

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
 Data File : BF085636.D
 Acq On : 21 Mar 2016 21:50
 Operator : UM/SJ
 Sample : H1841-10MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD

Manual Integrations
 APPROVED

Sohil
 3/22/2016 5:33:55 PM

Quant Time: Mar 22 02:21:41 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	121813	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	470165	20.00	ng	-0.01
38) Acenaphthene-d10	9.89	164	202602	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	309708	20.00	ng	-0.02
75) Chrysene-d12	14.00	240	243147	20.00	ng	-0.01
86) Perylene-d12	15.42	264	237547	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	814910	112.37	ng	-0.01
7) Phenol-d6	6.48	99	1103979	118.69	ng	-0.01
23) Nitrobenzene-d5	7.41	82	708823	87.51	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	249293	125.61	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1107545	96.52	ng	-0.01
78) Terphenyl-d14	12.95	244	779007	77.10	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.45	88	83559	23.70	ng	98
3) Pyridine	3.18	79	254565	29.41	ng	98
4) n-Nitrosodimethylamine	3.12	42	141594	39.18	ng	97
6) Aniline	6.50	93	452146	36.19	ng	# 87
8) 2-Chlorophenol	6.63	128	359088	42.80	ng	99
9) Benzaldehyde	6.39	77	54390	9.47	ng	95
10) Phenol	6.49	94	384123	36.26	ng	84
11) bis(2-Chloroethyl)ether	6.58	93	339766	42.54	ng	99
12) 1,3-Dichlorobenzene	6.78	146	325406m	35.59	ng	
13) 1,4-Dichlorobenzene	6.86	146	335932	36.02	ng	99
14) 1,2-Dichlorobenzene	7.02	146	324989	39.25	ng	97
15) Benzyl Alcohol	6.98	79	287719	45.16	ng	100
16) 2,2'-oxybis(1-Chloropropan	7.12	45	425337	40.50	ng	98
17) 2-Methylphenol	7.11	107	309699	44.53	ng	99
18) Hexachloroethane	7.35	117	118704	35.25	ng	# 77
19) n-Nitroso-di-n-propylamine	7.27	70	240041	43.20	ng	95
20) 3+4-Methylphenols	7.26	107	325473	40.41	ng	96
22) Acetophenone	7.26	105	437182	39.18	ng	# 98
24) Nitrobenzene	7.43	77	360043	40.61	ng	98
25) Isophorone	7.67	82	682784	42.10	ng	99
26) 2-Nitrophenol	7.75	139	201882	46.07	ng	95
27) 2,4-Dimethylphenol	7.78	122	324059	41.82	ng	99
28) bis(2-Chloroethoxy)methane	7.89	93	439705	47.67	ng	99
29) 2,4-Dichlorophenol	7.99	162	288860	45.14	ng	100
30) 1,2,4-Trichlorobenzene	8.07	180	286299	39.94	ng	98
31) Naphthalene	8.15	128	923485	38.91	ng	100
32) Benzoic acid	7.90	122	117379	18.12	ng	87
33) 4-Chloroaniline	8.21	127	358570	36.86	ng	97
34) Hexachlorobutadiene	8.28	225	150149	39.31	ng	99
35) Caprolactam	8.57	113	98806	44.88	ng	93
36) 4-Chloro-3-methylphenol	8.69	107	305902	40.93	ng	97
37) 2-Methylnaphthalene	8.85	142	679734	46.99	ng	100
39) 1,2,4,5-Tetrachlorobenzene	9.01	216	250369	40.74	ng	99
40) Hexachlorocyclopentadiene	9.00	237	110582	39.92	ng	99

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
 Data File : BF085636.D
 Acq On : 21 Mar 2016 21:50
 Operator : UM/SJ
 Sample : H1841-10MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD

Manual Integrations
 APPROVED

Sohil
 3/22/2016 5:33:55 PM

Quant Time: Mar 22 02:21:41 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.12	196	191342	45.48	ng	99
43) 2,4,5-Trichlorophenol	9.17	196	199718	46.65	ng #	92
45) 1,1'-Biphenyl	9.30	154	687672	39.35	ng	98
46) 2-Chloronaphthalene	9.33	162	546455	42.80	ng #	91
47) 2-Nitroaniline	9.43	65	195073	50.51	ng	96
48) Acenaphthylene	9.75	152	916678	44.37	ng	99
49) Dimethylphthalate	9.61	163	946925	61.94	ng	100
50) 2,6-Dinitrotoluene	9.67	165	139921	43.35	ng	95
51) Acenaphthene	9.92	154	590623	45.55	ng	99
52) 3-Nitroaniline	9.84	138	162886	40.29	ng	91
53) 2,4-Dinitrophenol	9.94	184	65769	33.26	ng	100
54) Dibenzofuran	10.09	168	789040	49.97	ng	97
55) 4-Nitrophenol	10.00	139	222675	71.27	ng	89
56) 2,4-Dinitrotoluene	10.08	165	188741	44.66	ng	96
57) Fluorene	10.44	166	569029	43.24	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.21	232	142600	46.26	ng	99
59) Diethylphthalate	10.31	149	720969	47.43	ng	99
60) 4-Chlorophenyl-phenylether	10.42	204	287915	44.81	ng	93
61) 4-Nitroaniline	10.45	138	144331	36.22	ng	87
62) Azobenzene	10.58	77	693662	47.56	ng	96
64) 4,6-Dinitro-2-methylphenol	10.48	198	58639	29.59	ng	91
65) n-Nitrosodiphenylamine	10.54	169	501704	52.00	ng	99
66) 4-Bromophenyl-phenylether	10.92	248	170464	55.10	ng #	89
67) Hexachlorobenzene	10.98	284	166466	50.64	ng #	89
68) Atrazine	11.08	200	168492	57.36	ng	96
69) Pentachlorophenol	11.18	266	169989	85.18	ng	98
70) Phenanthrene	11.38	178	763684	46.77	ng	99
71) Anthracene	11.44	178	767697	44.84	ng	99
72) Carbazole	11.60	167	716026	48.47	ng	97
73) Di-n-butylphthalate	11.93	149	930637	50.31	ng	98
74) Fluoranthene	12.57	202	657941	38.48	ng	97
76) Benzidine	12.70	184	460273	56.29	ng	98
77) Pyrene	12.80	202	680064	38.95	ng	99
79) Butylbenzylphthalate	13.42	149	315363	37.90	ng #	76
80) Benzo(a)anthracene	13.99	228	618757	43.84	ng	99
81) 3,3'-Dichlorobenzidine	13.96	252	184964	35.76	ng #	97
82) Chrysene	14.03	228	499959	36.82	ng	99
83) Bis(2-ethylhexyl)phthalate	13.98	149	420384	40.66	ng #	99
84) Di-n-octyl phthalate	14.60	149	772925	45.88	ng	98
85) Indeno(1,2,3-cd)pyrene	16.83	276	630419	55.56	ng	99
87) Benzo(b)fluoranthene	15.02	252	637959m	41.16	ng	
88) Benzo(k)fluoranthene	15.04	252	564407m	44.20	ng	
89) Benzo(a)pyrene	15.36	252	602037	45.82	ng	98
90) Dibenzo(a,h)anthracene	16.84	278	541999	49.45	ng	98
91) Benzo(g,h,i)perylene	17.24	276	497891	46.93	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

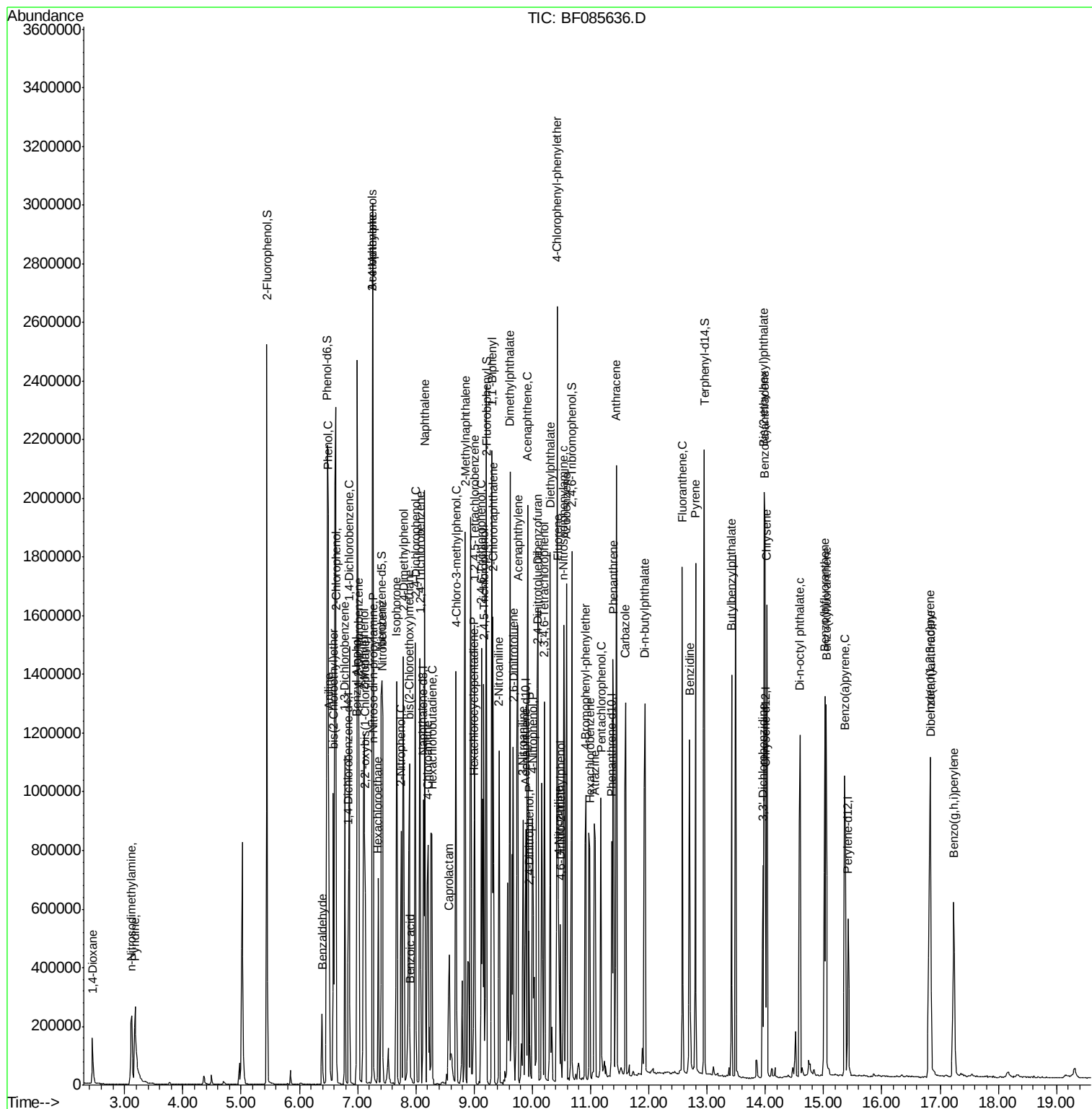
```
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\  
Data File : BF085636.D  
Acq On    : 21 Mar 2016   21:50  
Operator  : UM/SJ  
Sample    : H1841-10MSD  
Misc      :  
ALS Vial  : 21      Sample Multiplier: 1
```

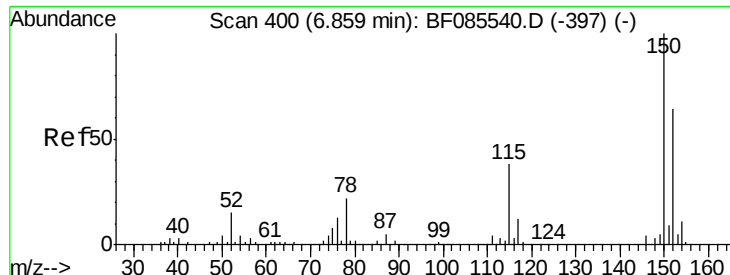
Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

Manual Integrations APPROVED

Sohil
3/22/2016 5:33:55 PM

Quant Time: Mar 22 02:21:41 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 23:31:39 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

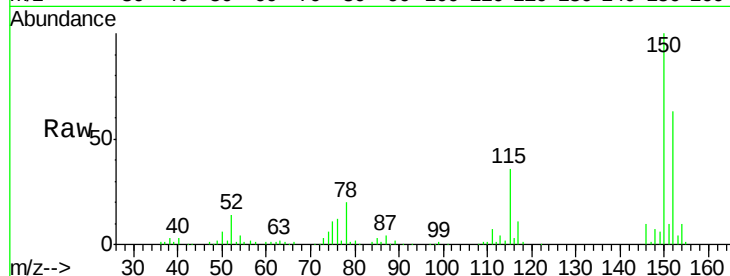
ClientSampleId :

BOTTOM(7)MSD

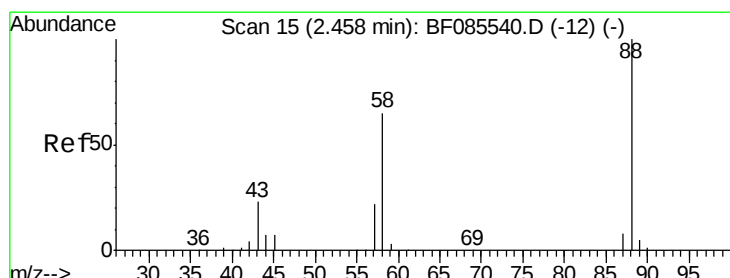
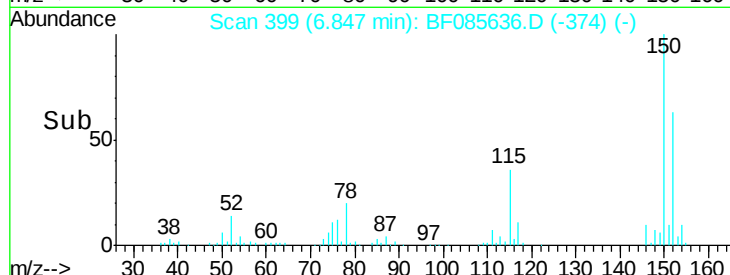
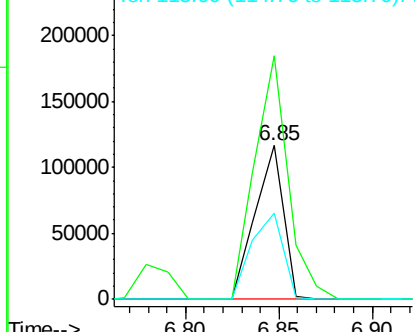
Tgt Ion:	152	Resp:	121813
Ion Ratio	Lower	Upper	
152	100		
150	158.6	124.2	186.2
115	56.5	47.0	70.6

Manual Integrations
APPROVED

Sohil
3/22/2016 5:33:55 PM



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 23.70 ng

RT: 2.45 min Scan# 14

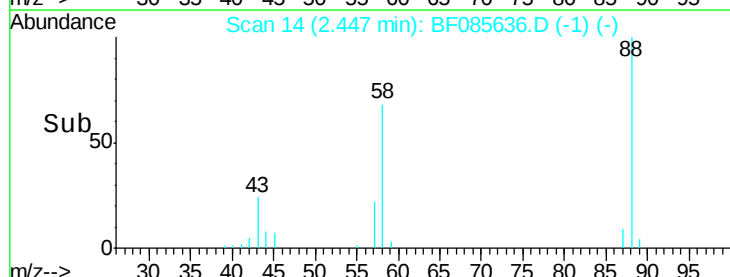
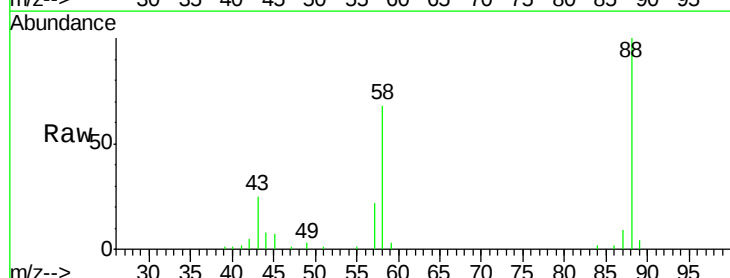
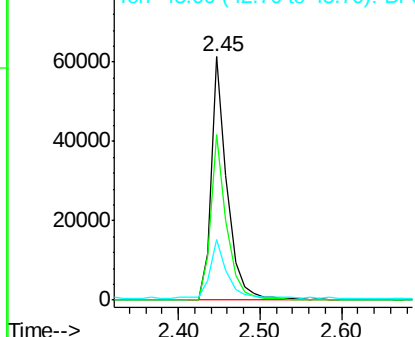
Delta R.T. -0.01 min

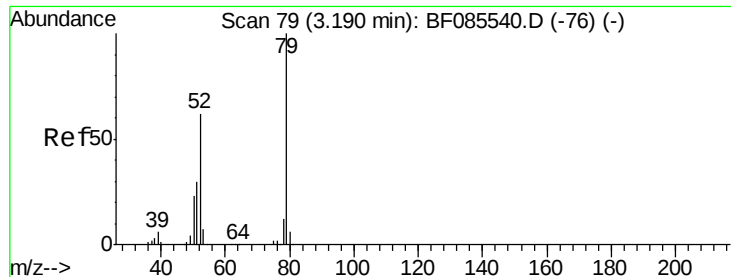
Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Tgt Ion:	88	Resp:	83559
Ion Ratio	Lower	Upper	
88	100		
58	68.3	54.2	81.2
43	26.6	19.3	28.9

Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 29.41 ng

RT: 3.18 min Scan# 78

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

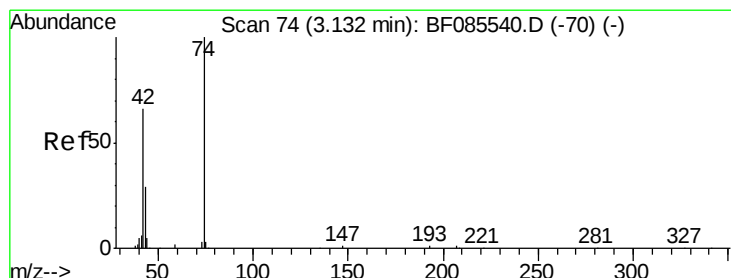
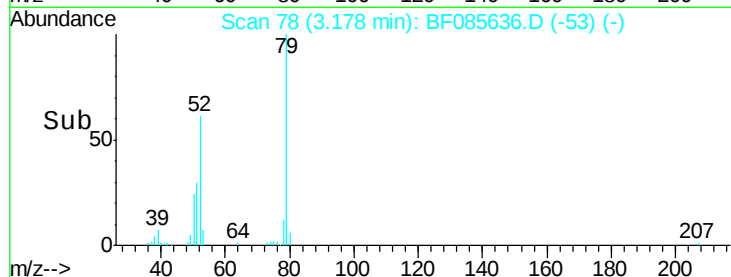
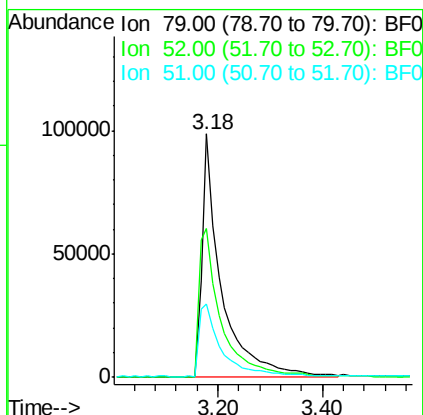
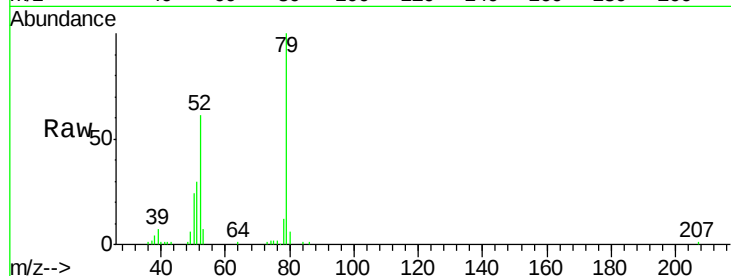
ClientSampleId :

BOTTOM(7)MSD

Tgt Ion:	79	Resp:	254565
Ion	Ratio	Lower	Upper
79	100		
52	61.0	49.8	74.6
51	30.1	24.7	37.1

Manual Integrations
APPROVED

Sohil
3/22/2016 5:33:55 PM



#4

n-Nitrosodimethylamine

Concen: 39.18 ng

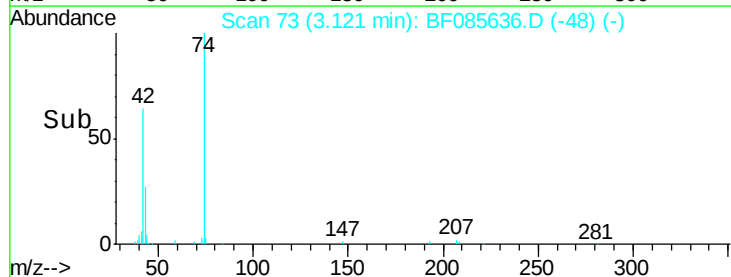
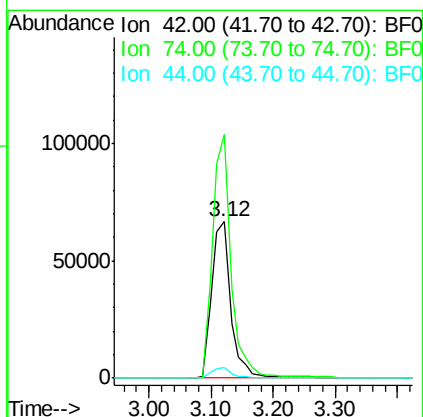
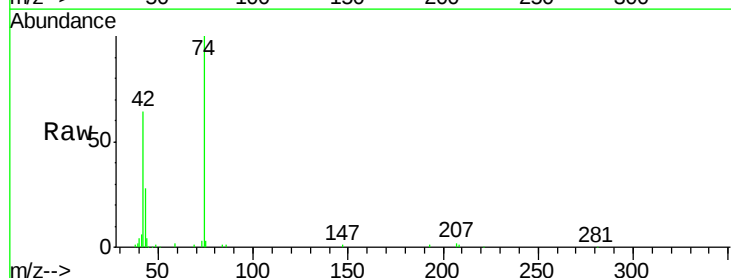
RT: 3.12 min Scan# 73

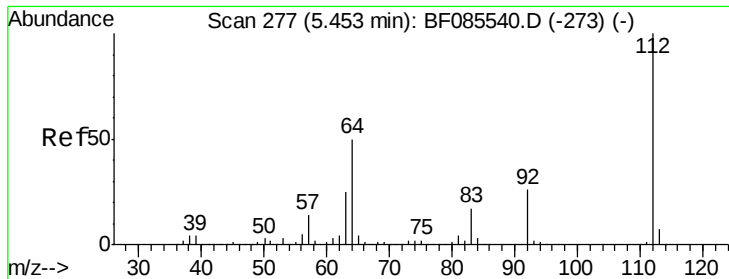
Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Tgt Ion:	42	Resp:	141594
Ion	Ratio	Lower	Upper
42	100		
74	155.9	121.4	182.2
44	6.5	5.6	8.4





#5

2-Fluorophenol

Concen: 112.37 ng

RT: 5.44 min Scan# 276

Delta R.T. -0.01 min

Lab File: BF085636.D

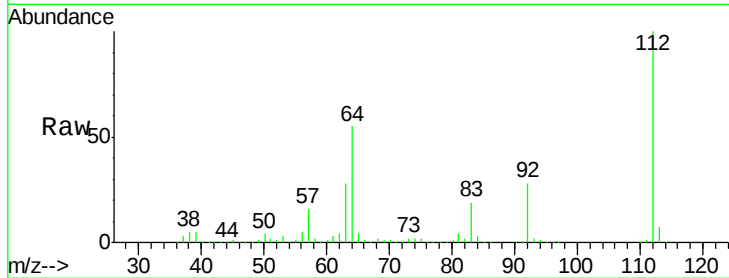
Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

ClientSampleId :

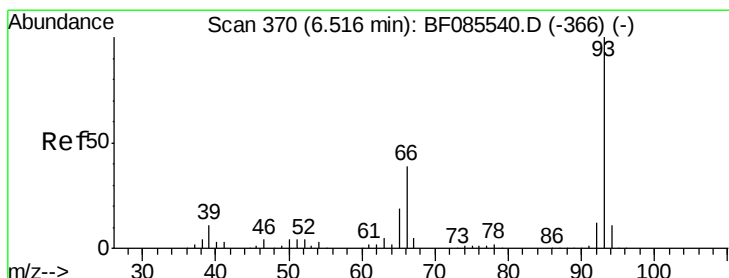
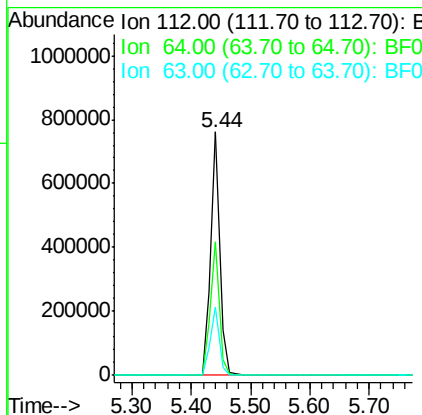
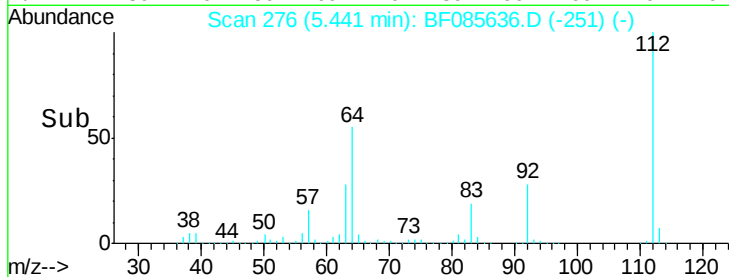
BOTTOM(7)MSD



Tgt Ion	Ratio	Resp	Lower	Upper
112	100	814910		
64	55.0	39.9	59.9	
63	28.1	20.2	30.2	

Manual Integrations
APPROVED

Sohil
3/22/2016 5:33:55 PM



#6

Aniline

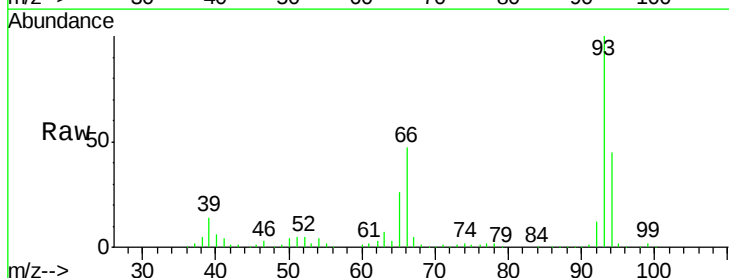
Concen: 36.19 ng

RT: 6.50 min Scan# 369

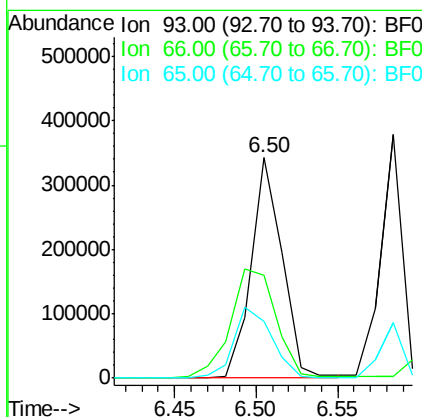
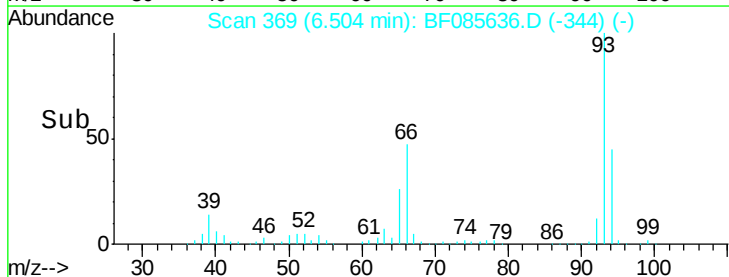
Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50



Tgt Ion	Ratio	Resp	Lower	Upper
93	100	452146		
66	47.0	31.4	47.2	
65	25.8	15.7	23.5	





#7

Phenol-d6

Concen: 118.69 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM(7)MSD

Tgt Ion: 99 Resp: 1103979

Ion Ratio Lower Upper

99 100

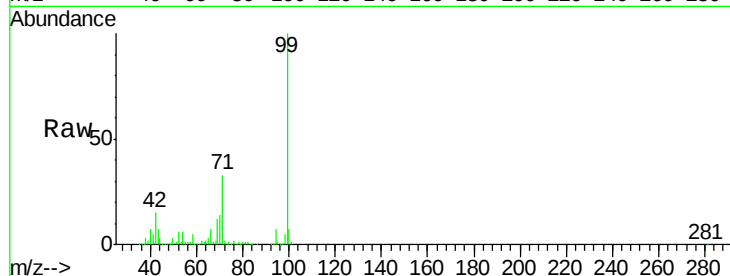
42 15.2 11.1 16.7

71 33.2 24.9 37.3

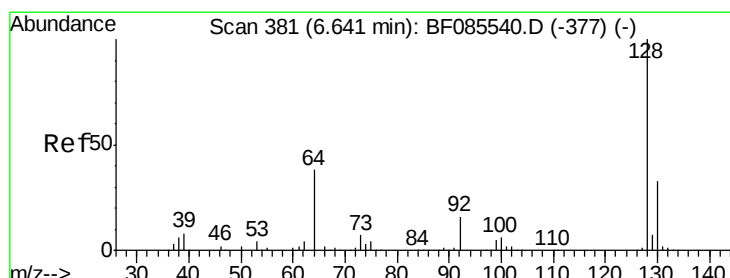
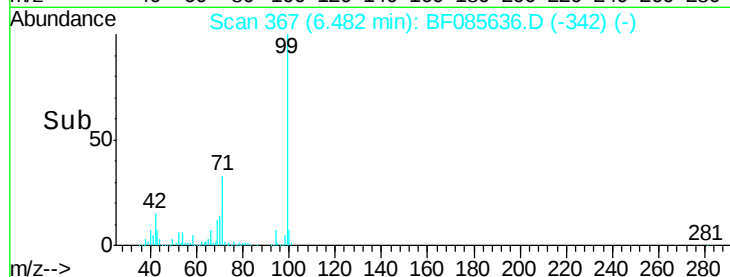
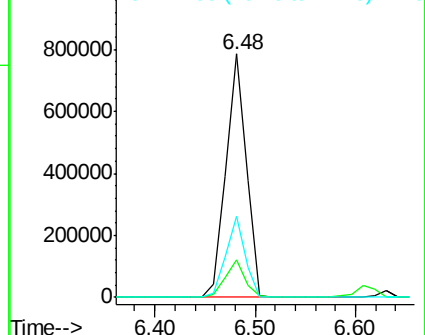
Manual Integrations
APPROVED

Sohil

3/22/2016 5:33:55 PM



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 42.80 ng

RT: 6.63 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

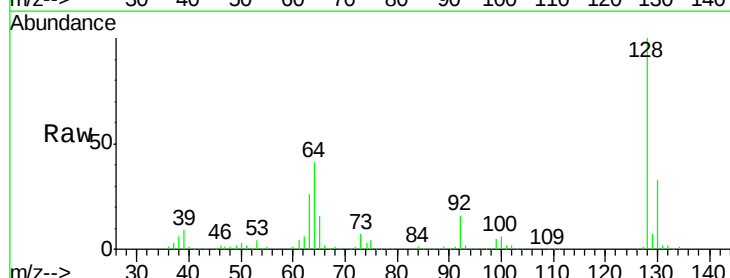
Tgt Ion: 128 Resp: 359088

Ion Ratio Lower Upper

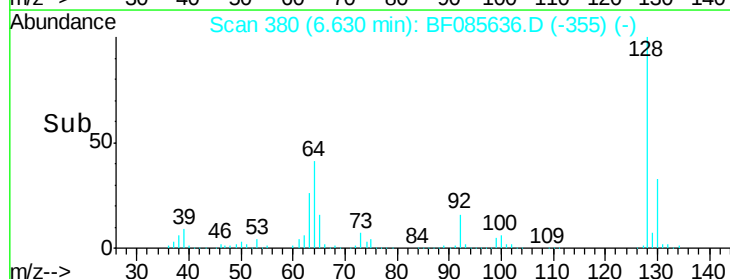
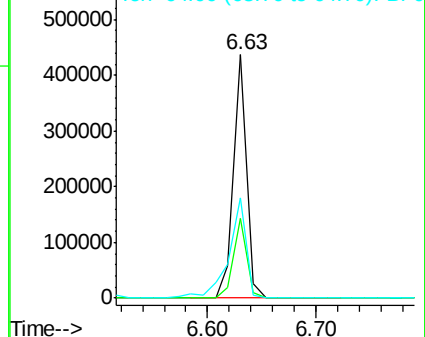
128 100

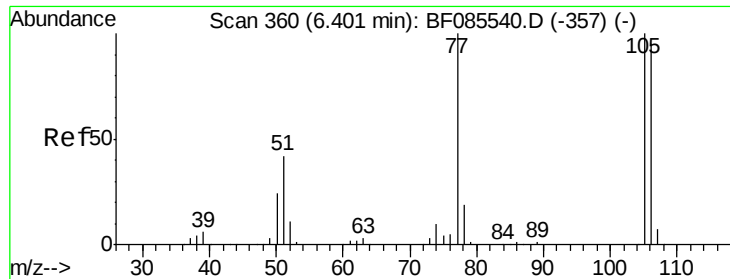
130 33.0 12.9 52.9

64 41.2 20.2 60.2



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 9.47 ng

RT: 6.39 min Scan# 359

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

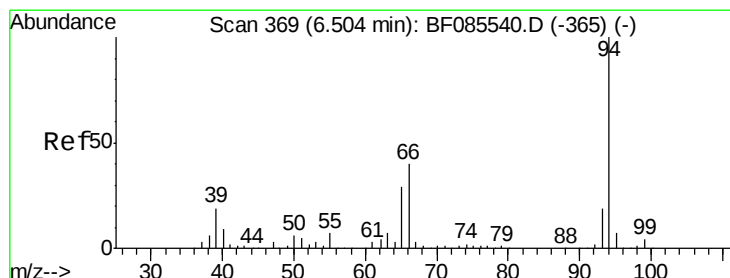
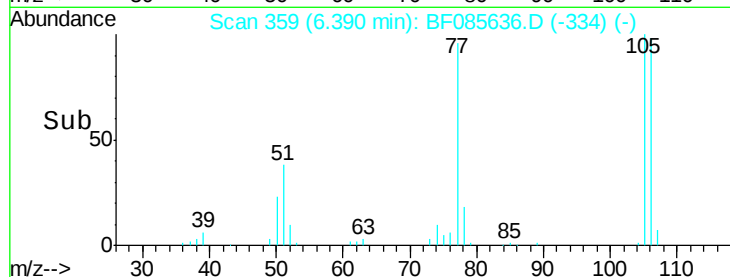
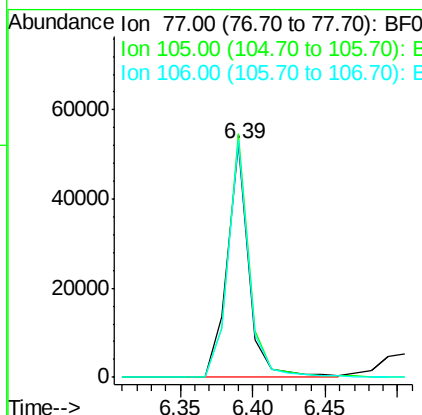
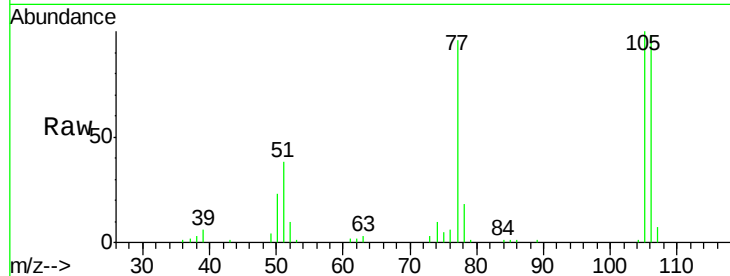
ClientSampleId :

BOTTOM(7)MSD

Tgt Ion:	77	Resp:	54390
Ion	Ratio	Lower	Upper
77	100		
105	104.1	80.1	120.1
106	101.6	75.0	115.0

Manual Integrations
APPROVED

Sohil
3/22/2016 5:33:55 PM



#10

Phenol

Concen: 36.26 ng

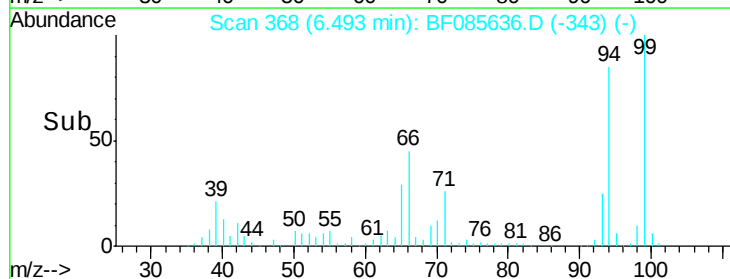
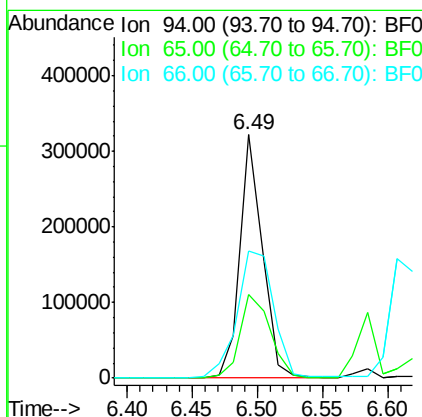
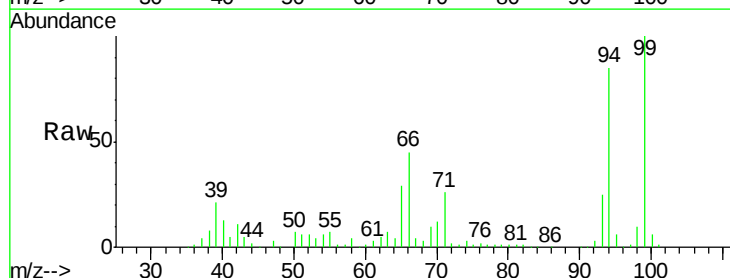
RT: 6.49 min Scan# 368

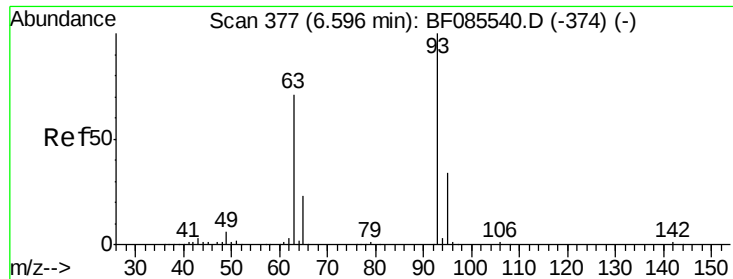
Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Tgt Ion:	94	Resp:	384123
Ion	Ratio	Lower	Upper
94	100		
65	34.3	8.6	48.6
66	52.4	20.0	60.0





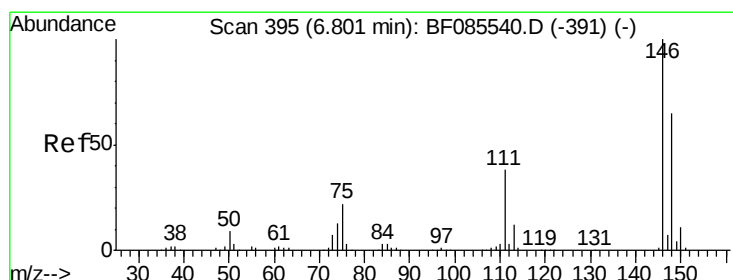
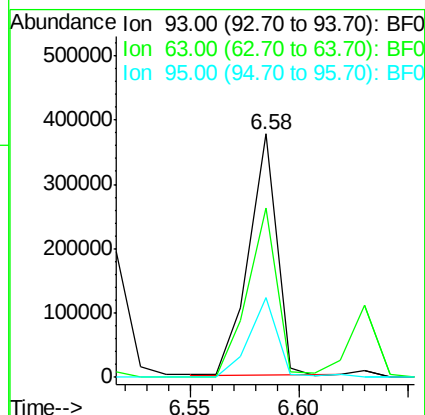
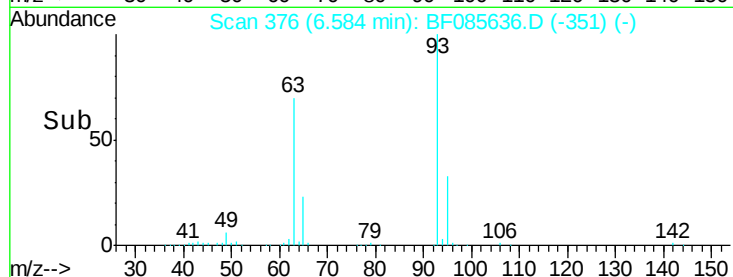
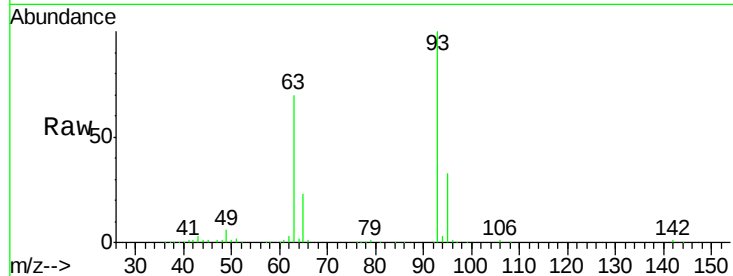
#11
bis(2-Chloroethyl)ether
Concen: 42.54 ng
RT: 6.58 min Scan# 376
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

Tgt Ion:	93	Resp:	339766
Ion Ratio	Lower	Upper	
93	100		
63	69.7	50.9	90.9
95	32.7	13.3	53.3

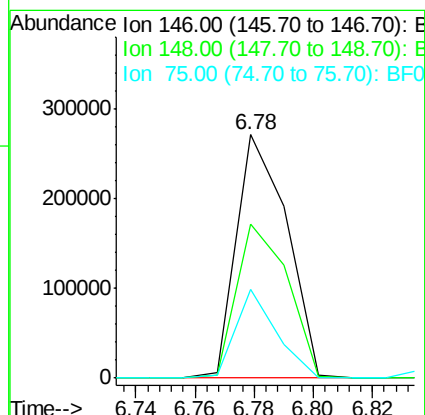
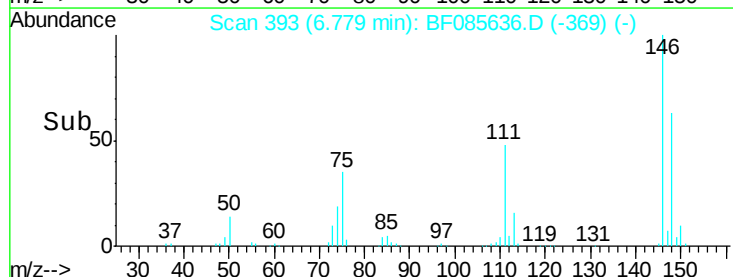
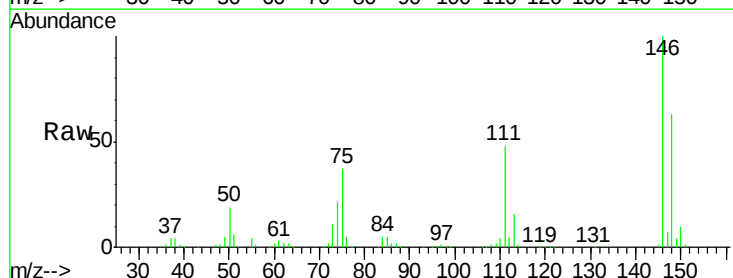
Manual Integrations
APPROVED

Sohil
3/22/2016 5:33:55 PM



#12
1,3-Dichlorobenzene
Concen: 35.59 ng m
RT: 6.78 min Scan# 393
Delta R.T. -0.02 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion:	146	Resp:	325406
Ion Ratio	Lower	Upper	
146	100		
148	63.4	52.3	78.5
75	36.7	17.4	26.2#





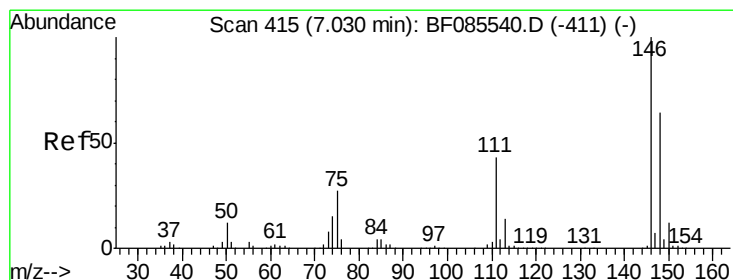
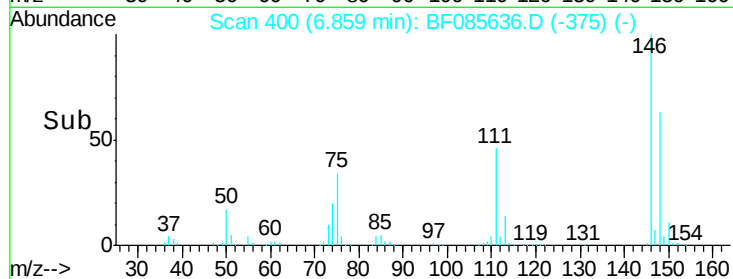
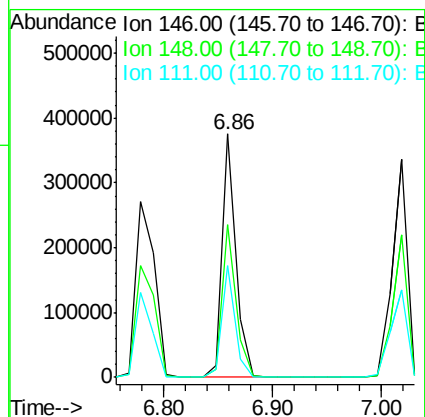
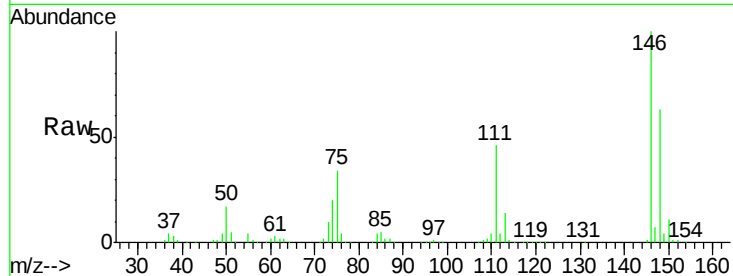
#13
1,4-Dichlorobenzene
Concen: 36.02 ng
RT: 6.86 min Scan# 400
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.6	76.0
111	46.0	37.8	56.6

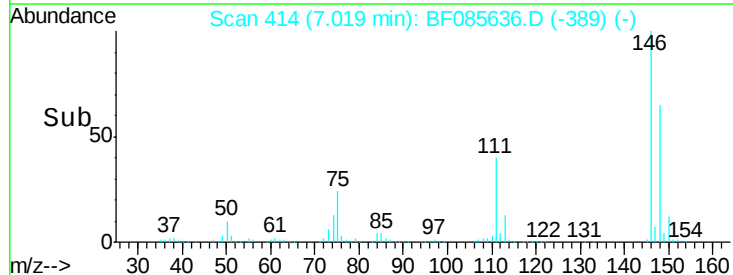
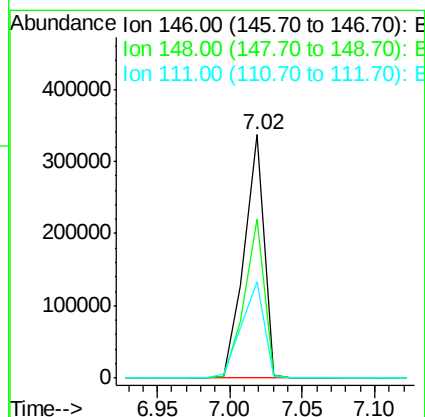
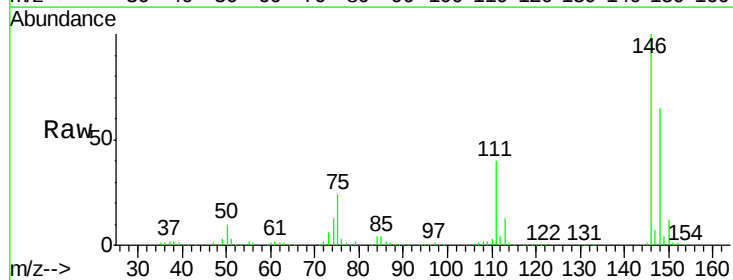
Manual Integrations
APPROVED

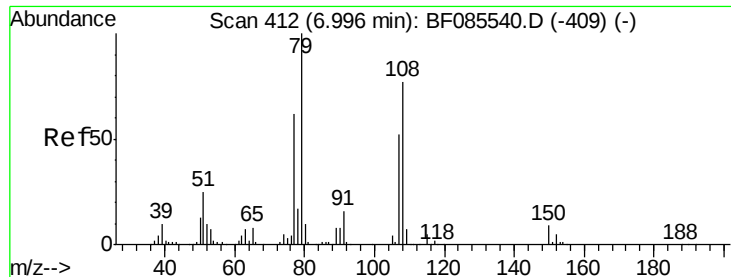
Sohil
3/22/2016 5:33:55 PM



#14
1,2-Dichlorobenzene
Concen: 39.25 ng
RT: 7.02 min Scan# 414
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.4	77.2
111	39.8	34.6	52.0





#15

Benzyl Alcohol

Concen: 45.16 ng

RT: 6.98 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

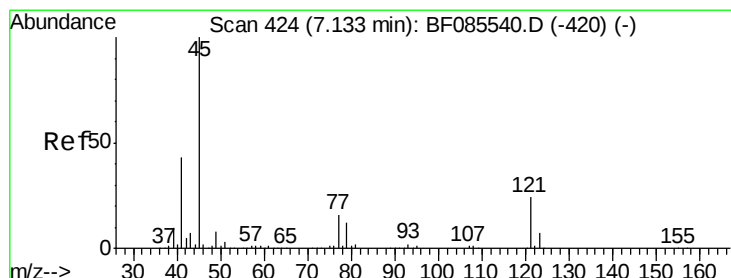
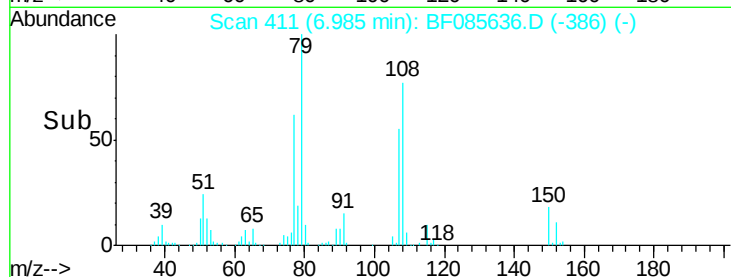
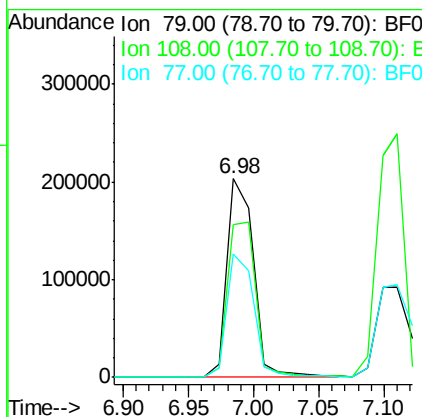
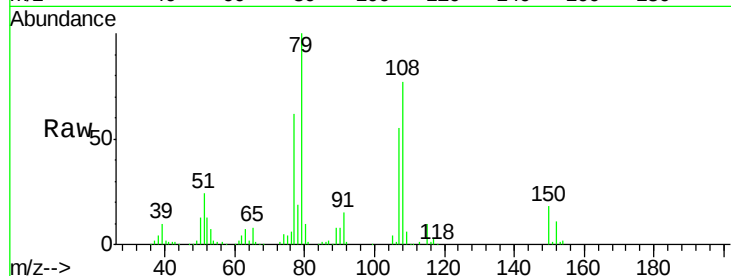
ClientSampleId :

BOTTOM(7)MSD

Tgt Ion:	79	Resp:	287719
Ion Ratio	Lower	Upper	
79	100		
108	76.9	61.8	92.6
77	62.0	49.6	74.4

Manual Integrations
APPROVED

Sohil
3/22/2016 5:33:55 PM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.50 ng

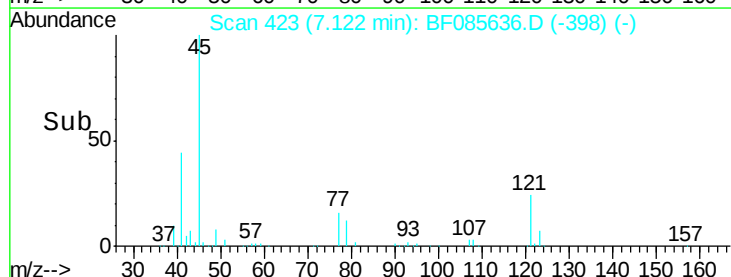
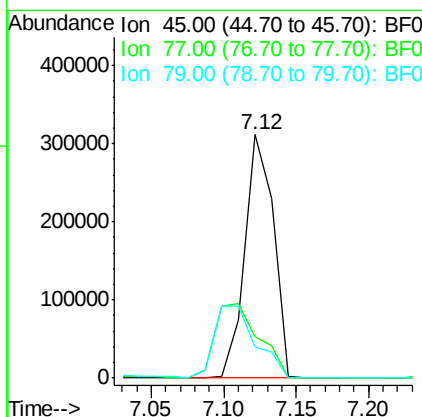
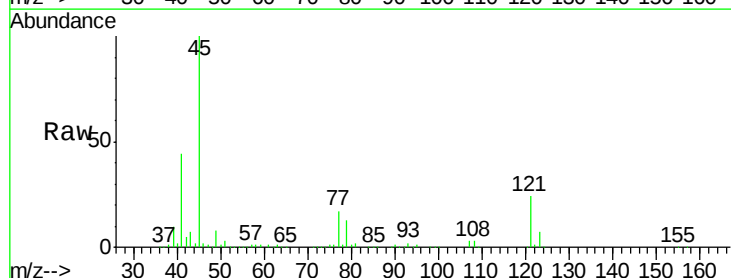
RT: 7.12 min Scan# 423

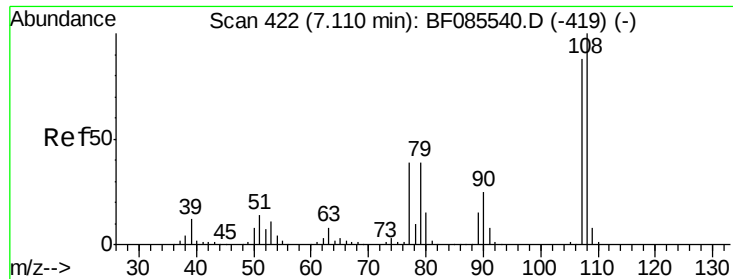
Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Tgt Ion:	45	Resp:	425337
Ion Ratio	Lower	Upper	
45	100		
77	16.8	0.0	35.7
79	12.8	0.0	32.2





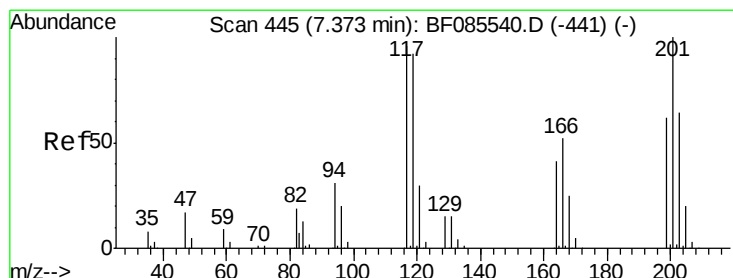
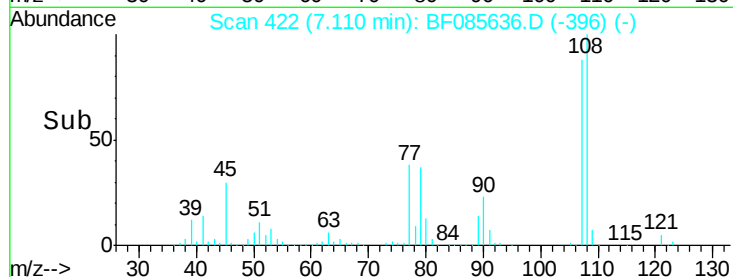
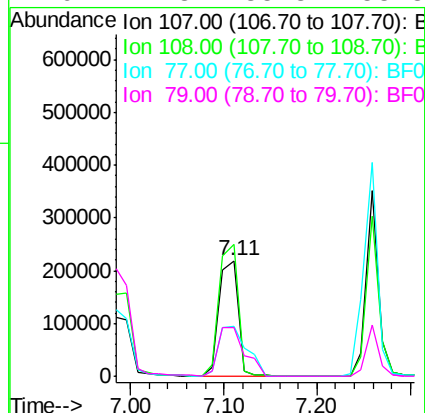
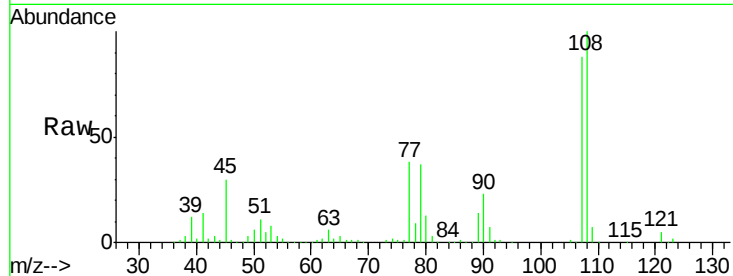
#17
2-Methylphenol
Concen: 44.53 ng
RT: 7.11 min Scan# 422
Delta R.T. 0.00 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
107	100		
108	114.1	91.4	137.0
77	43.6	36.2	54.2
79	42.3	35.8	53.8

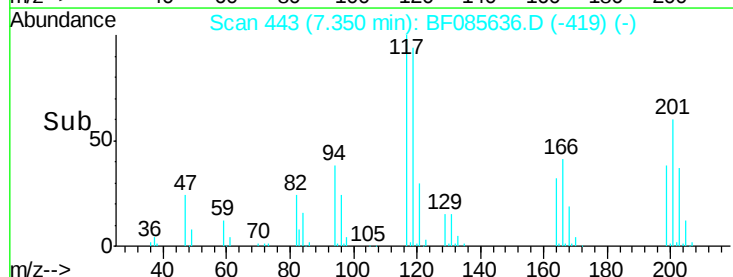
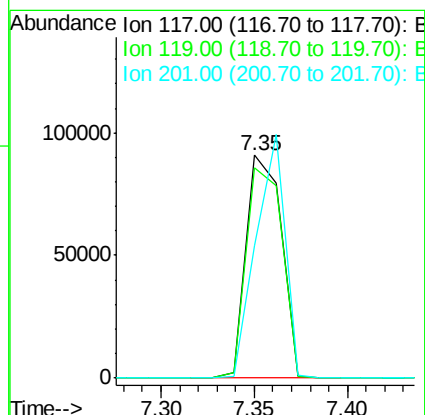
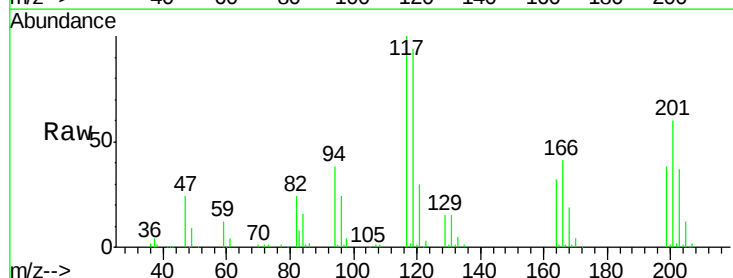
Manual Integrations
APPROVED

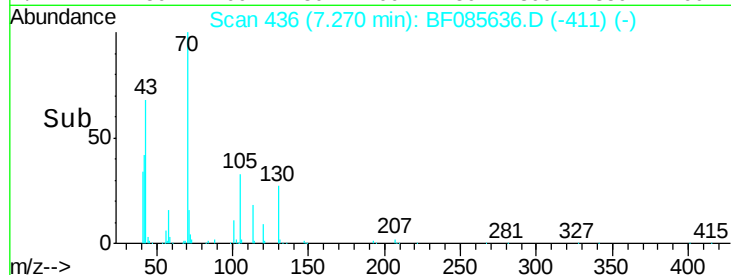
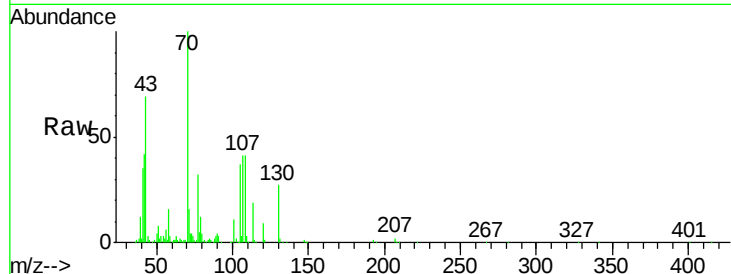
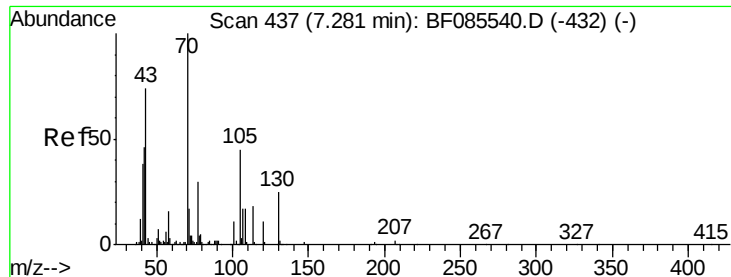
Sohil
3/22/2016 5:33:55 PM



#18
Hexachloroethane
Concen: 35.25 ng
RT: 7.35 min Scan# 443
Delta R.T. -0.02 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
119	94.5	76.7	115.1
201	59.6	83.3	124.9#





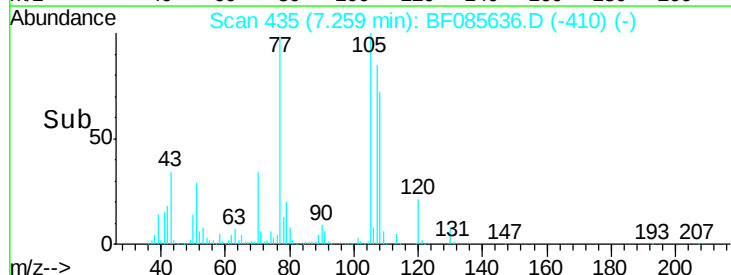
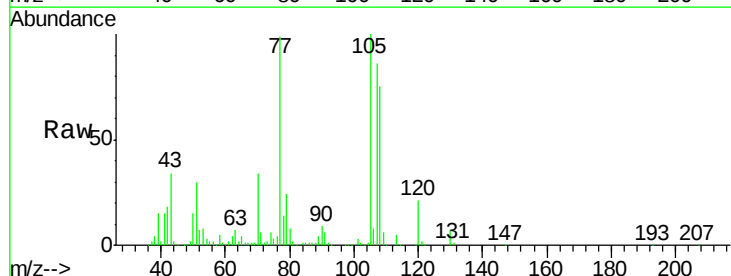
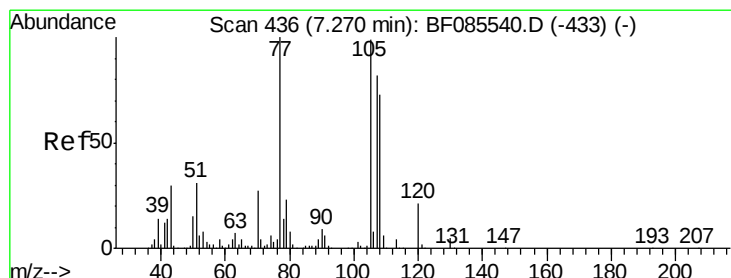
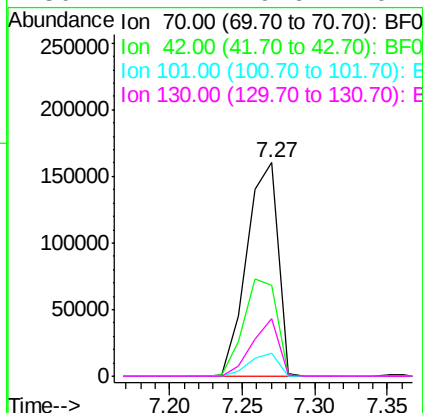
#19
n-Nitroso-di-n-propylamine
Concen: 43.20 ng
RT: 7.27 min Scan# 436
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

Manual Integrations
APPROVED

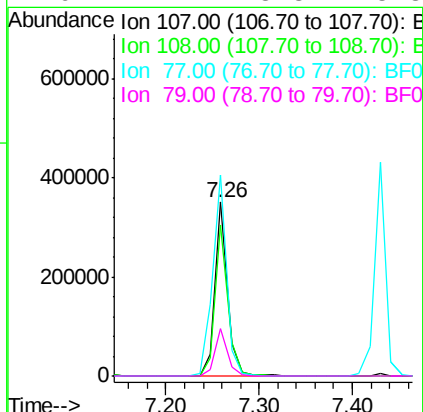
Sohil
3/22/2016 5:33:55 PM

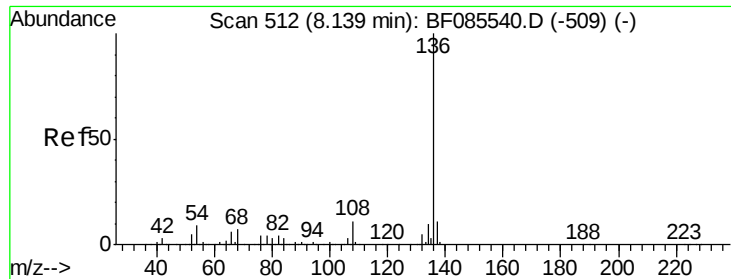
Tgt Ion	Ratio	Lower	Upper
70	100		
42	42.4	37.1	55.7
101	11.0	8.6	12.8
130	27.1	19.6	29.4



#20
3+4-Methylphenols
Concen: 40.41 ng
RT: 7.26 min Scan# 435
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.7	69.3	109.3
77	115.3	101.7	141.7
79	27.4	8.3	48.3





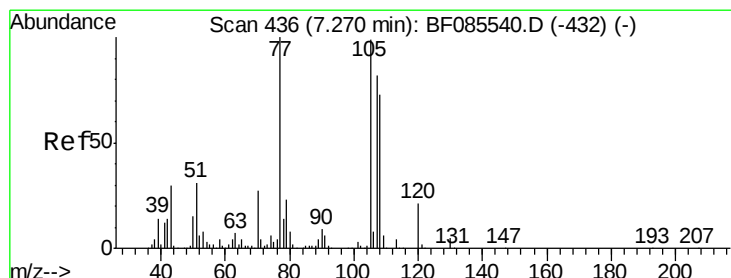
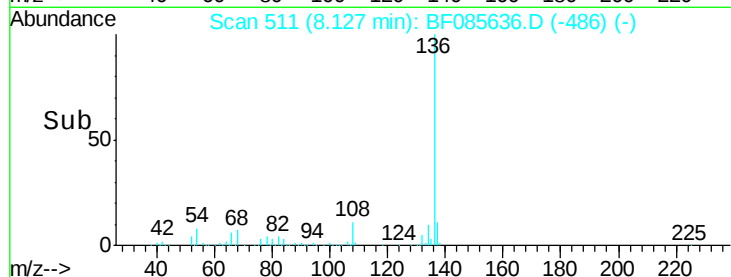
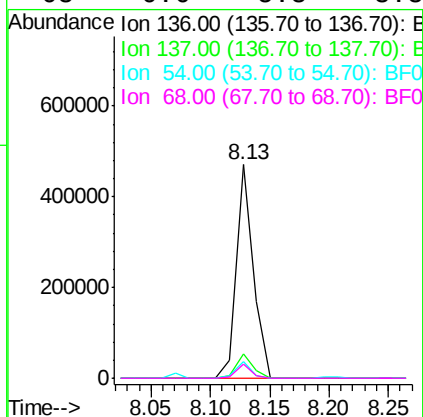
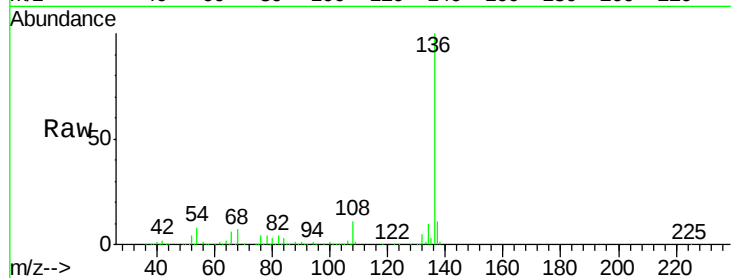
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 511
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	470165		
137	11.2	9.1	13.7	
54	8.0	7.4	11.0	
68	6.6	5.8	8.8	

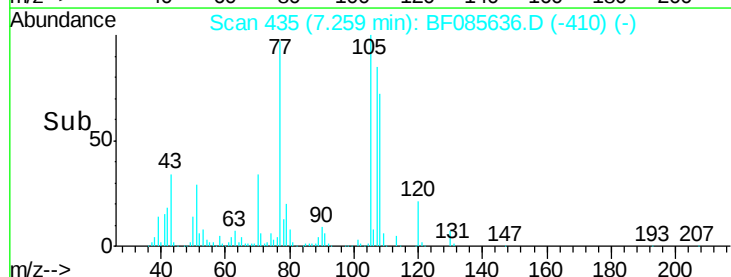
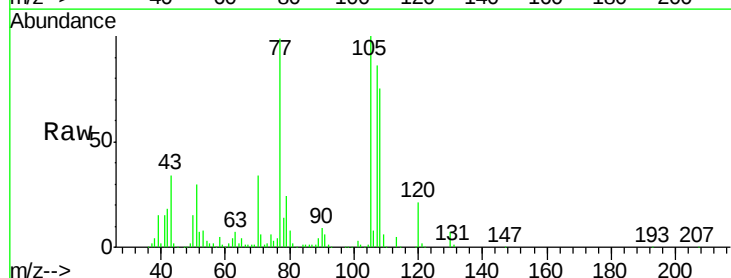
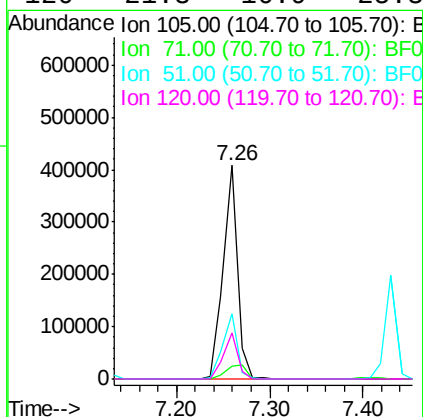
Manual Integrations
APPROVED

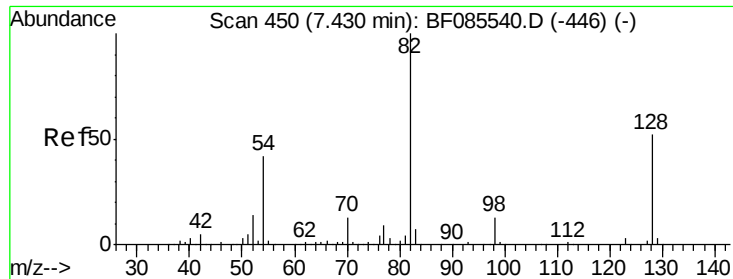
Sohil
3/22/2016 5:33:55 PM



#22
Acetophenone
Concen: 39.18 ng
RT: 7.26 min Scan# 435
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	437182		
71	5.8	3.6	5.4#	
51	30.5	25.4	38.0	
120	21.3	16.9	25.3	





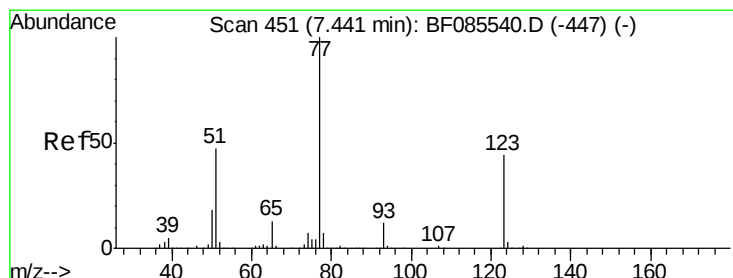
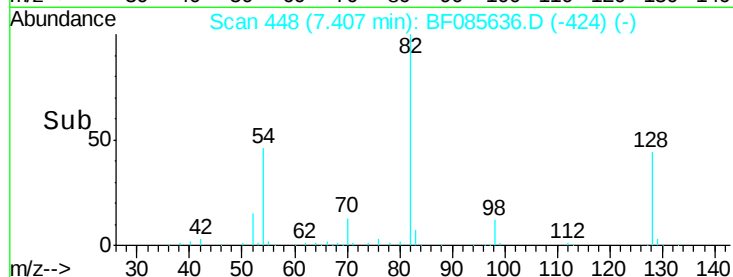
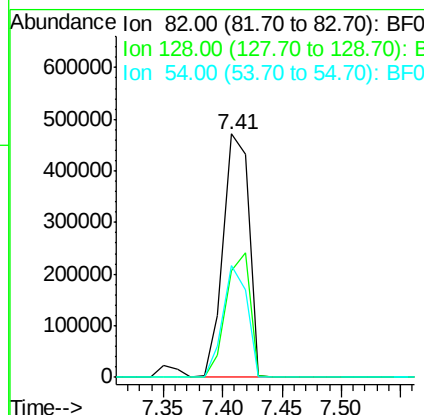
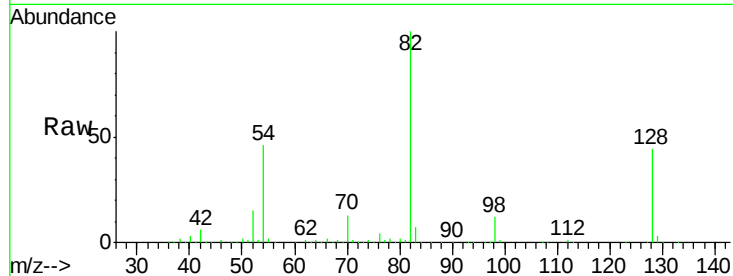
#23
 Nitrobenzene-d5
 Concen: 87.51 ng
 RT: 7.41 min Scan# 448
 Delta R.T. -0.02 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	708823		
128	43.9	41.8	62.8	
54	46.2	33.4	50.0	

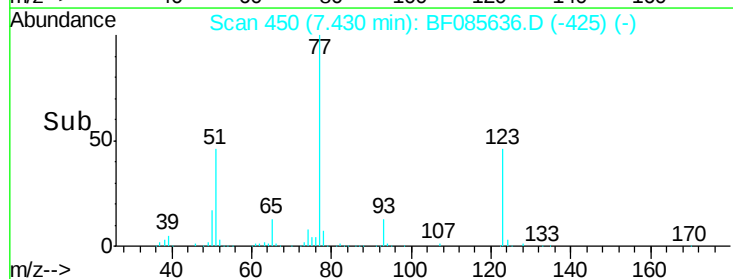
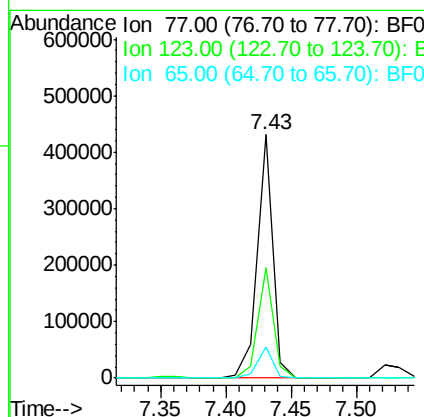
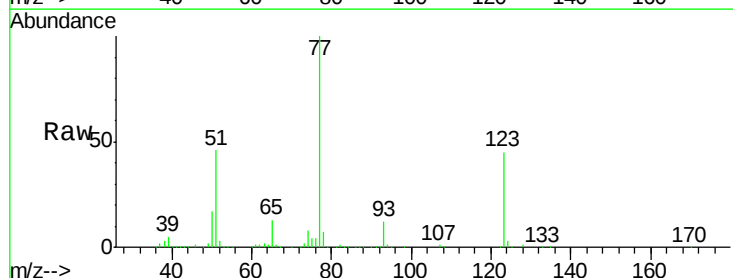
Manual Integrations
 APPROVED

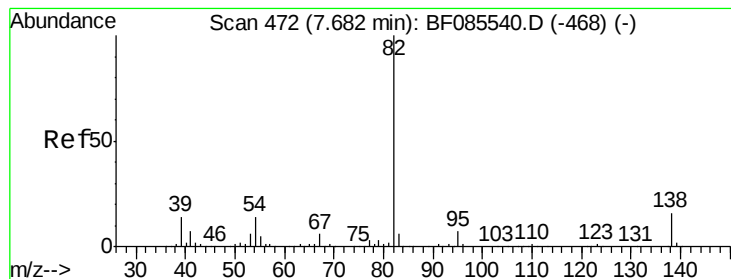
Sohil
 3/22/2016 5:33:55 PM



#24
 Nitrobenzene
 Concen: 40.61 ng
 RT: 7.43 min Scan# 450
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	360043		
123	45.5	35.0	52.4	
65	12.9	10.6	16.0	





#25

Isophorone

Concen: 42.10 ng

RT: 7.67 min Scan# 471

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

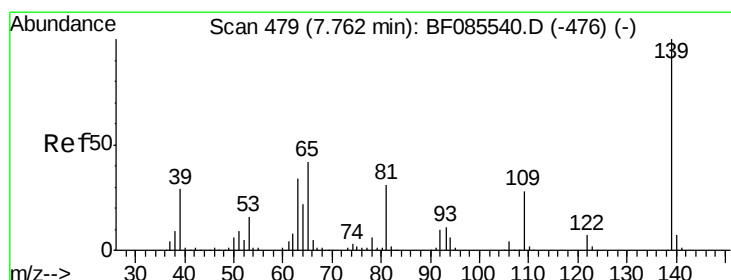
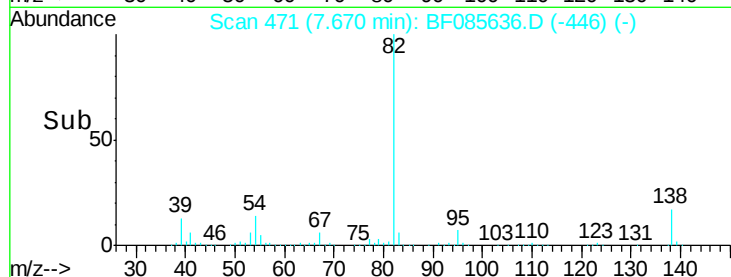
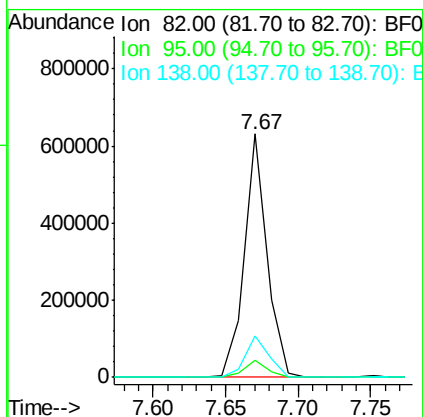
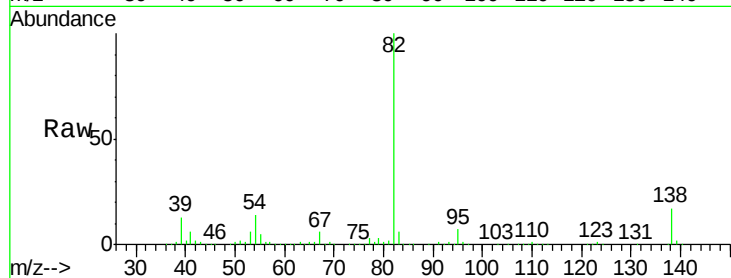
ClientSampleId :

BOTTOM(7)MSD

Tgt Ion:	82	Resp:	682784
Ion Ratio	Lower	Upper	
82	100		
95	7.1	5.4	8.2
138	16.8	12.9	19.3

Manual Integrations
APPROVED

Sohil
3/22/2016 5:33:55 PM



#26

2-Nitrophenol

Concen: 46.07 ng

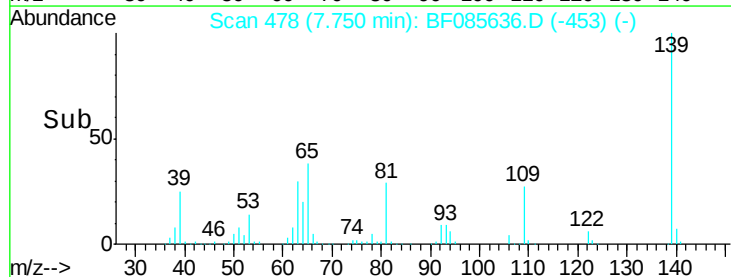
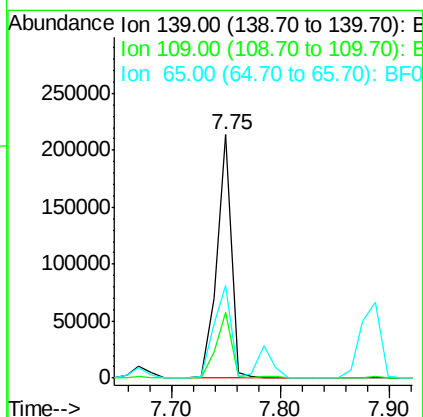
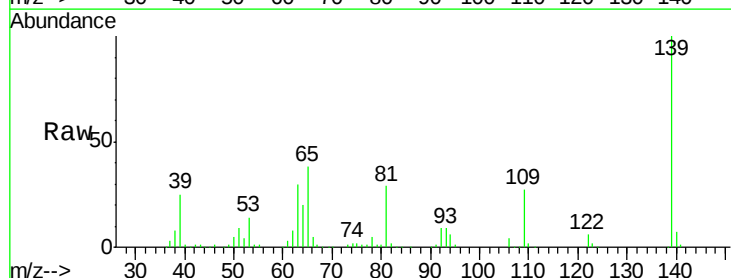
RT: 7.75 min Scan# 478

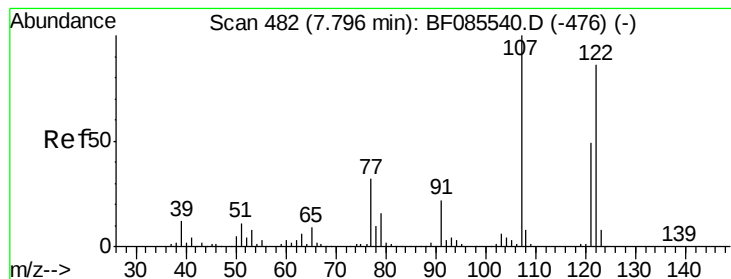
Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Tgt Ion:	139	Resp:	201882
Ion Ratio	Lower	Upper	
139	100		
109	26.7	22.1	33.1
65	38.0	33.9	50.9





#27

2,4-Dimethylphenol

Concen: 41.82 ng

RT: 7.78 min Scan# 481

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

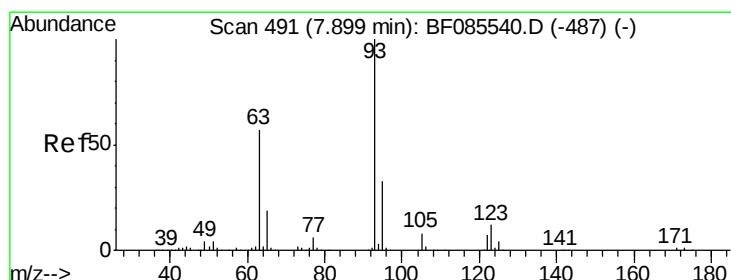
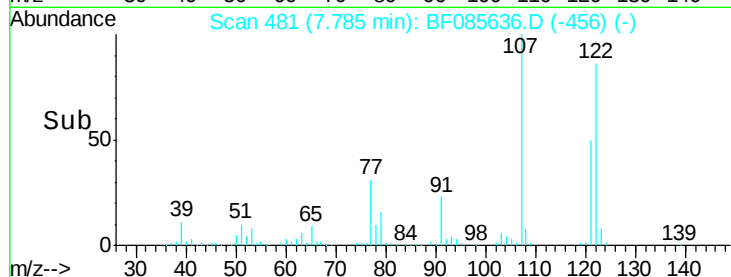
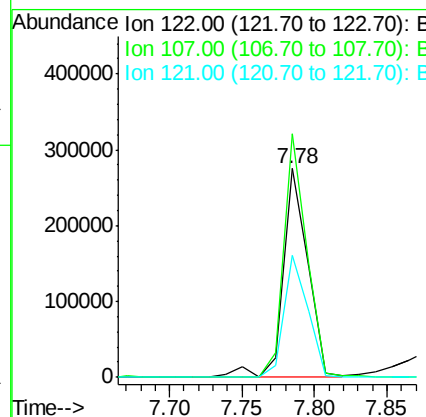
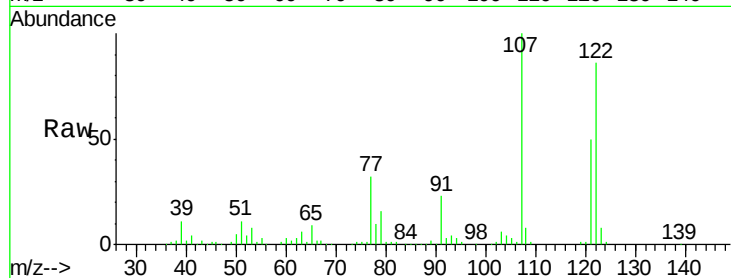
ClientSampleId :

BOTTOM(7)MSD

Tgt Ion:	122	Resp:	324059
Ion Ratio	Lower	Upper	
122	100		
107	116.8	93.0	139.6
121	58.3	45.9	68.9

Manual Integrations
APPROVED

Sohil
3/22/2016 5:33:55 PM



#28

bis(2-Chloroethoxy)methane

Concen: 47.67 ng

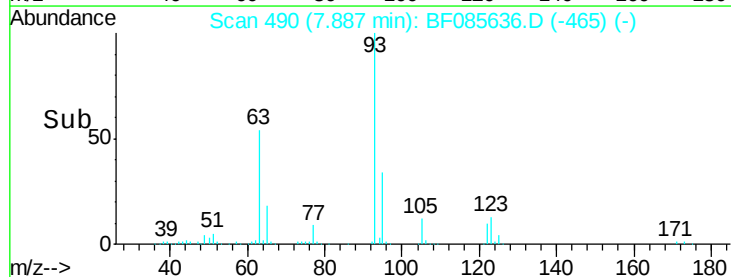
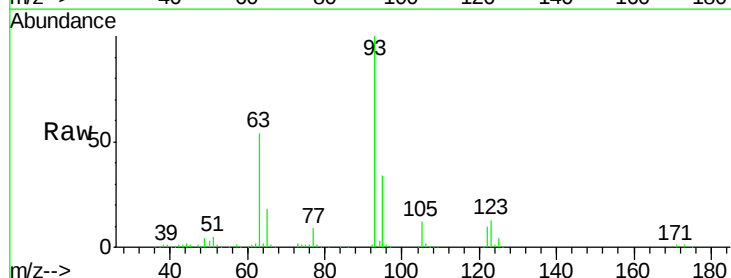
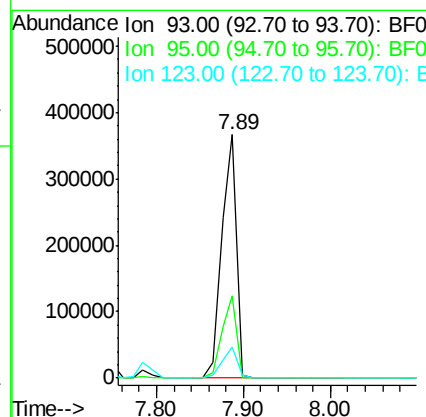
RT: 7.89 min Scan# 490

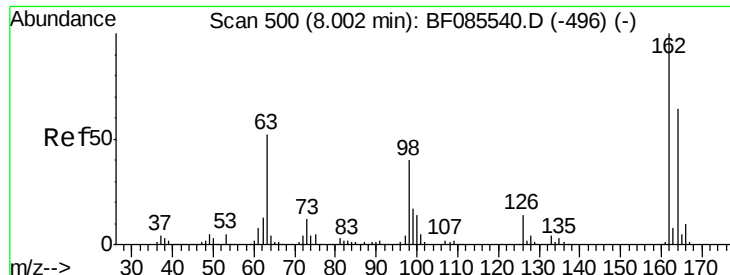
Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Tgt Ion:	93	Resp:	439705
Ion Ratio	Lower	Upper	
93	100		
95	33.6	26.4	39.6
123	12.8	9.8	14.6





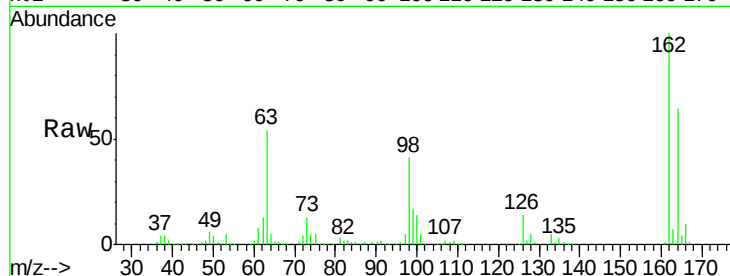
#29
2,4-Dichlorophenol
Concen: 45.14 ng
RT: 7.99 min Scan# 499
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

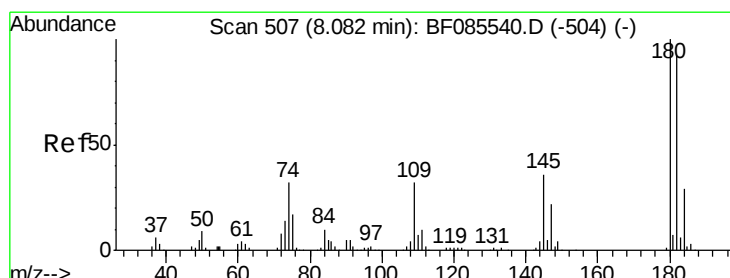
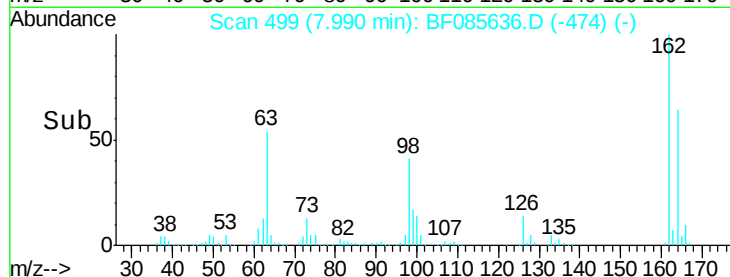
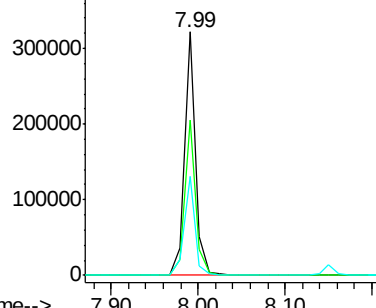
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	288860		
164	63.9	43.7	83.7	
98	40.8	20.4	60.4	

Manual Integrations
APPROVED

Sohil
3/22/2016 5:33:55 PM

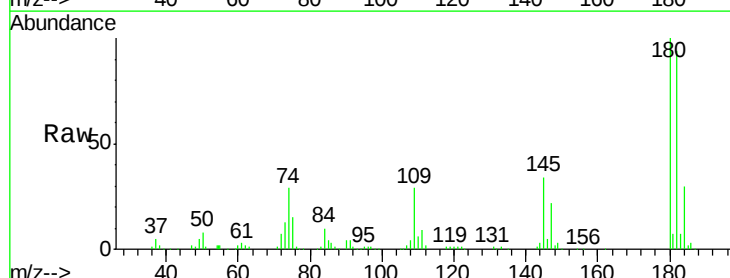


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF0

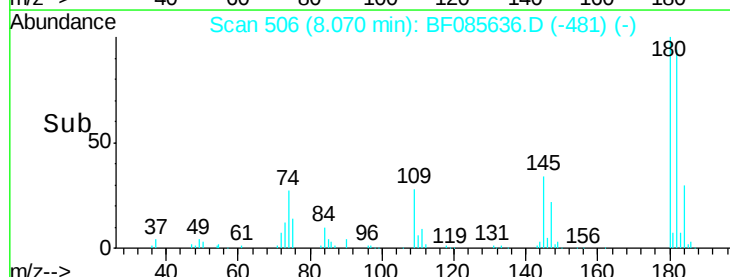
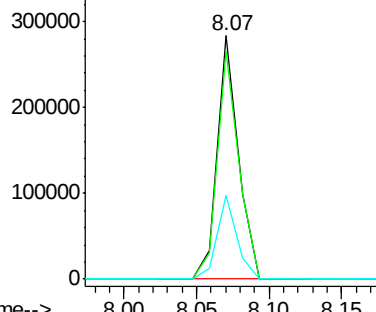


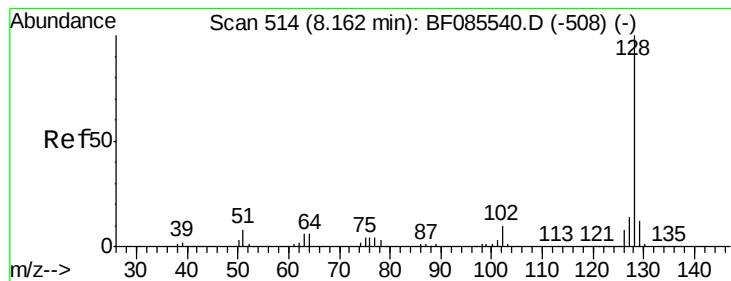
#30
1,2,4-Trichlorobenzene
Concen: 39.94 ng
RT: 8.07 min Scan# 506
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	286299		
182	93.8	73.8	110.8	
145	34.4	28.4	42.6	



Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 38.91 ng

RT: 8.15 min Scan# 513

Delta R.T. -0.01 min

Lab File: BF085636.D

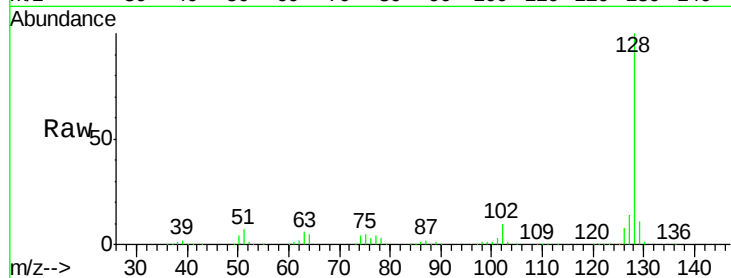
Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

ClientSampleId :

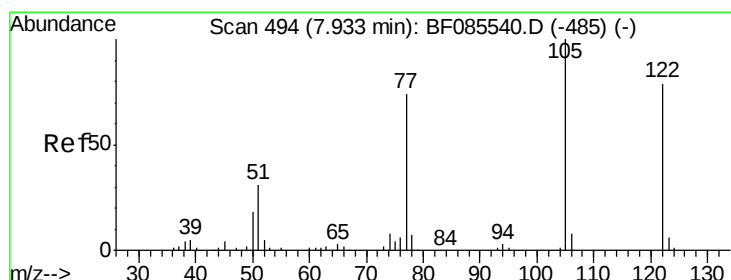
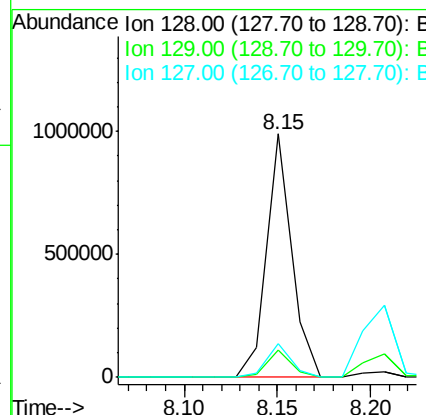
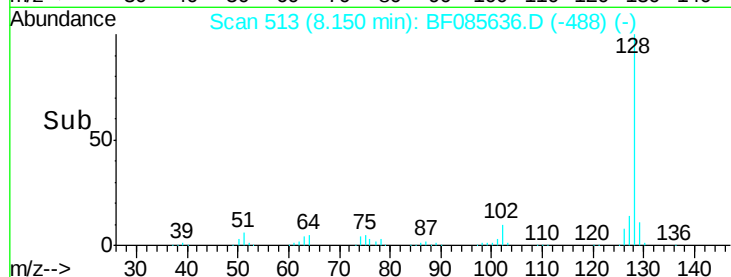
BOTTOM(7)MSD



Tgt Ion	Ratio	Resp	Lower	Upper
128	100	923485		
129	11.4		9.4	14.0
127	13.8		11.0	16.6

Manual Integrations
APPROVED

Sohil
3/22/2016 5:33:55 PM



#32

Benzoic acid

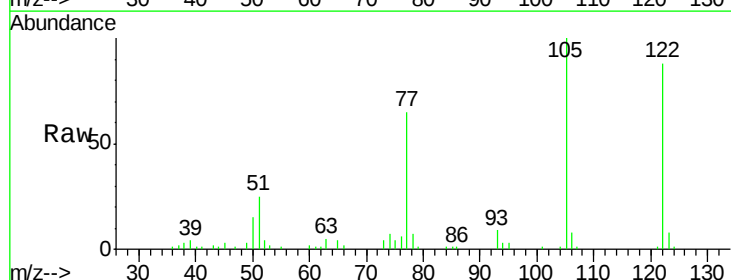
Concen: 18.12 ng

RT: 7.90 min Scan# 491

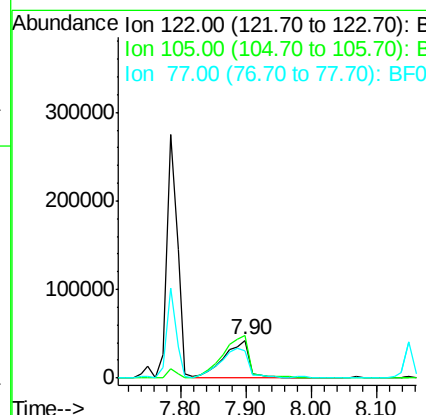
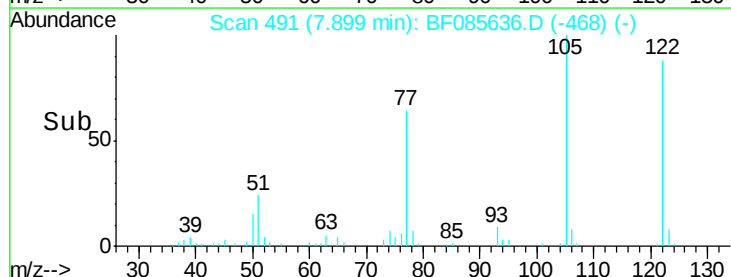
Delta R.T. -0.03 min

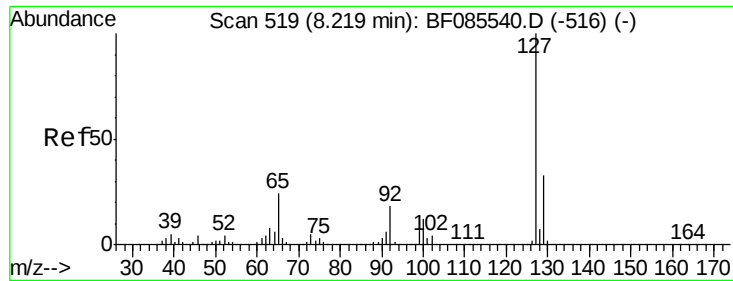
Lab File: BF085636.D

Acq: 21 Mar 2016 21:50



Tgt Ion	Ratio	Resp	Lower	Upper
122	100	117379		
105	113.2		102.9	142.9
77	73.4		71.8	111.8





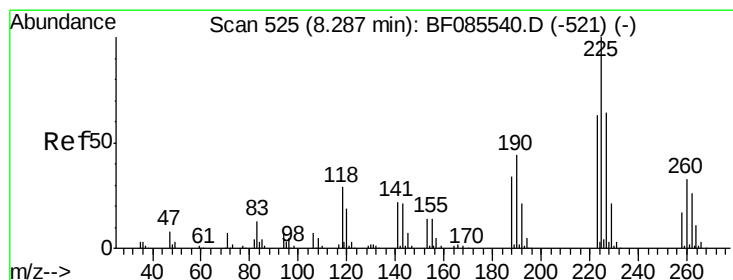
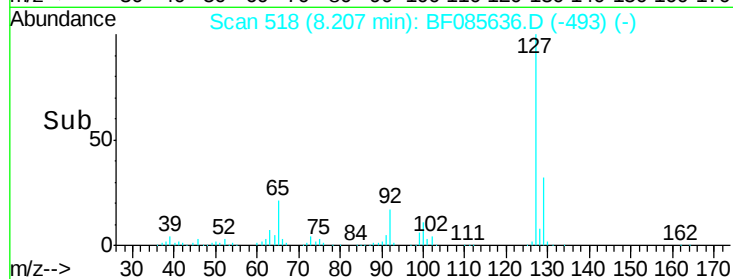
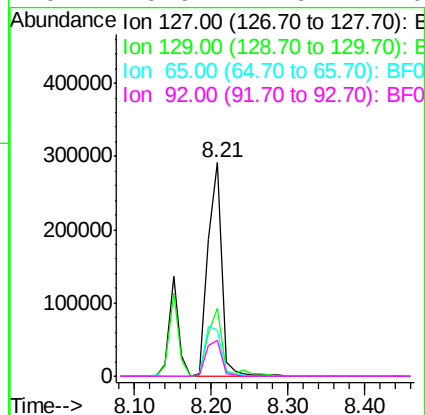
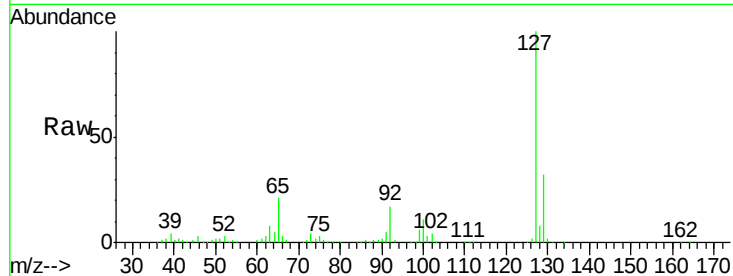
#33
4-Chloroaniline
Concen: 36.86 ng
RT: 8.21 min Scan# 518
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
127	100	358570		
129	31.8	26.1	39.1	
65	21.4	19.5	29.3	
92	16.6	14.6	22.0	

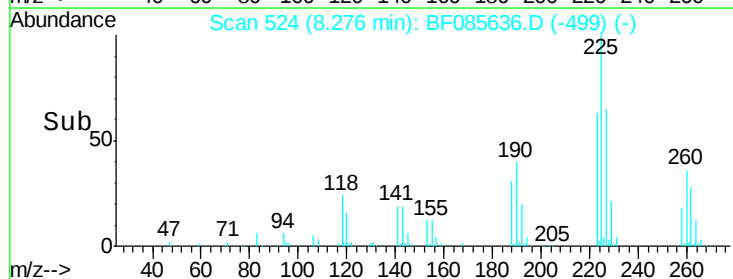
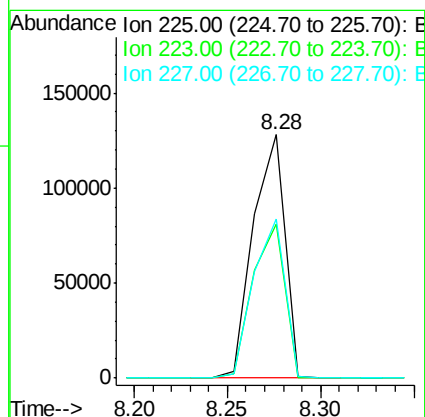
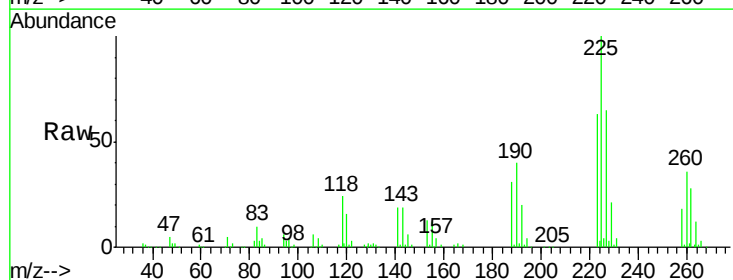
Manual Integrations
APPROVED

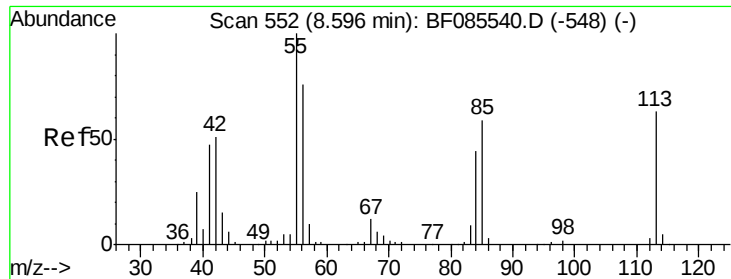
Sohil
3/22/2016 5:33:55 PM



#34
Hexachlorobutadiene
Concen: 39.31 ng
RT: 8.28 min Scan# 524
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	150149		
223	63.5	50.4	75.6	
227	65.3	51.4	77.2	





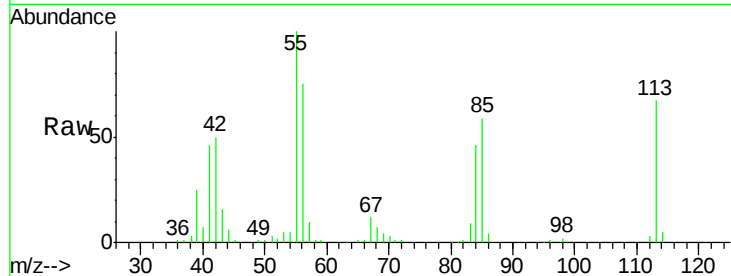
#35
 Caprolactam
 Concen: 44.88 ng
 RT: 8.57 min Scan# 550
 Delta R.T. -0.02 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	98806		
55	149.5	139.4	179.4	
56	112.8	100.4	140.4	

Manual Integrations
 APPROVED

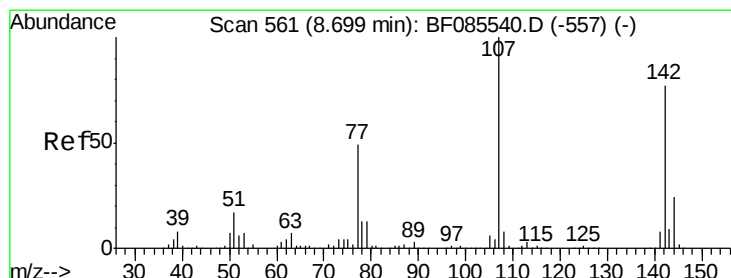
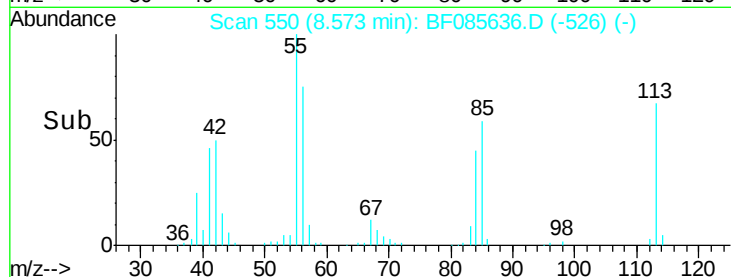
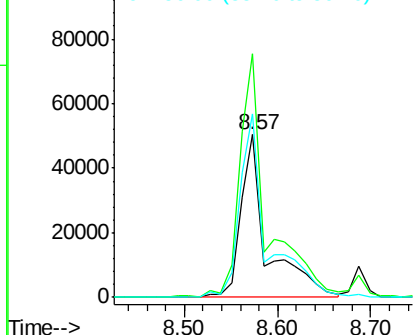
Sohil
 3/22/2016 5:33:55 PM



Abundance Ion 113.00 (112.70 to 113.70): E

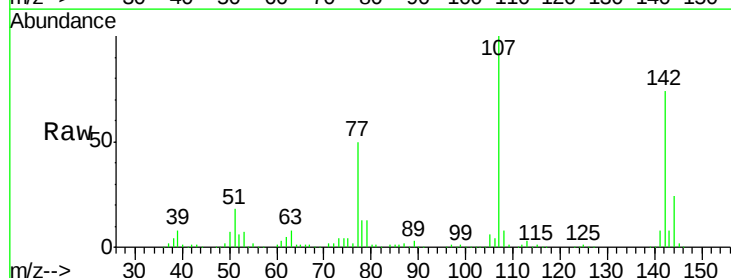
Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36
 4-Chloro-3-methylphenol
 Concen: 40.93 ng
 RT: 8.69 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

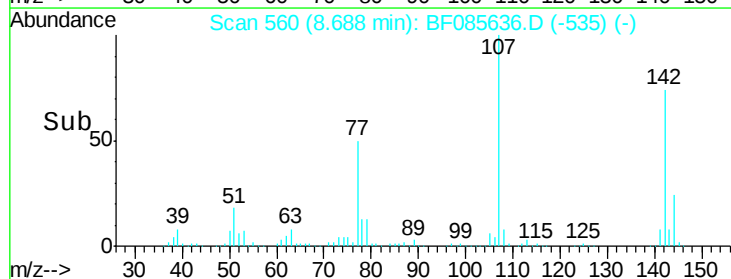
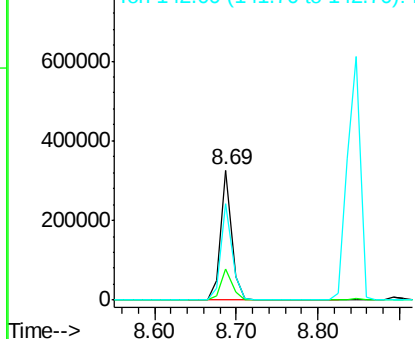
Tgt Ion	Ratio	Resp	Lower	Upper
107	100	305902		
144	23.7	19.3	28.9	
142	73.9	61.4	92.0	

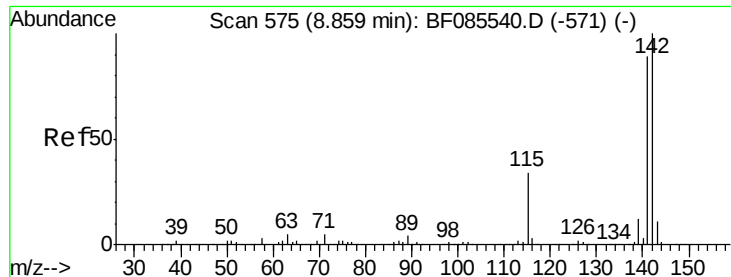


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





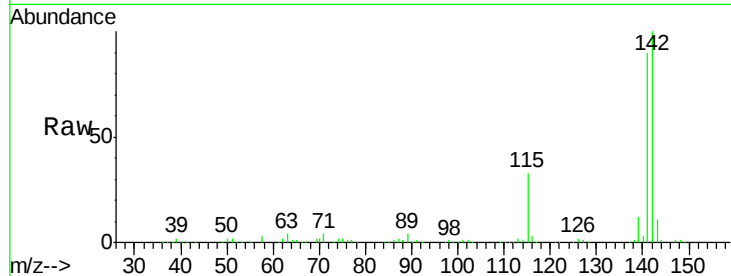
#37
2-Methylnaphthalene
Concen: 46.99 ng
RT: 8.85 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

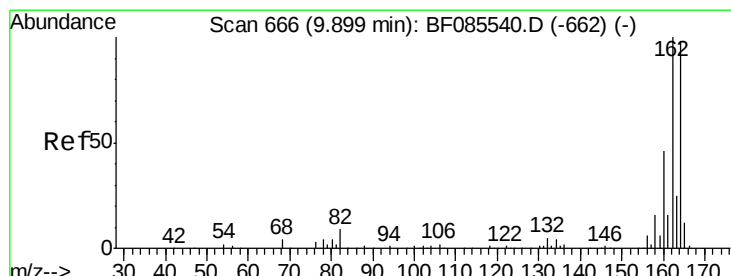
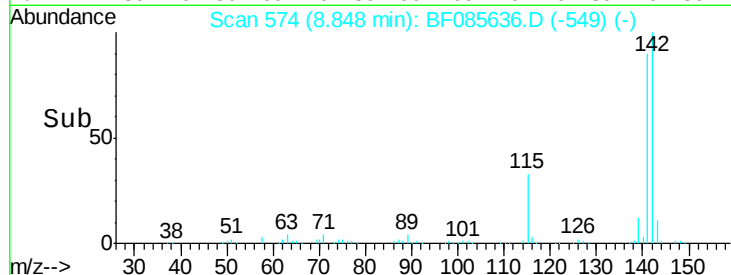
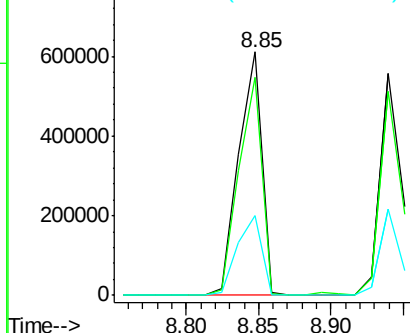
Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.6	107.4
115	32.8	26.8	40.2

Manual Integrations
APPROVED

Sohil
3/22/2016 5:33:55 PM

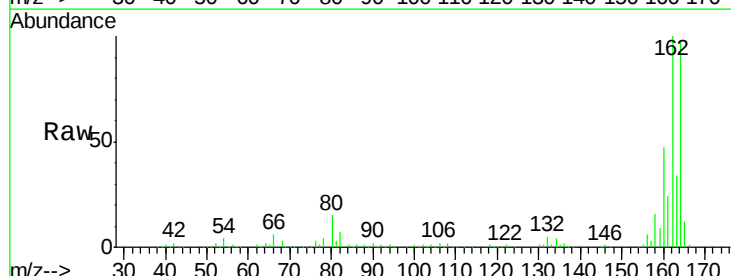


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

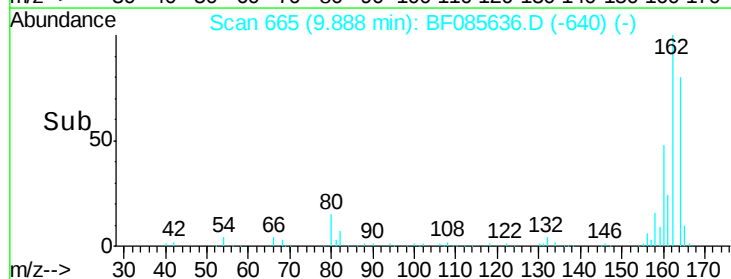
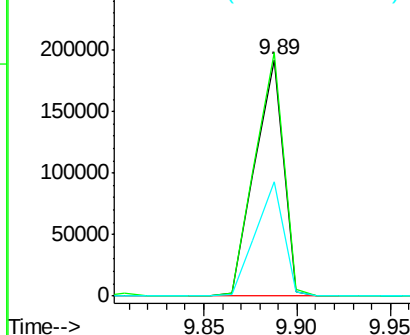


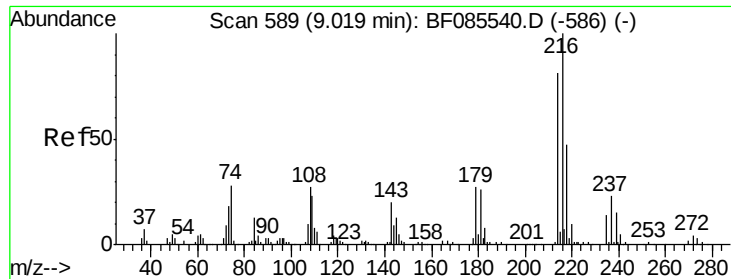
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 665
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.1	123.1
160	48.4	37.4	56.2



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





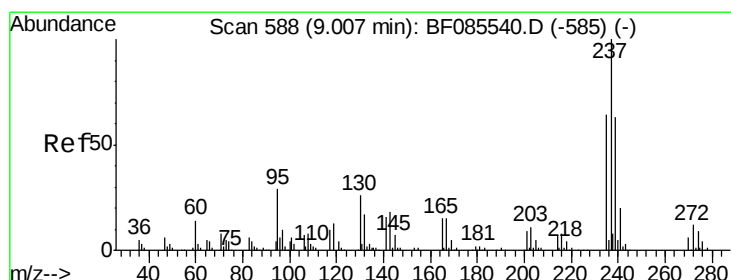
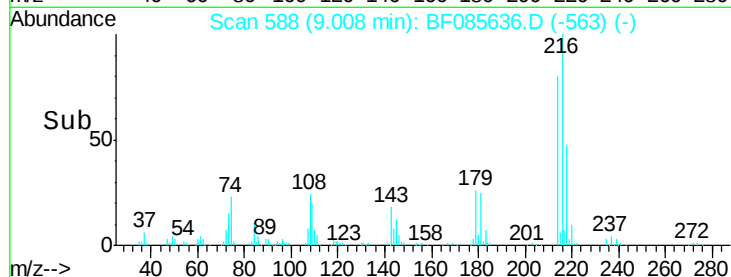
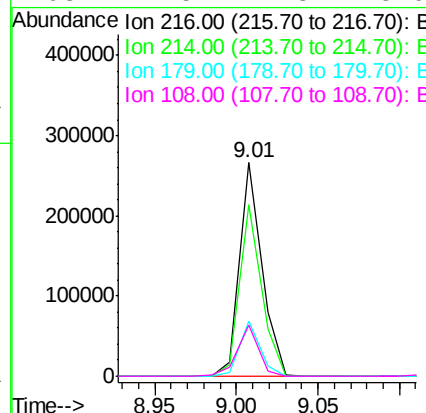
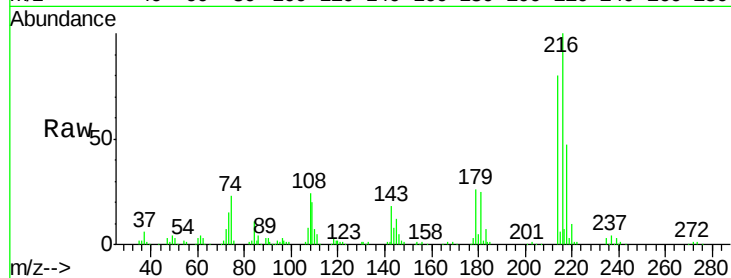
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 40.74 ng
 RT: 9.01 min Scan# 588
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	250369		
214	79.0	63.1	94.7	
179	23.7	18.2	27.2	
108	22.5	17.3	25.9	

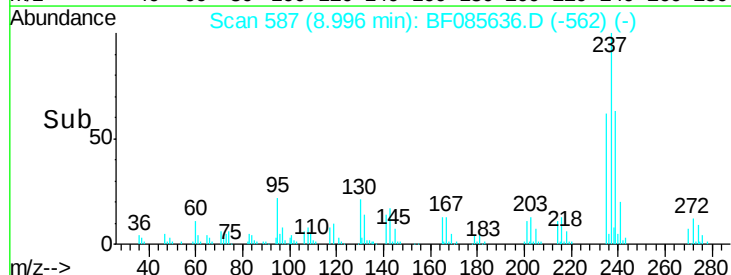
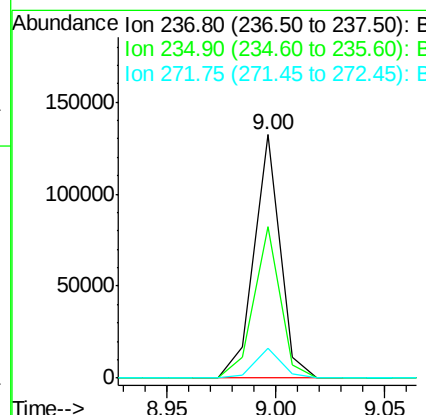
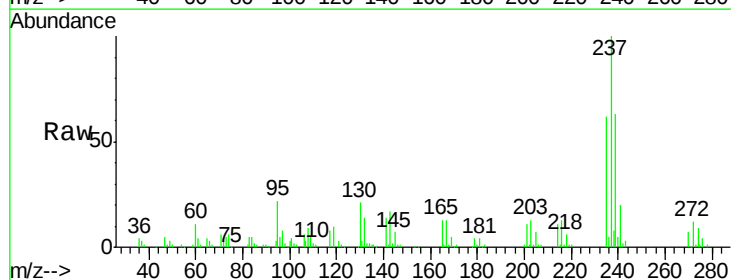
Manual Integrations
 APPROVED

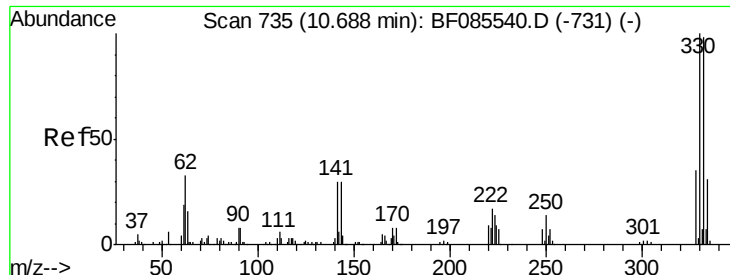
Sohil
 3/22/2016 5:33:55 PM



#40
 Hexachlorocyclopentadiene
 Concen: 39.92 ng
 RT: 9.00 min Scan# 587
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	110582		
235	62.4	43.7	83.7	
272	12.1	0.0	31.9	





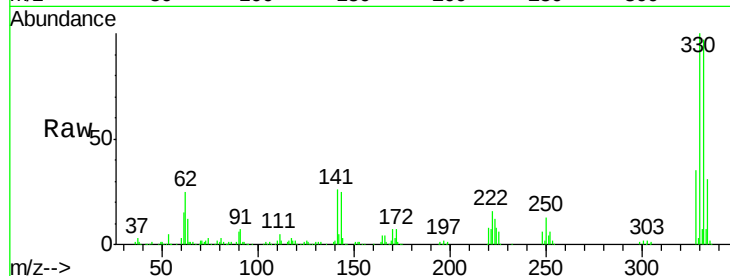
#41
 2,4,6-Tribromophenol
 Concen: 125.61 ng
 RT: 10.68 min Scan# 734
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD

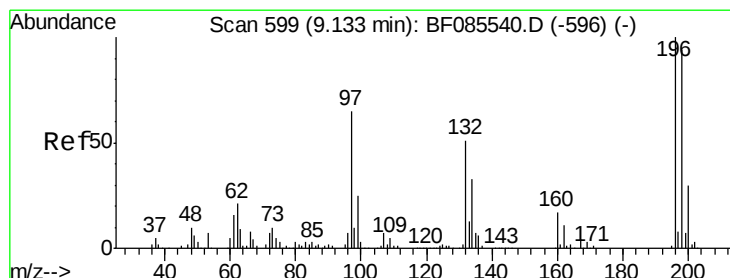
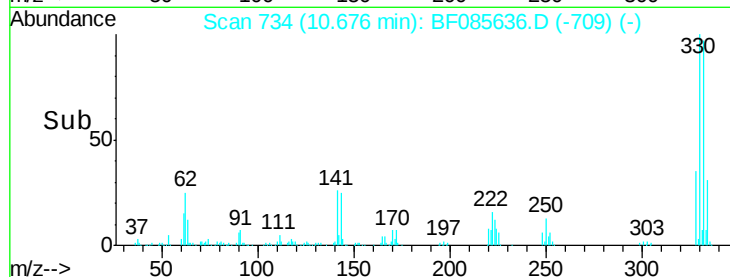
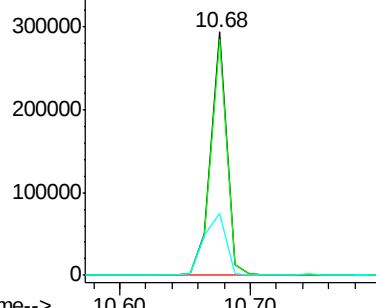
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	249293		
332	96.4	78.2	117.2	
141	35.8	31.5	47.3	

Manual Integrations
 APPROVED

Sohil
 3/22/2016 5:33:55 PM



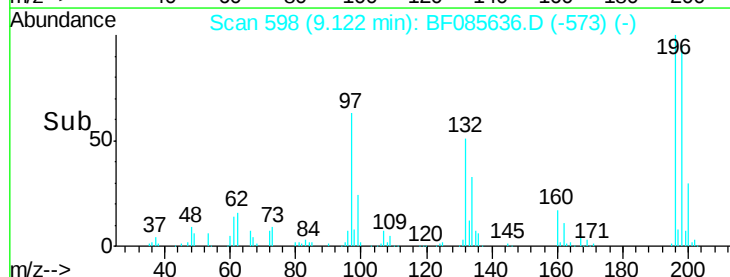
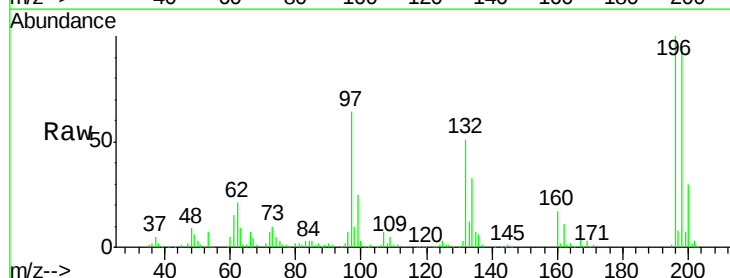
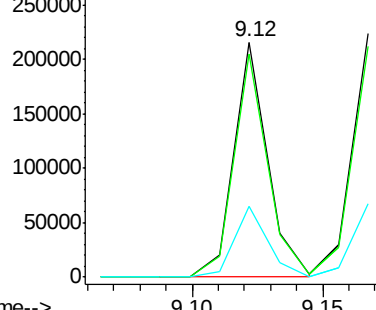
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

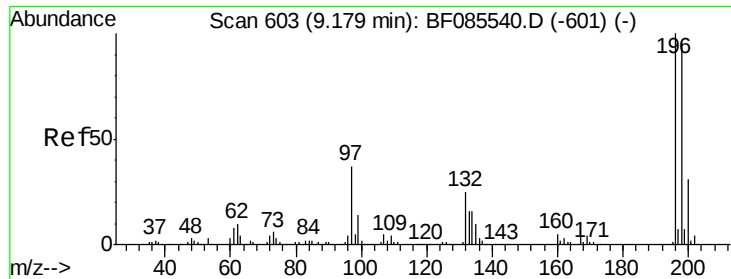


#42
 2,4,6-Trichlorophenol
 Concen: 45.48 ng
 RT: 9.12 min Scan# 598
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	191342		
198	95.0	75.3	112.9	
200	30.0	23.7	35.5	

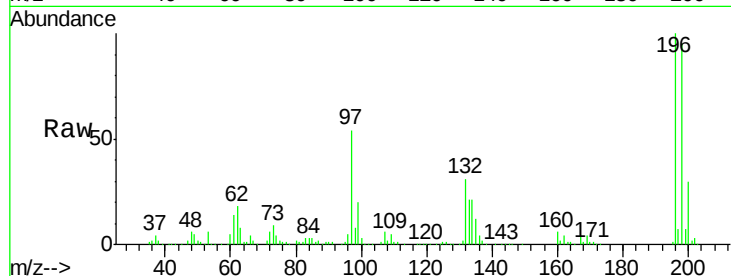
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





#43
 2,4,5-Trichlorophenol
 Concen: 46.65 ng
 RT: 9.17 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

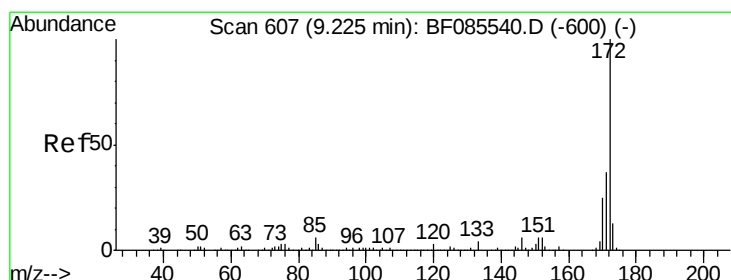
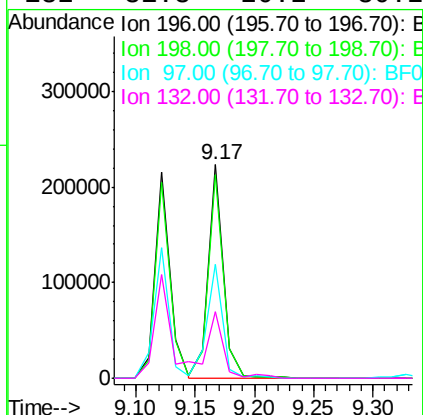
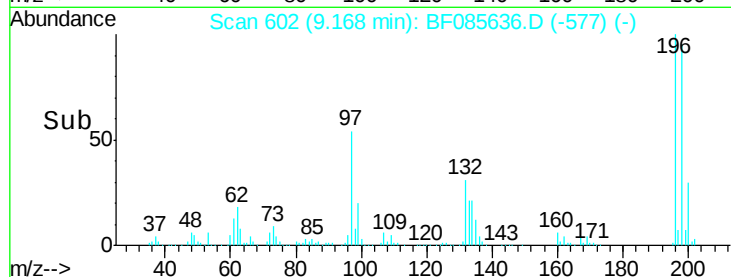
Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD



Tgt Ion	Ratio	Resp	Lower	Upper
196	100	199718		
198	95.0	76.6	114.8	
97	53.5	30.5	45.7#	
132	31.3	20.2	30.2#	

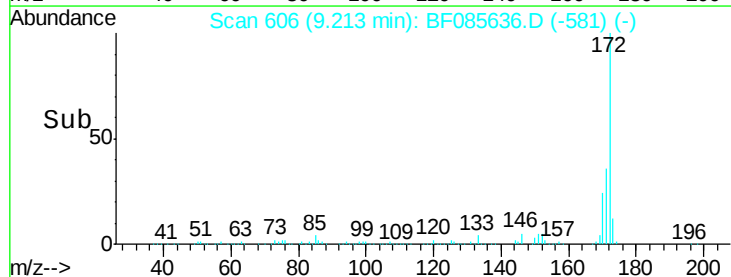
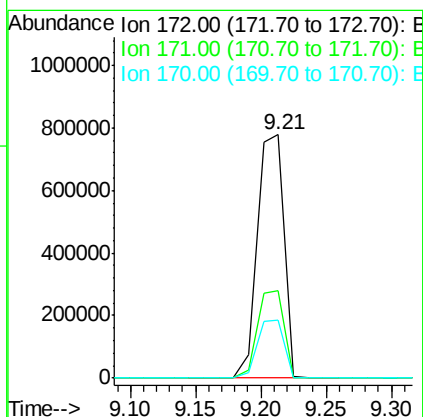
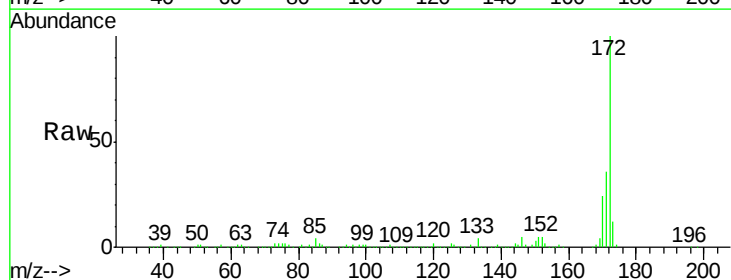
Manual Integrations
 APPROVED

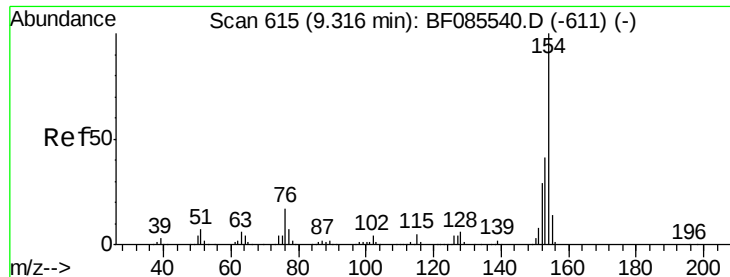
Sohil
 3/22/2016 5:33:55 PM



#44
 2-Fluorobiphenyl
 Concen: 96.52 ng
 RT: 9.21 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1107545		
171	35.8	29.4	44.2	
170	23.8	19.8	29.6	





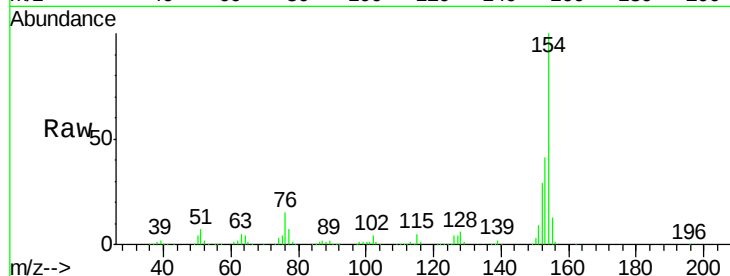
#45
1,1'-Biphenyl
Concen: 39.35 ng
RT: 9.30 min Scan# 614
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

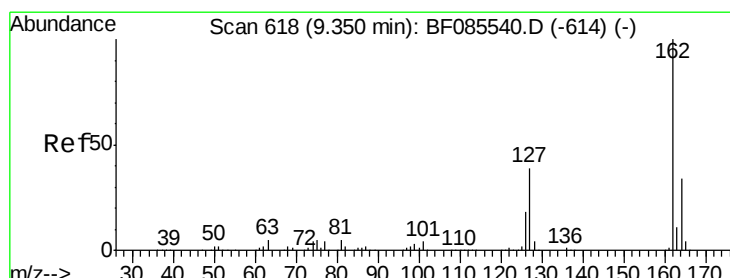
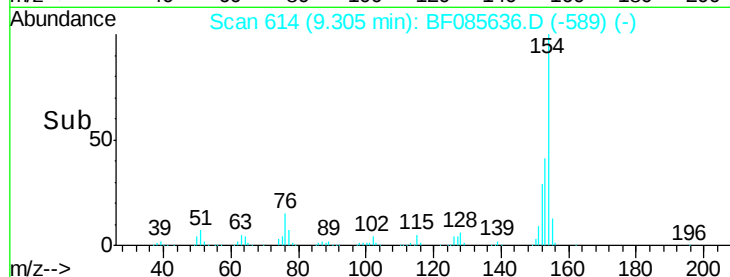
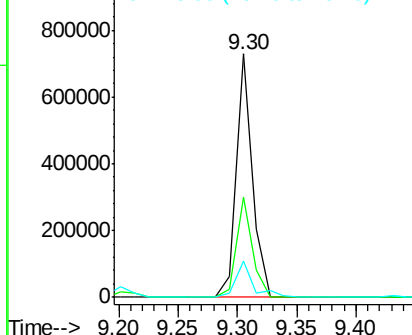
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	687672		
153	41.2	20.8	60.8	
76	15.1	0.0	36.7	

Manual Integrations
APPROVED

Sohil
3/22/2016 5:33:55 PM

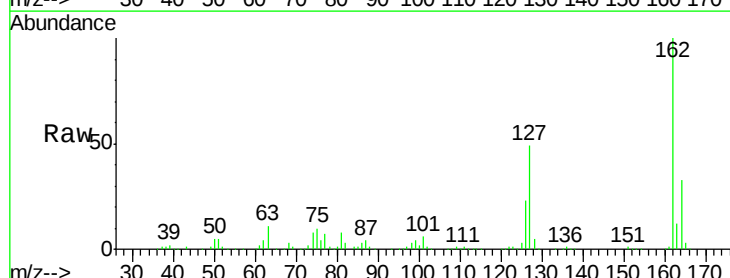


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0

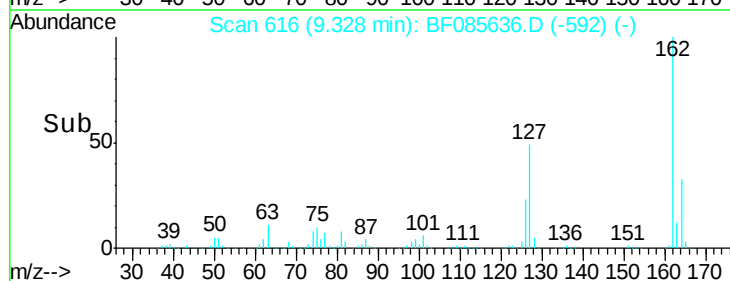
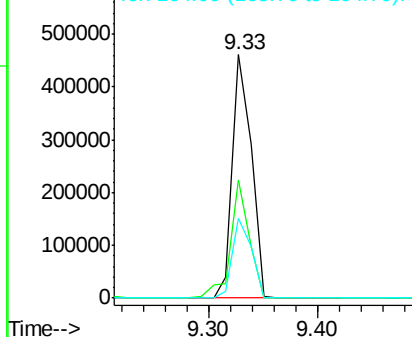


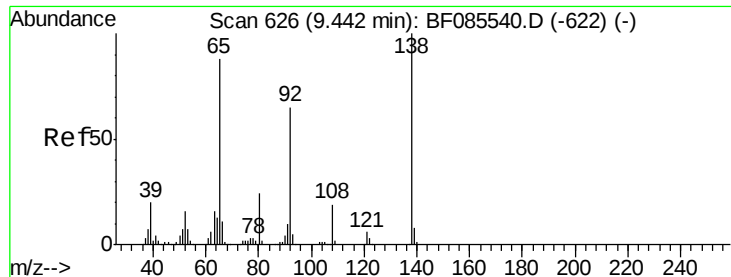
#46
2-Chloronaphthalene
Concen: 42.80 ng
RT: 9.33 min Scan# 616
Delta R.T. -0.02 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
162	100	546455		
127	48.6	31.7	47.5#	
164	32.5	27.3	40.9	



Abundance Ion 162.00 (161.70 to 162.70): E
Ion 127.00 (126.70 to 127.70): E
Ion 164.00 (163.70 to 164.70): E





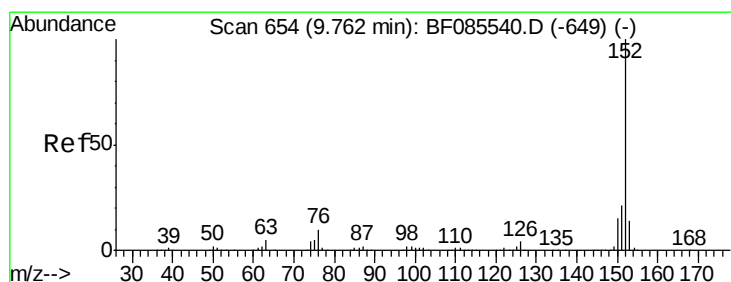
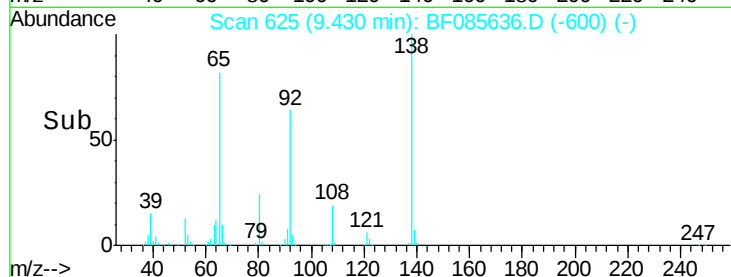
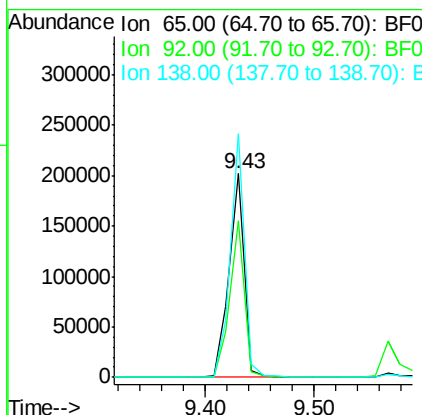
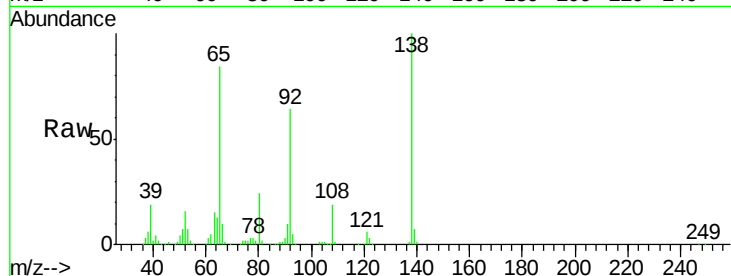
#47
2-Nitroaniline
Concen: 50.51 ng
RT: 9.43 min Scan# 625
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	195073		
92	77.1	59.7	89.5	
138	119.6	91.4	137.0	

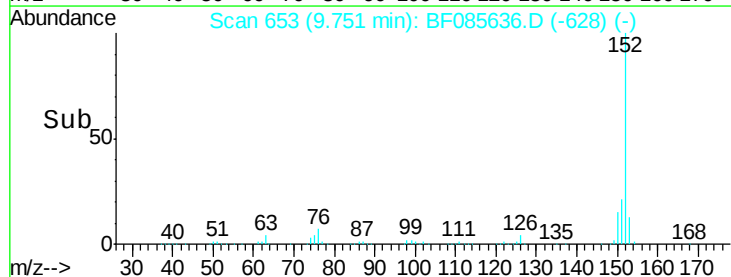
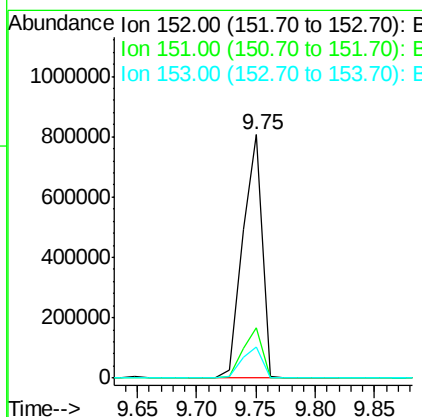
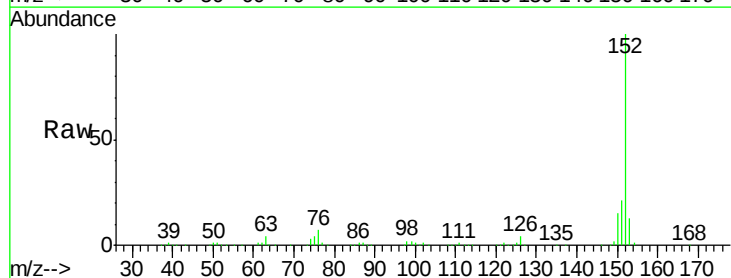
Manual Integrations
APPROVED

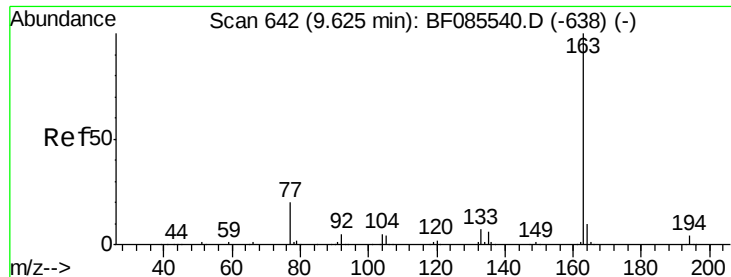
Sohil
3/22/2016 5:33:55 PM



#48
Acenaphthylene
Concen: 44.37 ng
RT: 9.75 min Scan# 653
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	916678		
151	20.5	16.8	25.2	
153	12.7	10.9	16.3	





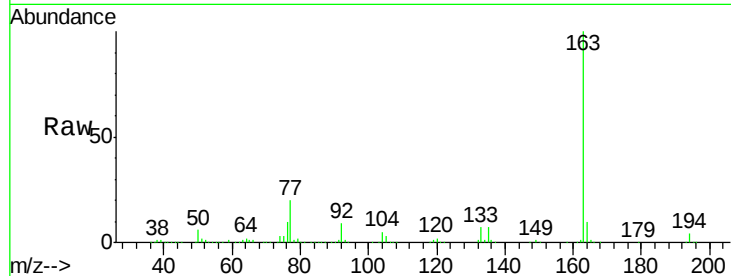
#49
Dimethylphthalate
Concen: 61.94 ng
RT: 9.61 min Scan# 641
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

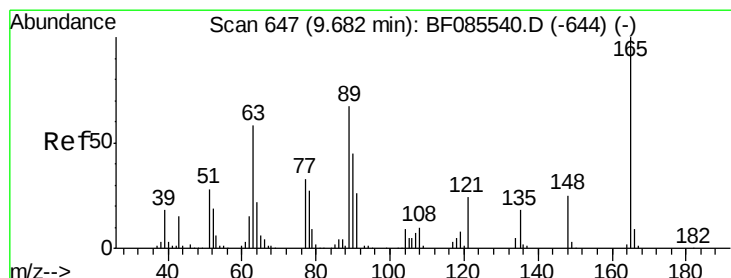
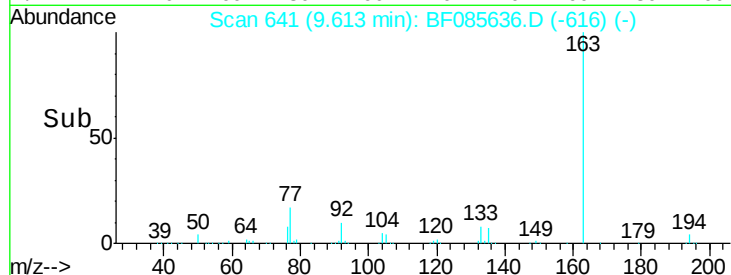
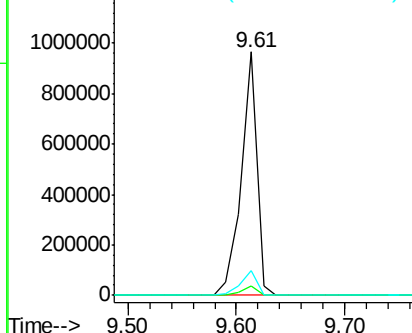
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	946925		
194	3.7	2.9	4.3	
164	10.4	8.3	12.5	

Manual Integrations
APPROVED

Sohil
3/22/2016 5:33:55 PM

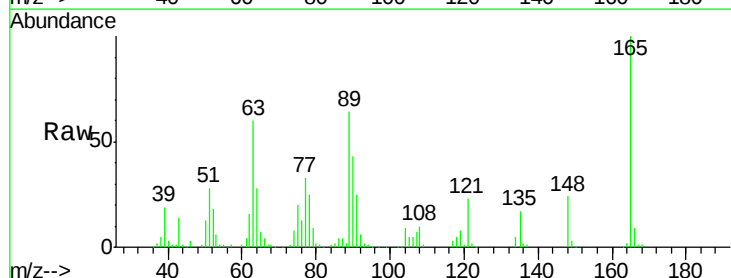


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

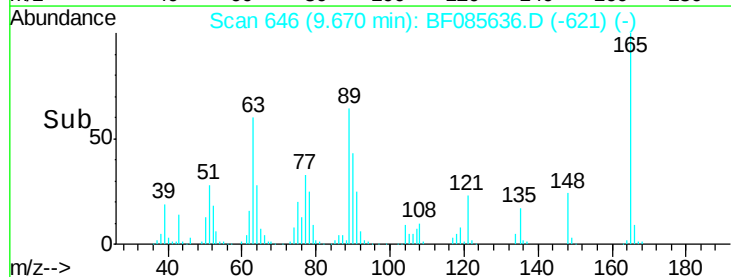
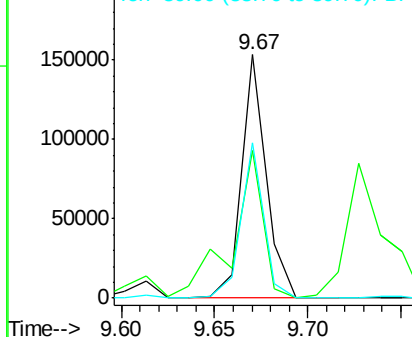


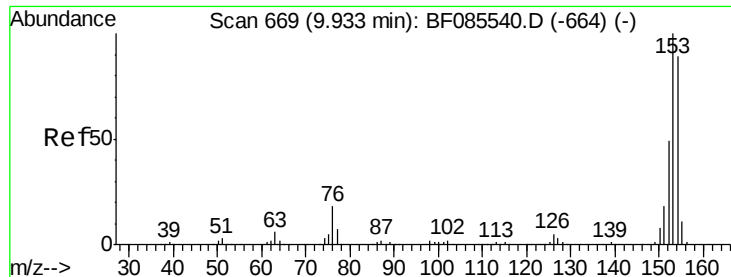
#50
2,6-Dinitrotoluene
Concen: 43.35 ng
RT: 9.67 min Scan# 646
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	139921		
63	60.4	51.8	77.8	
89	64.0	53.7	80.5	



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 45.55 ng

RT: 9.92 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

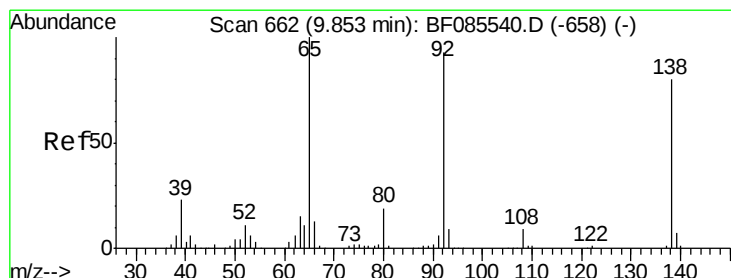
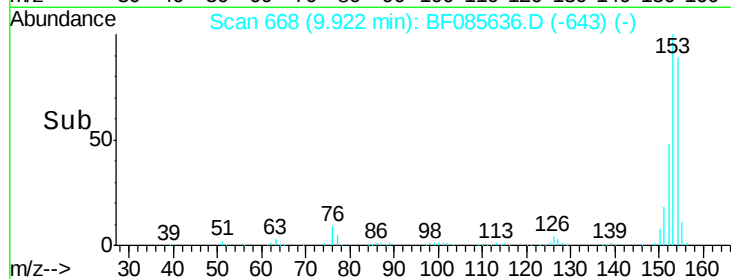
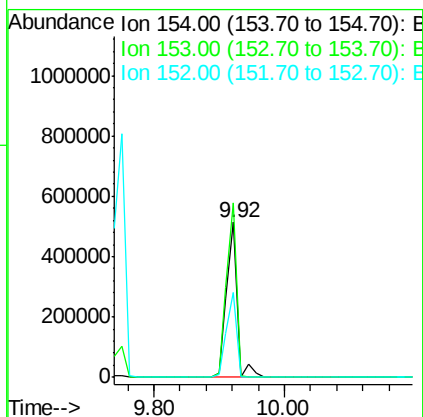
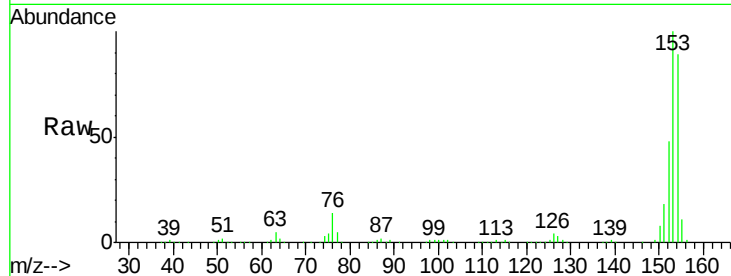
ClientSampleId :

BOTTOM(7)MSD

Tgt Ion:	154	Resp:	590623
Ion Ratio	Lower	Upper	
154	100		
153	113.0	90.1	135.1
152	54.6	44.2	66.2

Manual Integrations
APPROVED

Sohil
3/22/2016 5:33:55 PM



#52

3-Nitroaniline

Concen: 40.29 ng

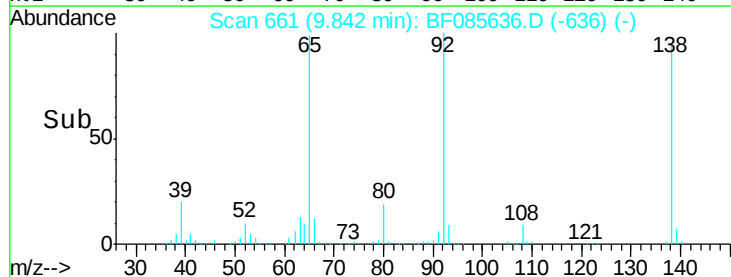
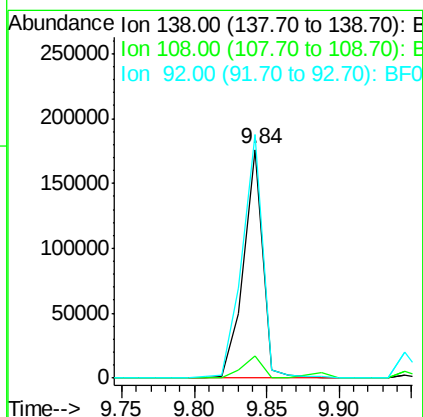
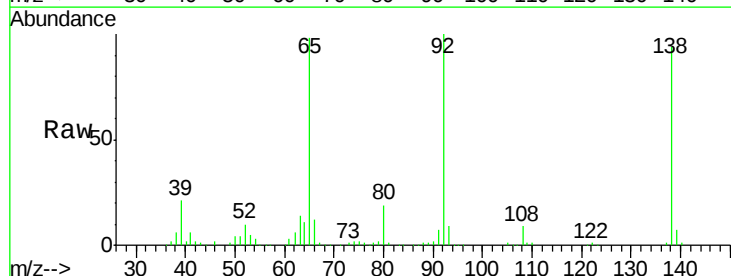
RT: 9.84 min Scan# 661

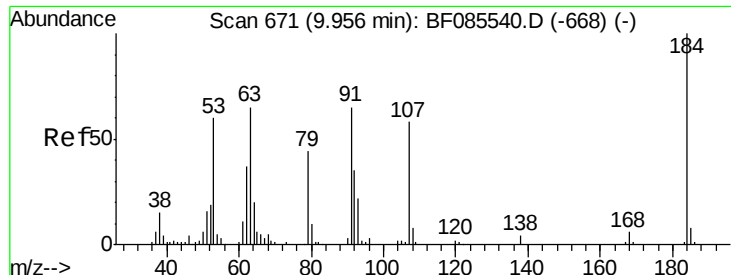
Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Tgt Ion:	138	Resp:	162886
Ion Ratio	Lower	Upper	
138	100		
108	9.9	8.7	13.1
92	106.4	93.3	139.9





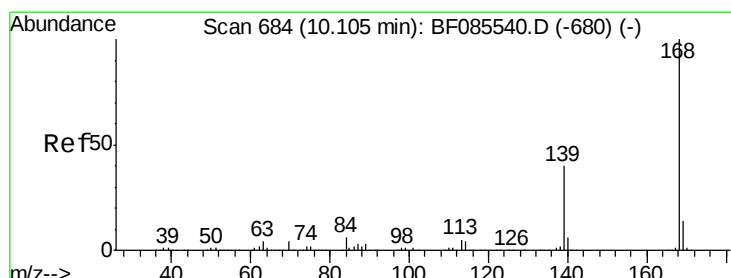
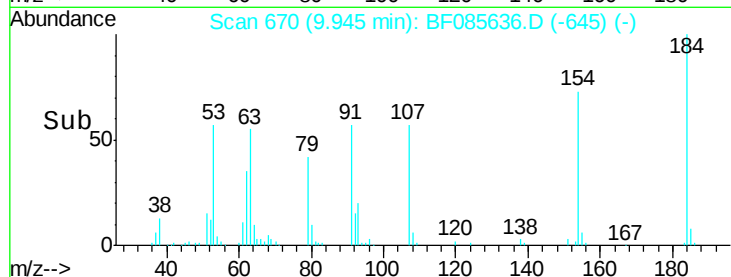
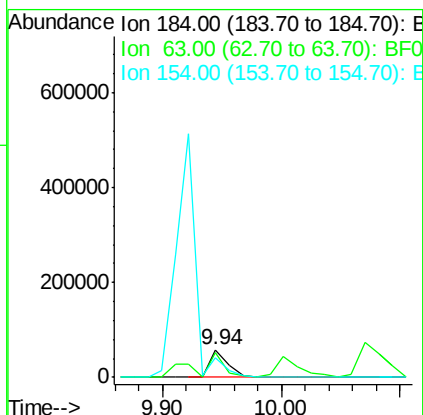
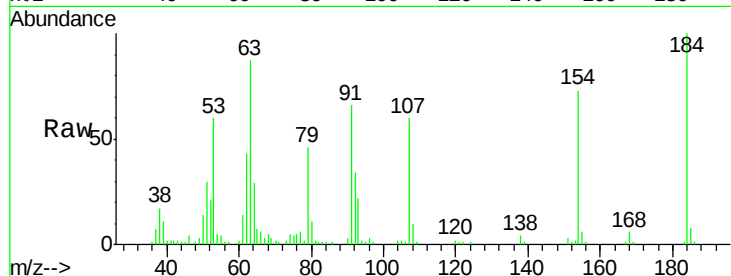
#53
2,4-Dinitrophenol
Concen: 33.26 ng
RT: 9.94 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	65769		
63	87.1	69.5	104.3	
154	72.8	58.3	87.5	

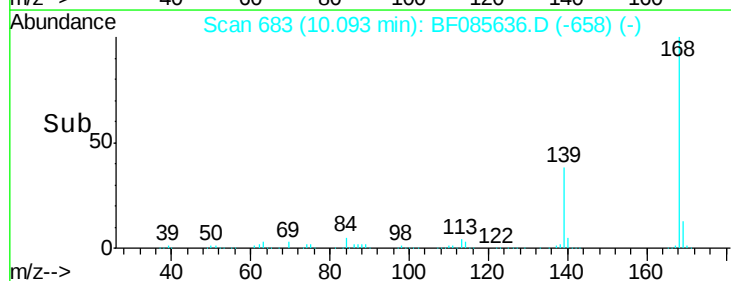
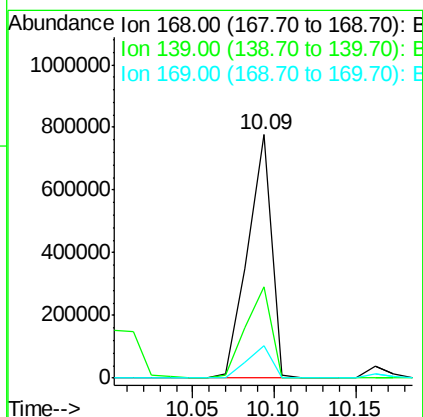
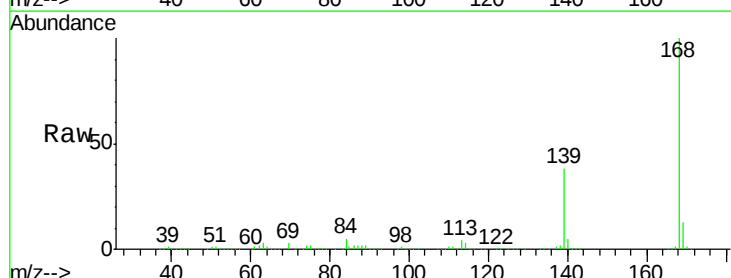
Manual Integrations
APPROVED

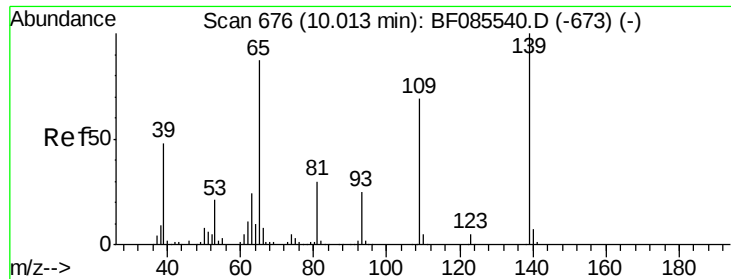
Sohil
3/22/2016 5:33:55 PM



#54
Dibenzofuran
Concen: 49.97 ng
RT: 10.09 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	789040		
139	37.5	31.9	47.9	
169	13.2	11.0	16.6	





#55

4-Nitrophenol

Concen: 71.27 ng

RT: 10.00 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

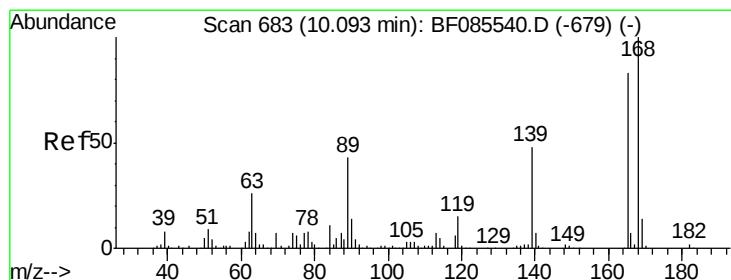
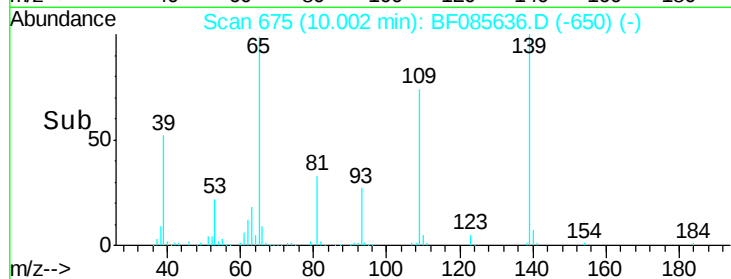
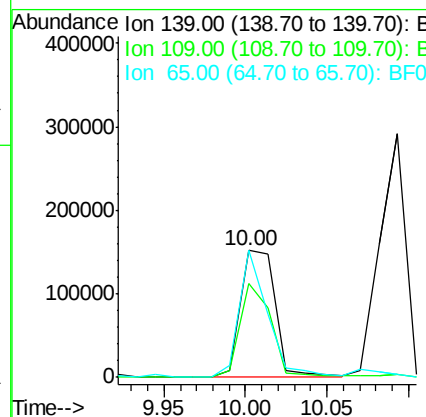
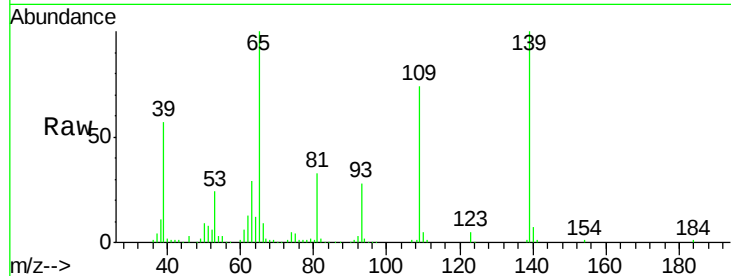
ClientSampleId :

BOTTOM(7)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
139	100	222675		
109	74.4	49.2	89.2	
65	99.9	66.9	106.9	

Manual Integrations
APPROVED

Sohil
3/22/2016 5:33:55 PM



#56

2,4-Dinitrotoluene

Concen: 44.66 ng

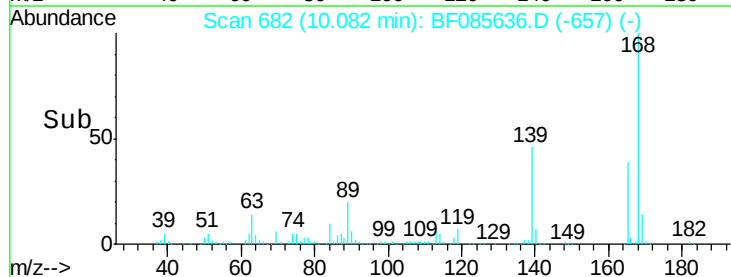
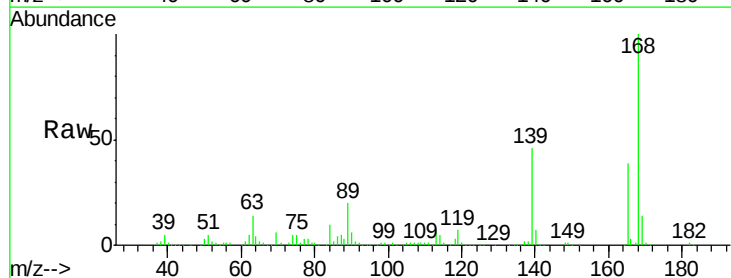
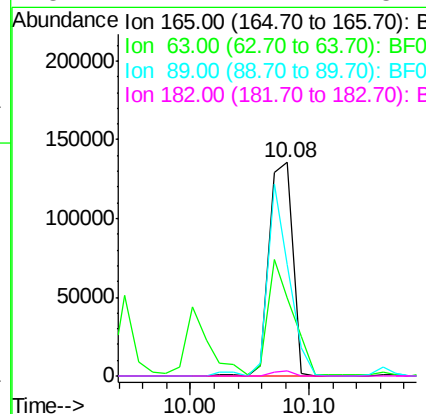
RT: 10.08 min Scan# 682

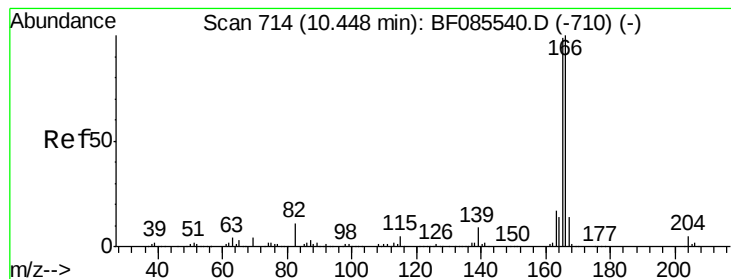
Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	188741		
63	36.8	24.9	37.3	
89	52.0	41.0	61.6	
182	2.7	2.1	3.1	





#57

Fluorene

Concen: 43.24 ng

RT: 10.44 min Scan# 713

Delta R.T. -0.01 min

Lab File: BF085636.D

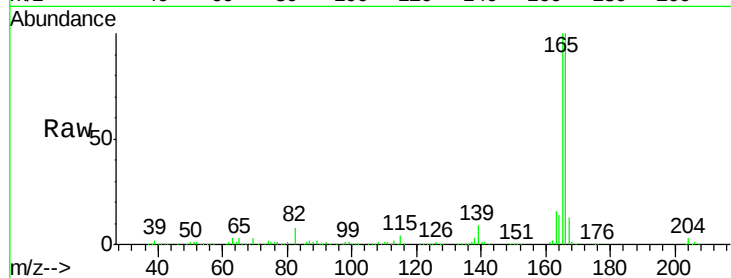
Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM(7)MSD



Tgt Ion:166 Resp: 569029

Ion Ratio Lower Upper

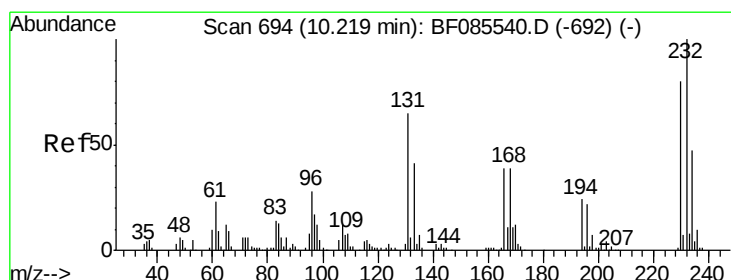
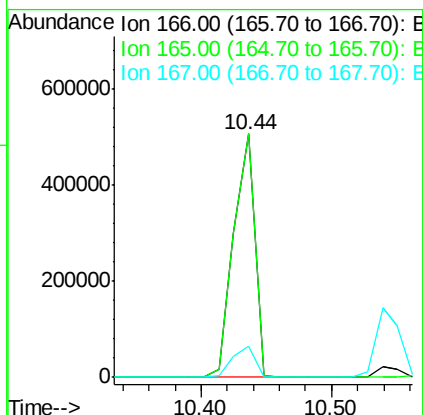
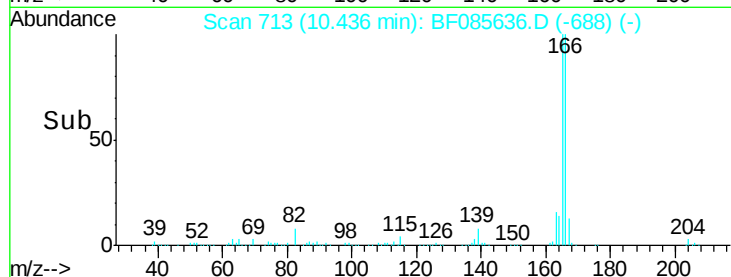
166 100

165 99.9 79.4 119.0

167 13.0 11.0 16.4

Manual Integrations
APPROVED

Sohil
3/22/2016 5:33:55 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 46.26 ng

RT: 10.21 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Tgt Ion:232 Resp: 142600

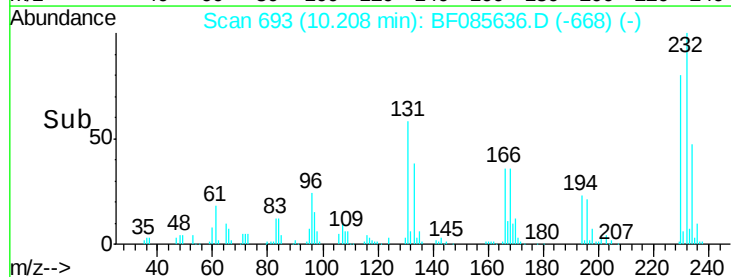
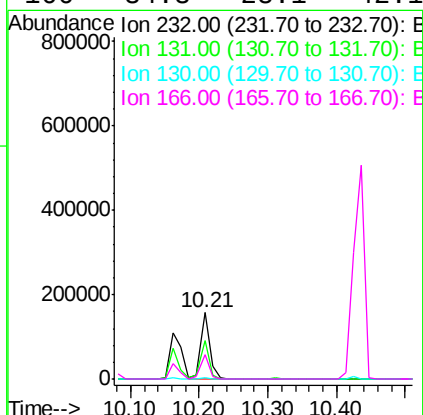
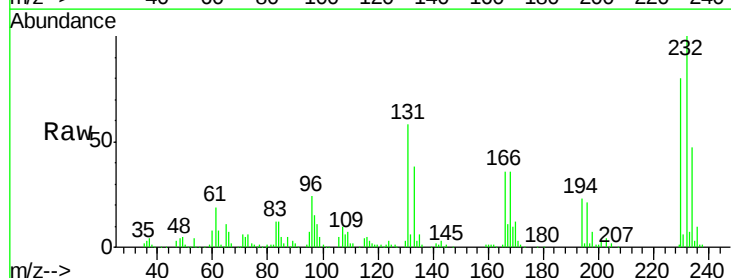
Ion Ratio Lower Upper

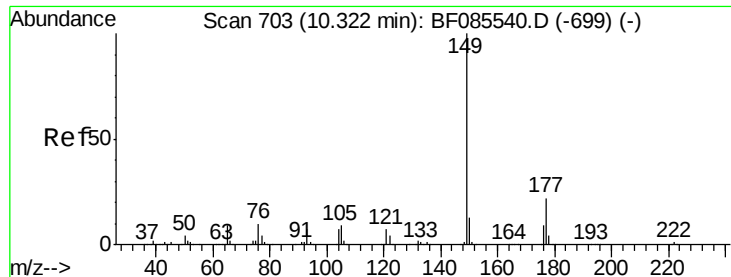
232 100

131 55.4 44.9 67.3

130 2.8 2.3 3.5

166 34.3 28.1 42.1





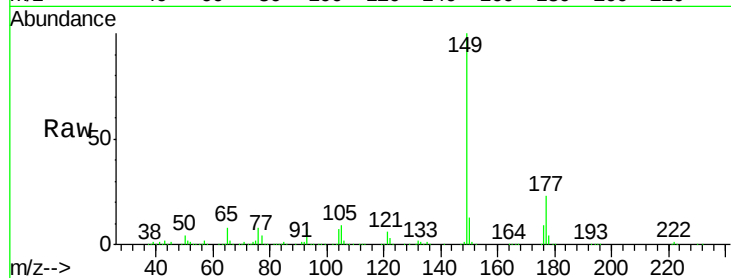
#59
Diethylphthalate
Concen: 47.43 ng
RT: 10.31 min Scan# 702
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

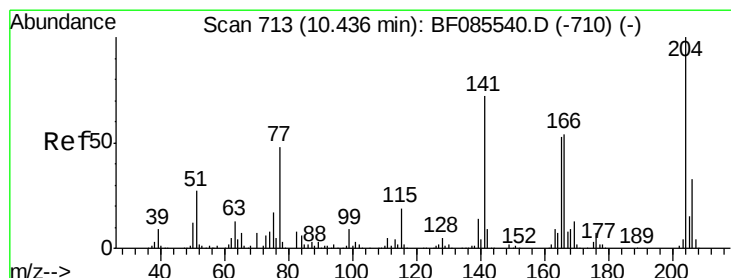
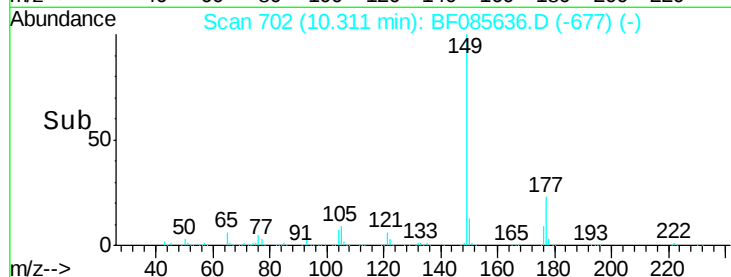
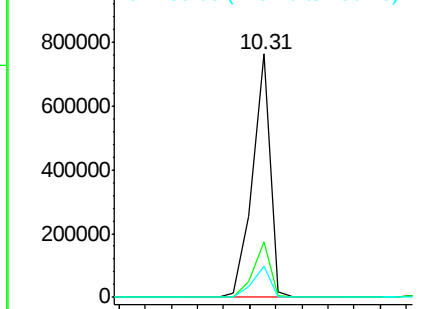
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	720969		
177	22.7	17.9	26.9	
150	12.6	10.2	15.2	

Manual Integrations
APPROVED

Sohil
3/22/2016 5:33:55 PM

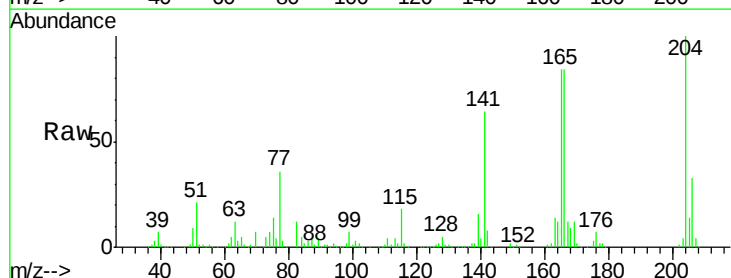


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

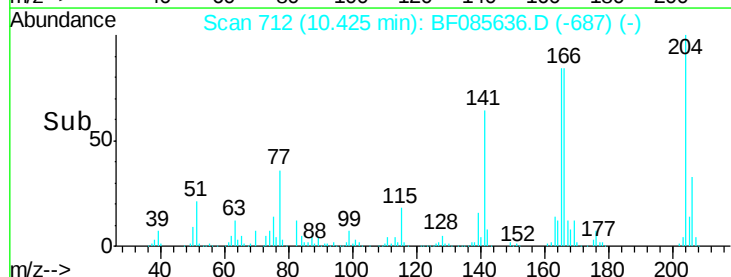
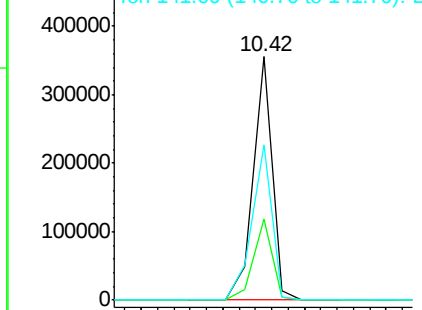


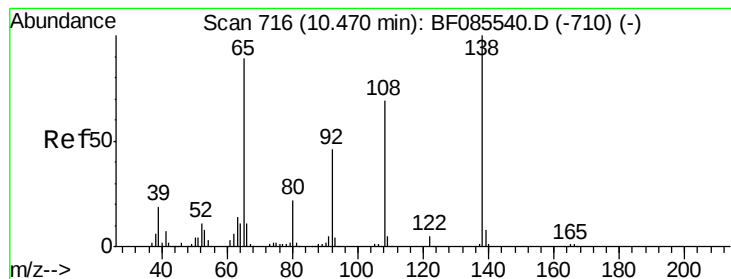
#60
4-Chlorophenyl-phenylether
Concen: 44.81 ng
RT: 10.42 min Scan# 712
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	287915		
206	33.1	26.6	39.8	
141	63.6	57.4	86.0	



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 36.22 ng

RT: 10.45 min Scan# 714

Delta R.T. -0.02 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

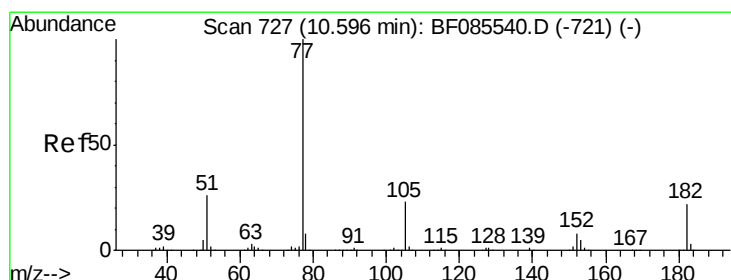
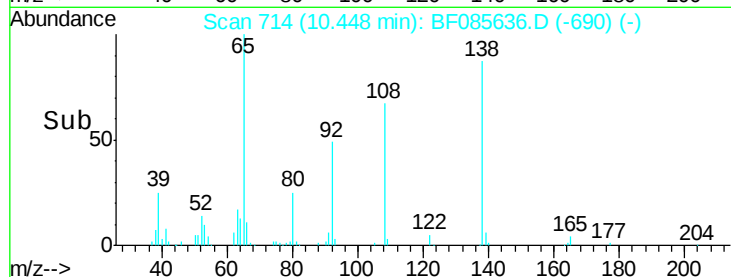
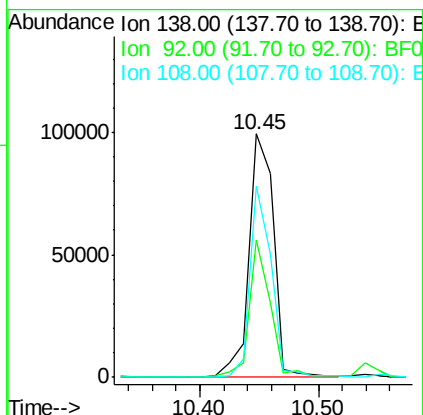
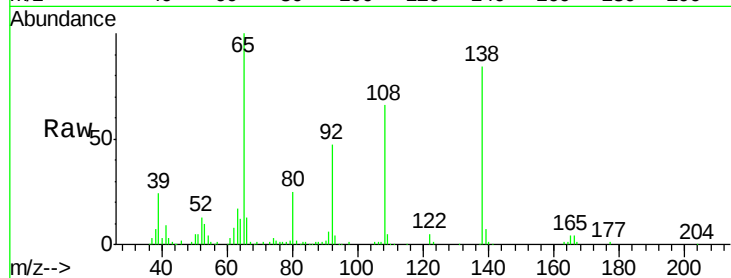
ClientSampleId :

BOTTOM(7)MSD

Tgt Ion:	138	Resp:	144331
Ion Ratio	Lower	Upper	
138	100		
92	56.2	26.4	66.4
108	78.3	49.0	89.0

Manual Integrations
APPROVED

Sohil
3/22/2016 5:33:55 PM



#62

Azobenzene

Concen: 47.56 ng

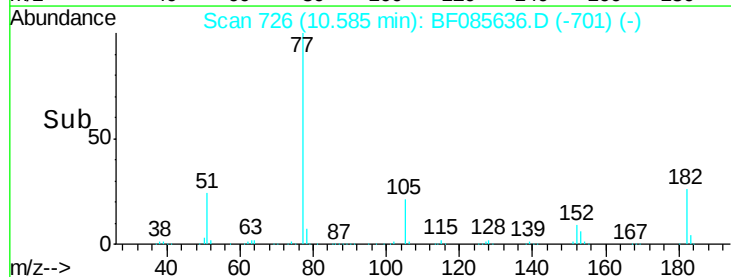
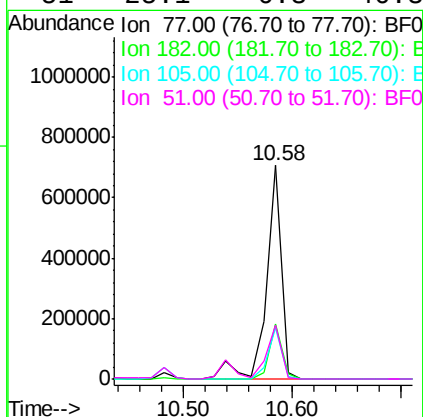
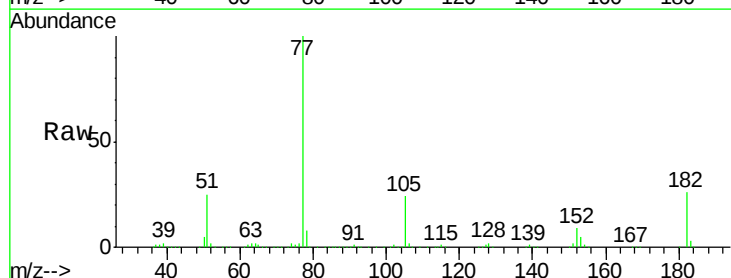
RT: 10.58 min Scan# 726

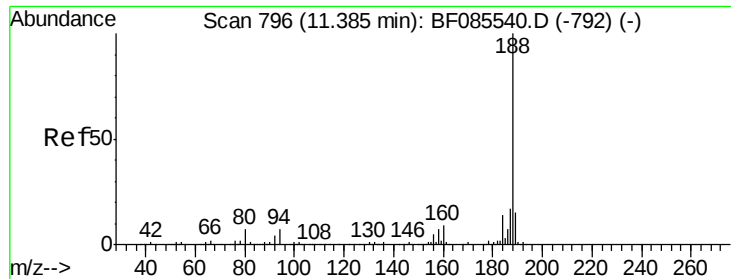
Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Tgt Ion:	77	Resp:	693662
Ion Ratio	Lower	Upper	
77	100		
182	25.8	1.9	41.9
105	24.3	3.5	43.5
51	25.1	6.3	46.3





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.36 min Scan# 794

Delta R.T. -0.02 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM(7)MSD

Tgt Ion:188 Resp: 309708
Ion Ratio Lower Upper

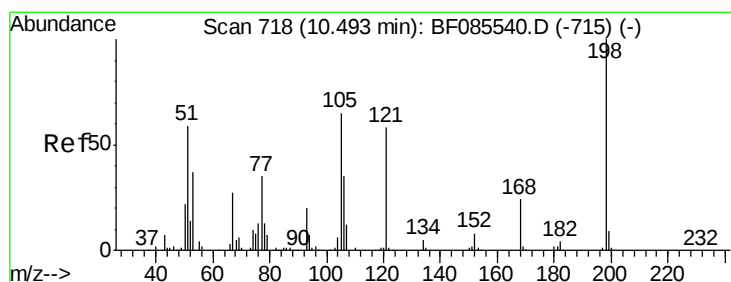
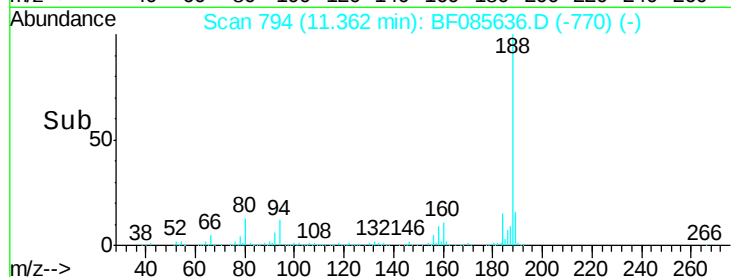
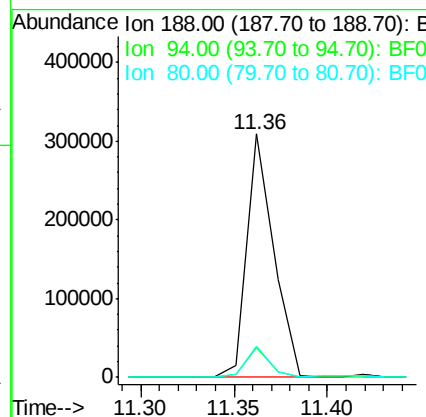
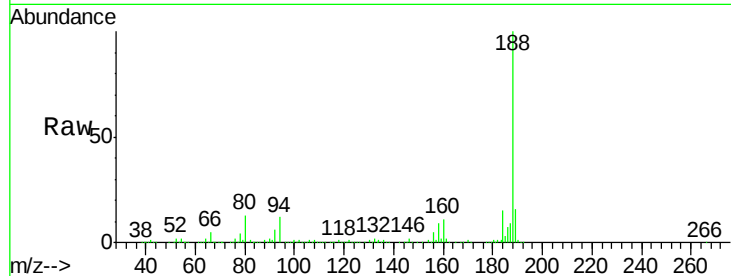
188 100

94 12.0 5.4 8.0#

80 12.9 5.5 8.3#

Manual Integrations
APPROVED

Sohil
3/22/2016 5:33:55 PM



#64

4,6-Dinitro-2-methylphenol

Concen: 29.59 ng

RT: 10.48 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF085636.D

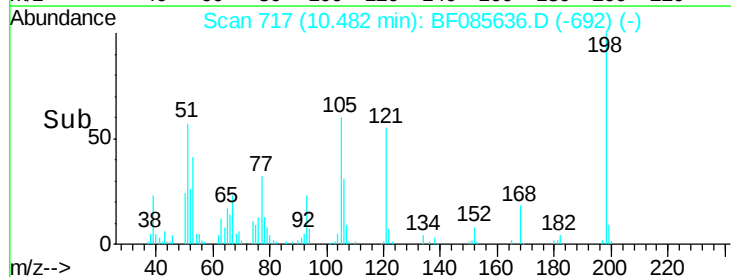
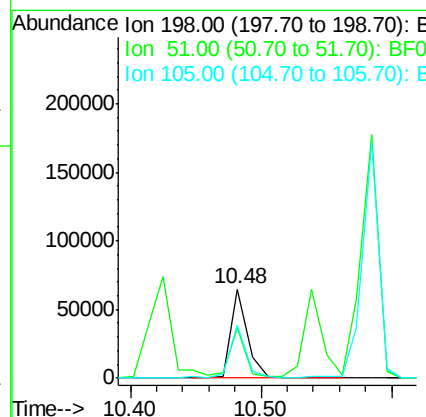
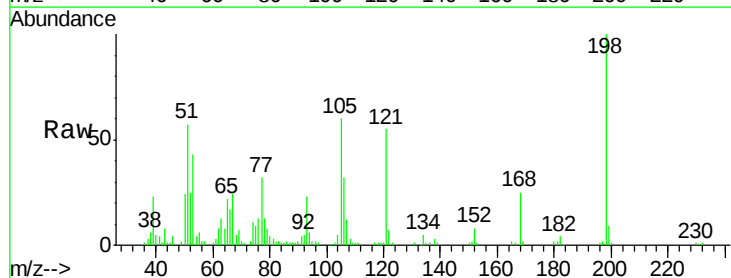
Acq: 21 Mar 2016 21:50

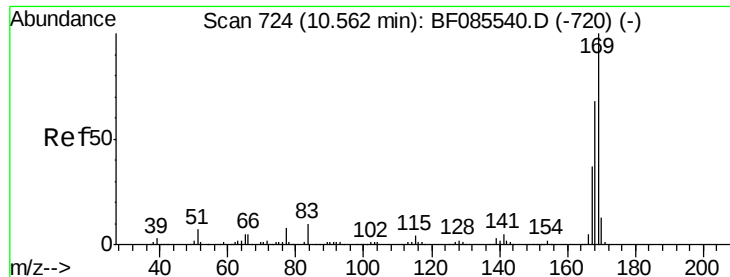
Tgt Ion:198 Resp: 58639
Ion Ratio Lower Upper

198 100

51 56.6 45.4 85.4

105 59.7 45.9 85.9





#65

n-Nitrosodiphenylamine

Concen: 52.00 ng

RT: 10.54 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

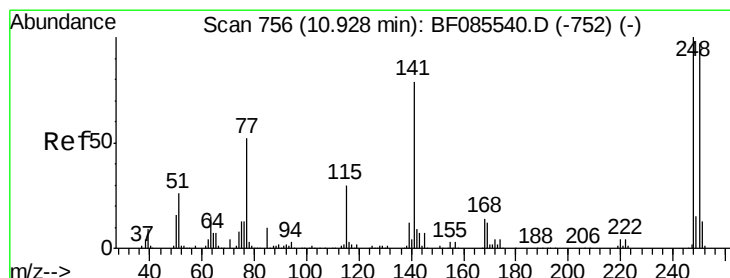
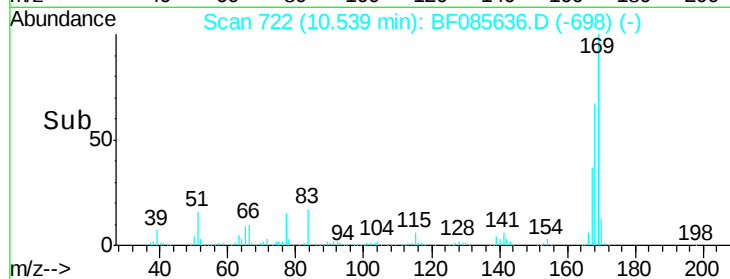
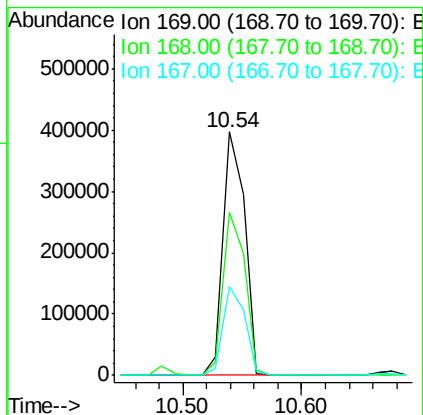
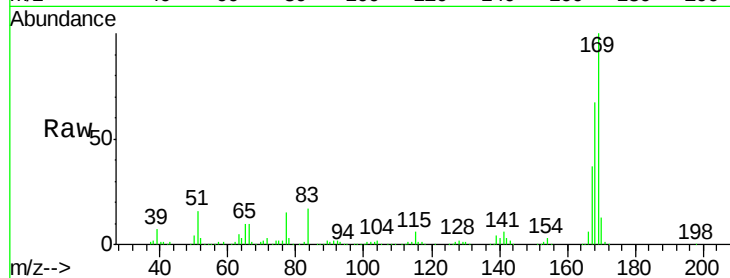
ClientSampleId :

BOTTOM(7)MSD

Tgt Ion:	169	Resp:	501704
Ion Ratio	Lower	Upper	
169	100		
168	67.1	54.4	81.6
167	36.5	29.4	44.0

Manual Integrations
APPROVED

Sohil
3/22/2016 5:33:55 PM



#66

4-Bromophenyl-phenylether

Concen: 55.10 ng

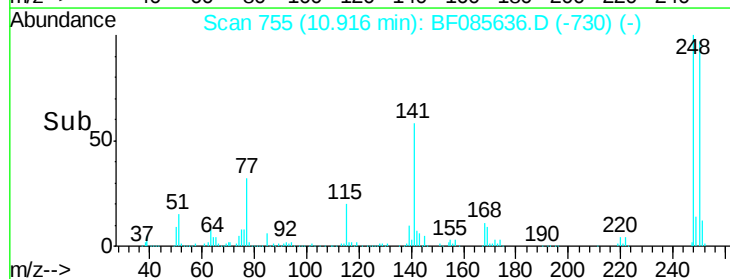
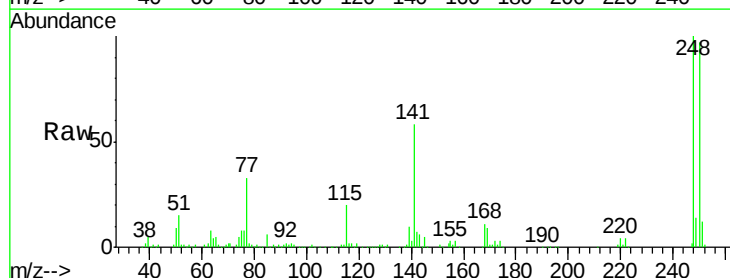
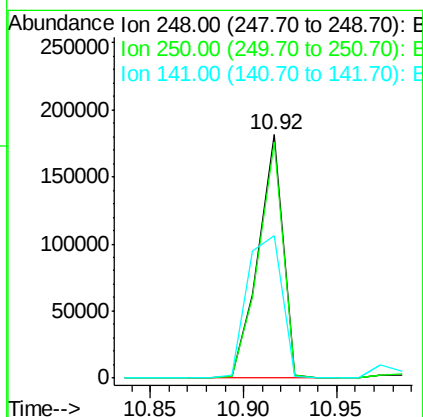
RT: 10.92 min Scan# 755

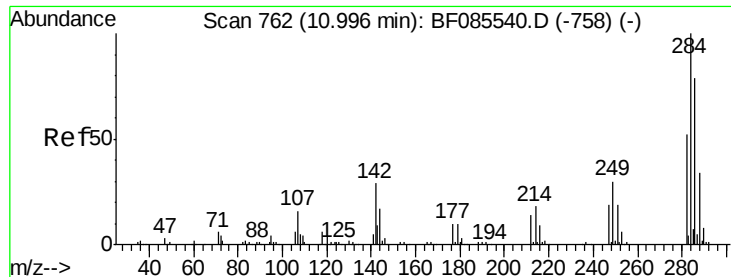
Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Tgt Ion:	248	Resp:	170464
Ion Ratio	Lower	Upper	
248	100		
250	96.9	77.4	116.0
141	58.3	63.6	95.4#





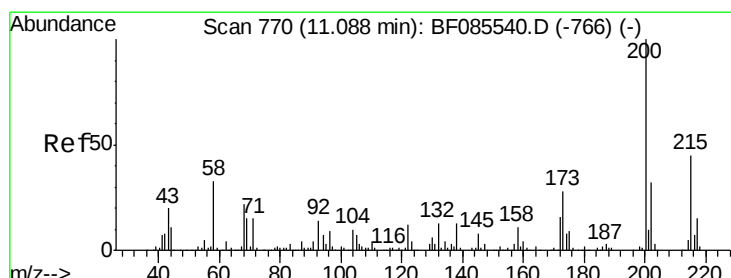
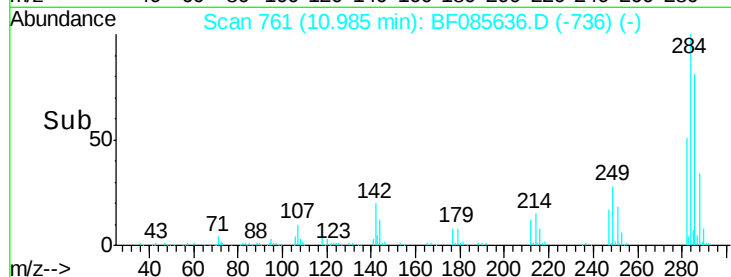
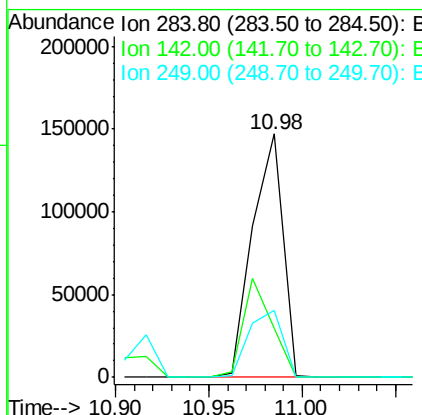
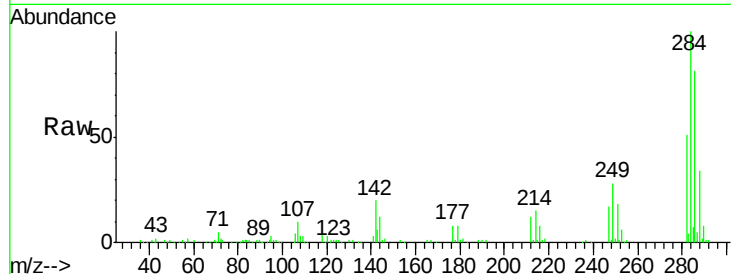
#67
Hexachlorobenzene
Concen: 50.64 ng
RT: 10.98 min Scan# 761
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	19.9	23.1	34.7#
249	27.7	24.2	36.2

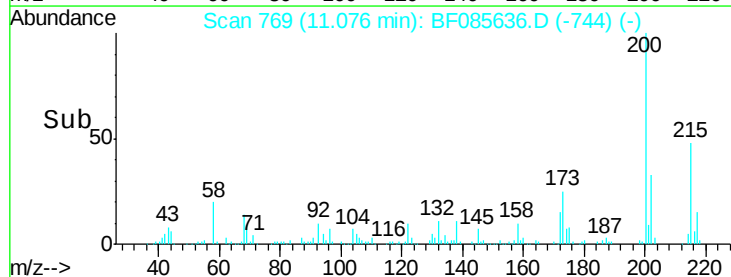
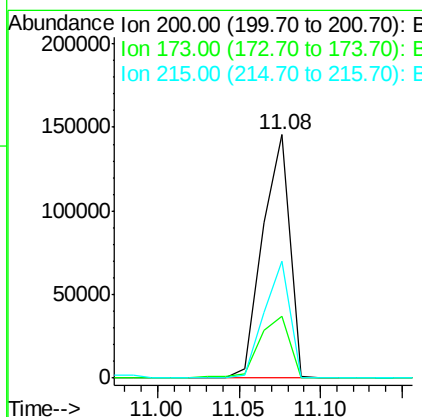
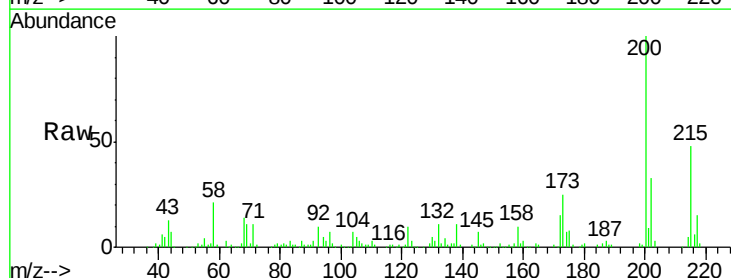
Manual Integrations
APPROVED

Sohil
3/22/2016 5:33:55 PM



#68
Atrazine
Concen: 57.36 ng
RT: 11.08 min Scan# 769
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	25.3	7.7	47.7
215	48.0	25.4	65.4





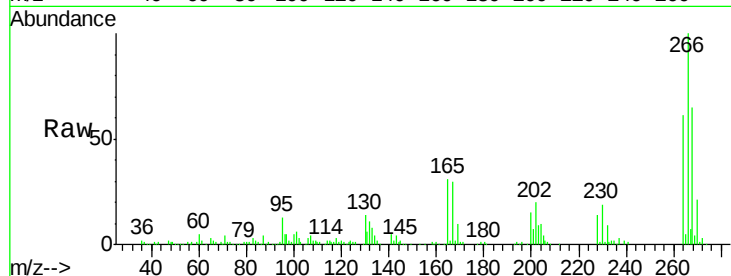
#69
 Pentachlorophenol
 Concen: 85.18 ng
 RT: 11.18 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD

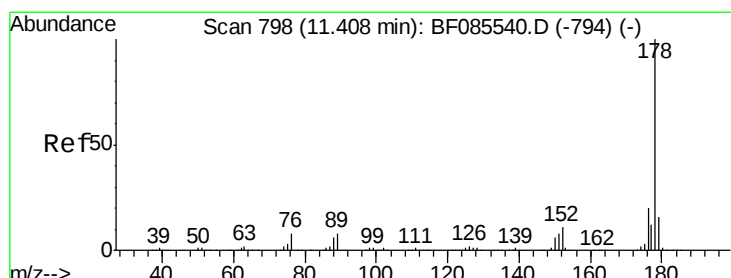
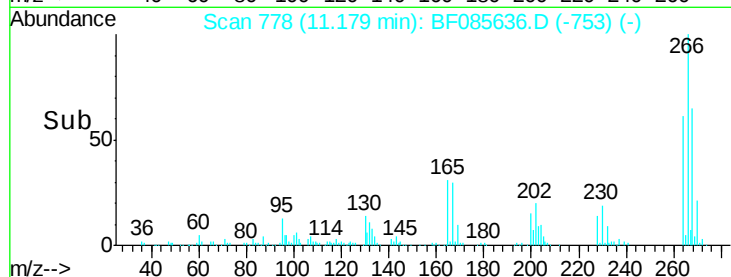
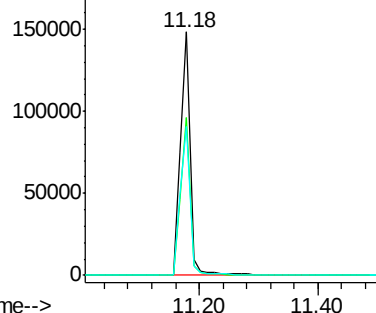
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	169989		
268	64.6	51.5	77.3	
264	61.0	50.6	76.0	

Manual Integrations
 APPROVED

Sohil
 3/22/2016 5:33:55 PM

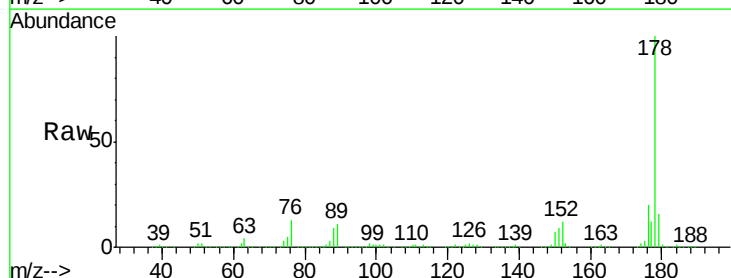


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

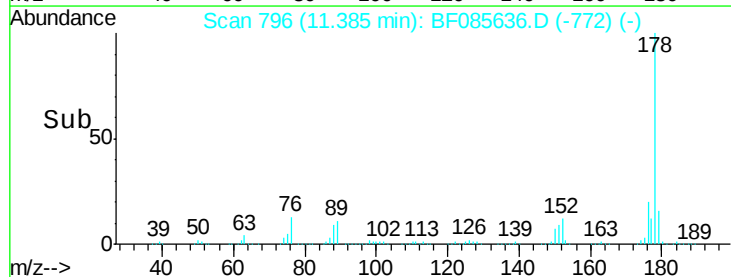
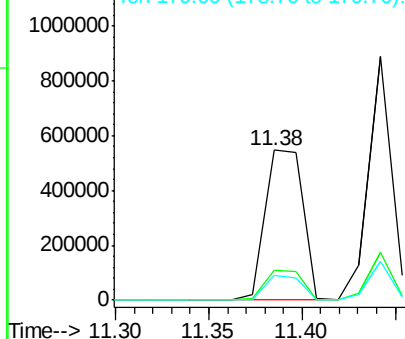


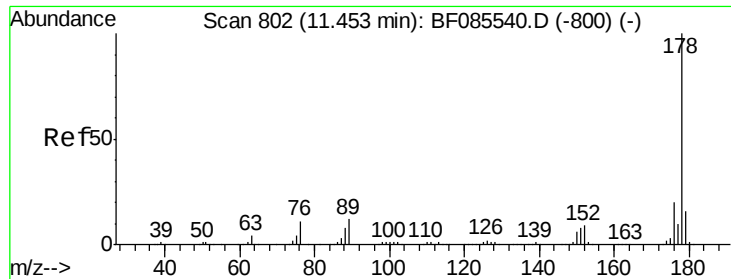
#70
 Phenanthrene
 Concen: 46.77 ng
 RT: 11.38 min Scan# 796
 Delta R.T. -0.02 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	763684		
176	20.2	16.3	24.5	
179	16.1	12.6	18.8	



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





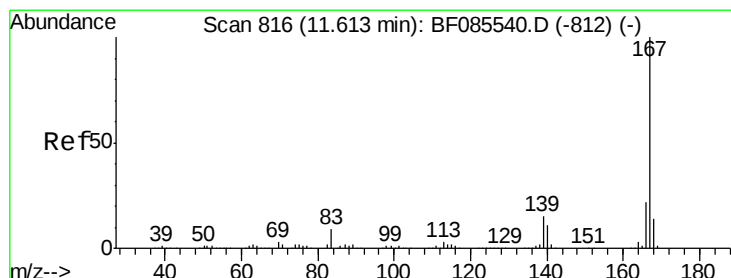
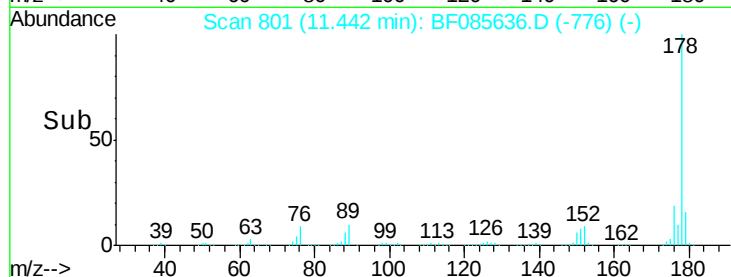
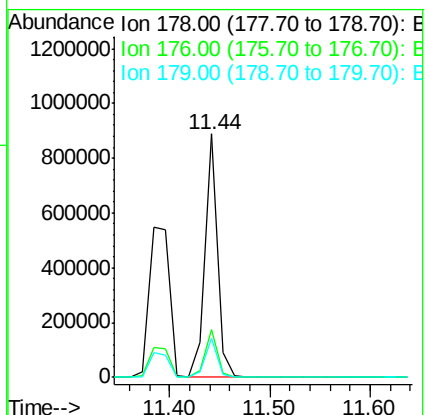
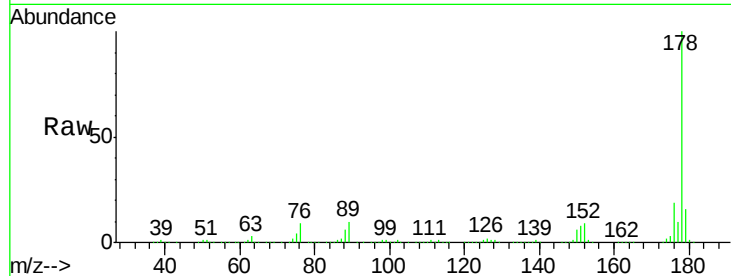
#71
 Anthracene
 Concen: 44.84 ng
 RT: 11.44 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.9	23.9
179	16.0	13.0	19.4

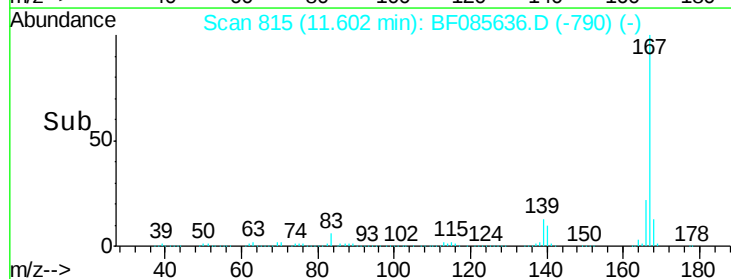
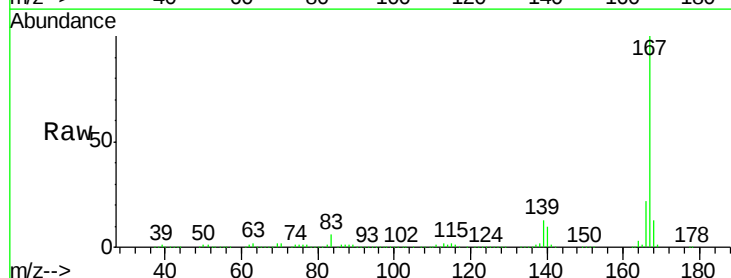
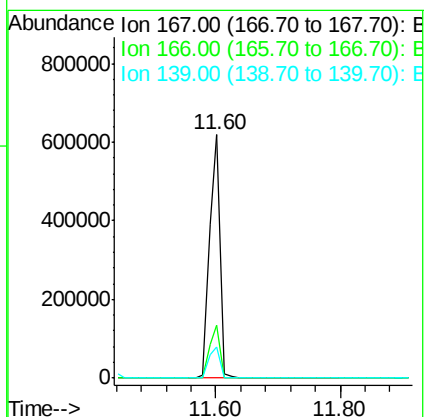
Manual Integrations
 APPROVED

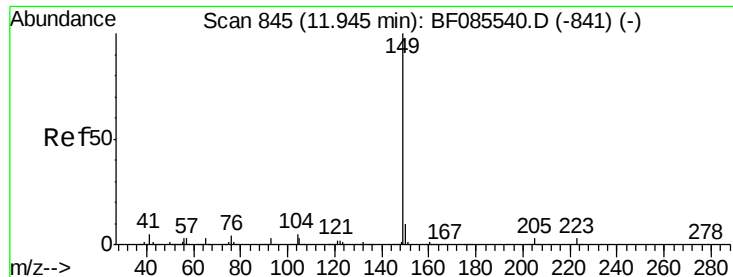
Sohil
 3/22/2016 5:33:55 PM



#72
 Carbazole
 Concen: 48.47 ng
 RT: 11.60 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.8	26.8
139	12.9	11.6	17.4





#73

Di-n-butylphthalate

Concen: 50.31 ng

RT: 11.93 min Scan# 844

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

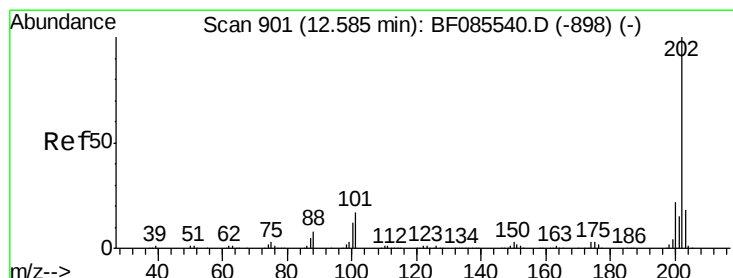
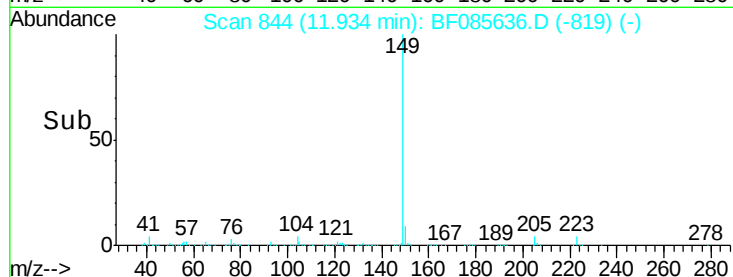
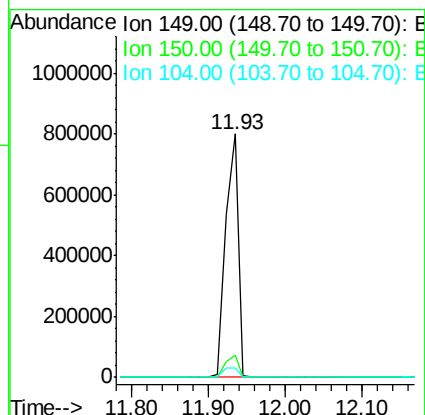
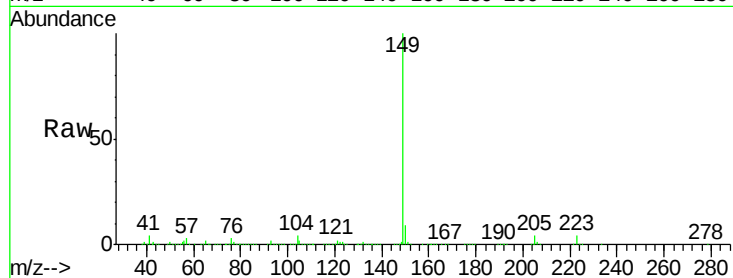
ClientSampleId :

BOTTOM(7)MSD

Tgt Ion:	149	Resp:	930637
Ion Ratio	Lower	Upper	
149	100		
150	9.0	7.6	11.4
104	3.9	3.8	5.8

Manual Integrations
APPROVED

Sohil
3/22/2016 5:33:55 PM



#74

Fluoranthene

Concen: 38.48 ng

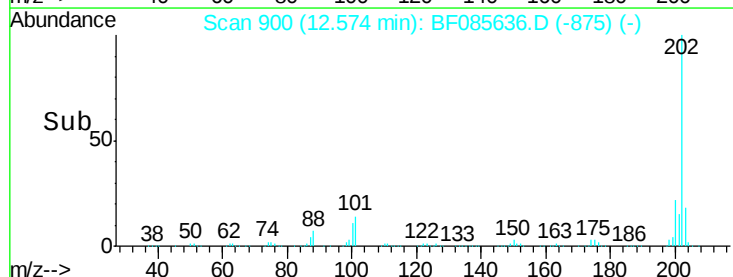
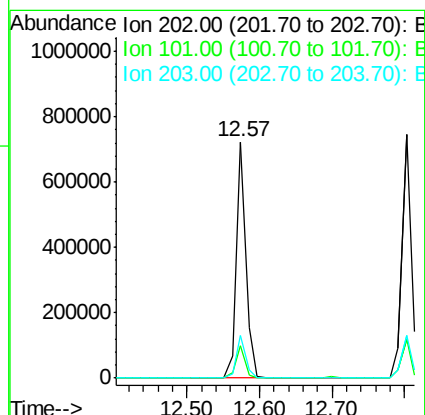
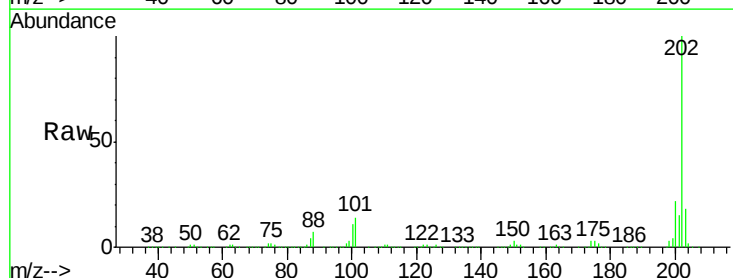
RT: 12.57 min Scan# 900

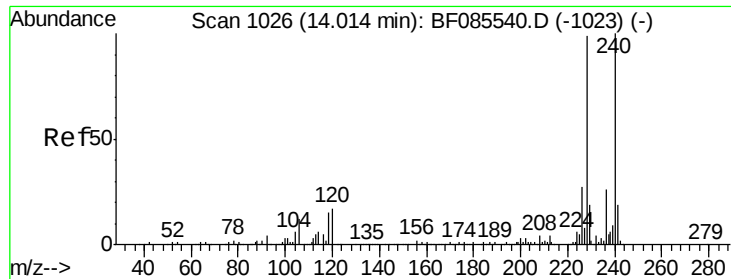
Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Tgt Ion:	202	Resp:	657941
Ion Ratio	Lower	Upper	
202	100		
101	14.0	0.0	36.6
203	18.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

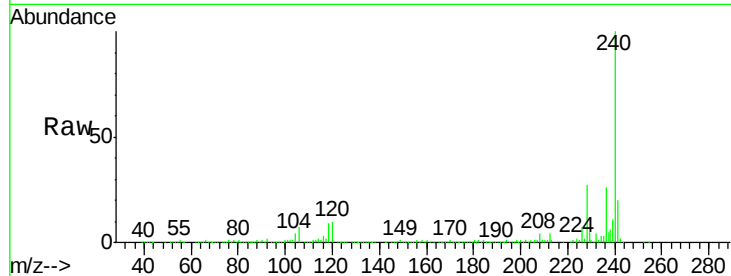
ClientSampleId :

BOTTOM(7)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	243147		
120	10.3	13.8	20.8#	
236	26.3	20.6	30.8	

Manual Integrations
APPROVED

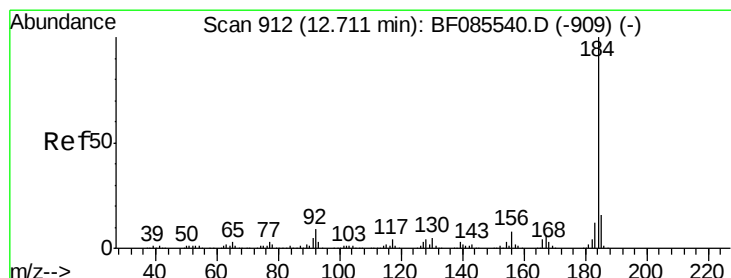
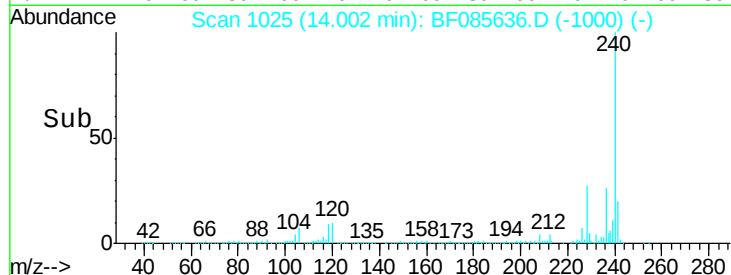
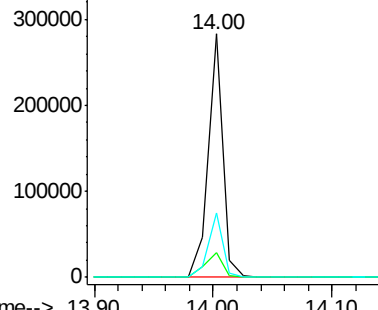
Sohil
3/22/2016 5:33:55 PM



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 56.29 ng

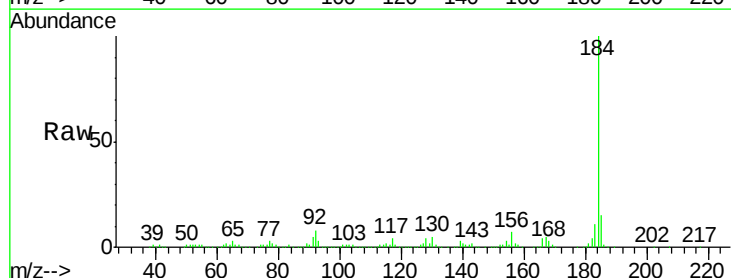
RT: 12.70 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

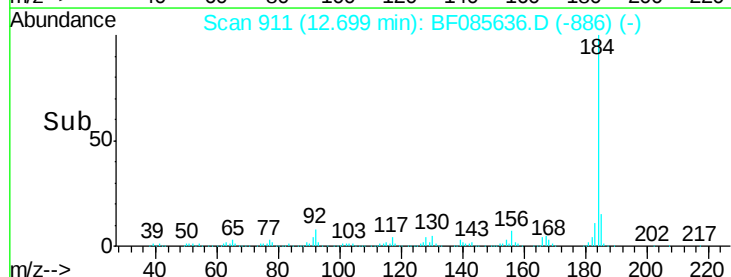
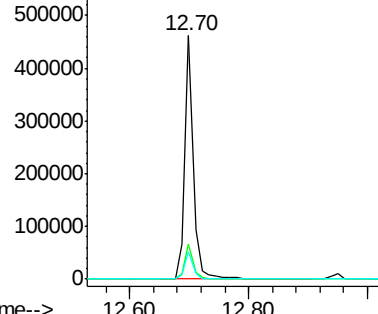
Tgt Ion	Ratio	Resp	Lower	Upper
184	100	460273		
185	14.5	12.4	18.6	
183	11.4	9.4	14.2	

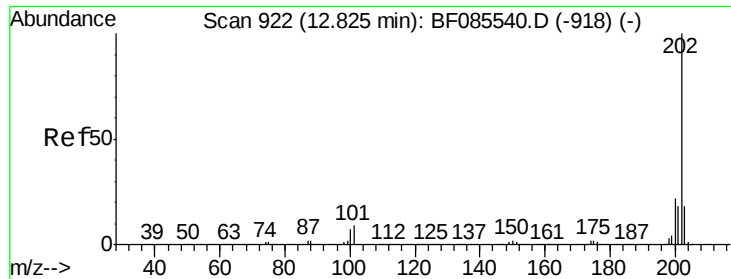


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





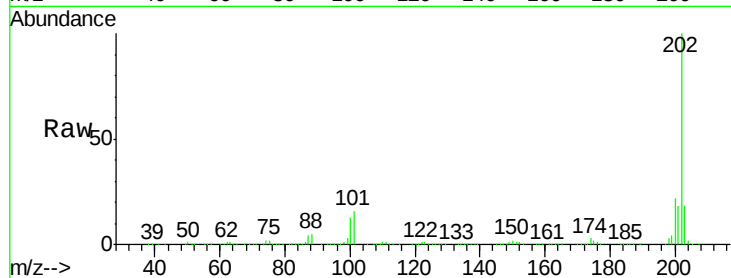
#77
Pyrene
 Concen: 38.95 ng
 RT: 12.80 min Scan# 920
 Delta R.T. -0.02 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD

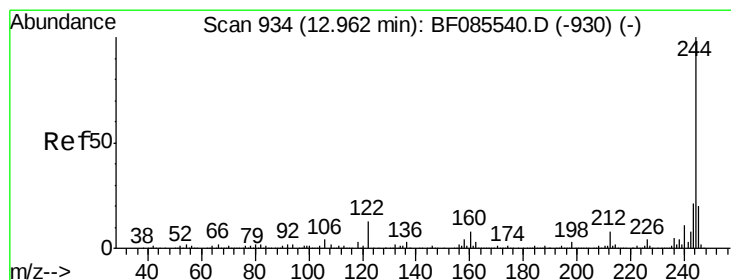
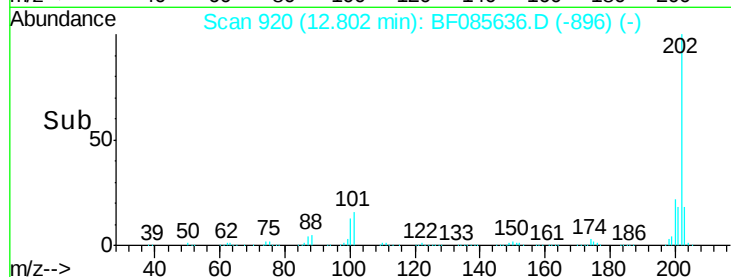
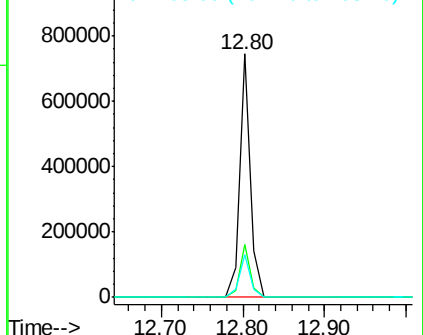
Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.6	17.6	26.4
203	17.7	14.0	21.0

Manual Integrations
 APPROVED

Sohil
 3/22/2016 5:33:55 PM

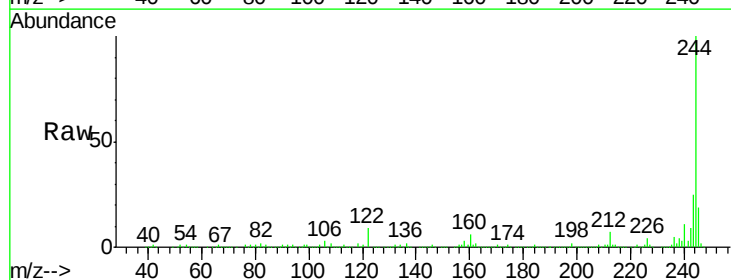


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

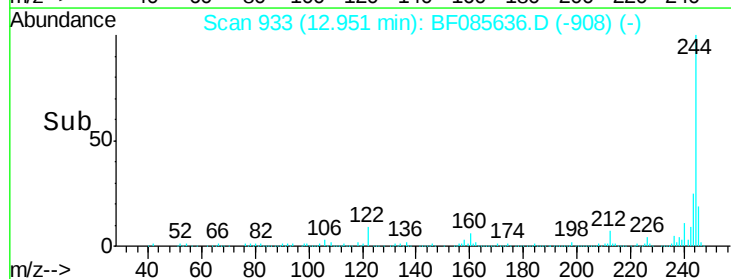
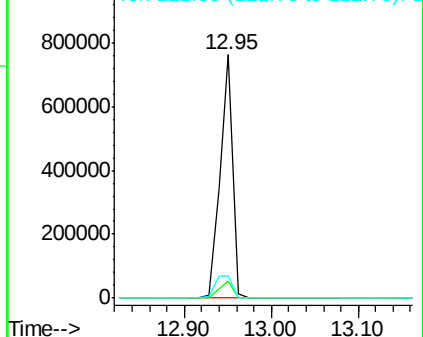


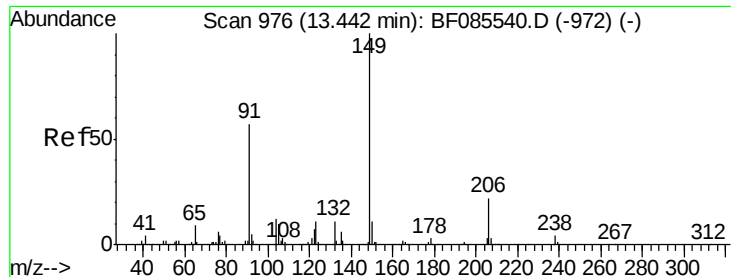
#78
Terphenyl-d14
 Concen: 77.10 ng
 RT: 12.95 min Scan# 933
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.9	6.1	9.1
122	9.1	10.2	15.4#



Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E





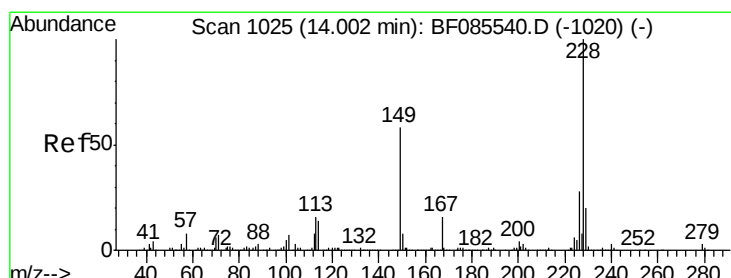
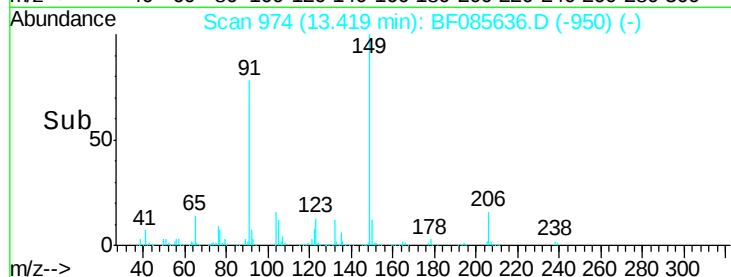
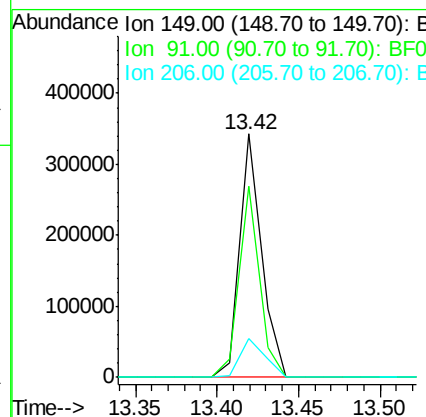
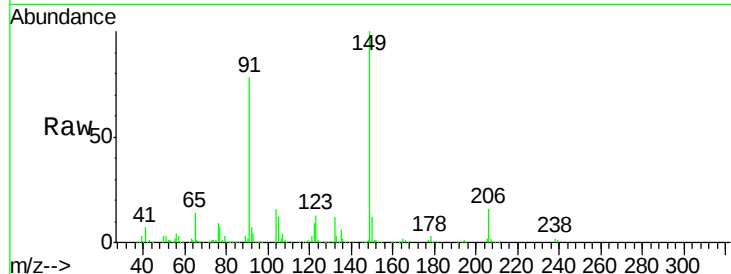
#79
Butylbenzylphthalate
Concen: 37.90 ng
RT: 13.42 min Scan# 974
Delta R.T. -0.02 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
91	78.4	45.8	68.8#
206	16.1	17.8	26.8#

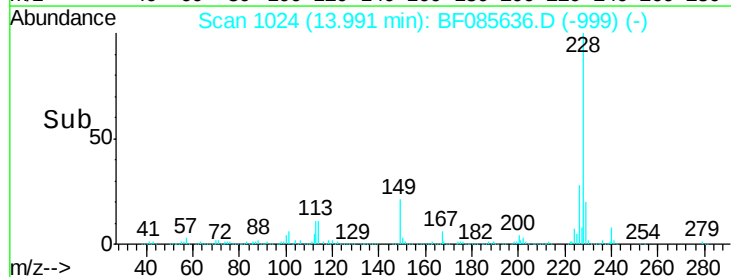
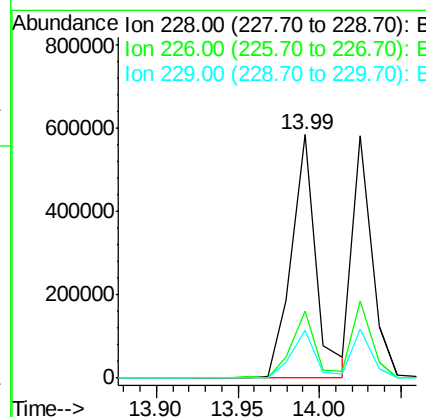
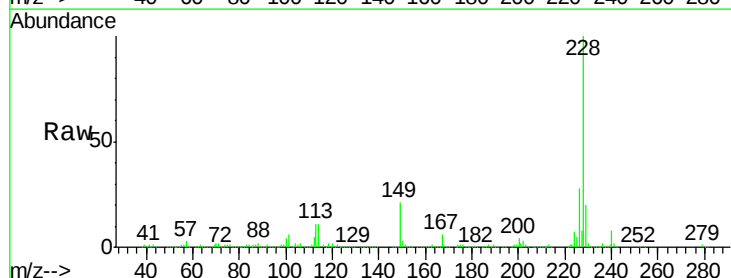
Manual Integrations
APPROVED

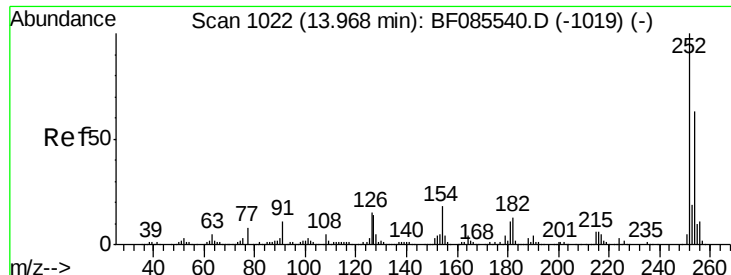
Sohil
3/22/2016 5:33:55 PM



#80
Benzo(a)anthracene
Concen: 43.84 ng
RT: 13.99 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	27.5	22.1	33.1
229	19.6	16.2	24.4





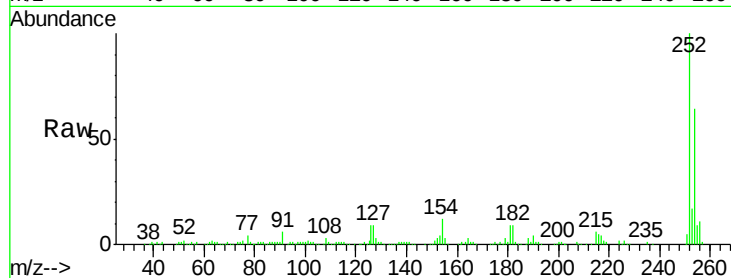
#81
 3,3'-Dichlorobenzidine
 Concen: 35.76 ng
 RT: 13.96 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Instrument :
 BNA_F
 ClientSampleId :
 BOTTOM(7)MSD

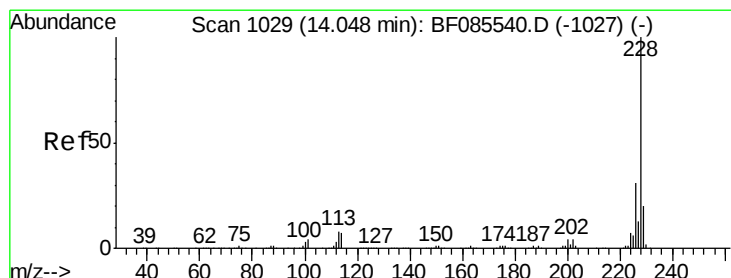
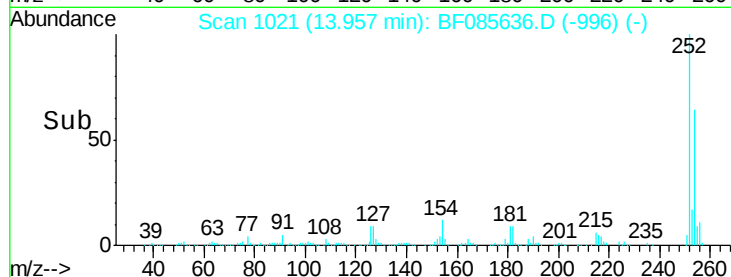
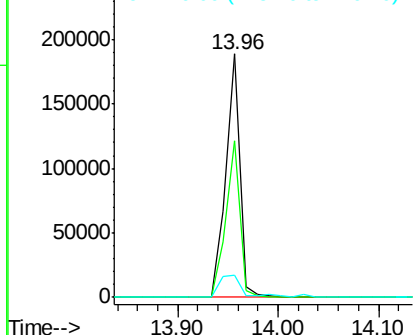
Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	64.2	50.7	76.1
126	9.2	11.8	17.6

Manual Integrations
 APPROVED

Sohil
 3/22/2016 5:33:55 PM

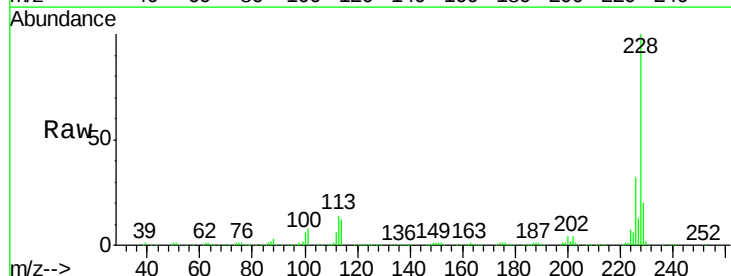


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

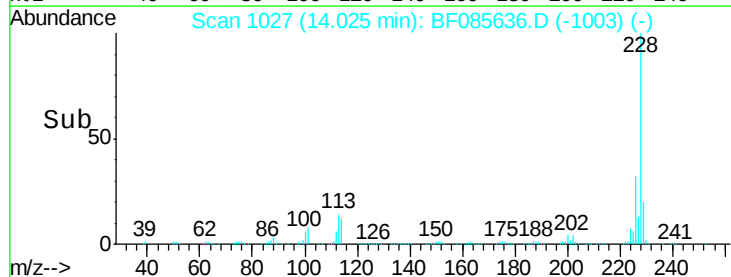
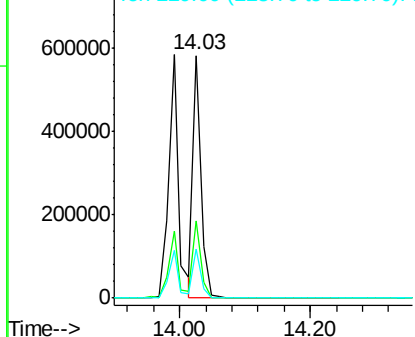


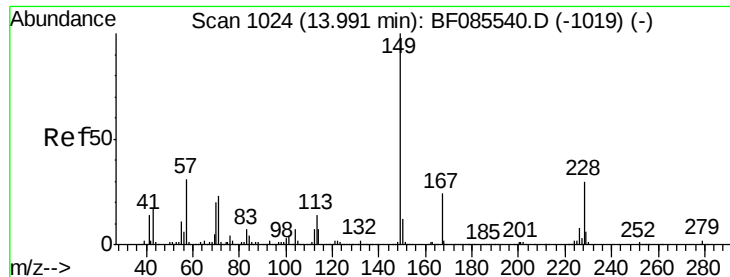
#82
 Chrysene
 Concen: 36.82 ng
 RT: 14.03 min Scan# 1027
 Delta R.T. -0.02 min
 Lab File: BF085636.D
 Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	31.8	25.0	37.6
229	20.3	15.7	23.5



Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 40.66 ng

RT: 13.98 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF085636.D

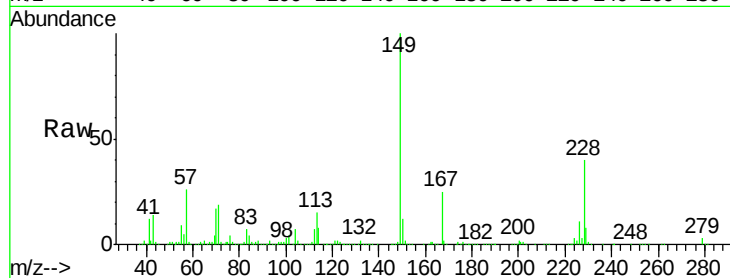
Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM(7)MSD



Tgt Ion:149 Resp: 420384

Ion Ratio Lower Upper

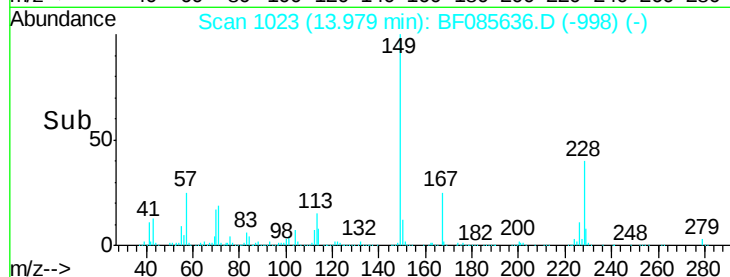
149 100

167 25.0 19.4 29.2

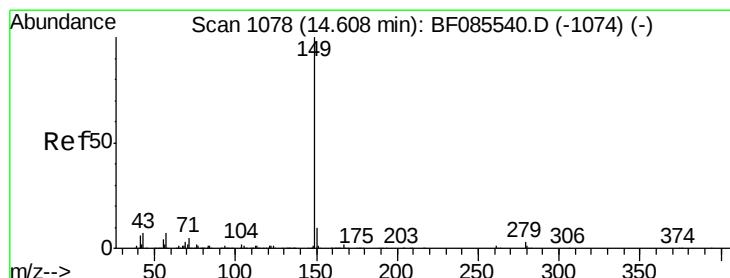
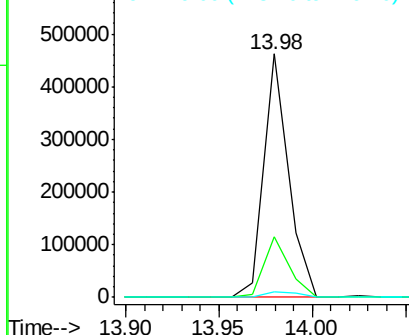
279 2.5 1.5 2.3#

Manual Integrations
APPROVED

Sohil
3/22/2016 5:33:55 PM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 45.88 ng

RT: 14.60 min Scan# 1077

Delta R.T. -0.01 min

Lab File: BF085636.D

Acq: 21 Mar 2016 21:50

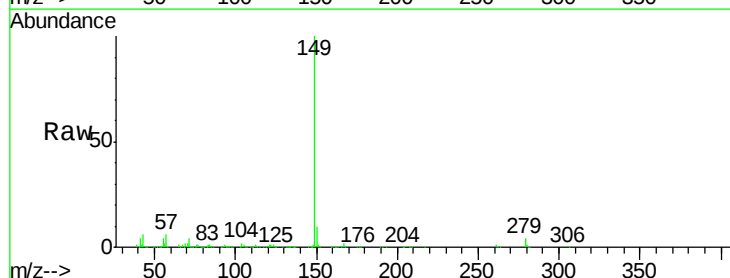
Tgt Ion:149 Resp: 772925

Ion Ratio Lower Upper

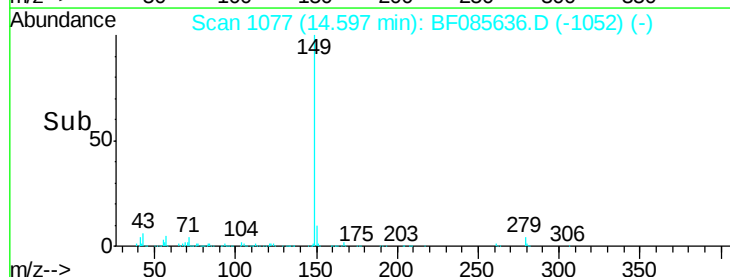
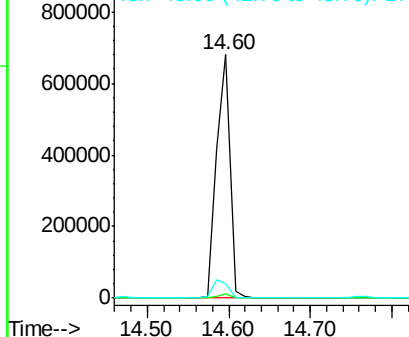
149 100

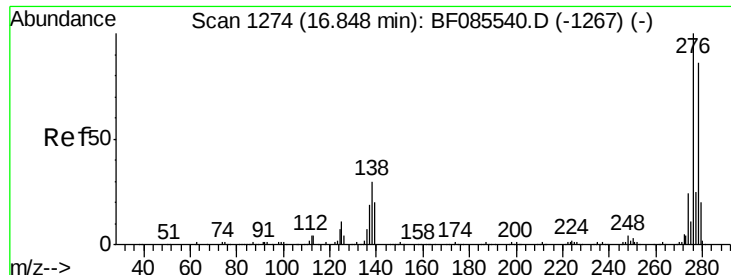
167 1.6 1.2 1.8

43 8.2 7.1 10.7



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0





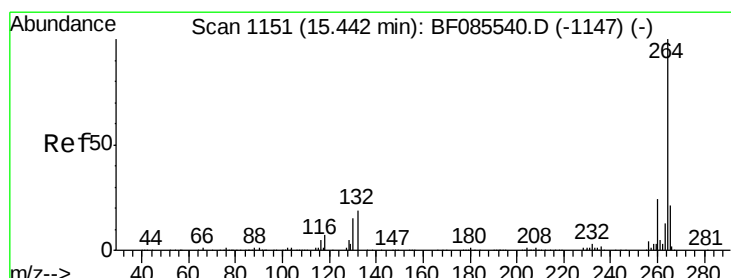
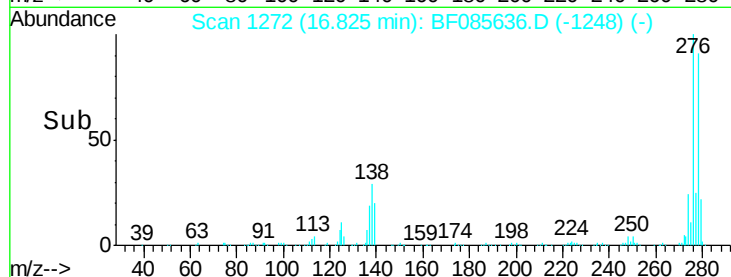
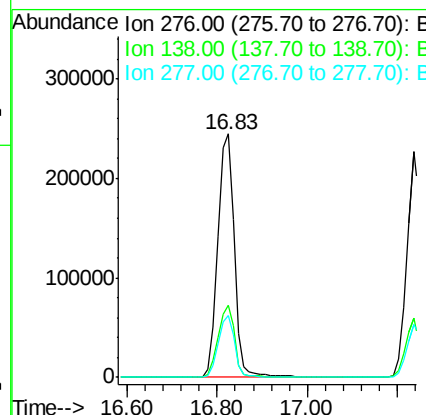
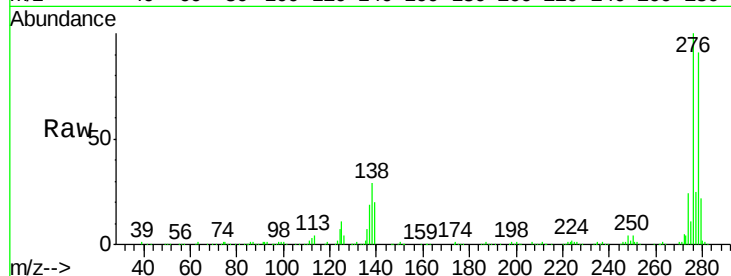
#85
Indeno(1,2,3-cd)pyrene
Concen: 55.56 ng
RT: 16.83 min Scan# 1272
Delta R.T. -0.02 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	630419		
138	29.6	24.2	36.4	
277	25.1	20.0	30.0	

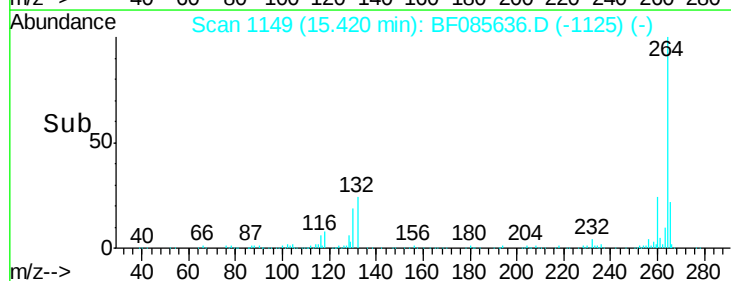
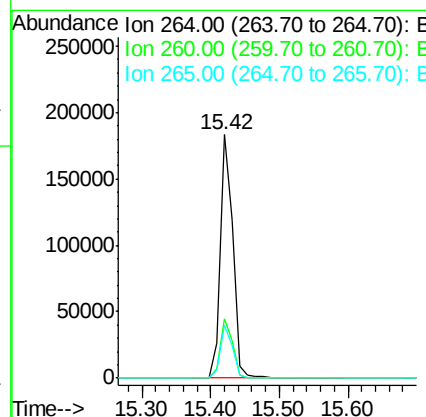
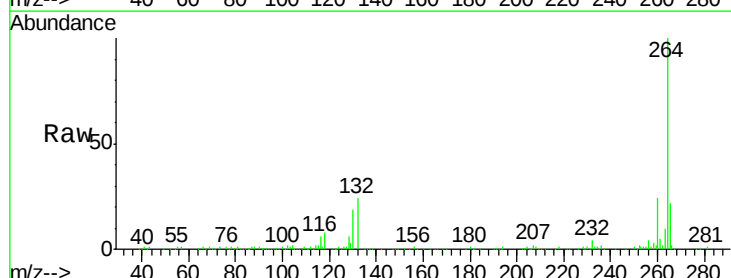
Manual Integrations
APPROVED

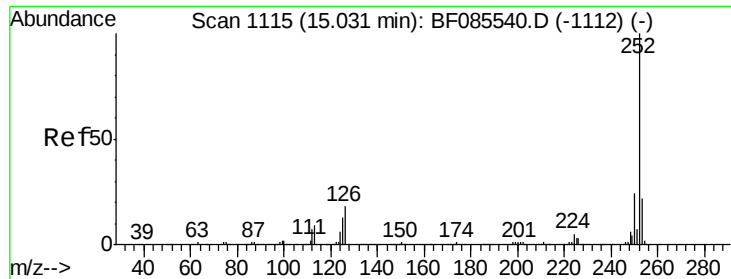
Sohil
3/22/2016 5:33:55 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	237547		
260	24.3	19.4	29.2	
265	21.8	17.2	25.8	





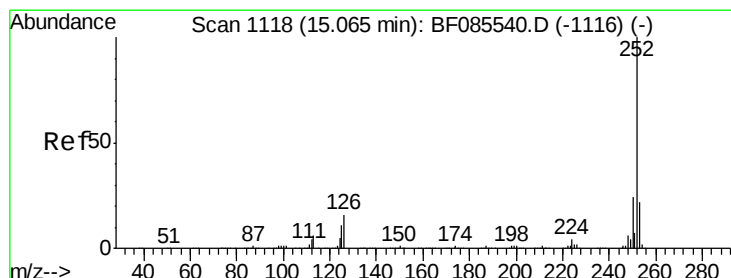
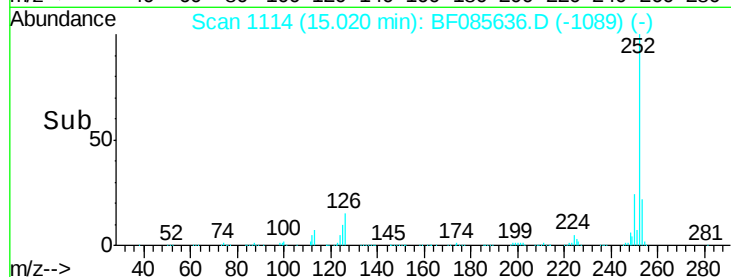
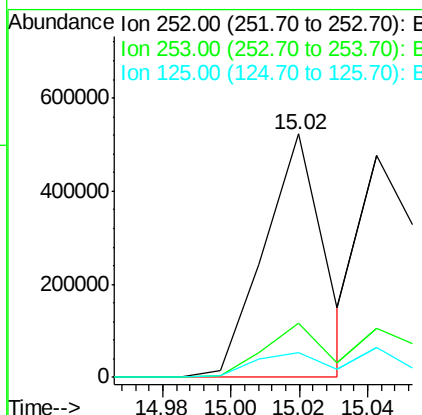
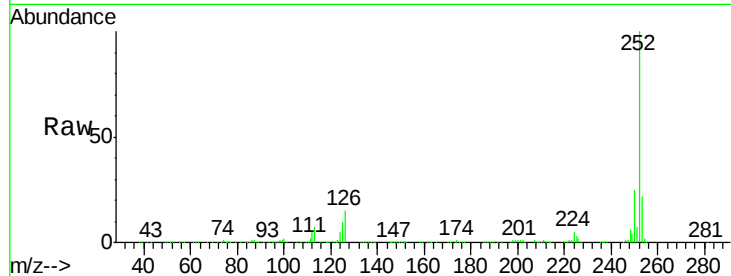
#87
Benzo(b)fluoranthene
Concen: 41.16 ng m
RT: 15.02 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.2	10.3	15.5#

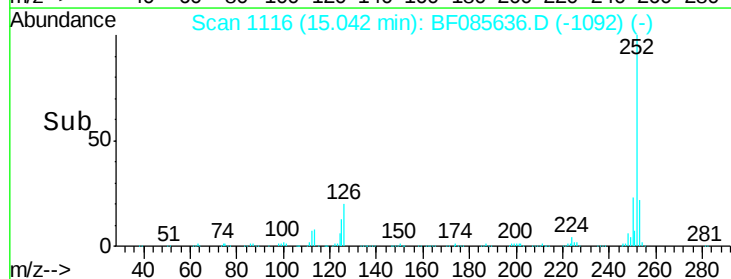
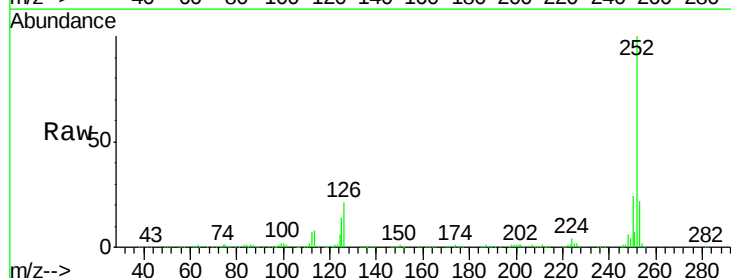
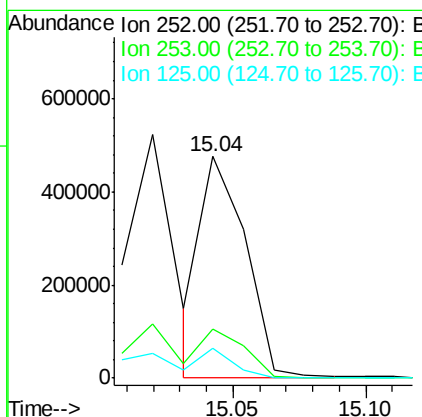
Manual Integrations
APPROVED

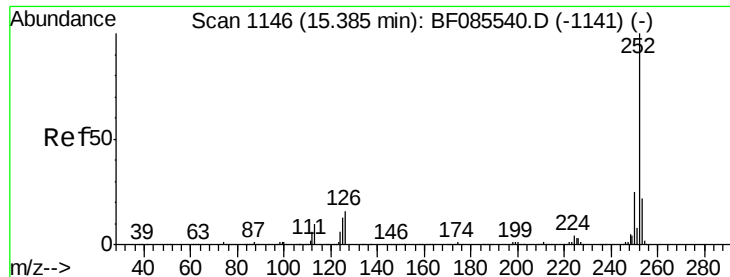
Sohil
3/22/2016 5:33:55 PM



#88
Benzo(k)fluoranthene
Concen: 44.20 ng m
RT: 15.04 min Scan# 1116
Delta R.T. -0.02 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	13.6	7.7	11.5#





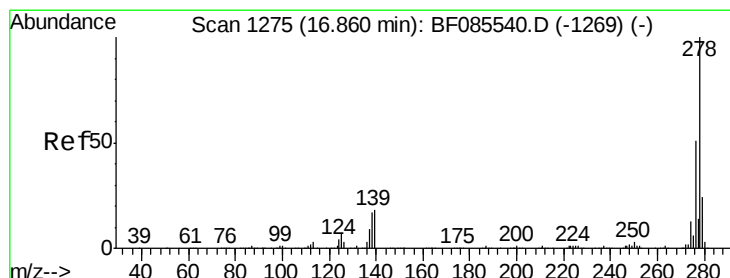
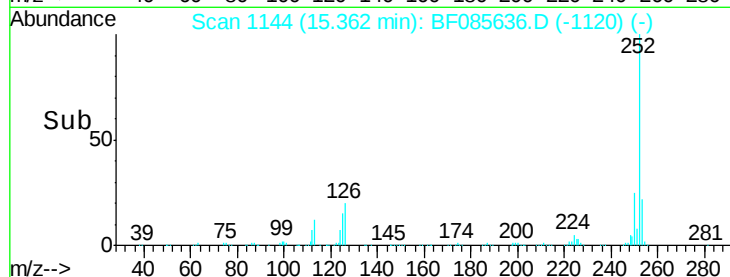
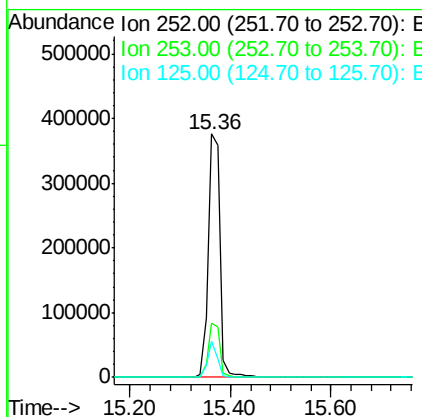
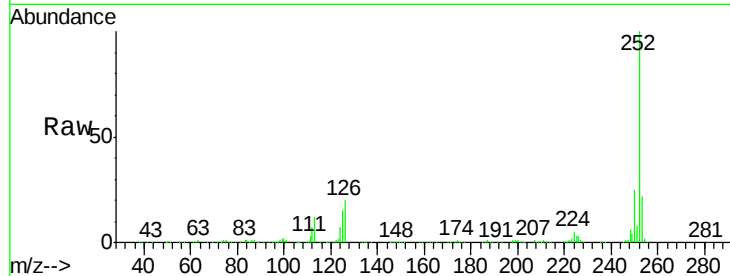
#89
Benzo(a)pyrene
Concen: 45.82 ng
RT: 15.36 min Scan# 1144
Delta R.T. -0.02 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Instrument :
BNA_F
ClientSampleId :
BOTTOM(7)MSD

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	14.8	10.3	15.5

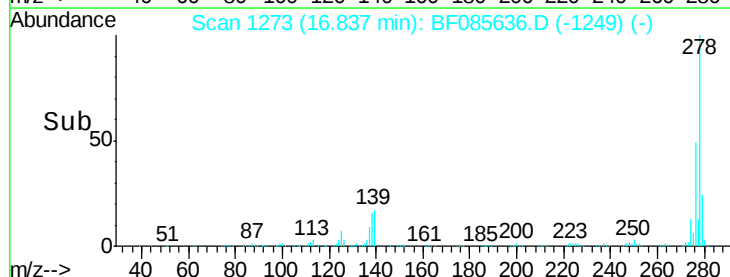
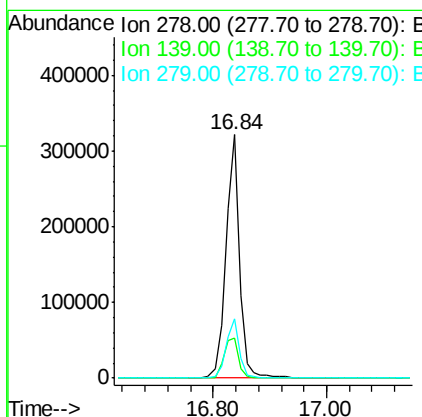
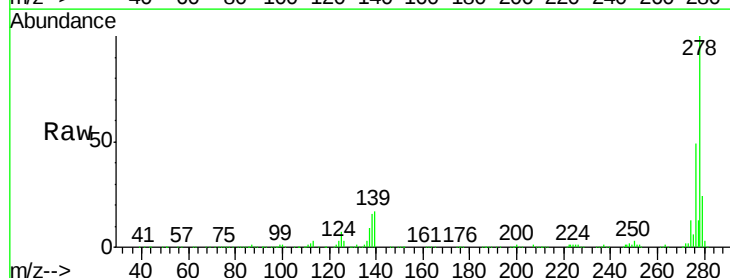
Manual Integrations
APPROVED

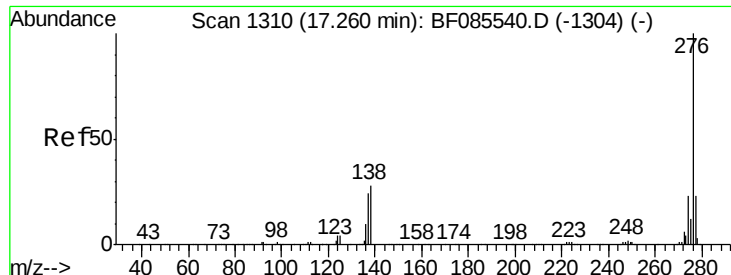
Sohil
3/22/2016 5:33:55 PM



#90
Dibenzo(a,h)anthracene
Concen: 49.45 ng
RT: 16.84 min Scan# 1273
Delta R.T. -0.02 min
Lab File: BF085636.D
Acq: 21 Mar 2016 21:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.6	14.4	21.6
279	24.3	19.1	28.7





#91

Benzo(g,h,i)perylene

Concen: 46.93 ng

RT: 17.24 min Scan# 1308

Delta R.T. -0.02 min

Lab File: BF085636.D

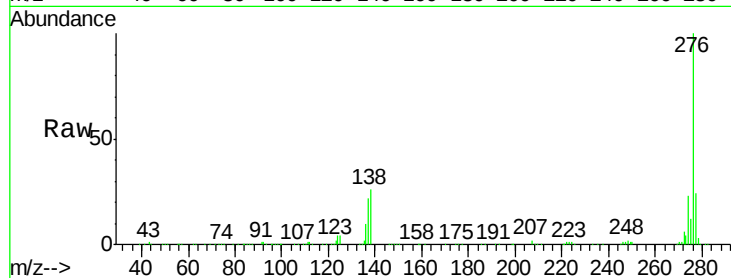
Acq: 21 Mar 2016 21:50

Instrument :

BNA_F

ClientSampleId :

BOTTOM(7)MSD



Tgt	Ion	276	Resp:	497891
Ion	Ratio	100	Lower	Upper
276	100			
277	23.7	18.8	28.2	
138	26.0	22.6	34.0	

Manual Integrations
APPROVED

Sohil
3/22/2016 5:33:55 PM

