

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
 Data File : BF091580.D
 Acq On : 14 Dec 2016 12:34
 Operator : UM/SJ
 Sample : PB95306BSD
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB95306BSD

Manual Integrations
 APPROVED

sohil
 12/15/2016 5:39:10 PM

Quant Time: Dec 15 00:27:50 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	300957	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	1182661	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	588630	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	833620	20.00	ng	-0.01
75) Chrysene-d12	13.96	240	547454	20.00	ng	0.00
86) Perylene-d12	15.38	264	581009	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.41	112	2208720	123.64	ng	0.00
7) Phenol-d6	6.45	99	2981078	133.86	ng	0.00
23) Nitrobenzene-d5	7.37	82	1930820	91.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	573348	117.27	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	2983798	87.59	ng	-0.01
78) Terphenyl-d14	12.91	244	2082171	86.30	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.43	88	335630	35.60	ng	87
3) Pyridine	3.13	79	909839	36.22	ng	# 80
4) n-Nitrosodimethylamine	3.08	42	472064	43.74	ng	# 66
6) Aniline	6.46	93	679466	23.27	ng	# 27
8) 2-Chlorophenol	6.59	128	856030	42.46	ng	93
9) Benzaldehyde	6.34	77	154942	10.11	ng	92
10) Phenol	6.46	94	1224250	47.02	ng	95
11) bis(2-Chloroethyl)ether	6.54	93	923341	47.20	ng	85
12) 1,3-Dichlorobenzene	6.74	146	885882m	40.51	ng	
13) 1,4-Dichlorobenzene	6.82	146	906955	42.05	ng	97
14) 1,2-Dichlorobenzene	6.98	146	854161	43.95	ng	92
15) Benzyl Alcohol	6.94	79	756753	43.04	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.09	45	1374369	45.34	ng	81
17) 2-Methylphenol	7.07	107	733605	43.97	ng	# 76
18) Hexachloroethane	7.32	117	360214	42.80	ng	100
19) n-Nitroso-di-n-propylamine	7.23	70	658950	47.32	ng	# 73
20) 3+4-Methylphenols	7.22	107	867800	48.40	ng	# 55
22) Acetophenone	7.22	105	1225870	43.26	ng	# 94
24) Nitrobenzene	7.39	77	1030408	46.03	ng	# 85
25) Isophorone	7.63	82	1732521	45.99	ng	100
26) 2-Nitrophenol	7.71	139	482923	48.87	ng	# 71
27) 2,4-Dimethylphenol	7.76	122	865760	49.88	ng	92
28) bis(2-Chloroethoxy)methane	7.85	93	1144613	51.80	ng	99
29) 2,4-Dichlorophenol	7.95	162	686652	45.47	ng	99
30) 1,2,4-Trichlorobenzene	8.03	180	739440	43.09	ng	99
31) Naphthalene	8.11	128	2327744	42.30	ng	100
32) Benzoic acid	7.88	122	544082	44.13	ng	93
33) 4-Chloroaniline	8.16	127	268041	11.31	ng	98
34) Hexachlorobutadiene	8.24	225	432456	43.96	ng	98
35) Caprolactam	8.53	113	210117	47.65	ng	# 64
36) 4-Chloro-3-methylphenol	8.66	107	793202	46.84	ng	93
37) 2-Methylnaphthalene	8.81	142	1640798	46.07	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.97	216	609951	37.78	ng	98
40) Hexachlorocyclopentadiene	8.96	237	745883	103.63	ng	99

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\
 Data File : BF091580.D
 Acq On : 14 Dec 2016 12:34
 Operator : UM/SJ
 Sample : PB95306BSD
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB95306BSD

Manual Integrations
 APPROVED

sohil
 12/15/2016 5:39:10 PM

Quant Time: Dec 15 00:27:50 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 19:00:21 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.08	196	464970	44.82	nq	99
43) 2,4,5-Trichlorophenol	9.13	196	446045	41.84	nq #	86
45) 1,1'-Biphenyl	9.26	154	1826821	42.85	nq	99
46) 2-Chloronaphthalene	9.29	162	1409246	42.68	nq	97
47) 2-Nitroaniline	9.39	65	492576	44.37	nq	94
48) Acenaphthylene	9.71	152	2247905	44.67	nq	99
49) Dimethylphthalate	9.57	163	1479284	39.69	nq	98
50) 2,6-Dinitrotoluene	9.63	165	324256	39.64	nq	93
51) Acenaphthene	9.88	154	1612313	46.13	nq	97
52) 3-Nitroaniline	9.80	138	176023	18.32	nq	83
53) 2,4-Dinitrophenol	9.90	184	324527	71.01	nq	89
54) Dibenzofuran	10.05	168	1944374	44.96	nq	98
55) 4-Nitrophenol	9.97	139	577118	80.72	nq	90
56) 2,4-Dinitrotoluene	10.03	165	425126	41.46	nq #	52
57) Fluorene	10.40	166	1487887	48.54	nq	98
58) 2,3,4,6-Tetrachlorophenol	10.17	232	357079	42.79	nq	92
59) Diethylphthalate	10.27	149	1490608	41.53	nq	98
60) 4-Chlorophenyl-phenylether	10.38	204	612146	39.37	nq #	81
61) 4-Nitroaniline	10.41	138	314940	32.98	nq	91
62) Azobenzene	10.54	77	1764194	43.38	nq	89
64) 4,6-Dinitro-2-methylphenol	10.44	198	244629	48.30	nq #	60
65) n-Nitrosodiphenylamine	10.51	169	1317442	53.01	nq	100
66) 4-Bromophenyl-phenylether	10.88	248	418917	49.02	nq	92
67) Hexachlorobenzene	10.94	284	434239	48.86	nq #	94
68) Atrazine	11.04	200	369669	46.26	nq	99
69) Pentachlorophenol	11.14	266	482525	96.48	nq	95
70) Phenanthrene	11.36	178	2064922	50.02	nq	99
71) Anthracene	11.40	178	1964122	44.11	nq	99
72) Carbazole	11.56	167	1854370	47.51	nq	98
73) Di-n-butylphthalate	11.89	149	2009819	44.20	nq	98
74) Fluoranthene	12.53	202	1756843	40.64	nq	94
76) Benzidine	12.66	184	528863	31.24	nq	99
77) Pyrene	12.76	202	1765259	40.64	nq	99
79) Butylbenzylphthalate	13.39	149	829522	49.00	nq	95
80) Benzo(a)anthracene	13.95	228	1422903	44.75	nq	100
81) 3,3'-Dichlorobenzidine	13.92	252	351638	30.80	nq #	99
82) Chrysene	13.99	228	1312606	39.46	nq	99
83) Bis(2-ethylhexyl)phthalate	13.95	149	996598	45.88	nq	100
84) Di-n-octyl phthalate	14.57	149	1841858	49.96	nq #	92
85) Indeno(1,2,3-cd)pyrene	16.76	276	1786051	59.67	nq	99
87) Benzo(b)fluoranthene	14.98	252	1593979m	46.02	nq	
88) Benzo(k)fluoranthene	15.00	252	1261241m	41.41	nq	
89) Benzo(a)pyrene	15.32	252	1447430	46.39	nq	98
90) Dibenzo(a,h)anthracene	16.77	278	1453084	51.99	nq	98
91) Benzo(g,h,i)perylene	17.17	276	1545820	54.34	nq	96

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

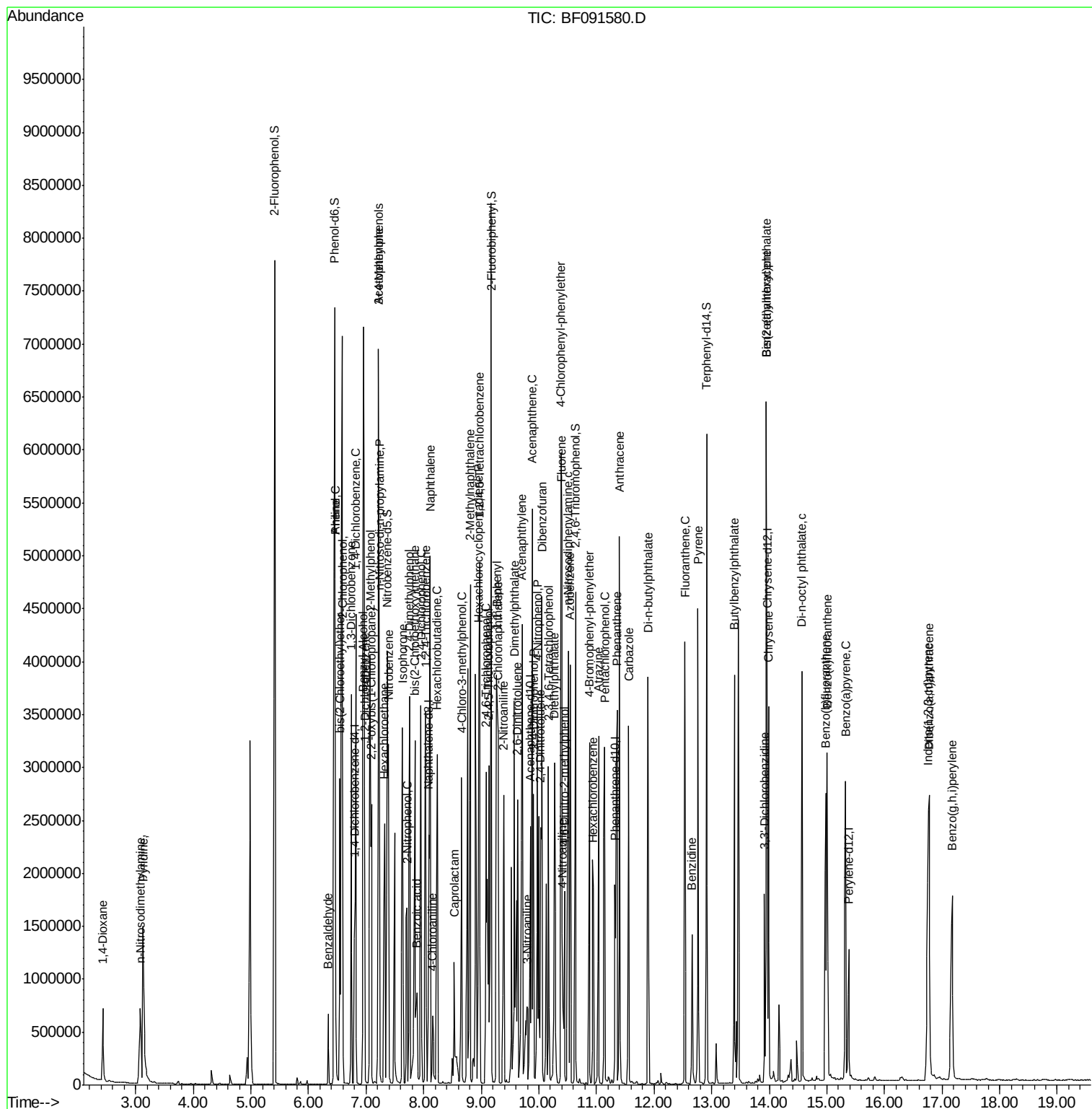
```
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121416\  
Data File : BF091580.D  
Acq On    : 14 Dec 2016 12:34  
Operator  : UM/SJ  
Sample    : PB95306BSD  
Misc      :  
ALS Vial  : 33      Sample Multiplier: 1
```

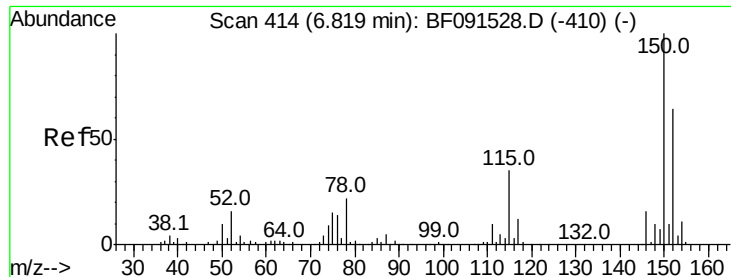
Instrument :
BNA_F
ClientSampleId :
PB95306BSD

Manual Integrations APPROVED

sohil
12/15/2016 5:39:10 PM

Quant Time: Dec 15 00:27:50 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 09 19:00:21 2016
Response via : Initial Calibration





#1

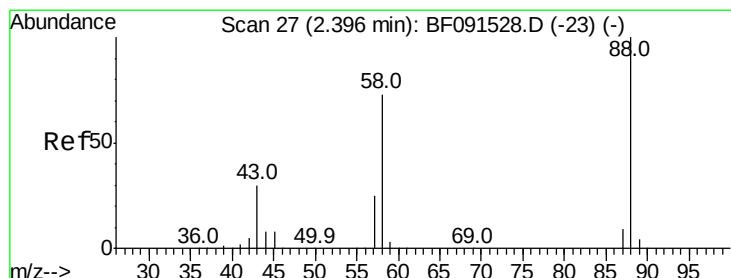
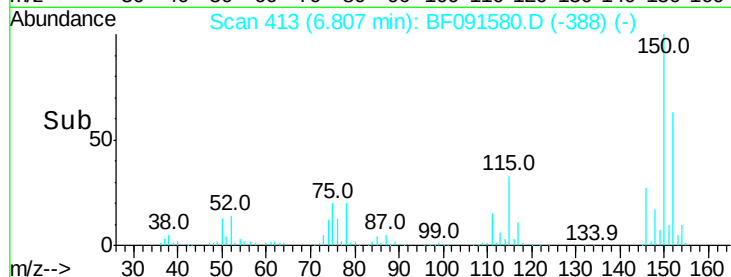
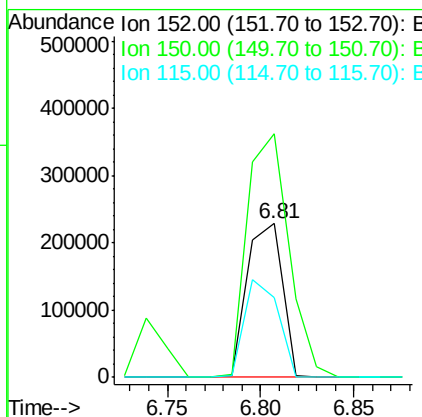
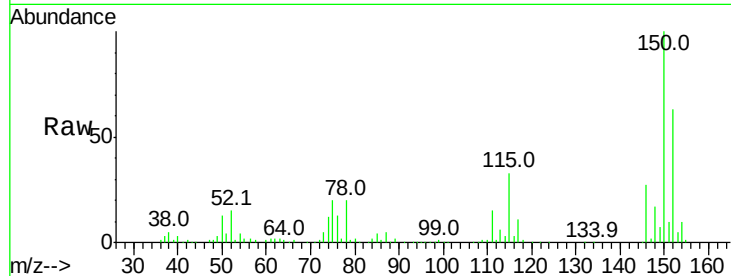
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 413
Delta R.T. -0.01 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Instrument :
BNA_F
ClientSampleId :
PB95306BSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	122.5	183.7
115	52.1	51.8	77.8

Manual Integrations
APPROVED

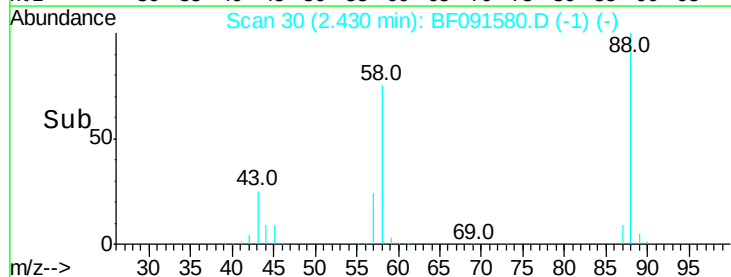
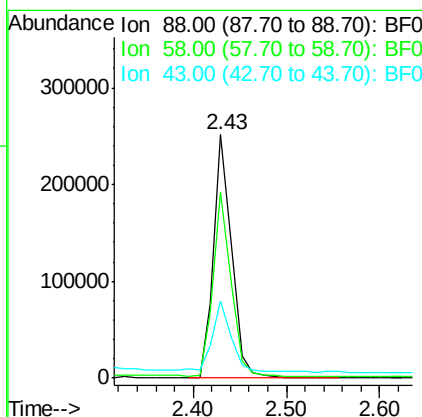
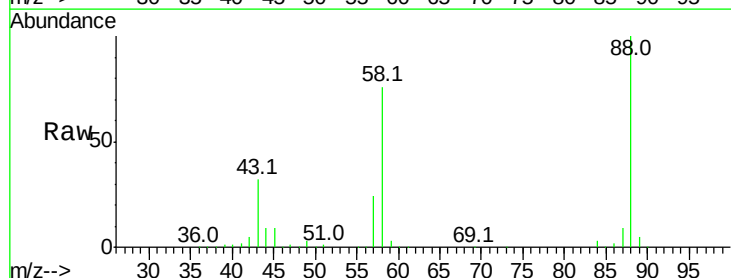
sohil
12/15/2016 5:39:10 PM

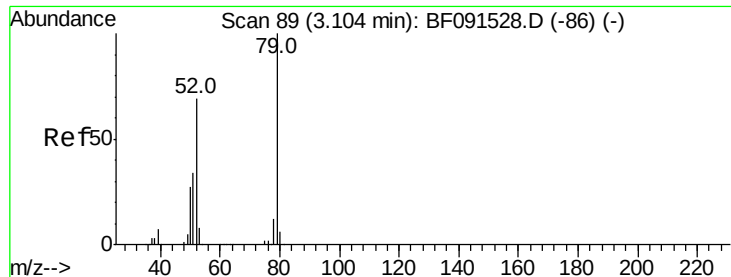


#2

1,4-Dioxane
Concen: 35.60 ng
RT: 2.43 min Scan# 30
Delta R.T. 0.03 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Tgt Ion	Ratio	Lower	Upper
88	100		
58	75.7	70.3	105.5
43	31.4	31.3	46.9





#3

Pvridine

Concen: 36.22 ng

RT: 3.13 min Scan# 91

Delta R.T. 0.02 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Instrument :

BNA_F

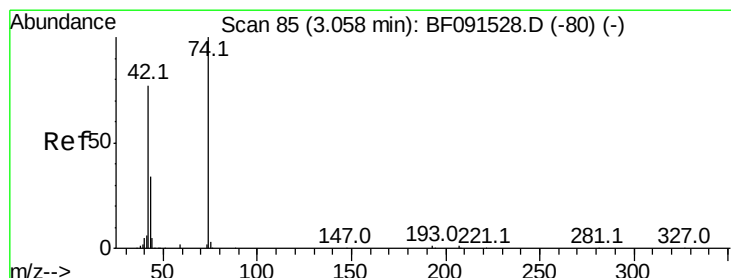
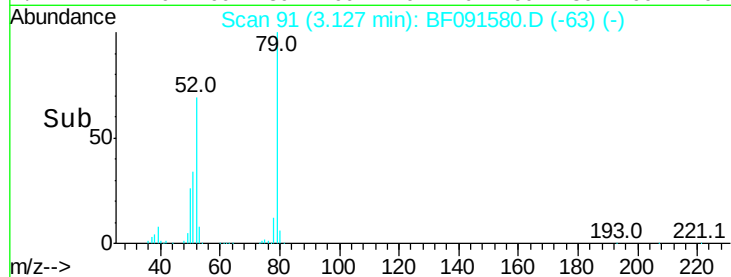
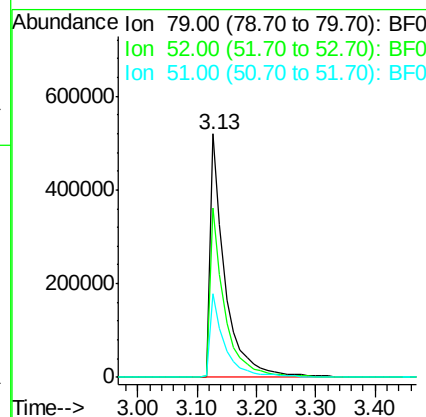
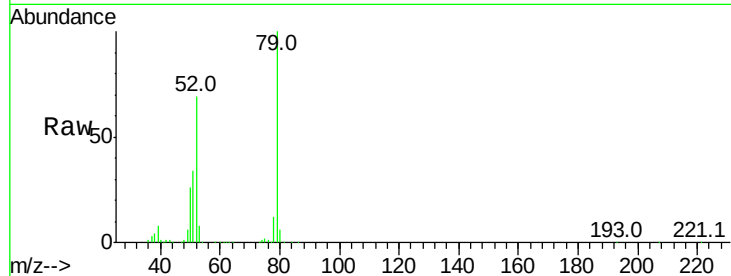
ClientSampleId :

PB95306BSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	69.4	71.0	106.4#
51	34.4	37.0	55.4#

Manual Integrations
APPROVED

sohil
12/15/2016 5:39:10 PM



#4

n-Nitrosodimethylamine

Concen: 43.74 ng

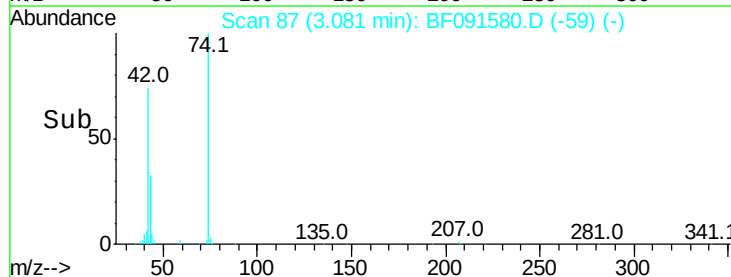
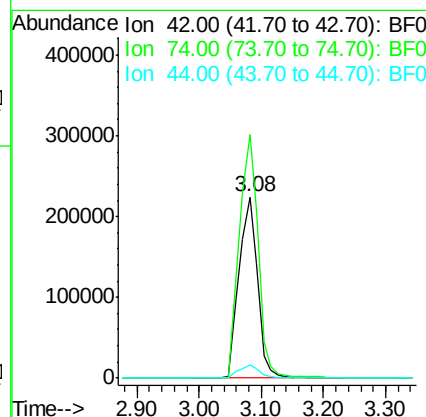
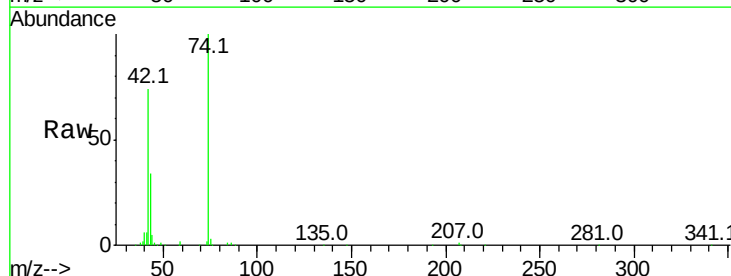
RT: 3.08 min Scan# 87

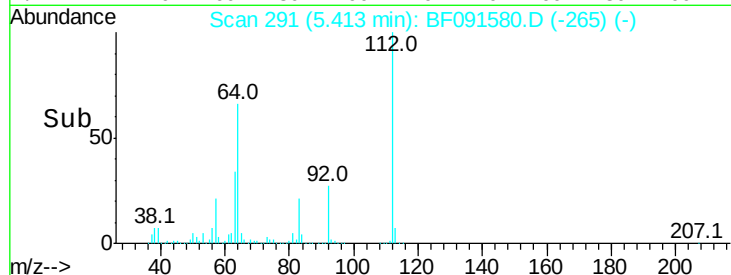
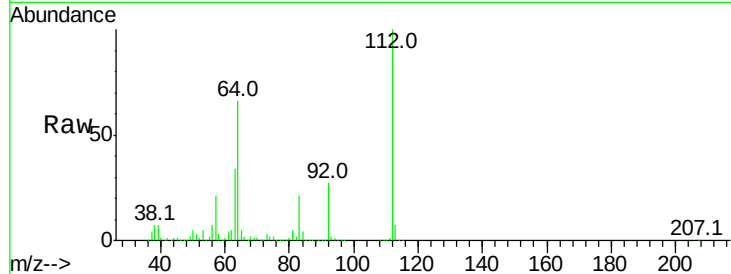
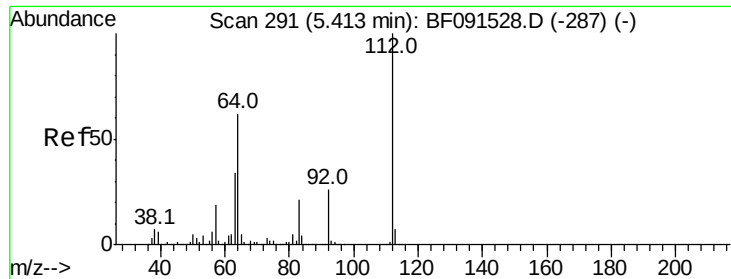
Delta R.T. 0.02 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Tgt Ion	Ratio	Lower	Upper
42	100		
74	134.5	78.9	118.3#
44	7.0	5.8	8.6





#5

2-Fluorophenol

Concen: 123.64 ng

RT: 5.41 min Scan# 291

Delta R.T. 0.00 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Instrument :

BNA_F

ClientSampleId :

PB95306BSD

Tot Ion:112 Resp: 2208720

Ion Ratio Lower Upper

112 100

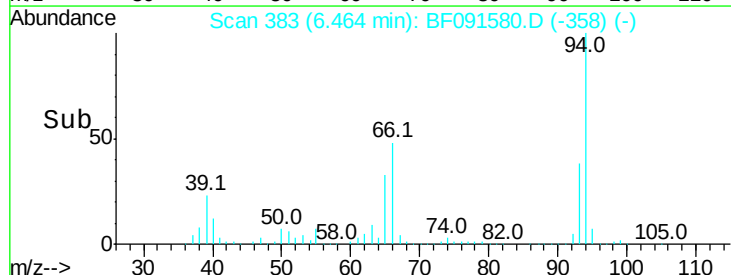
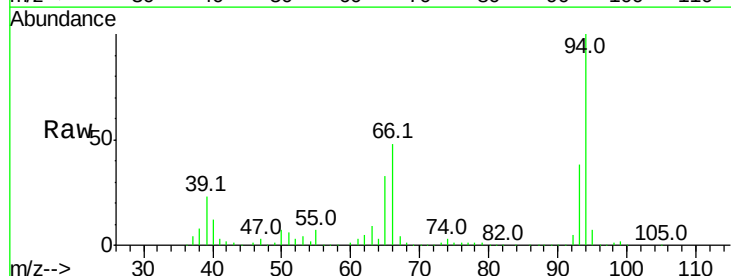
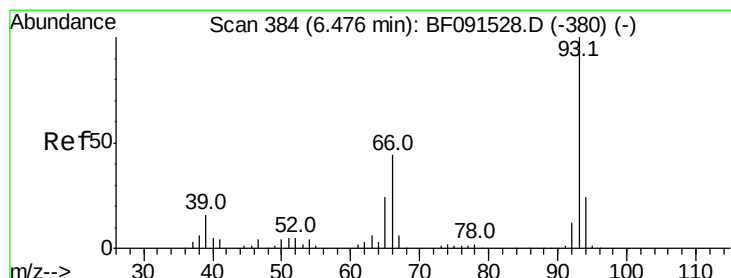
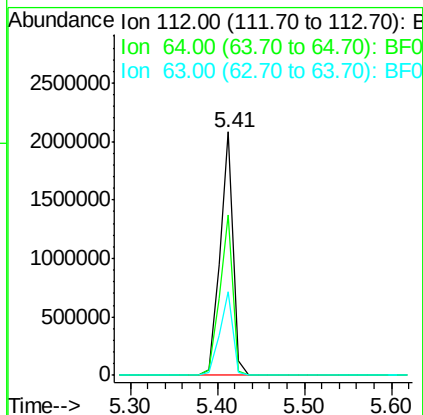
64 65.7 61.5 92.3

63 34.4 33.3 49.9

Manual Integrations

APPROVED

sohil
12/15/2016 5:39:10 PM



#6

Aniline

Concen: 23.27 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.01 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

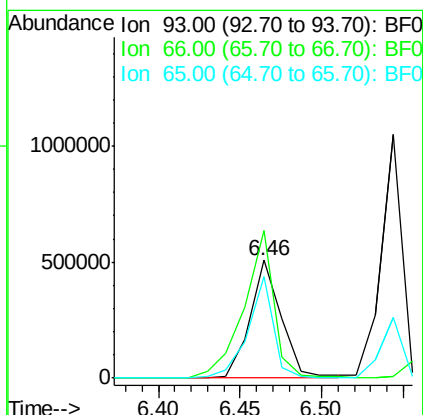
Tgt Ion: 93 Resp: 679466

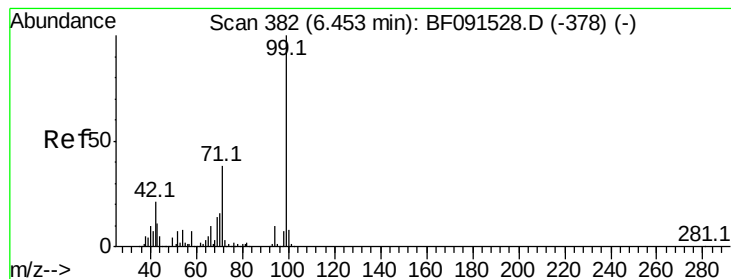
Ion Ratio Lower Upper

93 100

66 125.7 55.8 83.6#

65 86.1 29.9 44.9#





#7

Phenol-d6

Concen: 133.86 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.00 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Instrument :

BNA_F

ClientSampled :

PB95306BSD

Tot Ion: 99 Resp: 2981078

Ion Ratio Lower Upper

99 100

42 19.3 20.6 31.0#

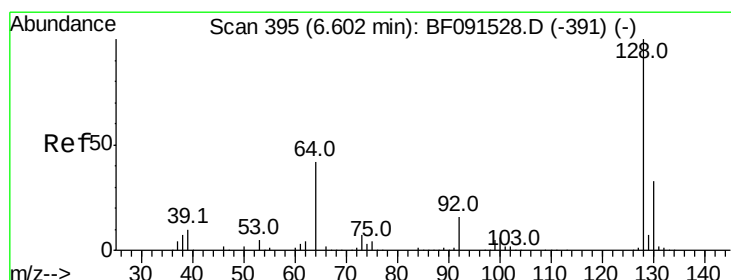
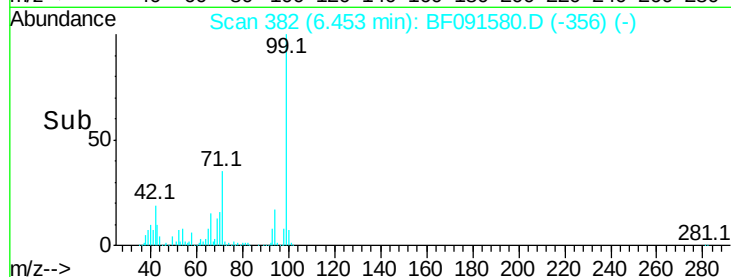
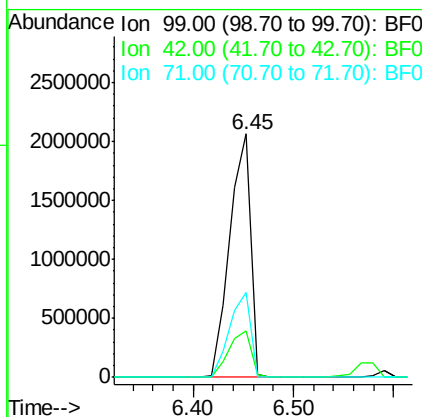
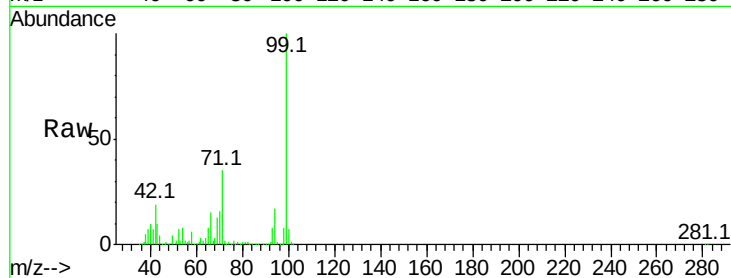
71 35.1 29.9 44.9

Manual Integrations

APPROVED

sohil

12/15/2016 5:39:10 PM



#8

2-Chlorophenol

Concen: 42.46 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.01 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

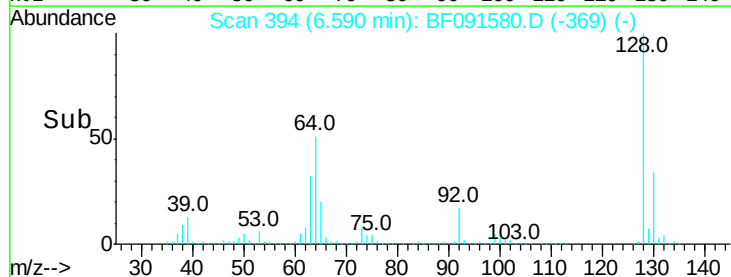
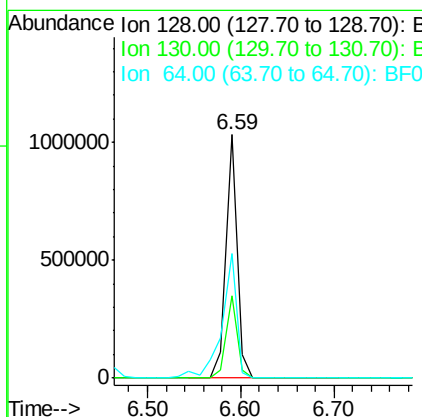
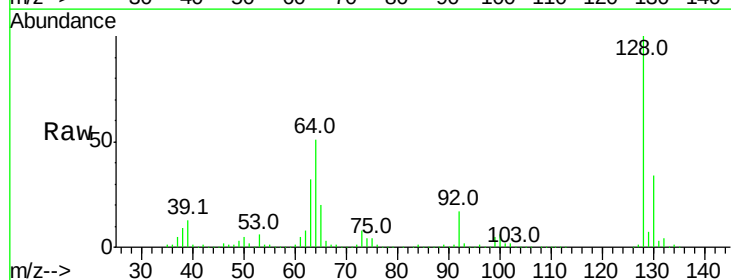
Tgt Ion: 128 Resp: 856030

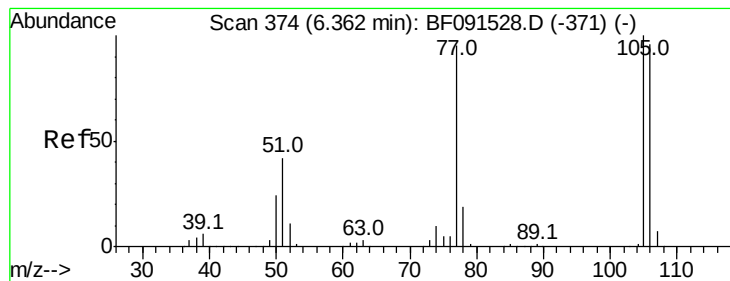
Ion Ratio Lower Upper

128 100

130 33.6 13.1 53.1

64 51.4 24.1 64.1





#9

Benzaldehyde

Concen: 10.11 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.02 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Instrument :

BNA_F

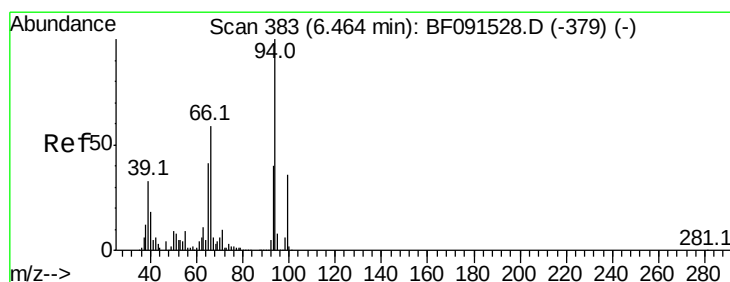
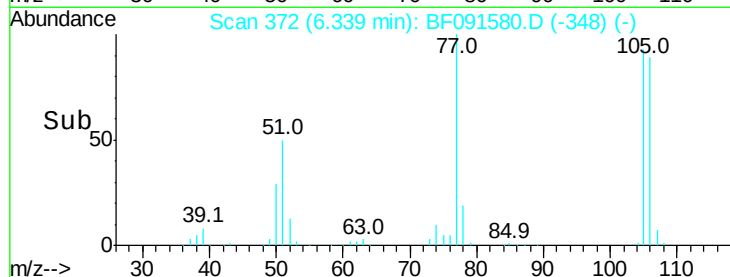
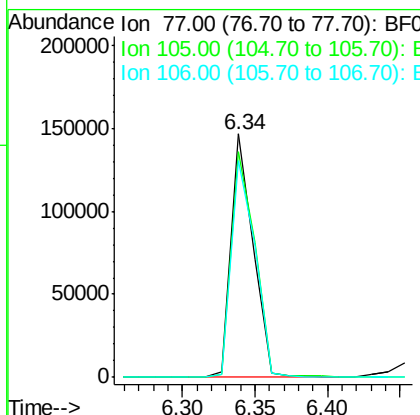
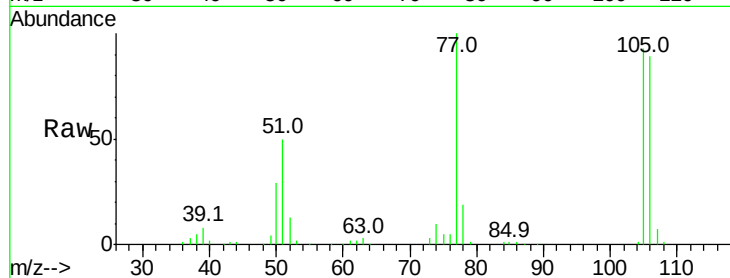
ClientSampleId :

PB95306BSD

Tot Ion:	77	Resp:	154942
Ion Ratio	Lower	Upper	
77	100		
105	92.8	66.4	106.4
106	88.9	60.9	100.9

Manual Integrations
APPROVED

sohil
12/15/2016 5:39:10 PM



#10

Phenol

Concen: 47.02 ng

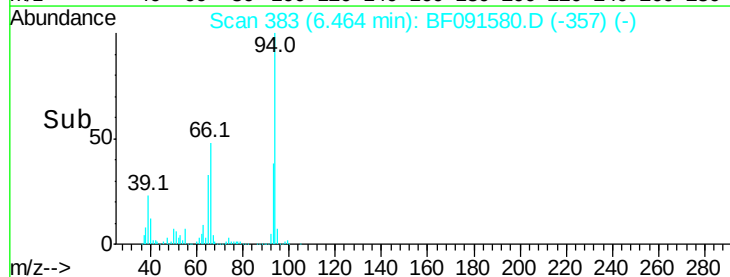
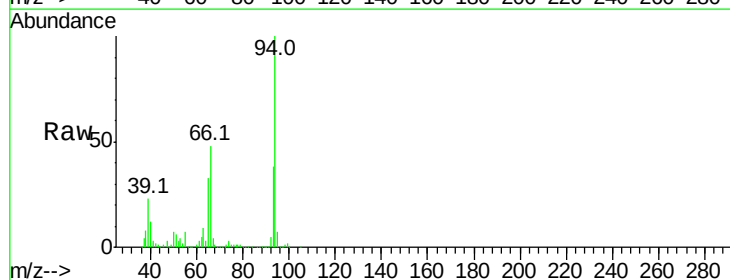
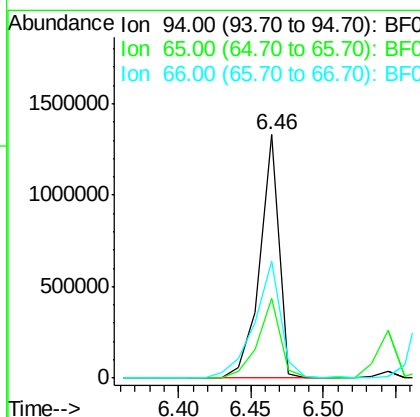
RT: 6.46 min Scan# 383

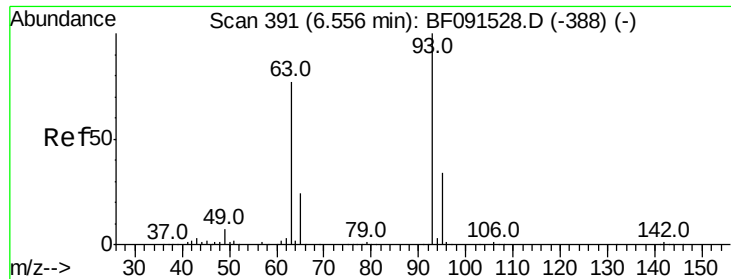
Delta R.T. -0.00 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Tgt Ion:	94	Resp:	1224250
Ion Ratio	Lower	Upper	
94	100		
65	32.8	16.9	56.9
66	47.9	30.6	70.6





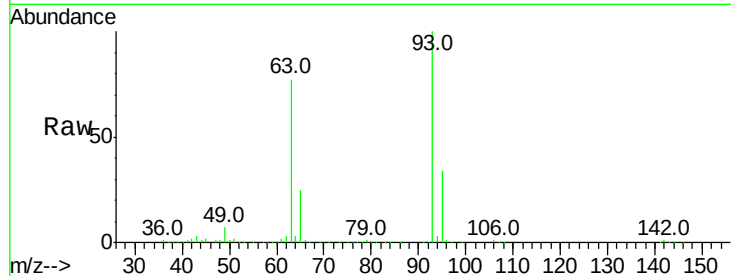
#11
bis(2-Chloroethyl)ether
Concen: 47.20 ng
RT: 6.54 min Scan# 390
Delta R.T. -0.01 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Instrument :
BNA_F
ClientSampleId :
PB95306BSD

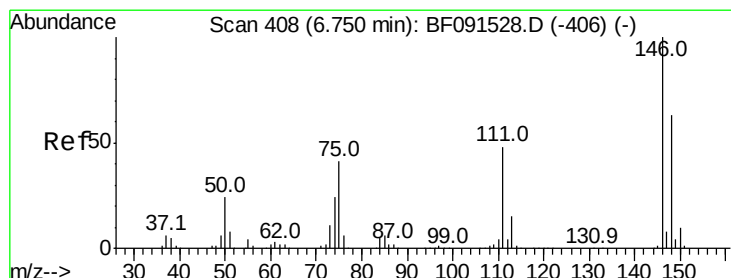
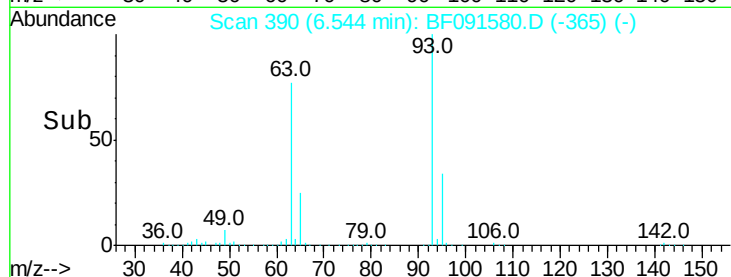
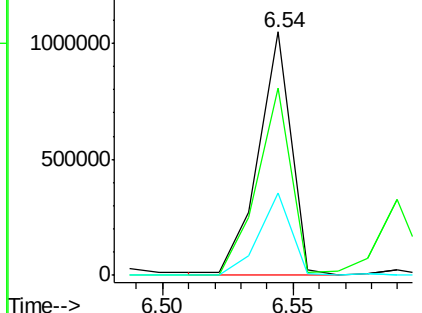
Tot Ion	Ratio	Lower	Upper
93	100		
63	76.7	74.8	114.8
95	33.9	12.4	52.4

Manual Integrations
APPROVED

sohil
12/15/2016 5:39:10 PM

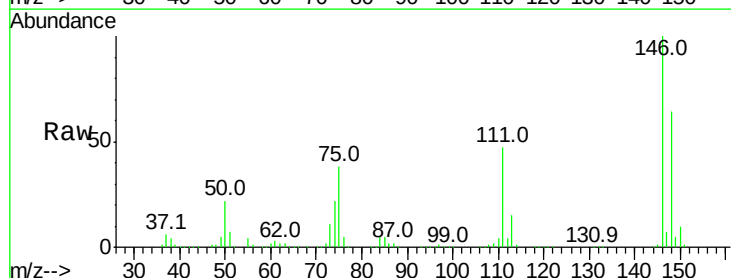


Abundance Ion 93.00 (92.70 to 93.70): BF0
Ion 63.00 (62.70 to 63.70): BF0
Ion 95.00 (94.70 to 95.70): BF0

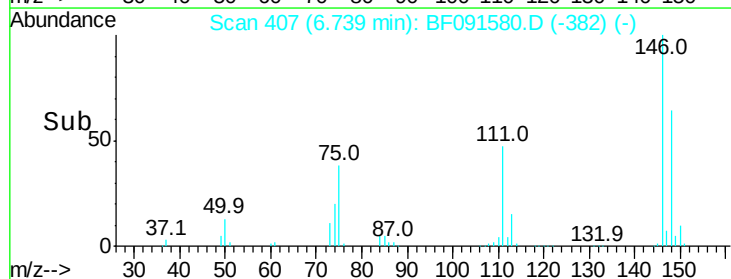
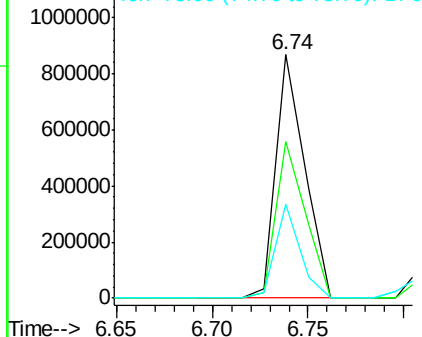


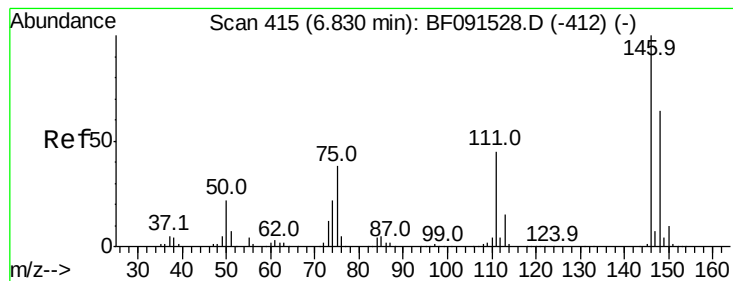
#12
1,3-Dichlorobenzene
Concen: 40.51 ng m
RT: 6.74 min Scan# 407
Delta R.T. -0.01 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.4	77.0
75	38.4	23.6	35.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF0





#13

1,4-Dichlorobenzene

Concen: 42.05 ng

RT: 6.82 min Scan# 414

Delta R.T. -0.01 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Instrument :

BNA_F

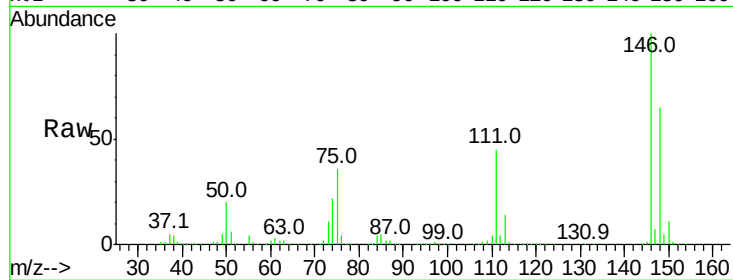
ClientSampleId :

PB95306BSD

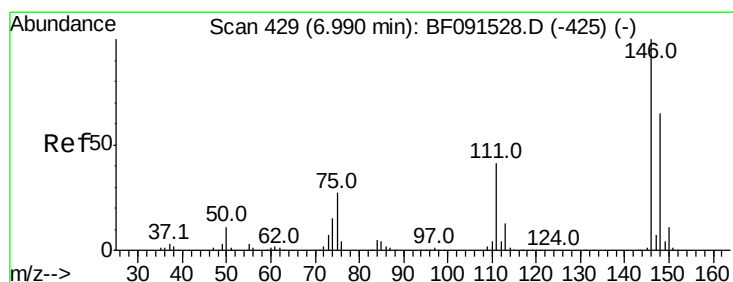
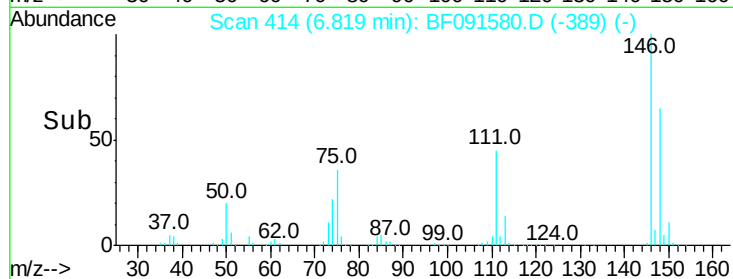
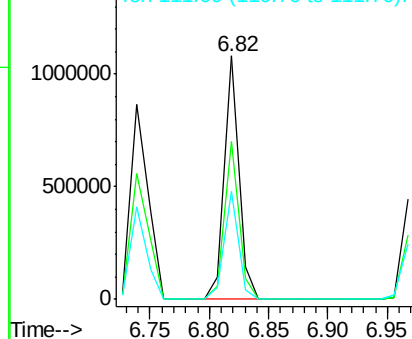
Tot Ion:	146	Resp:	906955
Ion Ratio	Lower	Upper	
146	100		
148	64.6	51.4	77.0
111	44.5	32.2	48.2

Manual Integrations
APPROVED

sohil
12/15/2016 5:39:10 PM



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 43.95 ng

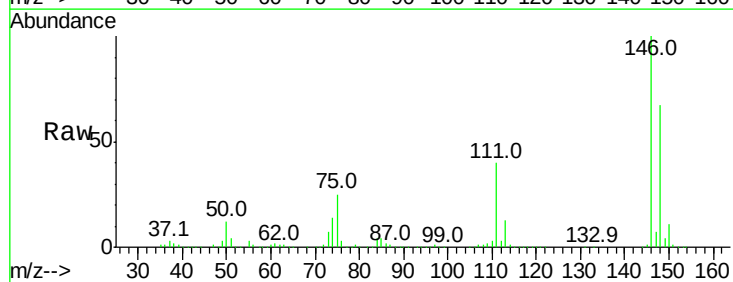
RT: 6.98 min Scan# 428

Delta R.T. -0.01 min

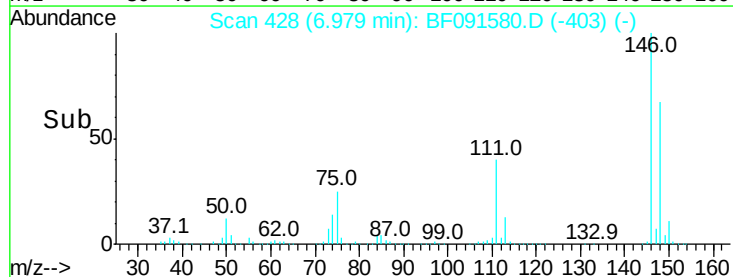
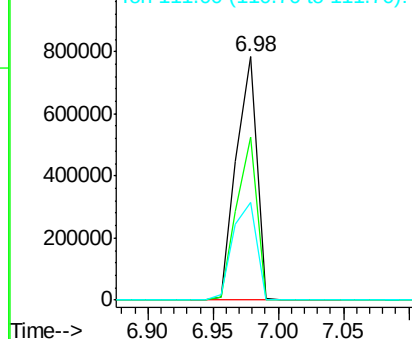
Lab File: BF091580.D

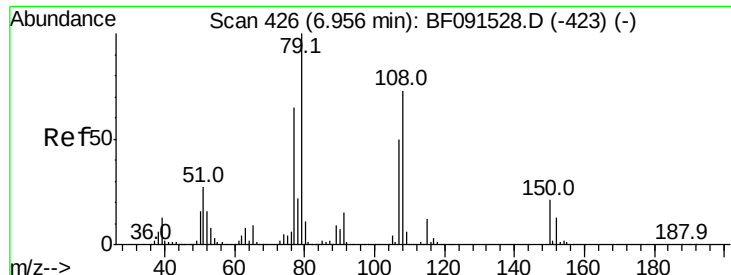
Acq: 14 Dec 2016 12:34

Tgt Ion:	146	Resp:	854161
Ion Ratio	Lower	Upper	
146	100		
148	67.0	51.0	76.6
111	39.9	38.9	58.3



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 43.04 ng

RT: 6.94 min Scan# 425

Delta R.T. -0.01 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Instrument :

BNA_F

ClientSampleId :

PB95306BSD

Tot Ion: 79 Resp: 756753

Ion Ratio Lower Upper

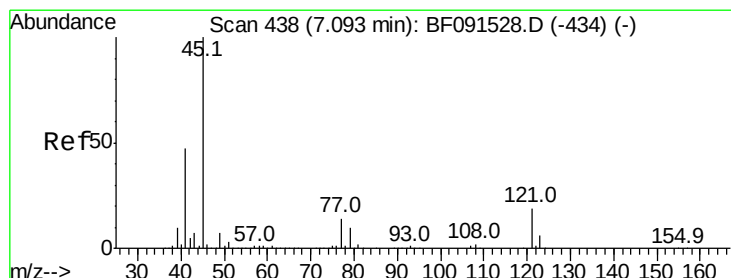
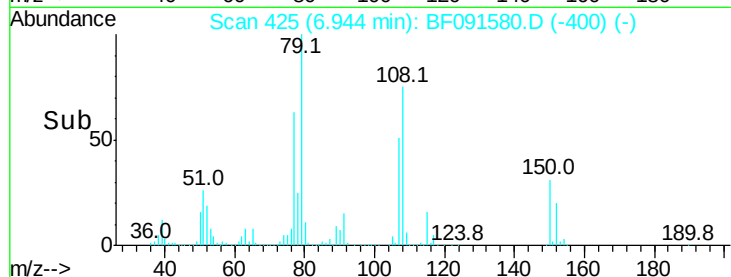
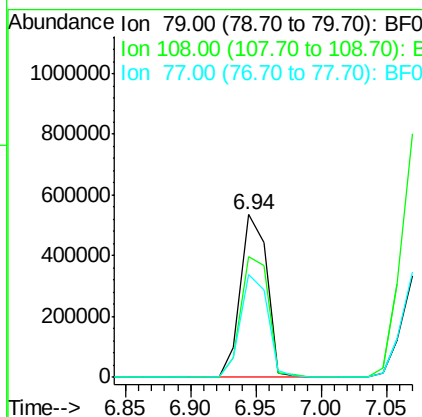
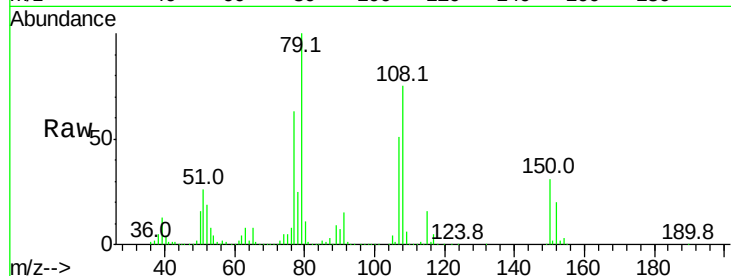
79 100

108 74.7 62.7 94.1

77 63.2 51.7 77.5

Manual Integrations
APPROVED

sohil
12/15/2016 5:39:10 PM



#16

2,2'-oxybis(1-chloropropane)

Concen: 45.34 ng

RT: 7.09 min Scan# 438

Delta R.T. -0.00 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

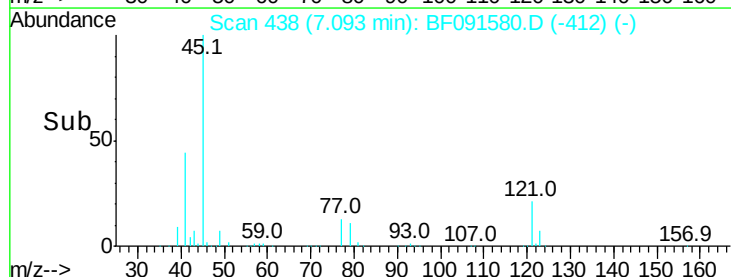
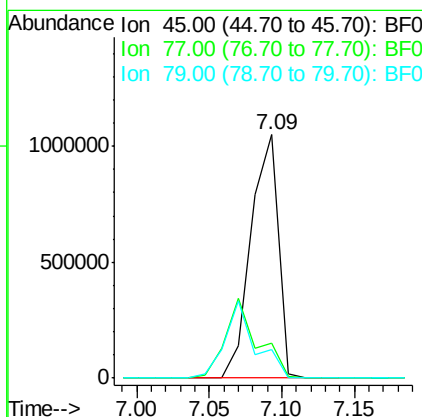
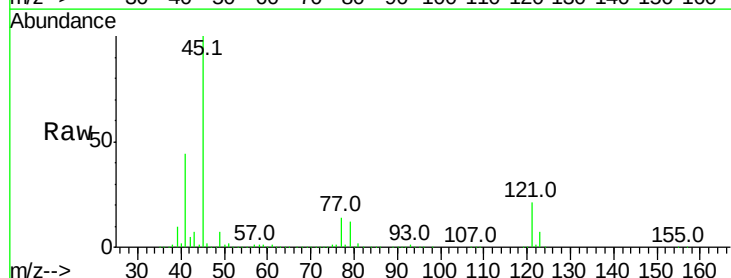
Tgt Ion: 45 Resp: 1374369

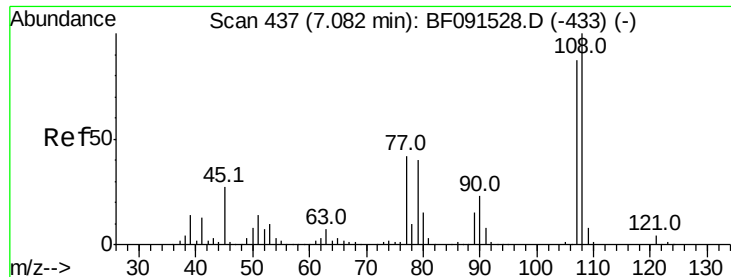
Ion Ratio Lower Upper

45 100

77 14.4 3.8 43.8

79 11.5 0.2 40.2





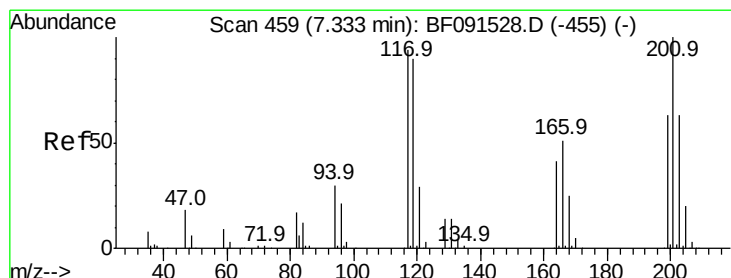
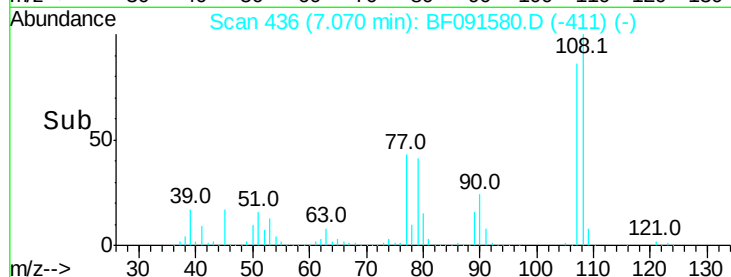
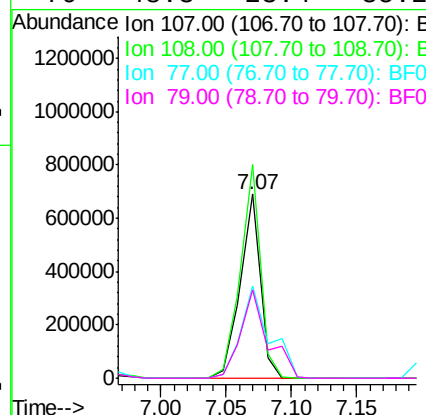
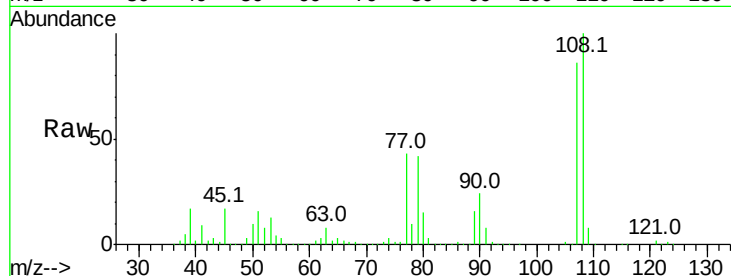
#17
2-Methylphenol
Concen: 43.97 ng
RT: 7.07 min Scan# 436
Delta R.T. -0.01 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Instrument :
BNA_F
ClientSampleId :
PB95306BSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	116.2	67.7	101.5#
77	50.2	40.7	61.1
79	48.3	23.4	35.2#

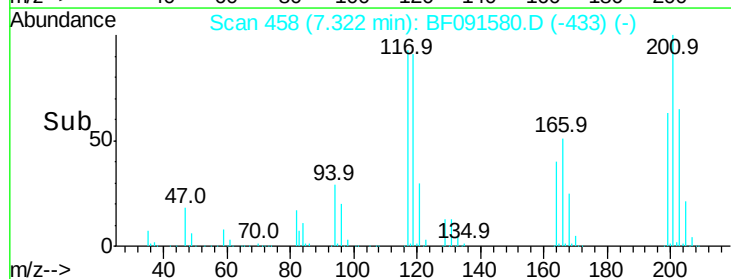
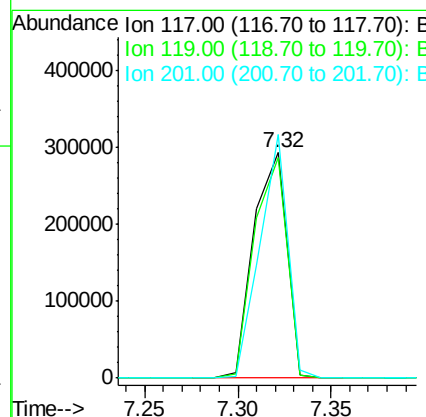
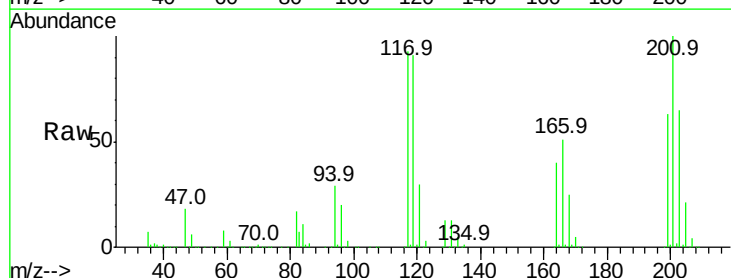
Manual Integrations
APPROVED

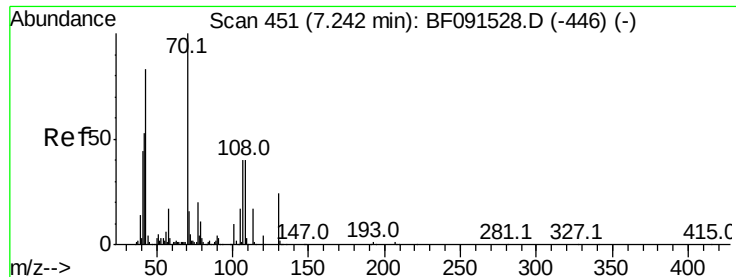
sohil
12/15/2016 5:39:10 PM



#18
Hexachloroethane
Concen: 42.80 ng
RT: 7.32 min Scan# 458
Delta R.T. -0.01 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	78.6	118.0
201	108.0	86.7	130.1





#19

n-Nitroso-di-n-propylamine

Concen: 47.32 ng

RT: 7.23 min Scan# 450

Delta R.T. -0.01 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Instrument :

BNA_F

ClientSampleId :

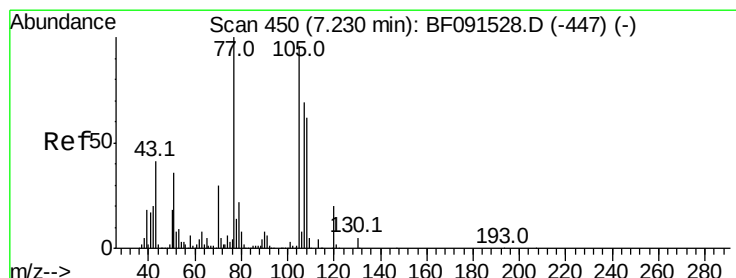
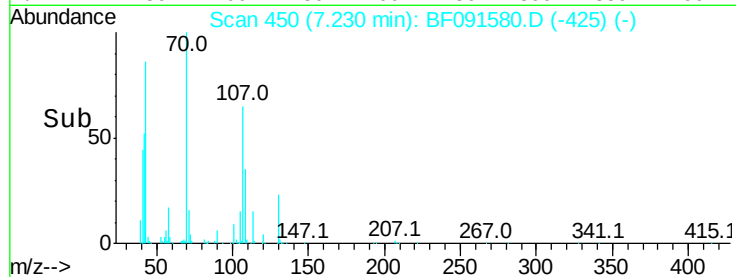
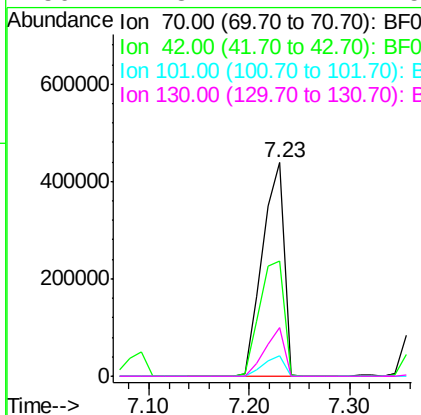
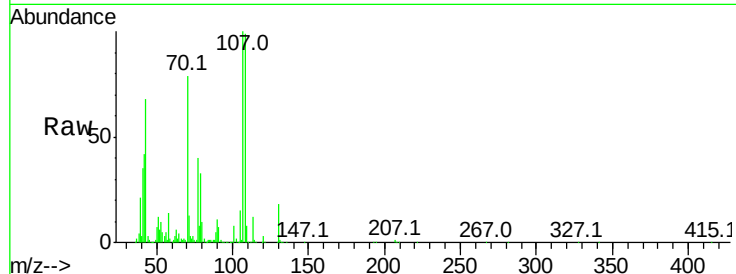
PB95306BSD

Tot Ion: 70 Resp: 658950
Ion Ratio Lower Upper

70	100		
42	53.7	64.8	97.2#
101	9.6	6.2	9.4#
130	22.8	11.7	17.5#

Manual Integrations
APPROVED

sohil
12/15/2016 5:39:10 PM



#20

3+4-Methylphenols

Concen: 48.40 ng

RT: 7.22 min Scan# 449

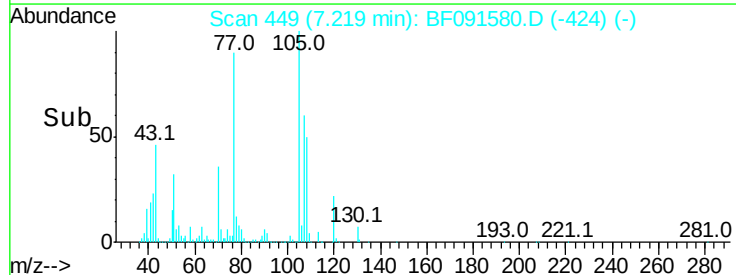
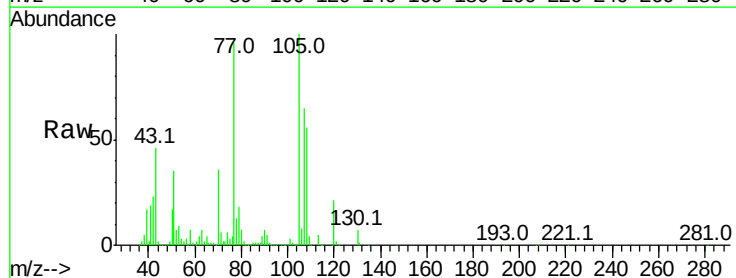
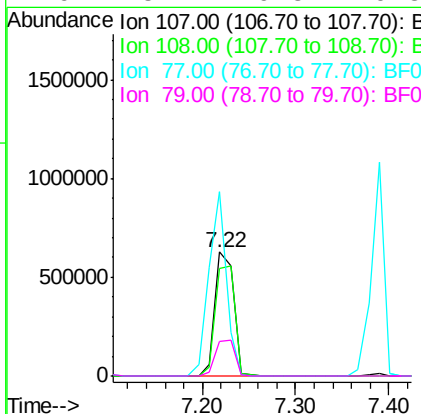
Delta R.T. -0.01 min

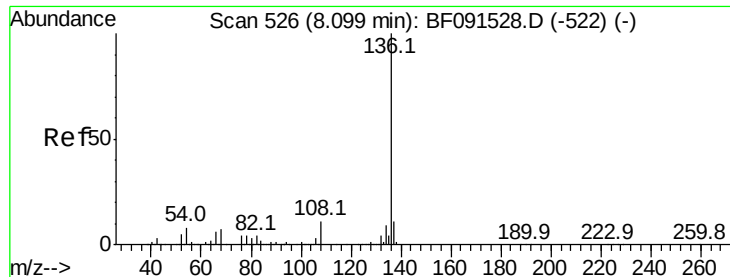
Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Tgt Ion: 107 Resp: 867800
Ion Ratio Lower Upper

107	100		
108	87.0	64.6	104.6
77	148.4	30.9	70.9#
79	28.4	9.3	49.3





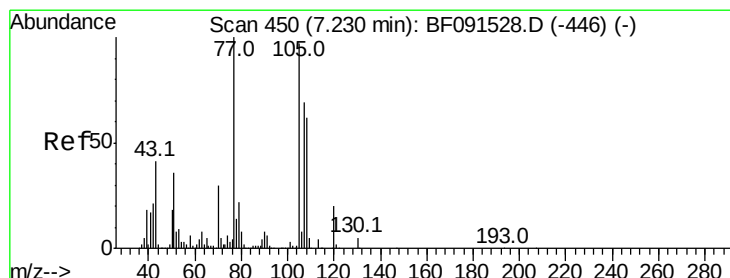
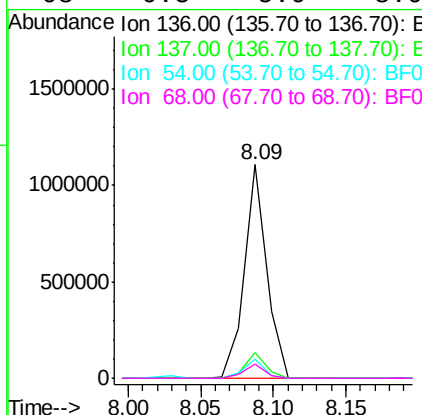
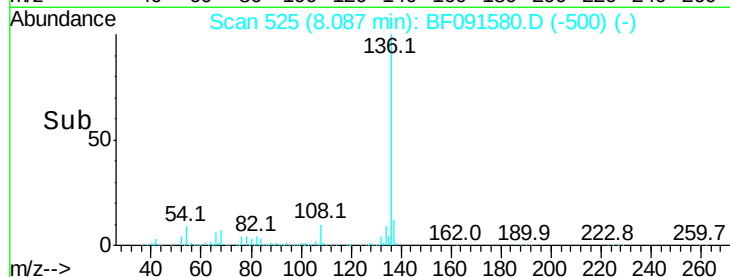
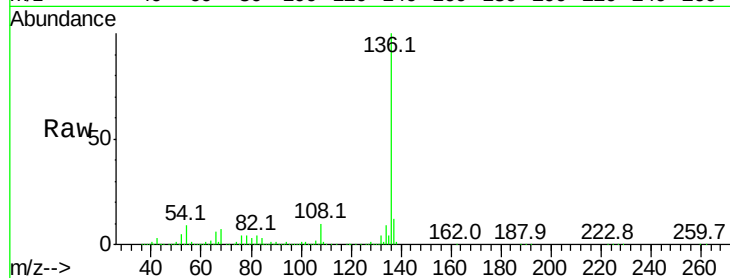
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 525
Delta R.T. -0.01 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Instrument :
BNA_F
ClientSampleId :
PB95306BSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.7	9.1	13.7	
54	8.7	9.1	13.7#	
68	6.5	5.9	8.9	

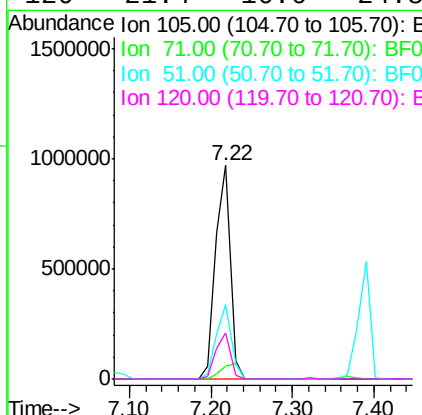
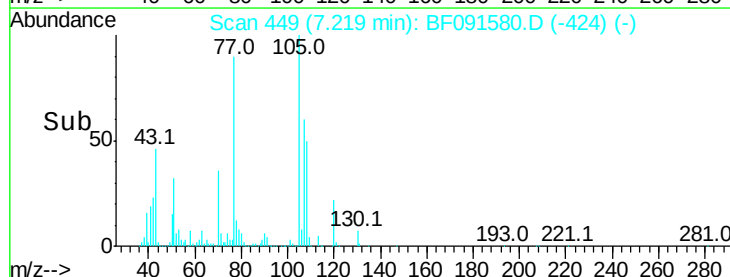
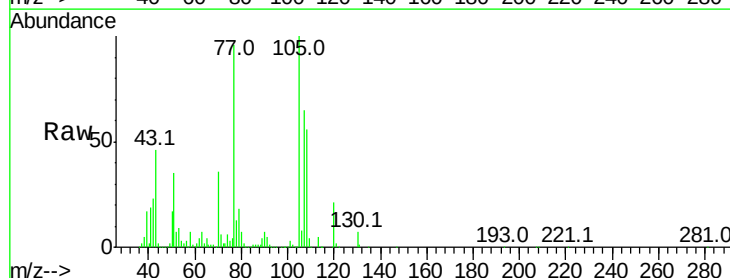
Manual Integrations
APPROVED

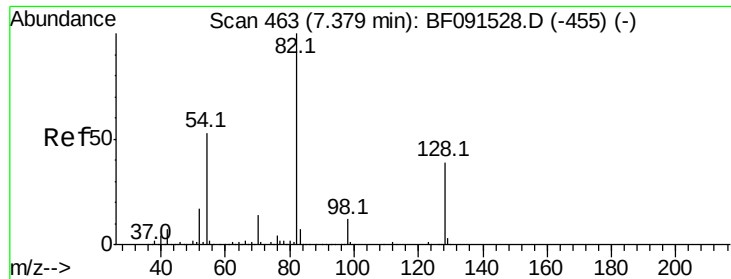
sohil
12/15/2016 5:39:10 PM



#22
Acetophenone
Concen: 43.26 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.01 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	6.3	7.9	11.9#	
51	34.9	24.5	36.7	
120	21.4	16.6	24.8	





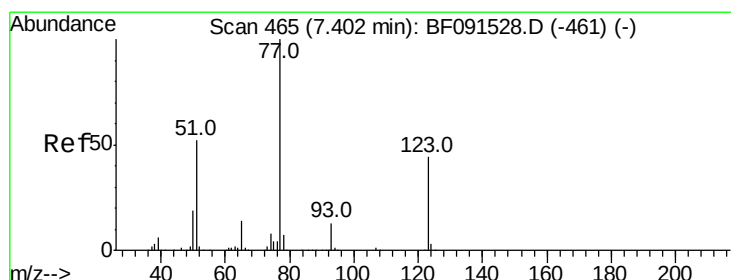
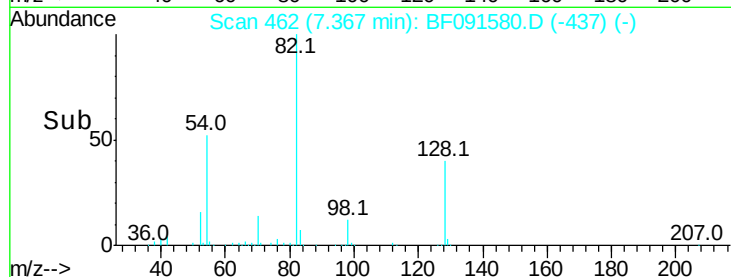
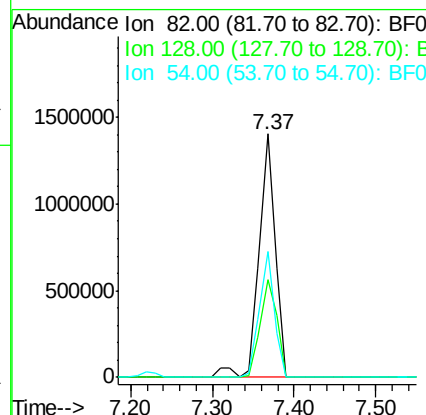
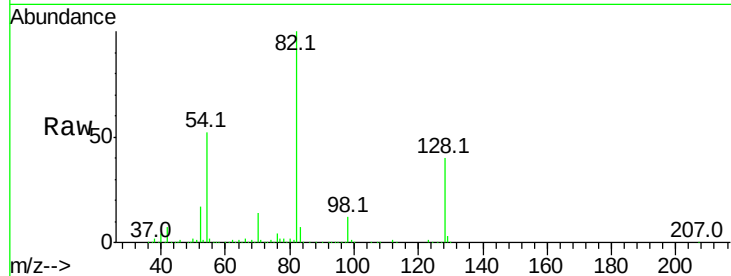
#23
Nitrobenzene-d5
Concen: 91.12 ng
RT: 7.37 min Scan# 462
Delta R.T. -0.01 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Instrument :
BNA_F
ClientSampleId :
PB95306BSD

Tot Ion: 82 Resp: 1930820
Ion Ratio Lower Upper
82 100
128 40.1 31.8 47.6
54 51.8 49.1 73.7

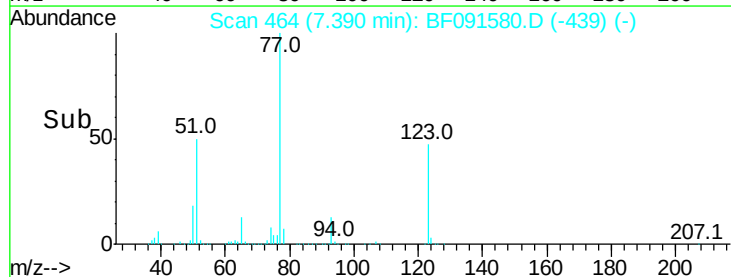
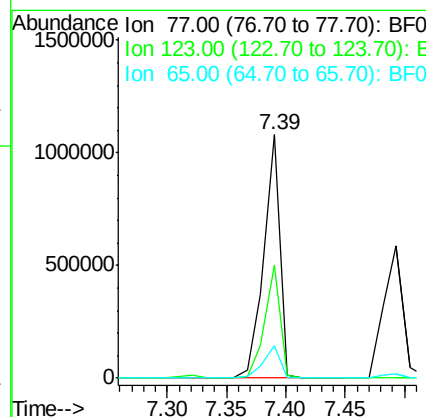
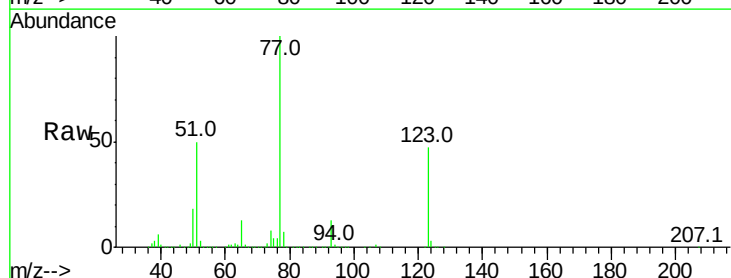
Manual Integrations
APPROVED

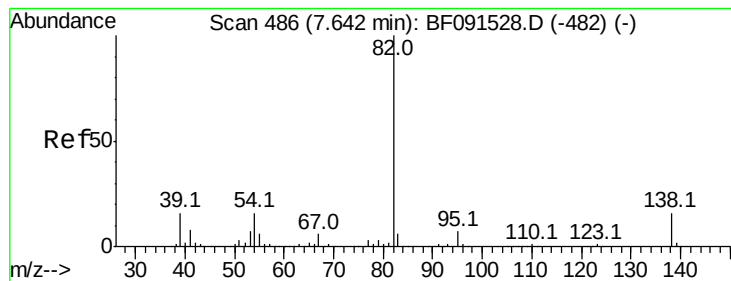
sohil
12/15/2016 5:39:10 PM



#24
Nitrobenzene
Concen: 46.03 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.01 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Tgt Ion: 77 Resp: 1030408
Ion Ratio Lower Upper
77 100
123 46.7 28.5 42.7#
65 13.1 12.5 18.7





#25

Isophorone

Concen: 45.99 ng

RT: 7.63 min Scan# 485

Delta R.T. -0.01 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Instrument :

BNA_F

ClientSampleId :

PB95306BSD

Tot Ion: 82 Resp: 1732521

Ion Ratio Lower Upper

82 100

95 6.9 5.7 8.5

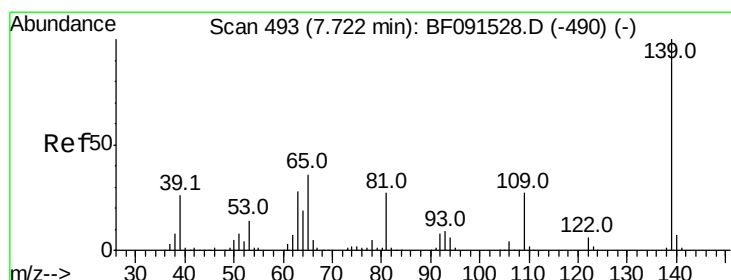
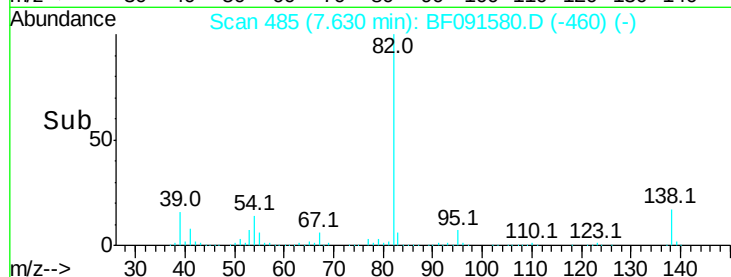
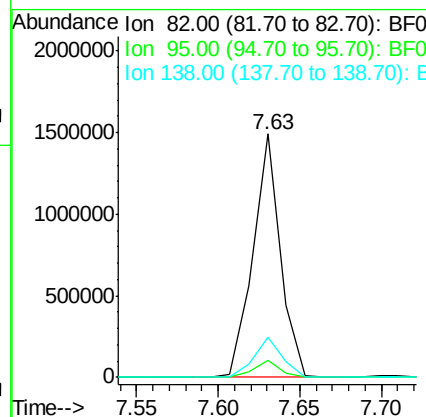
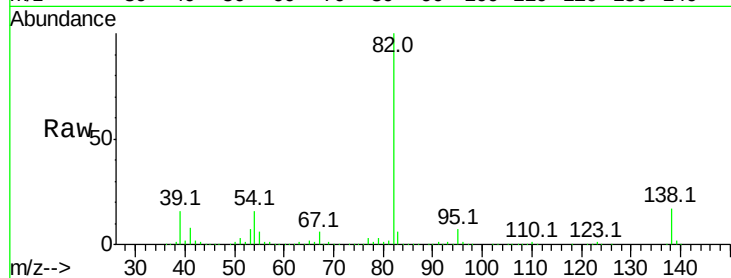
138 16.5 13.4 20.0

Manual Integrations

APPROVED

sohil

12/15/2016 5:39:10 PM



#26

2-Nitrophenol

Concen: 48.87 ng

RT: 7.71 min Scan# 492

Delta R.T. -0.01 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

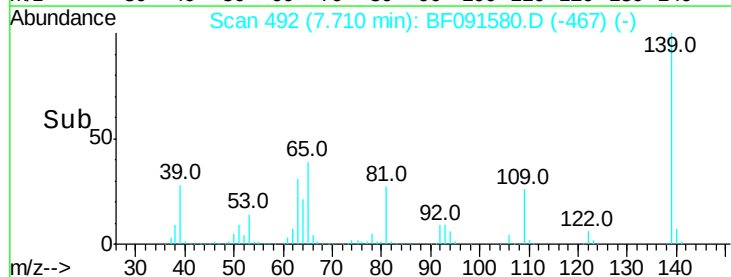
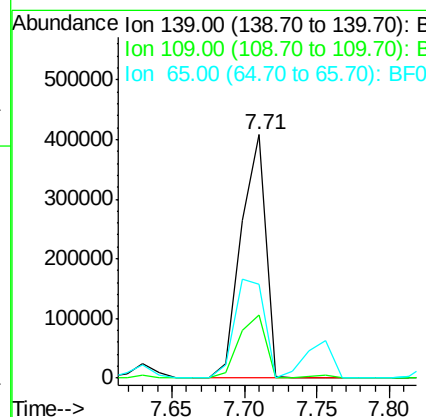
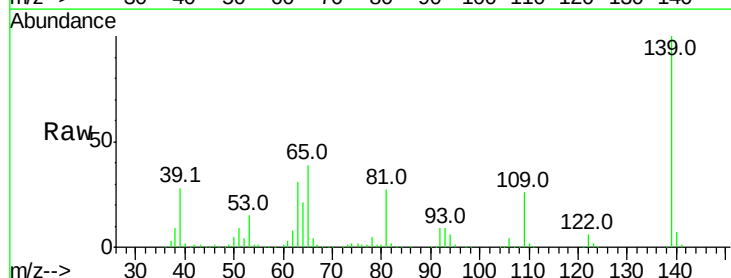
Tgt Ion: 139 Resp: 482923

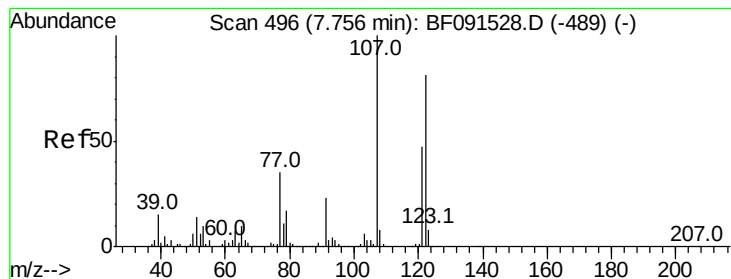
Ion Ratio Lower Upper

139 100

109 25.9 25.3 37.9

65 38.7 55.4 83.2#





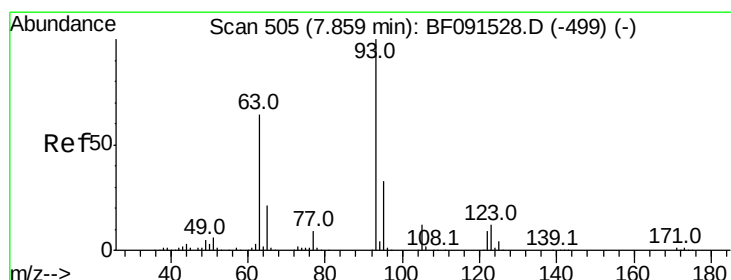
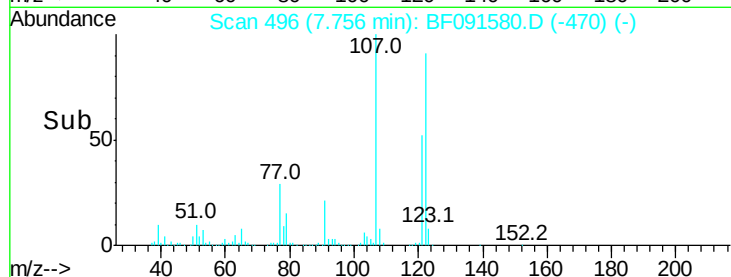
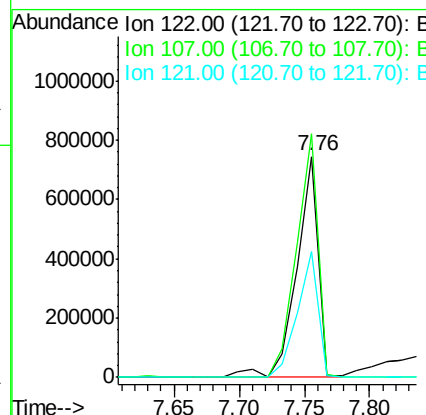
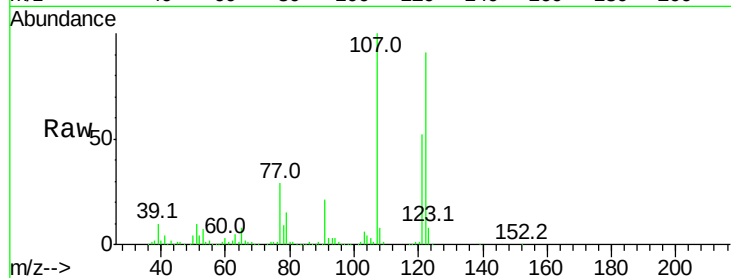
#27
 2,4-Dimethylphenol
 Concen: 49.88 ng
 RT: 7.76 min Scan# 496
 Delta R.T. -0.00 min
 Lab File: BF091580.D
 Acq: 14 Dec 2016 12:34

Instrument :
 BNA_F
 ClientSampleId :
 PB95306BSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	110.1	96.8	145.2
121	57.0	47.7	71.5

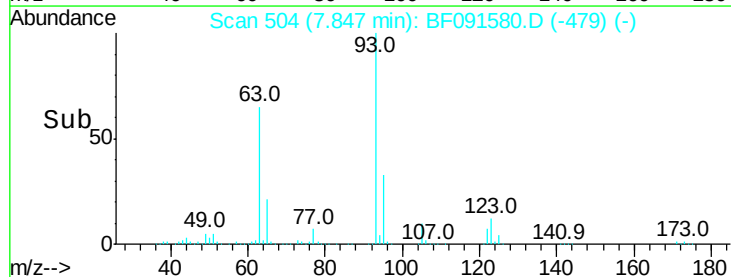
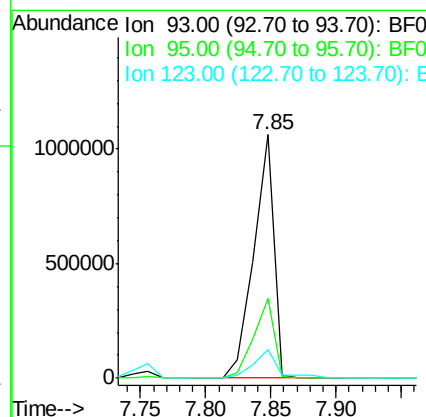
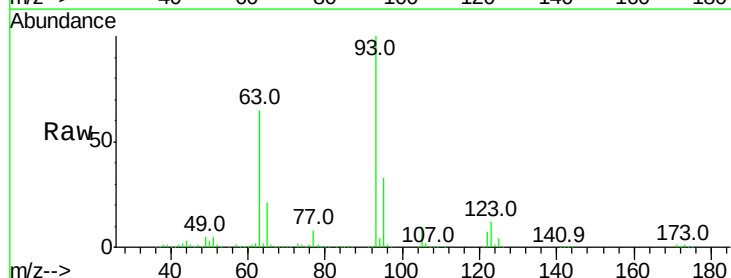
Manual Integrations
 APPROVED

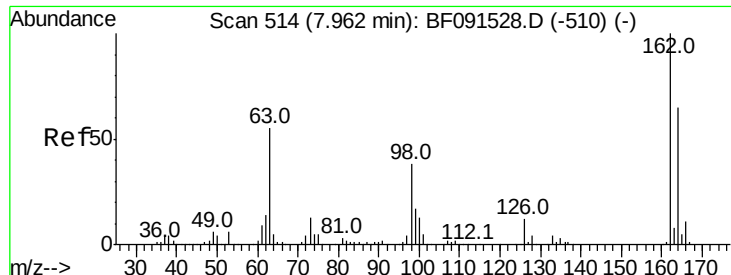
sohil
 12/15/2016 5:39:10 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 51.80 ng
 RT: 7.85 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: BF091580.D
 Acq: 14 Dec 2016 12:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.0	39.0
123	11.9	8.6	12.8





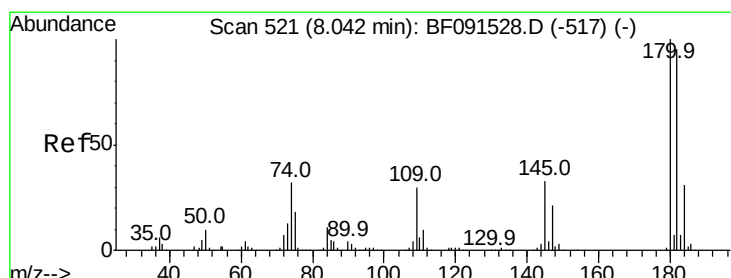
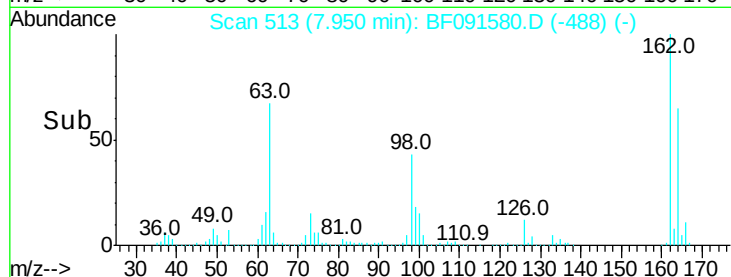
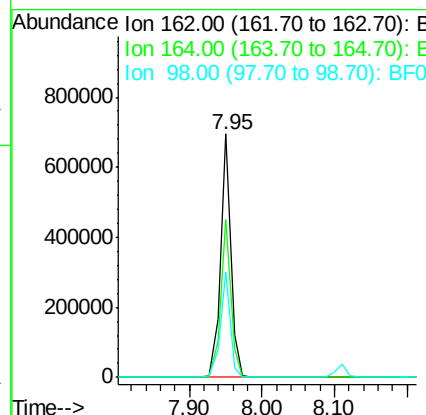
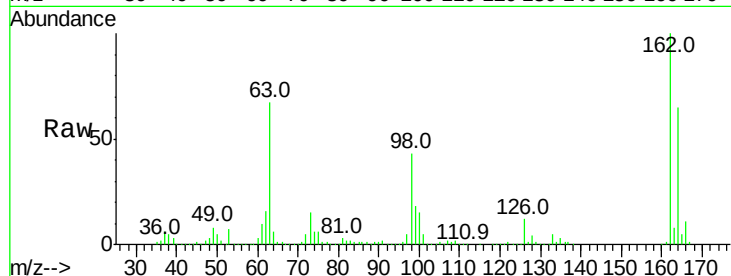
#29
 2,4-Dichlorophenol
 Concen: 45.47 ng
 RT: 7.95 min Scan# 513
 Delta R.T. -0.01 min
 Lab File: BF091580.D
 Acq: 14 Dec 2016 12:34

Instrument :
 BNA_F
 ClientSampleId :
 PB95306BSD

Tot Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	64.9	45.0	85.0
98	43.3	21.3	61.3

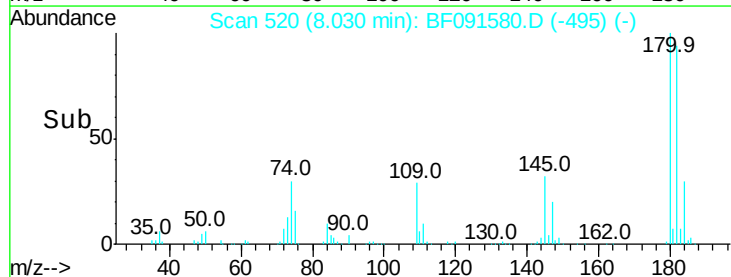
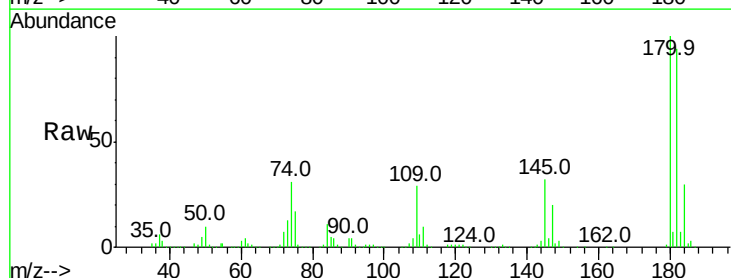
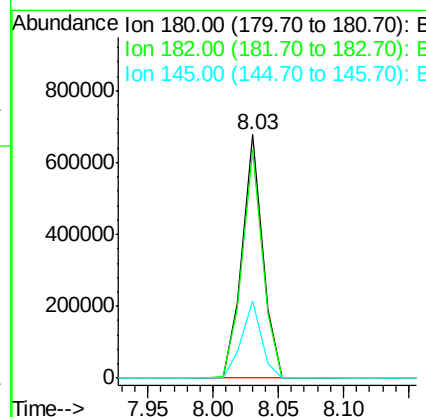
Manual Integrations
 APPROVED

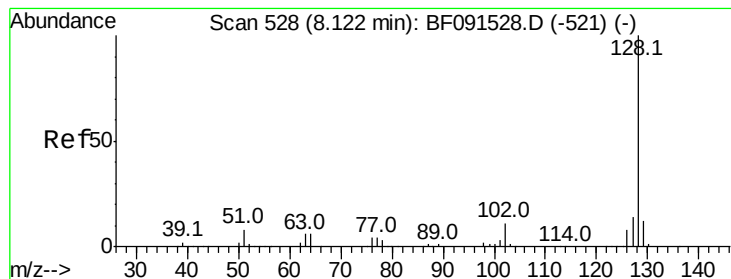
sohil
 12/15/2016 5:39:10 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 43.09 ng
 RT: 8.03 min Scan# 520
 Delta R.T. -0.01 min
 Lab File: BF091580.D
 Acq: 14 Dec 2016 12:34

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	93.9	75.8	113.8
145	32.0	27.0	40.4





#31

Naphthalene

Concen: 42.30 ng

RT: 8.11 min Scan# 527

Delta R.T. -0.01 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Instrument :

BNA_F

ClientSampleId :

PB95306BSD

Tot Ion:128 Resp: 2327744

Ion Ratio Lower Upper

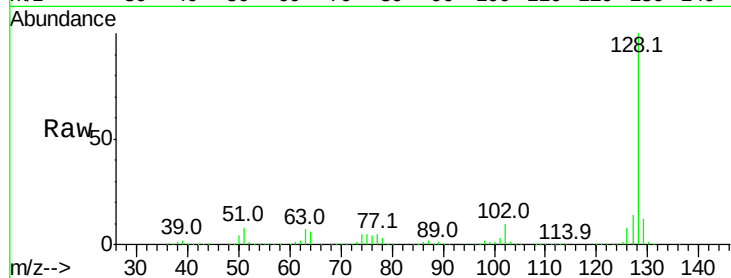
128 100

129 11.7 9.1 13.7

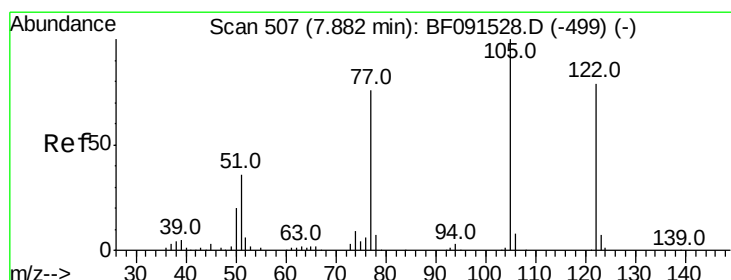
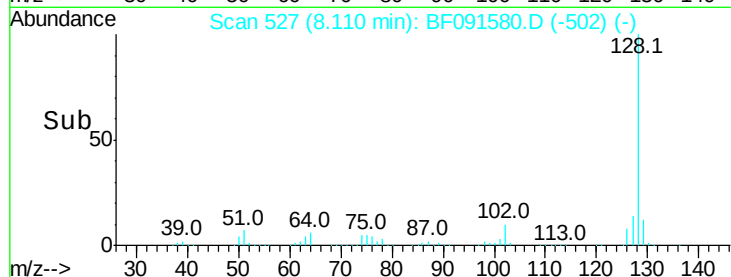
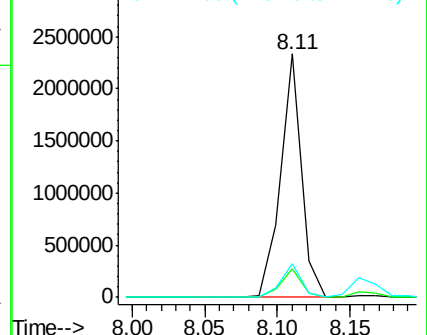
127 13.7 11.0 16.4

Manual Integrations
APPROVED

sohil
12/15/2016 5:39:10 PM



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 44.13 ng

RT: 7.88 min Scan# 507

Delta R.T. 0.00 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

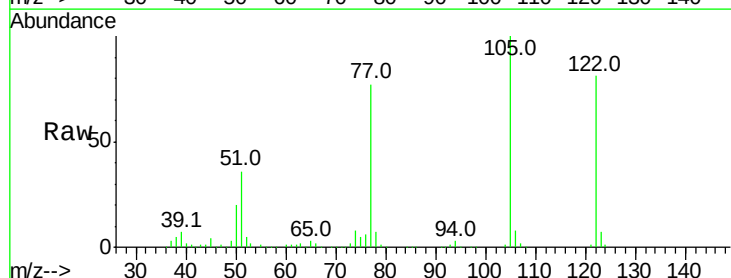
Tgt Ion:122 Resp: 544082

Ion Ratio Lower Upper

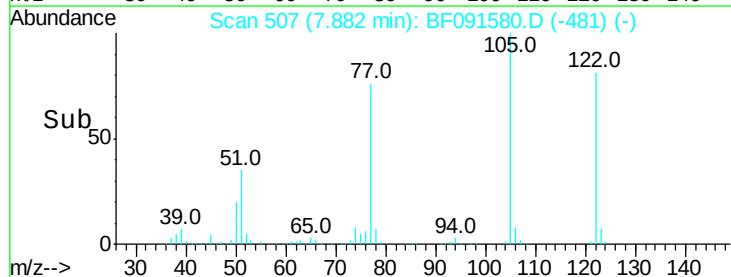
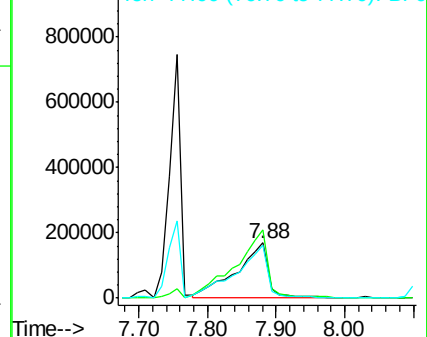
122 100

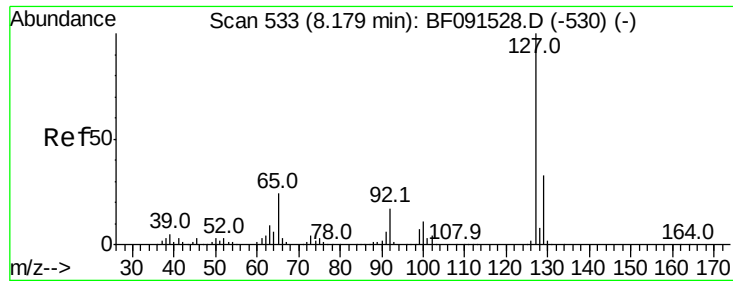
105 123.7 113.0 153.0

77 95.4 82.0 122.0



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





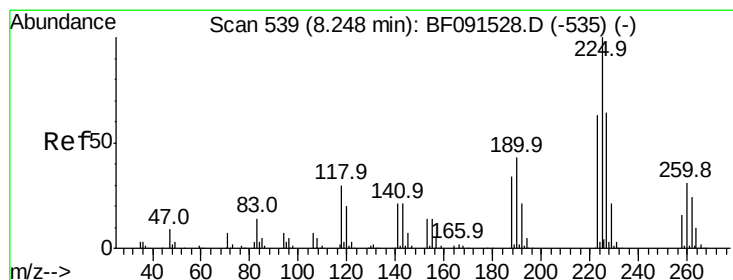
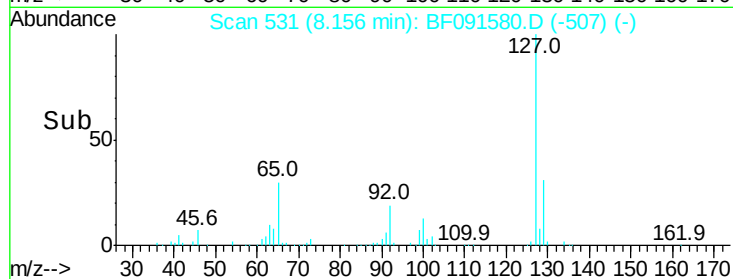
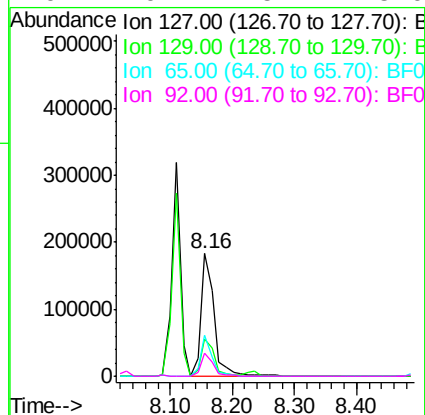
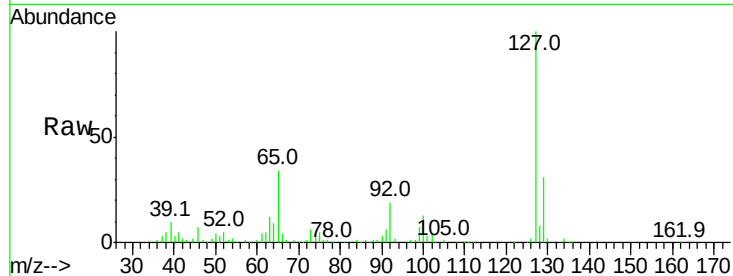
#33
4-Chloroaniline
Concen: 11.31 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.02 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Instrument :
BNA_F
ClientSampleId :
PB95306BSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	30.6	26.2	39.4	
65	33.8	26.6	39.8	
92	19.2	15.4	23.0	

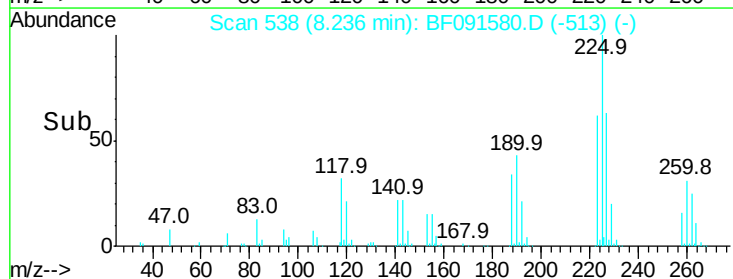
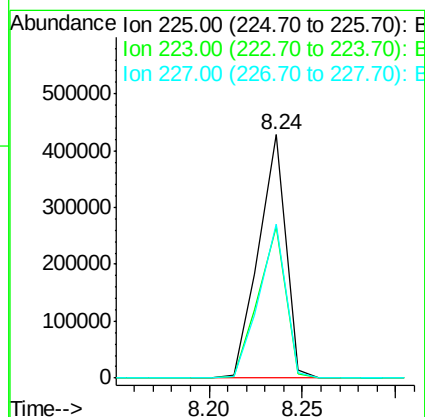
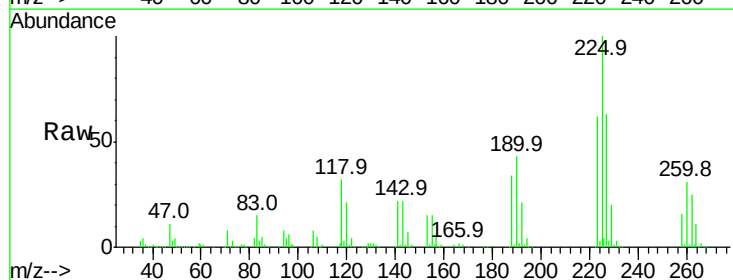
Manual Integrations
APPROVED

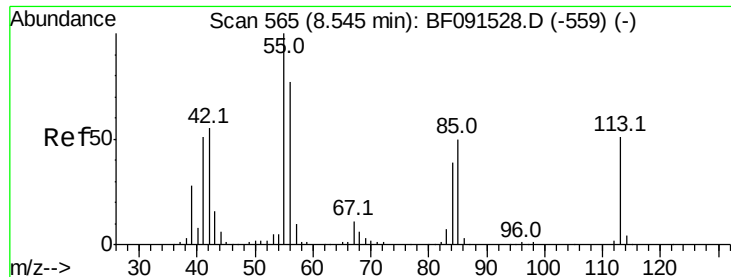
sohil
12/15/2016 5:39:10 PM



#34
Hexachlorobutadiene
Concen: 43.96 ng
RT: 8.24 min Scan# 538
Delta R.T. -0.01 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	49.8	74.6	
227	63.3	52.6	79.0	





#35

Caprolactam

Concen: 47.65 ng

RT: 8.53 min Scan# 564

Delta R.T. -0.01 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Instrument :

BNA_F

ClientSampleId :

PB95306BSD

Tot Ion:113 Resp: 210117
Ion Ratio Lower Upper

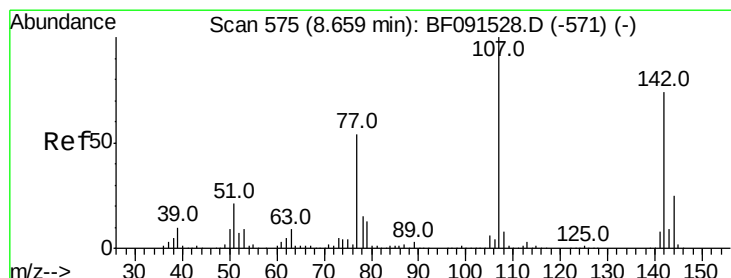
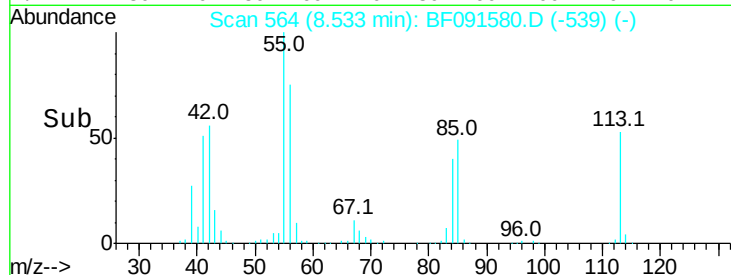
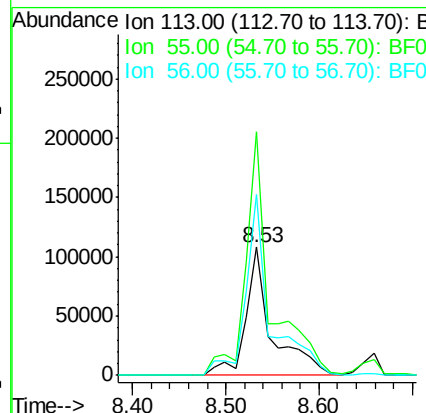
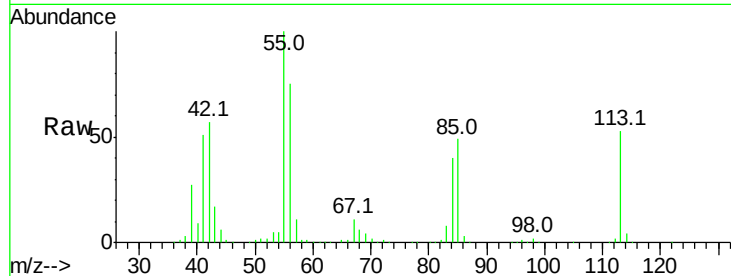
113 100

55 189.7 239.8 279.8#

56 141.4 165.6 205.6#

Manual Integrations
APPROVED

sohil
12/15/2016 5:39:10 PM



#36

4-Chloro-3-methylphenol

Concen: 46.84 ng

RT: 8.66 min Scan# 575

Delta R.T. -0.00 min

Lab File: BF091580.D

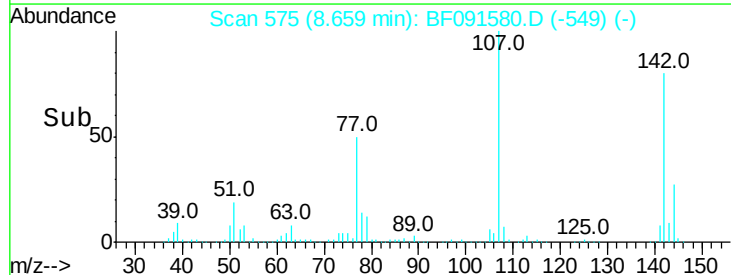
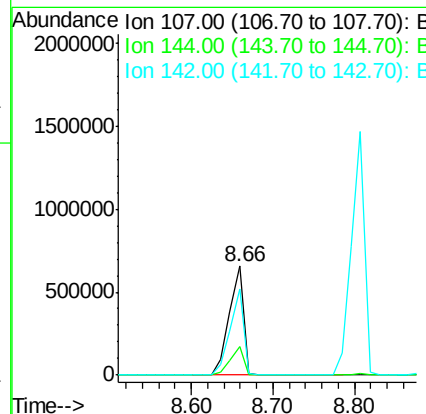
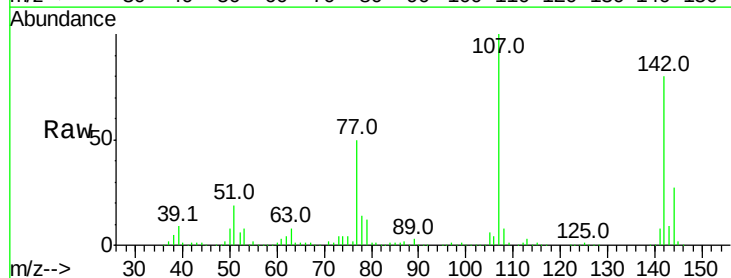
Acq: 14 Dec 2016 12:34

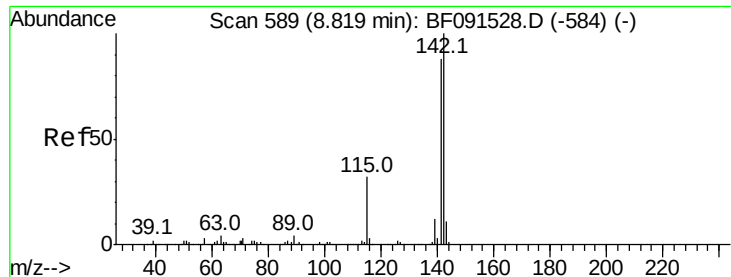
Tgt Ion:107 Resp: 793202
Ion Ratio Lower Upper

107 100

144 26.5 18.9 28.3

142 79.8 58.5 87.7





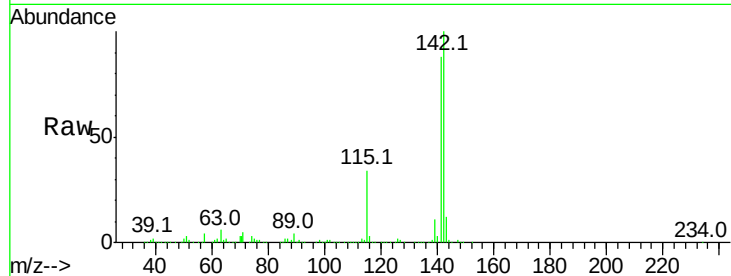
#37
2-Methylnaphthalene
Concen: 46.07 ng
RT: 8.81 min Scan# 588
Delta R.T. -0.01 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Instrument :
BNA_F
ClientSampleId :
PB95306BSD

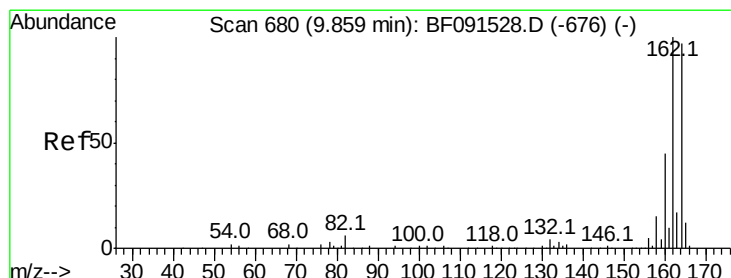
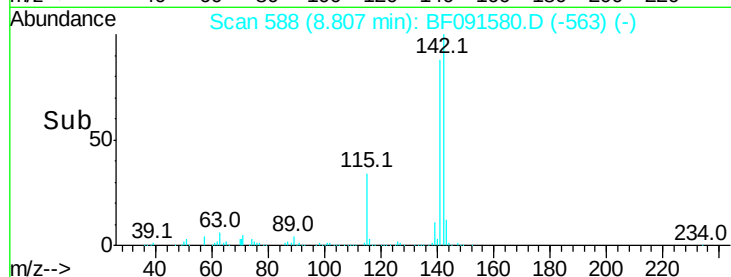
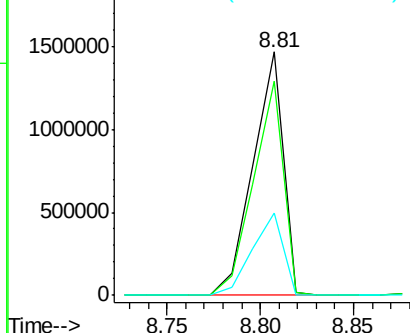
Tot Ion:142 Resp: 1640798
Ion Ratio Lower Upper
142 100
141 88.1 71.7 107.5
115 33.7 25.0 37.6

Manual Integrations
APPROVED

sohil
12/15/2016 5:39:10 PM

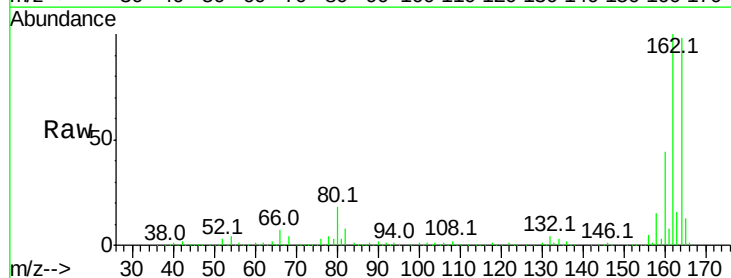


Abundance Ion 142.00 (141.70 to 142.70): E
2000000 Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

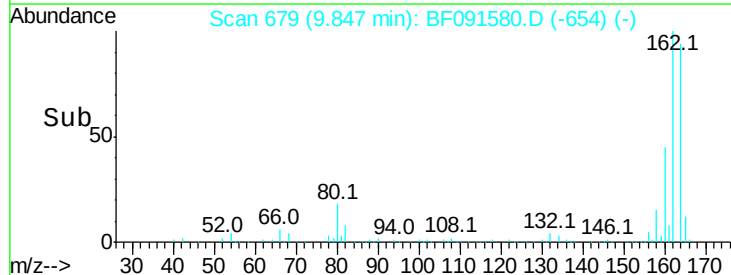
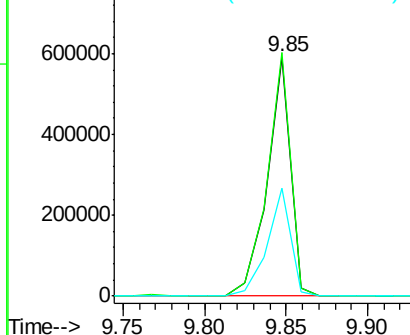


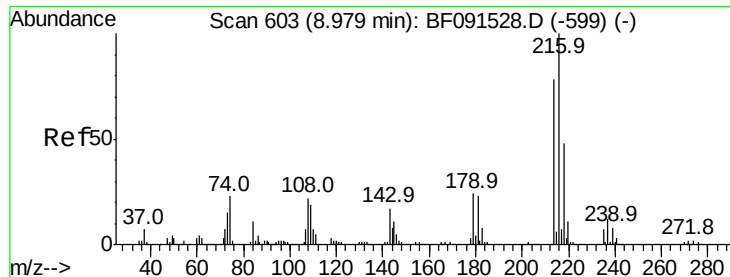
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.01 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Tgt Ion:164 Resp: 588630
Ion Ratio Lower Upper
164 100
162 102.0 82.6 124.0
160 45.3 36.7 55.1



Abundance Ion 164.00 (163.70 to 164.70): E
800000 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: 37.78 ng

RT: 8.97 min Scan# 602

Delta R.T. -0.01 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Instrument :

BNA_F

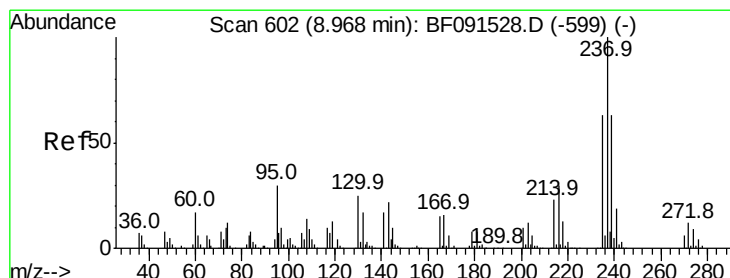
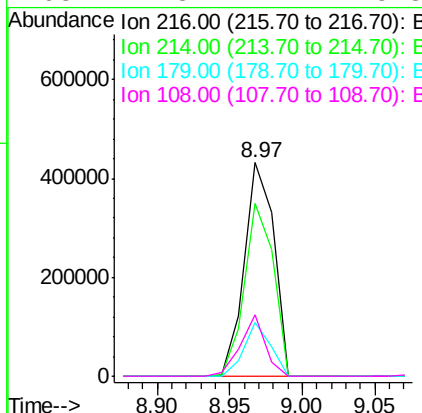
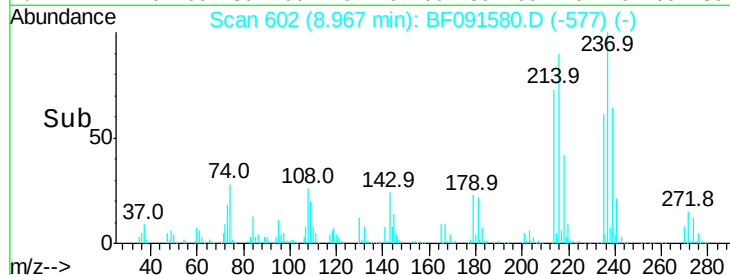
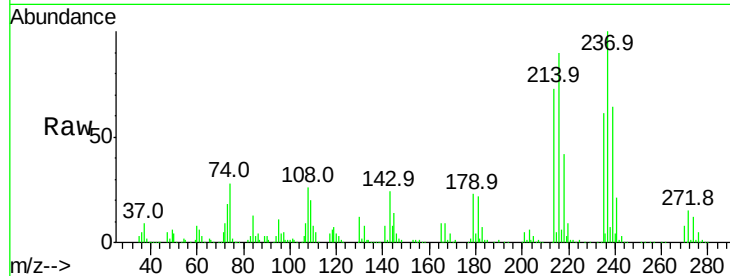
ClientSampleId :

PB95306BSD

Tot Ion:	216	Resp:	609951
Ion Ratio		Lower	Upper
216	100		
214	79.2	63.8	95.8
179	22.5	18.2	27.2
108	24.3	17.2	25.8

Manual Integrations
APPROVED

sohil
12/15/2016 5:39:10 PM



#40

Hexachlorocyclopentadiene

Concen: 103.63 ng

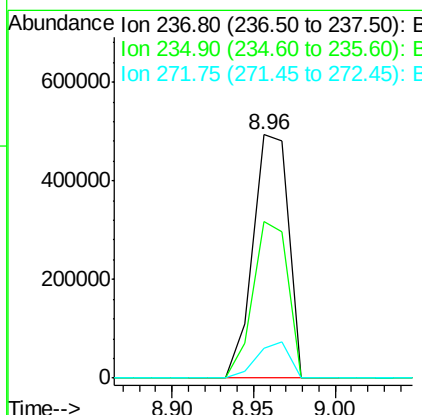
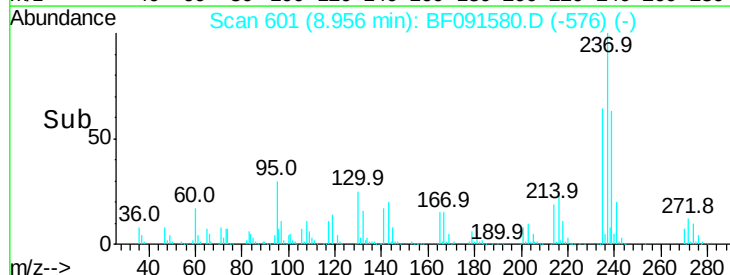
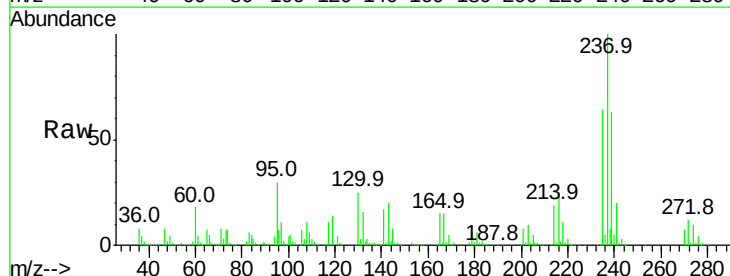
RT: 8.96 min Scan# 601

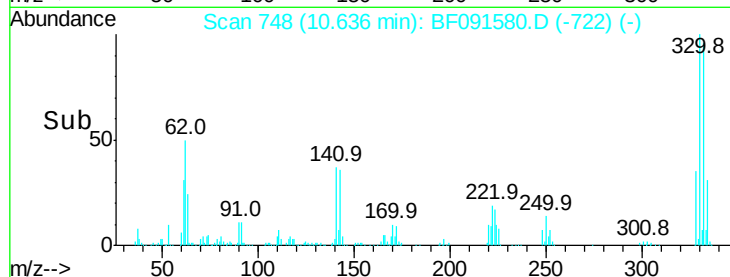
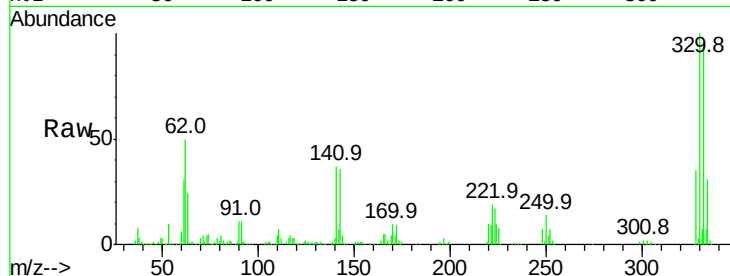
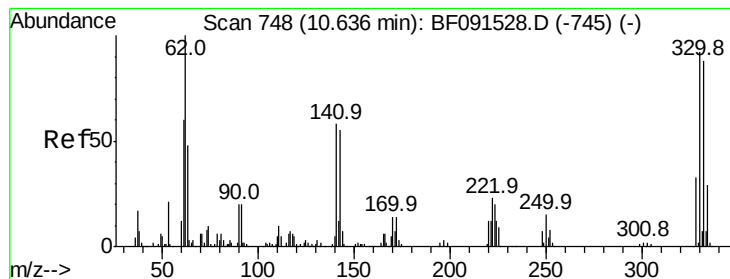
Delta R.T. -0.01 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Tgt Ion:	237	Resp:	745883
Ion Ratio		Lower	Upper
237	100		
235	64.2	43.9	83.9
272	12.3	0.0	33.1





#41

2,4,6-Tribromophenol

Concen: 117.27 ng

RT: 10.64 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Tot Ion:	330	Resp:	573348
Ion Ratio	Lower	Upper	
330	100		
332	96.4	76.2	114.4
141	43.1	33.6	50.4

Instrument :

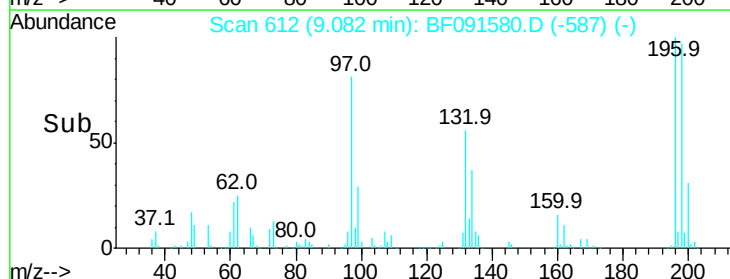
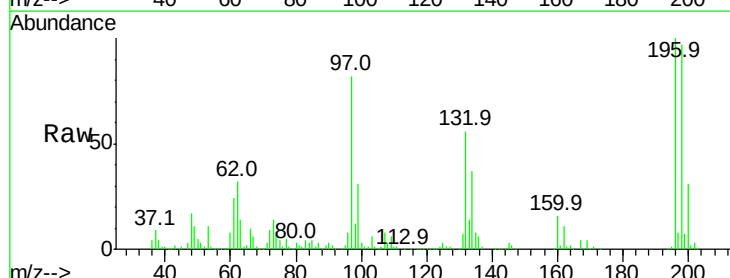
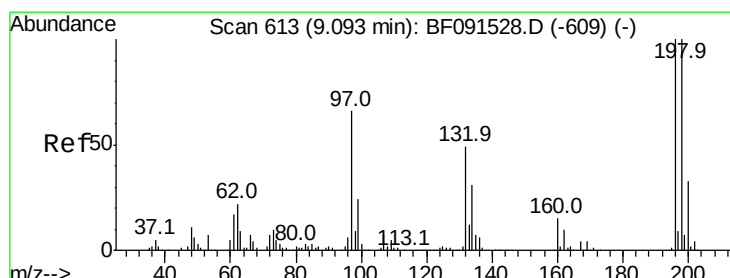
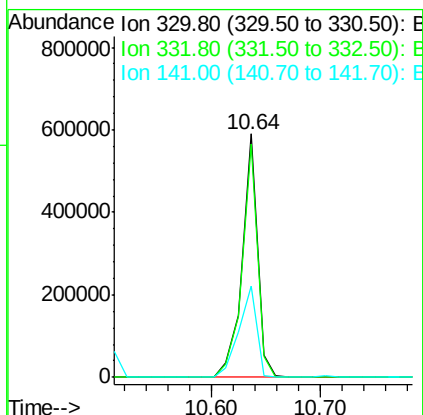
BNA_F

ClientSampleId :

PB95306BSD

Manual Integrations
APPROVED

sohil
12/15/2016 5:39:10 PM



#42

2,4,6-Trichlorophenol

Concen: 44.82 ng

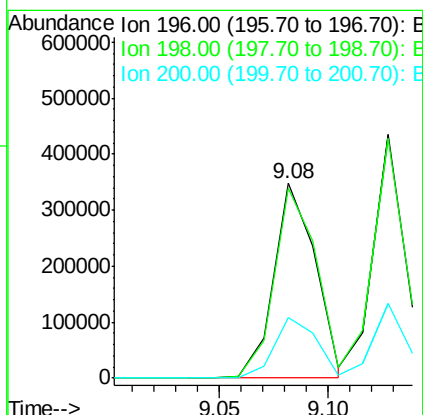
RT: 9.08 min Scan# 612

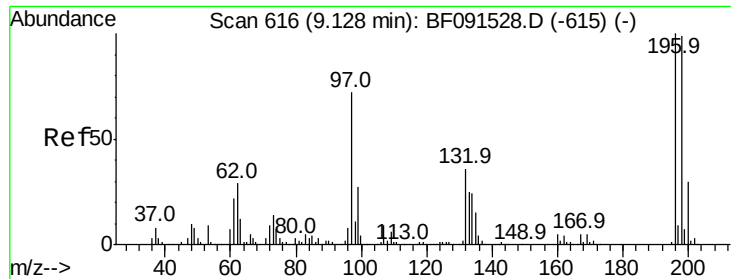
Delta R.T. -0.01 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Tgt Ion:	196	Resp:	464970
Ion Ratio	Lower	Upper	
196	100		
198	97.2	77.4	116.0
200	31.1	25.2	37.8





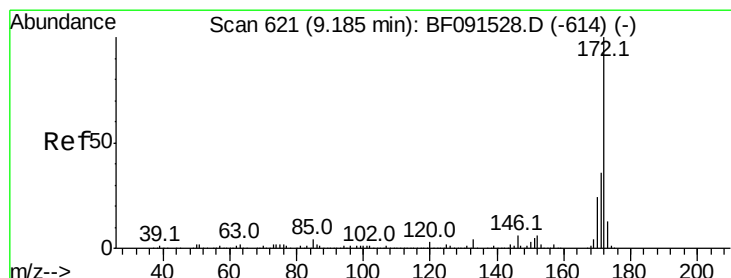
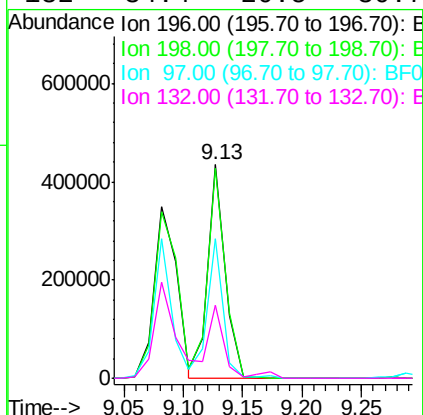
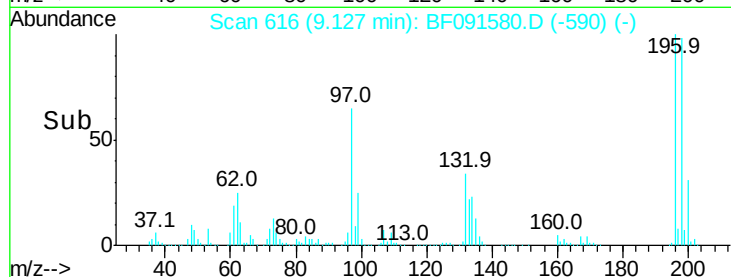
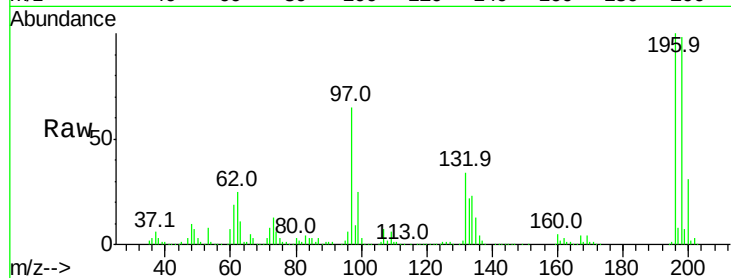
#43
 2,4,5-Trichlorophenol
 Concen: 41.84 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.00 min
 Lab File: BF091580.D
 Acq: 14 Dec 2016 12:34

Instrument :
 BNA_F
 ClientSampleId :
 PB95306BSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	446045		
198	98.4	77.0	115.6	
97	65.4	33.5	50.3#	
132	34.4	20.5	30.7#	

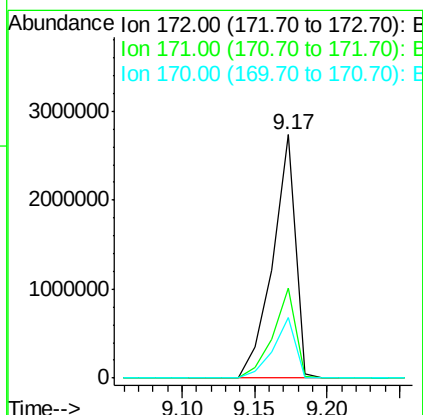
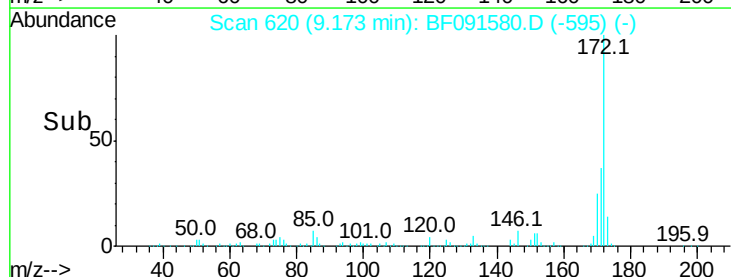
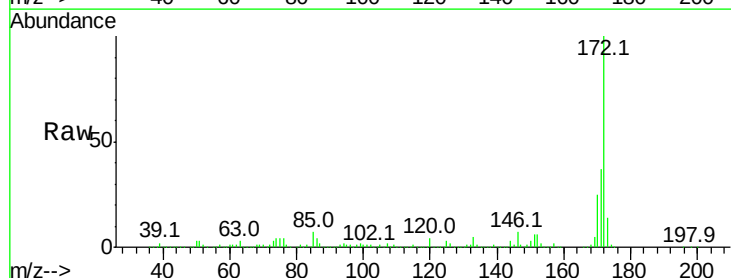
Manual Integrations
 APPROVED

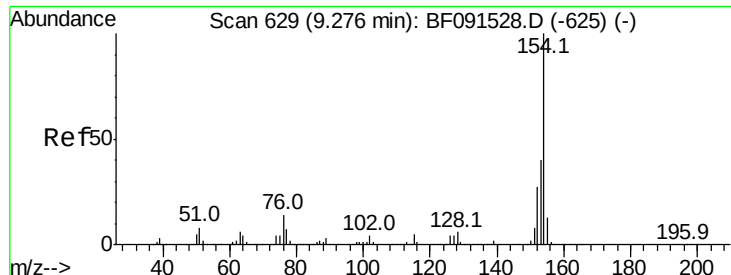
sohil
 12/15/2016 5:39:10 PM



#44
 2-Fluorobiphenyl
 Concen: 87.59 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: BF091580.D
 Acq: 14 Dec 2016 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2983798		
171	36.7	29.4	44.0	
170	25.1	19.7	29.5	





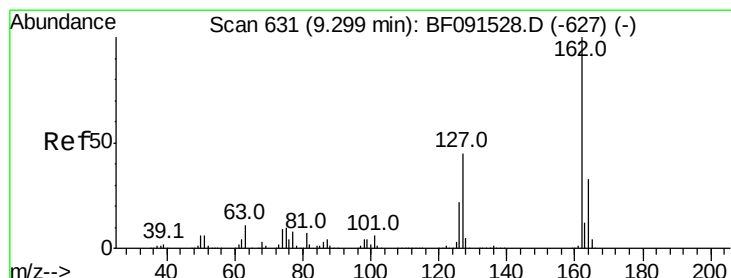
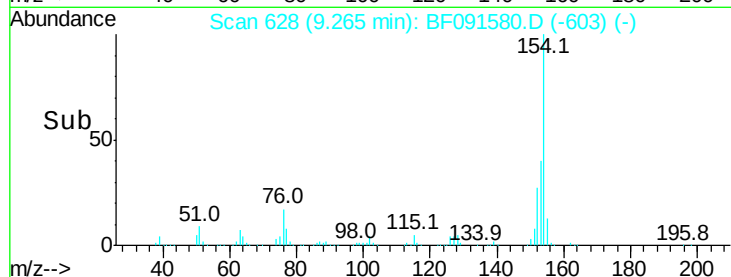
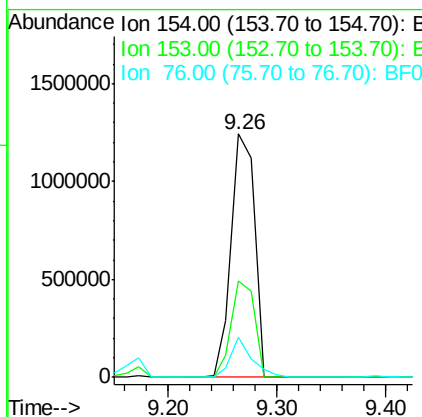
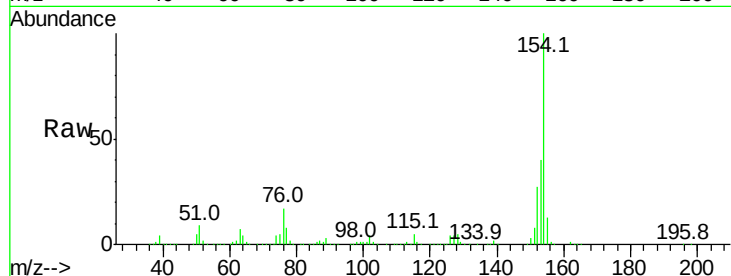
#45
 1,1'-Biphenyl
 Concen: 42.85 ng
 RT: 9.26 min Scan# 628
 Delta R.T. -0.01 min
 Lab File: BF091580.D
 Acq: 14 Dec 2016 12:34

Instrument :
 BNA_F
 ClientSampleId :
 PB95306BSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.6	60.6
76	16.5	0.0	36.6

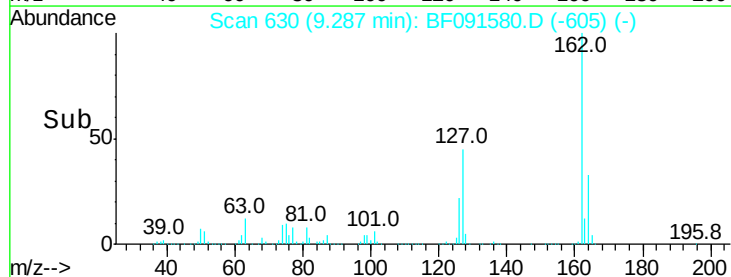
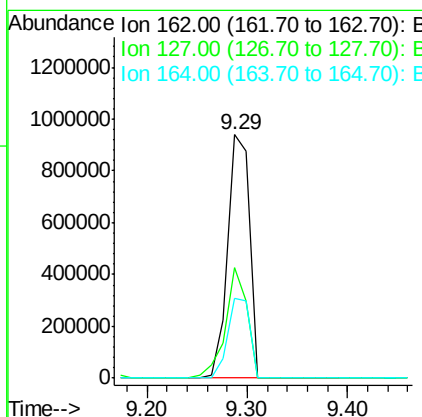
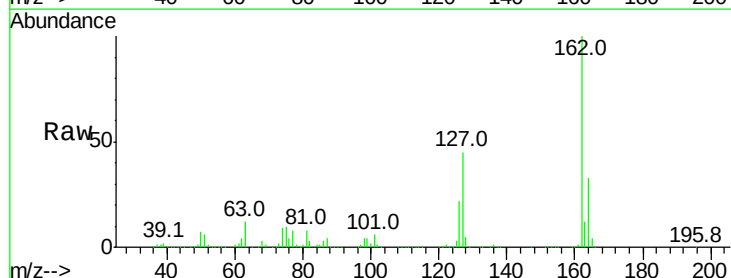
Manual Integrations
 APPROVED

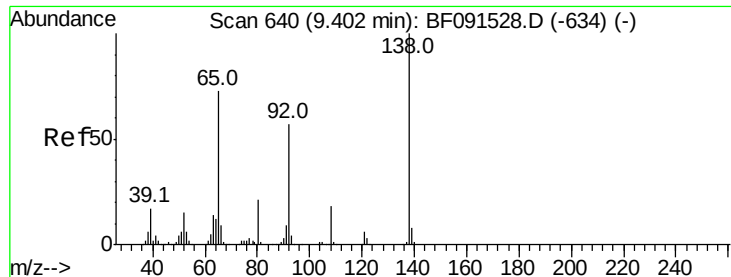
sohil
 12/15/2016 5:39:10 PM



#46
 2-Chloronaphthalene
 Concen: 42.68 ng
 RT: 9.29 min Scan# 630
 Delta R.T. -0.01 min
 Lab File: BF091580.D
 Acq: 14 Dec 2016 12:34

Tgt Ion	Ratio	Lower	Upper
162	100		
127	45.5	34.3	51.5
164	32.8	26.6	40.0





#47

2-Nitroaniline

Concen: 44.37 ng

RT: 9.39 min Scan# 639

Delta R.T. -0.01 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Instrument :

BNA_F

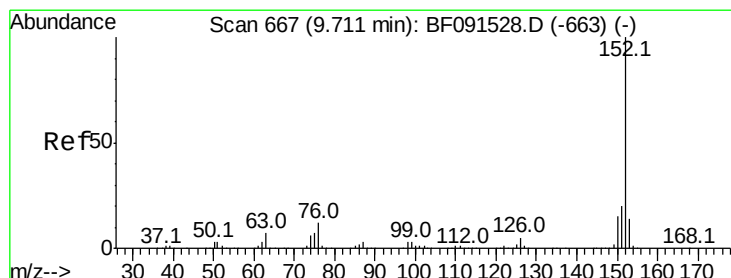
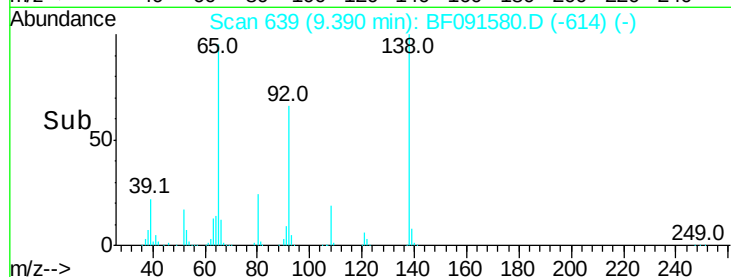
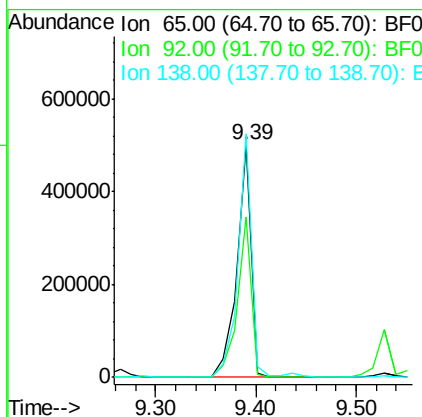
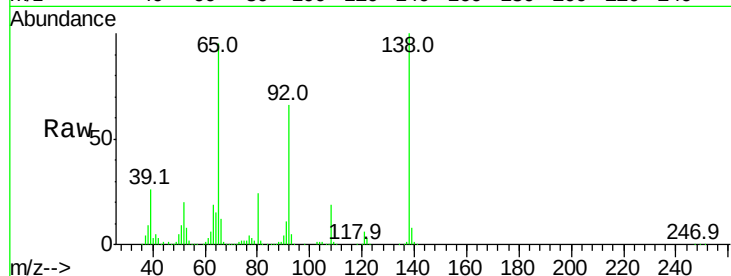
ClientSampleId :

PB95306BSD

Tot Ion:	65	Resp:	492576
Ion Ratio	Lower	Upper	
65	100		
92	68.9	53.6	80.4
138	104.8	91.0	136.6

Manual Integrations
APPROVED

sohil
12/15/2016 5:39:10 PM



#48

Acenaphthylene

Concen: 44.67 ng

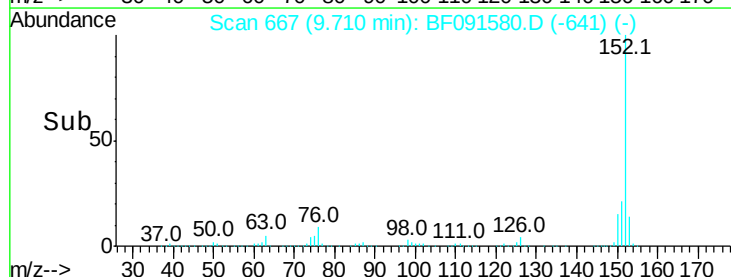
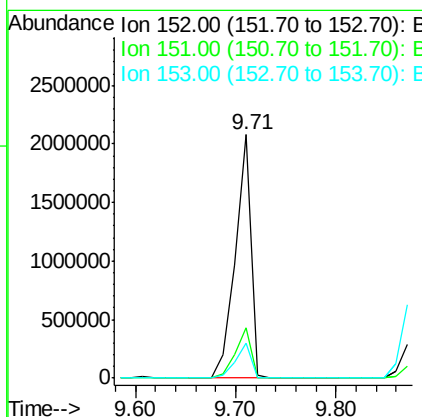
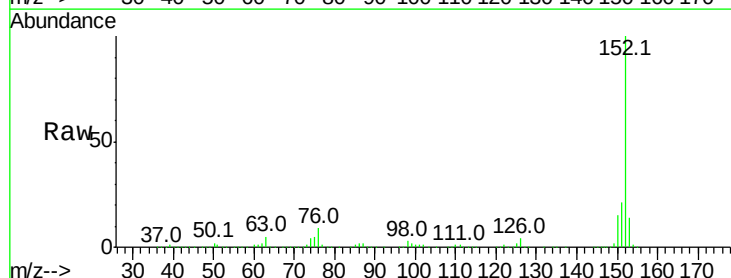
RT: 9.71 min Scan# 667

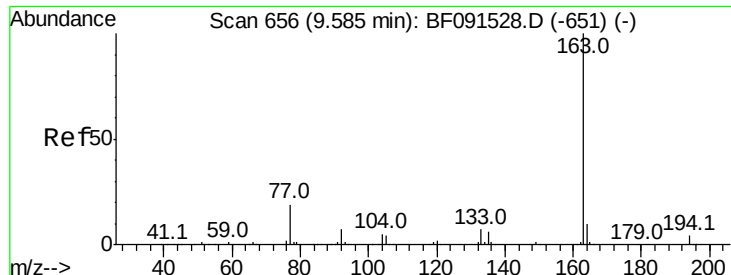
Delta R.T. -0.00 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Tgt Ion:	152	Resp:	2247905
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.6	24.8
153	14.2	10.7	16.1





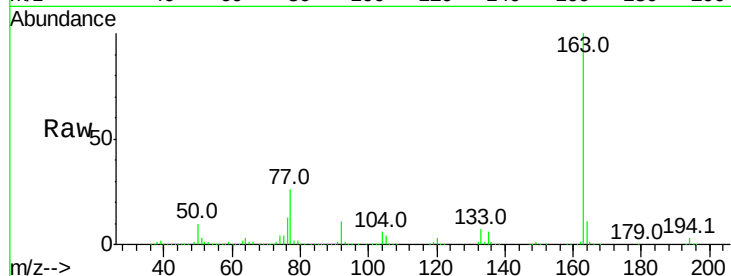
#49
Dimethylphthalate
Concen: 39.69 ng
RT: 9.57 min Scan# 655
Delta R.T. -0.01 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Instrument :
BNA_F
ClientSampleId :
PB95306BSD

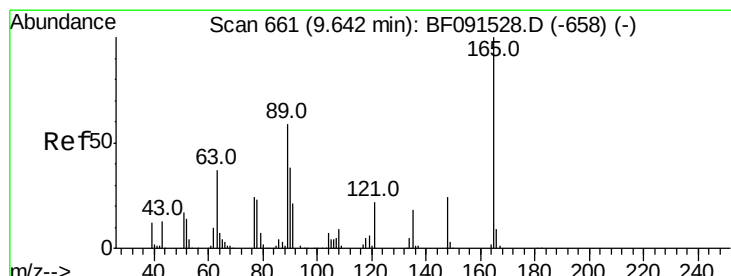
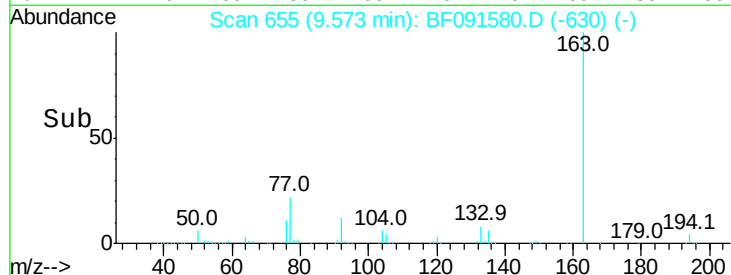
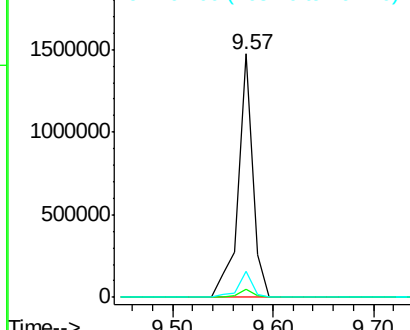
Tot Ion:163 Resp: 1479284
Ion Ratio Lower Upper
163 100
194 3.3 3.0 4.4
164 10.9 7.8 11.8

Manual Integrations
APPROVED

sohil
12/15/2016 5:39:10 PM

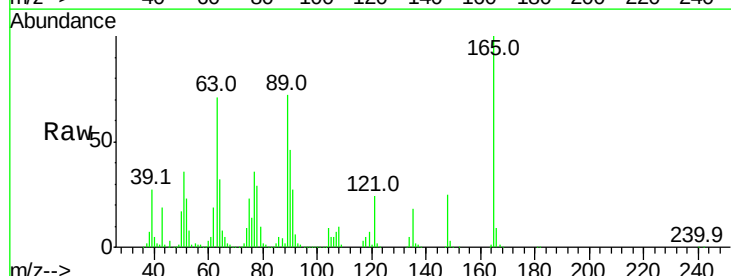


Abundance Ion 163.00 (162.70 to 163.70): E
2000000
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

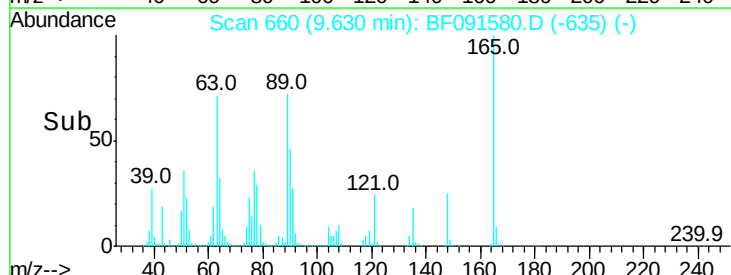
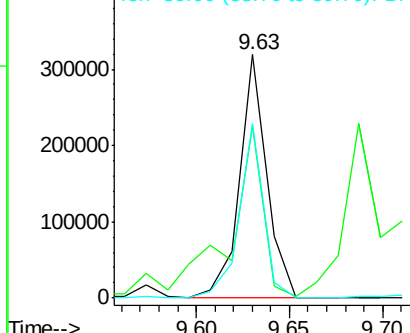


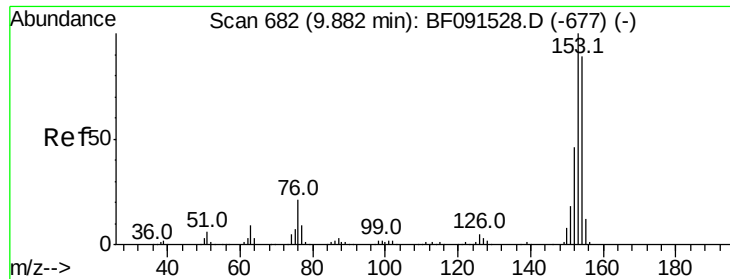
#50
2,6-Dinitrotoluene
Concen: 39.64 ng
RT: 9.63 min Scan# 660
Delta R.T. -0.01 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Tgt Ion:165 Resp: 324256
Ion Ratio Lower Upper
165 100
63 70.6 59.4 89.0
89 71.7 50.8 76.2



Abundance Ion 165.00 (164.70 to 165.70): E
400000
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 46.13 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.00 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Instrument :

BNA_F

ClientSampleId :

PB95306BSD

Tot Ion:154 Resp: 1612313

Ion Ratio Lower Upper

154 100

153 111.6 91.0 136.6

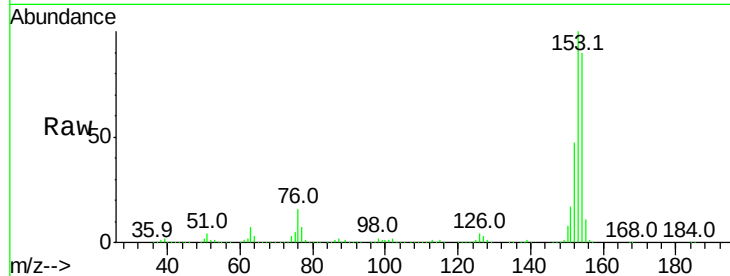
152 52.3 44.2 66.2

Manual Integrations

APPROVED

sohil

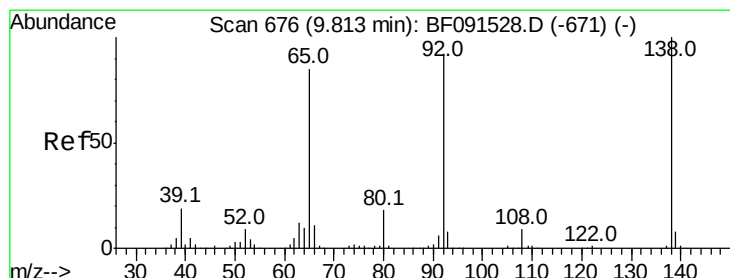
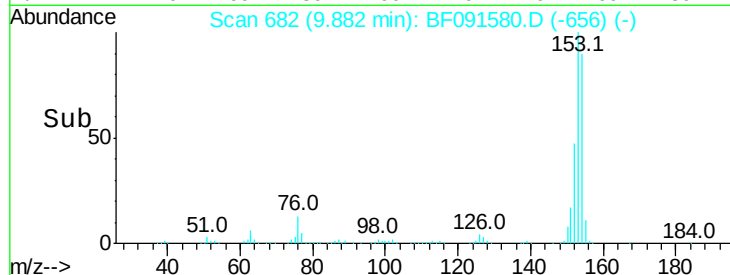
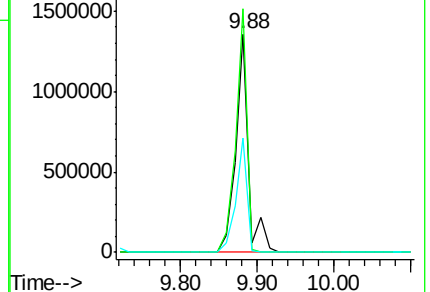
12/15/2016 5:39:10 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 18.32 ng

RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

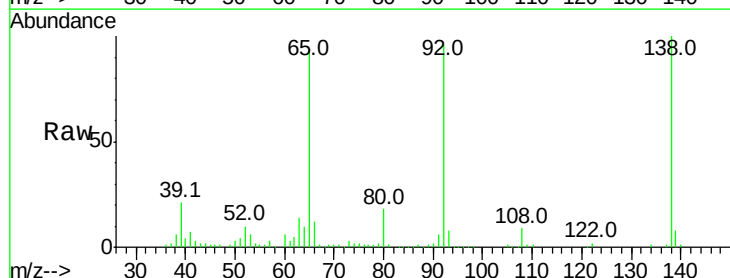
Tgt Ion:138 Resp: 176023

Ion Ratio Lower Upper

138 100

108 9.0 8.1 12.1

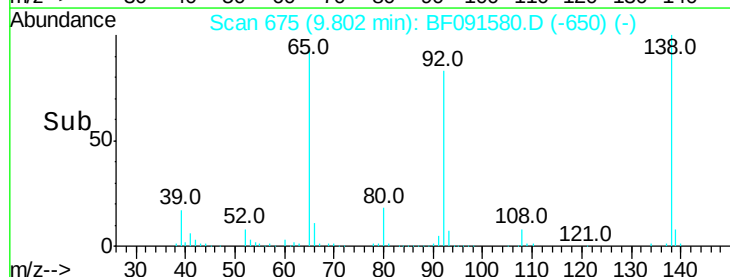
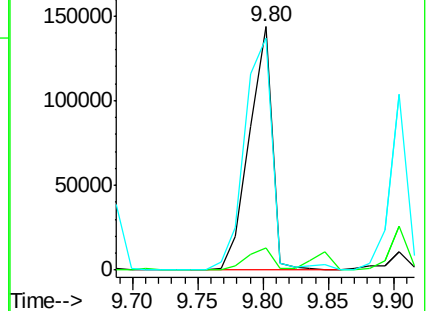
92 95.5 92.5 138.7

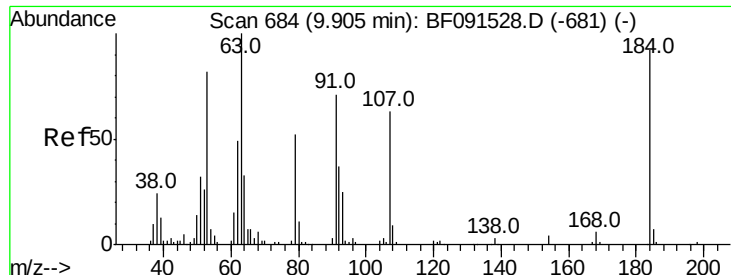


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





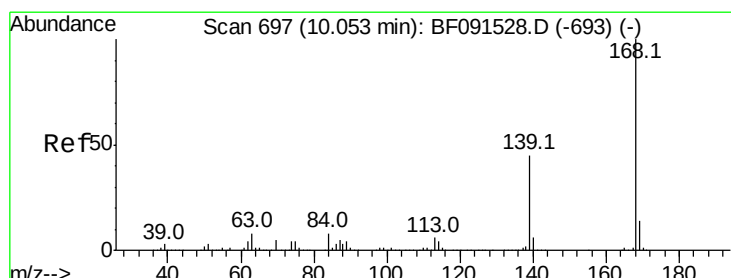
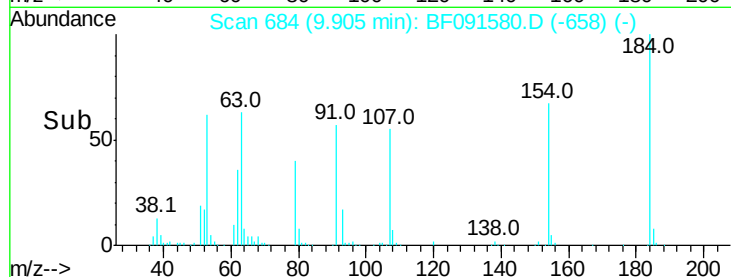
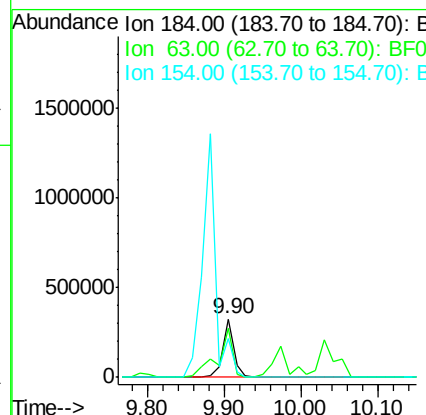
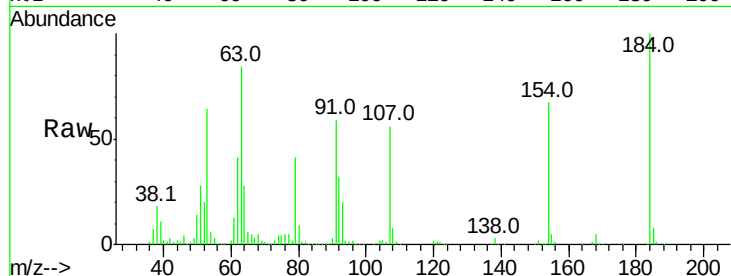
#53
 2,4-Dinitrophenol
 Concen: 71.01 ng
 RT: 9.90 min Scan# 684
 Delta R.T. 0.00 min
 Lab File: BF091580.D
 Acq: 14 Dec 2016 12:34

Instrument :
 BNA_F
 ClientSampleId :
 PB95306BSD

Tot Ion	Ratio	Lower	Upper
184	100		
63	84.3	58.3	87.5
154	67.4	48.6	73.0

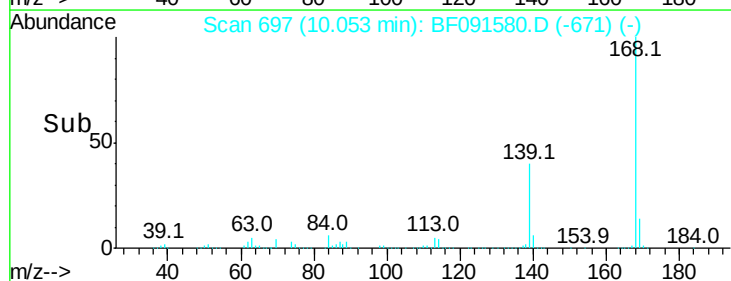
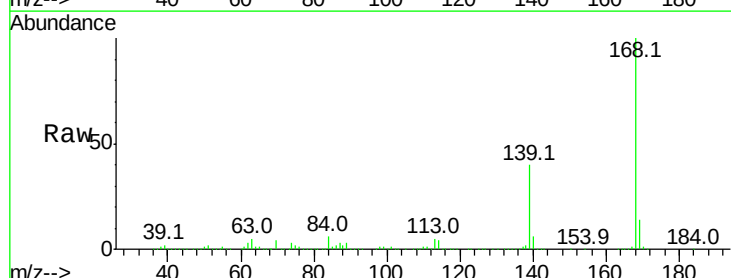
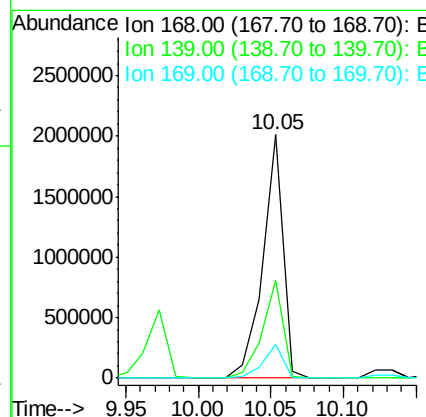
Manual Integrations
 APPROVED

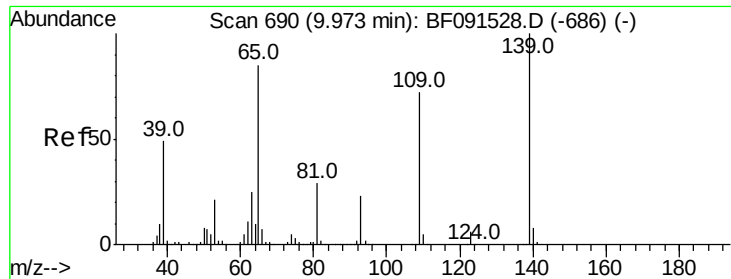
sohil
 12/15/2016 5:39:10 PM



#54
 Dibenzofuran
 Concen: 44.96 ng
 RT: 10.05 min Scan# 697
 Delta R.T. -0.00 min
 Lab File: BF091580.D
 Acq: 14 Dec 2016 12:34

Tgt Ion	Ratio	Lower	Upper
168	100		
139	40.0	33.4	50.2
169	13.9	11.1	16.7





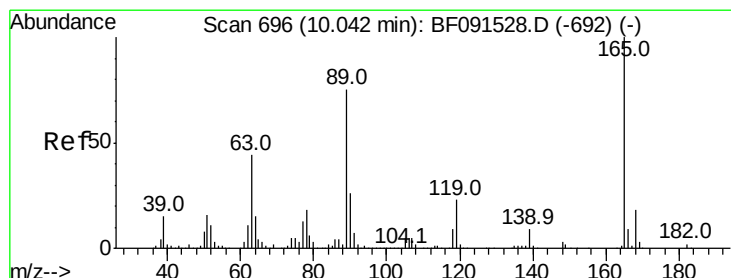
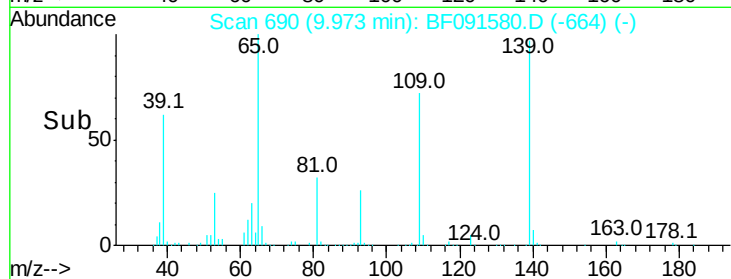
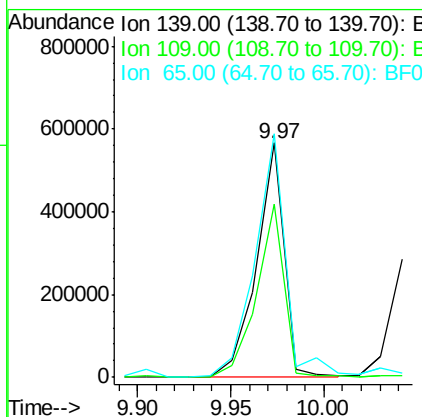
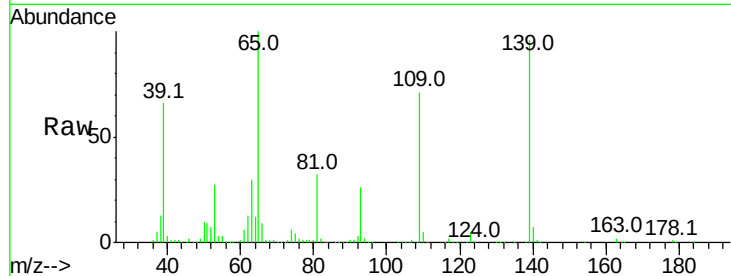
#55
4-Nitrophenol
Concen: 80.72 ng
RT: 9.97 min Scan# 690
Delta R.T. -0.00 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Instrument :
BNA_F
ClientSampleId :
PB95306BSD

Tot Ion	Ratio	Resp	Lower	Upper
139	100			
109	74.1	54.9	94.9	
65	103.9	102.2	142.2	

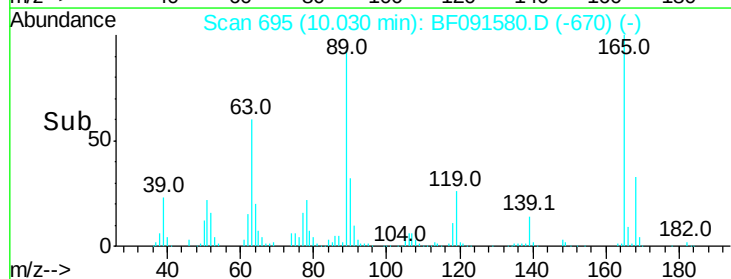
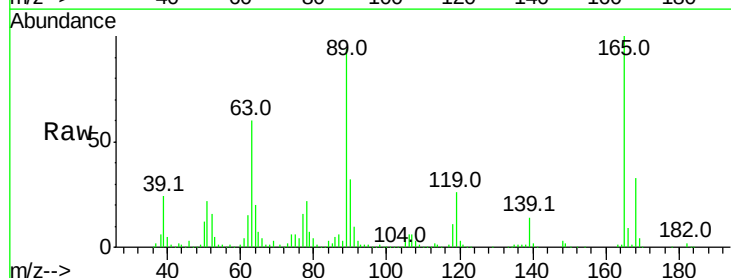
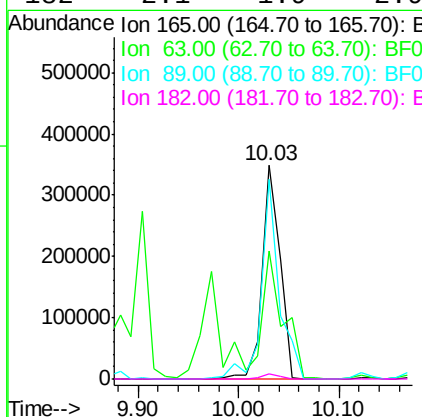
Manual Integrations
APPROVED

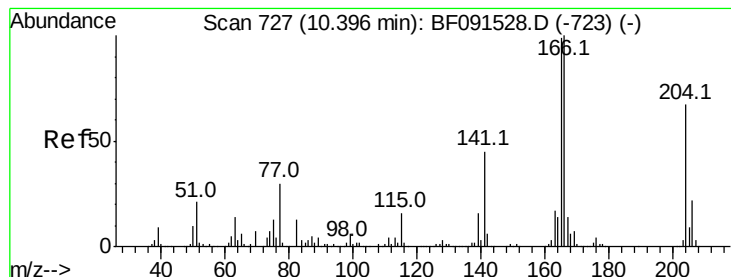
sohil
12/15/2016 5:39:10 PM



#56
2,4-Dinitrotoluene
Concen: 41.46 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.01 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
165	100			
63	59.7	29.0	43.4#	
89	93.5	43.1	64.7#	
182	2.1	1.9	2.9	





#57

Fluorene

Concen: 48.54 ng

RT: 10.40 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Instrument :

BNA_F

ClientSampleId :

PB95306BSD

Tot Ion:166 Resp: 1487887

Ion Ratio Lower Upper

166 100

165 98.1 80.0 120.0

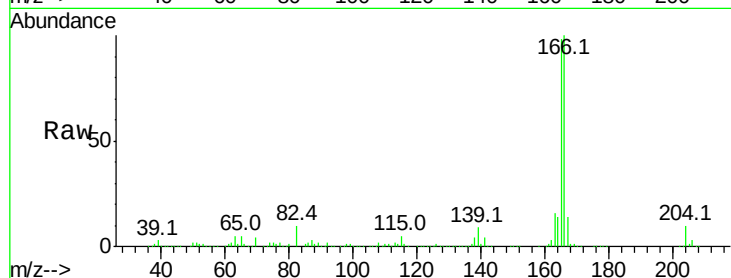
167 13.6 10.8 16.2

Manual Integrations

APPROVED

sohil

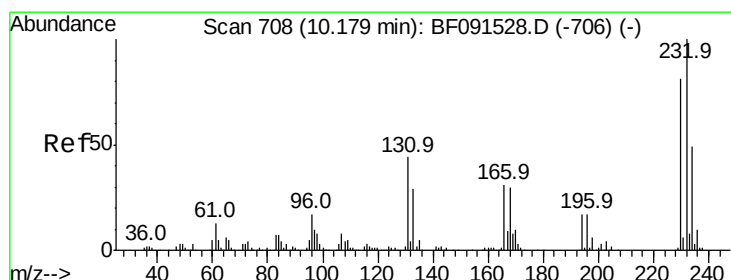
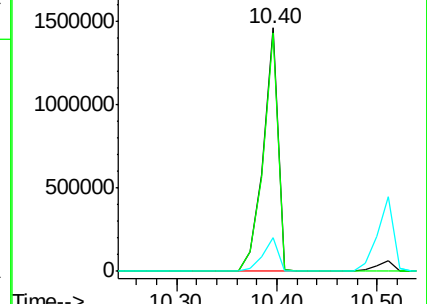
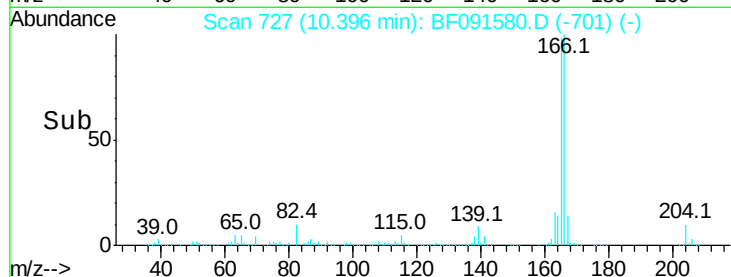
12/15/2016 5:39:10 PM



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 42.79 ng

RT: 10.17 min Scan# 707

Delta R.T. -0.01 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Tgt Ion:232 Resp: 357079

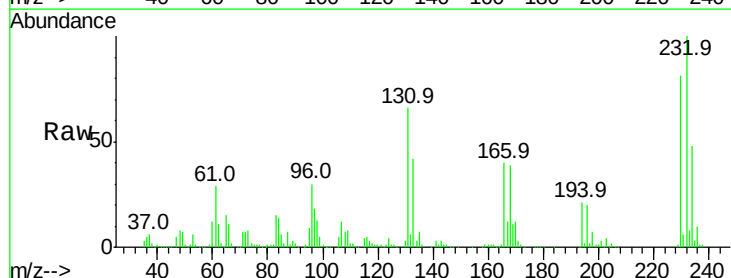
Ion Ratio Lower Upper

232 100

131 53.7 38.4 57.6

130 2.6 1.8 2.8

166 33.7 23.9 35.9

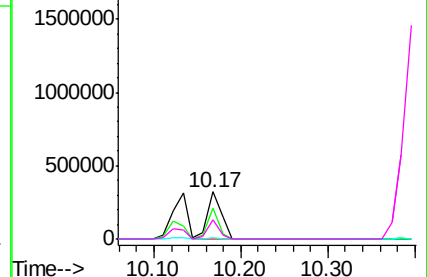
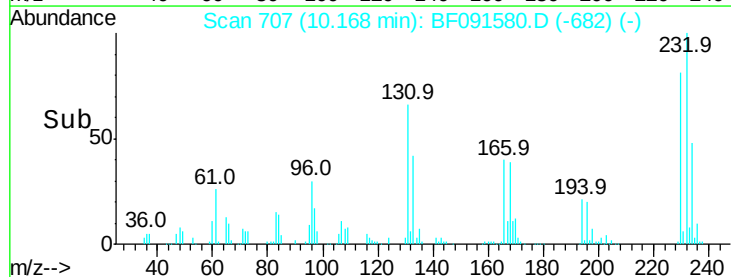


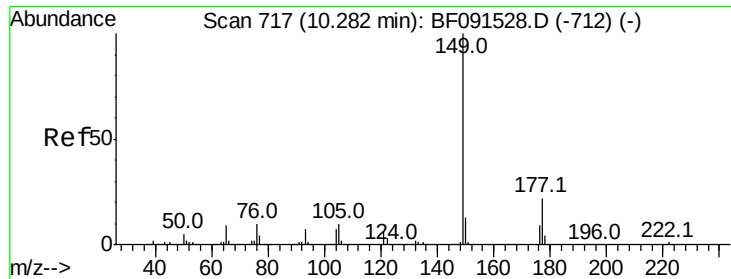
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





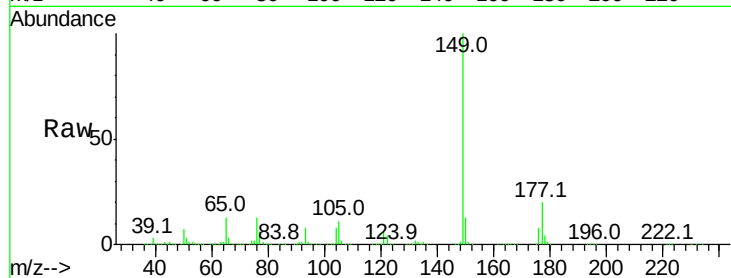
#59
Diethylphthalate
Concen: 41.53 ng
RT: 10.27 min Scan# 716
Delta R.T. -0.01 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Instrument :
BNA_F
ClientSampleId :
PB95306BSD

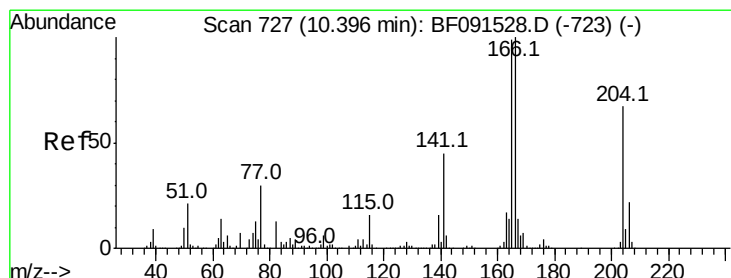
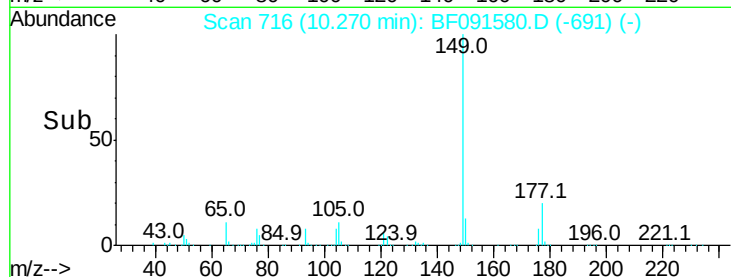
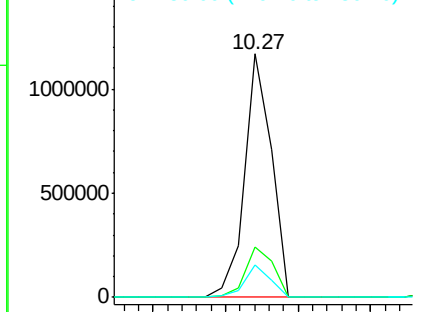
Tot Ion:149 Resp: 1490608
Ion Ratio Lower Upper
149 100
177 20.5 15.7 23.5
150 13.1 10.2 15.2

Manual Integrations
APPROVED

sohil
12/15/2016 5:39:10 PM

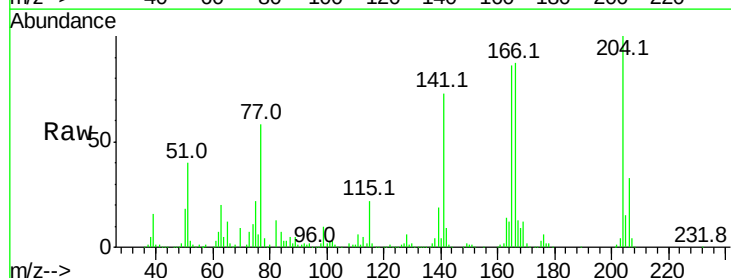


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

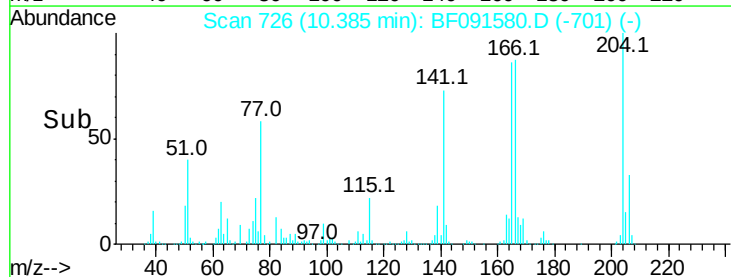
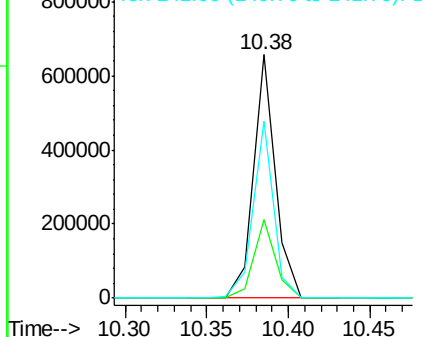


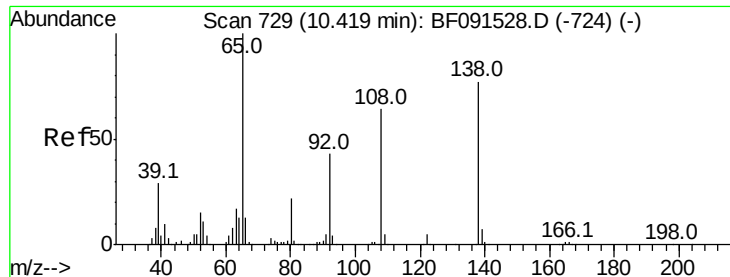
#60
4-Chlorophenyl-phenylether
Concen: 39.37 ng
RT: 10.38 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Tgt Ion:204 Resp: 612146
Ion Ratio Lower Upper
204 100
206 32.5 26.1 39.1
141 72.8 40.6 61.0#



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





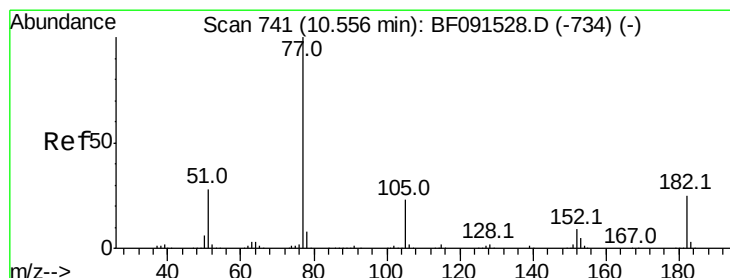
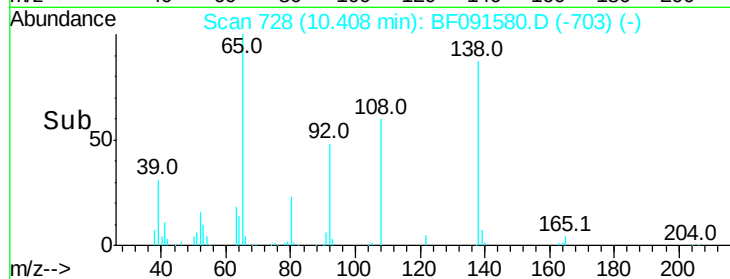
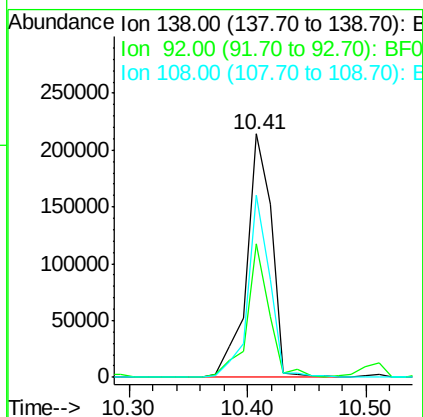
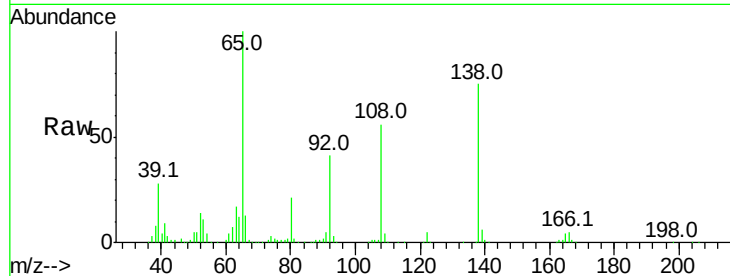
#61
4-Nitroaniline
Concen: 32.98 ng
RT: 10.41 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Instrument :
BNA_F
ClientSampleId :
PB95306BSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	54.7	26.9	66.9
108	74.6	49.1	89.1

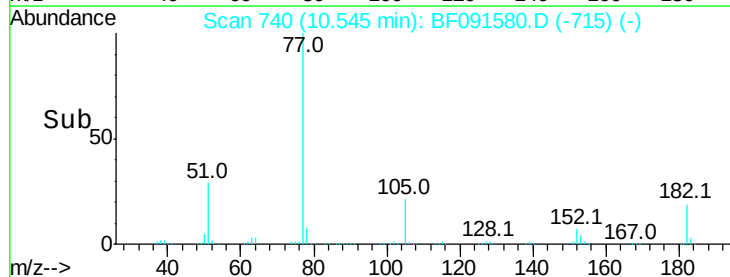
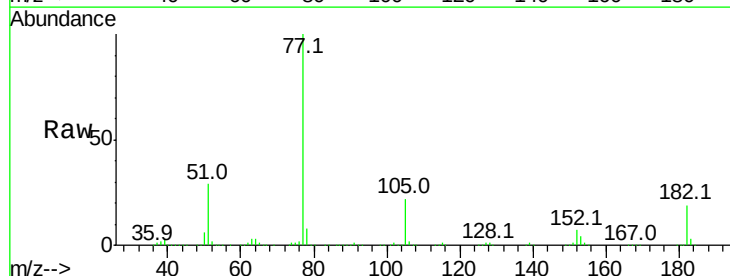
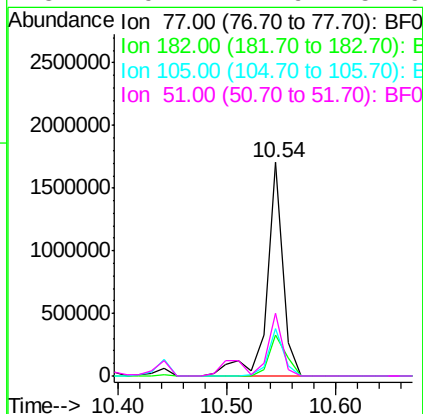
Manual Integrations
APPROVED

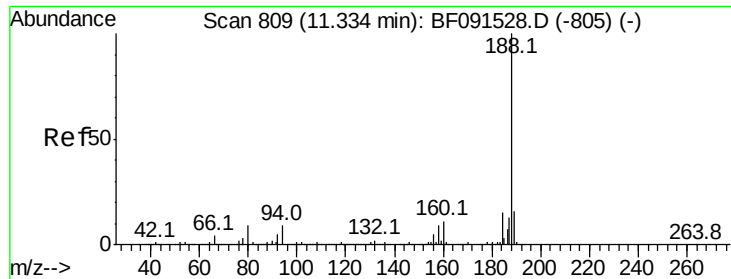
sohil
12/15/2016 5:39:10 PM



#62
Azobenzene
Concen: 43.38 ng
RT: 10.54 min Scan# 740
Delta R.T. -0.01 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Tgt Ion	Ratio	Lower	Upper
77	100		
182	19.2	12.5	52.5
105	22.3	3.7	43.7
51	29.2	11.9	51.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Instrument :

BNA_F

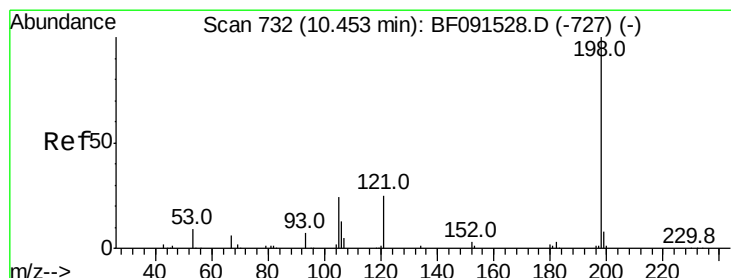
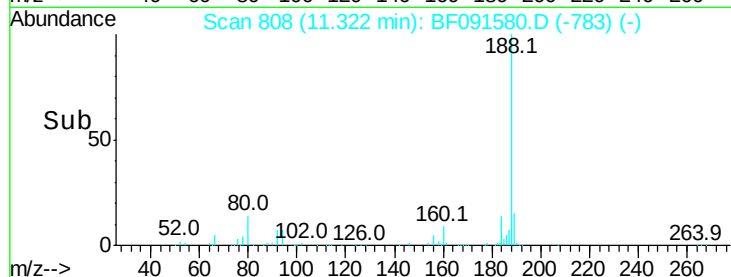
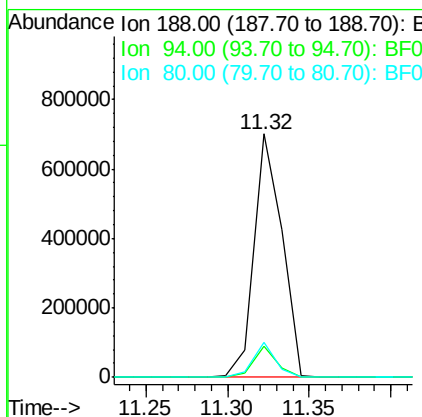
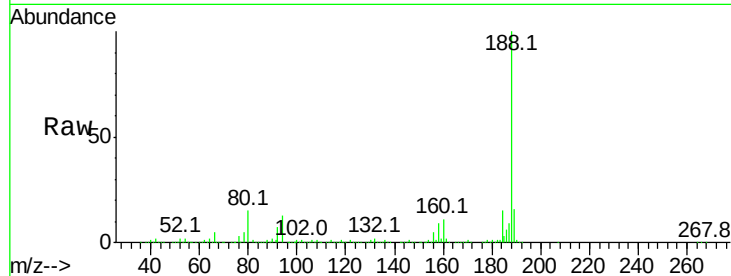
ClientSampleId :

PB95306BSD

Tot Ion:	188	Resp:	833620
Ion Ratio	Lower	Upper	
188	100		
94	13.0	9.2	13.8
80	14.5	10.5	15.7

Manual Integrations
APPROVED

sohil
12/15/2016 5:39:10 PM



#64

4,6-Dinitro-2-methylphenol

Concen: 48.30 ng

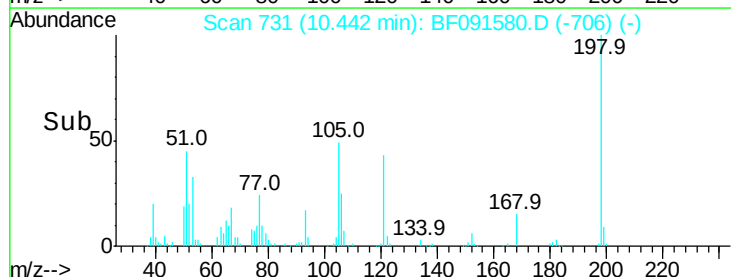
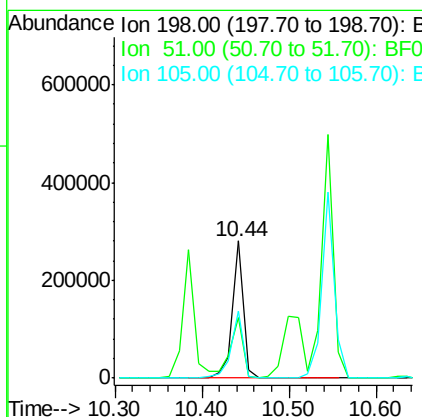
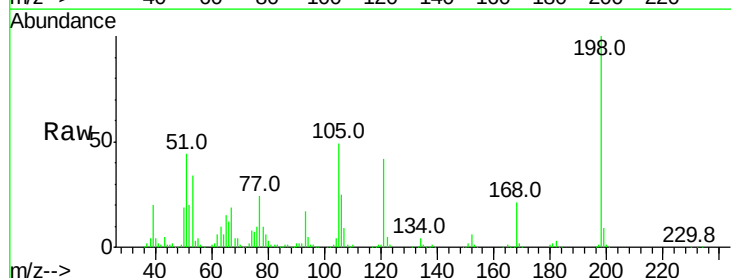
RT: 10.44 min Scan# 731

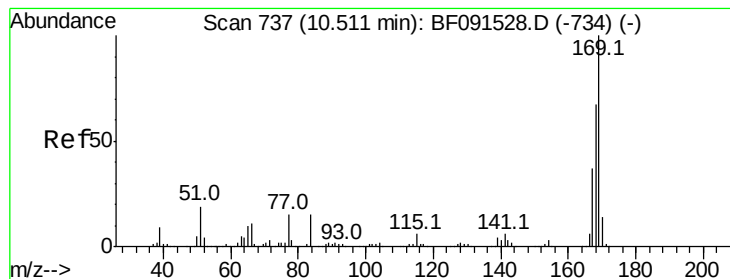
Delta R.T. -0.01 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Tgt Ion:	198	Resp:	244629
Ion Ratio	Lower	Upper	
198	100		
51	44.4	77.1	117.1#
105	48.9	44.8	84.8





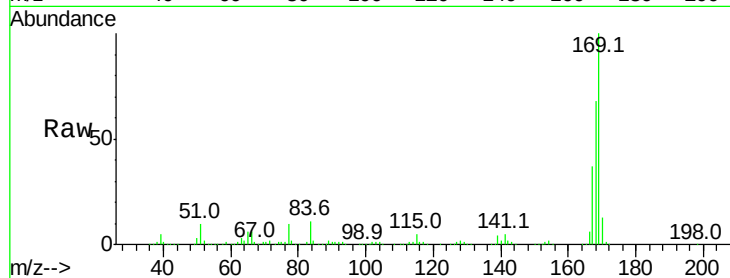
#65
n-Nitrosodiphenylamine
Concen: 53.01 ng
RT: 10.51 min Scan# 737
Delta R.T. -0.00 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Instrument :
BNA_F
ClientSampleId :
PB95306BSD

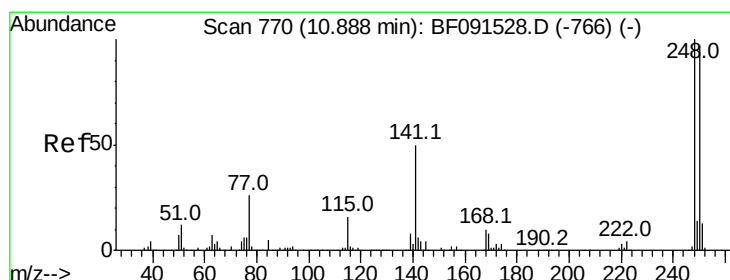
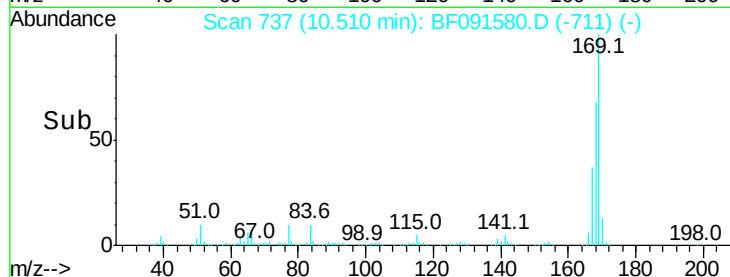
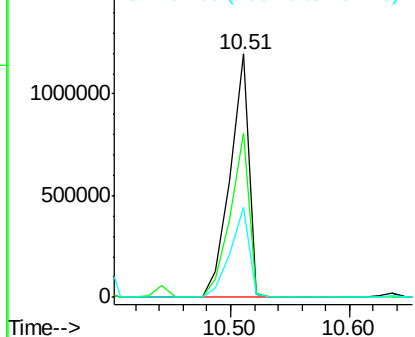
Tot Ion:169 Resp: 1317442
Ion Ratio Lower Upper
169 100
168 67.7 53.8 80.8
167 37.2 29.8 44.8

Manual Integrations
APPROVED

sohil
12/15/2016 5:39:10 PM

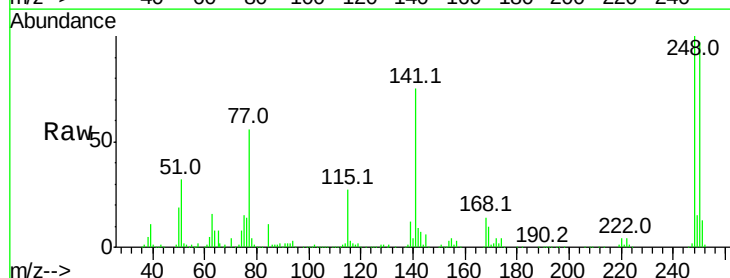


Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E

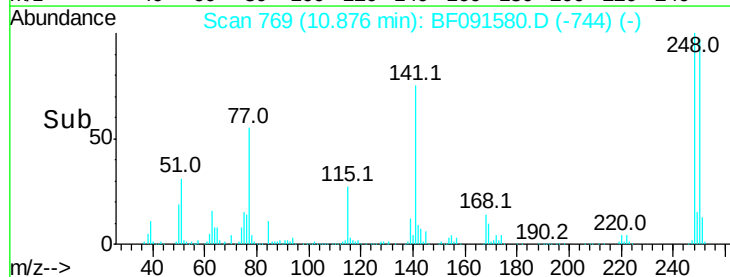
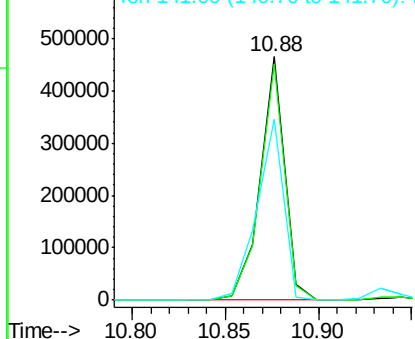


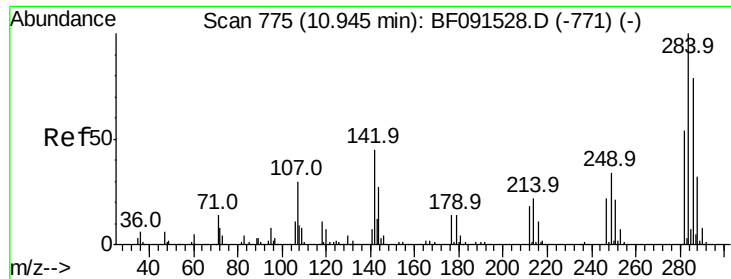
#66
4-Bromophenyl-phenylether
Concen: 49.02 ng
RT: 10.88 min Scan# 769
Delta R.T. -0.01 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Tgt Ion:248 Resp: 418917
Ion Ratio Lower Upper
248 100
250 96.7 78.2 117.4
141 74.5 71.9 107.9



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E





#67

Hexachlorobenzene

Concen: 48.86 ng

RT: 10.94 min Scan# 775

Delta R.T. -0.00 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Instrument :

BNA_F

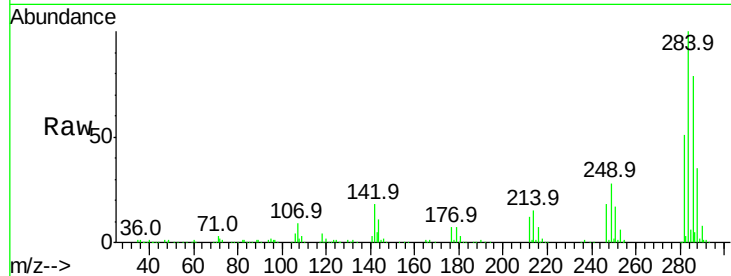
ClientSampleId :

PB95306BSD

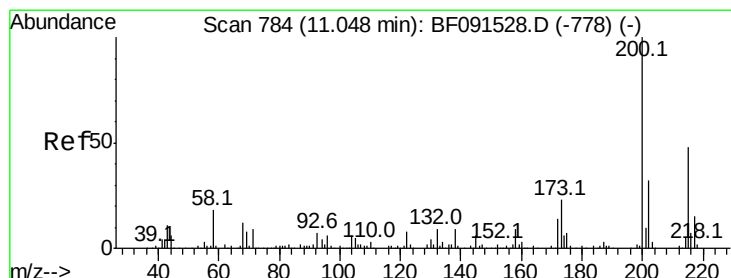
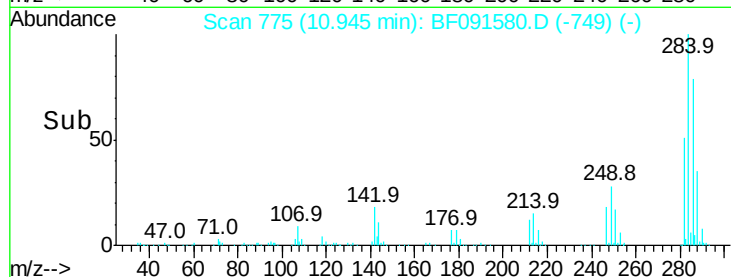
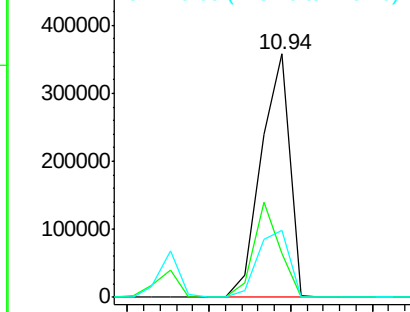
Tot Ion	Ratio	Resp	Lower	Upper
284	100	434239		
142	17.9	17.9	26.9#	
249	27.7	23.6	35.4	

Manual Integrations
APPROVED

sohil
12/15/2016 5:39:10 PM



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 46.26 ng

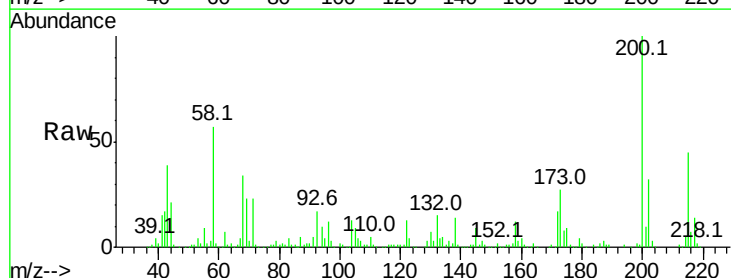
RT: 11.04 min Scan# 783

Delta R.T. -0.01 min

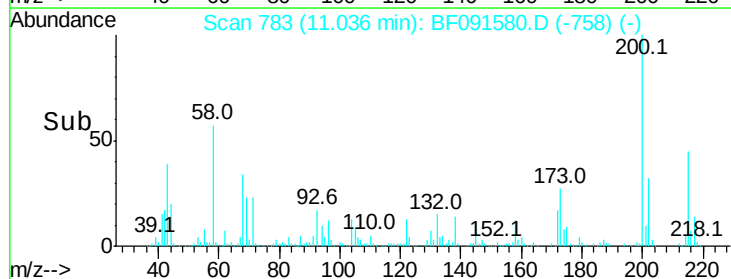
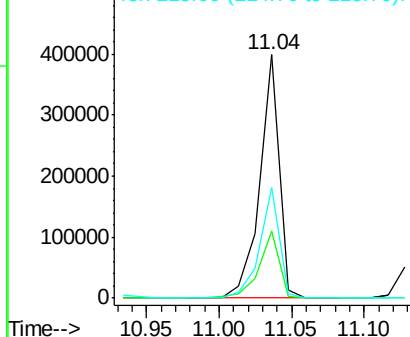
Lab File: BF091580.D

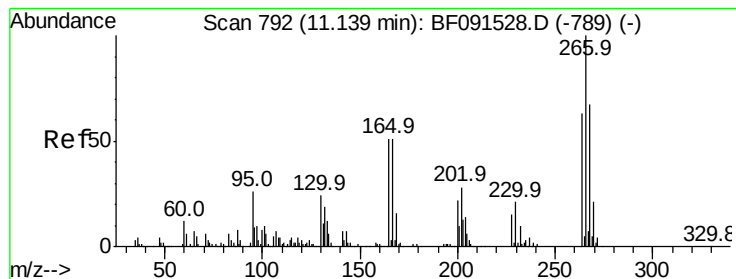
Acq: 14 Dec 2016 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	369669		
173	27.4	7.8	47.8	
215	45.5	24.3	64.3	



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





#69

Pentachlorophenol

Concen: 96.48 ng

RT: 11.14 min Scan# 792

Delta R.T. -0.00 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Instrument :

BNA_F

ClientSampleId :

PB95306BSD

Tot Ion:266 Resp: 482525

Ion Ratio Lower Upper

266 100

268 67.8 50.3 75.5

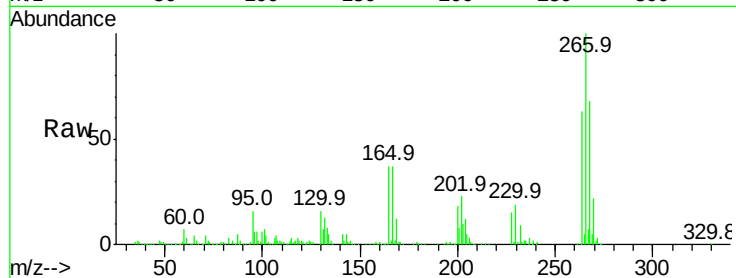
264 62.7 48.2 72.2

Manual Integrations

APPROVED

sohil

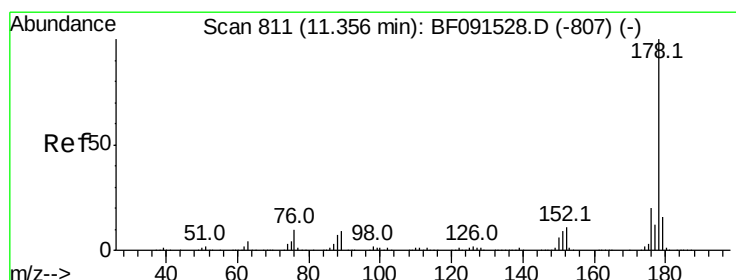
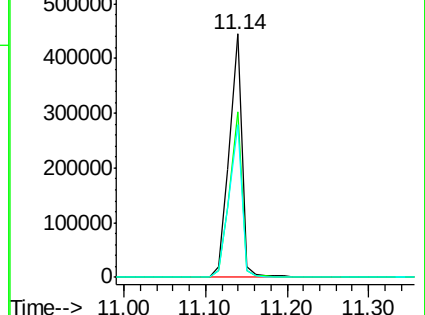
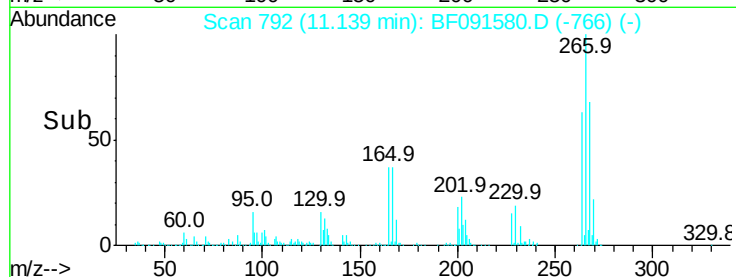
12/15/2016 5:39:10 PM



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: 50.02 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.00 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

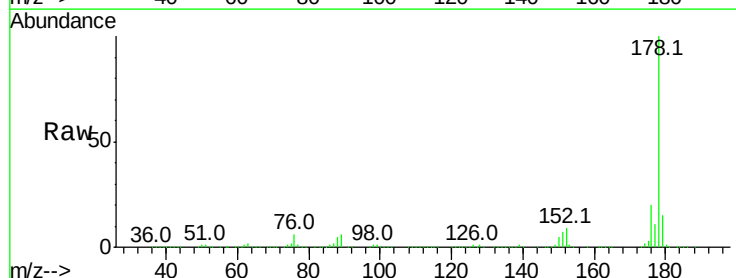
Tgt Ion:178 Resp: 2064922

Ion Ratio Lower Upper

178 100

176 19.6 15.9 23.9

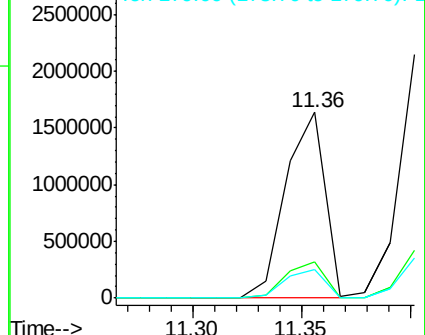
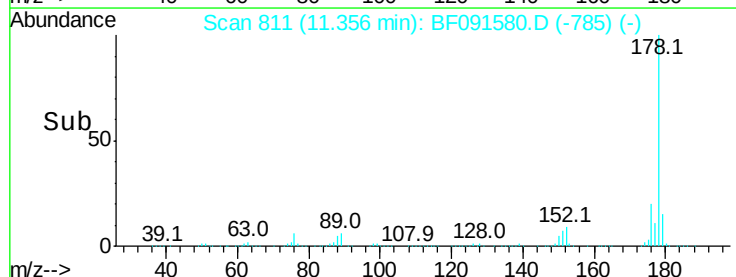
179 15.5 12.6 18.8

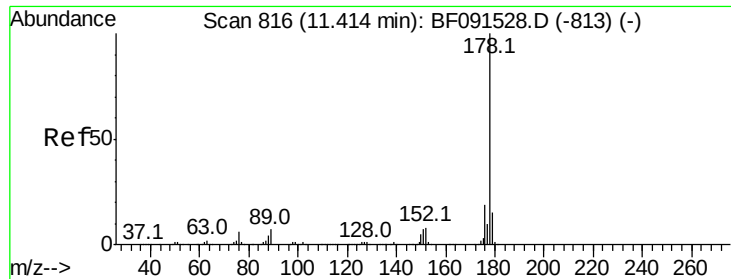


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71
 Anthracene
 Concen: 44.11 ng
 RT: 11.40 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF091580.D
 Acq: 14 Dec 2016 12:34

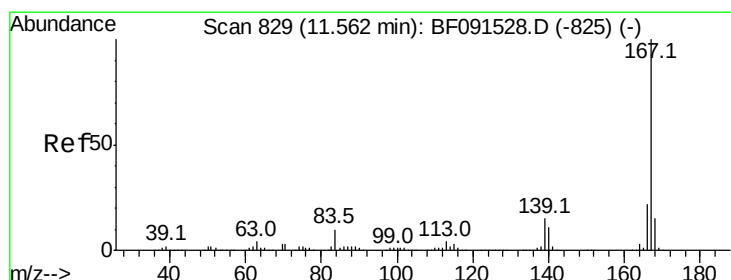
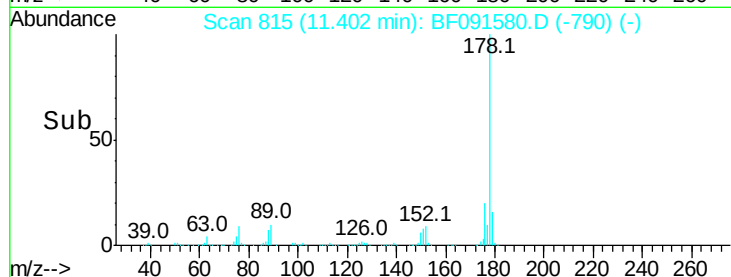
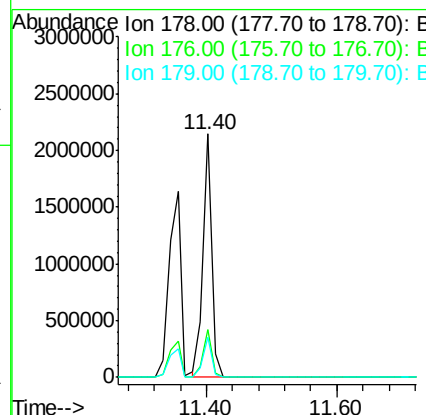
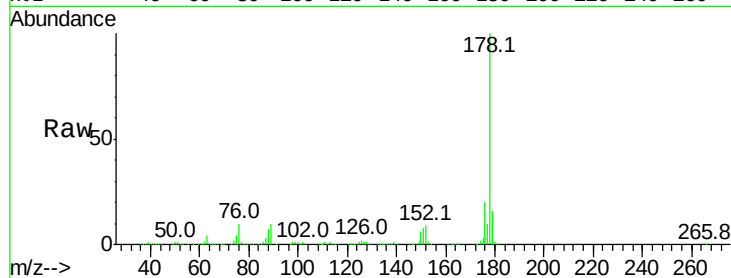
Instrument :
 BNA_F
 ClientSampleId :
 PB95306BSD

Tot Ion:178 Resp: 1964122

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.6
179	16.4	12.7	19.1

Manual Integrations
 APPROVED

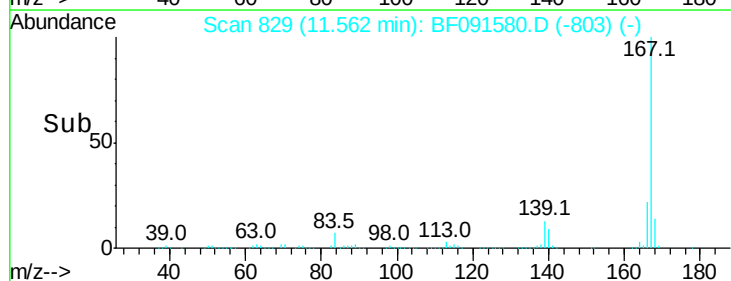
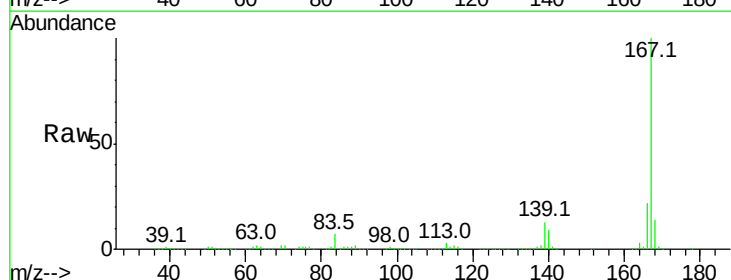
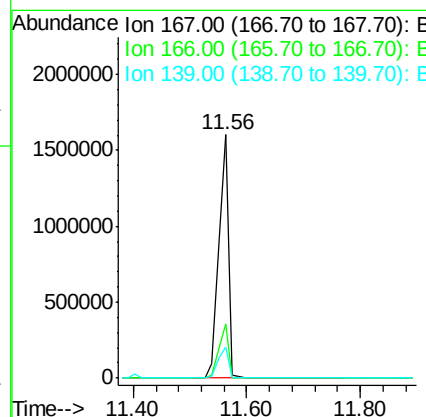
sohil
 12/15/2016 5:39:10 PM

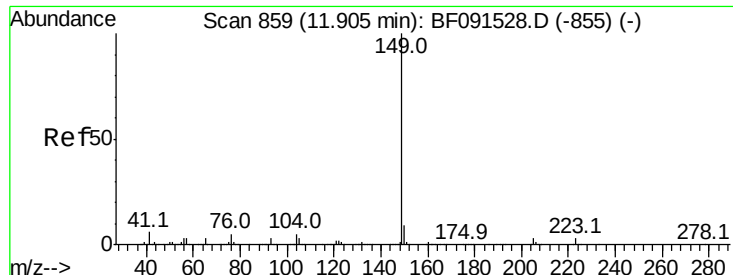


#72
 Carbazole
 Concen: 47.51 ng
 RT: 11.56 min Scan# 829
 Delta R.T. -0.00 min
 Lab File: BF091580.D
 Acq: 14 Dec 2016 12:34

Tgt Ion:167 Resp: 1854370

Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.1	27.1
139	12.7	11.5	17.3





#73

Di-n-butylphthalate

Concen: 44.20 ng

RT: 11.89 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Instrument :

BNA_F

ClientSampleId :

PB95306BSD

Tot Ion:149 Resp: 2009819

Ion Ratio Lower Upper

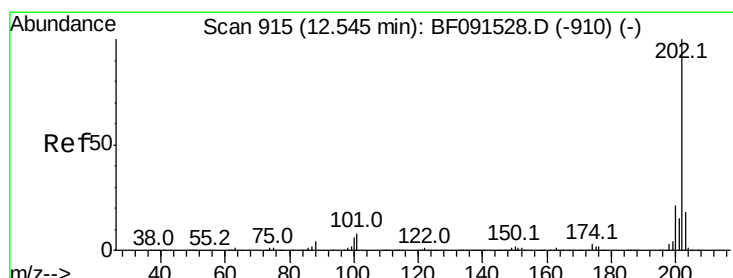
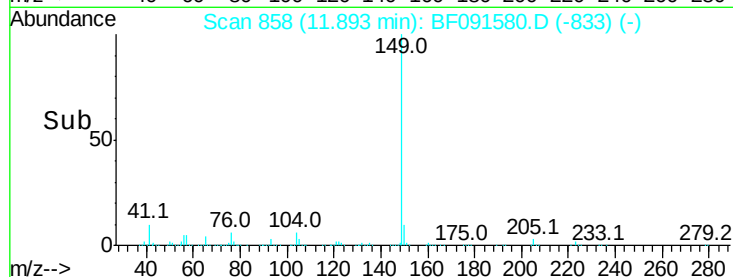
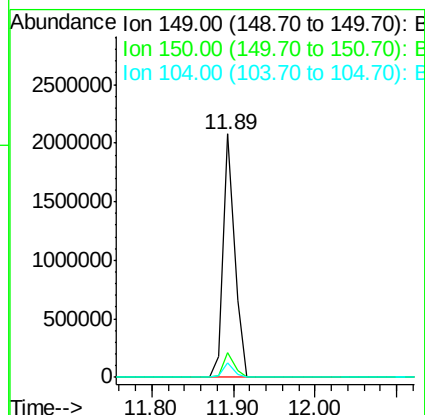
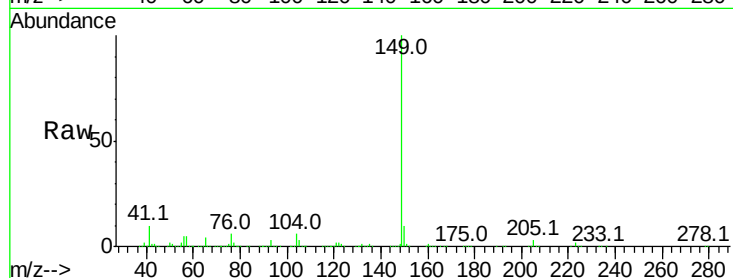
149 100

150 10.0 7.5 11.3

104 5.8 4.0 6.0

Manual Integrations
APPROVED

sohil
12/15/2016 5:39:10 PM



#74

Fluoranthene

Concen: 40.64 ng

RT: 12.53 min Scan# 914

Delta R.T. -0.01 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

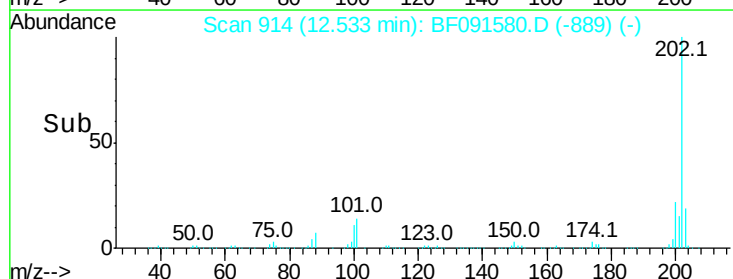
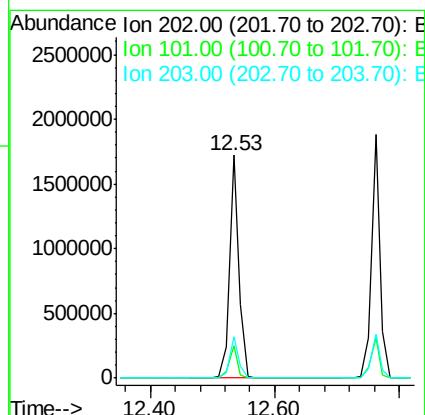
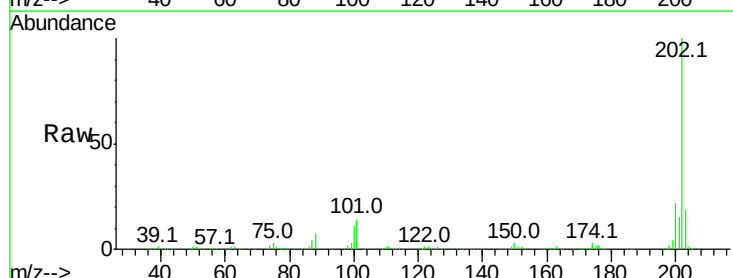
Tgt Ion:202 Resp: 1756843

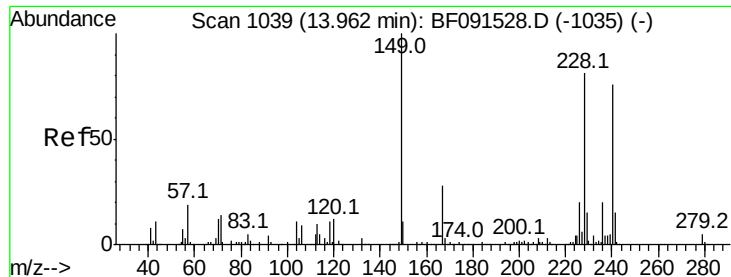
Ion Ratio Lower Upper

202 100

101 14.4 0.0 29.5

203 18.6 0.0 37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Instrument :

BNA_F

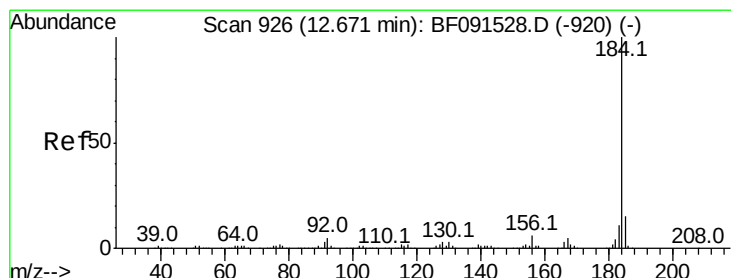
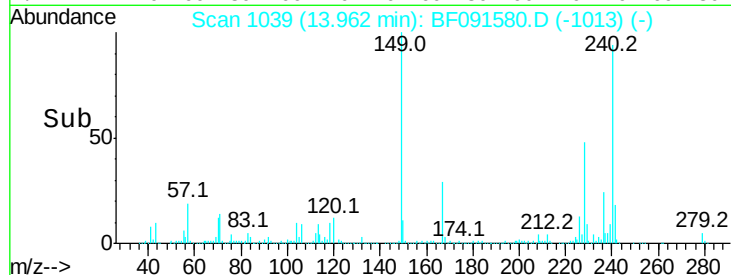
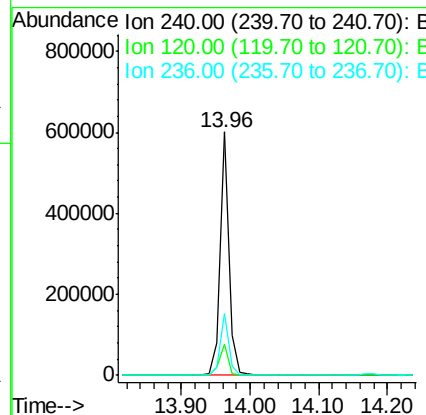
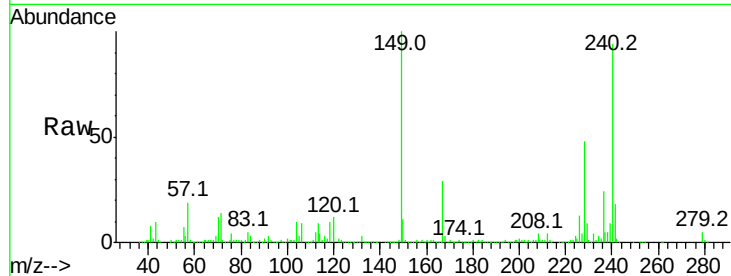
ClientSampleId :

PB95306BSD

Tot Ion:	240	Resp:	547454
Ion Ratio	Lower	Upper	
240	100		
120	12.7	12.1	18.1
236	25.5	21.0	31.6

Manual Integrations
APPROVED

sohil
12/15/2016 5:39:10 PM



#76

Benzidine

Concen: 31.24 ng

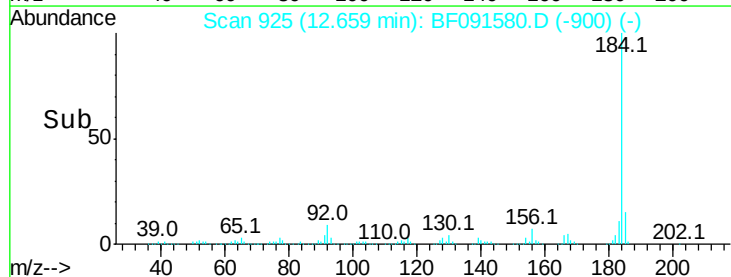
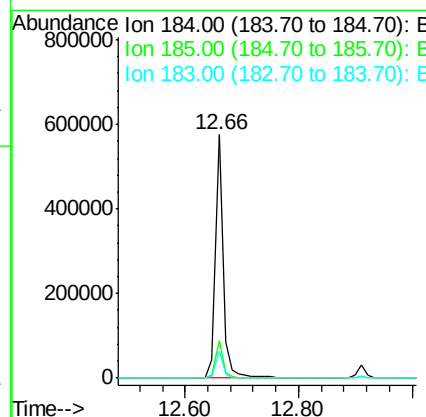
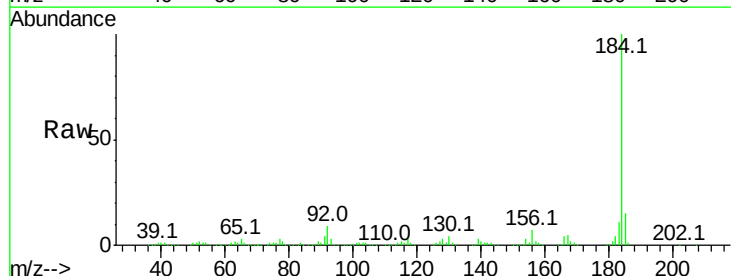
RT: 12.66 min Scan# 925

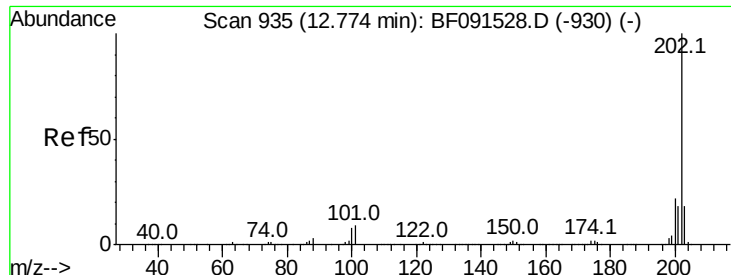
Delta R.T. -0.01 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Tgt Ion:	184	Resp:	528863
Ion Ratio	Lower	Upper	
184	100		
185	15.4	13.1	19.7
183	11.1	8.9	13.3





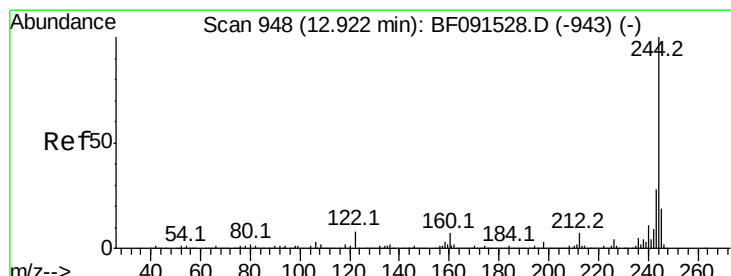
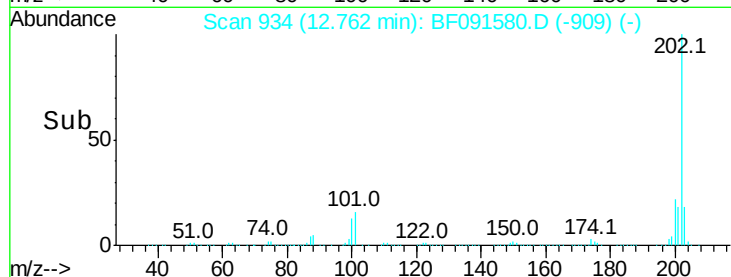
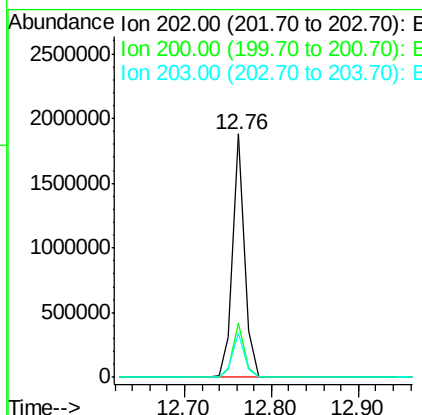
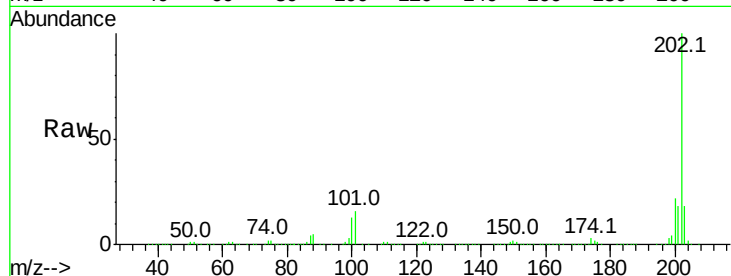
#77
 Pvrene
 Concen: 40.64 ng
 RT: 12.76 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: BF091580.D
 Acq: 14 Dec 2016 12:34

Instrument :
 BNA_F
 ClientSampleId :
 PB95306BSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.6	26.4
203	18.3	14.0	21.0

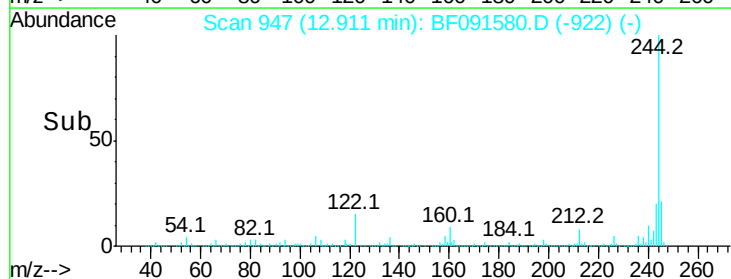
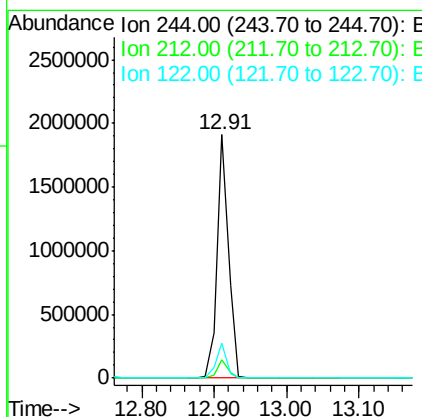
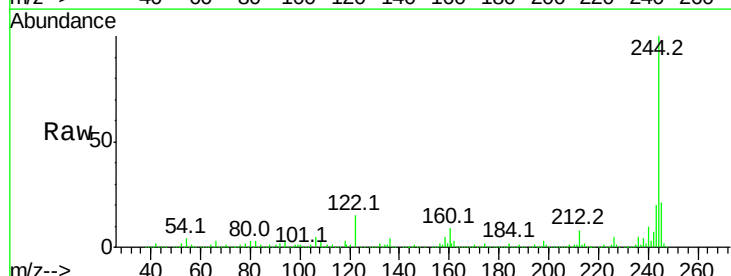
Manual Integrations
 APPROVED

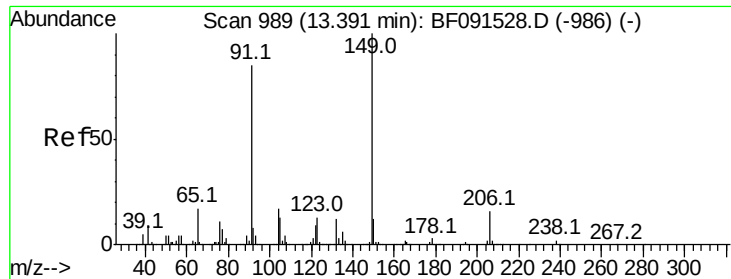
sohil
 12/15/2016 5:39:10 PM



#78
 Terphenyl-d14
 Concen: 86.30 ng
 RT: 12.91 min Scan# 947
 Delta R.T. -0.01 min
 Lab File: BF091580.D
 Acq: 14 Dec 2016 12:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.5	9.7
122	14.5	9.5	14.3





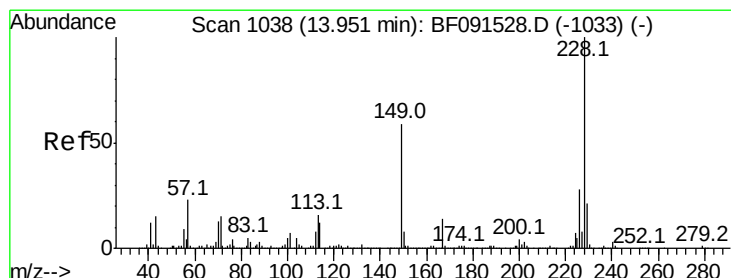
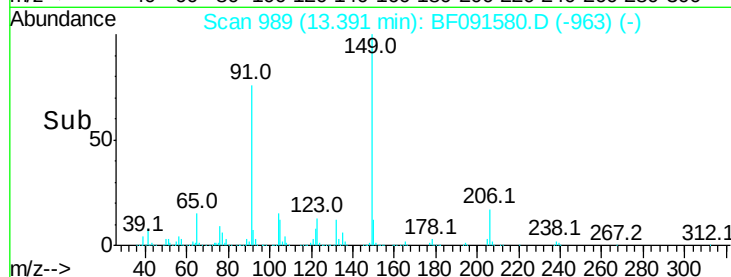
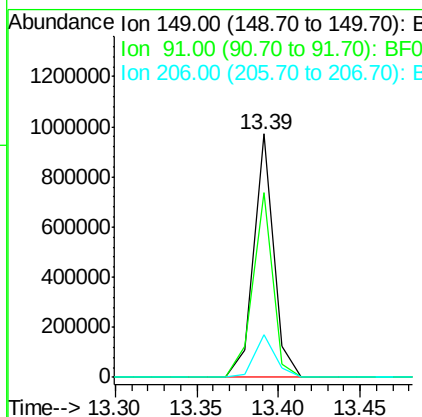
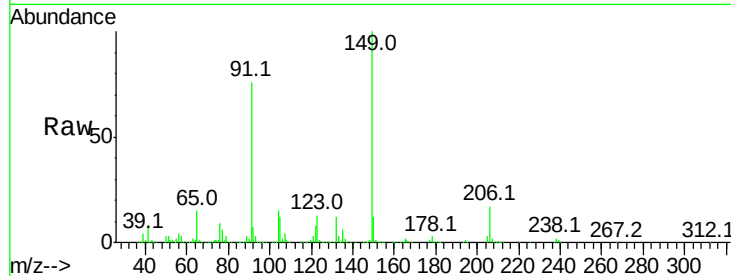
#79
Butylbenzylphthalate
Concen: 49.00 ng
RT: 13.39 min Scan# 989
Delta R.T. -0.00 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Instrument :
BNA_F
ClientSampleId :
PB95306BSD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	829522		
91	75.9	57.4	86.2	
206	17.4	15.4	23.2	

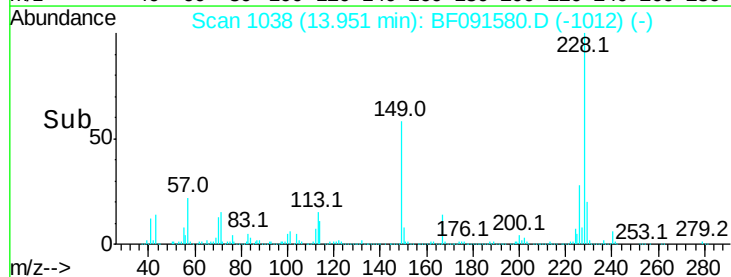
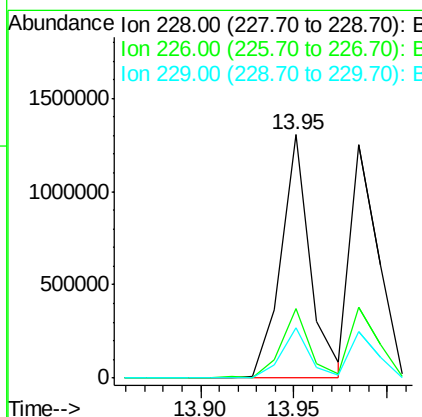
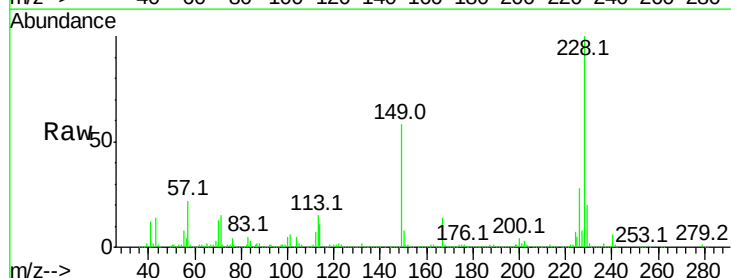
Manual Integrations
APPROVED

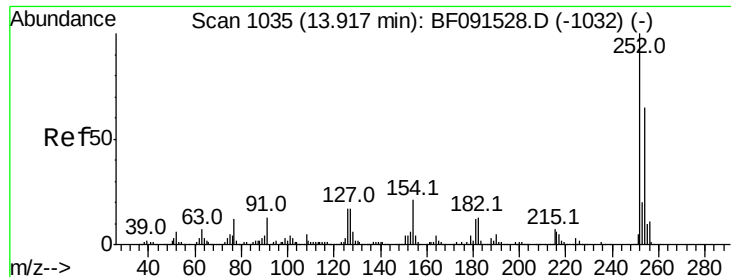
sohil
12/15/2016 5:39:10 PM



#80
Benzo(a)anthracene
Concen: 44.75 ng
RT: 13.95 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1422903		
226	28.4	22.5	33.7	
229	20.5	16.4	24.6	





#81

3,3'-Dichlorobenzidine

Concen: 30.80 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.00 min

Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Instrument :

BNA_F

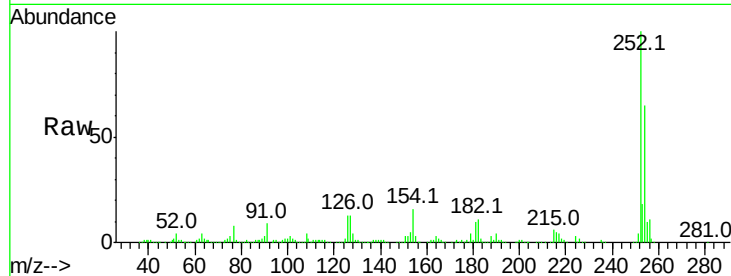
ClientSampleId :

PB95306BSD

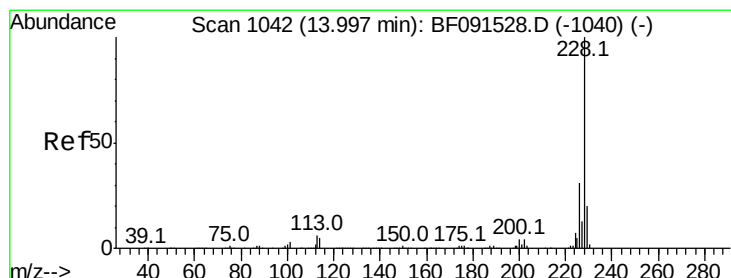
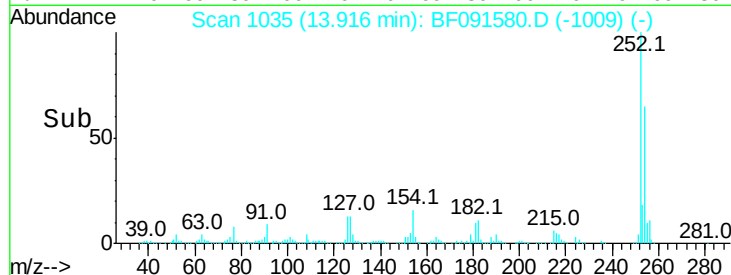
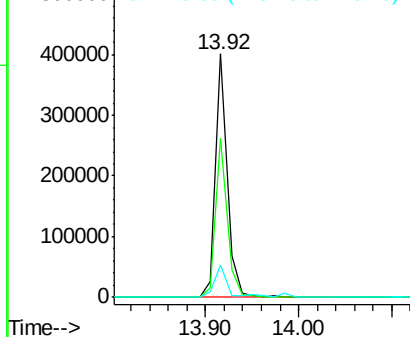
Tot Ion	Ratio	Lower	Upper
252	100		
254	65.2	52.1	78.1
126	13.1	7.5	11.3

Manual Integrations
APPROVED

sohil
12/15/2016 5:39:10 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: 39.46 ng

RT: 13.99 min Scan# 1041

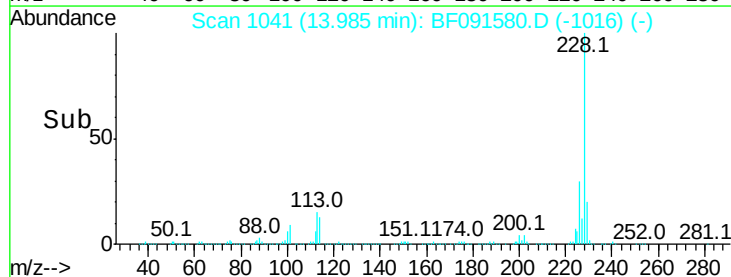
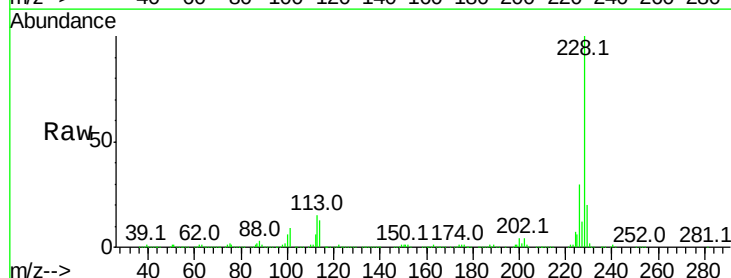
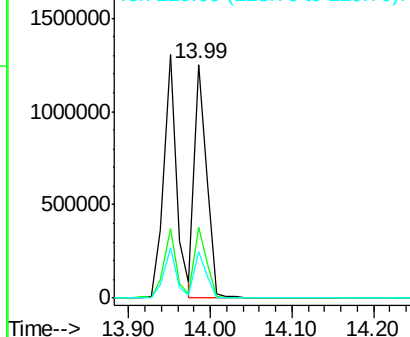
Delta R.T. -0.01 min

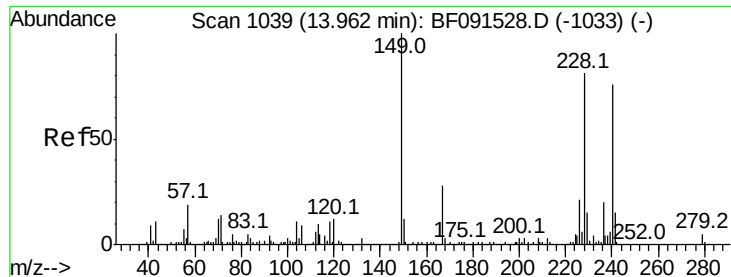
Lab File: BF091580.D

Acq: 14 Dec 2016 12:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.4
229	20.1	16.0	24.0

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





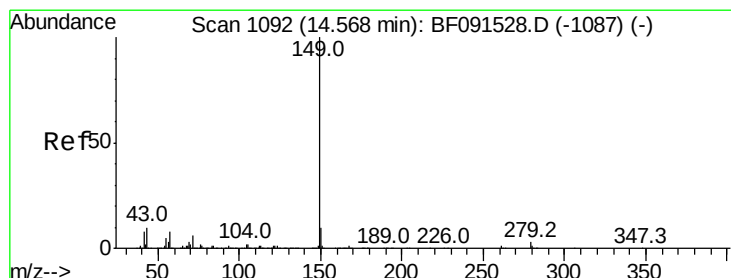
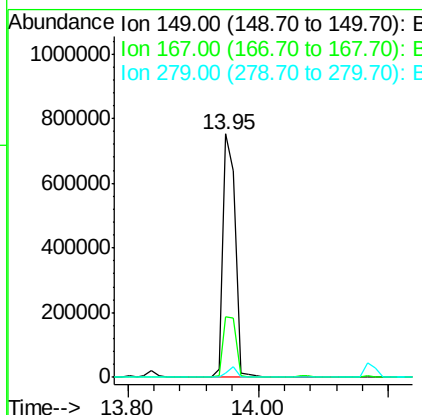
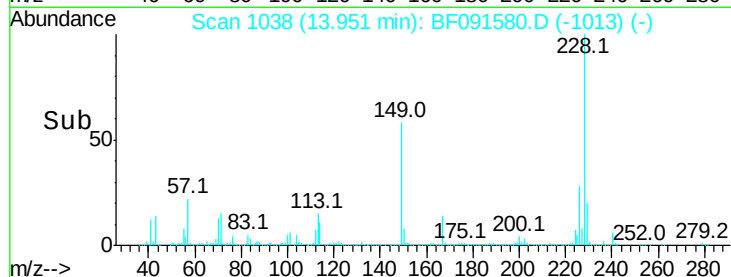
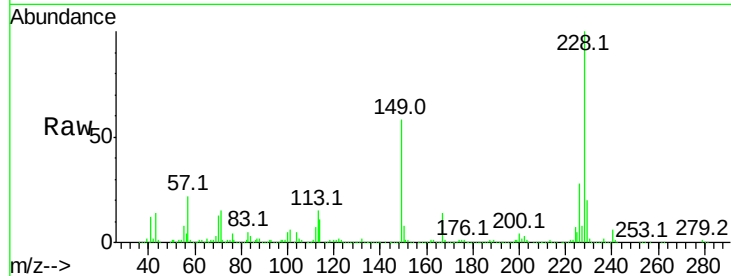
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 45.88 ng
 RT: 13.95 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF091580.D
 Acq: 14 Dec 2016 12:34

Instrument :
 BNA_F
 ClientSampleId :
 PB95306BSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	24.7	19.6	29.4
279	1.9	1.9	2.9

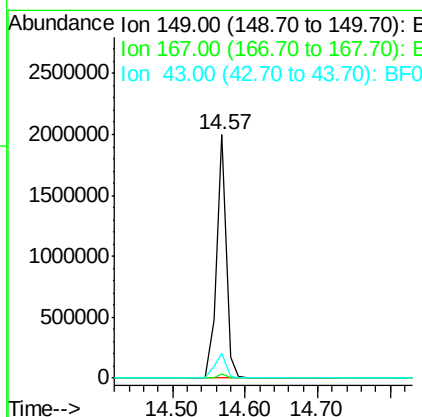
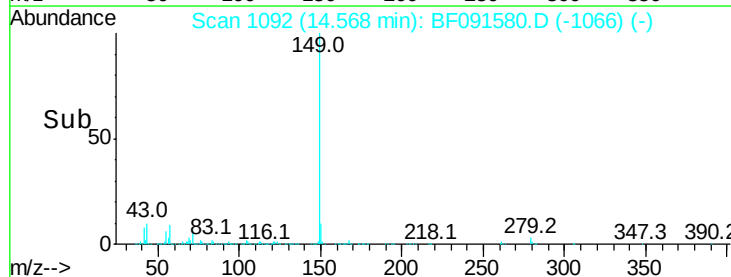
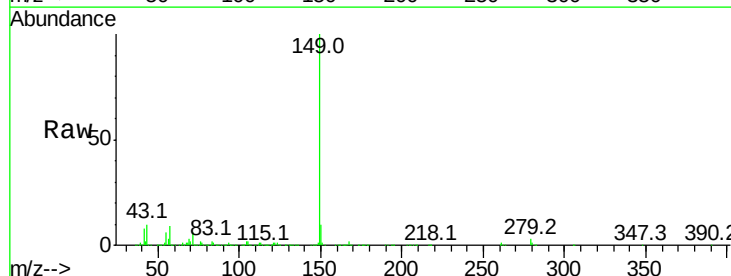
Manual Integrations
 APPROVED

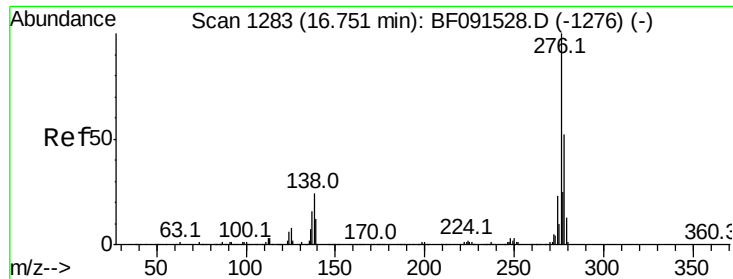
sohil
 12/15/2016 5:39:10 PM



#84
 Di-n-octyl phthalate
 Concen: 49.96 ng
 RT: 14.57 min Scan# 1092
 Delta R.T. -0.00 min
 Lab File: BF091580.D
 Acq: 14 Dec 2016 12:34

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	11.4	11.9	17.9#





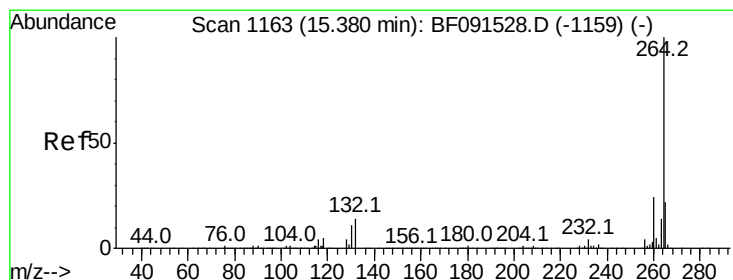
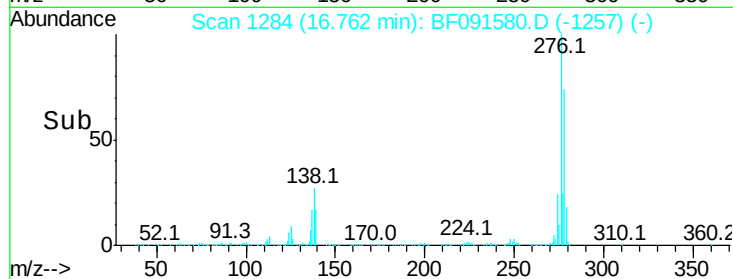
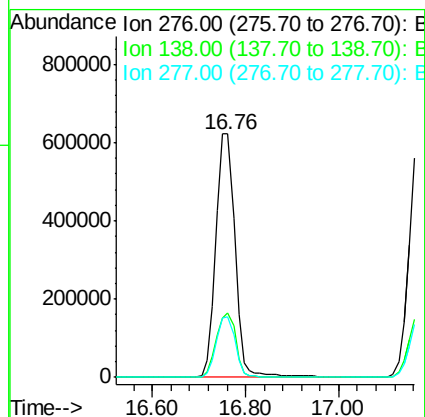
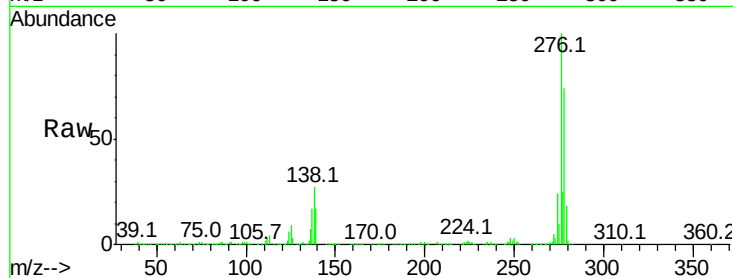
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 59.67 ng
 RT: 16.76 min Scan# 1284
 Delta R.T. 0.01 min
 Lab File: BF091580.D
 Acq: 14 Dec 2016 12:34

Instrument :
 BNA_F
 ClientSampleId :
 PB95306BSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.1	21.0	31.4
277	25.2	20.2	30.2

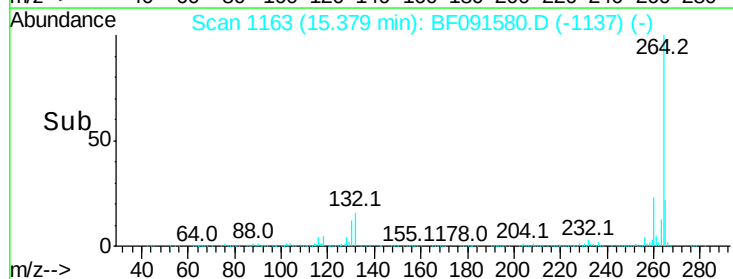
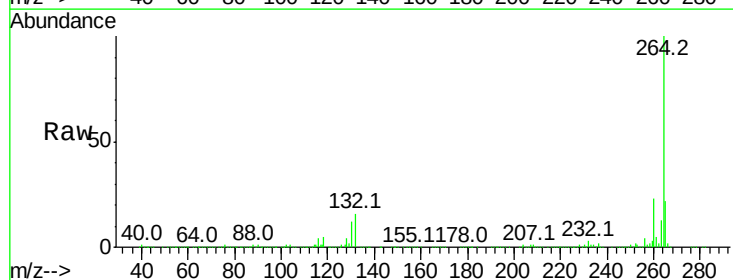
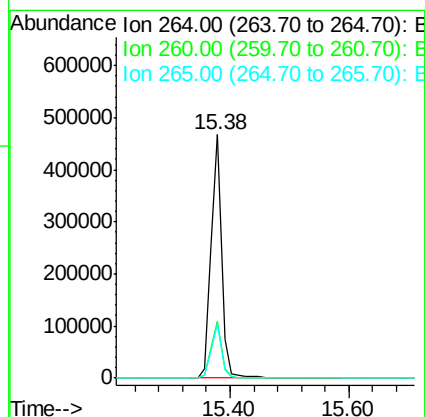
Manual Integrations
 APPROVED

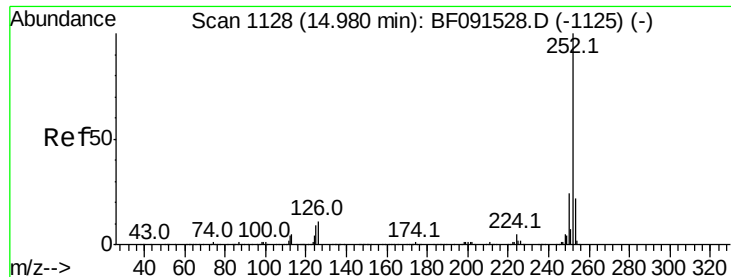
sohil
 12/15/2016 5:39:10 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.38 min Scan# 1163
 Delta R.T. -0.00 min
 Lab File: BF091580.D
 Acq: 14 Dec 2016 12:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	22.4	17.0	25.6





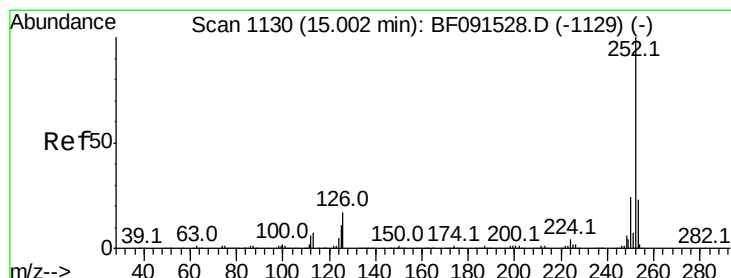
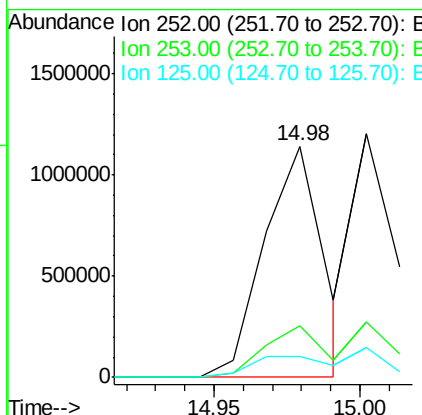
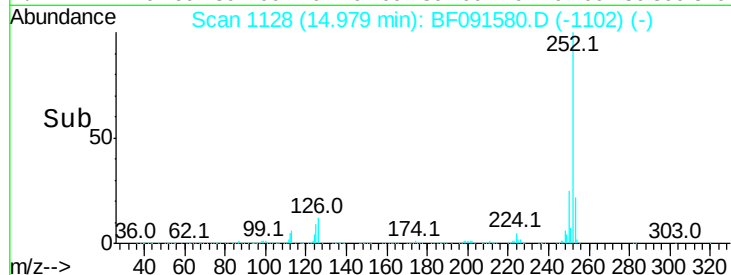
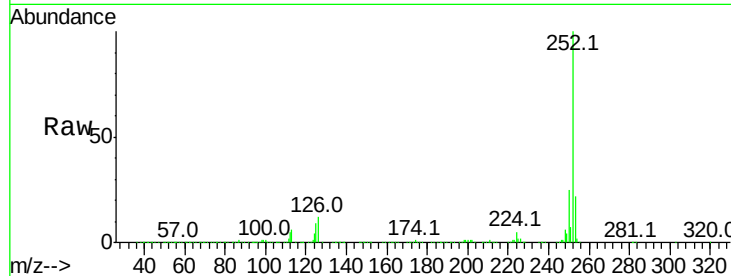
#87
Benzo(b)fluoranthene
Concen: 46.02 ng m
RT: 14.98 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Instrument :
BNA_F
ClientSampleId :
PB95306BSD

Tot Ion:252 Resp: 1593979
Ion Ratio Lower Upper
252 100
253 22.1 18.2 27.2
125 9.0 8.6 13.0

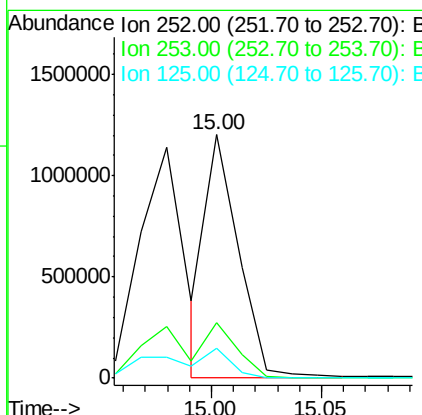
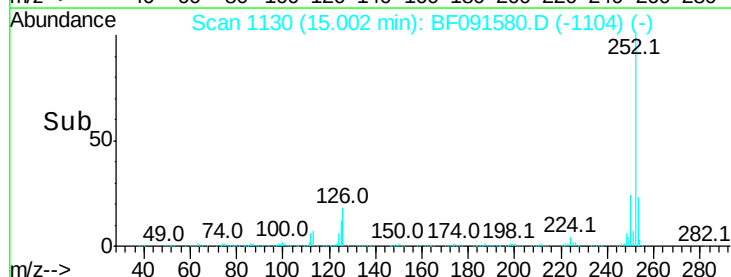
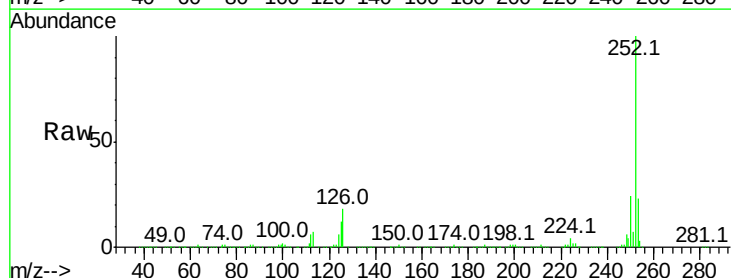
Manual Integrations
APPROVED

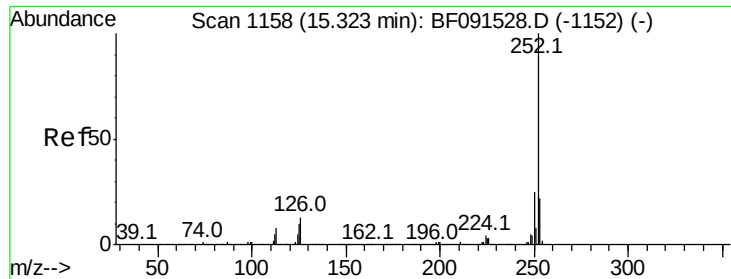
sohil
12/15/2016 5:39:10 PM



#88
Benzo(k)fluoranthene
Concen: 41.41 ng m
RT: 15.00 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Tgt Ion:252 Resp: 1261241
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 12.1 9.6 14.4





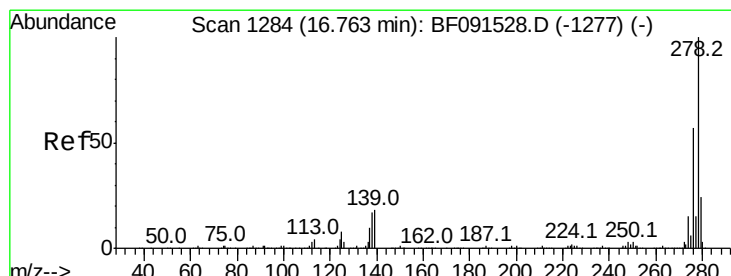
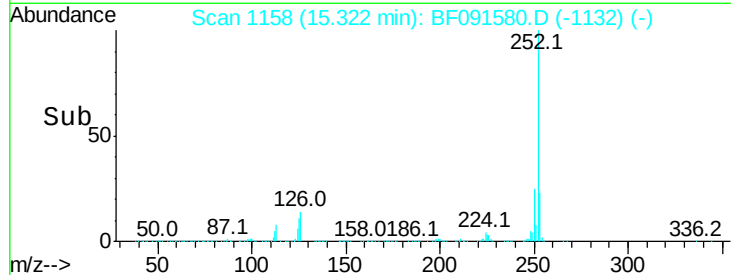
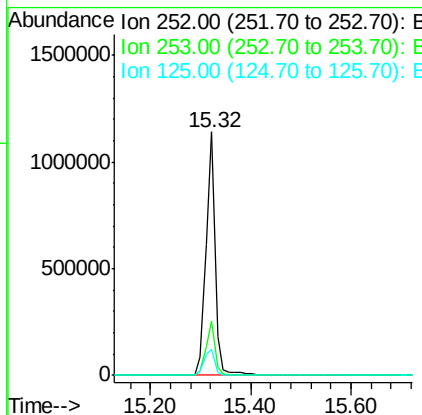
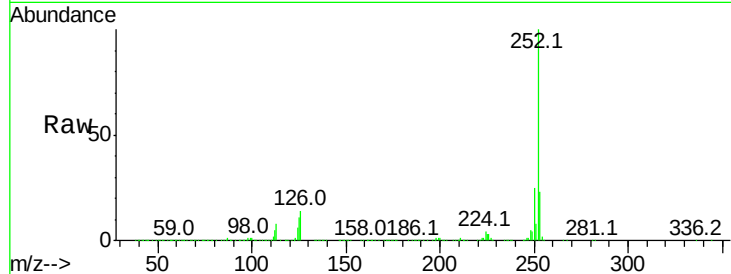
#89
Benzo(a)pyrene
Concen: 46.39 ng
RT: 15.32 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Instrument :
BNA_F
ClientSampleId :
PB95306BSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	10.9	10.4	15.6

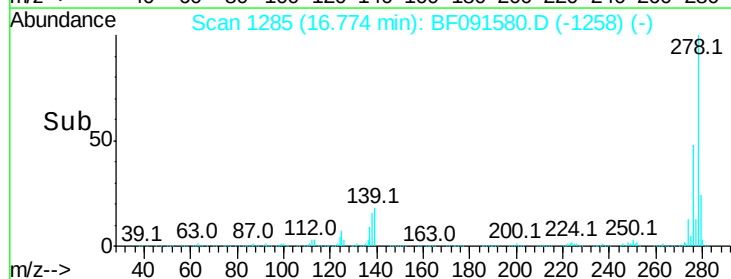
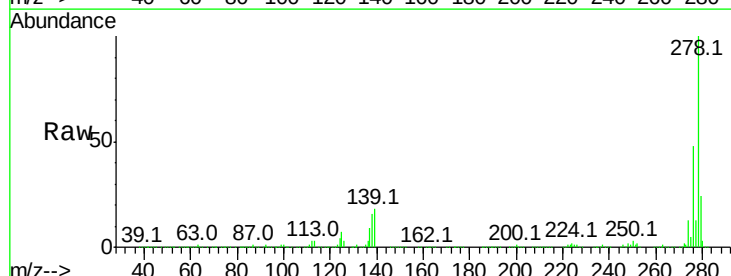
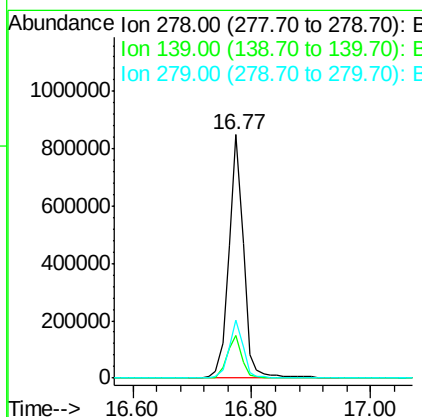
Manual Integrations
APPROVED

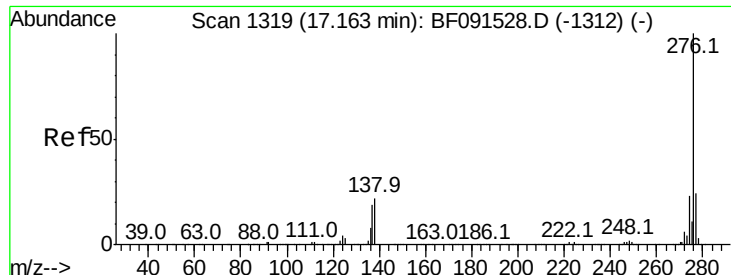
sohil
12/15/2016 5:39:10 PM



#90
Dibenzo(a,h)anthracene
Concen: 51.99 ng
RT: 16.77 min Scan# 1285
Delta R.T. 0.01 min
Lab File: BF091580.D
Acq: 14 Dec 2016 12:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.5	15.1	22.7
279	24.0	19.0	28.6





#91
 Benzo(a,h,i)perylene
 Concen: 54.34 ng
 RT: 17.17 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: BF091580.D
 Acq: 14 Dec 2016 12:34

Instrument :
 BNA_F
 ClientSampleId :
 PB95306BSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.4
138	22.6	15.4	23.0

Manual Integrations
 APPROVED

sohil
 12/15/2016 5:39:10 PM

