

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052816\
 Data File : BF087483.D
 Acq On : 28 May 2016 17:06
 Operator : UM/SJ
 Sample : PB90944BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB90944BS

Manual Integrations
 APPROVED

umangi
 5/31/2016 7:03:56 PM

Quant Time: May 30 03:32:09 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 30 03:25:10 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.46	152	116454	20.00	ng	-0.01
21) Naphthalene-d8	9.50	136	488979	20.00	ng	-0.01
38) Acenaphthene-d10	12.33	164	229414	20.00	ng	0.00
63) Phenanthrene-d10	14.73	188	446144	20.00	ng	0.00
75) Chrysene-d12	18.43	240	352393	20.00	ng	0.00
86) Perylene-d12	20.10	264	227616	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	840162	126.77	ng	0.02
7) Phenol-d6	7.03	99	1053160	117.60	ng	-0.01
23) Nitrobenzene-d5	8.39	82	721815	74.40	ng	-0.01
41) 2,4,6-Tribromophenol	13.62	330	252139	114.37	ng	-0.01
44) 2-Fluorobiphenyl	11.28	172	1200496	73.77	ng	-0.01
78) Terphenyl-d14	17.09	244	1157295	69.82	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	1.86	88	92956	26.58	ng	# 64
3) Pyridine	2.43	79	245154	32.07	ng	# 64
4) n-Nitrosodimethylamine	2.40	42	217209	36.87	ng	# 41
6) Aniline	6.97	93	252336	21.78	ng	93
8) 2-Chlorophenol	7.15	128	307064	37.15	ng	94
9) Benzaldehyde	6.82	77	36668	7.42	ng	98
10) Phenol	7.04	94	387688	39.65	ng	77
11) bis(2-Chloroethyl)ether	7.11	93	287714	36.35	ng	85
12) 1,3-Dichlorobenzene	7.36	146	312954m	34.72	ng	
13) 1,4-Dichlorobenzene	7.50	146	323174	34.92	ng	96
14) 1,2-Dichlorobenzene	7.72	146	308057	35.99	ng	99
15) Benzyl Alcohol	7.77	79	266146	40.76	ng	90
16) 2,2'-oxybis(1-Chloropropan	7.96	45	583334	32.76	ng	88
17) 2-Methylphenol	7.99	107	254236	38.38	ng	# 90
18) Hexachloroethane	8.24	117	123451	35.76	ng	92
19) n-Nitroso-di-n-propylamine	8.18	70	249503	37.36	ng	# 69
20) 3+4-Methylphenols	8.25	107	325640	40.67	ng	# 61
22) Acetophenone	8.16	105	440826	37.74	ng	# 96
24) Nitrobenzene	8.41	77	363122	35.46	ng	98
25) Isophorone	8.81	82	617485	35.49	ng	98
26) 2-Nitrophenol	8.92	139	159366	38.07	ng	# 79
27) 2,4-Dimethylphenol	9.06	122	270456	37.22	ng	86
28) bis(2-Chloroethoxy)methane	9.19	93	372379	37.99	ng	# 97
29) 2,4-Dichlorophenol	9.34	162	254840	38.91	ng	97
30) 1,2,4-Trichlorobenzene	9.43	180	267295	35.65	ng	97
31) Naphthalene	9.53	128	891054	36.37	ng	99
32) Benzoic acid	9.39	122	106657	30.87	ng	# 76
33) 4-Chloroaniline	9.69	127	137496	15.24	ng	# 94
34) Hexachlorobutadiene	9.75	225	156347	34.31	ng	98
35) Caprolactam	10.31	113	77041m	40.30	ng	
36) 4-Chloro-3-methylphenol	10.55	107	294274	39.74	ng	89
37) 2-Methylnaphthalene	10.66	142	578549	37.80	ng	98
39) 1,2,4,5-Tetrachlorobenzene	10.94	216	252983	34.45	ng	99
40) Hexachlorocyclopentadiene	10.90	237	151671	53.71	ng	97

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052816\
 Data File : BF087483.D
 Acq On : 28 May 2016 17:06
 Operator : UM/SJ
 Sample : PB90944BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB90944BS

Manual Integrations
 APPROVED

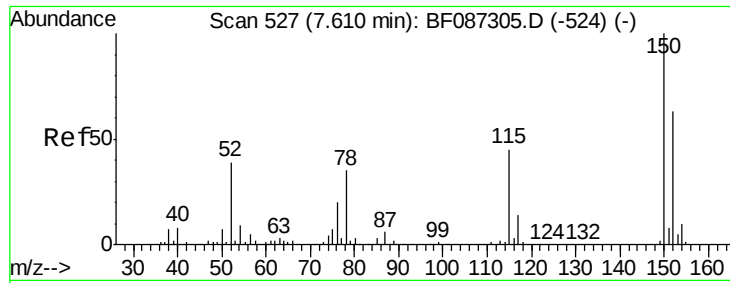
umangi
 5/31/2016 7:03:56 PM

Quant Time: May 30 03:32:09 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 30 03:25:10 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

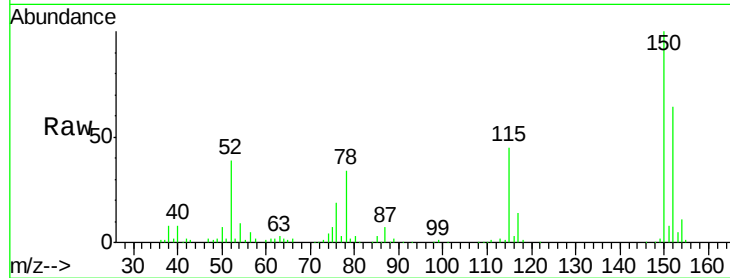
42) 2,4,6-Trichlorophenol	11.16	196	151450	35.73	ng	94
43) 2,4,5-Trichlorophenol	11.24	196	153224	35.50	ng #	85
45) 1,1'-Biphenyl	11.43	154	720086	37.28	ng	98
46) 2-Chloronaphthalene	11.44	162	526499	35.63	ng	93
47) 2-Nitroaniline	11.67	65	221563	41.62	ng	87
48) Acenaphthylene	12.10	152	861445	36.82	ng	99
49) Dimethylphthalate	11.99	163	658573	35.84	ng	99
50) 2,6-Dinitrotoluene	12.08	165	141905	38.32	ng #	85
51) Acenaphthene	12.38	154	518954	36.09	ng	99
52) 3-Nitroaniline	12.35	138	80578	21.20	ng	95
53) 2,4-Dinitrophenol	12.56	184	92443	51.33	ng #	84
54) Dibenzofuran	12.66	168	780097	40.07	ng	94
55) 4-Nitrophenol	12.74	139	137544	75.87	ng #	38
56) 2,4-Dinitrotoluene	12.74	165	191272	38.65	ng #	90
57) Fluorene	13.22	166	630502	37.35	ng	99
58) 2,3,4,6-Tetrachlorophenol	12.91	232	139888	42.13	ng	95
59) Diethylphthalate	13.13	149	639861	35.81	ng	99
60) 4-Chlorophenyl-phenylether	13.25	204	287161	34.88	ng	98
61) 4-Nitroaniline	13.35	138	127228	35.87	ng #	61
62) Azobenzene	13.51	77	788788	42.55	ng	86
64) 4,6-Dinitro-2-methylphenol	13.41	198	85599	30.17	ng #	44
65) n-Nitrosodiphenylamine	13.46	169	531961	36.87	ng	99
66) 4-Bromophenyl-phenylether	14.03	248	173232	35.49	ng	94
67) Hexachlorobenzene	14.10	284	177219	34.72	ng #	70
68) Atrazine	14.39	200	180927	39.34	ng	92
69) Pentachlorophenol	14.47	266	94511	61.15	ng	96
70) Phenanthrene	14.77	178	906260	36.67	ng	100
71) Anthracene	14.85	178	932426	37.35	ng	99
72) Carbazole	15.14	167	825897	38.79	ng	98
73) Di-n-butylphthalate	15.73	149	1014282	36.83	ng	99
74) Fluoranthene	16.54	202	936047	37.77	ng	92
76) Benzidine	16.77	184	310320	34.22	ng	96
77) Pyrene	16.83	202	914047	36.03	ng	99
79) Butylbenzylphthalate	17.75	149	408577	36.32	ng #	74
80) Benzo(a)anthracene	18.42	228	752002	37.52	ng	99
81) 3,3'-Dichlorobenzidine	18.41	252	115519	10.43	ng	96
82) Chrysene	18.47	228	729918	36.69	ng	99
83) Bis(2-ethylhexyl)phthalate	18.49	149	562867	34.29	ng #	96
84) Di-n-octyl phthalate	19.27	149	854154	34.12	ng #	86
85) Indeno(1,2,3-cd)pyrene	21.31	276	522747	32.78	ng	94
87) Benzo(b)fluoranthene	19.69	252	628045	43.32	ng	97
88) Benzo(k)fluoranthene	19.73	252	465213m	37.28	ng	
89) Benzo(a)pyrene	20.05	252	501615	40.00	ng	99
90) Dibenzo(a,h)anthracene	21.31	278	440853	41.22	ng	96
91) Benzo(g,h,i)perylene	21.67	276	444732	42.14	ng #	91

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.46 min Scan# 514
 Delta R.T. -0.01 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

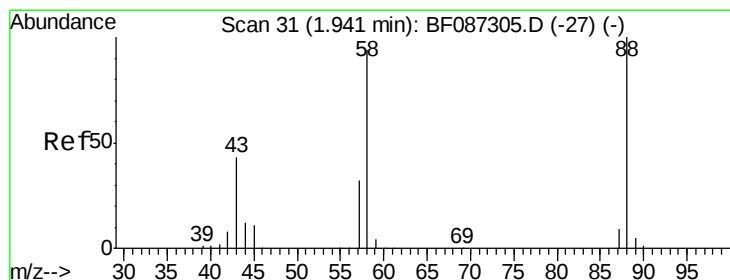
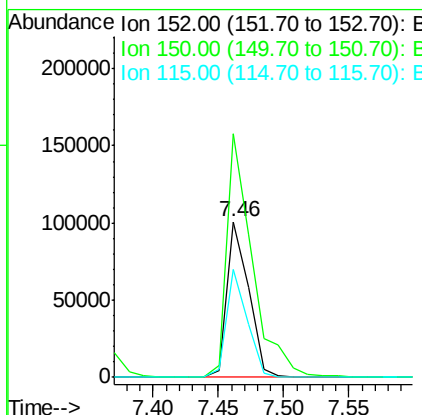
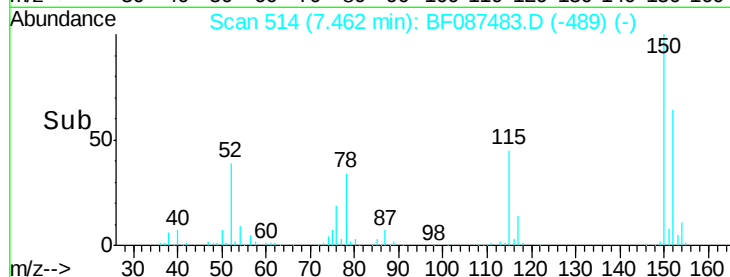
Instrument :
 BNA_F
 ClientSampleId :
 PB90944BS



Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.2	125.8	188.6
115	69.5	51.5	77.3

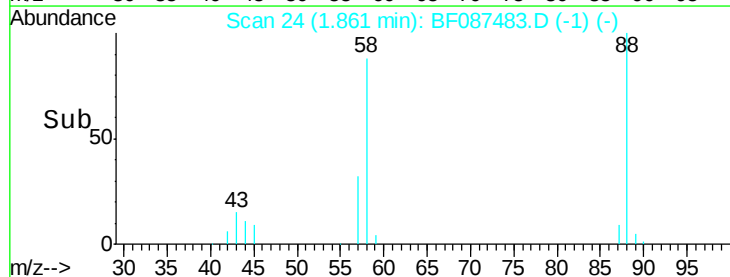
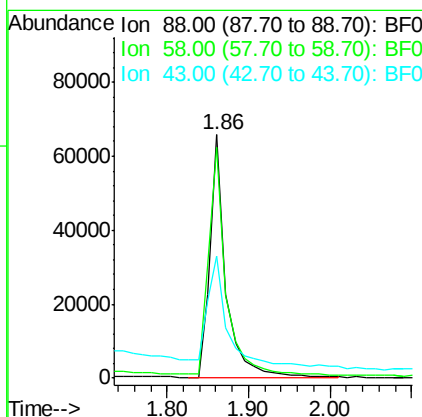
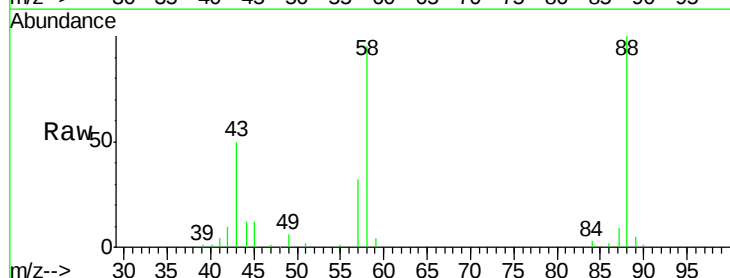
Manual Integrations
 APPROVED

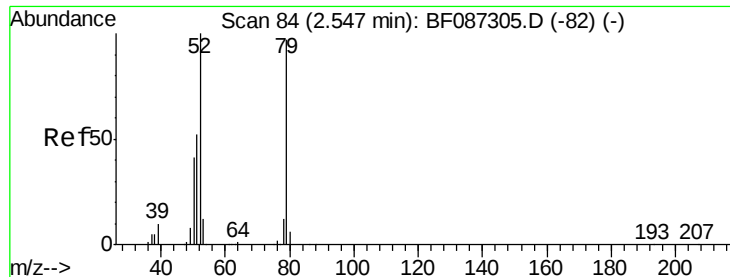
umangi
 5/31/2016 7:03:56 PM



#2
 1,4-Dioxane
 Concen: 26.58 ng
 RT: 1.86 min Scan# 24
 Delta R.T. 0.10 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

Tgt Ion	Ratio	Lower	Upper
88	100		
58	98.4	59.6	89.4#
43	57.1	21.8	32.6#





#3

Pyridine

Concen: 32.07 ng

RT: 2.43 min Scan# 74

Delta R.T. 0.09 min

Lab File: BF087483.D

Acq: 28 May 2016 17:06

Instrument :

BNA_F

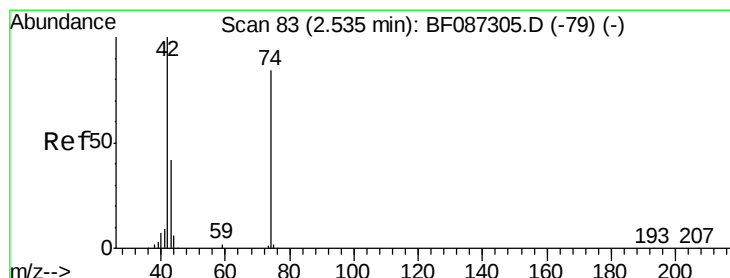
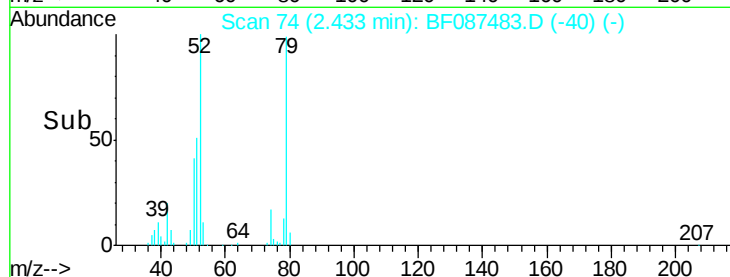
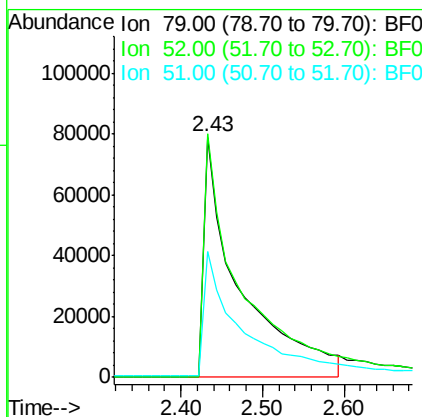
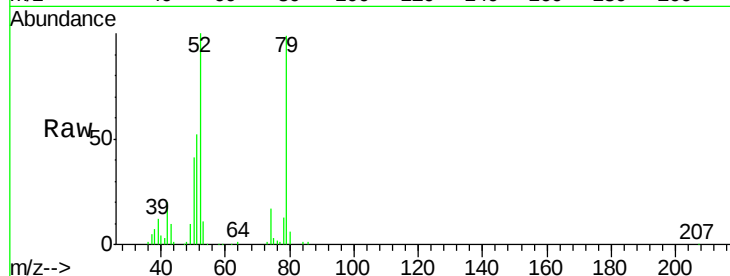
ClientSampleId :

PB90944BS

Manual Integrations
APPROVED

umangi
5/31/2016 7:03:56 PM

Tgt Ion	Ratio	Lower	Upper
79	100		
52	101.4	55.9	83.9#
51	52.7	28.1	42.1#



#4

n-Nitrosodimethylamine

Concen: 36.87 ng

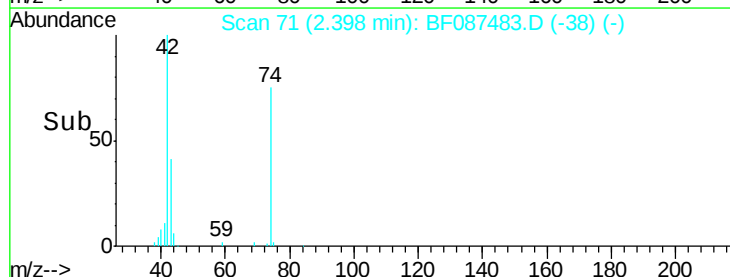
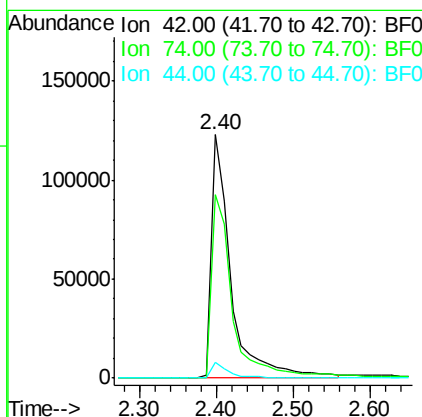
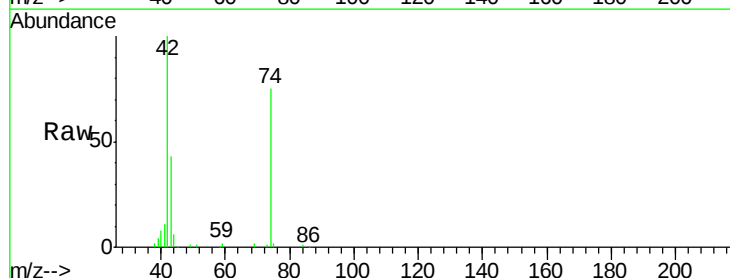
RT: 2.40 min Scan# 71

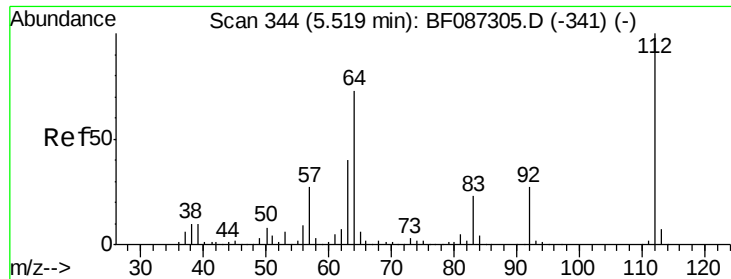
Delta R.T. 0.08 min

Lab File: BF087483.D

Acq: 28 May 2016 17:06

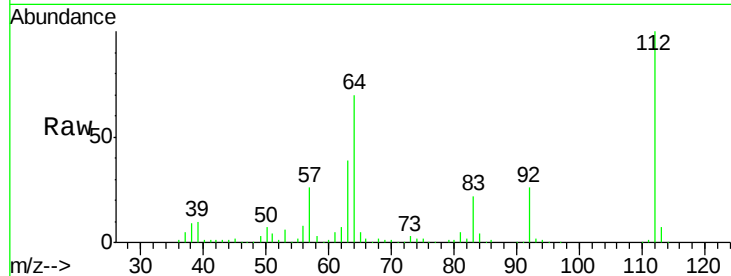
Tgt Ion	Ratio	Lower	Upper
42	100		
74	75.1	123.4	185.0#
44	6.3	5.8	8.6





#5
 2-Fluorophenol
 Concen: 126.77 ng
 RT: 5.38 min Scan# 332
 Delta R.T. 0.02 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

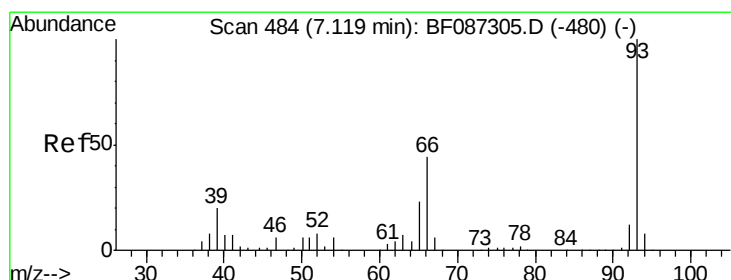
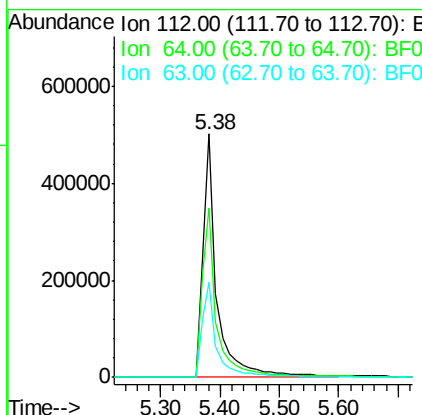
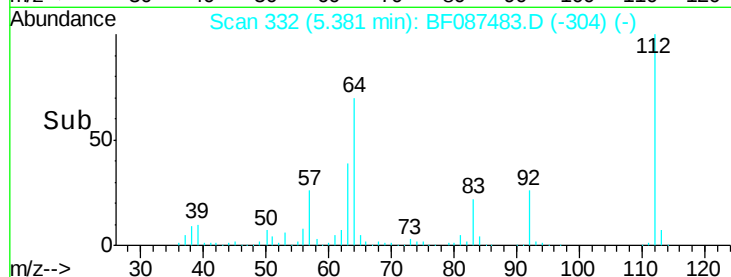
Instrument :
 BNA_F
 ClientSampleId :
 PB90944BS



Tgt Ion	Ratio	Resp Lower	Resp Upper
112	100		
64	69.7	52.1	78.1
63	39.0	25.7	38.5

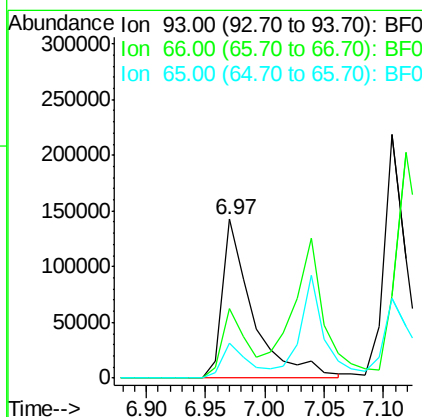
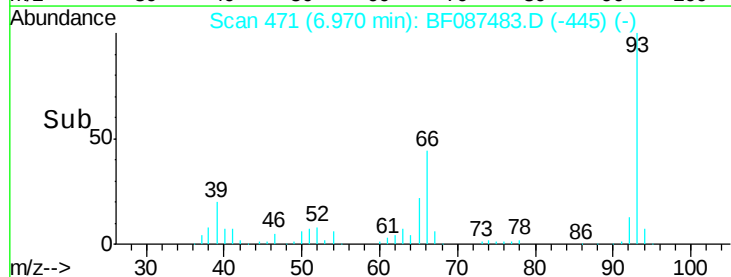
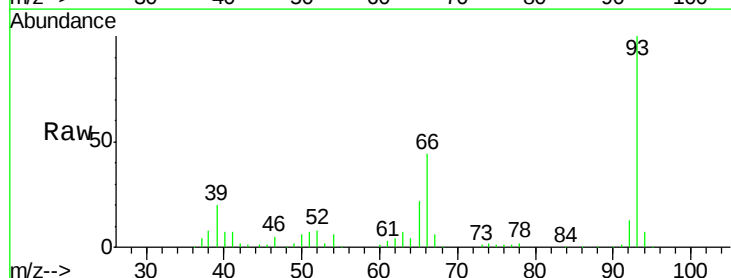
Manual Integrations
 APPROVED

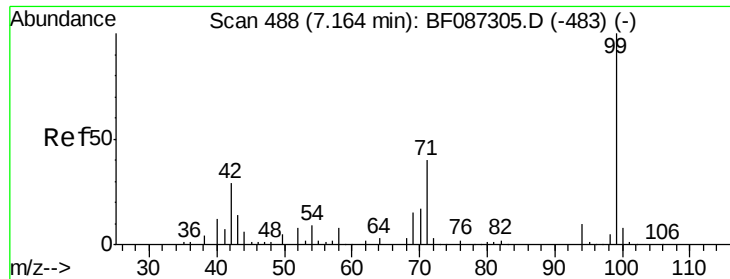
umangi
 5/31/2016 7:03:56 PM



#6
 Aniline
 Concen: 21.78 ng
 RT: 6.97 min Scan# 471
 Delta R.T. -0.00 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
93	100		
66	43.6	39.0	58.6
65	22.3	20.6	31.0





#7

Phenol-d6

Concen: 117.60 ng

RT: 7.03 min Scan# 476

Delta R.T. -0.01 min

Lab File: BF087483.D

Acq: 28 May 2016 17:06

Instrument :

BNA_F

ClientSampleId :

PB90944BS

Tgt Ion: 99 Resp: 1053160

Ion Ratio Lower Upper

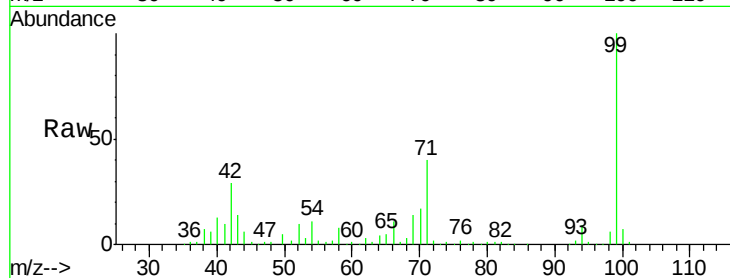
99 100

42 28.9 13.6 20.4#

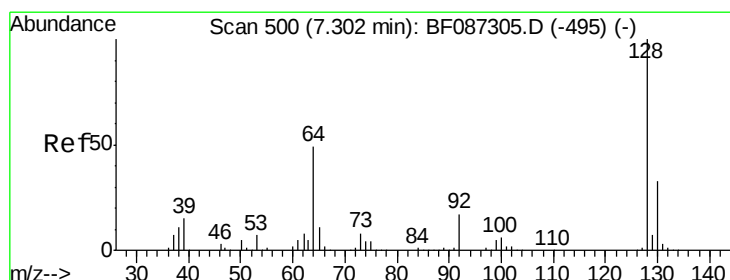
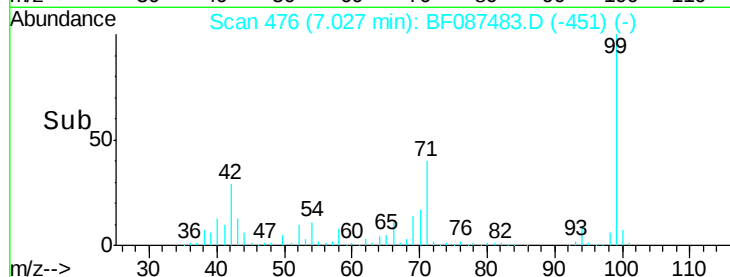
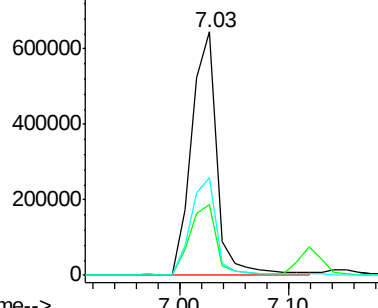
71 40.1 24.6 36.8#

Manual Integrations
APPROVED

umangi
5/31/2016 7:03:56 PM



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



#8

2-Chlorophenol

Concen: 37.15 ng

RT: 7.15 min Scan# 487

Delta R.T. -0.00 min

Lab File: BF087483.D

Acq: 28 May 2016 17:06

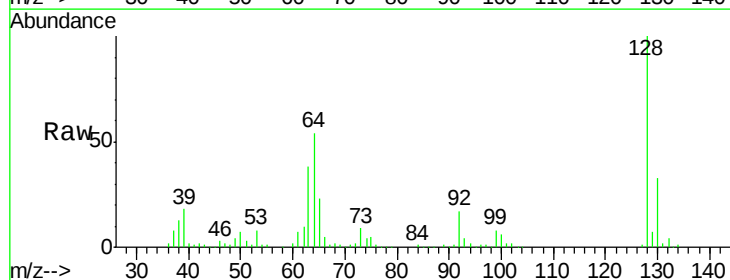
Tgt Ion: 128 Resp: 307064

Ion Ratio Lower Upper

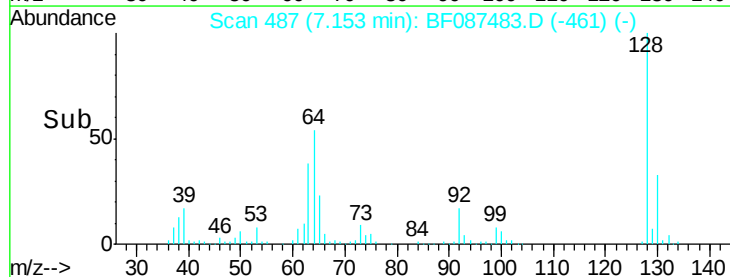
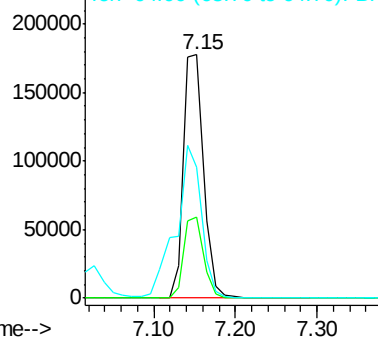
128 100

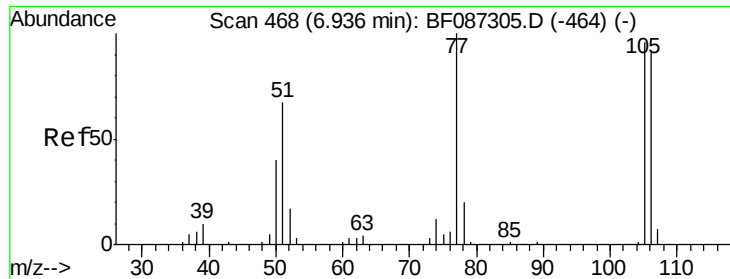
130 33.1 12.5 52.5

64 53.6 27.3 67.3



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





#9

Benzaldehyde

Concen: 7.42 ng

RT: 6.82 min Scan# 458

Delta R.T. 0.05 min

Lab File: BF087483.D

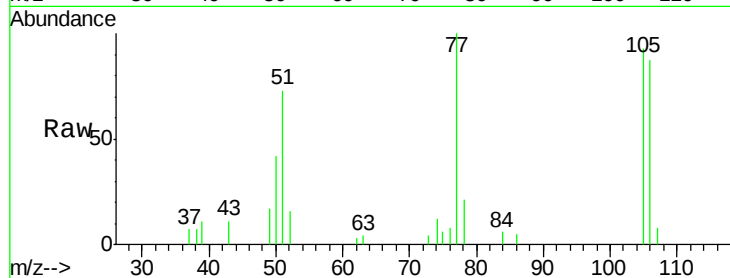
Acq: 28 May 2016 17:06

Instrument :

BNA_F

ClientSampleId :

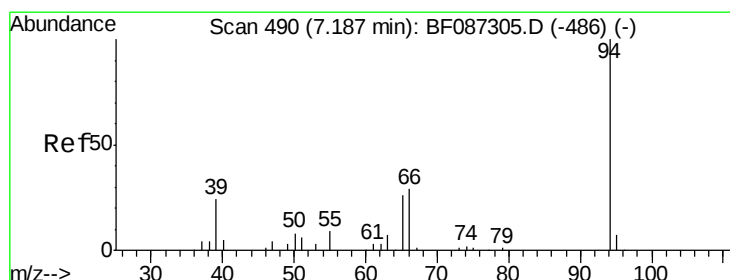
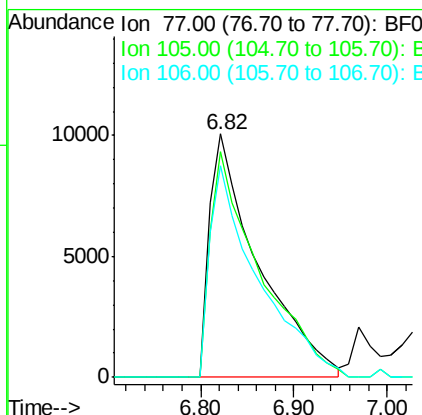
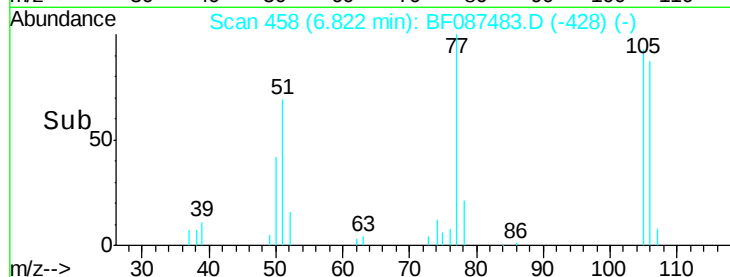
PB90944BS



Tgt Ion:	77	Resp:	36668
Ion	Ratio	Lower	Upper
77	100		
105	92.8	72.7	112.7
106	87.0	70.8	110.8

Manual Integrations
APPROVED

umangi
5/31/2016 7:03:56 PM



#10

Phenol

Concen: 39.65 ng

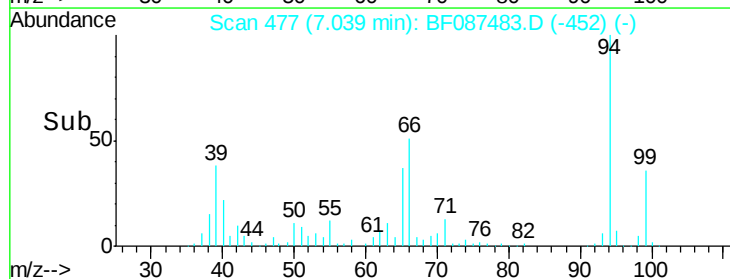
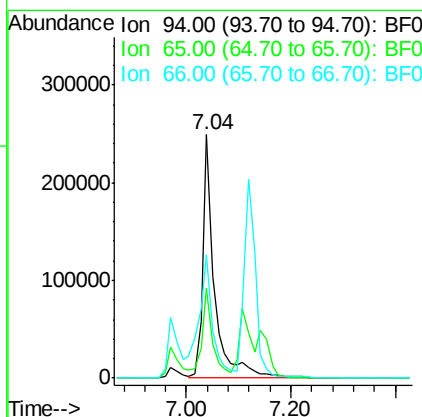
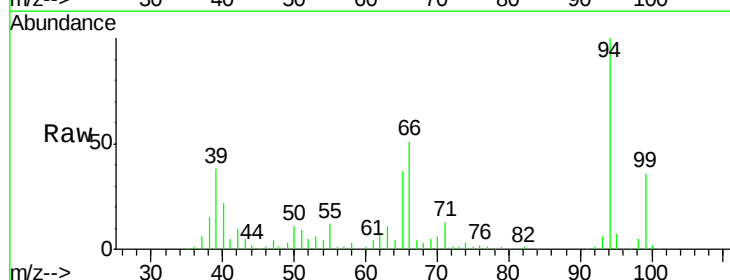
RT: 7.04 min Scan# 477

Delta R.T. -0.01 min

Lab File: BF087483.D

Acq: 28 May 2016 17:06

Tgt Ion:	94	Resp:	387688
Ion	Ratio	Lower	Upper
94	100		
65	37.0	7.2	47.2
66	50.6	14.9	54.9





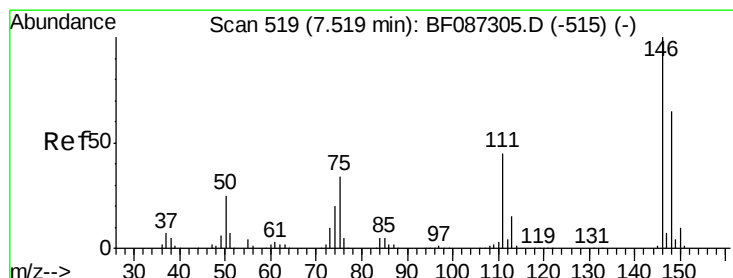
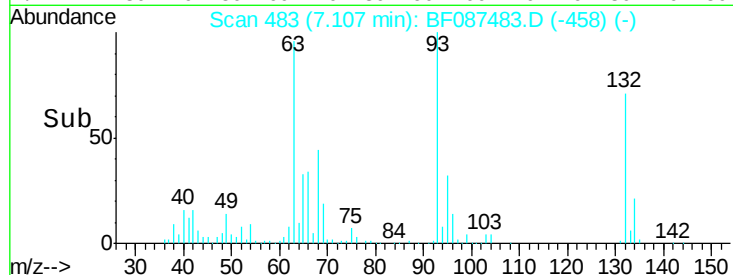
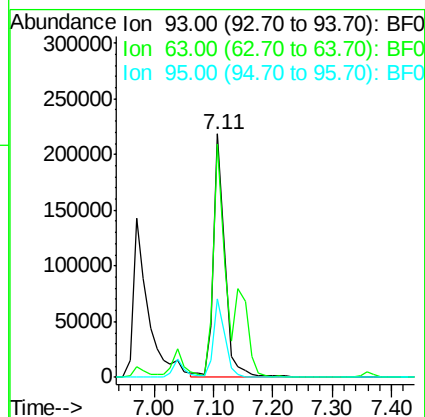
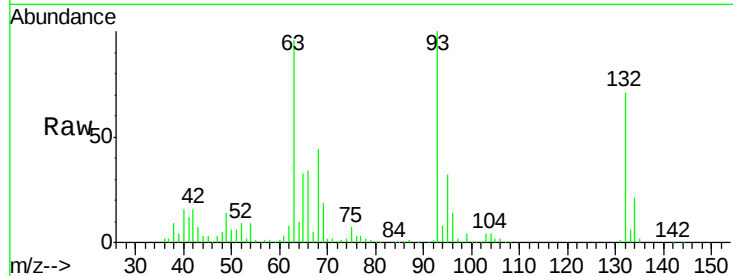
#11
bis(2-Chloroethyl)ether
Concen: 36.35 ng
RT: 7.11 min Scan# 483
Delta R.T. -0.01 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Instrument :
BNA_F
ClientSampleId :
PB90944BS

Tgt Ion: 93 Resp: 287714
Ion Ratio Lower Upper
93 100
63 95.8 58.0 98.0
95 32.3 11.9 51.9

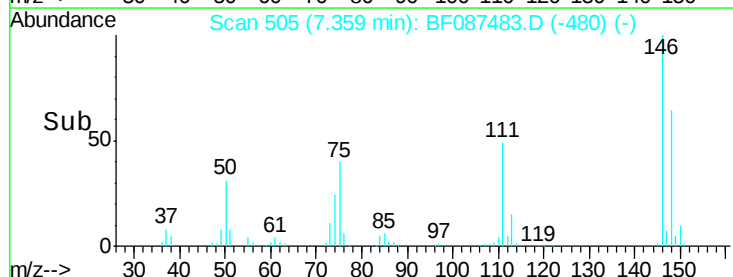
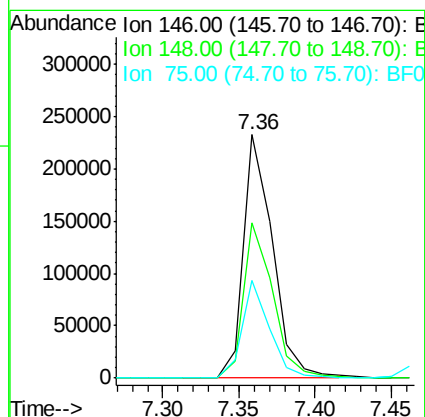
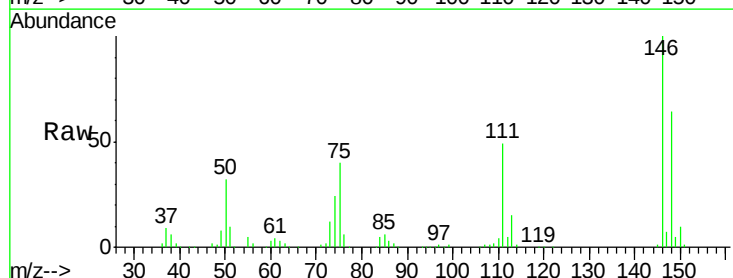
Manual Integrations
APPROVED

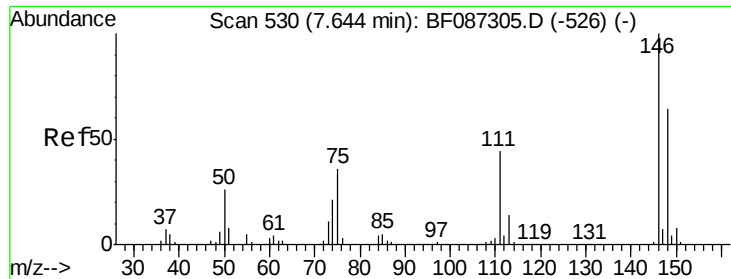
umangi
5/31/2016 7:03:56 PM



#12
1,3-Dichlorobenzene
Concen: 34.72 ng m
RT: 7.36 min Scan# 505
Delta R.T. -0.01 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Tgt Ion: 146 Resp: 312954
Ion Ratio Lower Upper
146 100
148 64.0 52.4 78.6
75 40.0 22.8 34.2#





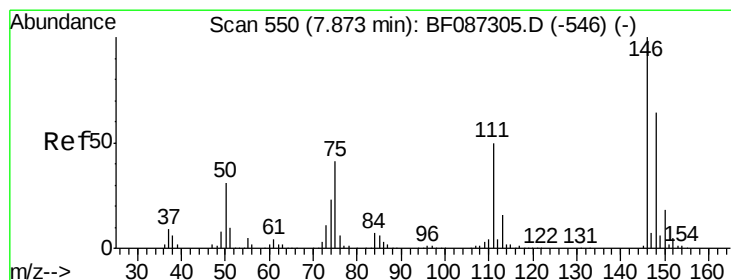
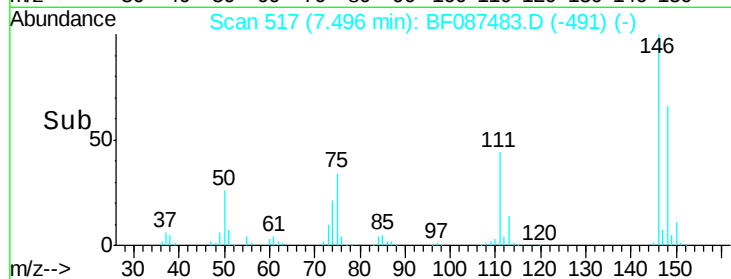
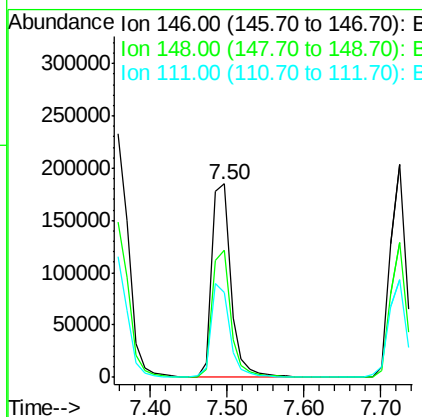
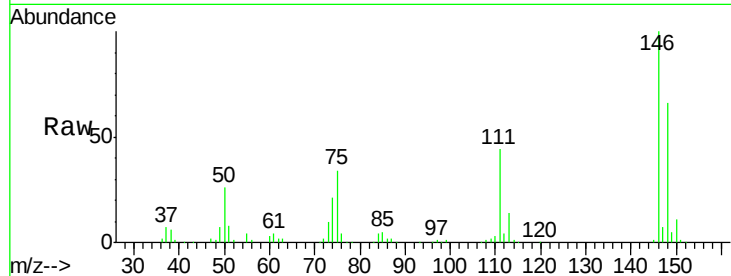
#13
 1,4-Dichlorobenzene
 Concen: 34.92 ng
 RT: 7.50 min Scan# 517
 Delta R.T. -0.00 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

Instrument :
 BNA_F
 ClientSampleId :
 PB90944BS

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.9	52.2	78.4
111	43.8	30.7	46.1

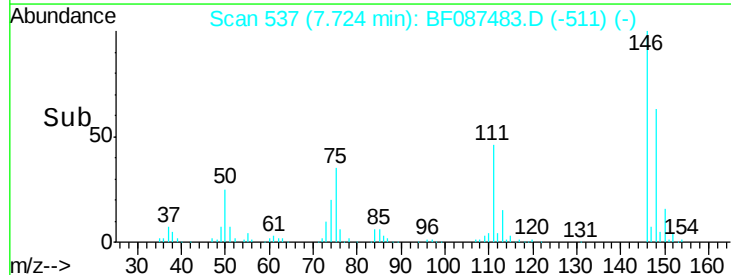
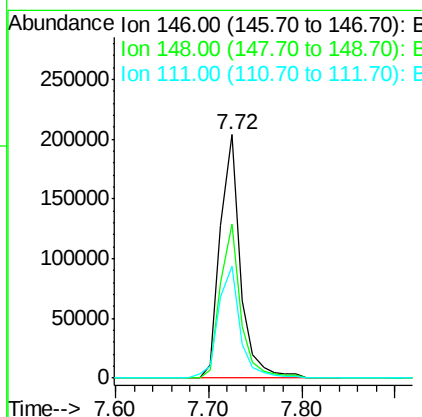
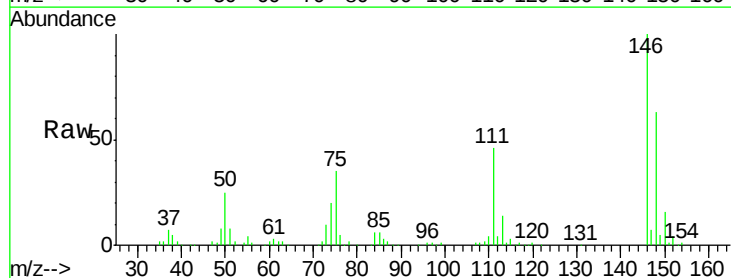
Manual Integrations
 APPROVED

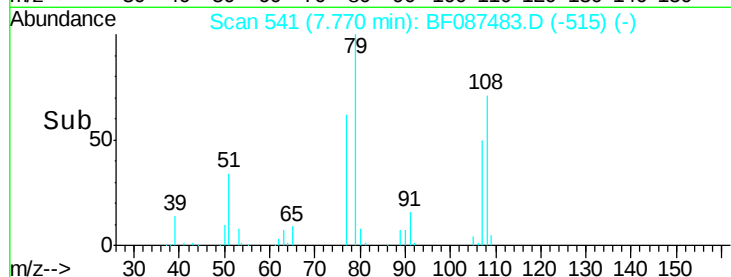
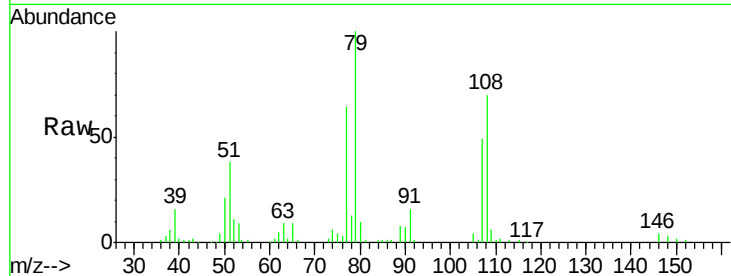
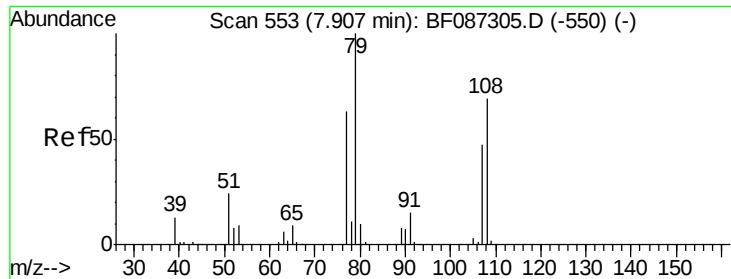
umangi
 5/31/2016 7:03:56 PM



#14
 1,2-Dichlorobenzene
 Concen: 35.99 ng
 RT: 7.72 min Scan# 537
 Delta R.T. -0.00 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.0	76.6
111	46.0	36.2	54.4





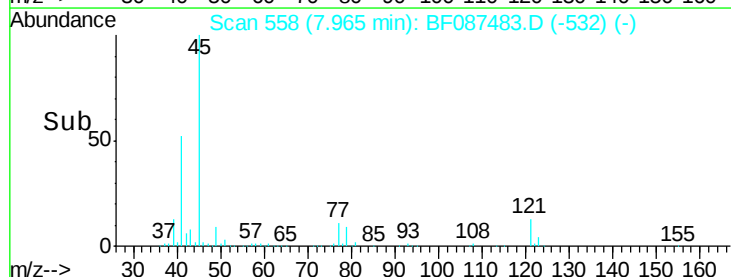
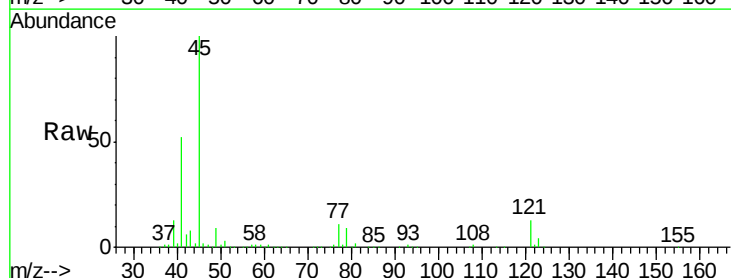
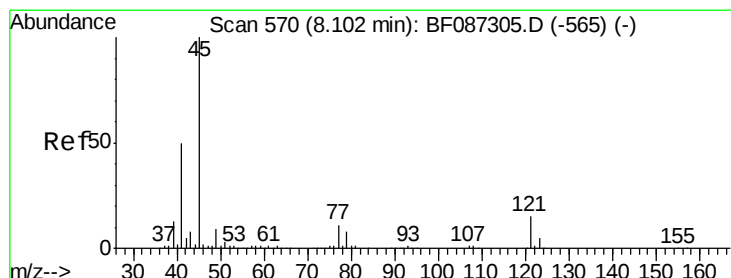
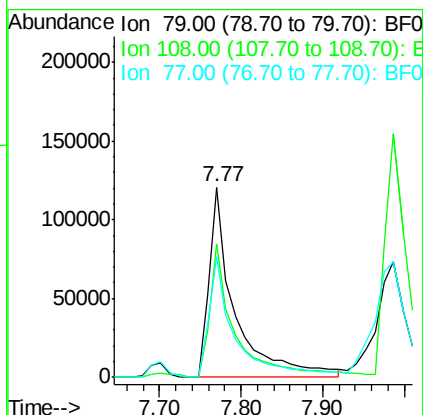
#15
Benzyl Alcohol
Concen: 40.76 ng
RT: 7.77 min Scan# 541
Delta R.T. -0.00 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
79	100	266146		
108	69.9	68.4	102.6	
77	63.8	50.6	76.0	

Instrument :
BNA_F
ClientSampleId :
PB90944BS

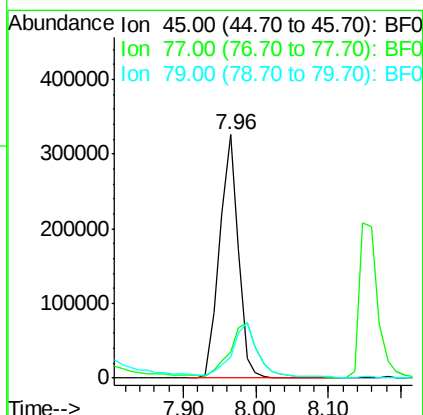
Manual Integrations
APPROVED

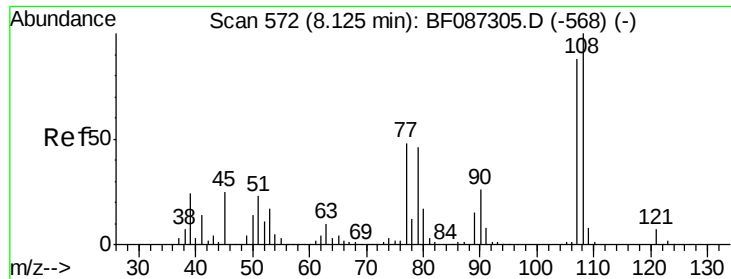
umangi
5/31/2016 7:03:56 PM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 32.76 ng
RT: 7.96 min Scan# 558
Delta R.T. -0.00 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	583334		
77	10.7	0.0	36.4	
79	8.8	0.0	33.4	





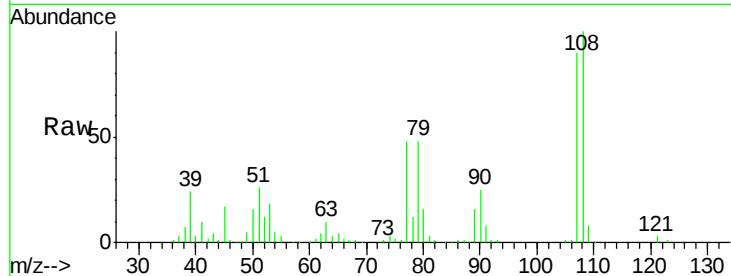
#17
2-Methylphenol
Concen: 38.38 ng
RT: 7.99 min Scan# 560
Delta R.T. -0.00 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Instrument :
BNA_F
ClientSampleId :
PB90944BS

Tgt Ion:	107	Resp:	254236
Ion Ratio	Lower	Upper	
107	100		
108	111.3	93.7	140.5
77	53.0	33.4	50.0#
79	53.1	34.3	51.5#

Manual Integrations
APPROVED

umangi
5/31/2016 7:03:56 PM



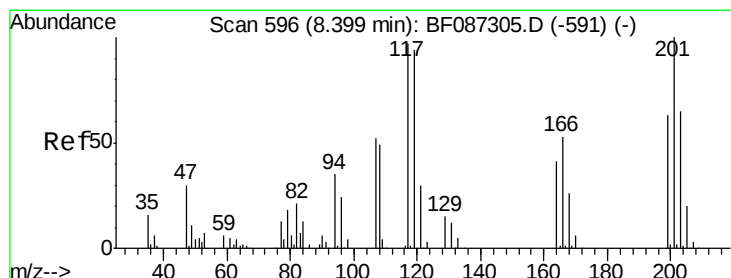
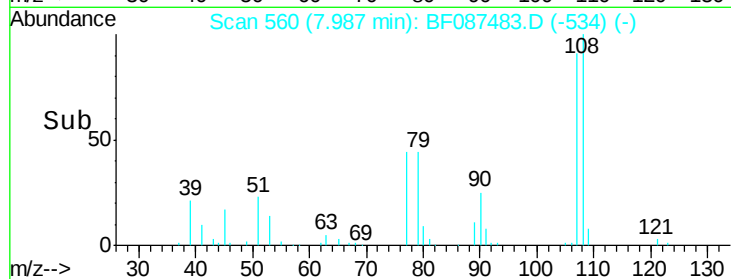
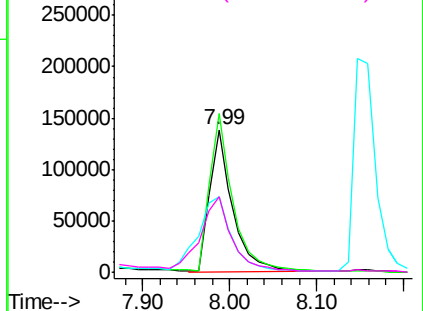
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#18
Hexachloroethane
Concen: 35.76 ng
RT: 8.24 min Scan# 582
Delta R.T. -0.00 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

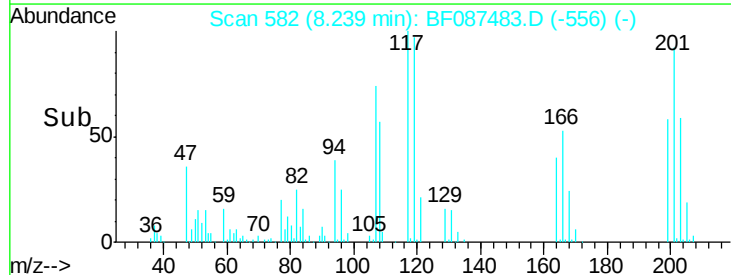
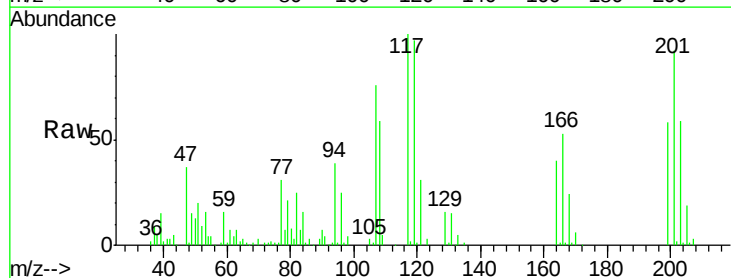
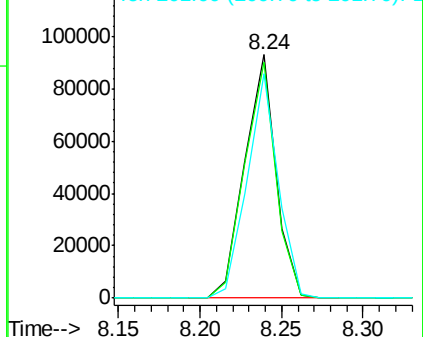
Tgt Ion:	117	Resp:	123451
Ion Ratio	Lower	Upper	
117	100		
119	96.9	76.5	114.7
201	92.2	63.0	94.6

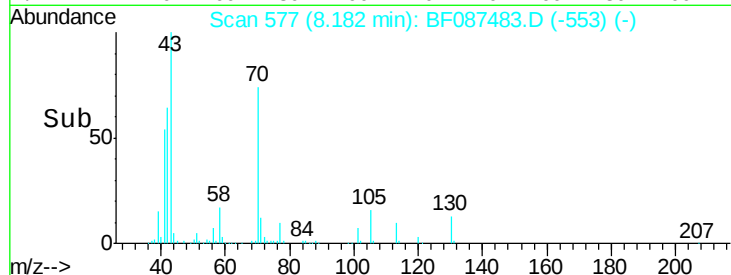
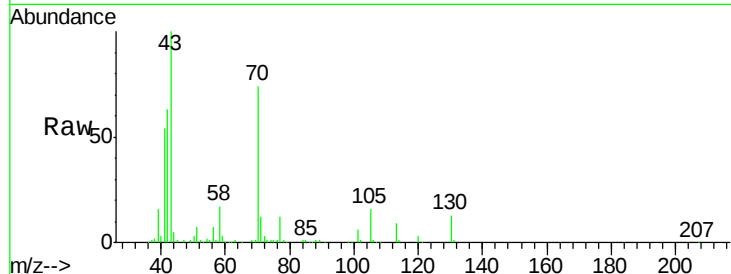
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





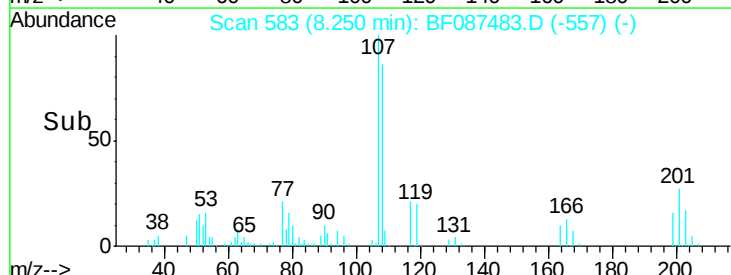
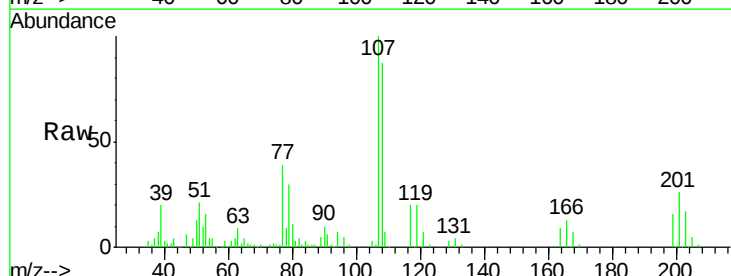
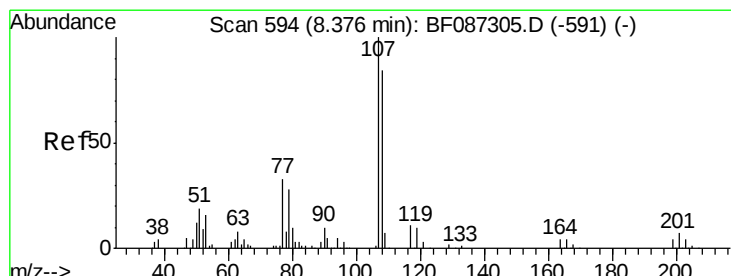
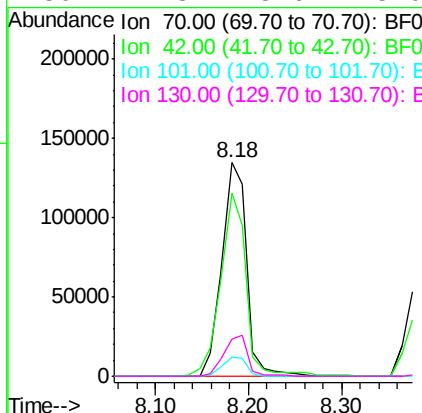
#19
n-Nitroso-di-n-propylamine
Concen: 37.36 ng
RT: 8.18 min Scan# 577
Delta R.T. -0.02 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Instrument :
BNA_F
ClientSampleId :
PB90944BS

Tgt Ion	Ratio	Lower	Upper
70	100		
42	85.8	43.1	64.7#
101	8.8	8.1	12.1
130	17.3	18.6	28.0#

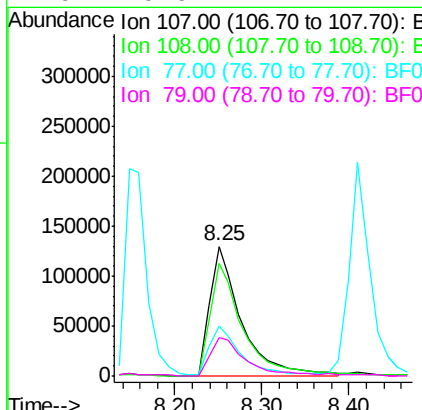
Manual Integrations
APPROVED

umangi
5/31/2016 7:03:56 PM



#20
3+4-Methylphenols
Concen: 40.67 ng
RT: 8.25 min Scan# 583
Delta R.T. -0.00 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Tgt Ion	Ratio	Lower	Upper
107	100		
108	86.8	68.5	108.5
77	38.9	101.6	141.6#
79	29.9	7.4	47.4





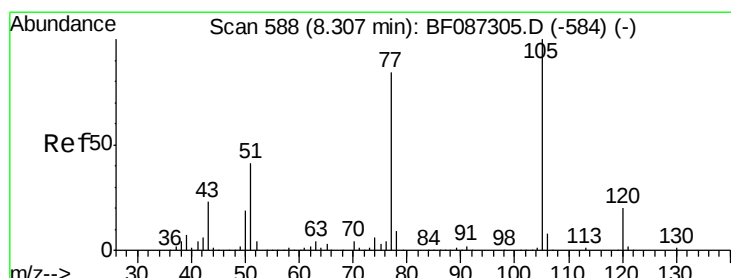
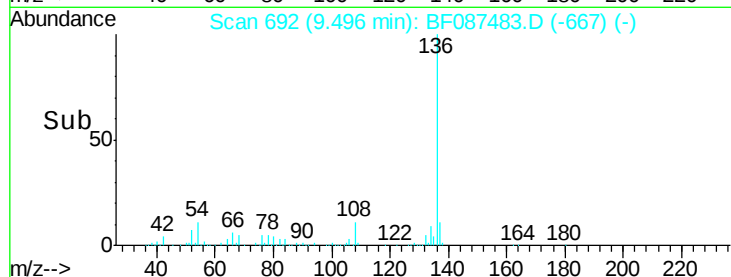
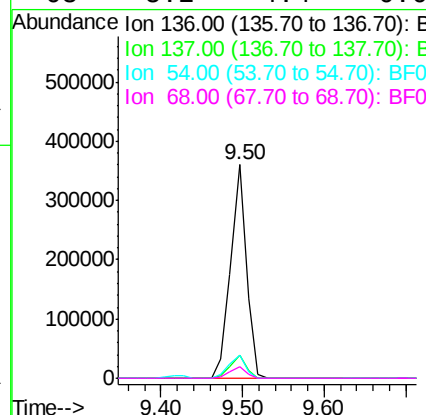
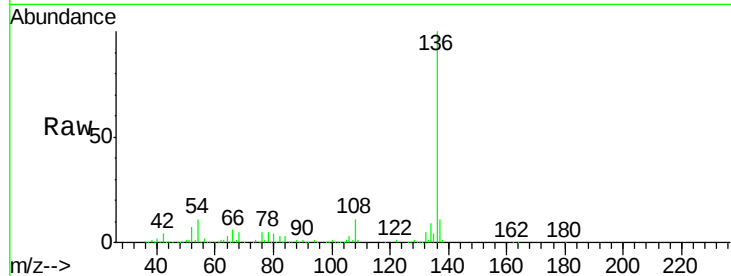
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.50 min Scan# 692
Delta R.T. -0.01 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Instrument :
BNA_F
ClientSampleId :
PB90944BS

Tgt	Ion	Ratio	Resp	Lower	Upper
136	100		488979		
137	10.7		8.8	13.2	
54	10.9		5.0	7.4	
68	5.2		4.4	6.6	

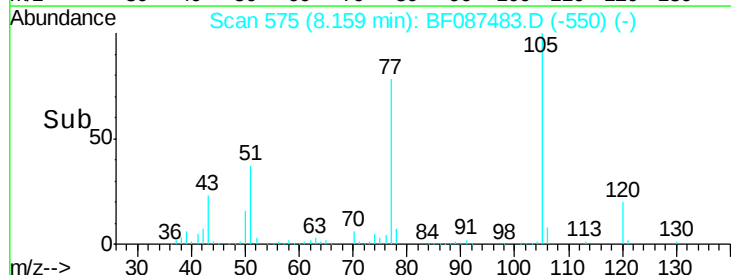
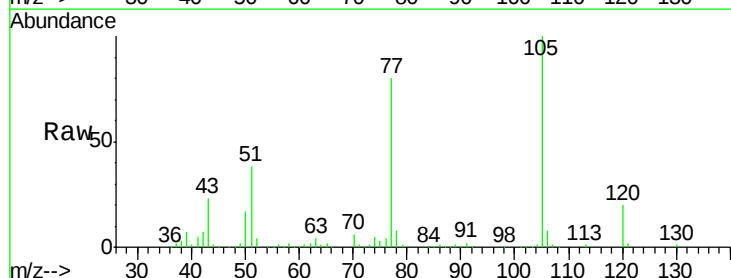
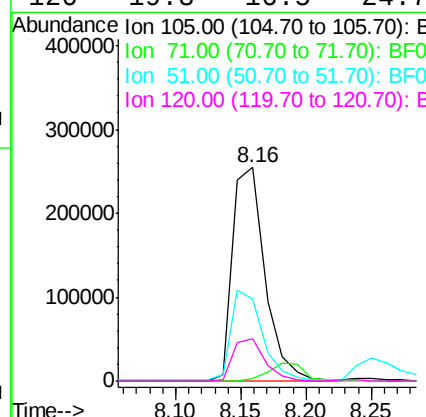
Manual Integrations
APPROVED

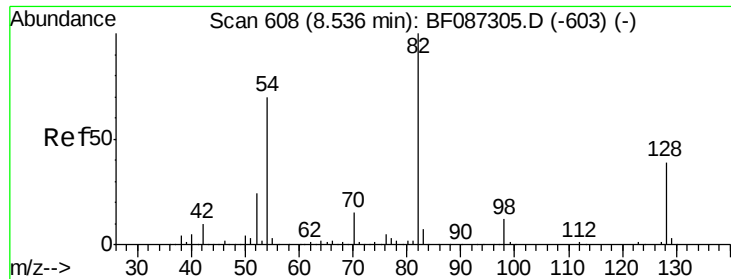
umangi
5/31/2016 7:03:56 PM



#22
Acetophenone
Concen: 37.74 ng
RT: 8.16 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Tgt	Ion	Ratio	Resp	Lower	Upper
105	100		440826		
71	1.0		4.8	7.2	
51	38.1		32.6	49.0	
120	19.8		16.5	24.7	





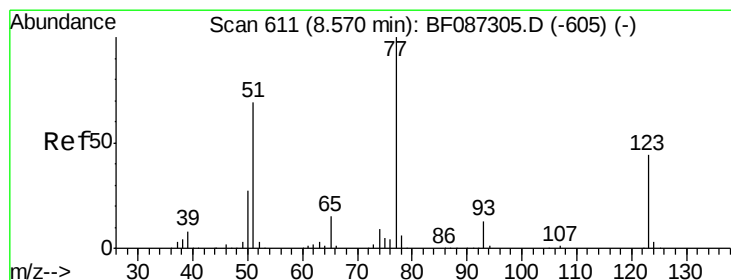
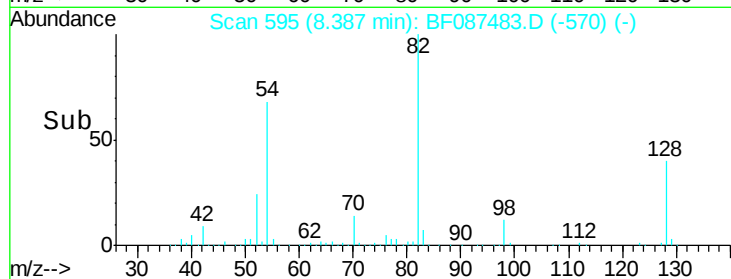
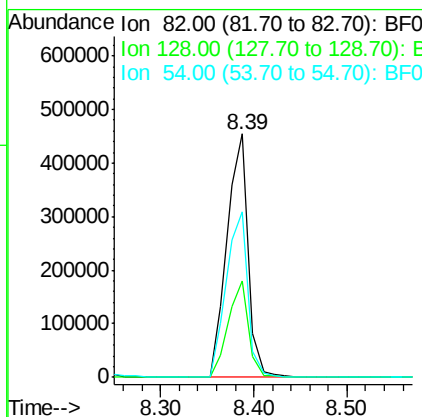
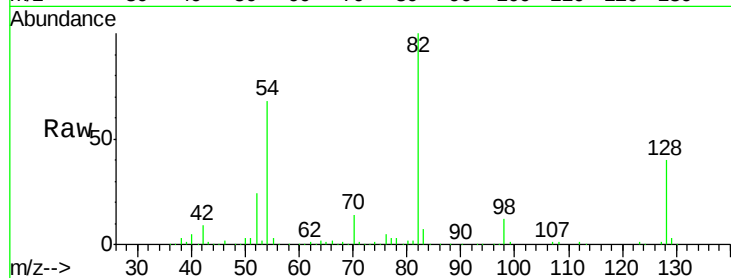
#23
 Nitrobenzene-d5
 Concen: 74.40 ng
 RT: 8.39 min Scan# 595
 Delta R.T. -0.01 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

Instrument :
 BNA_F
 ClientSampleId :
 PB90944BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	39.6	40.6	61.0#
54	68.0	38.1	57.1#

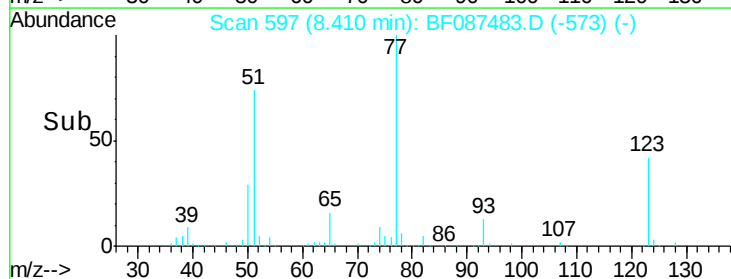
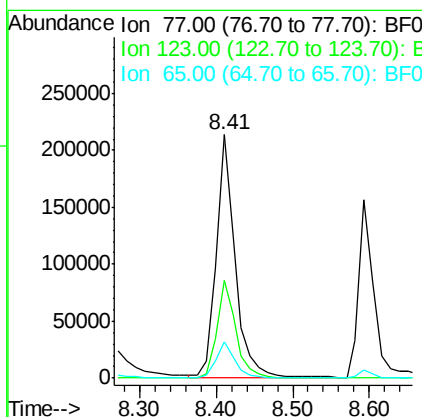
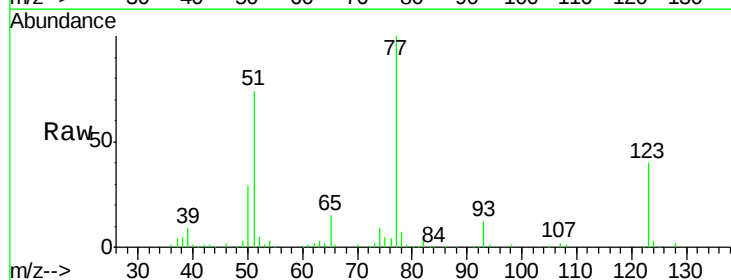
Manual Integrations
 APPROVED

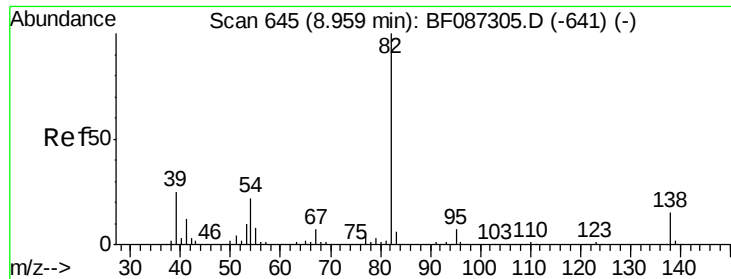
umangi
 5/31/2016 7:03:56 PM



#24
 Nitrobenzene
 Concen: 35.46 ng
 RT: 8.41 min Scan# 597
 Delta R.T. -0.02 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
77	100		
123	40.0	33.0	49.4
65	15.1	10.8	16.2





#25

Isophorone

Concen: 35.49 ng

RT: 8.81 min Scan# 632

Delta R.T. -0.01 min

Lab File: BF087483.D

Acq: 28 May 2016 17:06

Instrument :

BNA_F

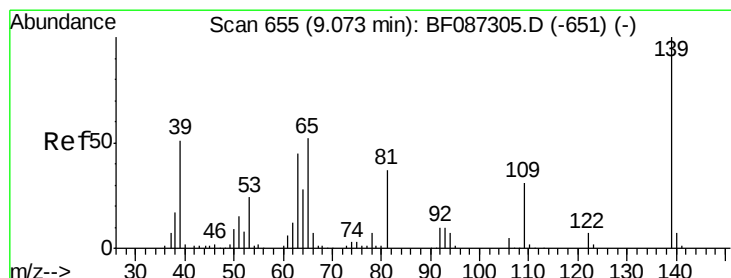
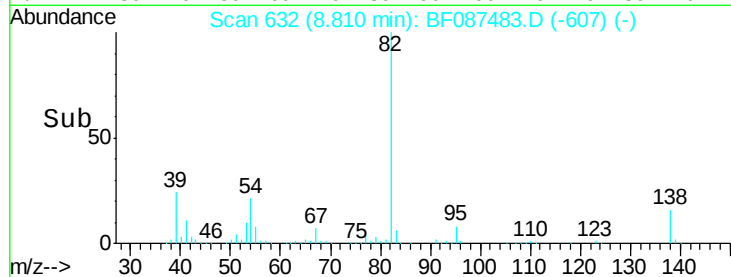
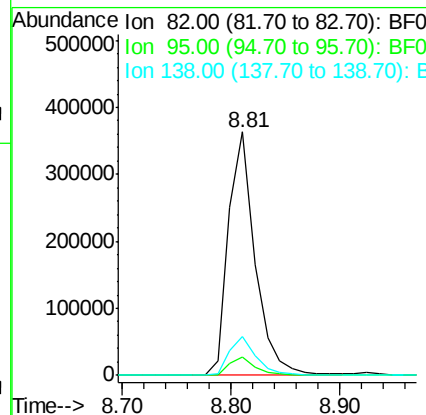
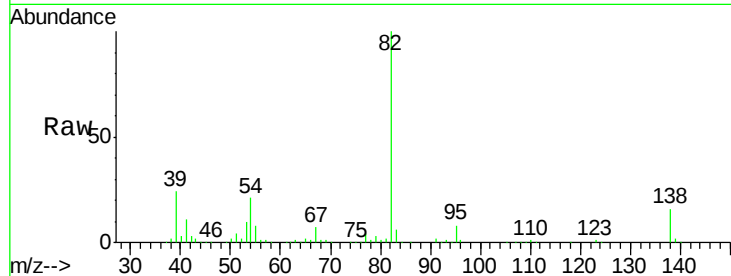
ClientSampleID :

PB90944BS

Tgt Ion:	82	Resp:	617485
Ion Ratio		Lower	Upper
82	100		
95	7.6	5.1	7.7
138	16.0	12.4	18.6

Manual Integrations
APPROVED

umangi
5/31/2016 7:03:56 PM



#26

2-Nitrophenol

Concen: 38.07 ng

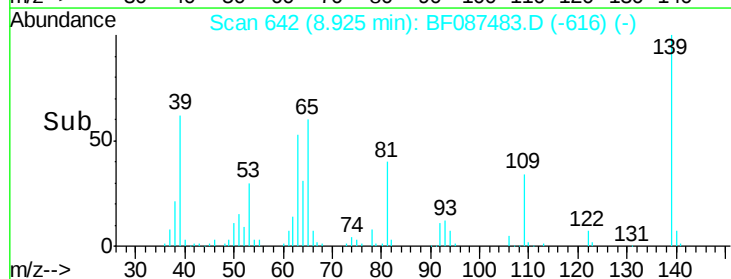
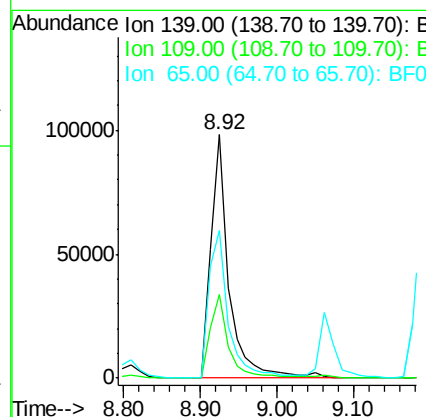
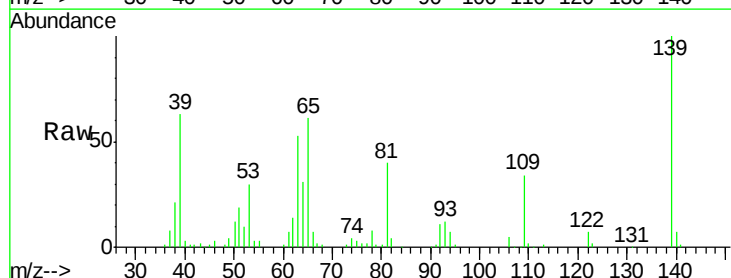
RT: 8.92 min Scan# 642

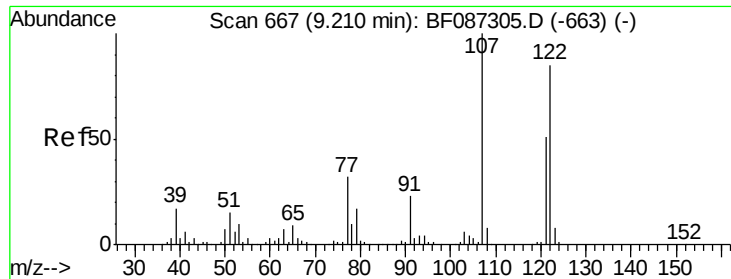
Delta R.T. -0.00 min

Lab File: BF087483.D

Acq: 28 May 2016 17:06

Tgt Ion:	139	Resp:	159366
Ion Ratio		Lower	Upper
139	100		
109	34.2	19.5	29.3#
65	60.9	37.5	56.3#





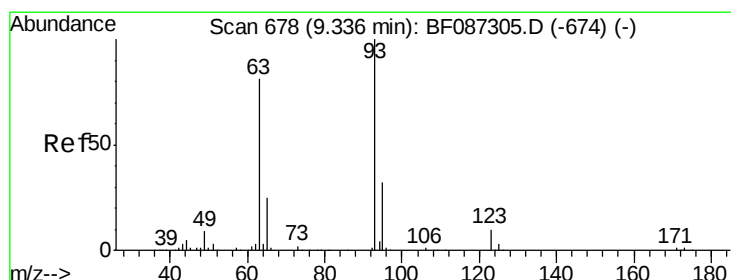
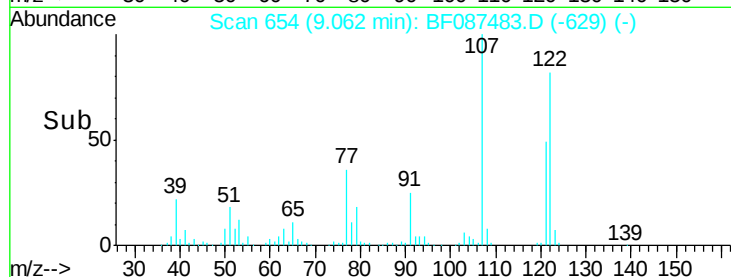
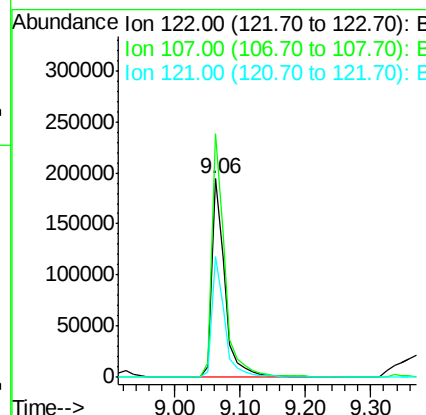
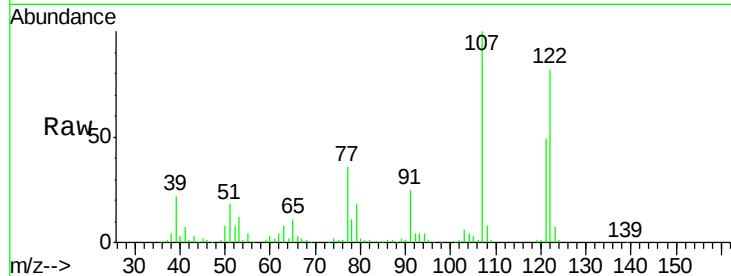
#27
 2,4-Dimethylphenol
 Concen: 37.22 ng
 RT: 9.06 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

Instrument :
 BNA_F
 ClientSampleId :
 PB90944BS

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	270456		
107	122.7	82.0	123.0	
121	60.7	46.1	69.1	

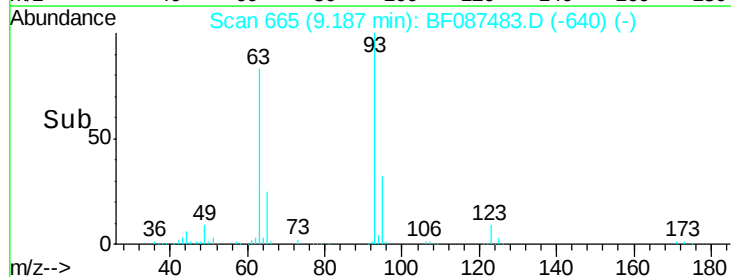
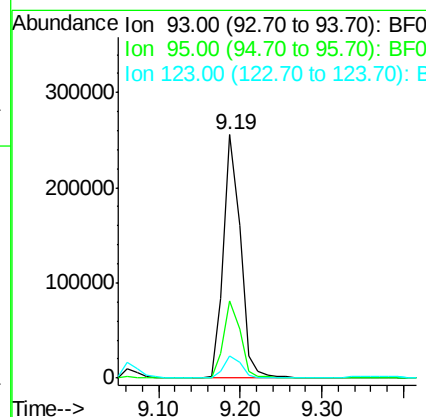
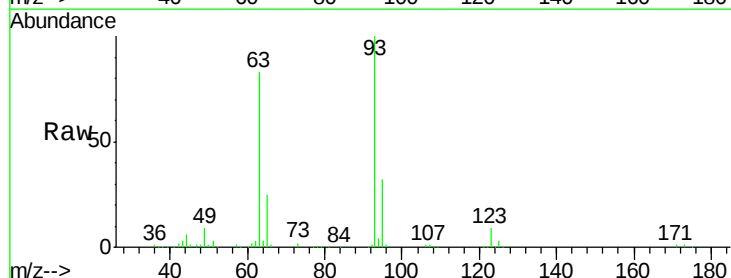
Manual Integrations
 APPROVED

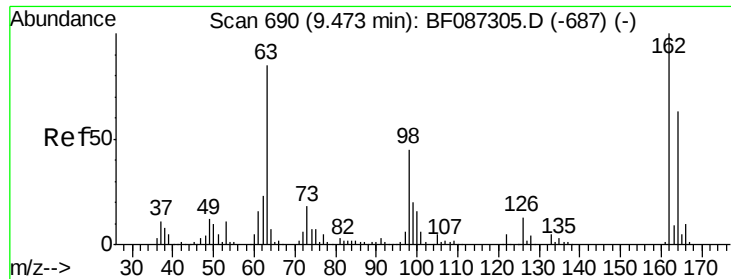
umangi
 5/31/2016 7:03:56 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 37.99 ng
 RT: 9.19 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	372379		
95	31.8	26.0	39.0	
123	9.4	9.5	14.3	





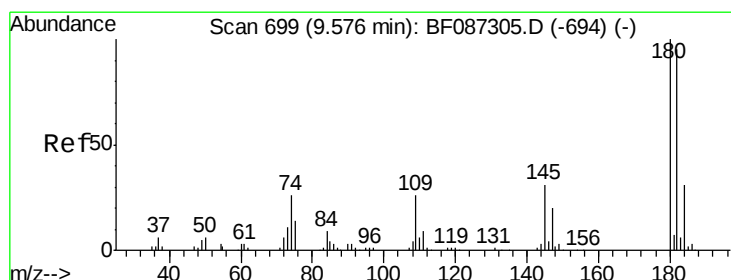
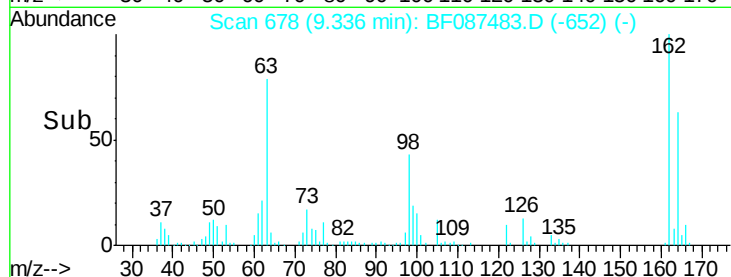
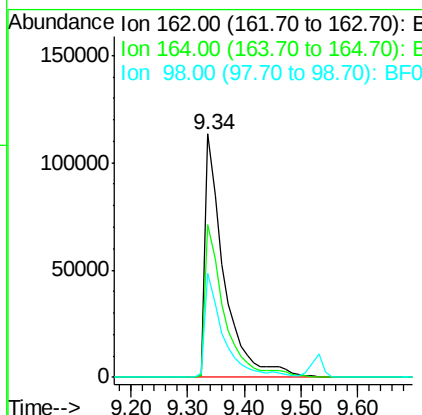
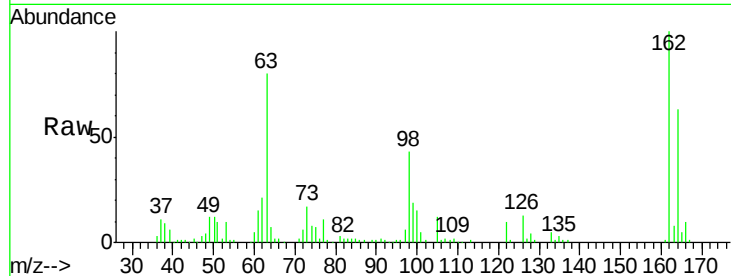
#29
 2,4-Dichlorophenol
 Concen: 38.91 ng
 RT: 9.34 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

Instrument :
 BNA_F
 ClientSampleId :
 PB90944BS

Tgt Ion:	162	Resp:	254840
Ion Ratio	Lower	Upper	
162	100		
164	62.6	42.2	82.2
98	42.8	19.0	59.0

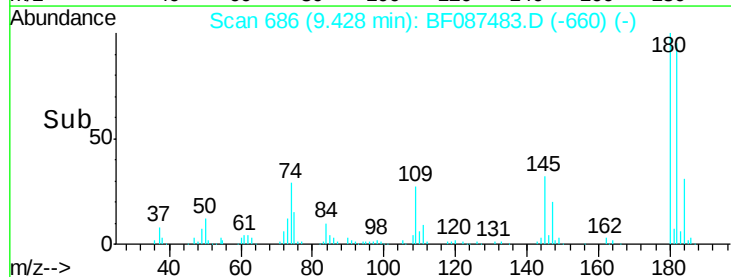
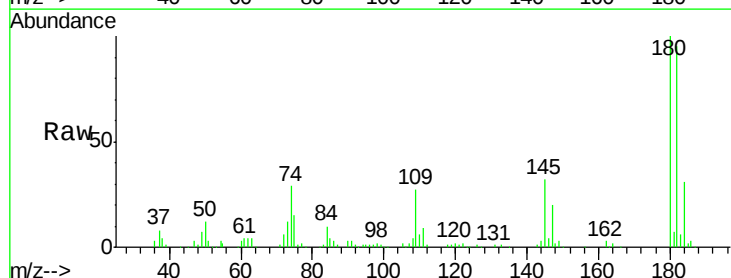
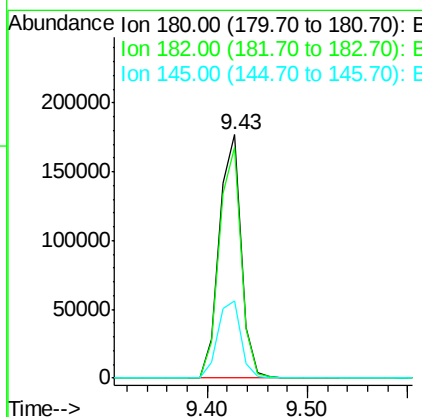
Manual Integrations
 APPROVED

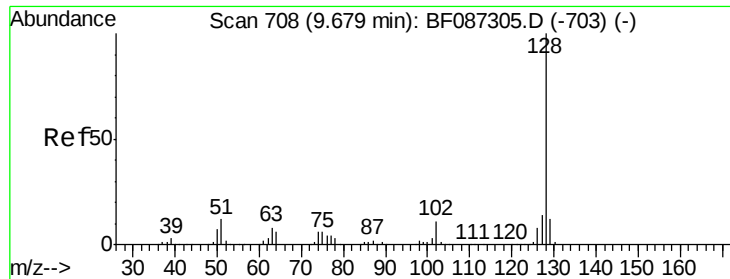
umangi
 5/31/2016 7:03:56 PM



#30
 1,2,4-Trichlorobenzene
 Concen: 35.65 ng
 RT: 9.43 min Scan# 686
 Delta R.T. -0.00 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

Tgt Ion:	180	Resp:	267295
Ion Ratio	Lower	Upper	
180	100		
182	94.8	78.0	117.0
145	31.7	24.2	36.2





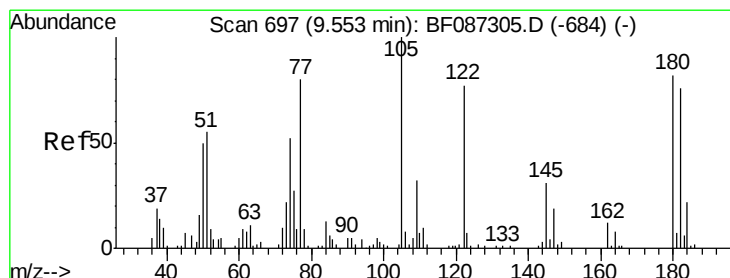
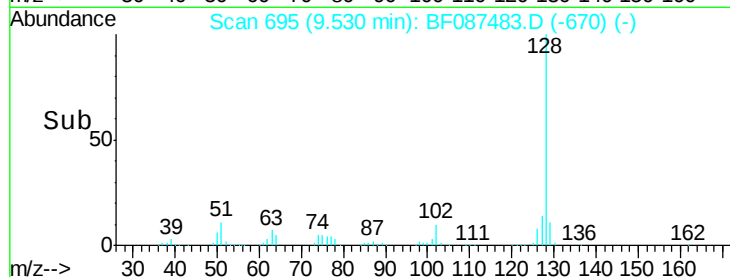
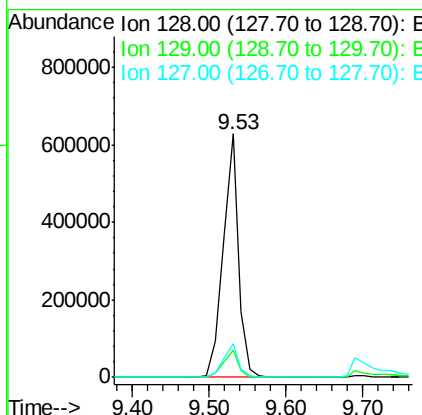
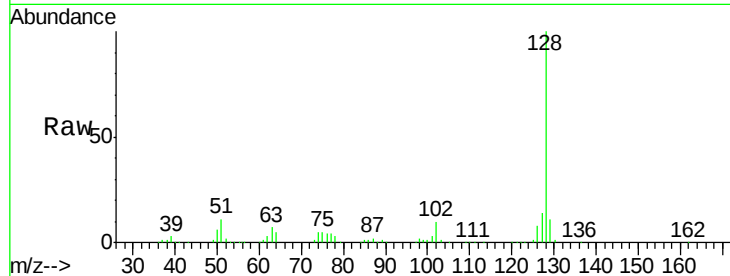
#31
Naphthalene
Concen: 36.37 ng
RT: 9.53 min Scan# 695
Delta R.T. -0.01 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Instrument :
BNA_F
ClientSampleId :
PB90944BS

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	891054		
129	11.0	8.6	13.0	
127	13.8	10.8	16.2	

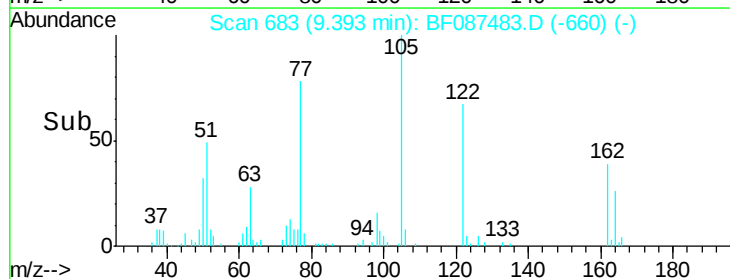
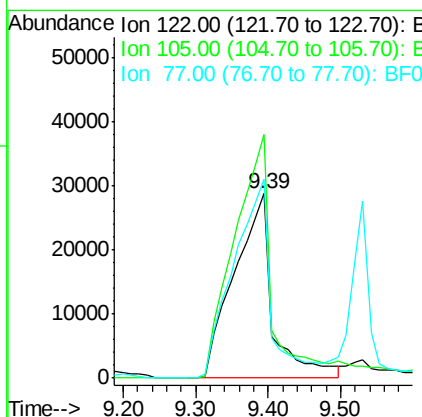
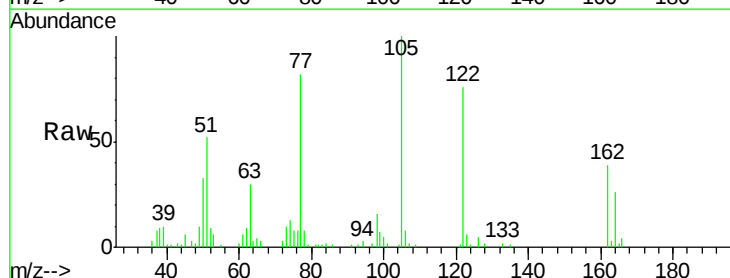
Manual Integrations
APPROVED

umangi
5/31/2016 7:03:56 PM



#32
Benzoic acid
Concen: 30.87 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.03 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	106657		
105	131.9	92.6	132.6	
77	107.9	60.0	100.0	





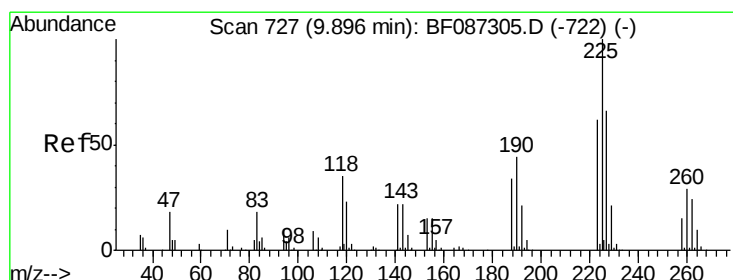
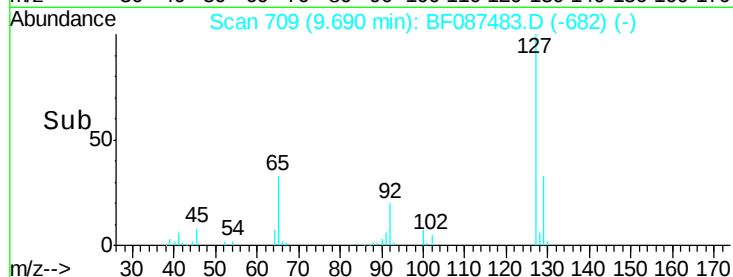
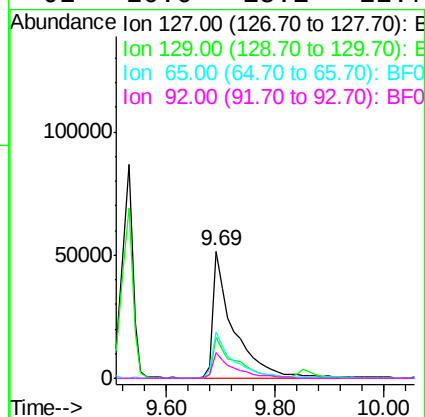
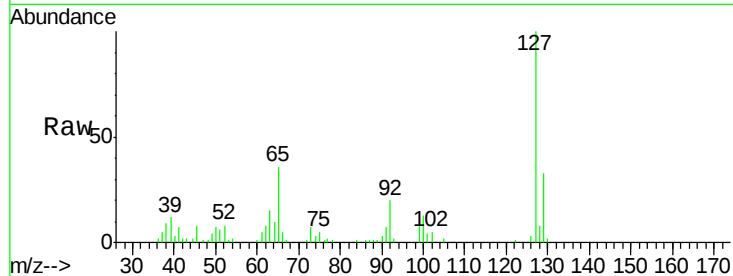
#33
 4-Chloroaniline
 Concen: 15.24 ng
 RT: 9.69 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

Instrument :
 BNA_F
 ClientSampleId :
 PB90944BS

Tgt Ion	Ratio	Resp Lower	Resp Upper
127	100		
129	32.5	26.2	39.4
65	35.8	23.0	34.4
92	20.0	15.1	22.7

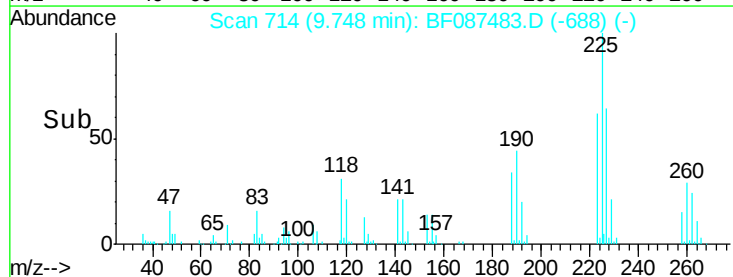
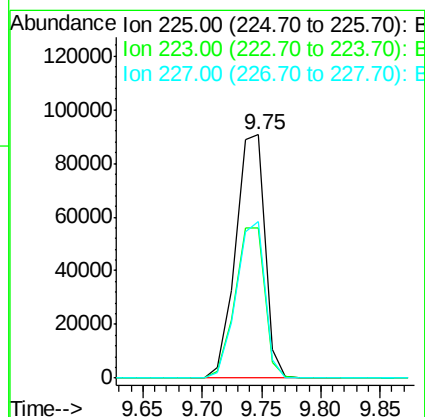
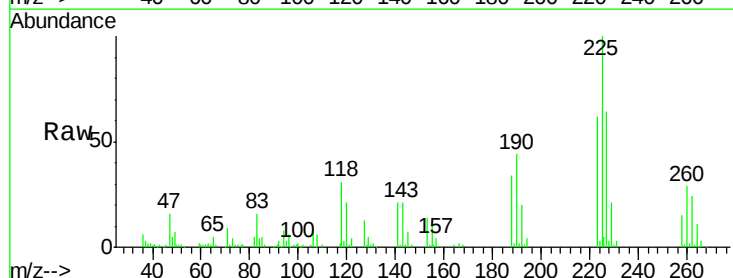
Manual Integrations
 APPROVED

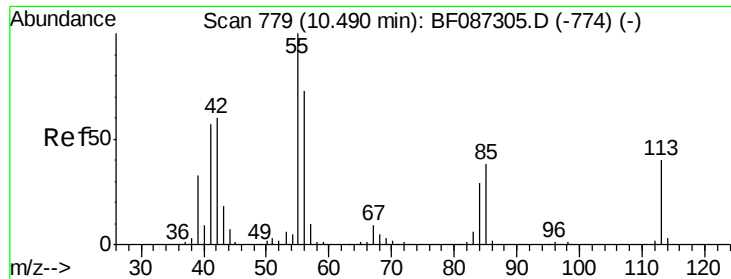
umangi
 5/31/2016 7:03:56 PM



#34
 Hexachlorobutadiene
 Concen: 34.31 ng
 RT: 9.75 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	61.6	51.5	77.3
227	64.4	52.2	78.2





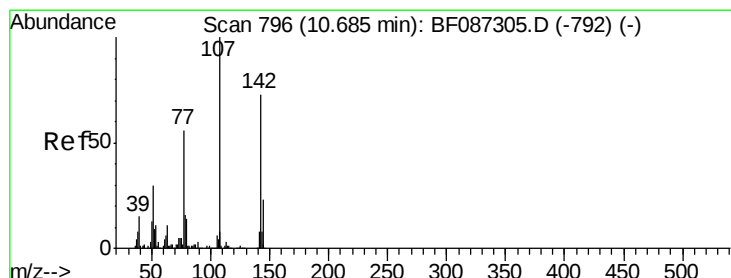
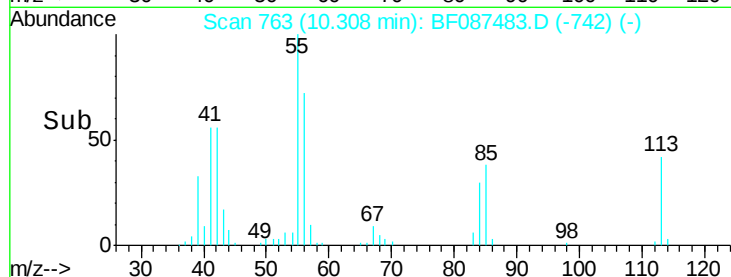
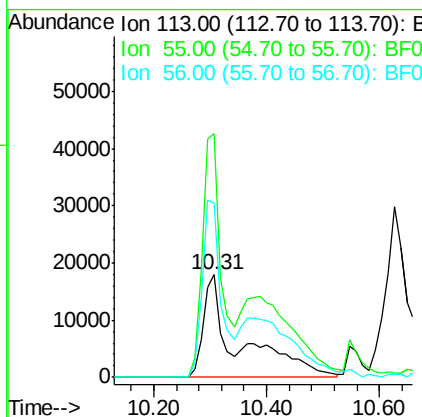
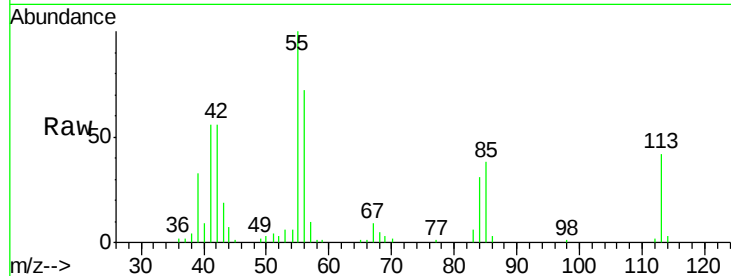
#35
Caprolactam
Concen: 40.30 ng m
RT: 10.31 min Scan# 763
Delta R.T. -0.06 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Instrument :
BNA_F
ClientSampleId :
PB90944BS

Tgt Ion:113 Resp: 77041
Ion Ratio Lower Upper
113 100
55 237.6 162.0 202.0#
56 170.5 115.3 155.3#

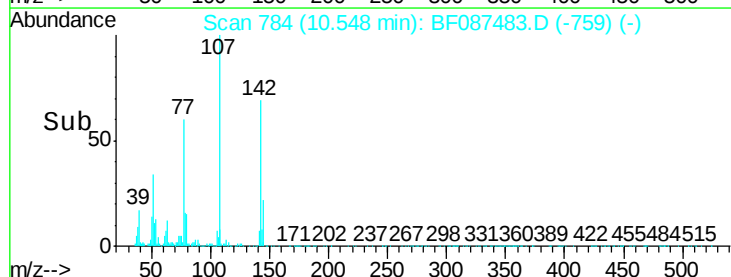
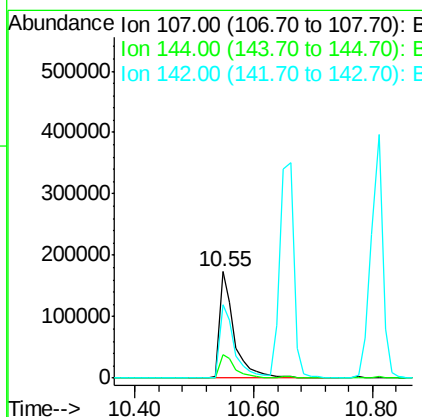
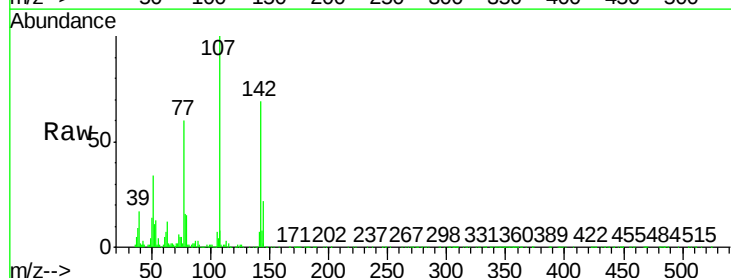
Manual Integrations
APPROVED

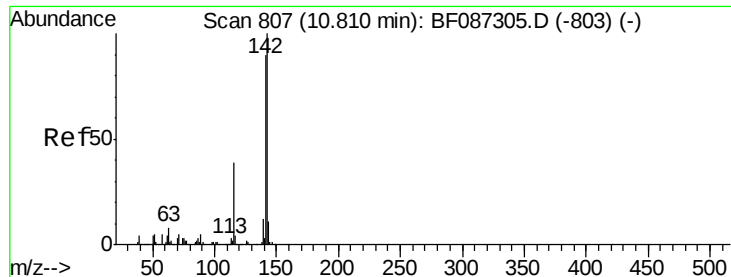
umangi
5/31/2016 7:03:56 PM



#36
4-Chloro-3-methylphenol
Concen: 39.74 ng
RT: 10.55 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Tgt Ion:107 Resp: 294274
Ion Ratio Lower Upper
107 100
144 21.8 20.7 31.1
142 69.1 63.2 94.8





#37

2-Methylnaphthalene

Concen: 37.80 ng

RT: 10.66 min Scan# 794

Delta R.T. -0.00 min

Lab File: BF087483.D

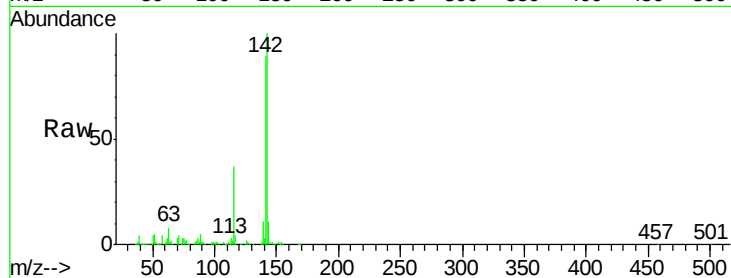
Acq: 28 May 2016 17:06

Instrument :

BNA_F

ClientSampleID :

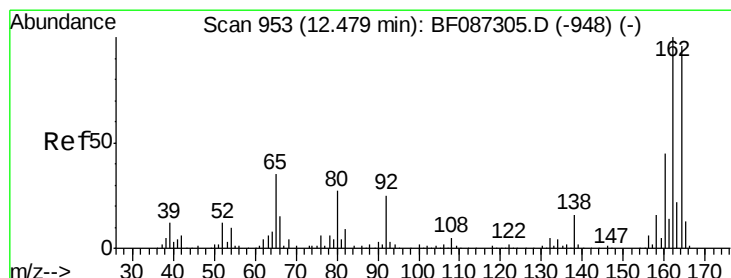
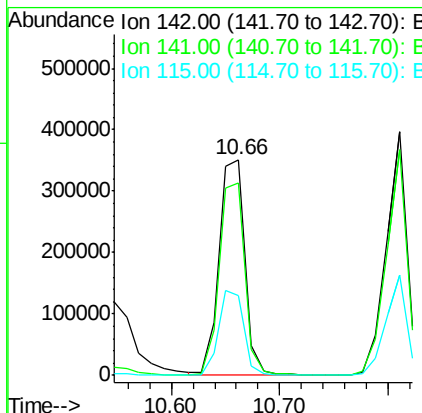
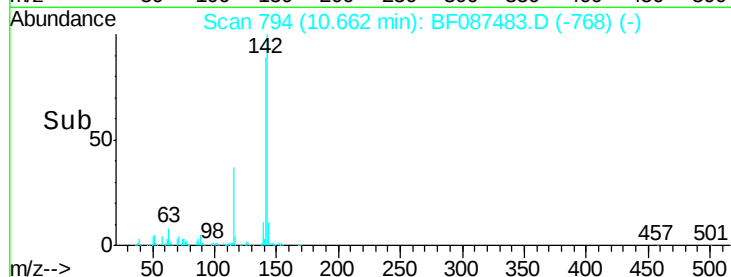
PB90944BS



Tgt Ion:	142	Resp:	578549
Ion Ratio	Lower	Upper	
142	100		
141	89.4	71.0	106.6
115	37.0	26.6	39.8

Manual Integrations
APPROVED

umangi
5/31/2016 7:03:56 PM



#38

Acenaphthene-d10

Concen: 20.00 ng

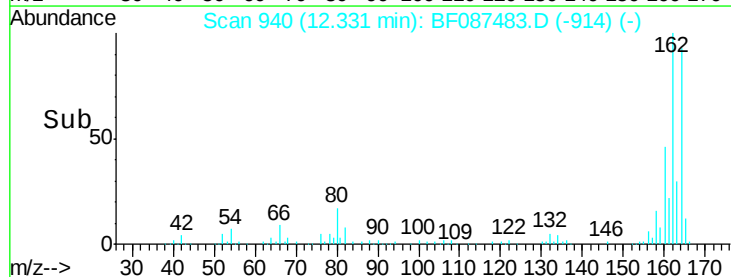
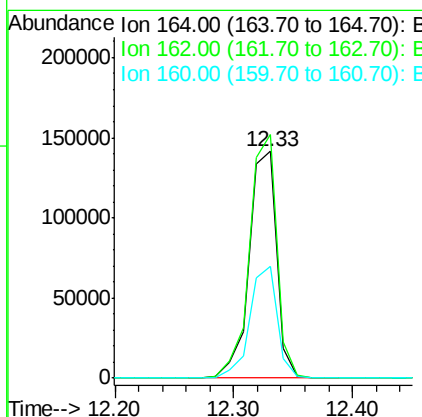
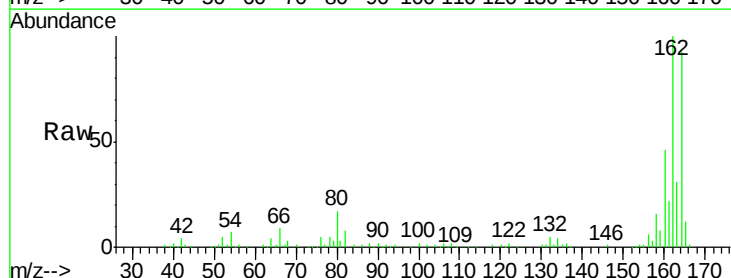
RT: 12.33 min Scan# 940

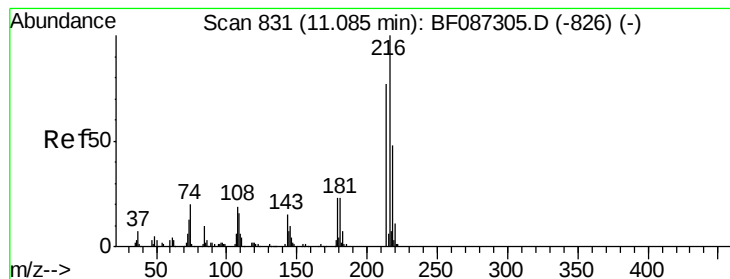
Delta R.T. -0.00 min

Lab File: BF087483.D

Acq: 28 May 2016 17:06

Tgt Ion:	164	Resp:	229414
Ion Ratio	Lower	Upper	
164	100		
162	107.4	82.8	124.2
160	49.3	36.9	55.3





#39

1,2,4,5-Tetrachlorobenzene

Concen: 34.45 ng

RT: 10.94 min Scan# 818

Delta R.T. -0.00 min

Lab File: BF087483.D

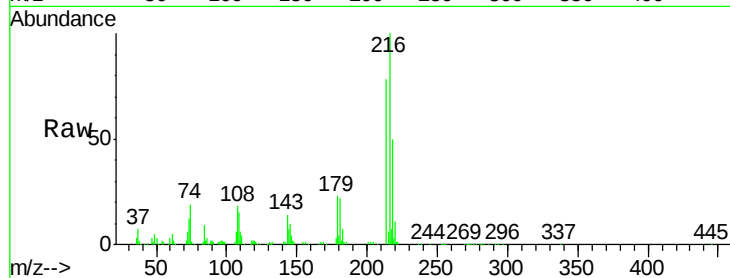
Acq: 28 May 2016 17:06

Instrument :

BNA_F

ClientSampleId :

PB90944BS



Tgt Ion: 216 Resp: 252983

Ion Ratio Lower Upper

216 100

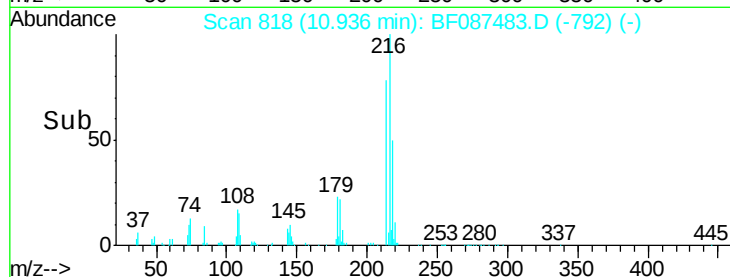
214 78.8 62.6 93.8

179 23.5 18.2 27.4

108 24.0 17.5 26.3

Manual Integrations
APPROVED

umangi
5/31/2016 7:03:56 PM

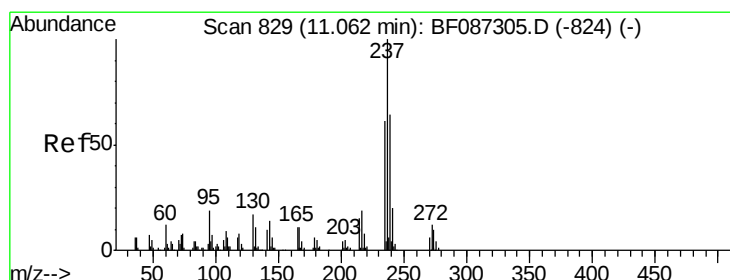
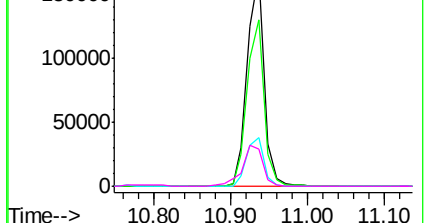


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 53.71 ng

RT: 10.90 min Scan# 815

Delta R.T. -0.01 min

Lab File: BF087483.D

Acq: 28 May 2016 17:06

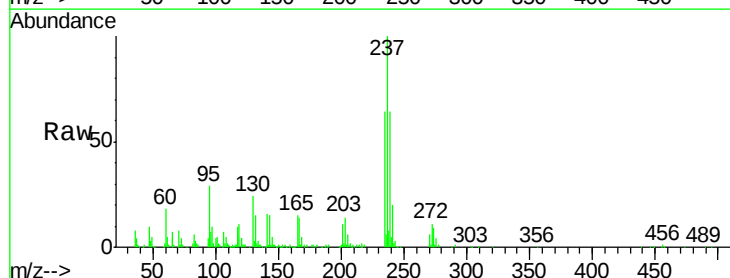
Tgt Ion: 237 Resp: 151671

Ion Ratio Lower Upper

237 100

235 64.0 47.2 87.2

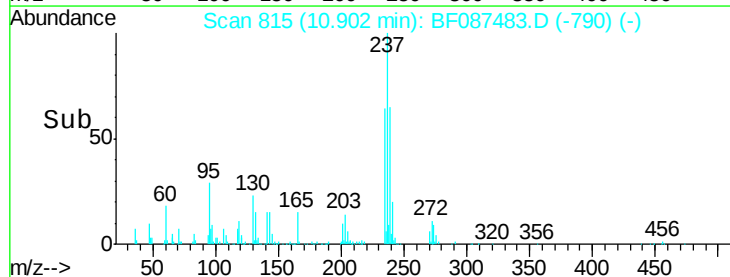
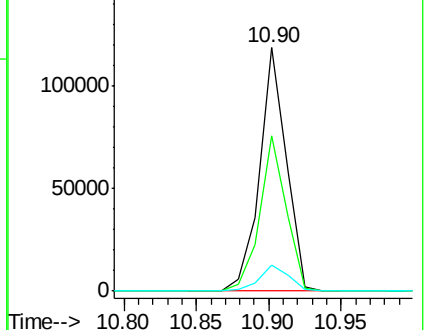
272 10.9 0.0 31.1

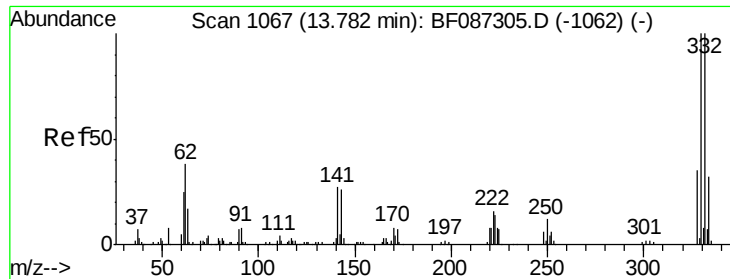


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 114.37 ng

RT: 13.62 min Scan# 1053

Delta R.T. -0.01 min

Lab File: BF087483.D

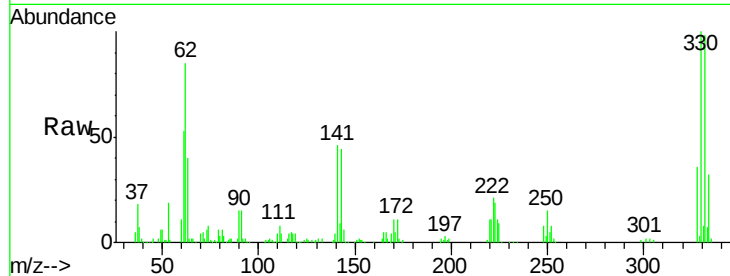
Acq: 28 May 2016 17:06

Instrument :

BNA_F

ClientSampleId :

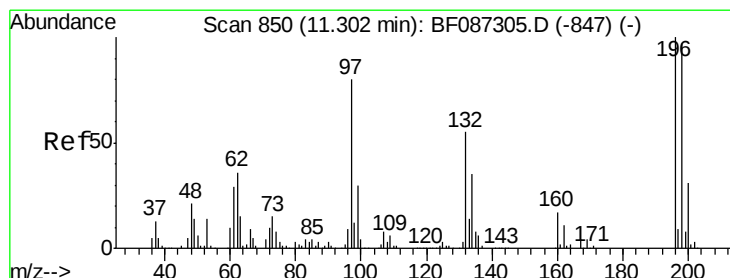
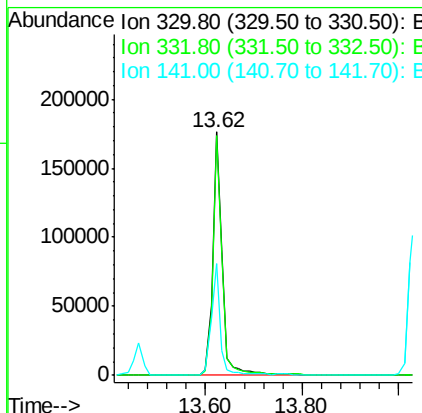
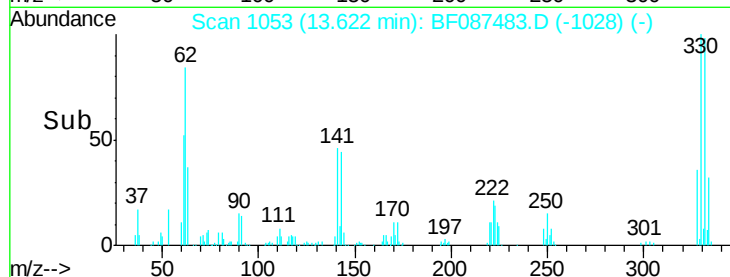
PB90944BS



Tgt Ion:	330	Resp:	252139
Ion Ratio	Lower	Upper	
330	100		
332	96.7	79.0	118.4
141	43.0	31.2	46.8

Manual Integrations
APPROVED

umangi
5/31/2016 7:03:56 PM



#42

2,4,6-Trichlorophenol

Concen: 35.73 ng

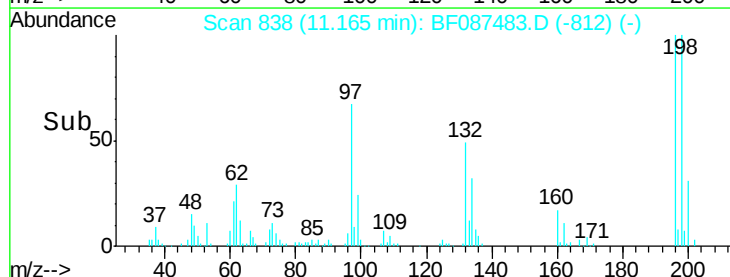
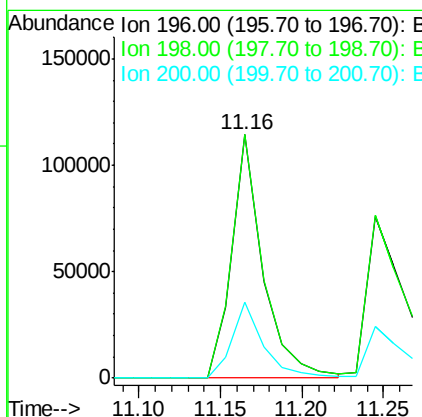
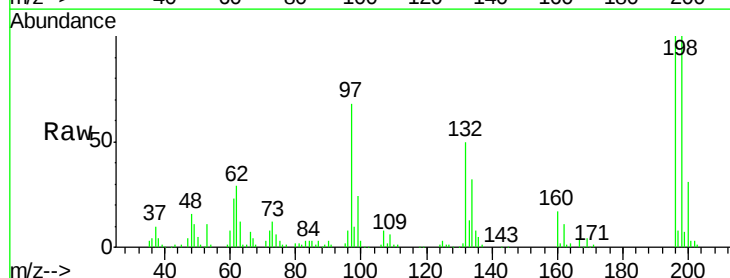
RT: 11.16 min Scan# 838

Delta R.T. -0.00 min

Lab File: BF087483.D

Acq: 28 May 2016 17:06

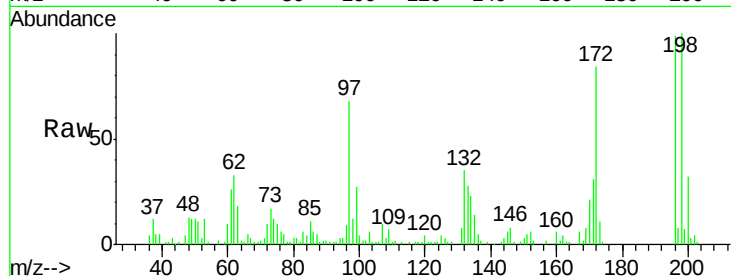
Tgt Ion:	196	Resp:	151450
Ion Ratio	Lower	Upper	
196	100		
198	99.9	74.7	112.1
200	31.4	23.8	35.6





#43
 2,4,5-Trichlorophenol
 Concen: 35.50 ng
 RT: 11.24 min Scan# 845
 Delta R.T. -0.00 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

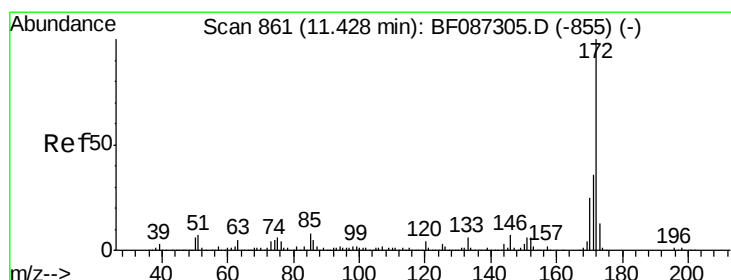
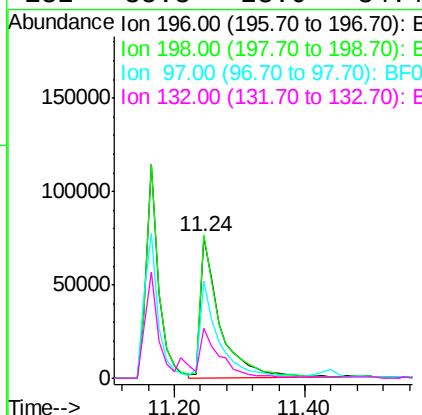
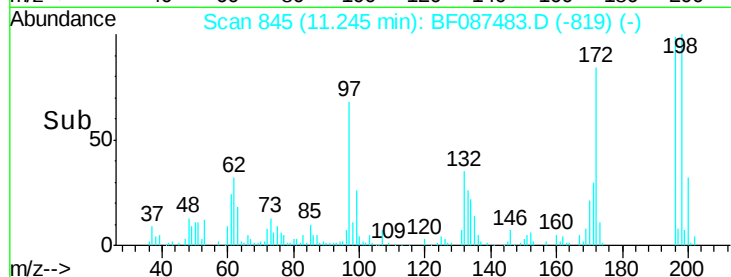
Instrument :
 BNA_F
 ClientSampleId :
 PB90944BS



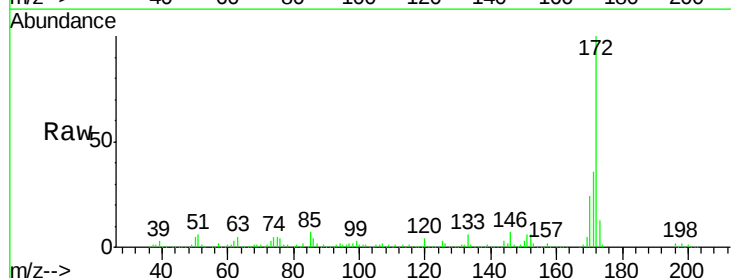
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	153224		
198	101.3	77.5	116.3	
97	69.2	34.8	52.2	
132	35.3	23.0	34.4	

Manual Integrations
 APPROVED

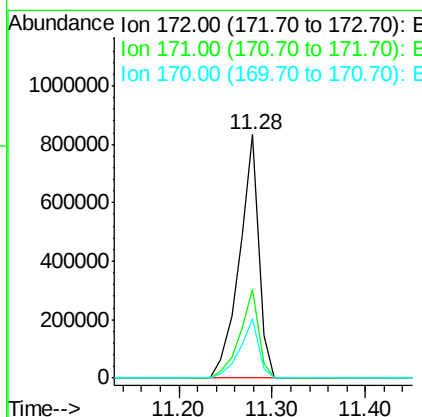
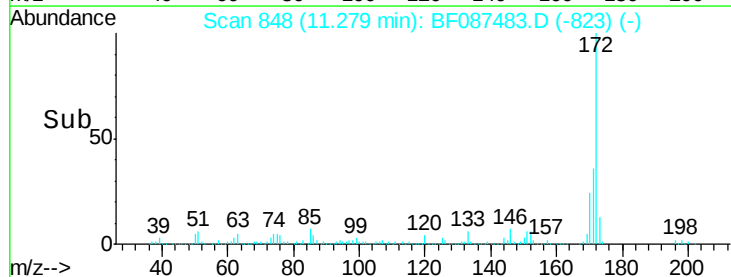
umangi
 5/31/2016 7:03:56 PM

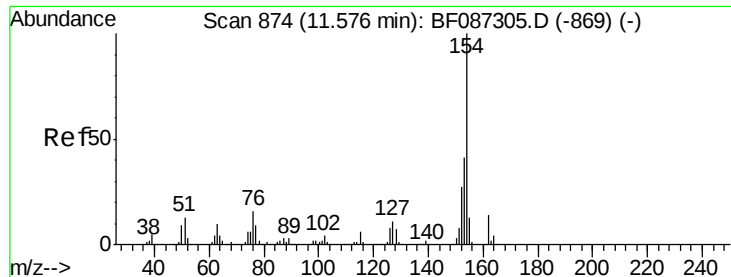


#44
 2-Fluorobiphenyl
 Concen: 73.77 ng
 RT: 11.28 min Scan# 848
 Delta R.T. -0.01 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06



Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1200496		
171	36.3	29.0	43.6	
170	24.2	19.8	29.8	





#45

1,1'-Biphenyl

Concen: 37.28 ng

RT: 11.43 min Scan# 861

Delta R.T. -0.01 min

Lab File: BF087483.D

Acq: 28 May 2016 17:06

Instrument :

BNA_F

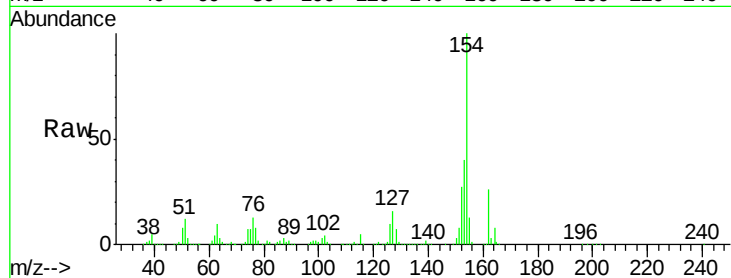
ClientSampleId :

PB90944BS

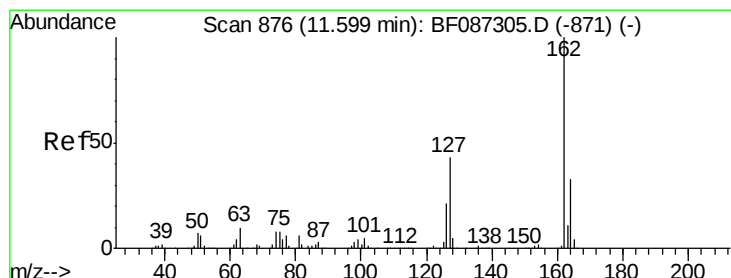
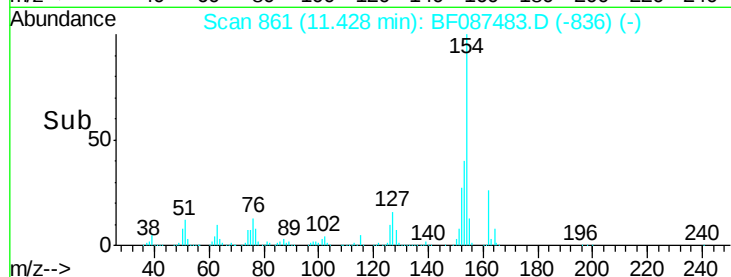
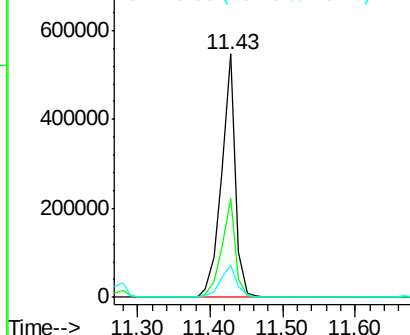
Tgt Ion:	154	Resp:	720086
Ion Ratio	Lower	Upper	
154	100		
153	40.4	20.3	60.3
76	13.1	0.0	30.2

Manual Integrations
APPROVED

umangi
5/31/2016 7:03:56 PM



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



#46

2-Chloronaphthalene

Concen: 35.63 ng

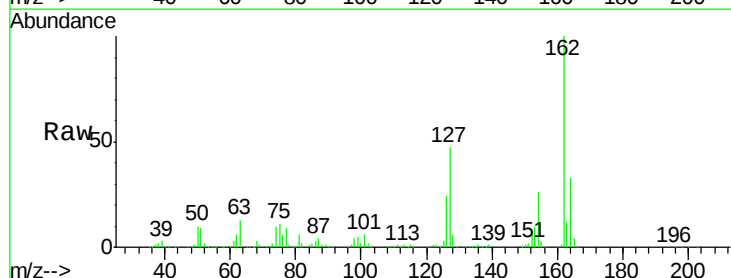
RT: 11.44 min Scan# 862

Delta R.T. -0.01 min

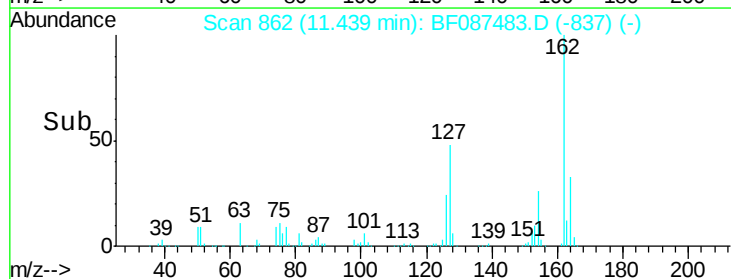
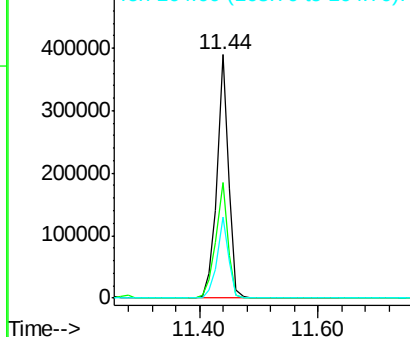
Lab File: BF087483.D

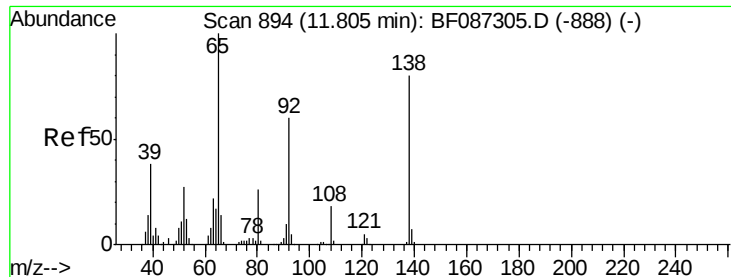
Acq: 28 May 2016 17:06

Tgt Ion:	162	Resp:	526499
Ion Ratio	Lower	Upper	
162	100		
127	47.2	31.8	47.6
164	33.1	27.0	40.6



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





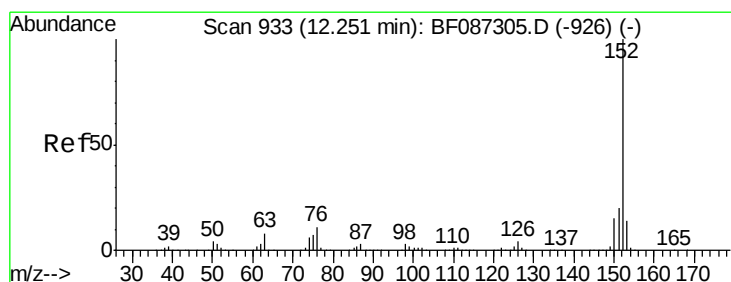
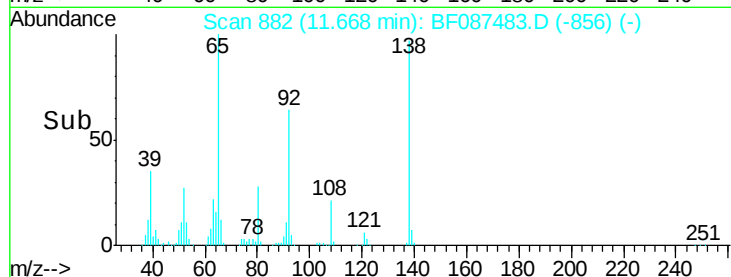
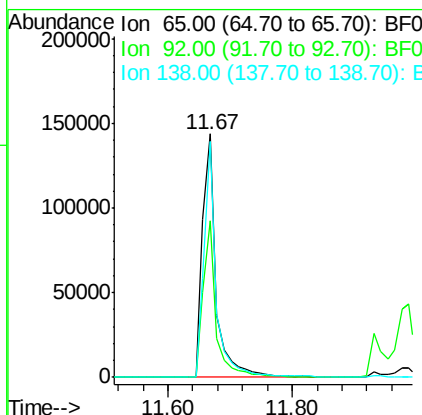
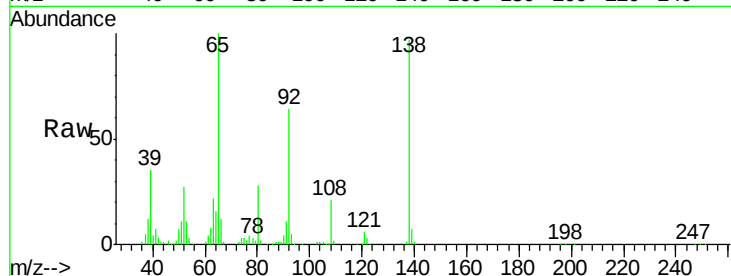
#47
2-Nitroaniline
Concen: 41.62 ng
RT: 11.67 min Scan# 882
Delta R.T. -0.00 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Instrument :
BNA_F
ClientSampleId :
PB90944BS

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	221563		
92	64.1	57.4	86.2	
138	96.7	90.1	135.1	

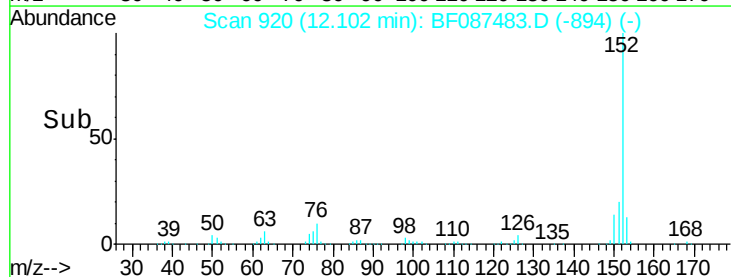
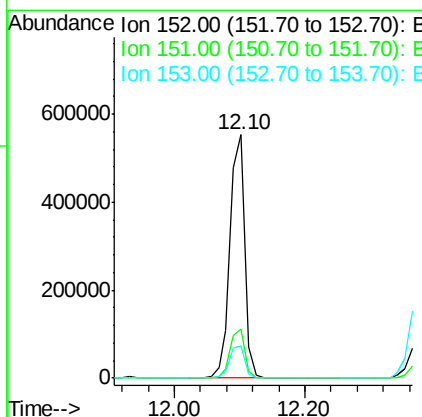
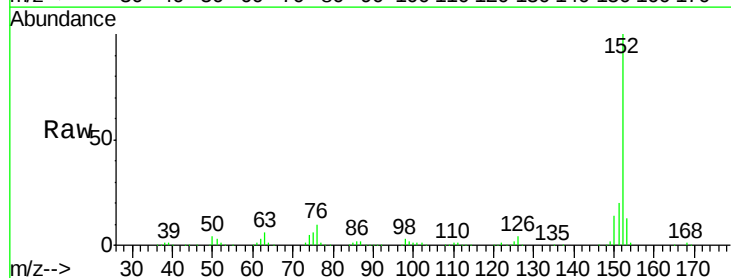
Manual Integrations
APPROVED

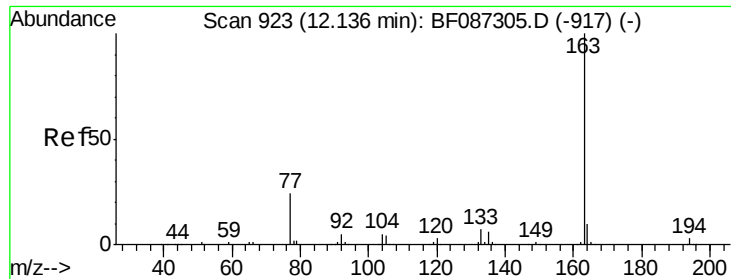
umangi
5/31/2016 7:03:56 PM



#48
Acenaphthylene
Concen: 36.82 ng
RT: 12.10 min Scan# 920
Delta R.T. -0.00 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	861445		
151	20.2	16.8	25.2	
153	13.4	10.9	16.3	





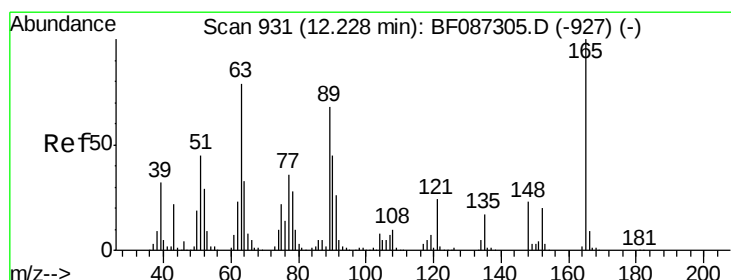
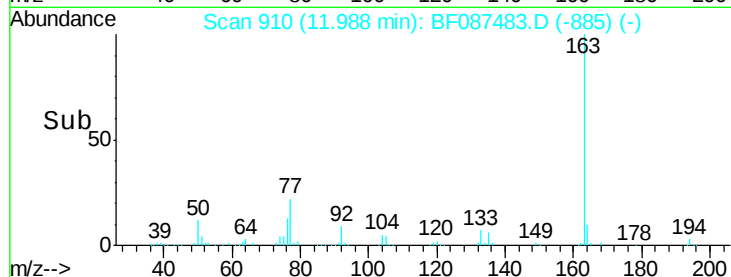
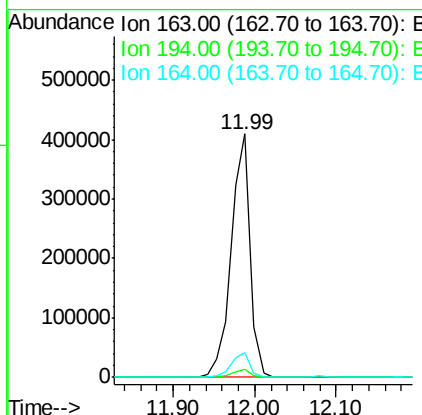
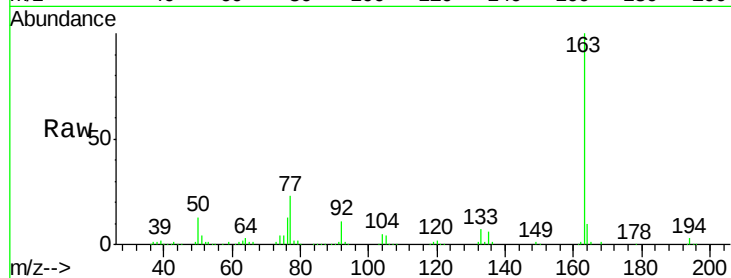
#49
Dimethylphthalate
Concen: 35.84 ng
RT: 11.99 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Instrument :
BNA_F
ClientSampleId :
PB90944BS

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	658573		
194	3.3	2.6	4.0	
164	10.0	8.2	12.4	

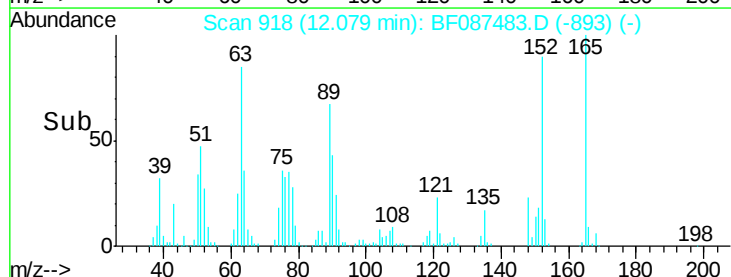
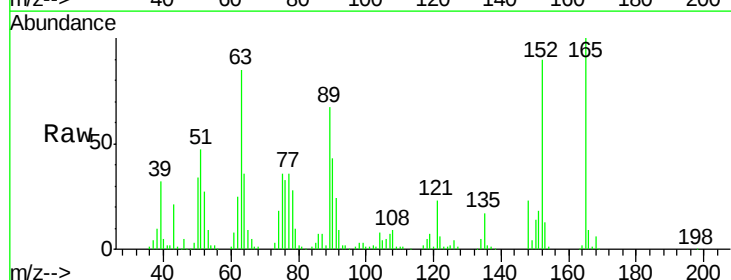
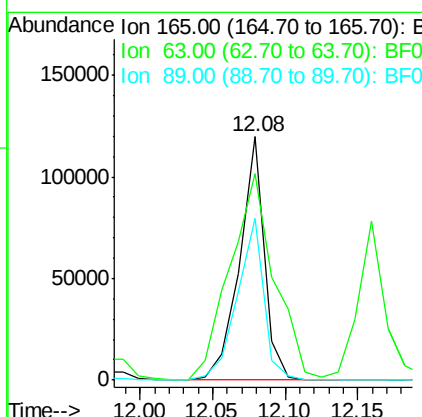
Manual Integrations
APPROVED

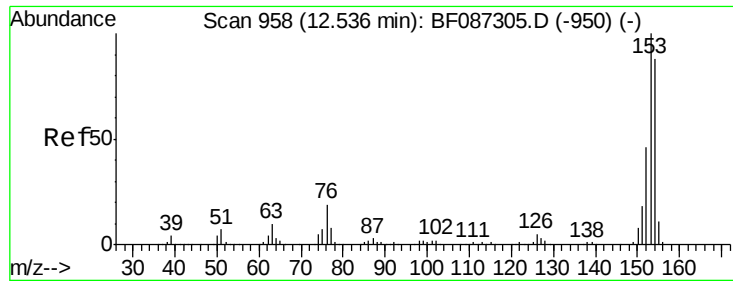
umangi
5/31/2016 7:03:56 PM



#50
2,6-Dinitrotoluene
Concen: 38.32 ng
RT: 12.08 min Scan# 918
Delta R.T. -0.01 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	141905		
63	84.8	51.8	77.8#	
89	66.6	50.7	76.1	





#51

Acenaphthene

Concen: 36.09 ng

RT: 12.38 min Scan# 944

Delta R.T. -0.01 min

Lab File: BF087483.D

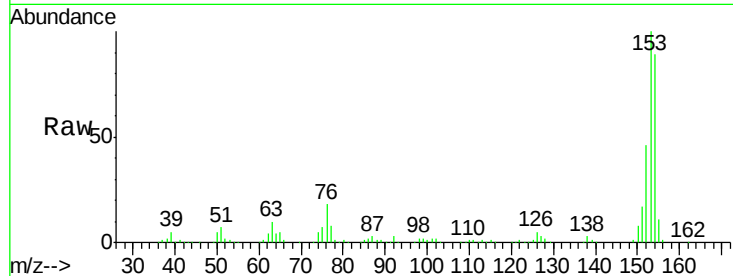
Acq: 28 May 2016 17:06

Instrument :

BNA_F

ClientSampleId :

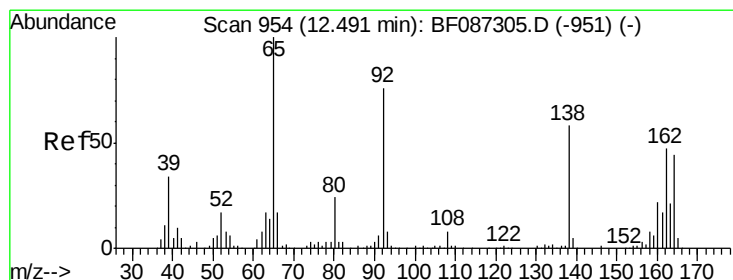
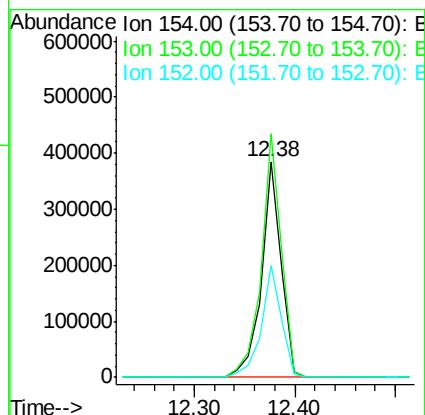
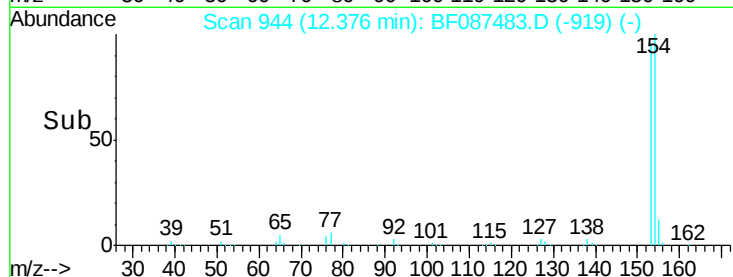
PB90944BS



Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	112.9	518954	89.8	134.6
152	52.1		43.4	65.0

Manual Integrations
APPROVED

umangi
5/31/2016 7:03:56 PM



#52

3-Nitroaniline

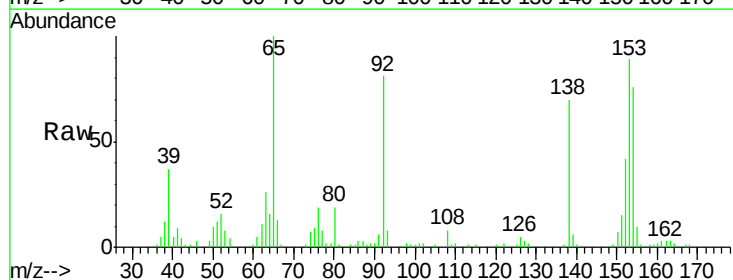
Concen: 21.20 ng

RT: 12.35 min Scan# 942

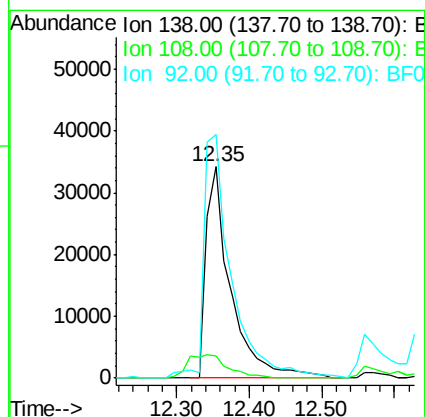
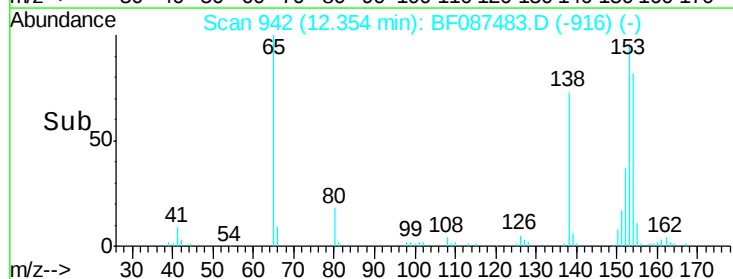
Delta R.T. -0.00 min

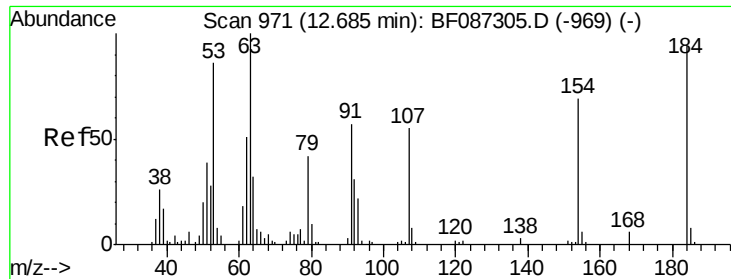
Lab File: BF087483.D

Acq: 28 May 2016 17:06



Tgt Ion	Ratio	Resp	Lower	Upper
138	100			
108	10.7	80578	7.8	11.6
92	115.1		87.8	131.8





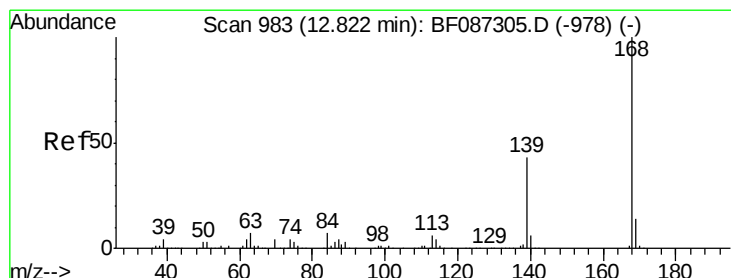
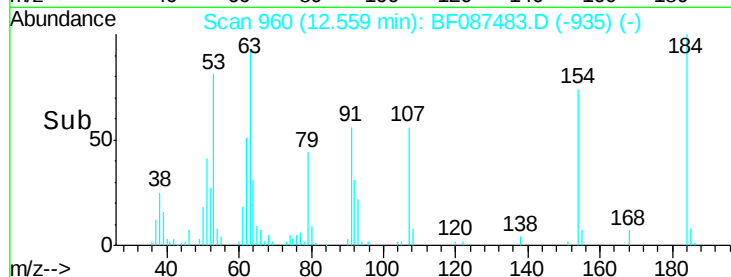
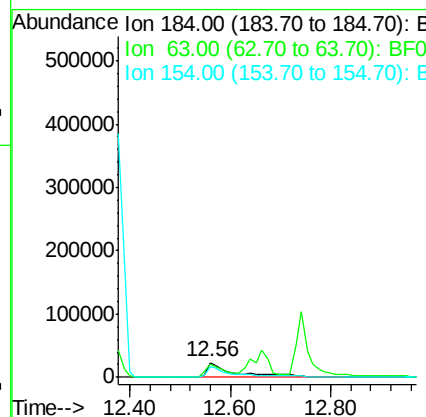
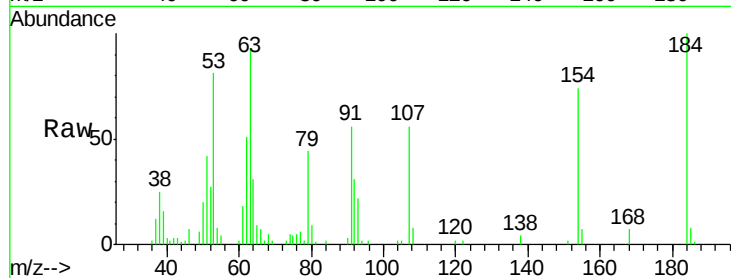
#53
2,4-Dinitrophenol
Concen: 51.33 ng
RT: 12.56 min Scan# 960
Delta R.T. -0.01 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Instrument :
BNA_F
ClientSampleId :
PB90944BS

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	92443		
63	93.4	55.8	83.8#	
154	73.6	62.4	93.6	

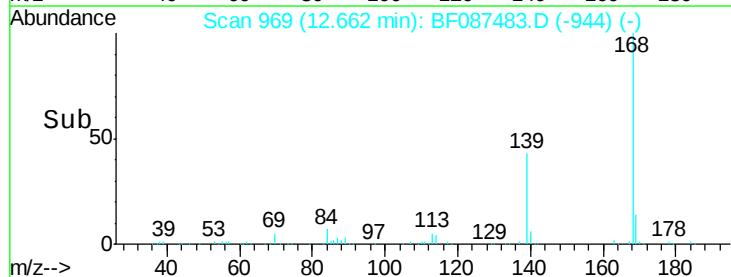
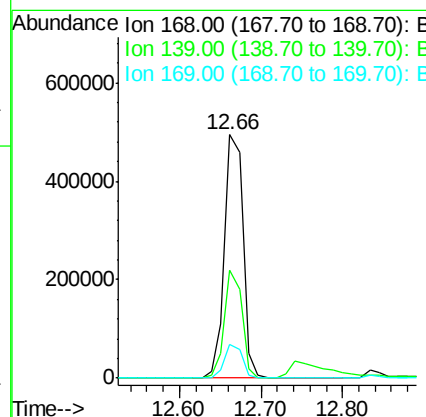
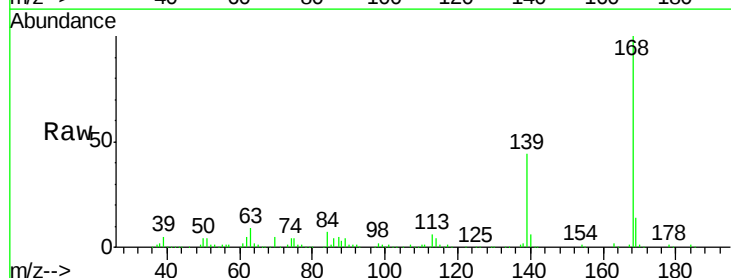
Manual Integrations
APPROVED

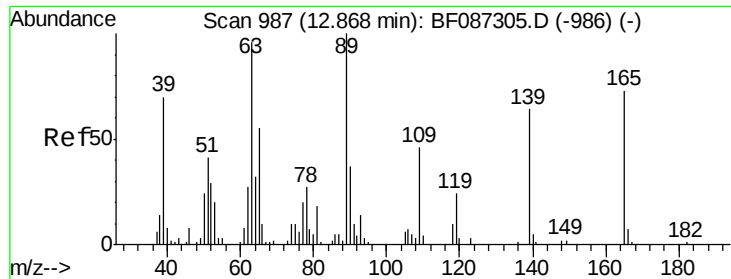
umangi
5/31/2016 7:03:56 PM



#54
Dibenzofuran
Concen: 40.07 ng
RT: 12.66 min Scan# 969
Delta R.T. -0.01 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	780097		
139	44.2	31.4	47.0	
169	13.8	10.7	16.1	





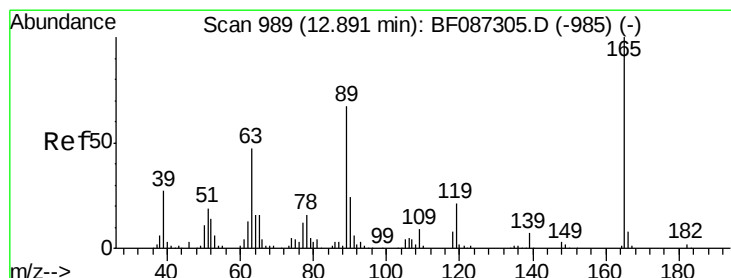
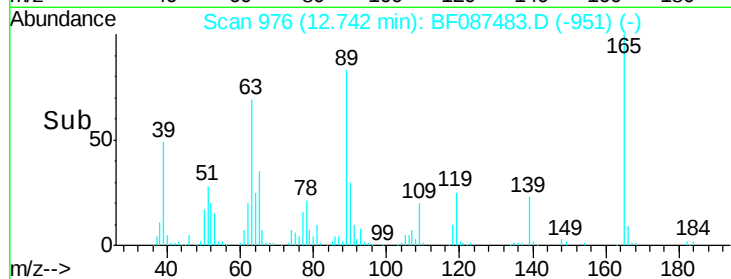
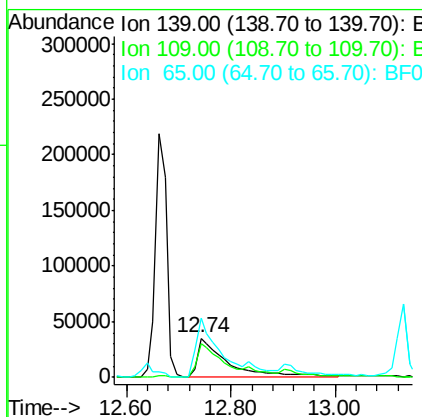
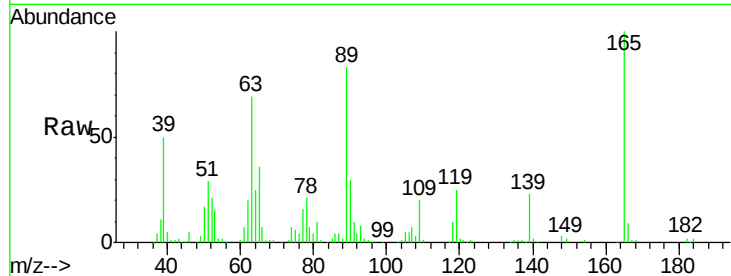
#55
4-Nitrophenol
Concen: 75.87 ng
RT: 12.74 min Scan# 976
Delta R.T. -0.01 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Instrument :
BNA_F
ClientSampleId :
PB90944BS

Manual Integrations
APPROVED

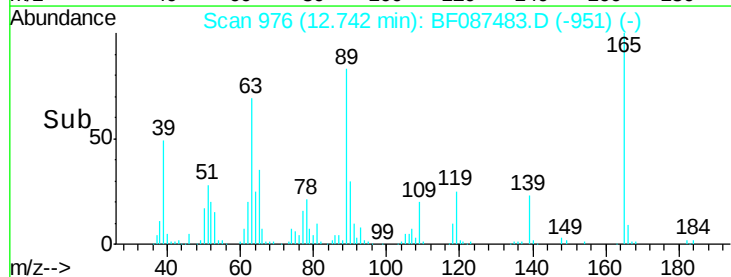
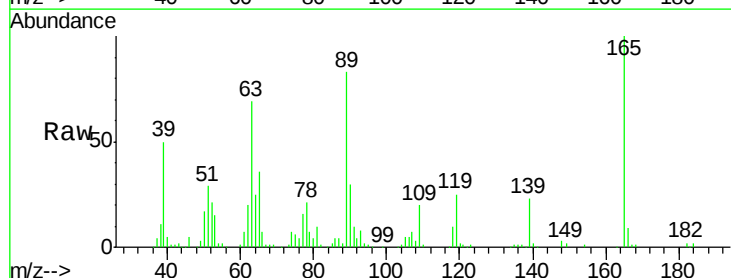
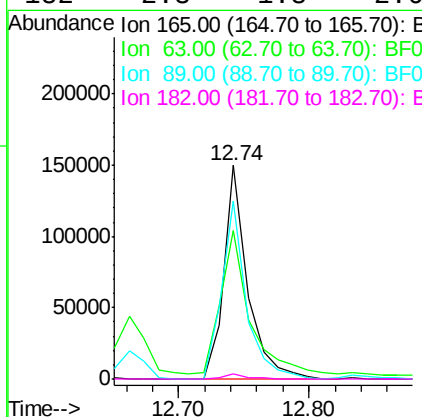
umangi
5/31/2016 7:03:56 PM

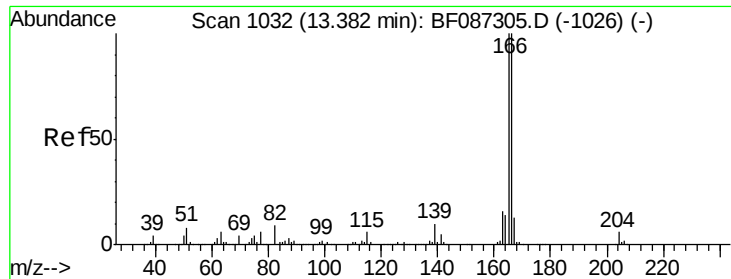
Tgt Ion	Ratio	Resp	Lower	Upper
139	100	137544		
109	87.4	36.9	76.9#	
65	153.5	64.0	104.0#	



#56
2,4-Dinitrotoluene
Concen: 38.65 ng
RT: 12.74 min Scan# 976
Delta R.T. -0.01 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	191272		
63	69.3	44.3	66.5#	
89	83.2	70.0	105.0	
182	2.3	1.8	2.6	





#57

Fluorene

Concen: 37.35 ng

RT: 13.22 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BF087483.D

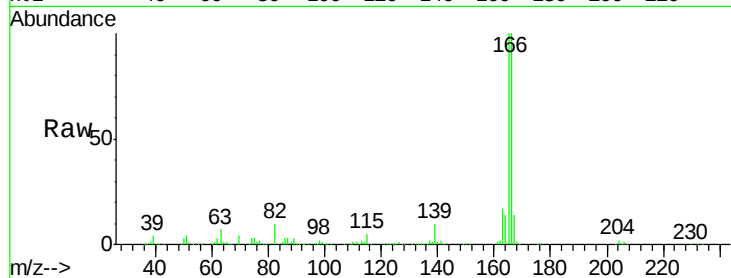
Acq: 28 May 2016 17:06

Instrument :

BNA_F

ClientSampleId :

PB90944BS



Tgt Ion:166 Resp: 630502

Ion Ratio Lower Upper

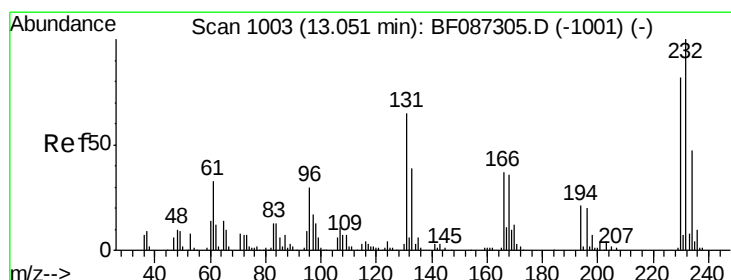
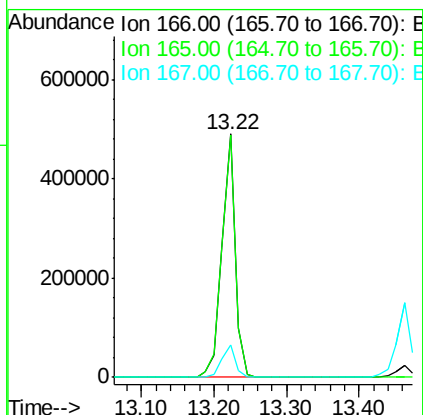
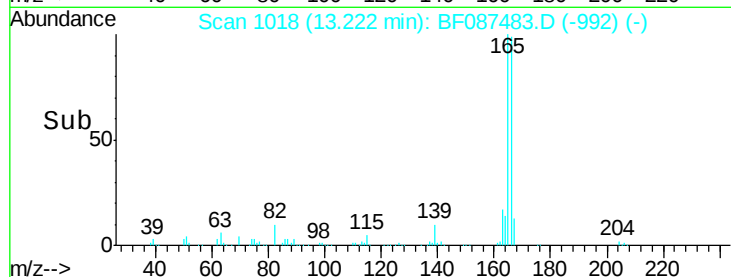
166 100

165 99.7 79.0 118.6

167 13.6 10.6 15.8

Manual Integrations
APPROVED

umangi
5/31/2016 7:03:56 PM



#58

2,3,4,6-Tetrachlorophenol

Concen: 42.13 ng

RT: 12.91 min Scan# 991

Delta R.T. -0.00 min

Lab File: BF087483.D

Acq: 28 May 2016 17:06

Tgt Ion:232 Resp: 139888

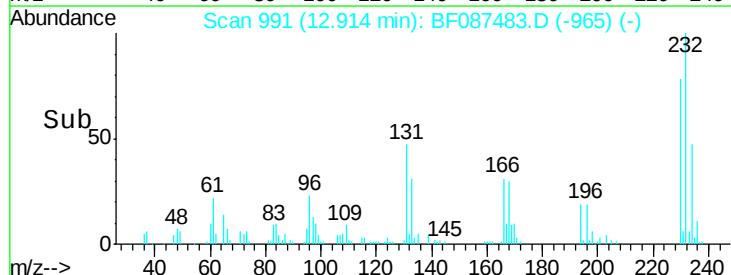
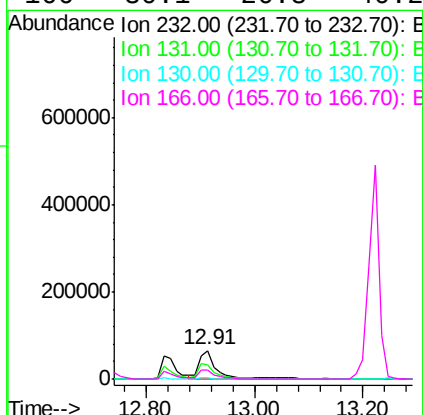
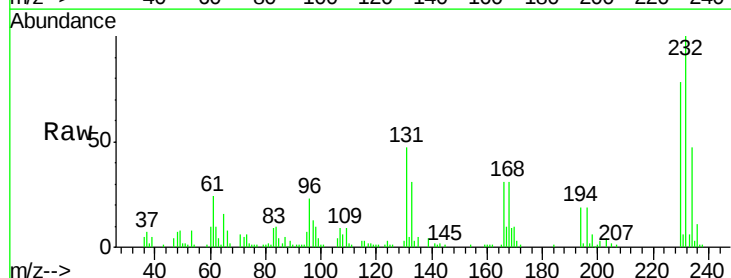
Ion Ratio Lower Upper

232 100

131 55.4 41.9 62.9

130 2.7 2.2 3.4

166 30.1 26.8 40.2





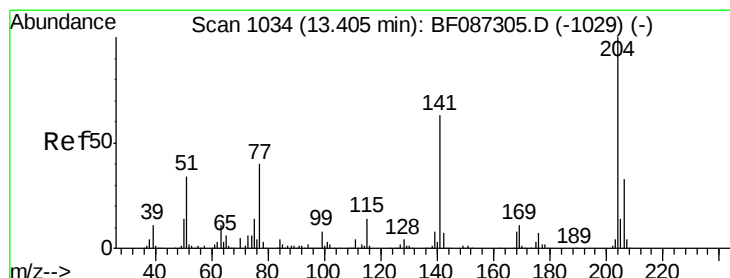
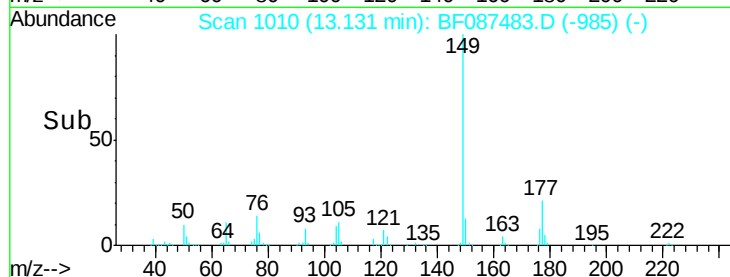
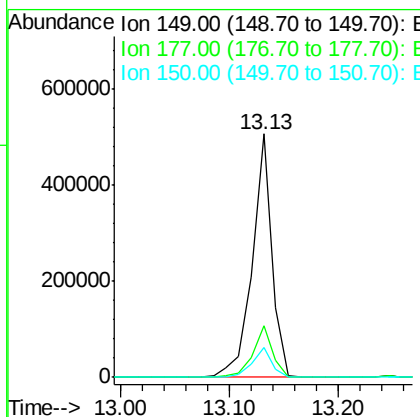
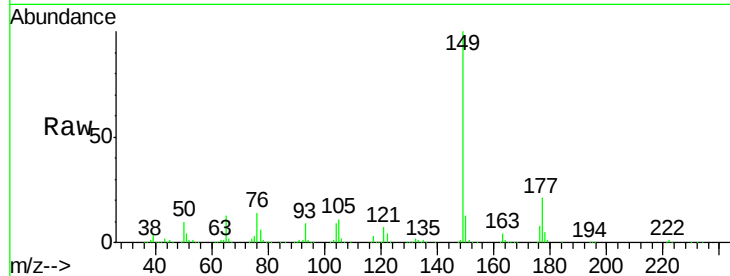
#59
Diethylphthalate
Concen: 35.81 ng
RT: 13.13 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Instrument :
BNA_F
ClientSampleId :
PB90944BS

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	639861		
177	21.4	16.6	24.8	
150	12.5	10.0	15.0	

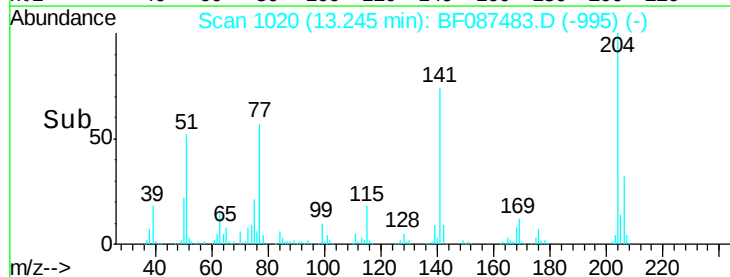
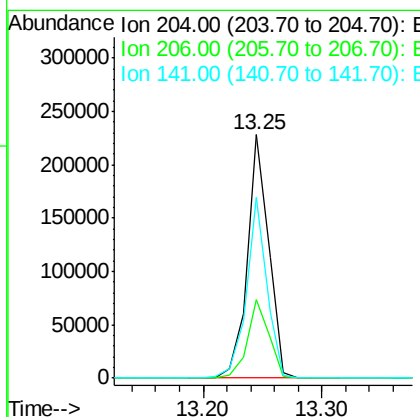
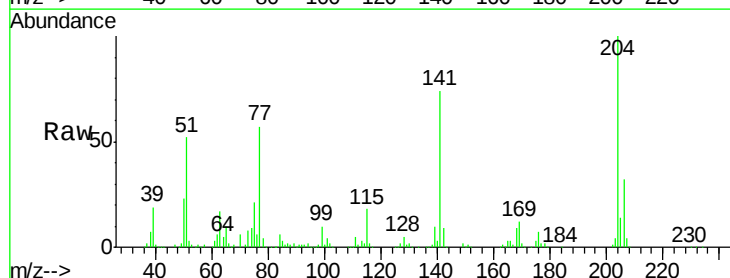
Manual Integrations
APPROVED

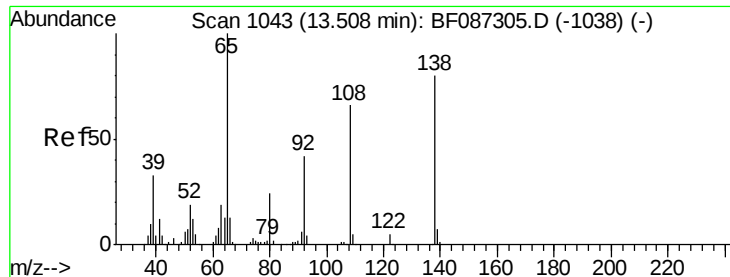
umangi
5/31/2016 7:03:56 PM



#60
4-Chlorophenyl-phenylether
Concen: 34.88 ng
RT: 13.25 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
204	100	287161		
206	32.3	25.4	38.0	
141	74.4	61.6	92.4	





#61

4-Nitroaniline

Concen: 35.87 ng

RT: 13.35 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BF087483.D

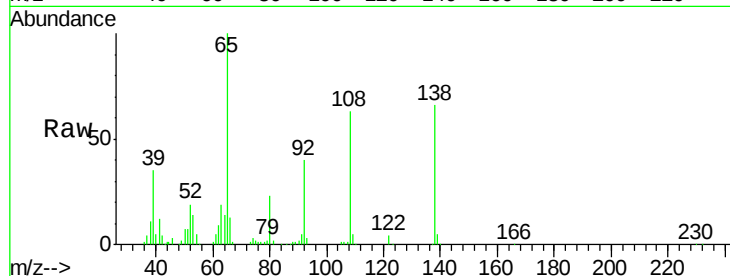
Acq: 28 May 2016 17:06

Instrument :

BNA_F

ClientSampleId :

PB90944BS



Tgt Ion: 138 Resp: 127228

Ion Ratio Lower Upper

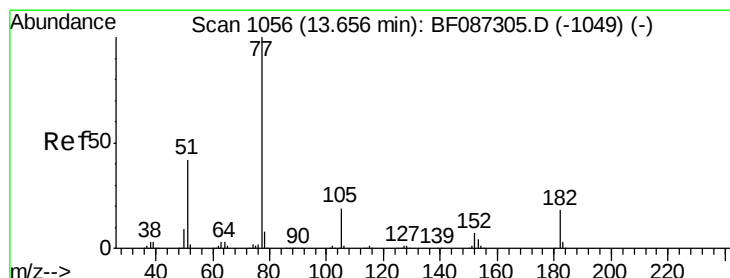
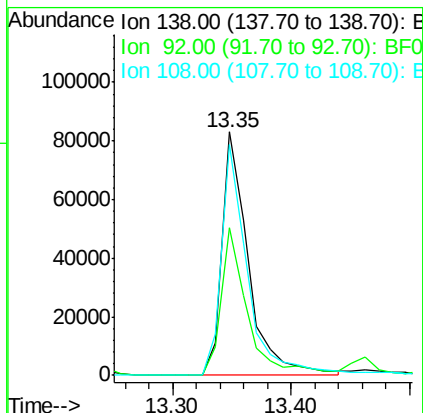
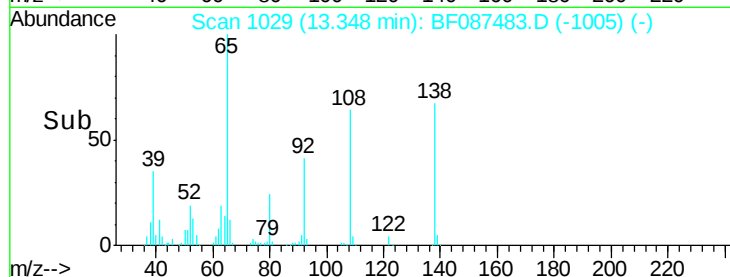
138 100

92 60.5 24.7 64.7

108 95.0 37.4 77.4#

Manual Integrations
APPROVED

umangi
5/31/2016 7:03:56 PM



#62

Azobenzene

Concen: 42.55 ng

RT: 13.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: BF087483.D

Acq: 28 May 2016 17:06

Tgt Ion: 77 Resp: 788788

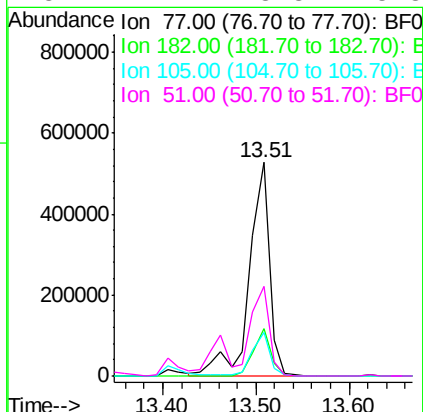
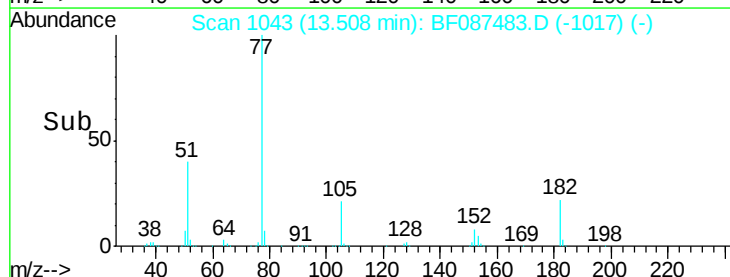
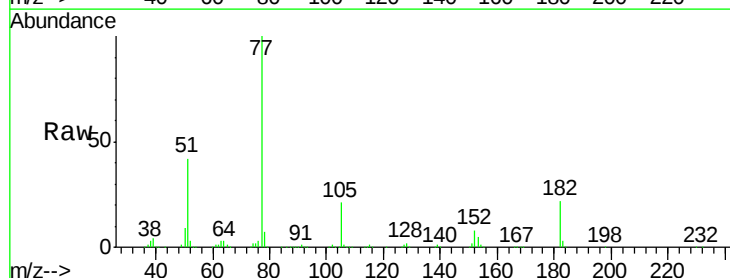
Ion Ratio Lower Upper

77 100

182 22.2 0.0 38.8

105 20.6 3.2 43.2

51 41.7 8.8 48.8





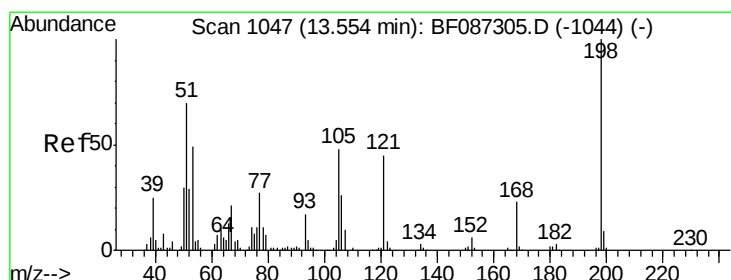
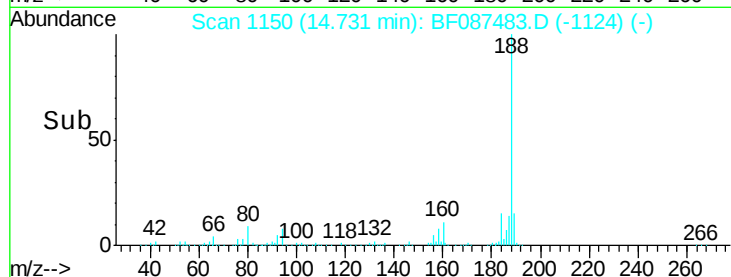
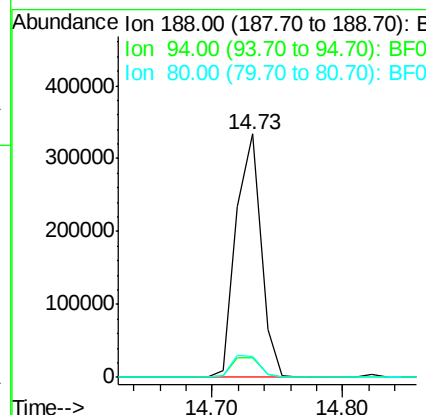
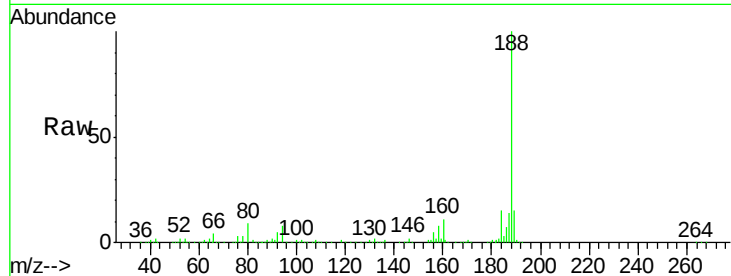
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.73 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Instrument :
BNA_F
ClientSampleId :
PB90944BS

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	446144		
94	7.9	6.8	10.2	
80	8.8	7.1	10.7	

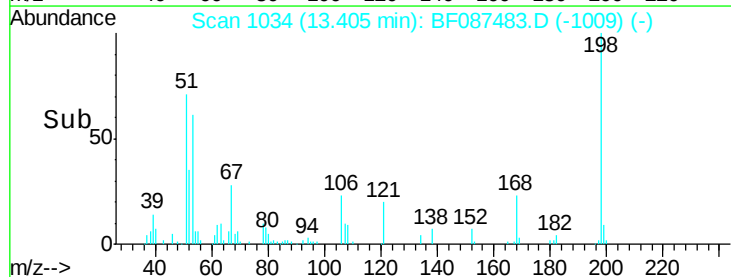
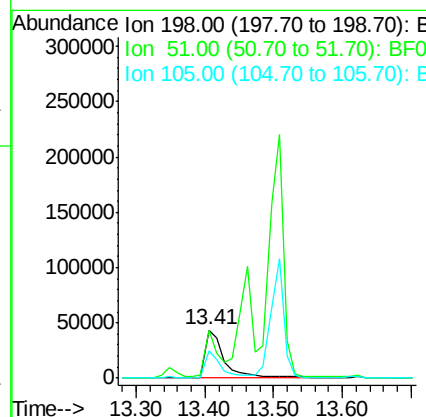
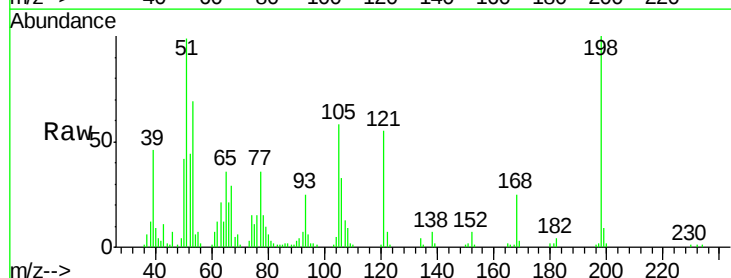
Manual Integrations
APPROVED

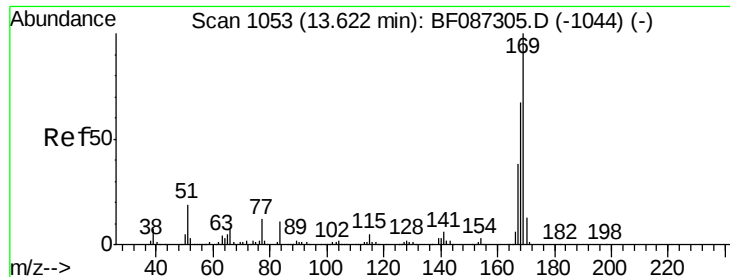
umangi
5/31/2016 7:03:56 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 30.17 ng
RT: 13.41 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
198	100	85599		
51	99.0	20.5	60.5#	
105	58.2	24.5	64.5	





#65

n-Nitrosodiphenylamine

Concen: 36.87 ng

RT: 13.46 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF087483.D

Acq: 28 May 2016 17:06

Instrument :

BNA_F

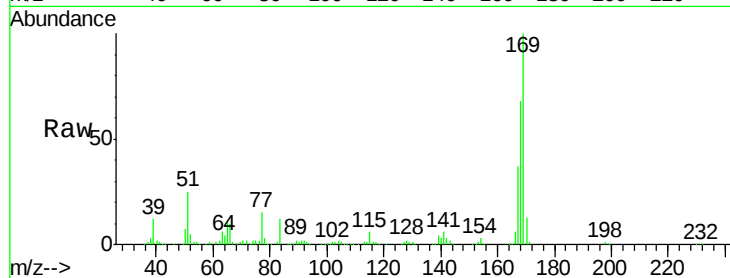
ClientSampleId :

PB90944BS

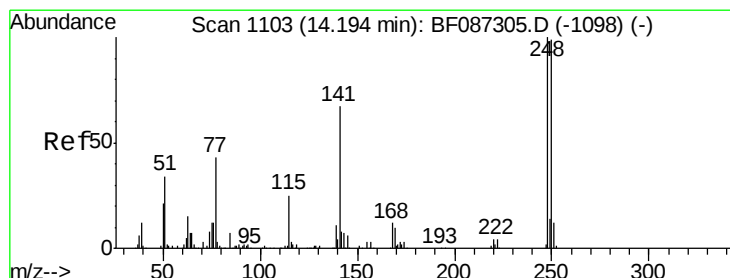
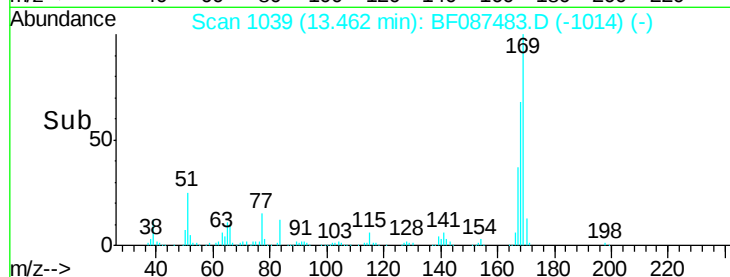
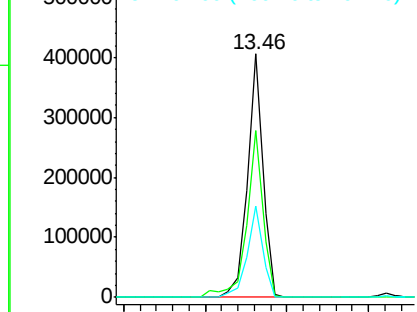
Tgt Ion:	169	Resp:	531961
Ion Ratio	Lower	Upper	
169	100		
168	68.4	53.8	80.6
167	37.3	29.5	44.3

Manual Integrations
APPROVED

umangi
5/31/2016 7:03:56 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: 35.49 ng

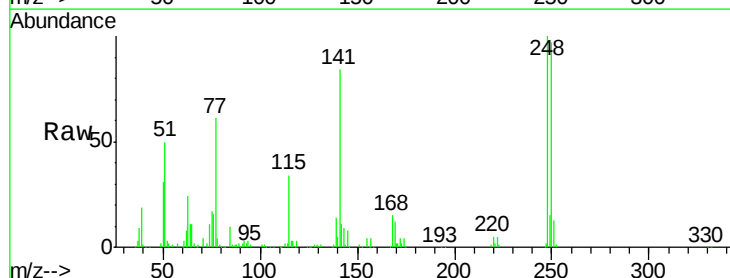
RT: 14.03 min Scan# 1089

Delta R.T. -0.00 min

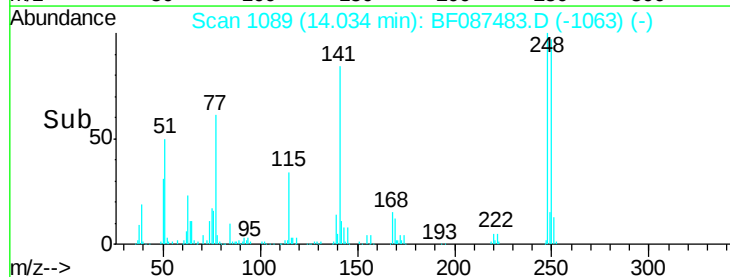
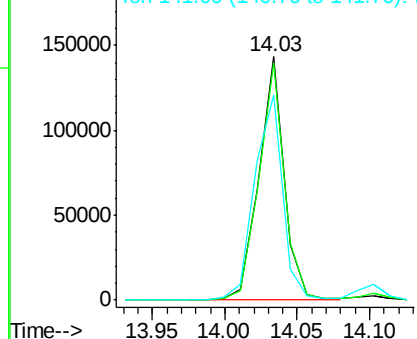
Lab File: BF087483.D

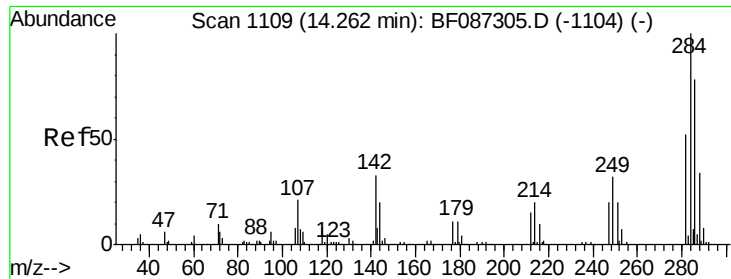
Acq: 28 May 2016 17:06

Tgt Ion:	248	Resp:	173232
Ion Ratio	Lower	Upper	
248	100		
250	97.2	78.6	117.8
141	84.3	76.0	114.0



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





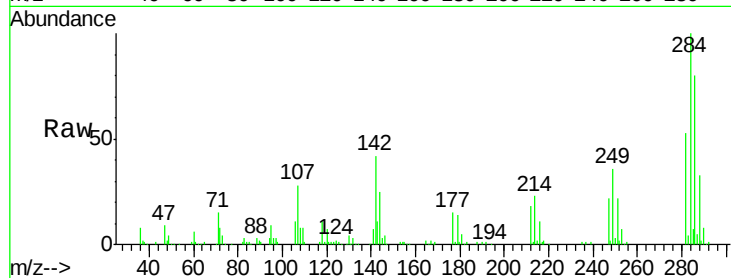
#67
Hexachlorobenzene
Concen: 34.72 ng
RT: 14.10 min Scan# 1095
Delta R.T. -0.01 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Instrument :
BNA_F
ClientSampleId :
PB90944BS

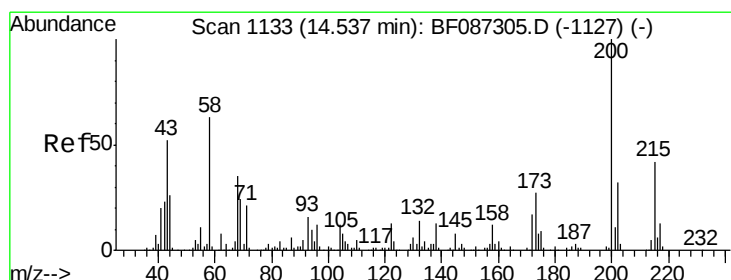
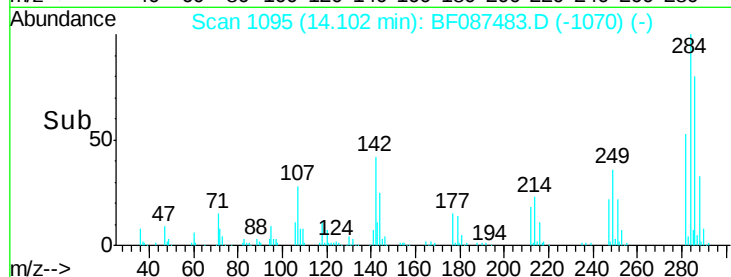
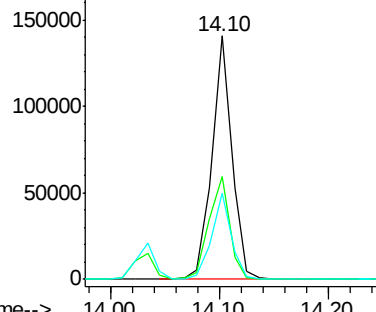
Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	42.1	16.7	25.1#
249	35.6	21.3	31.9#

Manual Integrations
APPROVED

umangi
5/31/2016 7:03:56 PM

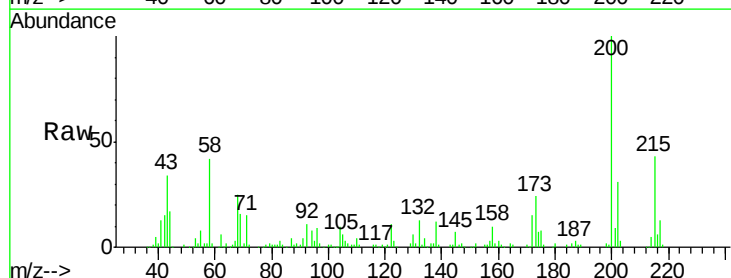


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

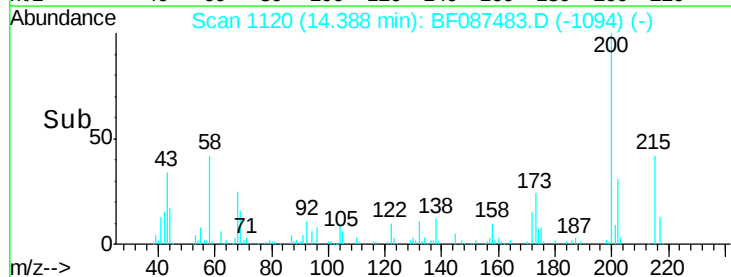
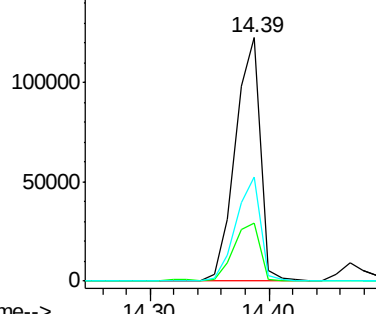


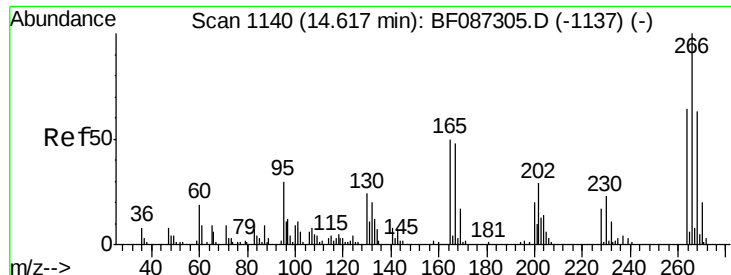
#68
Atrazine
Concen: 39.34 ng
RT: 14.39 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	24.0	8.5	48.5
215	42.6	27.2	67.2



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





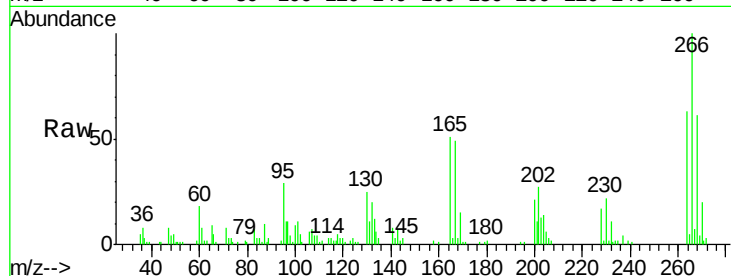
#69
 Pentachlorophenol
 Concen: 61.15 ng
 RT: 14.47 min Scan# 1127
 Delta R.T. -0.00 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

Instrument :
 BNA_F
 ClientSampleId :
 PB90944BS

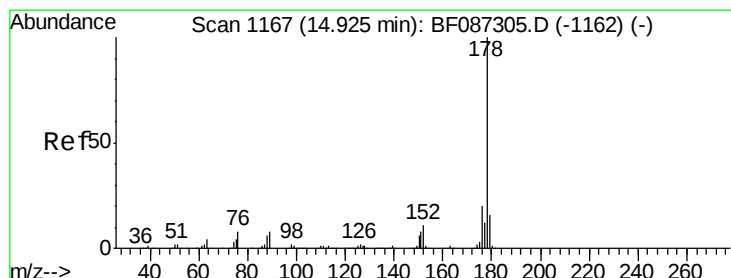
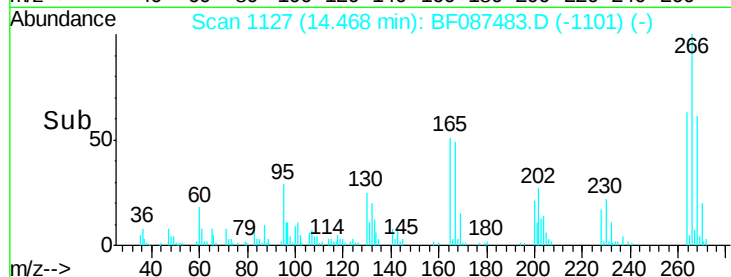
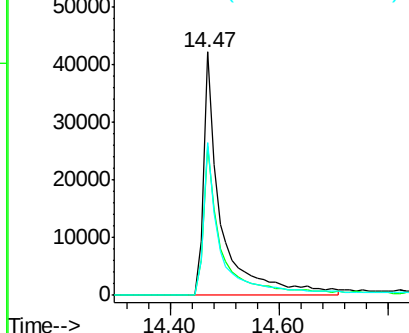
Tgt Ion	Ratio	Resp	Lower	Upper
266	100	94511		
268	61.1	51.5	77.3	
264	62.8	52.9	79.3	

Manual Integrations
 APPROVED

umangi
 5/31/2016 7:03:56 PM

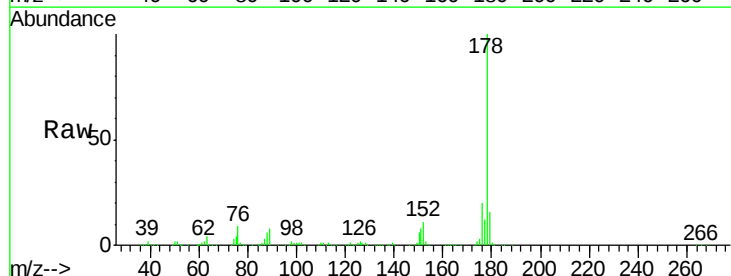


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

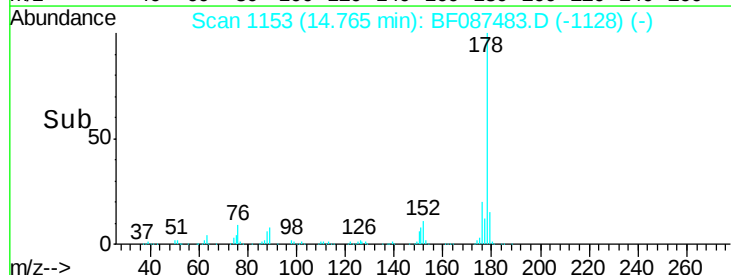
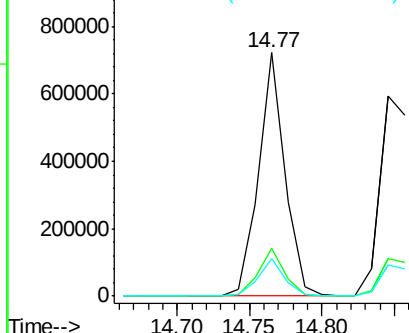


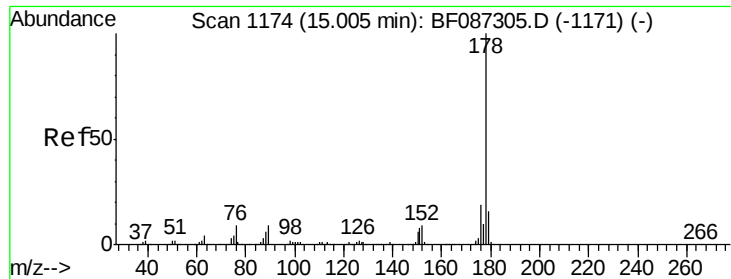
#70
 Phenanthrene
 Concen: 36.67 ng
 RT: 14.77 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	906260		
176	19.8	16.0	24.0	
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





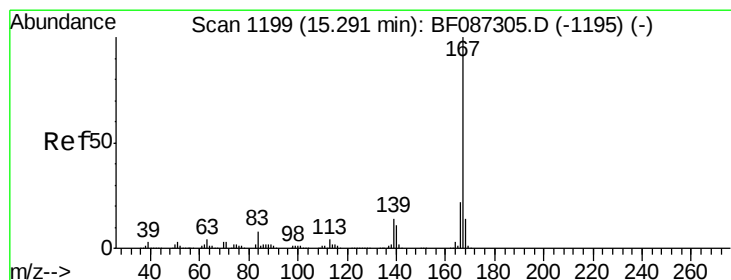
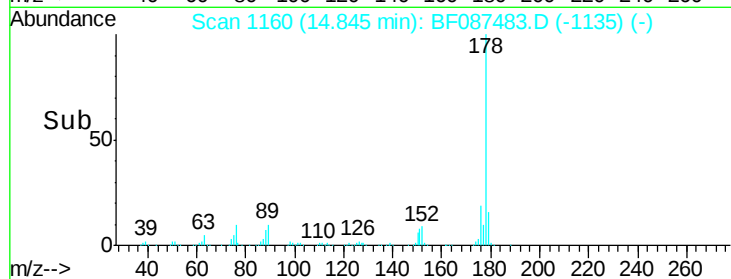
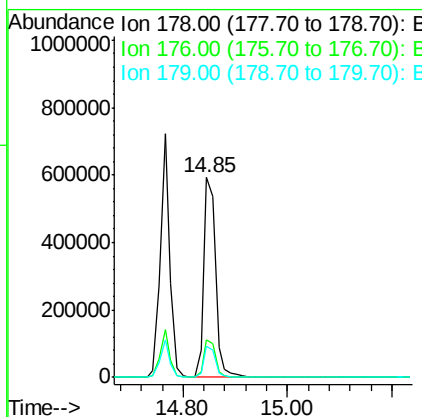
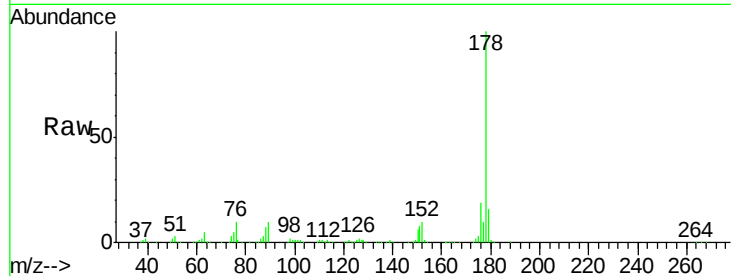
#71
 Anthracene
 Concen: 37.35 ng
 RT: 14.85 min Scan# 1160
 Delta R.T. -0.01 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

Instrument :
 BNA_F
 ClientSampleId :
 PB90944BS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.6	23.4
179	15.8	12.7	19.1

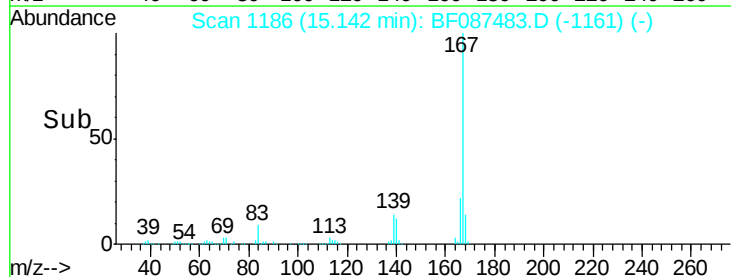
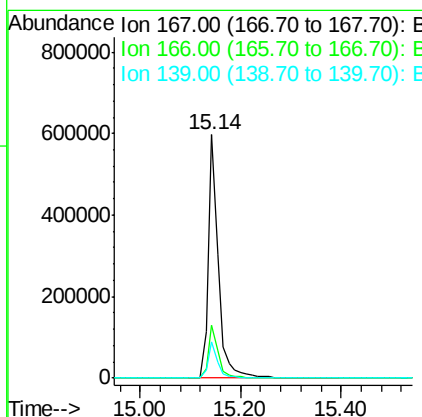
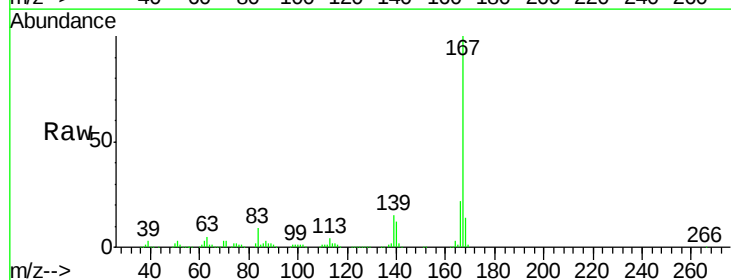
Manual Integrations
 APPROVED

umangi
 5/31/2016 7:03:56 PM



#72
 Carbazole
 Concen: 38.79 ng
 RT: 15.14 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.7	26.5
139	15.1	10.8	16.2





#73

Di-n-butylphthalate

Concen: 36.83 ng

RT: 15.73 min Scan# 1237

Delta R.T. -0.00 min

Lab File: BF087483.D

Acq: 28 May 2016 17:06

Instrument :

BNA_F

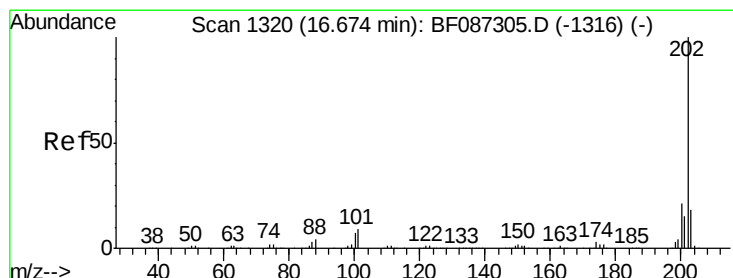
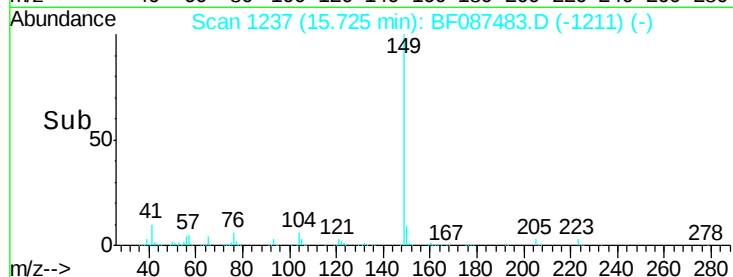
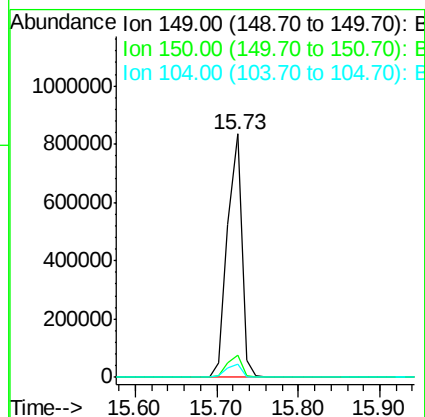
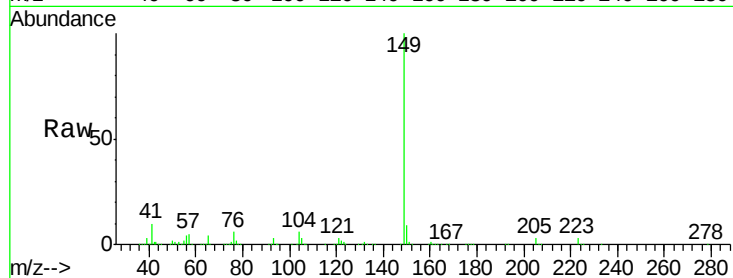
ClientSampleId :

PB90944BS

Tgt Ion:	149	Resp:	1014282
Ion Ratio	Lower	Upper	
149	100		
150	9.2	7.6	11.4
104	5.6	3.8	5.6

Manual Integrations
APPROVED

umangi
5/31/2016 7:03:56 PM



#74

Fluoranthene

Concen: 37.77 ng

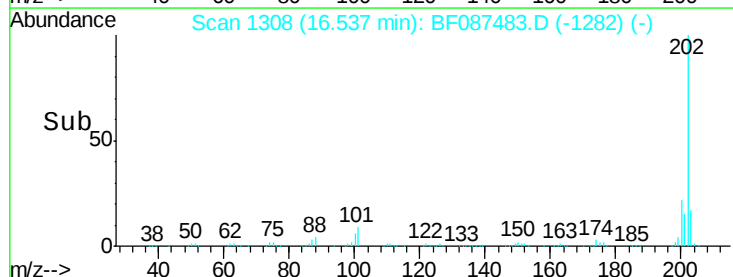
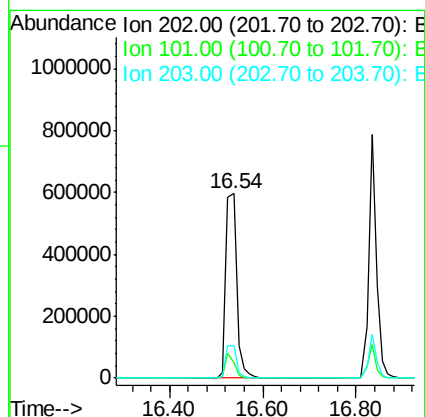
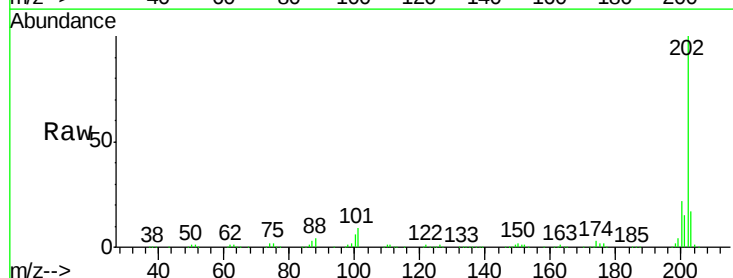
RT: 16.54 min Scan# 1308

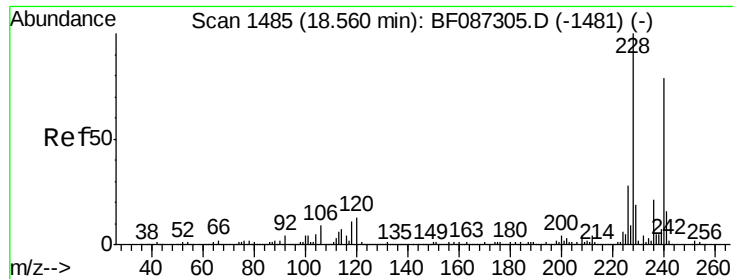
Delta R.T. -0.00 min

Lab File: BF087483.D

Acq: 28 May 2016 17:06

Tgt Ion:	202	Resp:	936047
Ion Ratio	Lower	Upper	
202	100		
101	8.5	0.0	35.4
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.43 min Scan# 1474

Delta R.T. -0.00 min

Lab File: BF087483.D

Acq: 28 May 2016 17:06

Instrument :

BNA_F

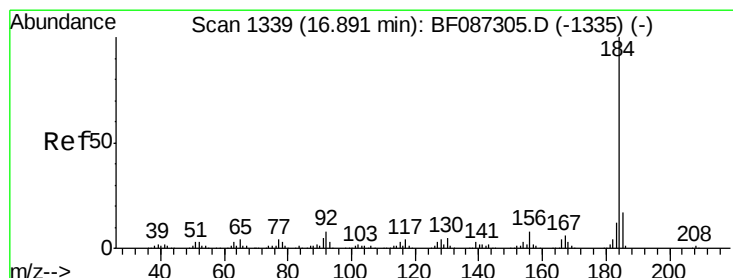
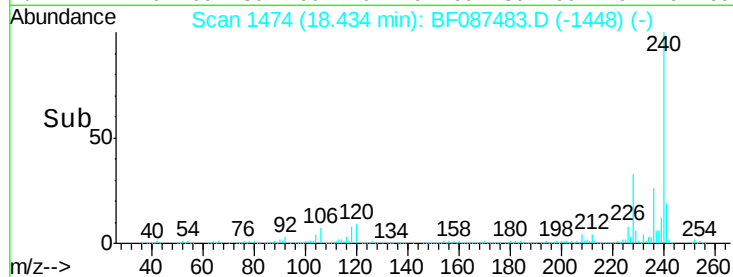
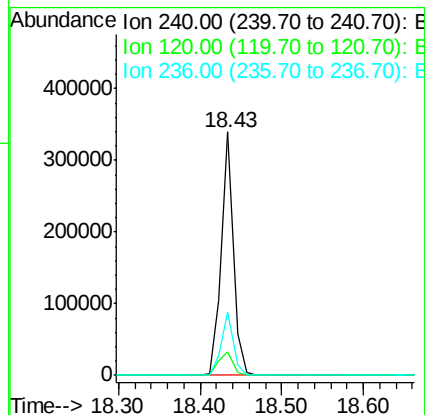
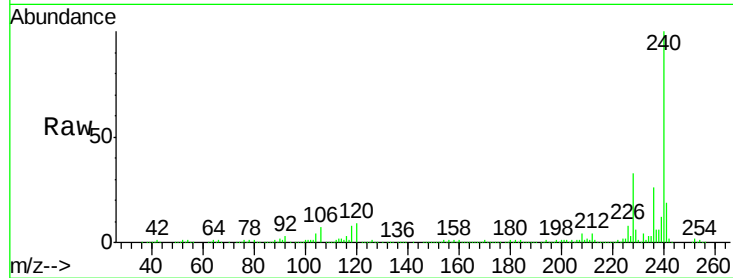
ClientSampleId :

PB90944BS

Tgt Ion:	240	Resp:	352393
Ion Ratio	Lower	Upper	
240	100		
120	9.5	11.2	16.8#
236	25.9	21.2	31.8

Manual Integrations
APPROVED

umangi
5/31/2016 7:03:56 PM



#76

Benzidine

Concen: 34.22 ng

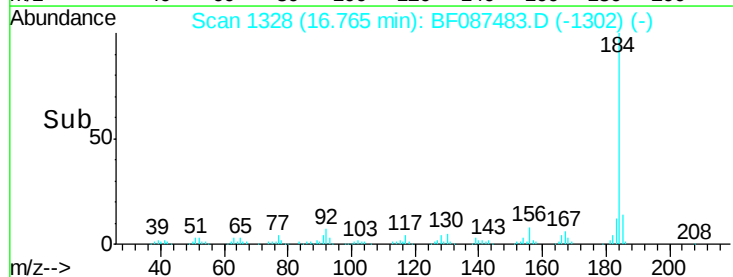
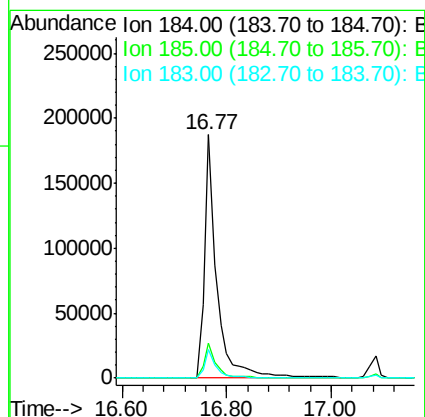
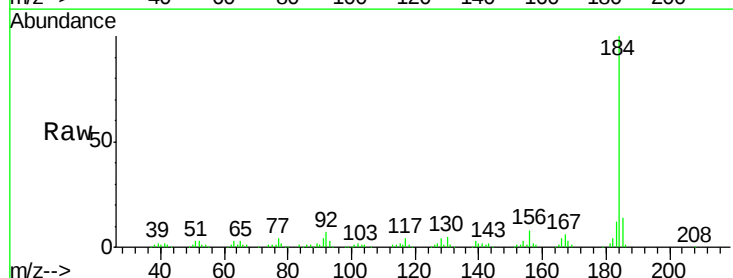
RT: 16.77 min Scan# 1328

Delta R.T. -0.00 min

Lab File: BF087483.D

Acq: 28 May 2016 17:06

Tgt Ion:	184	Resp:	310320
Ion Ratio	Lower	Upper	
184	100		
185	14.3	13.6	20.4
183	11.7	9.8	14.6





#77

Pyrene

Concen: 36.03 ng

RT: 16.83 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF087483.D

Acq: 28 May 2016 17:06

Instrument :

BNA_F

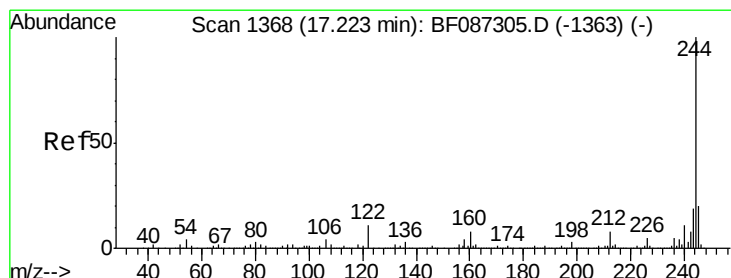
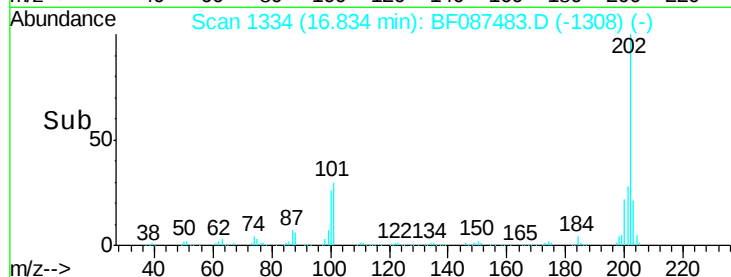
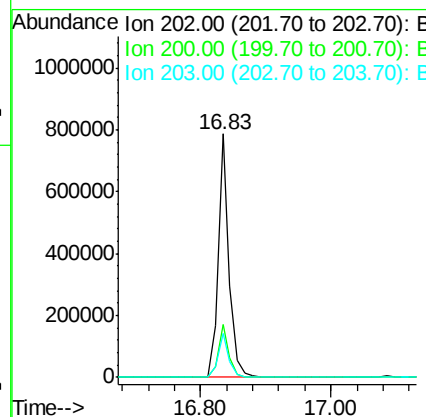
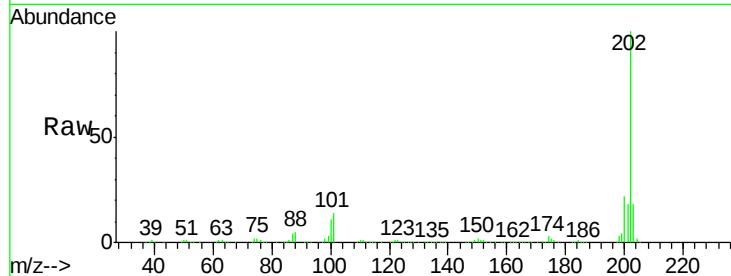
ClientSampleId :

PB90944BS

Tgt Ion:	202	Resp:	914047
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.7	26.5
203	18.3	14.2	21.4

Manual Integrations
APPROVED

umangi
5/31/2016 7:03:56 PM



#78

Terphenyl-d14

Concen: 69.82 ng

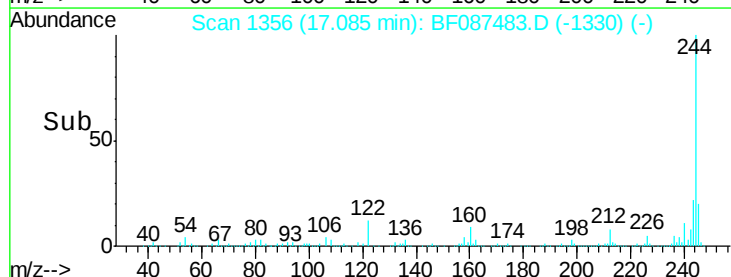
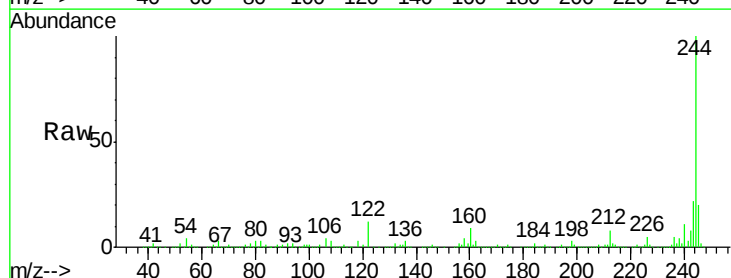
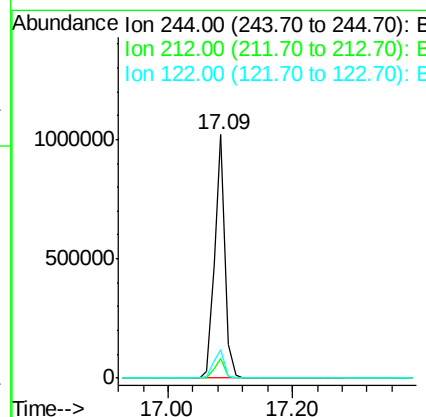
RT: 17.09 min Scan# 1356

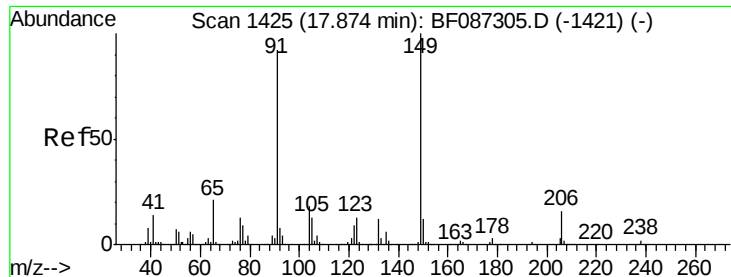
Delta R.T. -0.00 min

Lab File: BF087483.D

Acq: 28 May 2016 17:06

Tgt Ion:	244	Resp:	1157295
Ion Ratio	Lower	Upper	
244	100		
212	7.8	6.2	9.2
122	11.8	12.0	18.0#





#79

Butylbenzylphthalate

Concen: 36.32 ng

RT: 17.75 min Scan# 1414

Delta R.T. -0.00 min

Lab File: BF087483.D

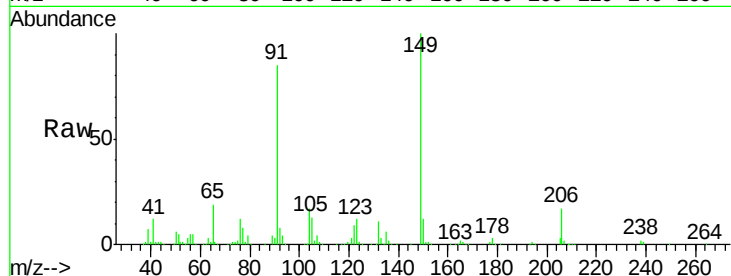
Acq: 28 May 2016 17:06

Instrument :

BNA_F

ClientSampleId :

PB90944BS



Tgt Ion:149 Resp: 408577

Ion Ratio Lower Upper

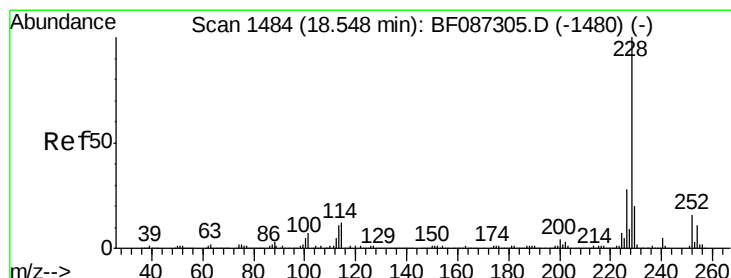
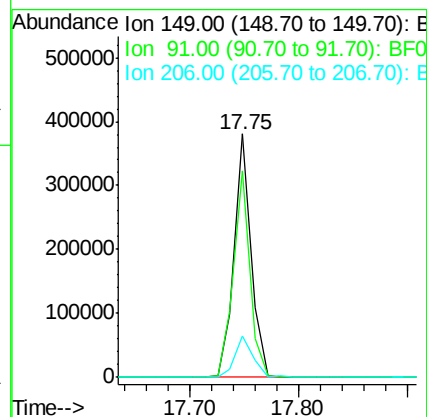
149 100

91 84.8 48.0 72.0#

206 17.1 15.8 23.6

Manual Integrations
APPROVED

umangi
5/31/2016 7:03:56 PM



#80

Benzo(a)anthracene

Concen: 37.52 ng

RT: 18.42 min Scan# 1473

Delta R.T. -0.00 min

Lab File: BF087483.D

Acq: 28 May 2016 17:06

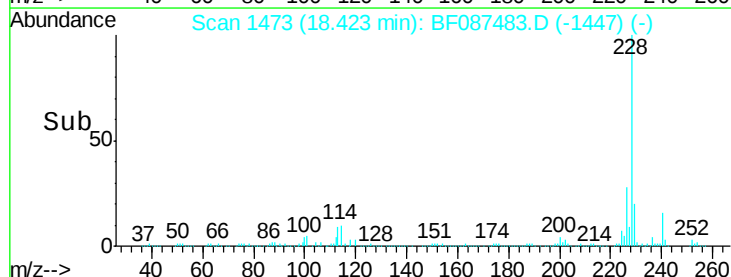
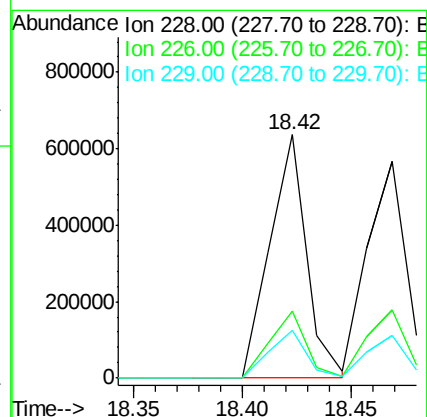
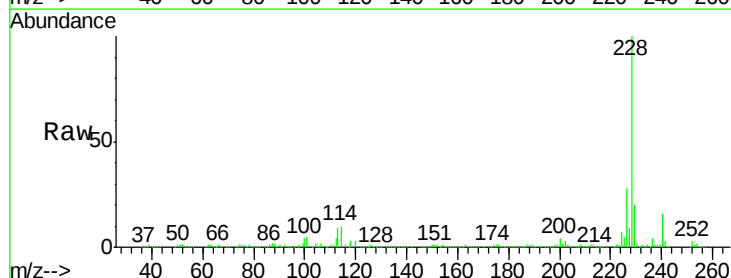
Tgt Ion:228 Resp: 752002

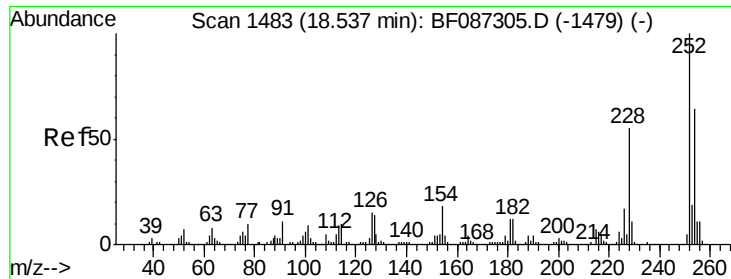
Ion Ratio Lower Upper

228 100

226 27.7 22.5 33.7

229 19.6 16.6 25.0





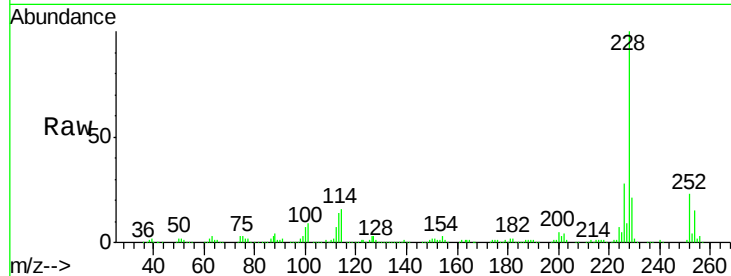
#81
 3,3'-Dichlorobenzidine
 Concen: 10.43 ng
 RT: 18.41 min Scan# 1472
 Delta R.T. -0.00 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

Instrument :
 BNA_F
 ClientSampleId :
 PB90944BS

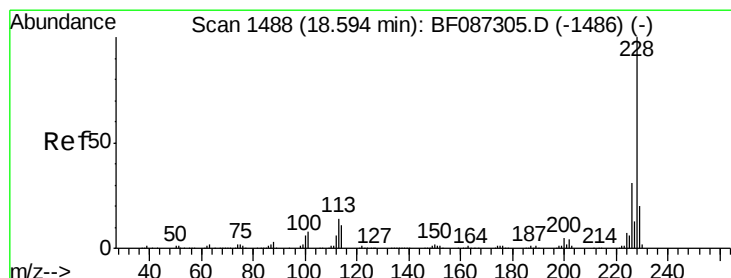
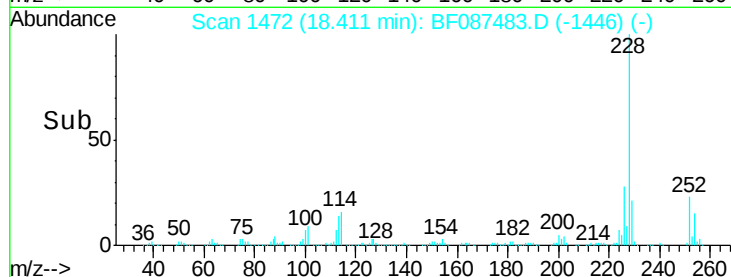
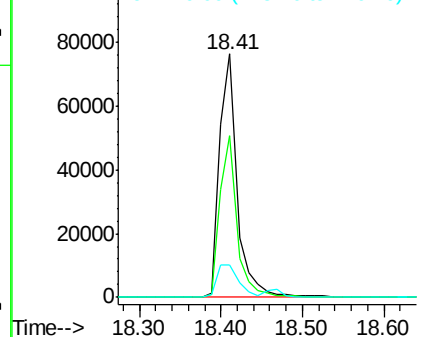
Tgt Ion	Ratio	Resp	Lower	Upper
252	100	115519		
254	66.3	50.7	76.1	
126	13.4	12.7	19.1	

Manual Integrations
 APPROVED

umangi
 5/31/2016 7:03:56 PM

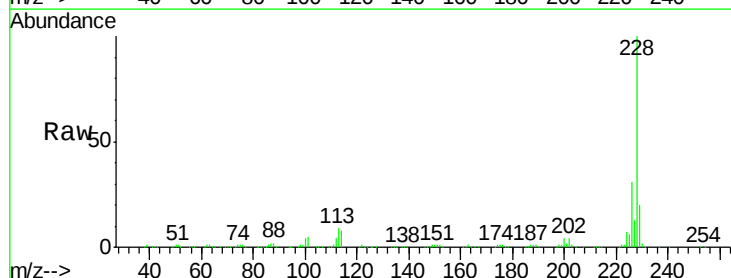


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

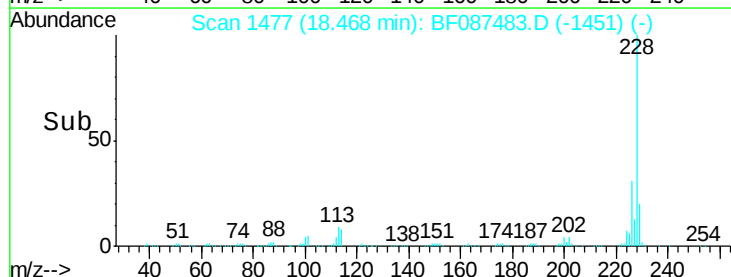
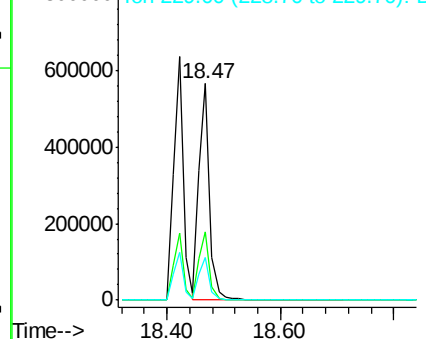


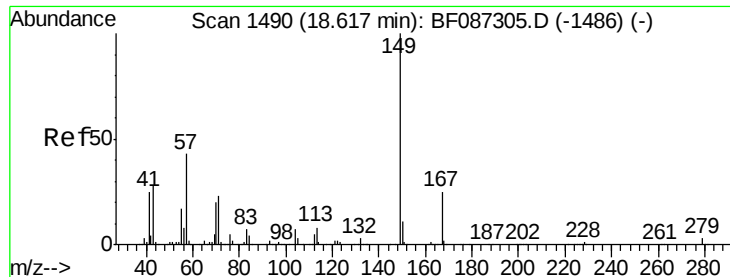
#82
 Chrysene
 Concen: 36.69 ng
 RT: 18.47 min Scan# 1477
 Delta R.T. -0.00 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	729918		
226	31.5	24.4	36.6	
229	19.7	15.8	23.8	



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





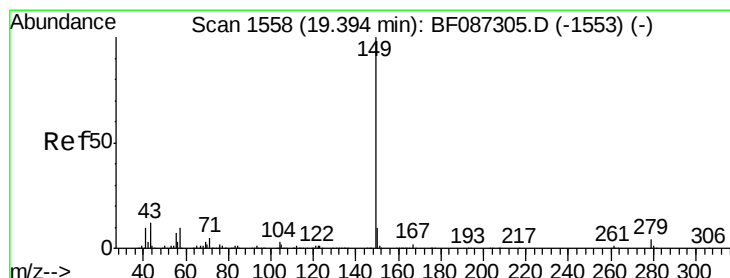
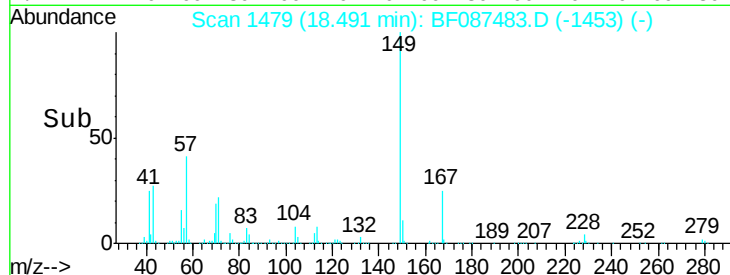
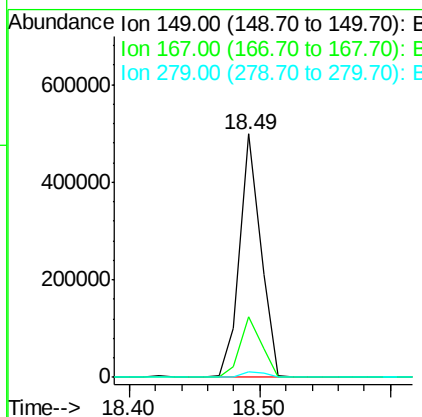
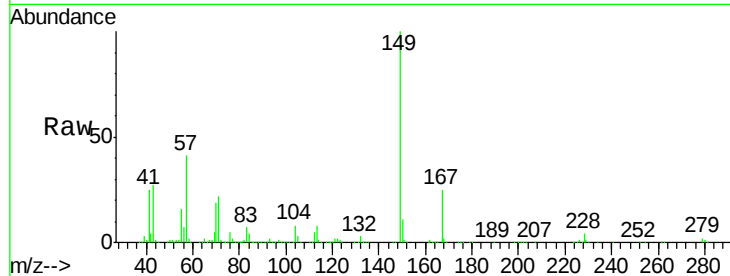
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 34.29 ng
 RT: 18.49 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

Instrument :
 BNA_F
 ClientSampleId :
 PB90944BS

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
167	25.1	21.8	32.6
279	2.5	2.6	4.0#

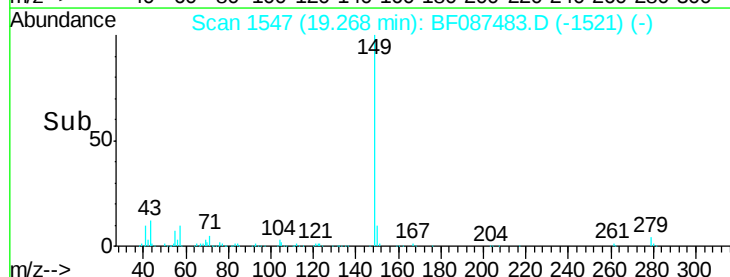
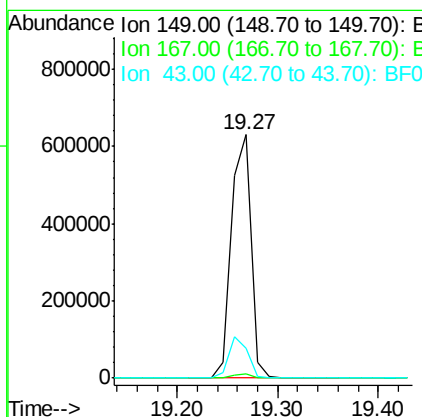
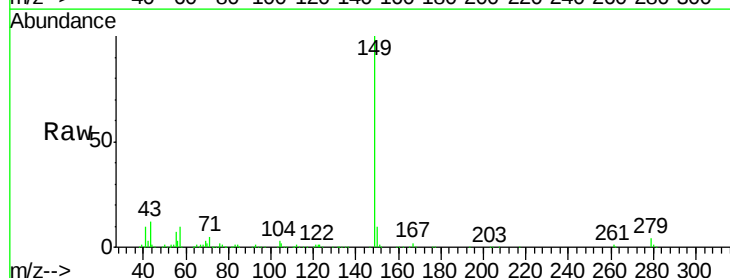
Manual Integrations
 APPROVED

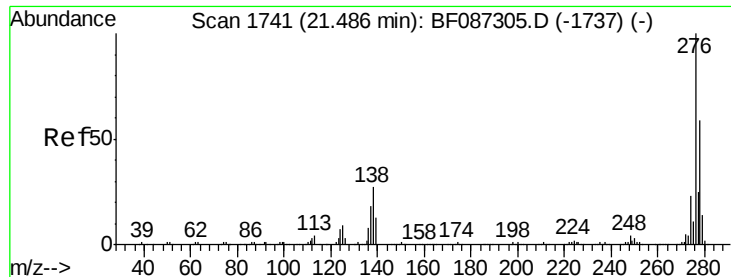
umangi
 5/31/2016 7:03:56 PM



#84
 Di-n-octyl phthalate
 Concen: 34.12 ng
 RT: 19.27 min Scan# 1547
 Delta R.T. -0.00 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
167	1.5	1.2	1.8
43	16.4	8.2	12.4#





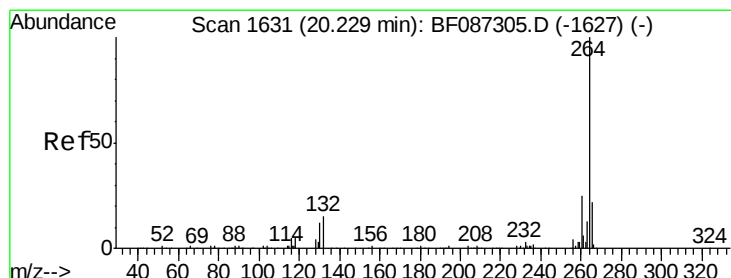
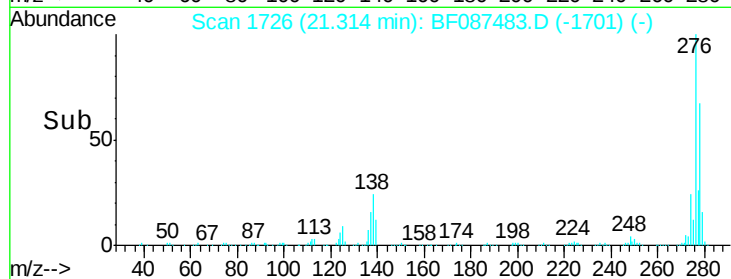
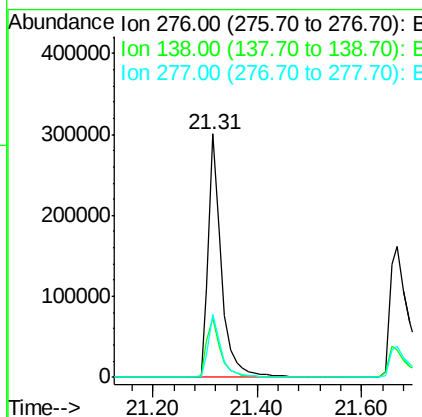
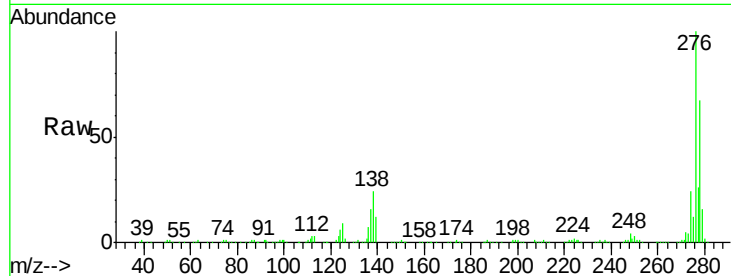
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 32.78 ng
 RT: 21.31 min Scan# 1726
 Delta R.T. -0.01 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

Instrument :
 BNA_F
 ClientSampleId :
 PB90944BS

Tgt Ion:	276	Resp:	522747
Ion Ratio	Lower	Upper	
276	100		
138	26.2	25.6	38.4
277	25.3	20.5	30.7

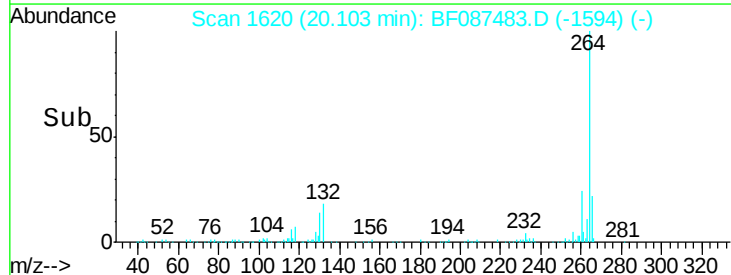
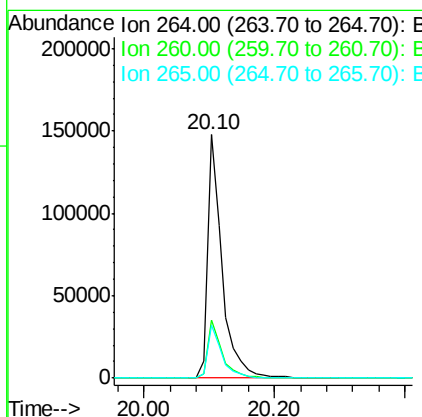
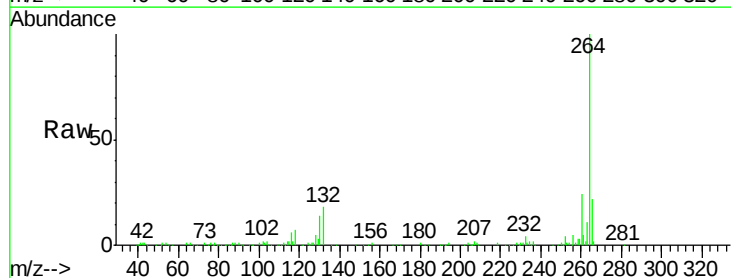
Manual Integrations
 APPROVED

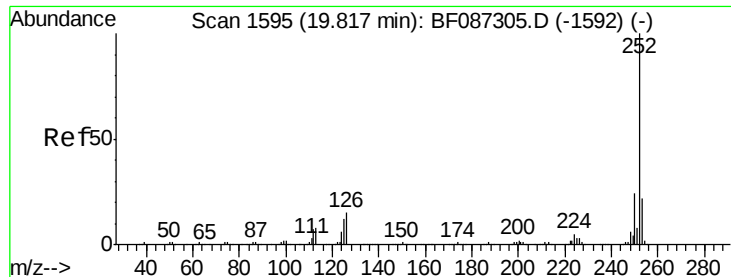
umangi
 5/31/2016 7:03:56 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.10 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

Tgt Ion:	264	Resp:	227616
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.5	29.3
265	21.6	17.3	25.9





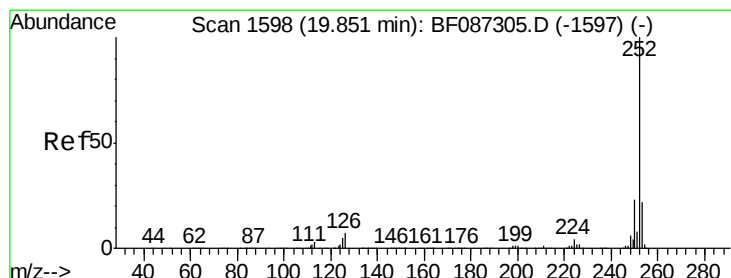
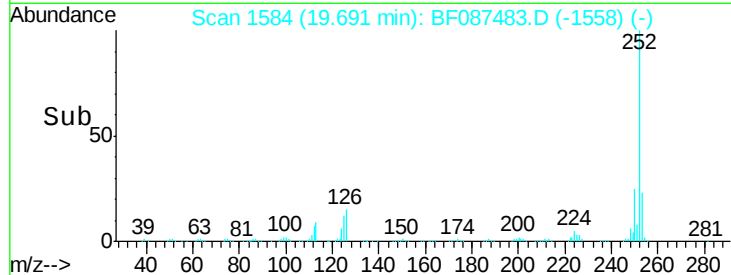
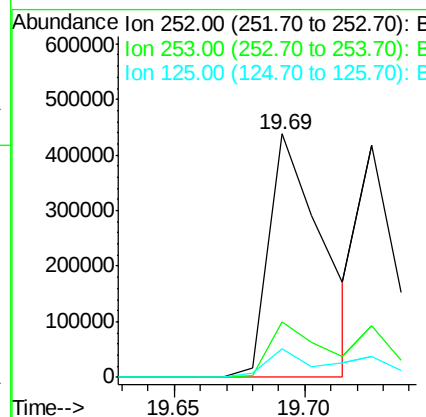
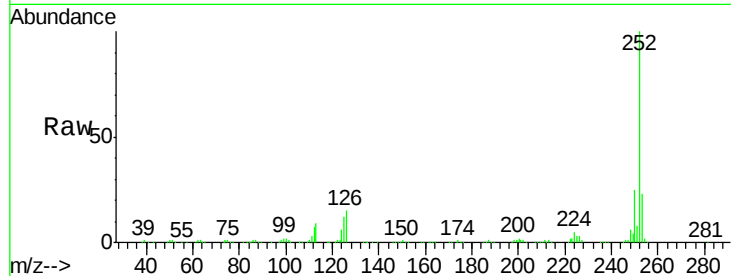
#87
Benzo(b)fluoranthene
Concen: 43.32 ng
RT: 19.69 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Instrument :
BNA_F
ClientSampleId :
PB90944BS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	11.8	11.4	17.0

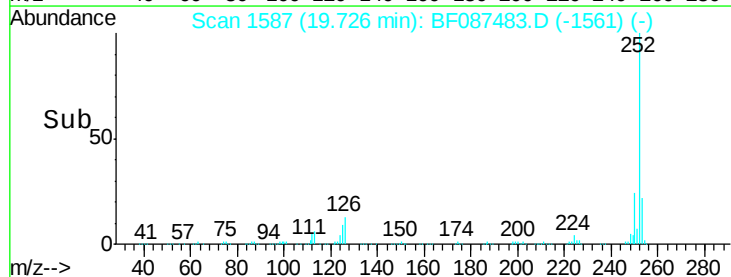
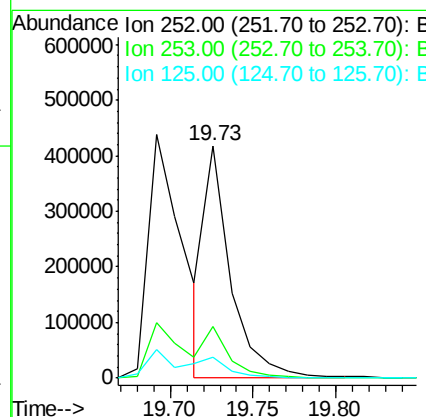
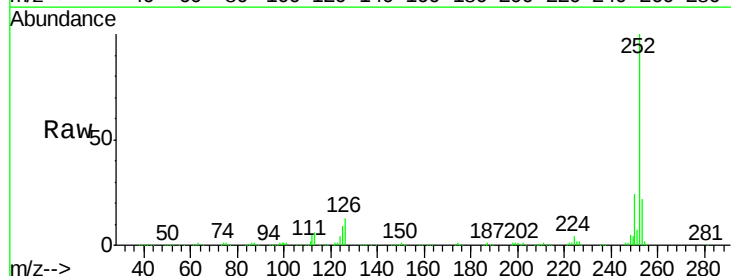
Manual Integrations
APPROVED

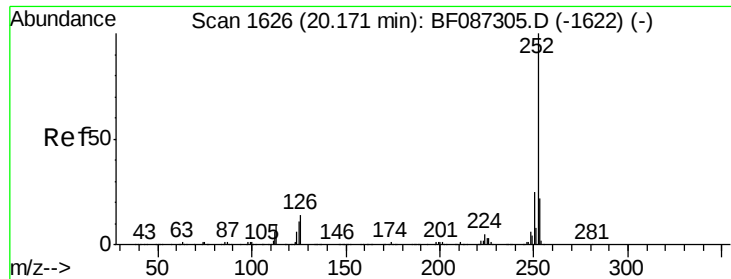
umangi
5/31/2016 7:03:56 PM



#88
Benzo(k)fluoranthene
Concen: 37.28 ng m
RT: 19.73 min Scan# 1587
Delta R.T. -0.00 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	8.9	9.1	13.7#





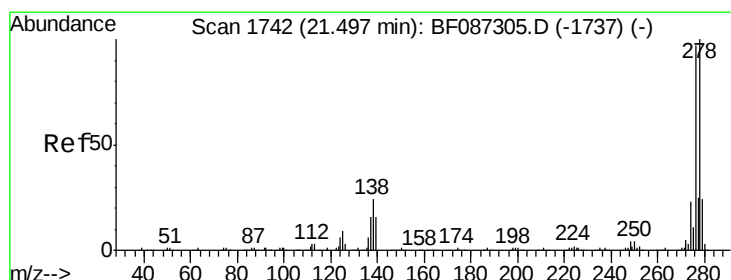
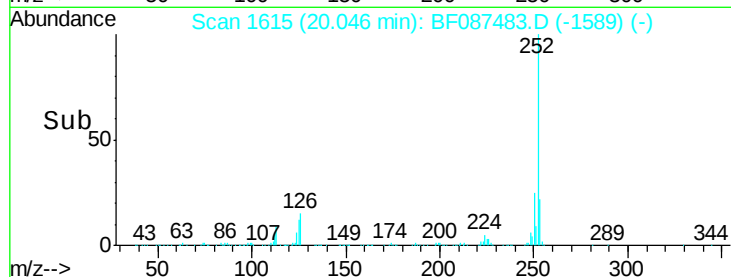
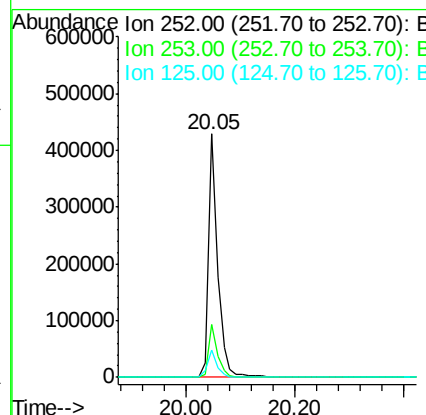
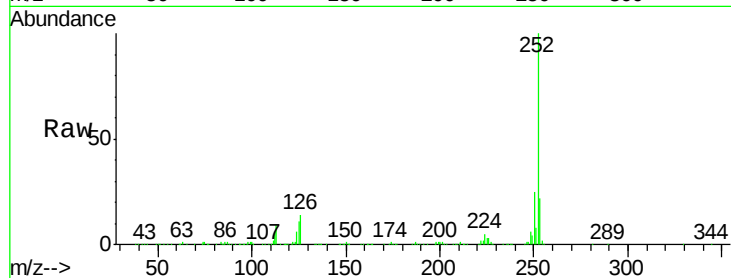
#89
Benzo(a)pyrene
Concen: 40.00 ng
RT: 20.05 min Scan# 1615
Delta R.T. -0.00 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Instrument :
BNA_F
ClientSampleId :
PB90944BS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.2	25.8
125	11.2	9.0	13.6

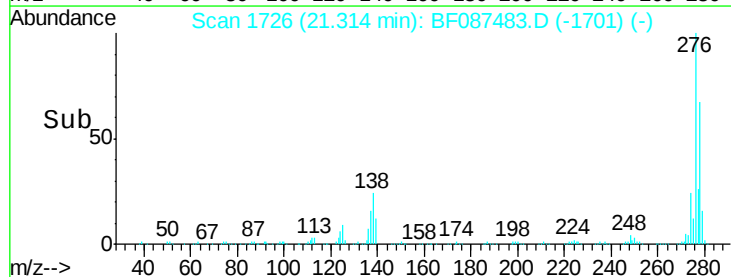
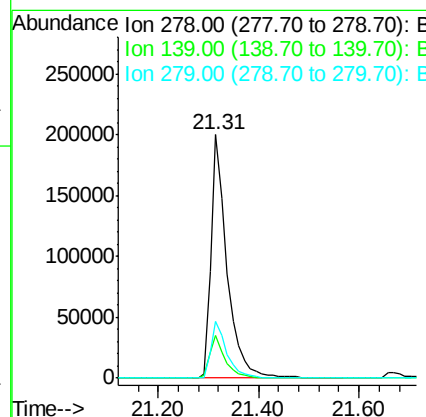
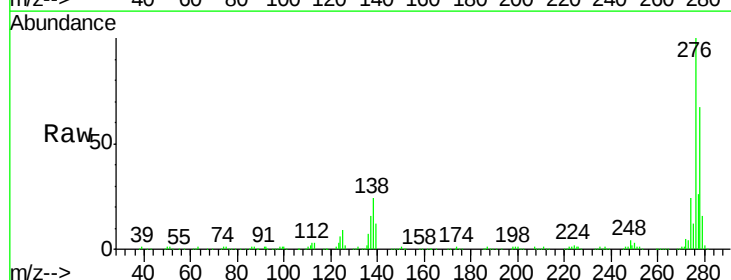
Manual Integrations
APPROVED

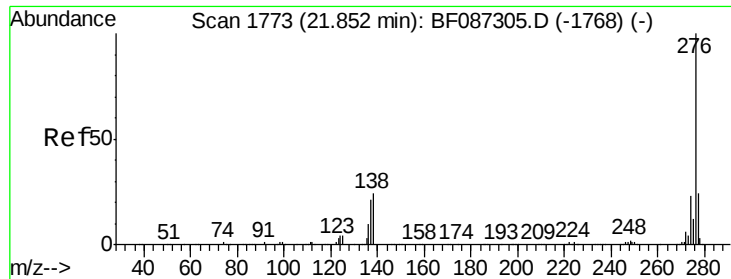
umangi
5/31/2016 7:03:56 PM



#90
Dibenzo(a,h)anthracene
Concen: 41.22 ng
RT: 21.31 min Scan# 1726
Delta R.T. -0.01 min
Lab File: BF087483.D
Acq: 28 May 2016 17:06

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.4	16.6	24.8
279	23.4	19.6	29.4





#91
 Benzo(g,h,i)perylene
 Concen: 42.14 ng
 RT: 21.67 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: BF087483.D
 Acq: 28 May 2016 17:06

Instrument :
 BNA_F
 ClientSampleId :
 PB90944BS

Tgt Ion:	276	Resp:	444732
Ion Ratio		Lower	Upper
276	100		
277	24.2	19.6	29.4
138	20.8	23.6	35.4

Manual Integrations
 APPROVED

umangi
 5/31/2016 7:03:56 PM

