

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
 Data File : BF084198.D
 Acq On : 31 Dec 2015 16:48
 Operator : UM/SJ
 Sample : G4825-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Manual Integrations
 APPROVED

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 1/4/2016 4:28:44 PM

Quant Time: Jan 02 03:45:51 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 31 14:15:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	303199	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1248974	20.00	ng	0.00
38) Acenaphthene-d10	9.94	164	557099	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	1071496	20.00	ng	0.00
75) Chrysene-d12	14.07	240	877246	20.00	ng	0.00
86) Perylene-d12	15.51	264	650741	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1796005	95.81	ng	0.01
7) Phenol-d6	6.53	99	2556377	108.59	ng	0.00
23) Nitrobenzene-d5	7.46	82	1555390	69.31	ng	-0.01
41) 2,4,6-Tribromophenol	10.73	330	587432	104.44	ng	-0.01
44) 2-Fluorobiphenyl	9.26	172	2448838	76.71	ng	0.00
78) Terphenyl-d14	13.01	244	2407180	61.25	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.60	88	116051	13.07	ng	# 74
3) Pyridine	3.36	79	325126	13.13	ng	# 73
4) n-Nitrosodimethylamine	3.26	42	171052	13.46	ng	# 80
6) Aniline	6.56	93	319954	9.29	ng	# 81
8) 2-Chlorophenol	6.68	128	335510	15.78	ng	# 91
9) Benzaldehyde	6.44	77	252571	16.48	ng	# 95
10) Phenol	6.54	94	286604	10.71	ng	# 76
11) bis(2-Chloroethyl)ether	6.64	93	332049	16.01	ng	# 87
12) 1,3-Dichlorobenzene	6.84	146	330538	15.07	ng	# 98
13) 1,4-Dichlorobenzene	6.92	146	325208m	14.78	ng	# 98
14) 1,2-Dichlorobenzene	7.07	146	315215	14.96	ng	# 98
15) Benzyl Alcohol	7.04	79	299216	15.11	ng	# 92
16) 2,2'-oxybis(1-Chloropropan	7.18	45	561159	14.86	ng	# 84
17) 2-Methylphenol	7.15	107	274310	15.39	ng	# 99
18) Hexachloroethane	7.41	117	123154	14.00	ng	# 94
19) n-Nitroso-di-n-propylamine	7.31	70	227558	14.28	ng	# 67
20) 3+4-Methylphenols	7.30	107	323507	15.44	ng	# 71
22) Acetophenone	7.31	105	455131	15.15	ng	# 98
24) Nitrobenzene	7.48	77	364896	16.03	ng	# 99
25) Isophorone	7.72	82	641619	14.95	ng	# 98
26) 2-Nitrophenol	7.80	139	152984	14.77	ng	# 95
27) 2,4-Dimethylphenol	7.84	122	310372	14.80	ng	# 96
28) bis(2-Chloroethoxy)methane	7.94	93	407712	15.55	ng	# 99
29) 2,4-Dichlorophenol	8.04	162	265006	15.17	ng	# 94
30) 1,2,4-Trichlorobenzene	8.12	180	269726	14.96	ng	# 95
31) Naphthalene	8.20	128	873009	15.41	ng	# 98
32) Benzoic acid	7.90	122	115427	13.69	ng	# 92
33) 4-Chloroaniline	8.26	127	230652	8.88	ng	# 89
34) Hexachlorobutadiene	8.33	225	146657	14.15	ng	# 98
35) Caprolactam	8.60	113	87029	14.78	ng	# 74
36) 4-Chloro-3-methylphenol	8.73	107	281663	14.40	ng	# 89
37) 2-Methylnaphthalene	8.90	142	617604	15.18	ng	# 98
39) 1,2,4,5-Tetrachlorobenzene	9.07	216	236421	14.76	ng	# 98
40) Hexachlorocyclopentadiene	9.06	237	149578	15.47	ng	# 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	9.17	196	183365	15.30	nq	96
43) 2,4,5-Trichlorophenol	9.21	196	164970	14.36	nq #	79
45) 1,1'-Biphenyl	9.37	154	746455	16.86	nq	95
46) 2-Chloronaphthalene	9.39	162	572266	16.45	nq #	89
47) 2-Nitroaniline	9.48	65	180679	15.74	nq #	77
48) Acenaphthylene	9.80	152	896964	17.46	nq	98
49) Dimethylphthalate	9.66	163	701859	17.62	nq #	91
50) 2,6-Dinitrotoluene	9.72	165	148133	16.96	nq #	70
51) Acenaphthene	9.97	154	567268	16.46	nq	97
52) 3-Nitroaniline	9.88	138	114542	10.58	nq	90
53) 2,4-Dinitrophenol	9.98	184	29034	11.01	nq #	1
54) Dibenzofuran	10.14	168	796478	15.92	nq	95
55) 4-Nitrophenol	10.04	139	113597	14.46	nq	87
56) 2,4-Dinitrotoluene	10.12	165	197056	17.82	nq	88
57) Fluorene	10.49	166	604127	15.97	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.26	232	151959	15.49	nq	97
59) Diethylphthalate	10.36	149	626364	15.95	nq	97
60) 4-Chlorophenyl-phenylether	10.49	204	279100	13.65	nq	90
61) 4-Nitroaniline	10.50	138	146671	15.20	nq	84
62) Azobenzene	10.65	77	700159	16.26	nq	93
64) 4,6-Dinitro-2-methylphenol	10.52	198	61271	13.38	nq #	46
65) n-Nitrosodiphenylamine	10.60	169	550987	16.08	nq	98
66) 4-Bromophenyl-phenylether	10.97	248	173133	15.01	nq #	66
67) Hexachlorobenzene	11.04	284	205384	15.82	nq	99
68) Atrazine	11.13	200	202413	18.05	nq	97
69) Pentachlorophenol	11.23	266	80310	11.93	nq	99
70) Phenanthrene	11.45	178	956817	17.07	nq	98
71) Anthracene	11.50	178	935121	17.02	nq	98
72) Carbazole	11.65	167	882622	16.43	nq	100
73) Di-n-butylphthalate	12.00	149	1030307	13.81	nq	100
74) Fluoranthene	12.64	202	987657	16.87	nq	95
76) Benzidine	12.75	184	255066	8.11	nq	96
77) Pyrene	12.87	202	1008997	14.66	nq	99
79) Butylbenzylphthalate	13.49	149	423760	14.23	nq #	81
80) Benzo(a)anthracene	14.05	228	771020	14.97	nq	99
81) 3,3'-Dichlorobenzidine	14.01	252	135071	7.51	nq #	91
82) Chrysene	14.09	228	748100	15.11	nq	100
83) Bis(2-ethylhexyl)phthalate	14.05	149	577992	15.36	nq #	97
84) Di-n-octyl phthalate	14.66	149	929528	14.63	nq #	86
85) Indeno(1,2,3-cd)pyrene	16.91	276	525386	13.39	nq	99
87) Benzo(b)fluoranthene	15.08	252	610300m	14.34	nq	
88) Benzo(k)fluoranthene	15.11	252	595910m	17.12	nq	
89) Benzo(a)pyrene	15.44	252	550440	15.24	nq #	98
90) Dibenzo(a,h)anthracene	16.93	278	447469	14.40	nq	97
91) Benzo(g,h,i)perylene	17.33	276	444527	13.82	nq	99

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

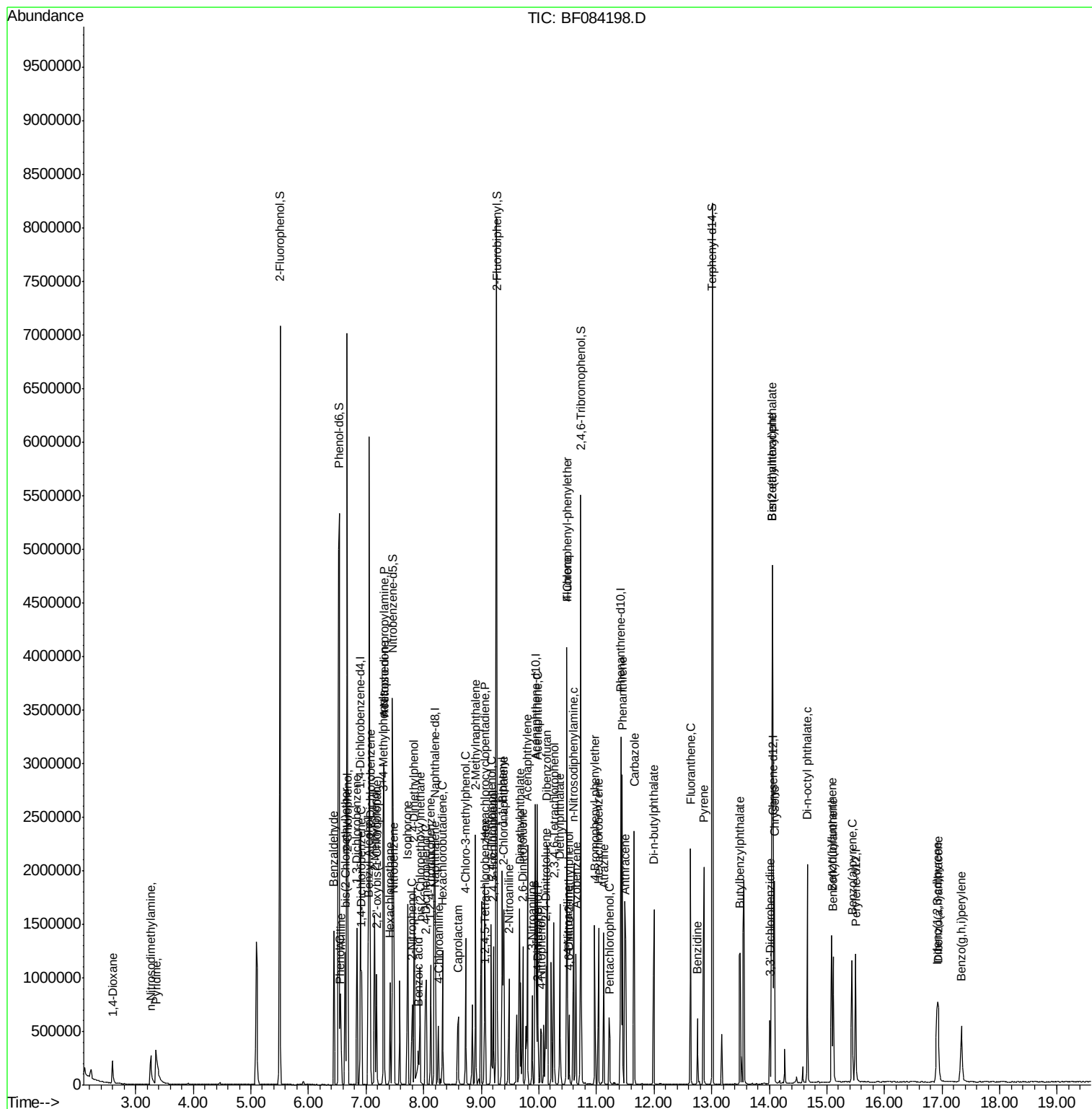
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Sample    : G4825-04  
Misc      :  
ALS Vial  : 17      Sample Multiplier: 1
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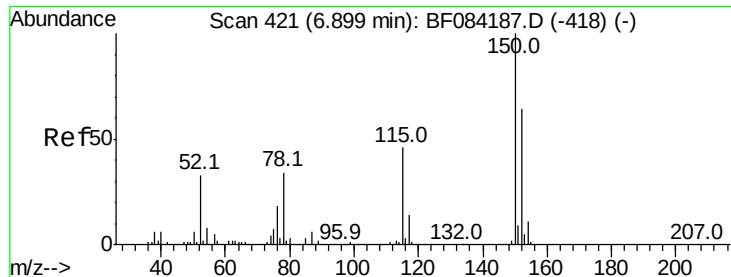
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

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#1

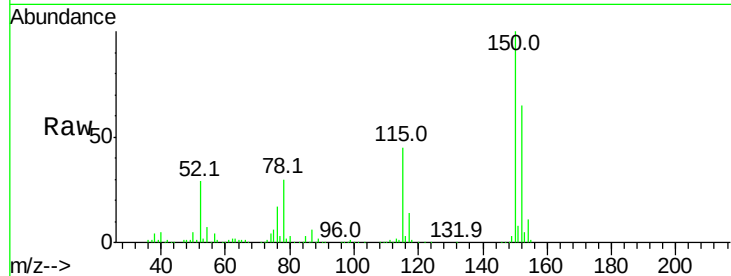
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 421
Delta R.T. 0.00 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

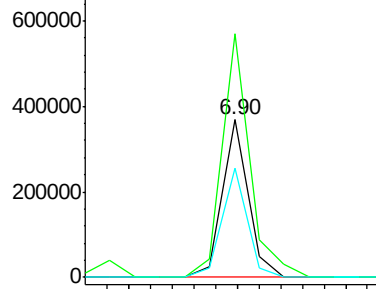
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	123.0	184.4
115	69.7	51.4	77.2

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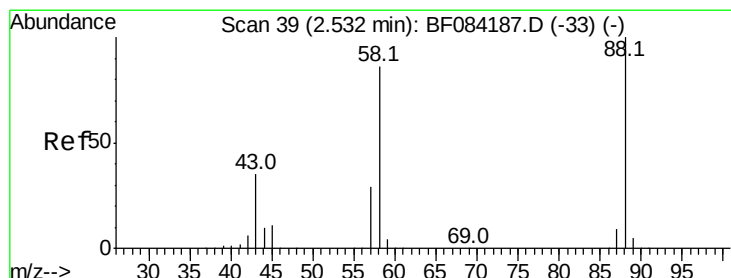
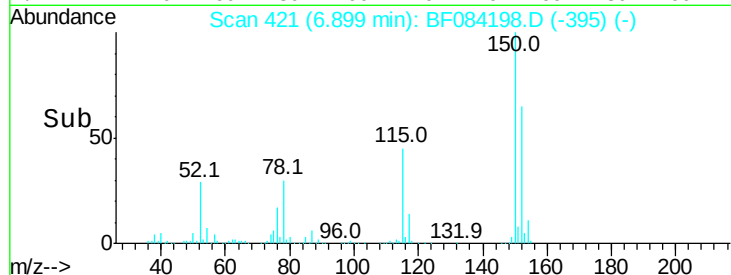
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



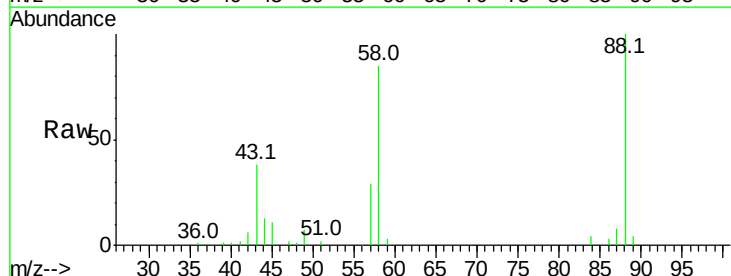
Time-->



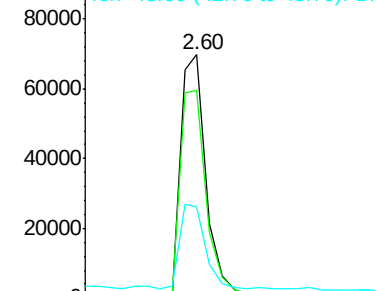
#2

1,4-Dioxane
Concen: 13.07 ng
RT: 2.60 min Scan# 45
Delta R.T. 0.07 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

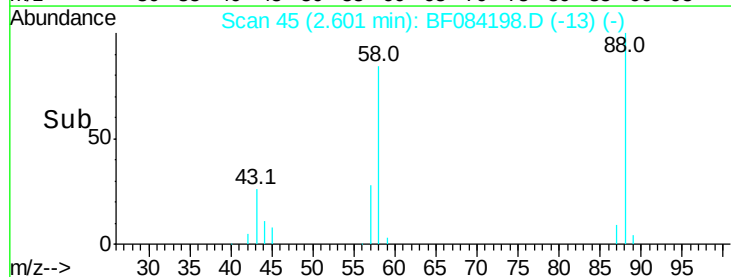
Tgt Ion	Ratio	Lower	Upper
88	100		
58	86.3	51.2	76.8#
43	34.4	19.5	29.3#

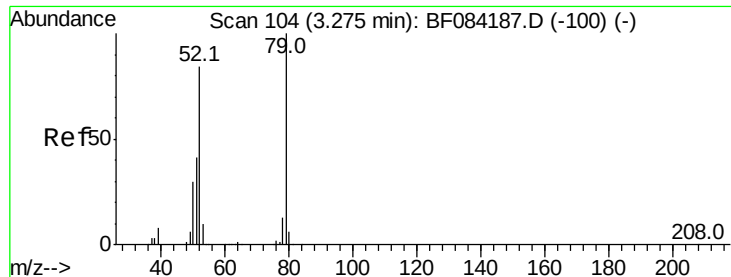


Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0



Time-->





#3

Pvridine

Concen: 13.13 ng

RT: 3.36 min Scan# 111

Delta R.T. 0.08 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

Tot Ion: 79 Resp: 325126

Ion Ratio Lower Upper

79 100

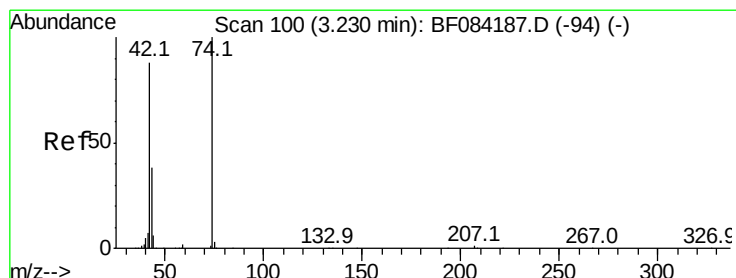
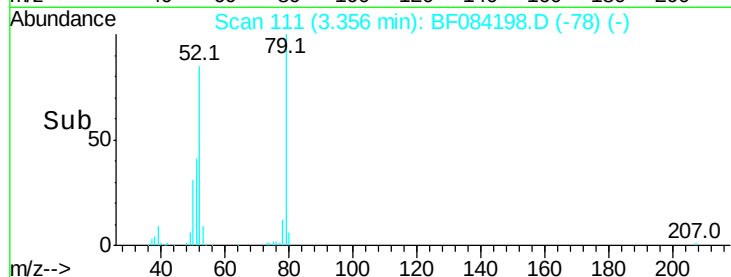
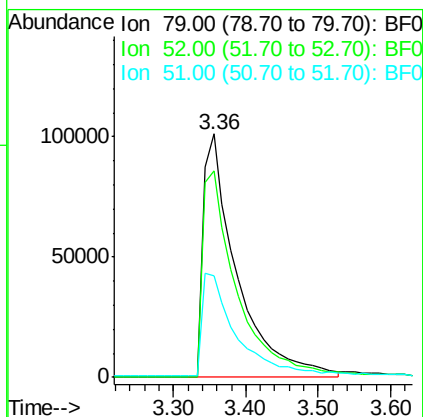
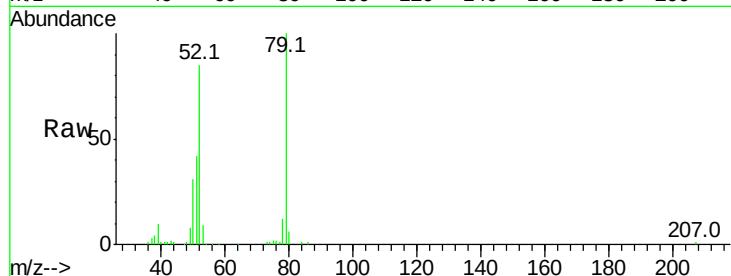
52 84.7 49.0 73.4#

51 41.7 25.2 37.8#

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#4

n-Nitrosodimethylamine

Concen: 13.46 ng

RT: 3.26 min Scan# 103

Delta R.T. 0.03 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

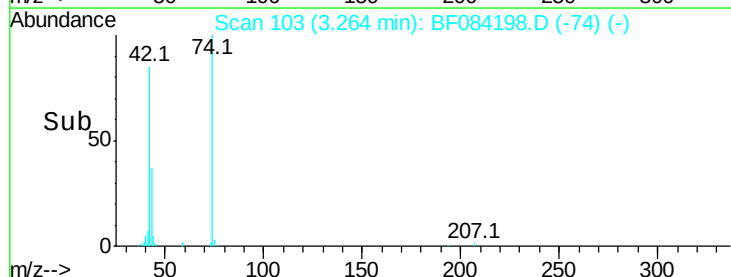
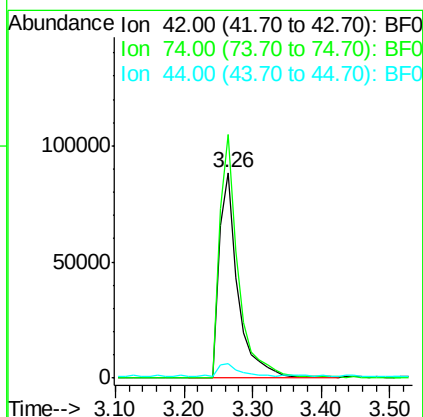
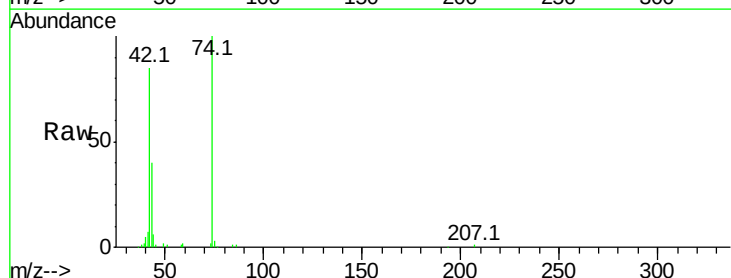
Tgt Ion: 42 Resp: 171052

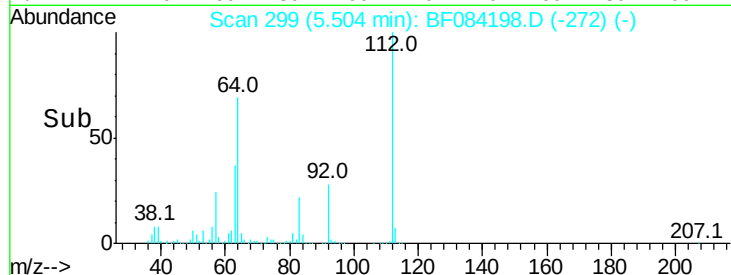
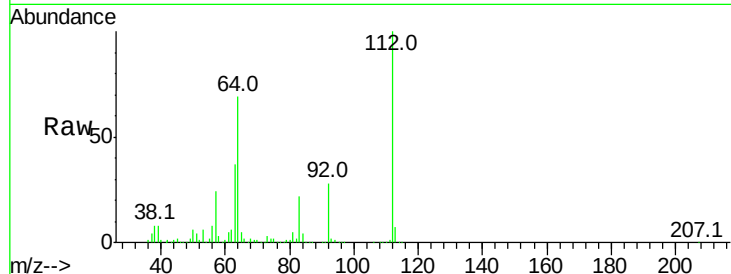
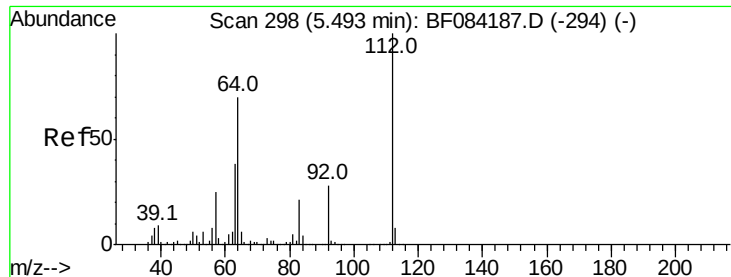
Ion Ratio Lower Upper

42 100

74 118.3 115.7 173.5

44 7.2 5.1 7.7





#5

2-Fluorophenol

Concen: 95.81 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.01 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Tot Ion: 112 Resp: 1796005

Ion Ratio Lower Upper

112 100

64 69.2 36.6 55.0#

63 37.2 19.4 29.0#

Instrument :

BNA_F

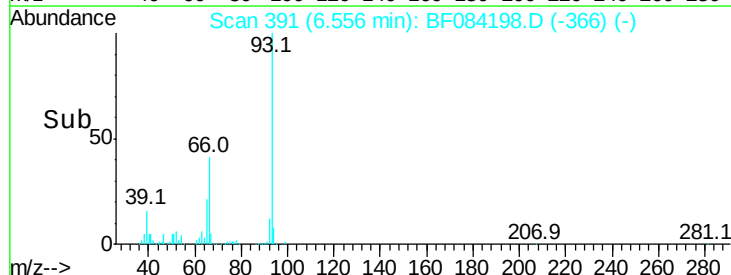
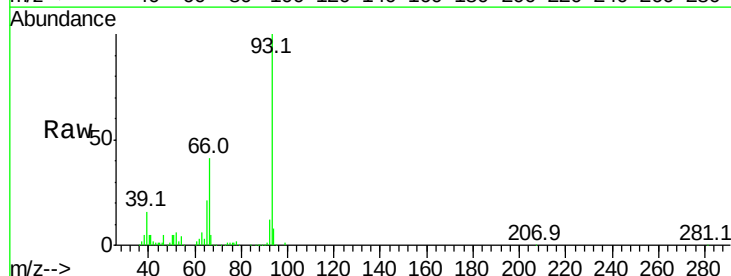
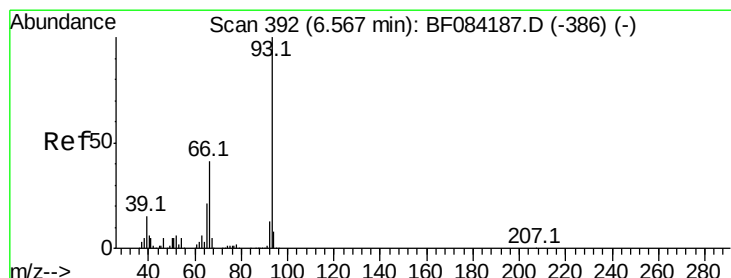
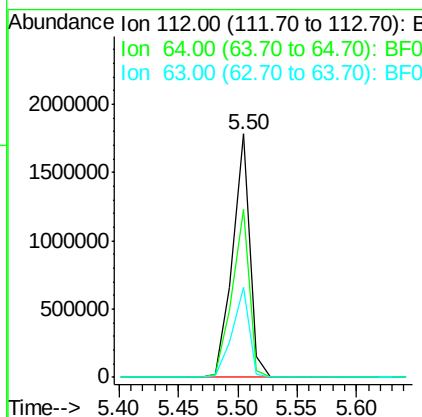
ClientSampleId :

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#6

Aniline

Concen: 9.29 ng

RT: 6.56 min Scan# 391

Delta R.T. -0.01 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

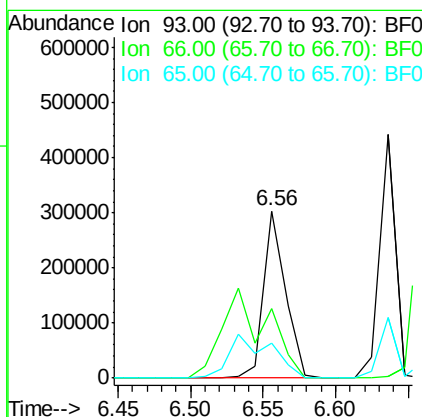
Tgt Ion: 93 Resp: 319954

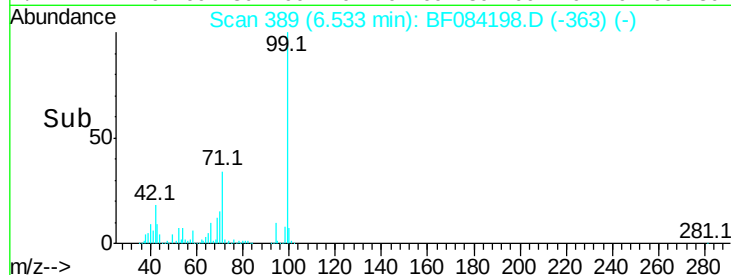
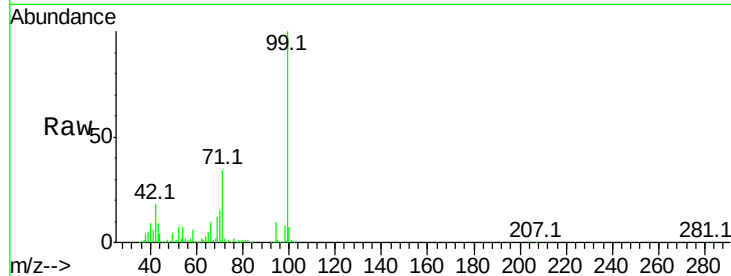
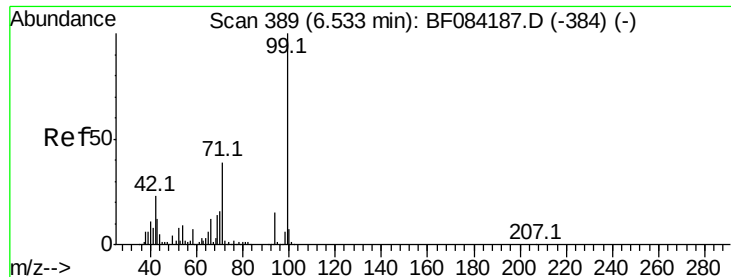
Ion Ratio Lower Upper

93 100

66 41.4 44.9 67.3#

65 21.0 23.7 35.5#





#7

Phenol-d6

Concen: 108.59 ng

RT: 6.53 min Scan# 389

Delta R.T. 0.00 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Tot Ion: 99 Resp: 2556377

Ion Ratio Lower Upper

99 100

42 17.7 12.8 19.2

71 33.6 30.9 46.3

Instrument :

BNA_F

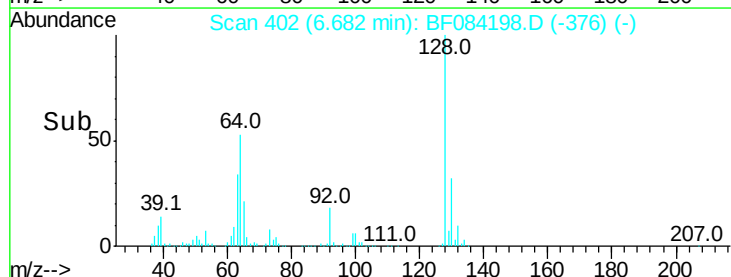
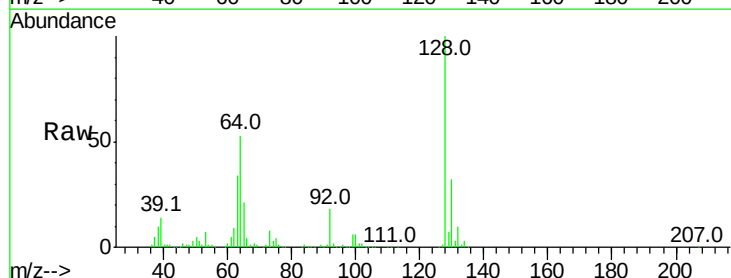
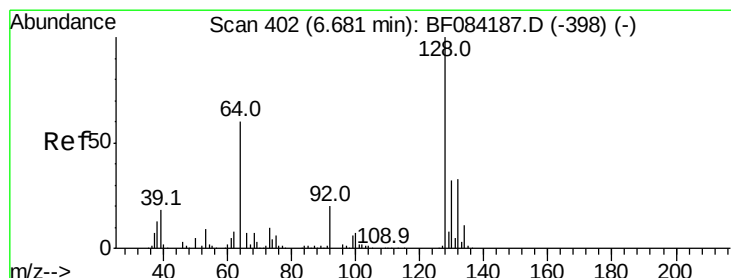
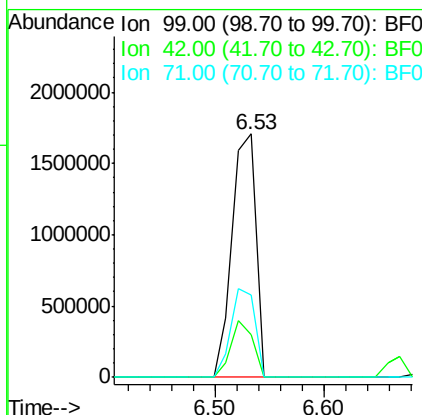
ClientSampleId :

LOQ-SOIL2016-02

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#8

2-Chlorophenol

Concen: 15.78 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.00 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

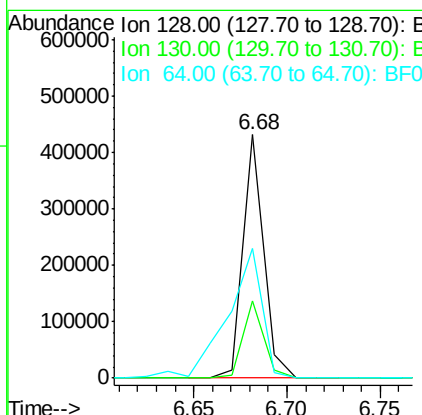
Tgt Ion:128 Resp: 335510

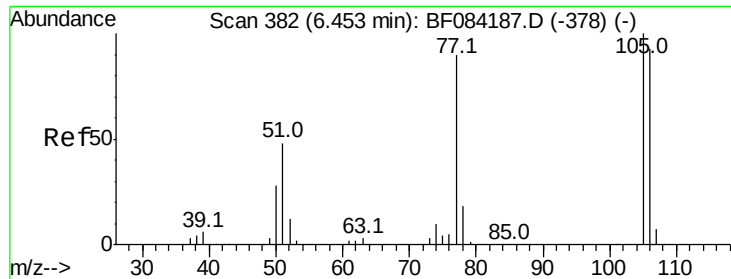
Ion Ratio Lower Upper

128 100

130 31.9 11.6 51.6

64 53.1 23.8 63.8





#9

Benzaldehyde

Concen: 16.48 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.01 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Instrument :

BNA_F

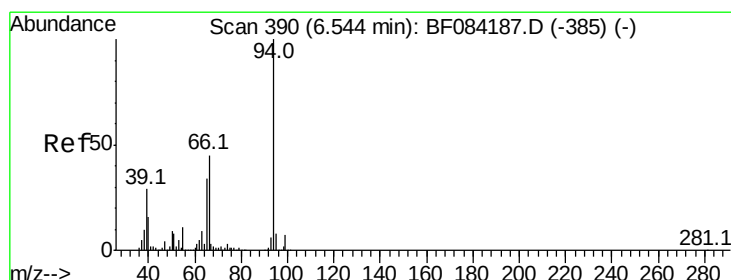
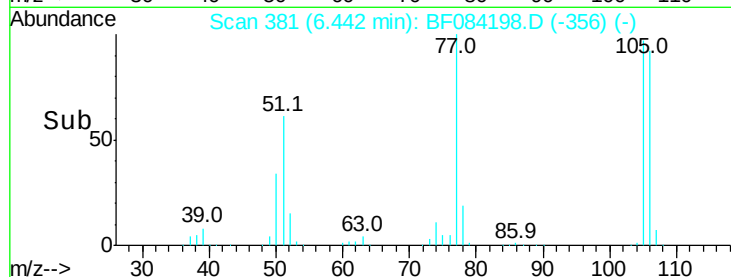
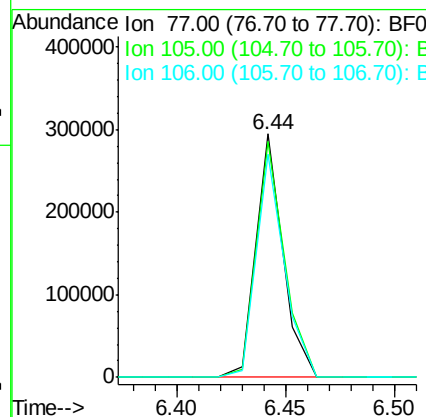
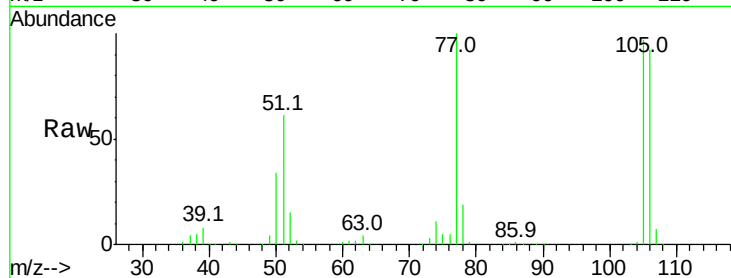
ClientSampleId :

LOQ-SOIL2016-02

Tot Ion:	77	Resp:	252571
Ion Ratio	Lower	Upper	
77	100		
105	97.0	83.0	123.0
106	91.6	74.6	114.6

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#10

Phenol

Concen: 10.71 ng

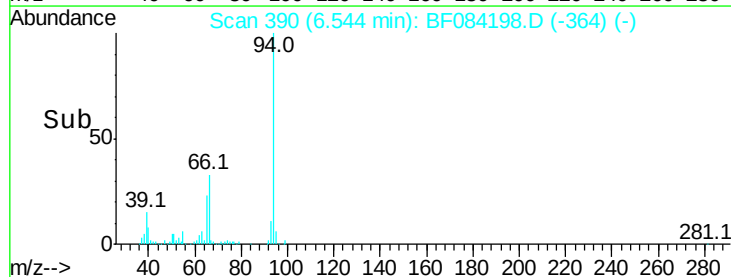
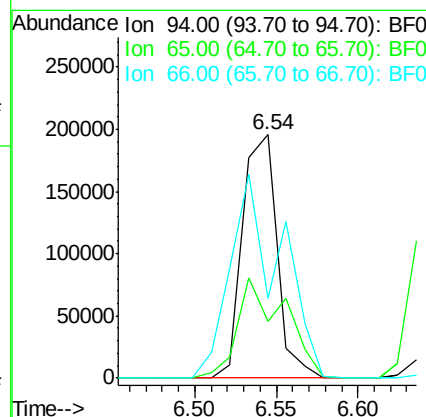
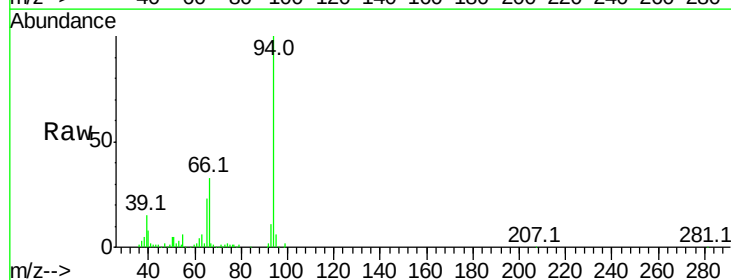
RT: 6.54 min Scan# 390

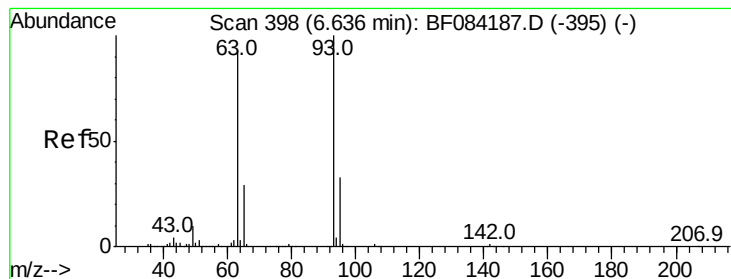
Delta R.T. 0.00 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Tgt Ion:	94	Resp:	286604
Ion Ratio	Lower	Upper	
94	100		
65	23.1	12.9	52.9
66	32.8	32.7	72.7





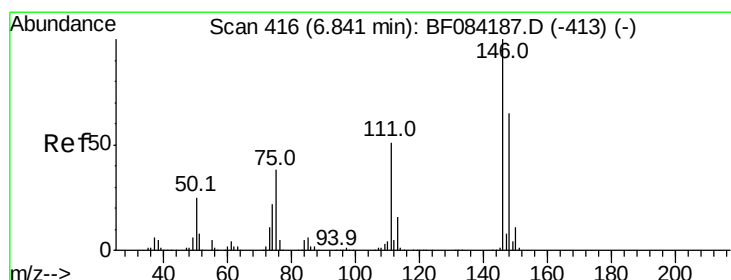
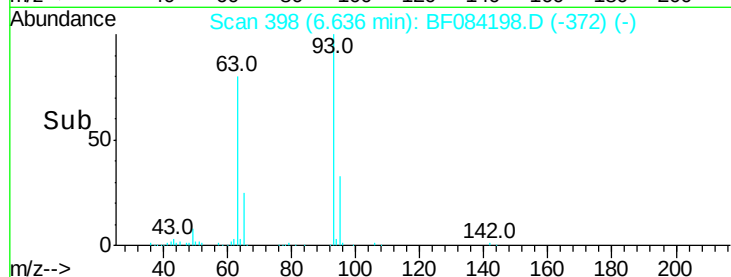
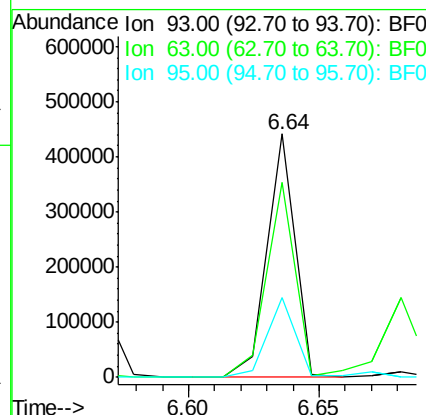
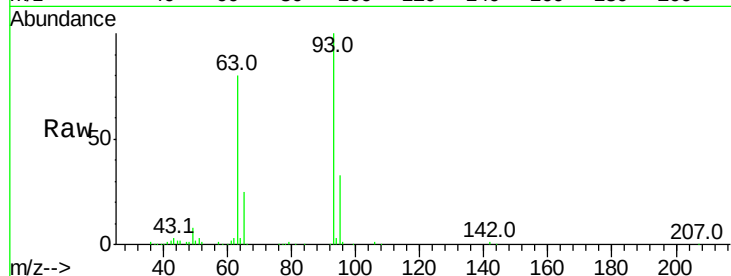
#11
bis(2-Chloroethyl)ether
Concen: 16.01 ng
RT: 6.64 min Scan# 398
Delta R.T. 0.00 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Resp	Lower	Upper
93	100			
63	80.3	45.9	85.9	
95	33.0	12.3	52.3	

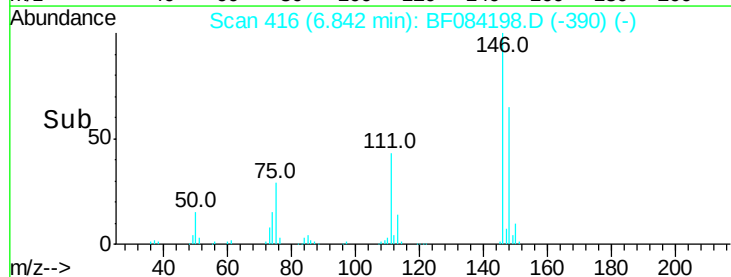
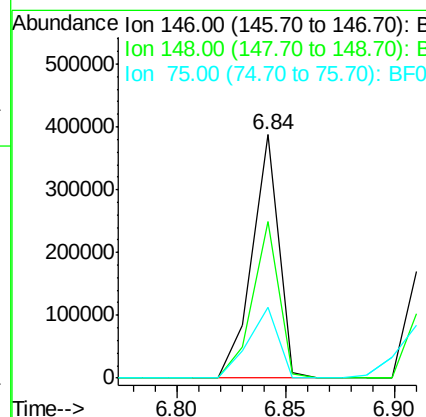
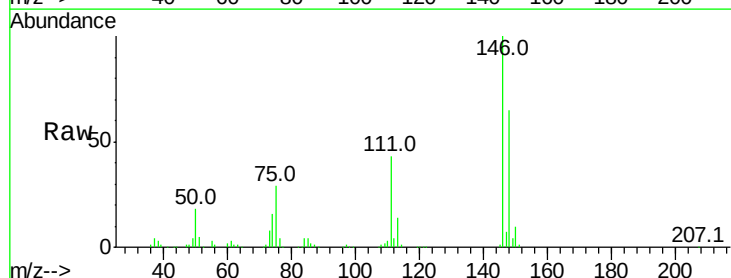
Manual Integrations
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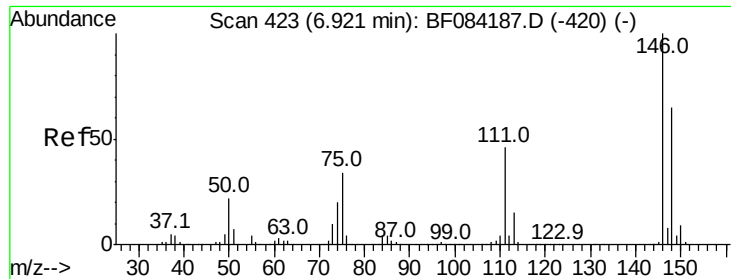
UMANGI
1/4/2016 4:28:44 PM



#12
1,3-Dichlorobenzene
Concen: 15.07 ng
RT: 6.84 min Scan# 416
Delta R.T. 0.00 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
148	64.5	51.9	77.9	
75	29.0	20.5	30.7	





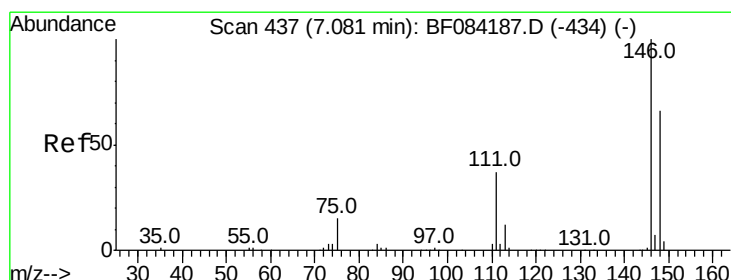
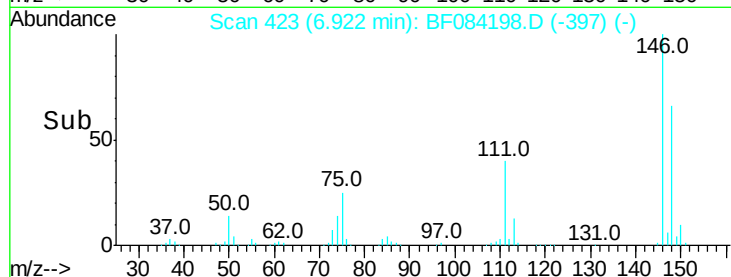
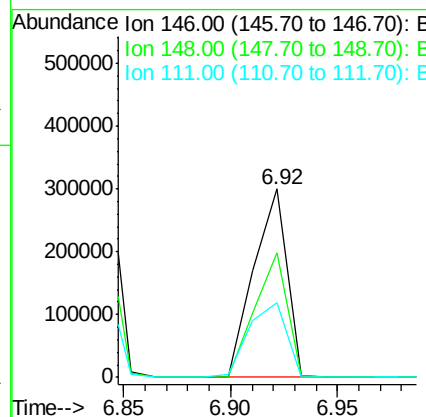
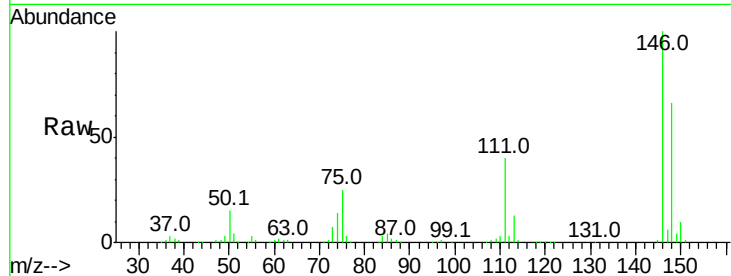
#13
 1,4-Dichlorobenzene
 Concen: 14.78 ng/mL
 RT: 6.92 min Scan# 423
 Delta R.T. 0.00 min
 Lab File: BF084198.D
 Acq: 31 Dec 2015 16:48

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tot Ion	Ratio	Lower	Upper
146	100		
148	66.0	51.9	77.9
111	39.9	41.6	62.4

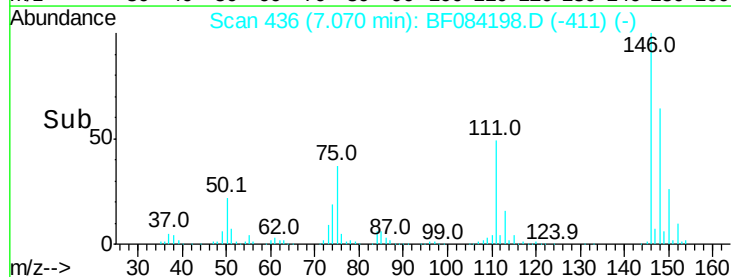
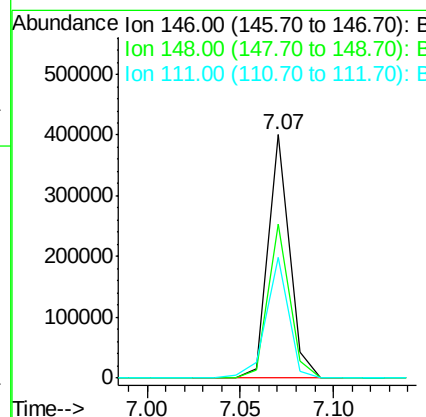
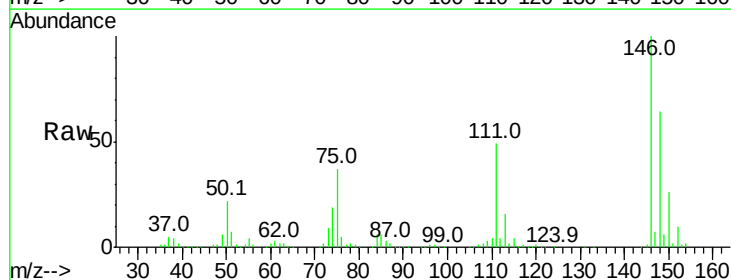
Manual Integrations
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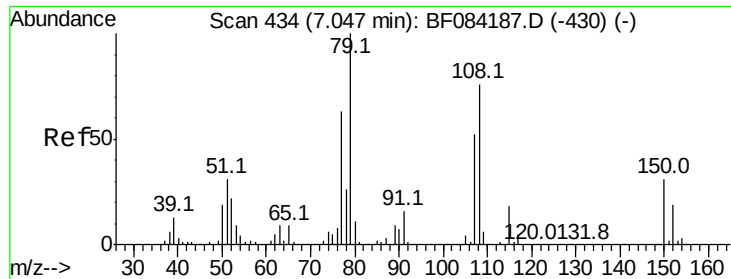
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#14
 1,2-Dichlorobenzene
 Concen: 14.96 ng/mL
 RT: 7.07 min Scan# 436
 Delta R.T. -0.01 min
 Lab File: BF084198.D
 Acq: 31 Dec 2015 16:48

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.6	77.4
111	49.5	38.0	57.0





#15

Benzyl Alcohol

Concen: 15.11 ng

RT: 7.04 min Scan# 433

Delta R.T. -0.01 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

Tot Ion: 79 Resp: 299216

Ion Ratio Lower Upper

79 100

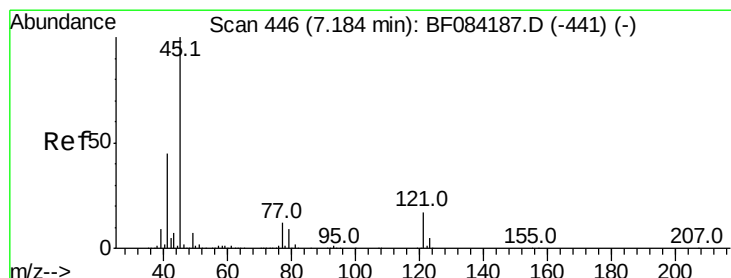
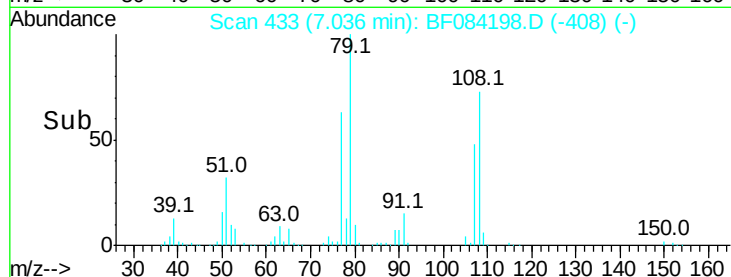
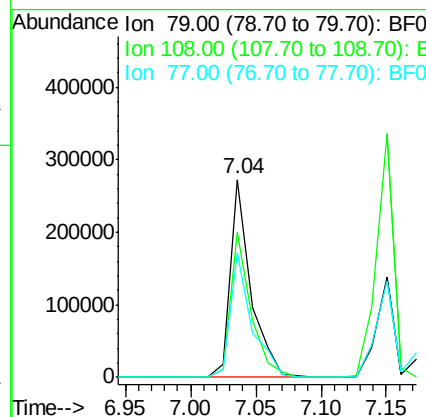
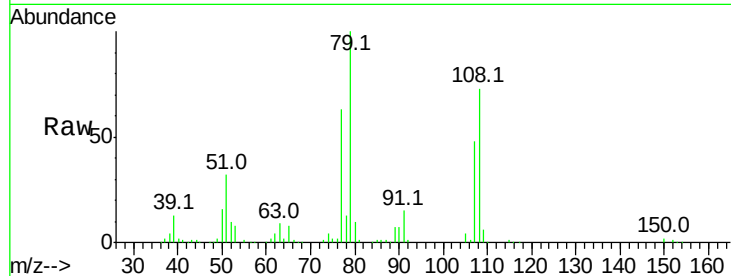
108 73.4 69.0 103.4

77 62.8 50.0 75.0

Manual Integrations
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#16

2,2'-oxybis(1-Chloropropane)

Concen: 14.86 ng

RT: 7.18 min Scan# 446

Delta R.T. 0.00 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

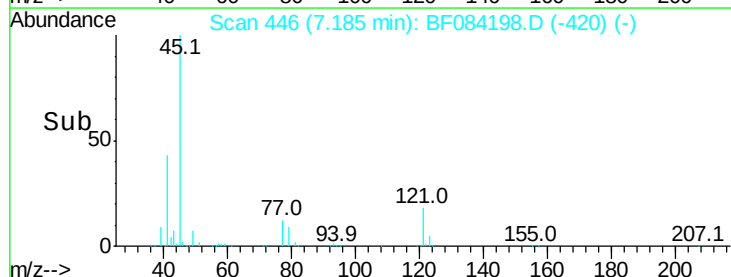
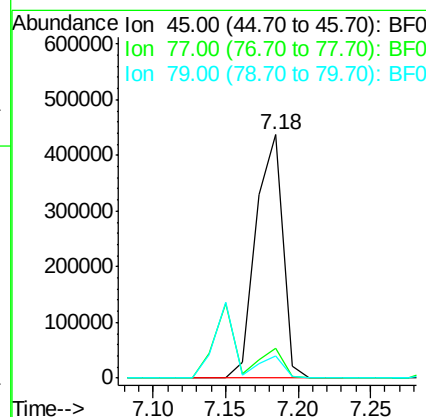
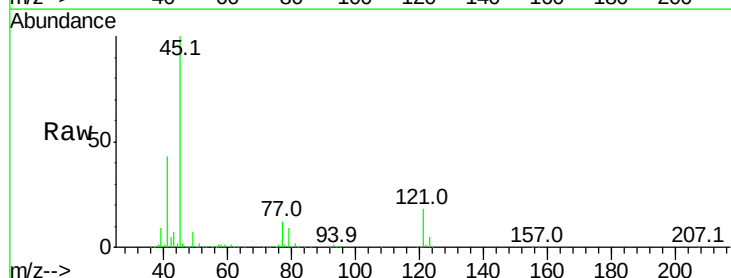
Tgt Ion: 45 Resp: 561159

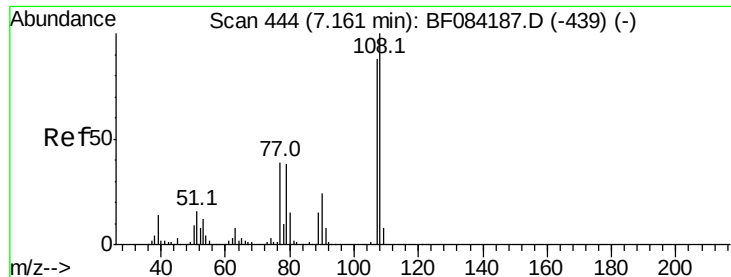
Ion Ratio Lower Upper

45 100

77 12.1 0.0 39.6

79 9.0 0.0 35.0





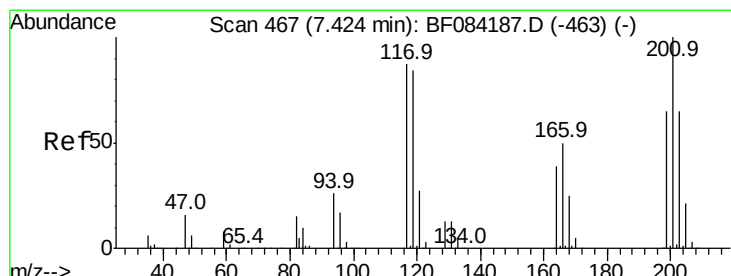
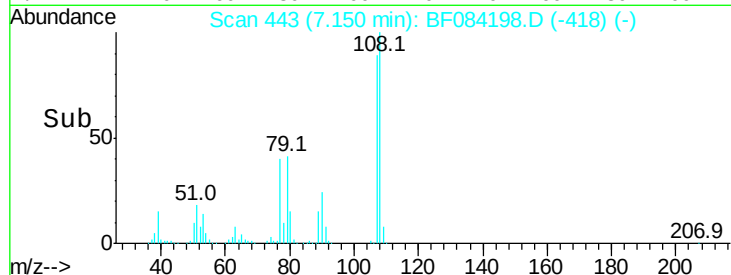
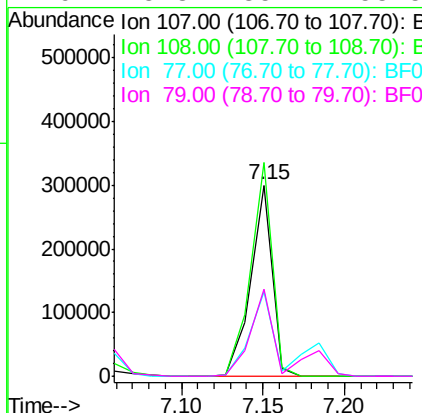
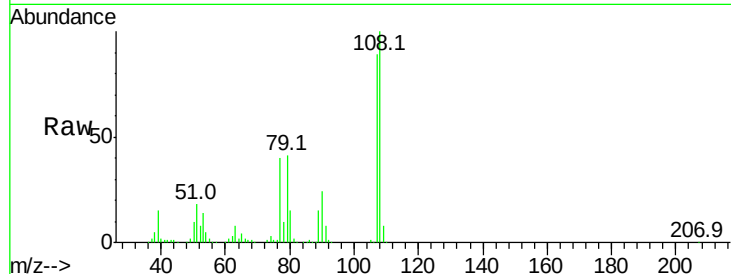
#17
2-Methylphenol
Concen: 15.39 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.01 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
107	100		274310		
108	111.8	89.8	134.6		
77	44.4	35.7	53.5		
79	45.8	35.7	53.5		

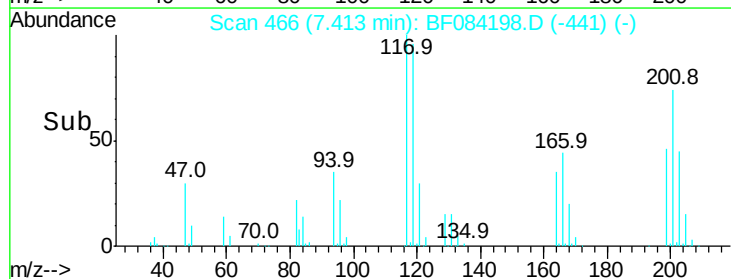
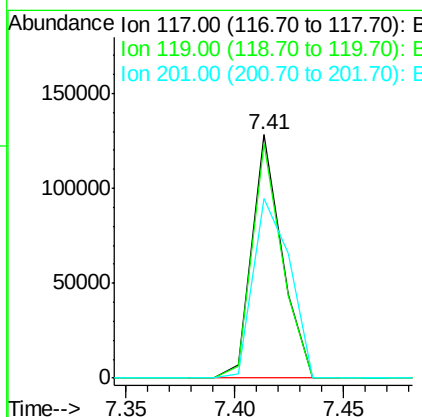
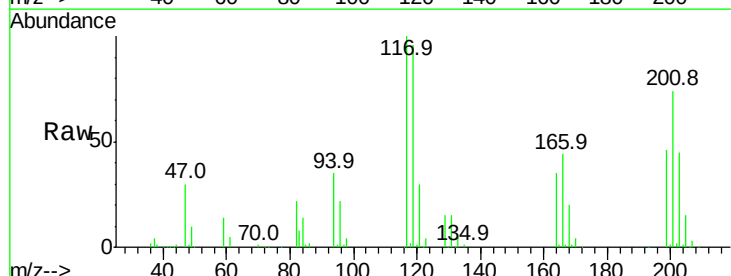
Manual Integrations
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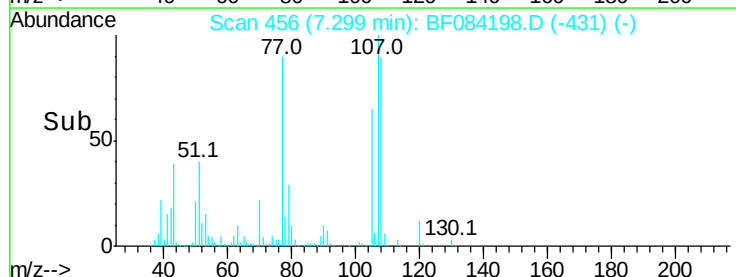
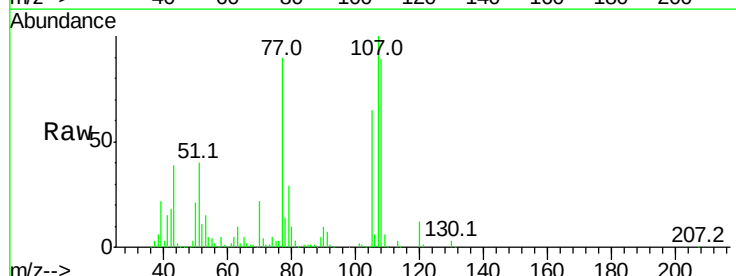
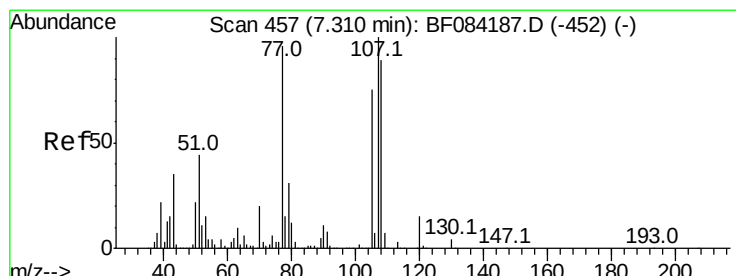
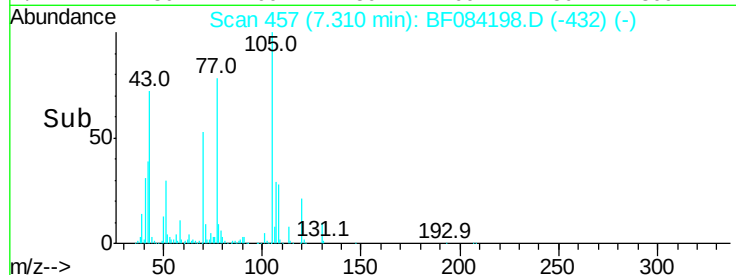
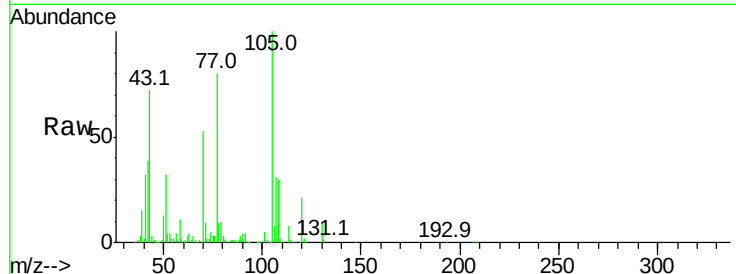
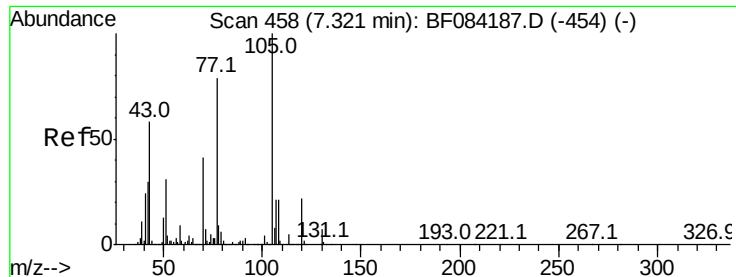
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#18
Hexachloroethane
Concen: 14.00 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		123154		
119	96.4	77.4	116.0		
201	73.5	68.6	103.0		





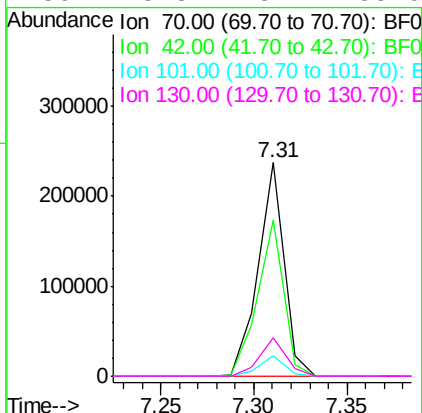
#19
n-Nitroso-di-n-propylamine
Concen: 14.28 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Lower	Upper
70	100		
42	73.3	33.3	49.9#
101	9.4	9.3	13.9
130	18.3	23.4	35.0#

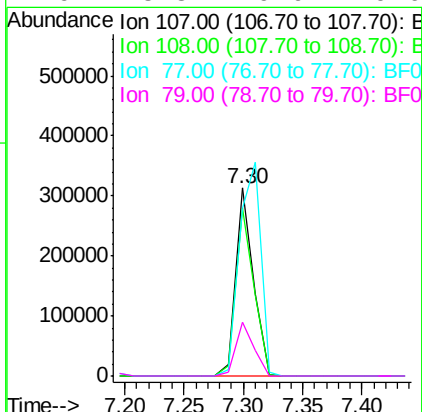
Manual Integrations
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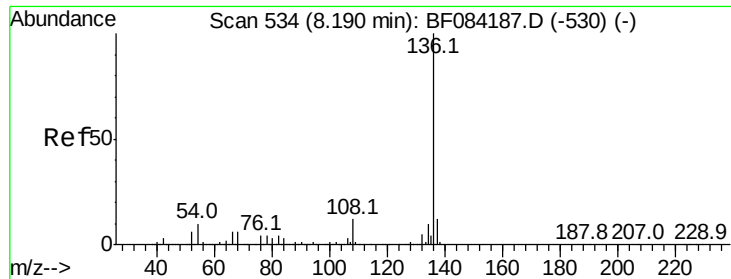
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1/4/2016 4:28:44 PM



#20
3+4-Methylphenols
Concen: 15.44 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.3	64.1	104.1
77	89.6	128.9	168.9#
79	28.8	9.6	49.6





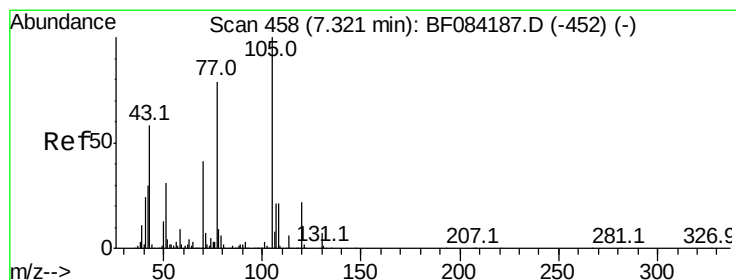
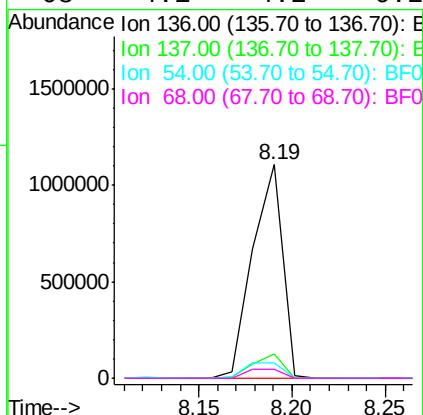
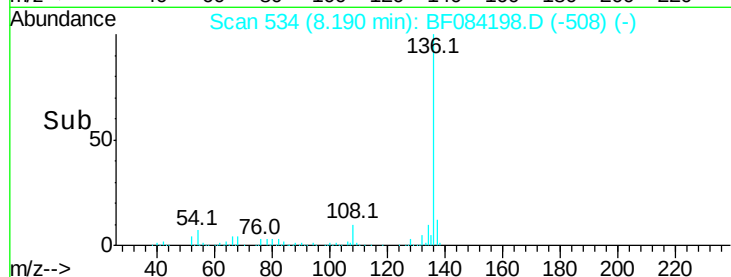
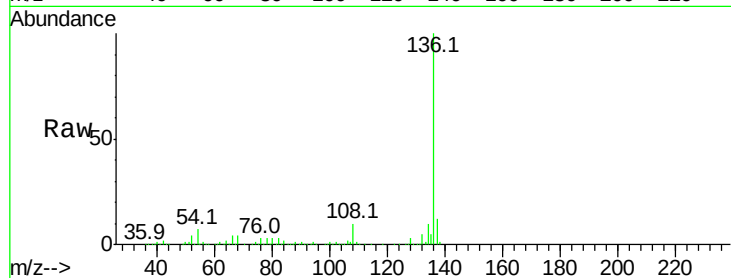
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 534
Delta R.T. 0.00 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.7	13.1
54	7.2	5.8	8.8
68	4.1	4.2	6.2#

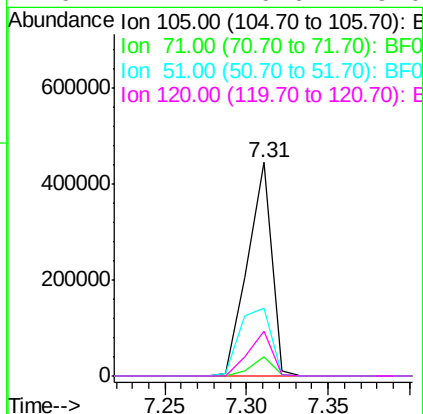
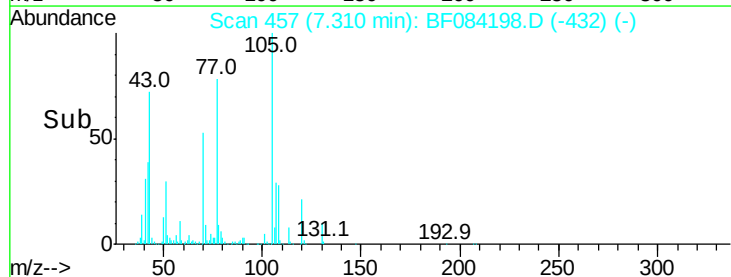
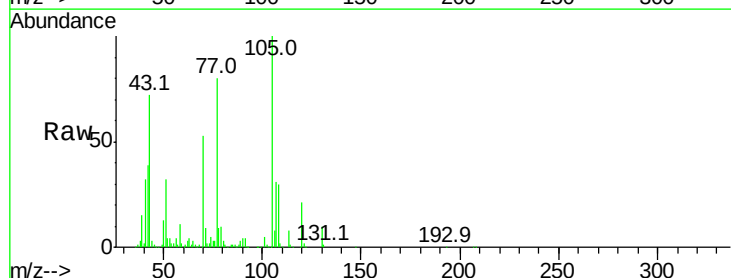
Manual Integrations
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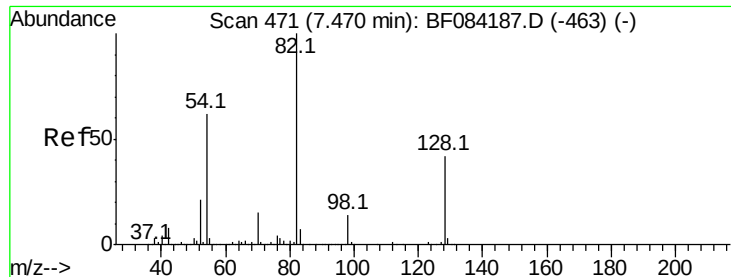
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#22
Acetophenone
Concen: 15.15 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Tgt Ion	Ratio	Lower	Upper
105	100		
71	9.0	3.7	5.5#
51	31.7	25.1	37.7
120	21.1	16.6	25.0





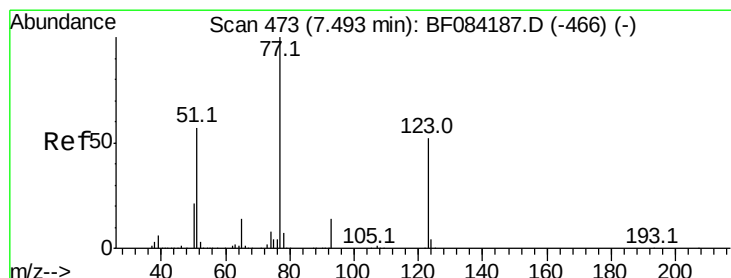
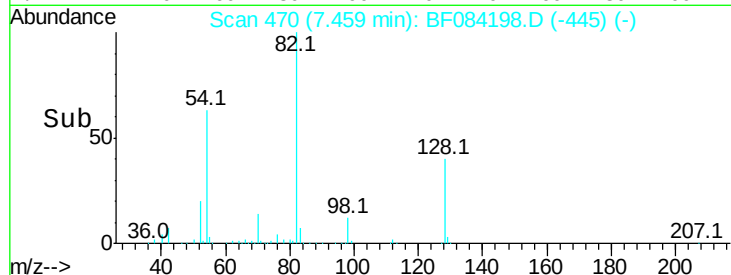
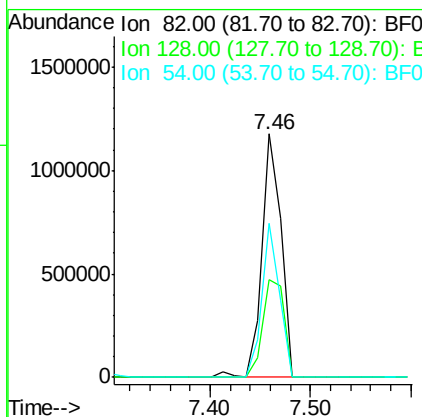
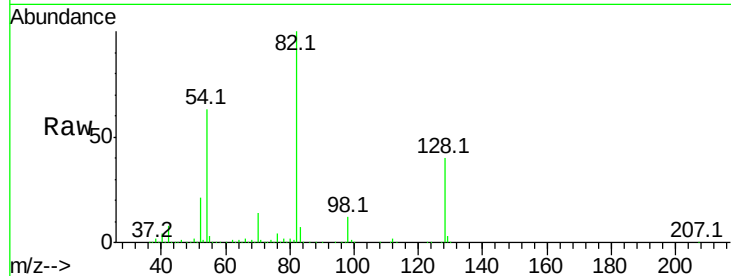
#23
Nitrobenzene-d5
Concen: 69.31 ng
RT: 7.46 min Scan# 470
Delta R.T. -0.01 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.4	34.6	51.8
54	63.0	38.4	57.6

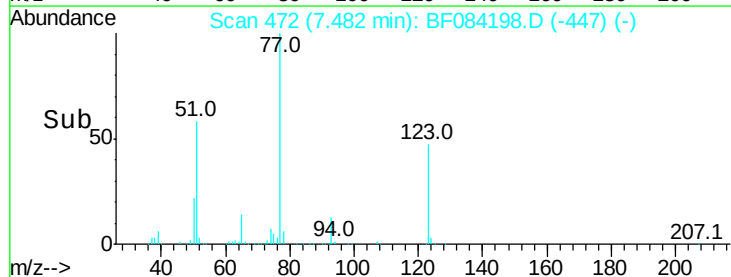
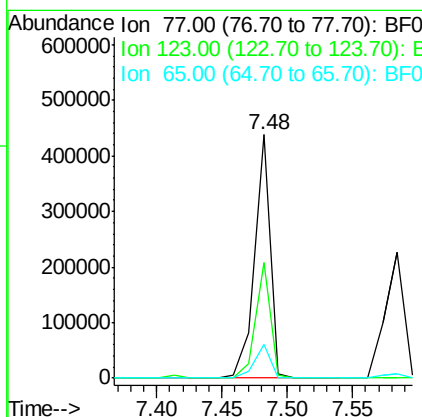
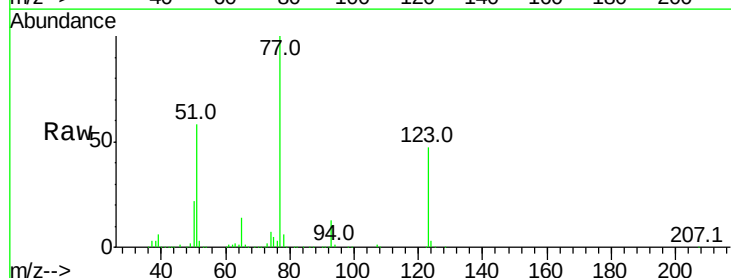
Manual Integrations
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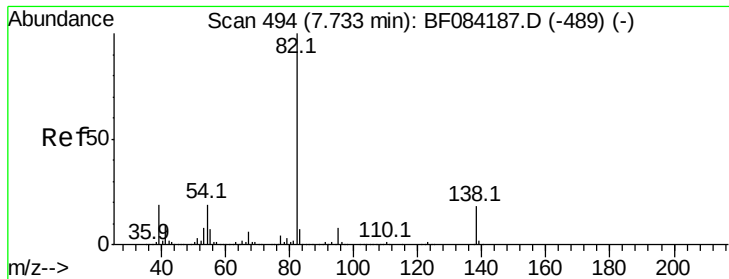
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#24
Nitrobenzene
Concen: 16.03 ng
RT: 7.48 min Scan# 472
Delta R.T. -0.01 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Tgt Ion	Ratio	Lower	Upper
77	100		
123	47.3	37.4	56.2
65	13.7	10.9	16.3





#25

Isophorone

Concen: 14.95 ng

RT: 7.72 min Scan# 493

Delta R.T. -0.01 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Instrument :

BNA_F

ClientSampleId :

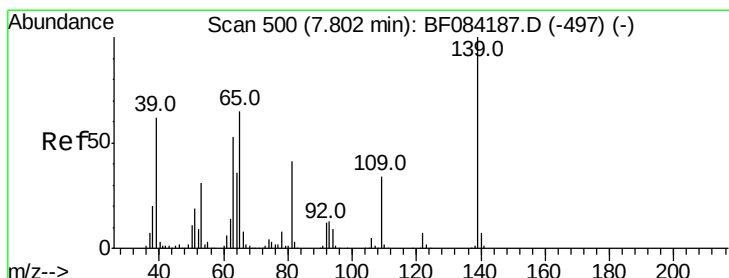
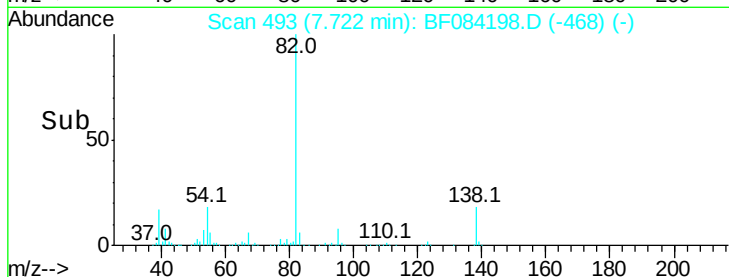
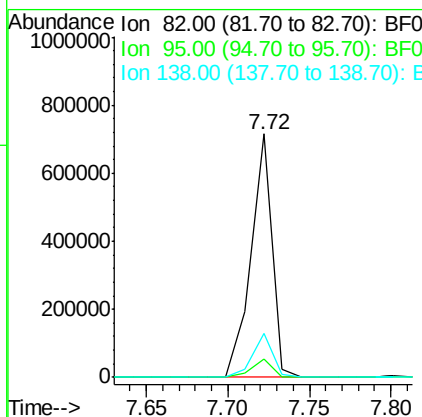
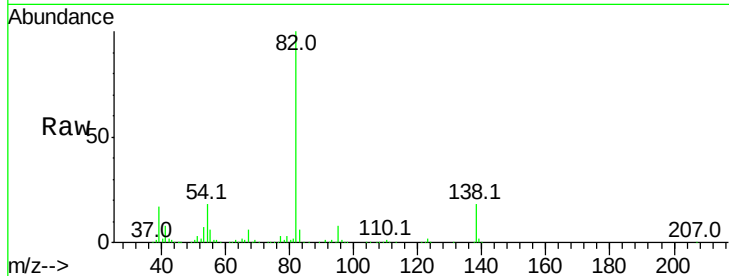
LOQ-SOIL2016-02

Tot Ion:	82	Resp:	641619
Ion Ratio	Lower	Upper	
82	100		
95	7.6	6.6	10.0
138	17.9	13.6	20.4

Manual Integrations
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#26

2-Nitrophenol

Concen: 14.77 ng

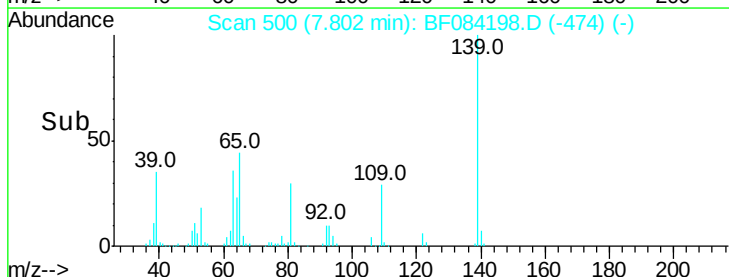
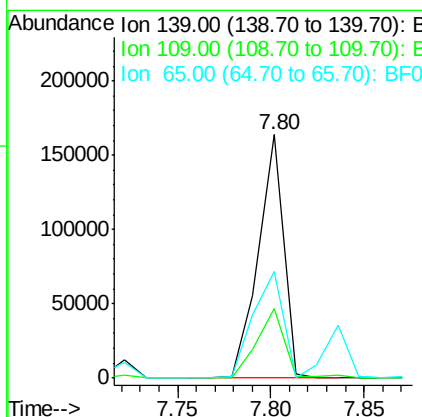
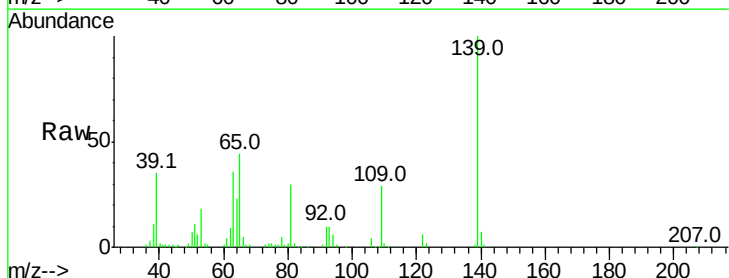
RT: 7.80 min Scan# 500

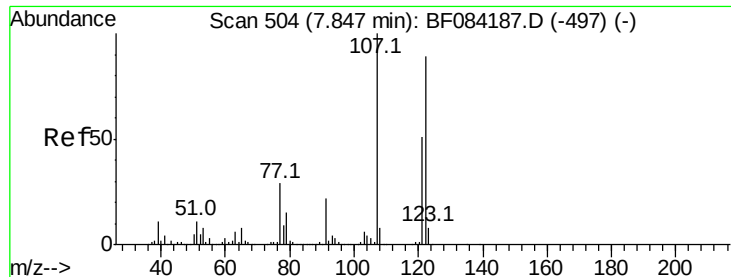
Delta R.T. 0.00 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Tgt Ion:	139	Resp:	152984
Ion Ratio	Lower	Upper	
139	100		
109	28.5	25.4	38.2
65	43.6	32.3	48.5





#27

2,4-Dimethylphenol

Concen: 14.80 ng

RT: 7.84 min Scan# 503

Delta R.T. -0.01 min

Lab File: BF084198.D

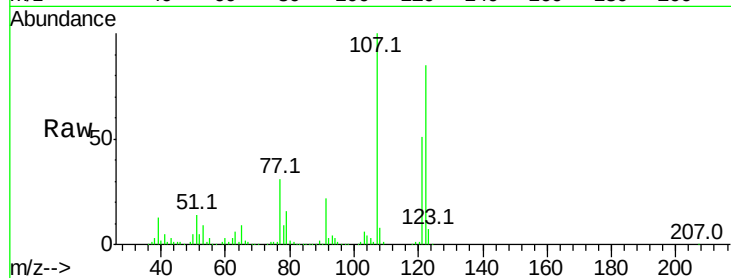
Acq: 31 Dec 2015 16:48

Instrument :

BNA_F

ClientSampleId :

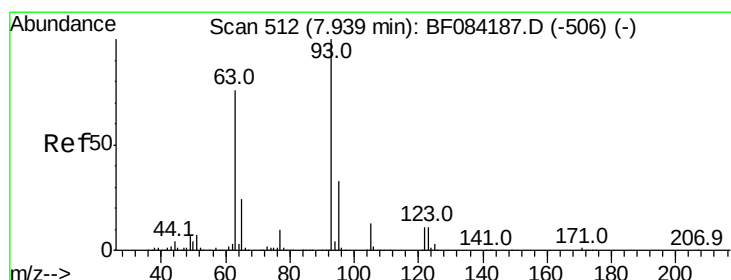
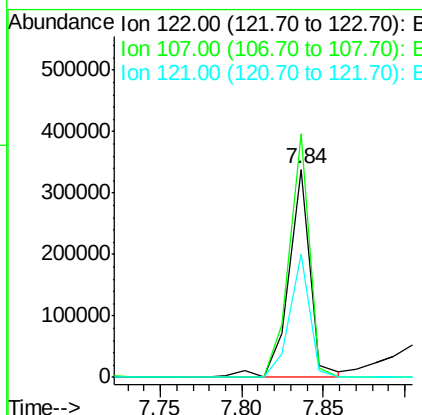
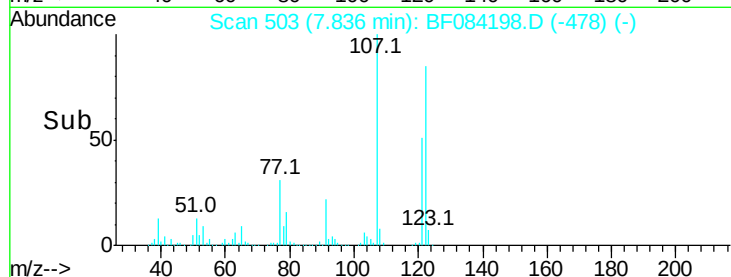
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Tot Ion:	122	Resp:	310372
Ion Ratio	Lower	Upper	
122	100		
107	117.2	99.1	148.7
121	59.4	47.9	71.9

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#28

bis(2-Chloroethoxy)methane

Concen: 15.55 ng

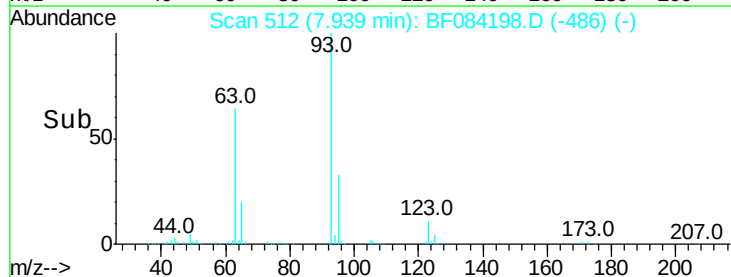
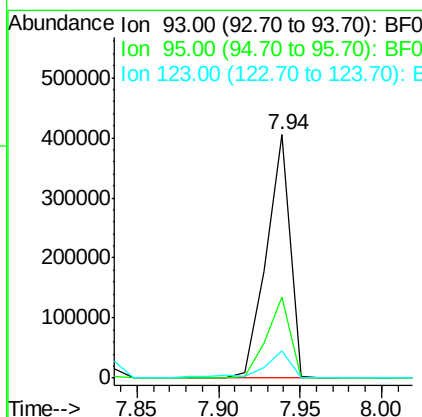
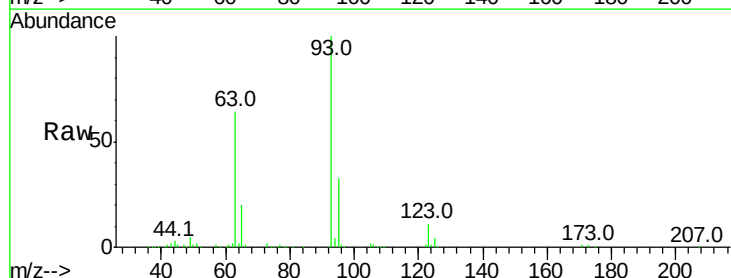
RT: 7.94 min Scan# 512

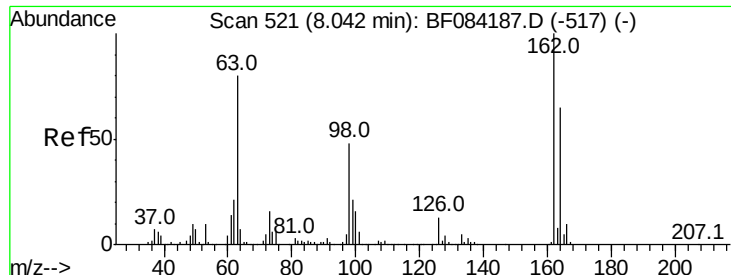
Delta R.T. 0.00 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Tgt Ion:	93	Resp:	407712
Ion Ratio	Lower	Upper	
93	100		
95	33.1	25.8	38.6
123	11.0	8.6	12.8





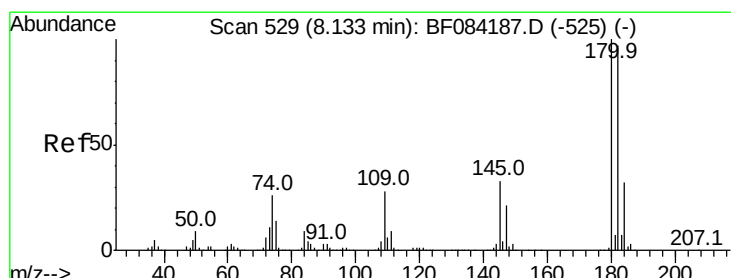
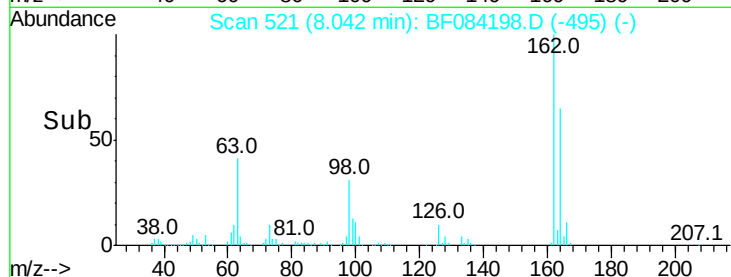
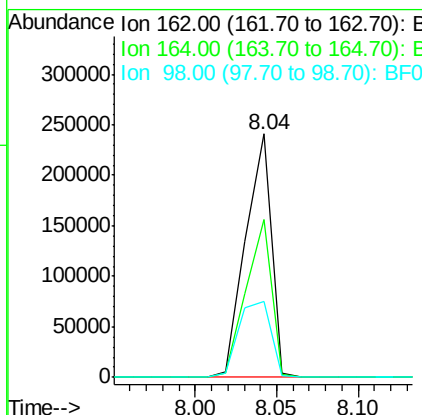
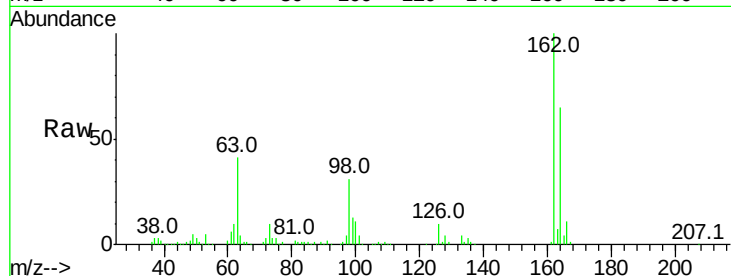
#29
2,4-Dichlorophenol
Concen: 15.17 ng
RT: 8.04 min Scan# 521
Delta R.T. 0.00 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	64.7	44.1	84.1
98	31.4	20.2	60.2

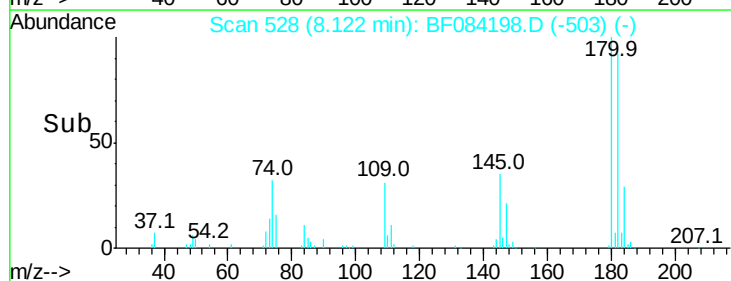
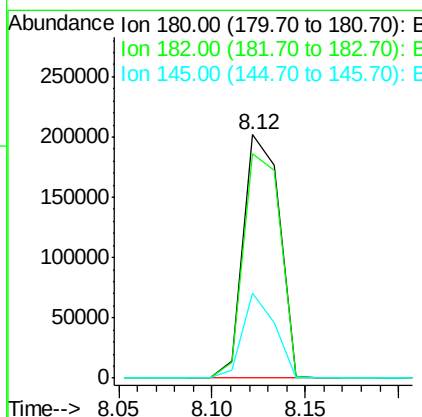
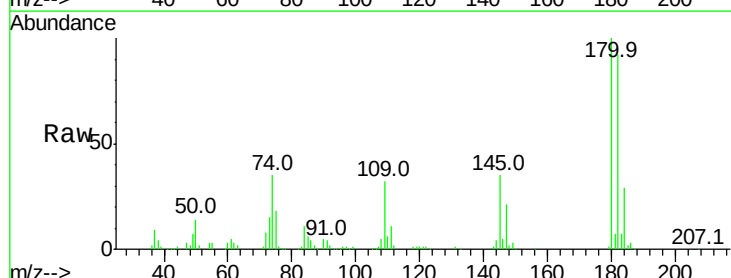
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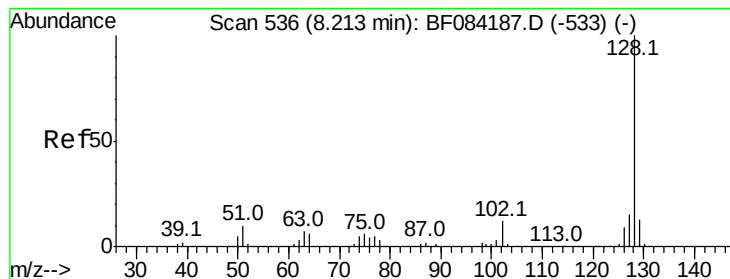
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#30
1,2,4-Trichlorobenzene
Concen: 14.96 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	92.2	76.4	114.6
145	34.7	31.6	47.4





#31

Naphthalene

Concen: 15.41 ng

RT: 8.20 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Instrument :

BNA_F

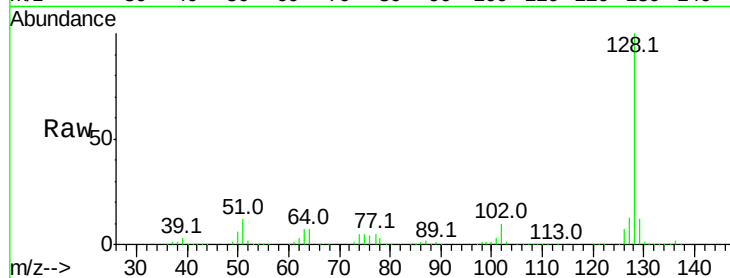
ClientSampleId :

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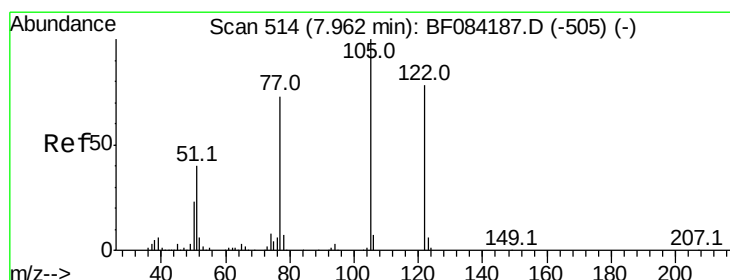
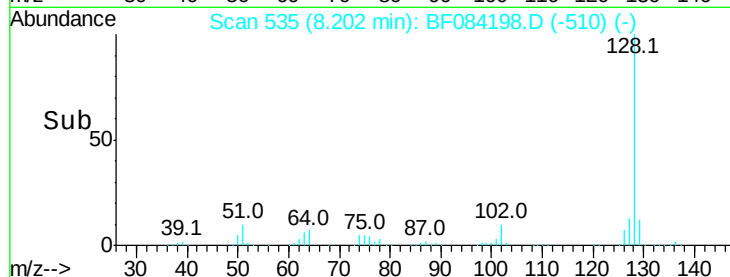
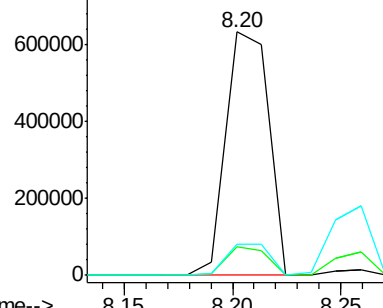
Tot Ion:128	Resp:	873009
Ion Ratio	Lower	Upper
128	100	
129	12.0	9.1 13.7
127	13.0	11.1 16.7

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



#32

Benzoic acid

Concen: 13.69 ng

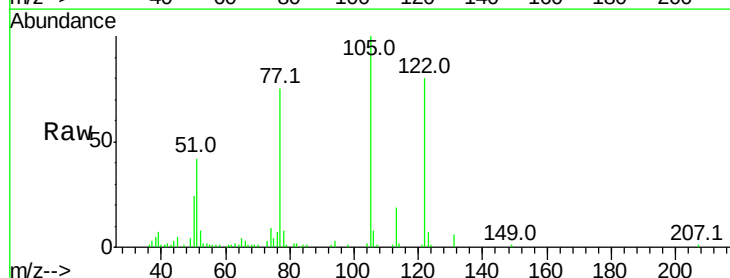
RT: 7.90 min Scan# 509

Delta R.T. -0.06 min

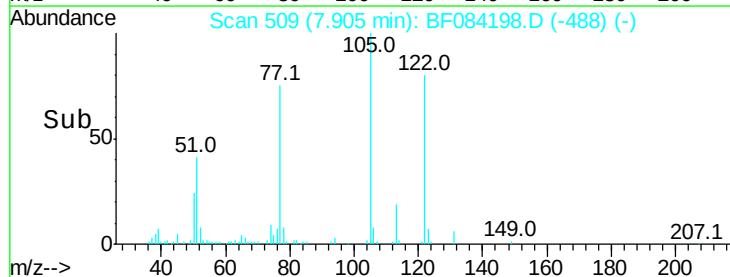
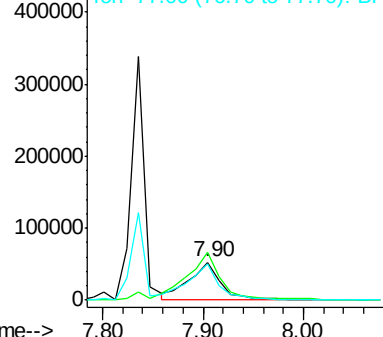
Lab File: BF084198.D

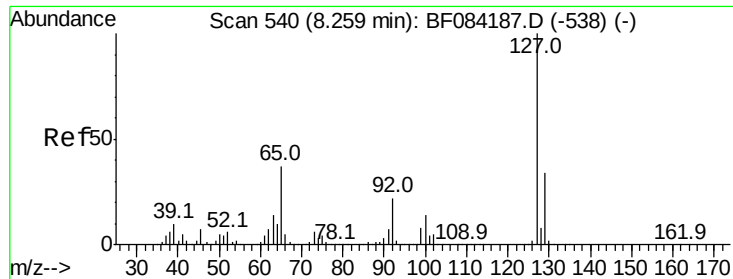
Acq: 31 Dec 2015 16:48

Tgt Ion:122	Resp:	115427
Ion Ratio	Lower	Upper
122	100	
105	125.5	100.3 140.3
77	94.0	63.5 103.5



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





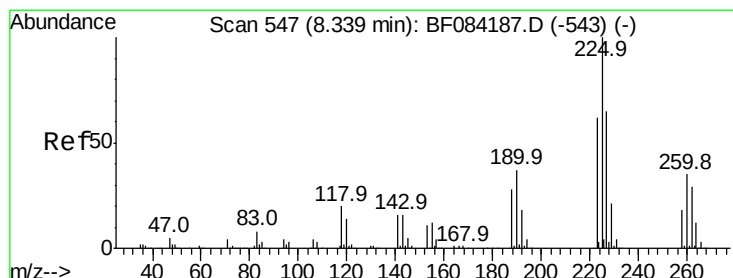
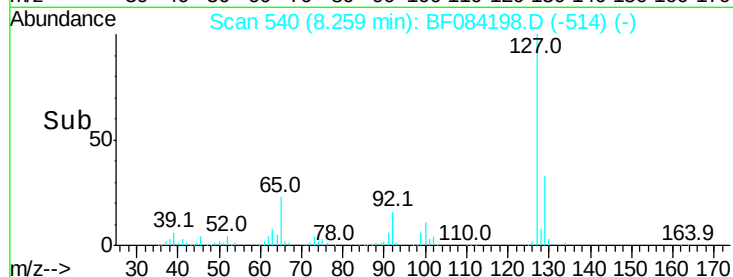
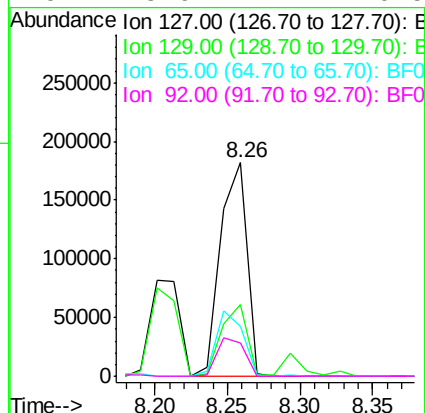
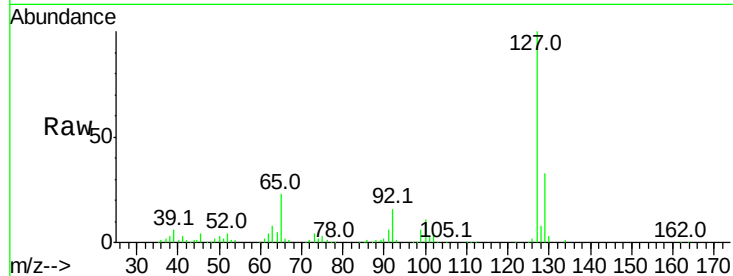
#33
4-Chloroaniline
Concen: 8.88 ng
RT: 8.26 min Scan# 540
Delta R.T. 0.00 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp Lower	Upper
127	100		
129	33.3	26.5	39.7
65	23.3	27.2	40.8
92	15.6	17.7	26.5

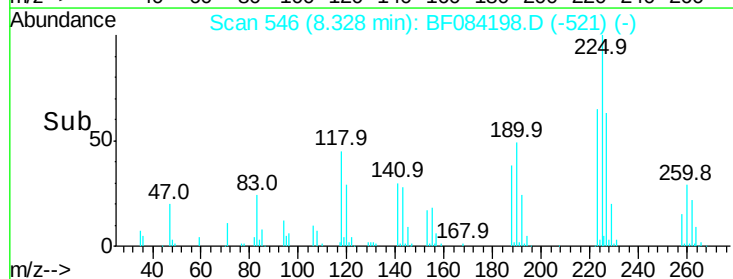
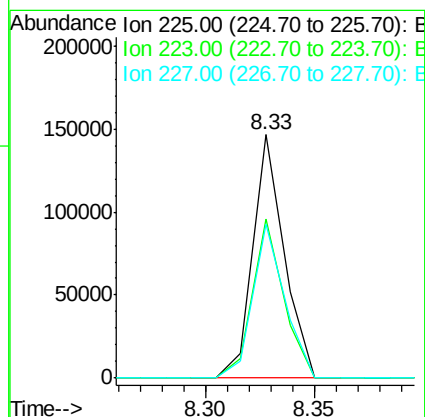
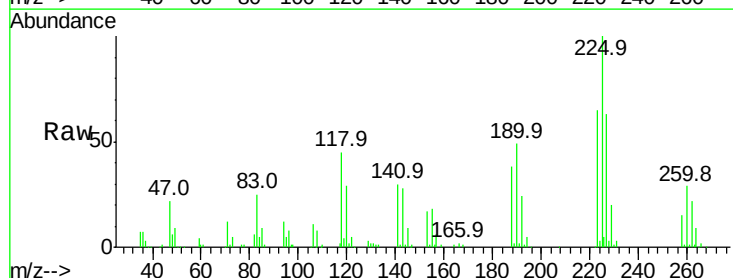
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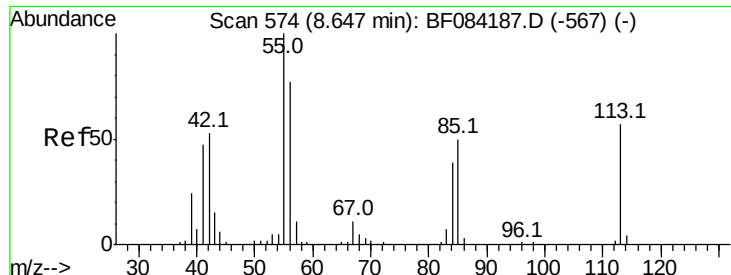
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#34
Hexachlorobutadiene
Concen: 14.15 ng
RT: 8.33 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	65.3	49.4	74.0
227	63.4	50.8	76.2





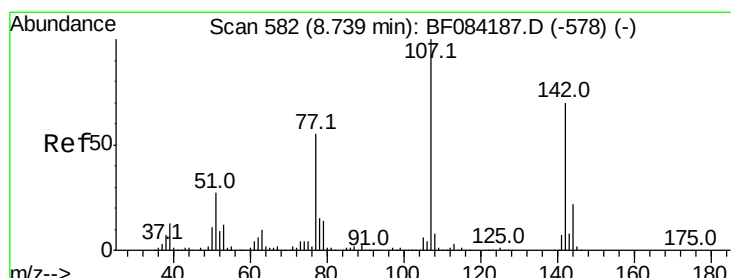
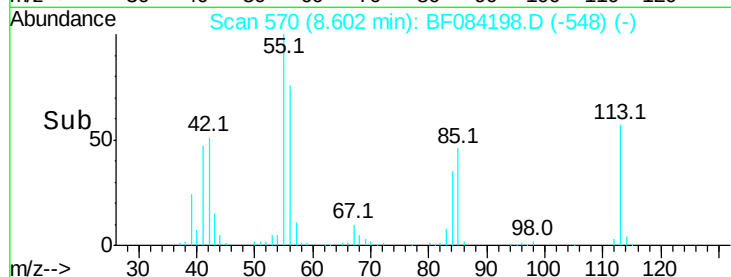
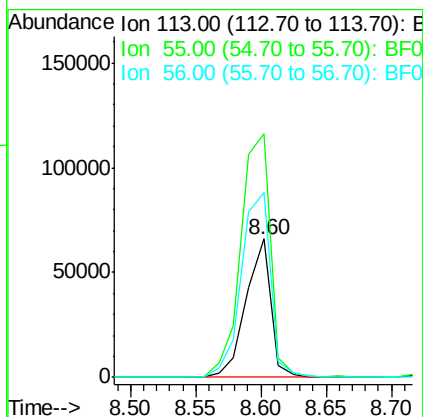
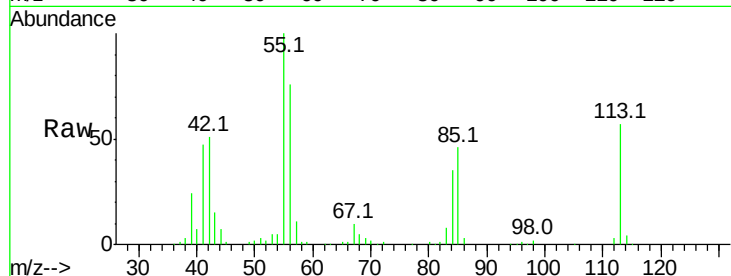
#35
 Caprolactam
 Concen: 14.78 ng
 RT: 8.60 min Scan# 570
 Delta R.T. -0.05 min
 Lab File: BF084198.D
 Acq: 31 Dec 2015 16:48

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tot Ion:113 Resp: 87029
 Ion Ratio Lower Upper
 113 100
 55 176.1 116.9 156.9#
 56 133.8 93.8 133.8

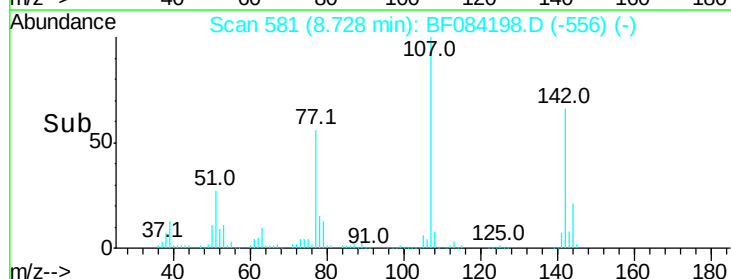
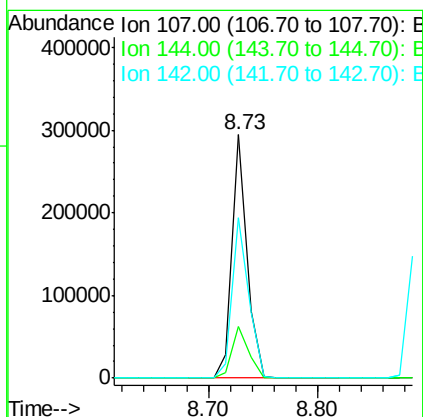
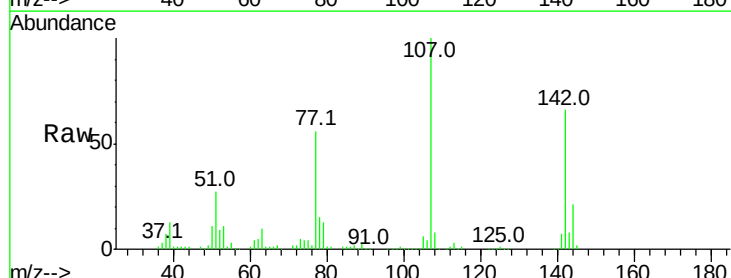
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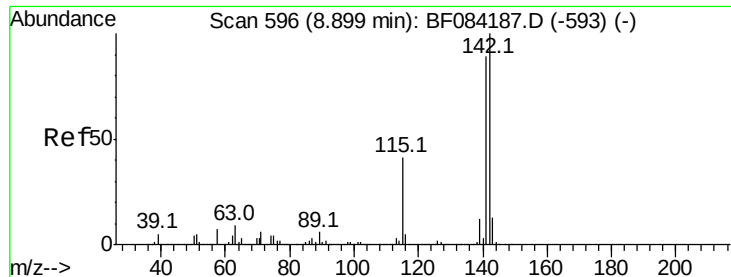
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#36
 4-Chloro-3-methylphenol
 Concen: 14.40 ng
 RT: 8.73 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: BF084198.D
 Acq: 31 Dec 2015 16:48

Tgt Ion:107 Resp: 281663
 Ion Ratio Lower Upper
 107 100
 144 21.3 19.7 29.5
 142 66.0 61.8 92.6





#37

2-Methylnaphthalene

Concen: 15.18 ng

RT: 8.90 min Scan# 596

Delta R.T. 0.00 min

Lab File: BF084198.D

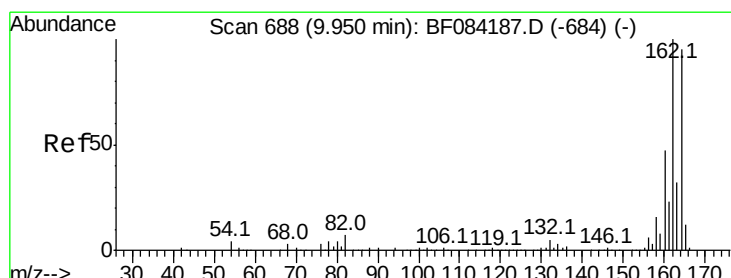
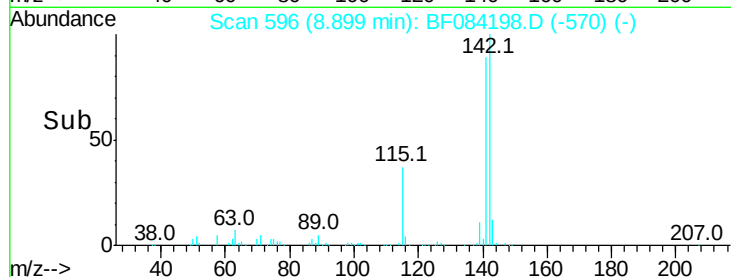
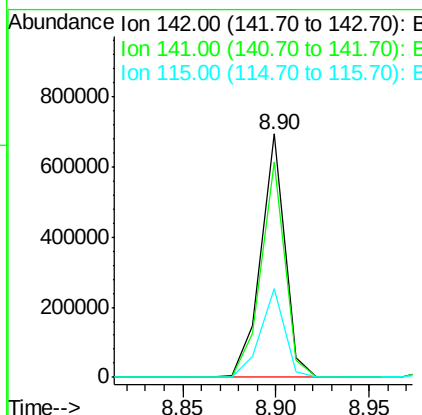
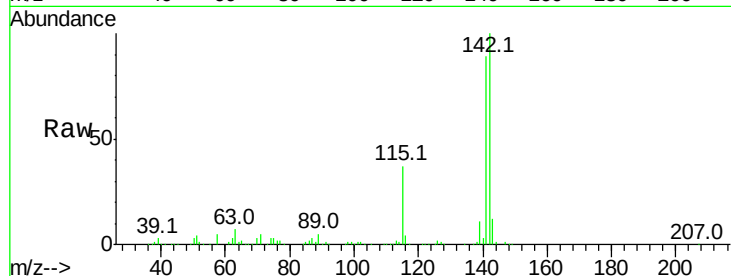
Acq: 31 Dec 2015 16:48

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
142	100	617604		
141	88.5	72.4	108.6	
115	36.6	27.9	41.9	

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#38

Acenaphthene-d10

Concen: 20.00 ng

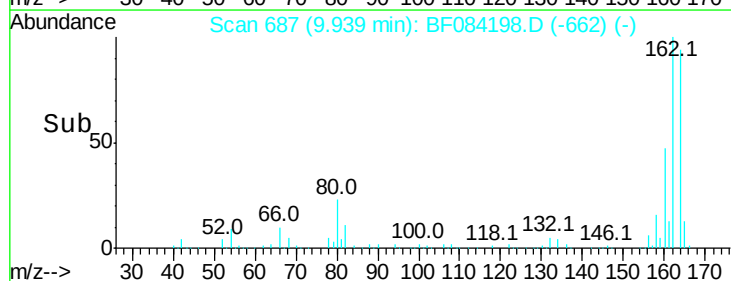
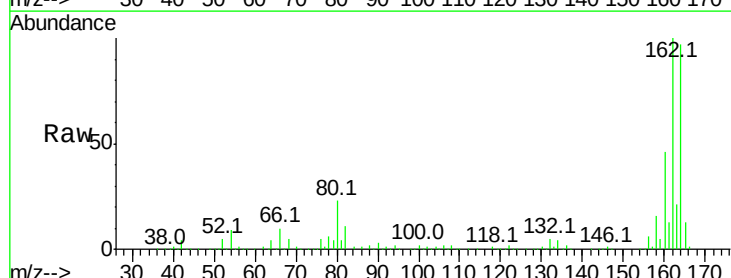
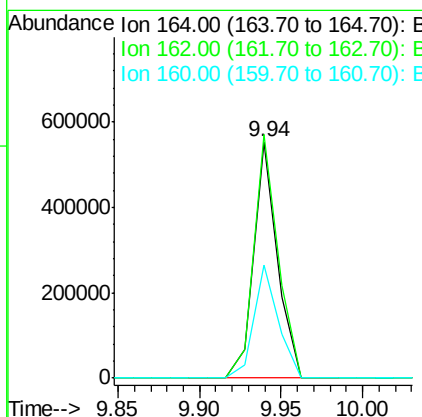
RT: 9.94 min Scan# 687

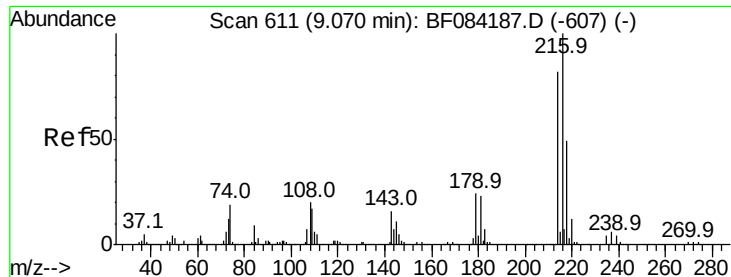
Delta R.T. -0.01 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	557099		
162	103.0	85.1	127.7	
160	47.9	37.5	56.3	





#39

1,2,4,5-Tetrachlorobenzene

Concen: 14.76 ng

RT: 9.07 min Scan# 611

Delta R.T. 0.00 min

Lab File: BF084198.D

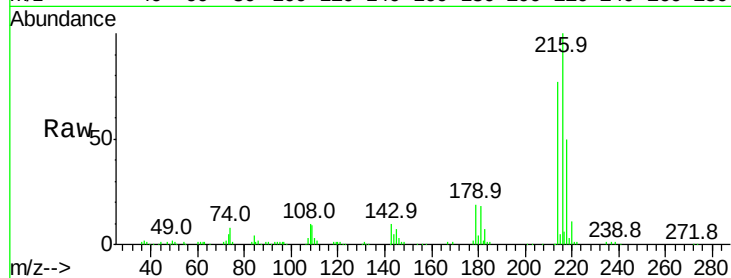
Acq: 31 Dec 2015 16:48

Instrument :

BNA_F

ClientSampleId :

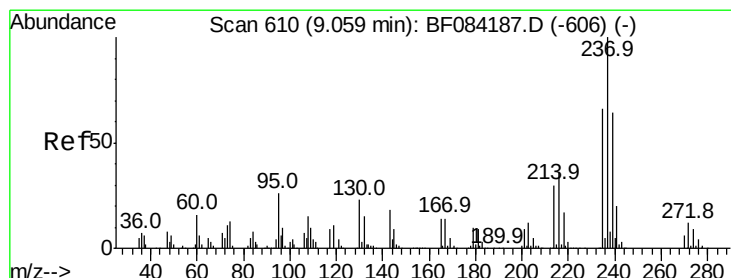
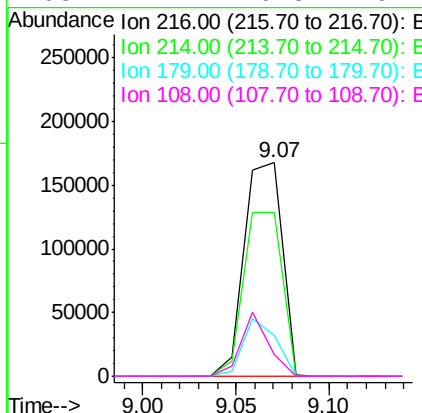
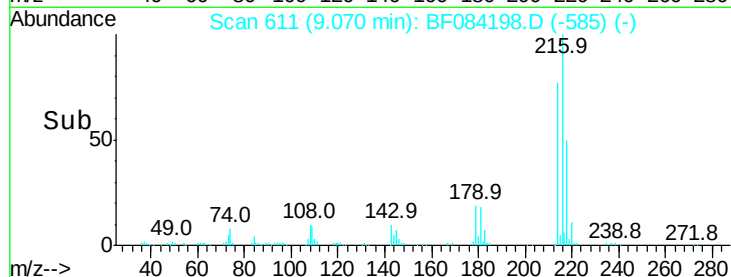
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Tot Ion	Ratio	Resp	Lower	Upper
216	100	236421		
214	78.1	64.2	96.2	
179	23.8	18.7	28.1	
108	21.7	16.8	25.2	

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#40

Hexachlorocyclopentadiene

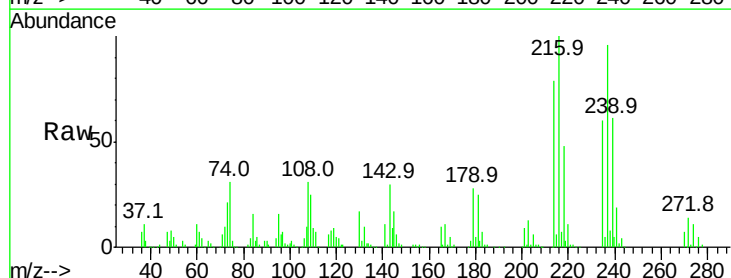
Concen: 15.47 ng

RT: 9.06 min Scan# 610

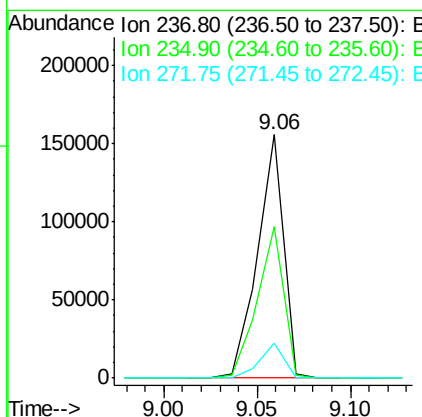
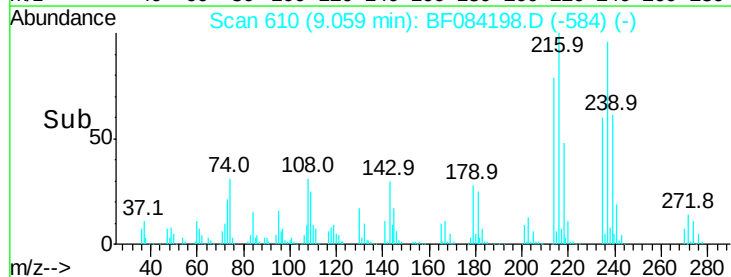
Delta R.T. 0.00 min

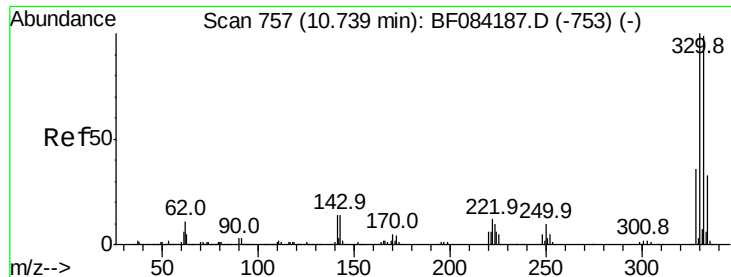
Lab File: BF084198.D

Acq: 31 Dec 2015 16:48



Tgt Ion	Ratio	Resp	Lower	Upper
237	100	149578		
235	62.4	43.1	83.1	
272	14.6	0.0	35.1	





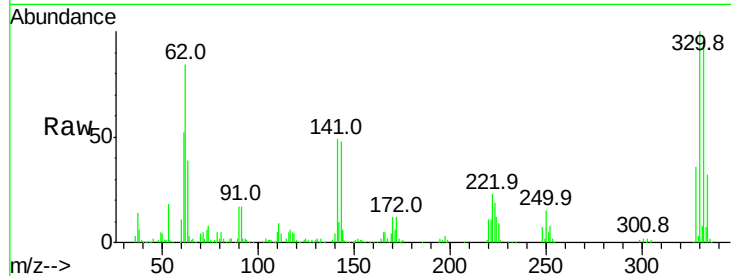
#41
 2,4,6-Tribromophenol
 Concen: 104.44 ng
 RT: 10.73 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: BF084198.D
 Acq: 31 Dec 2015 16:48

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

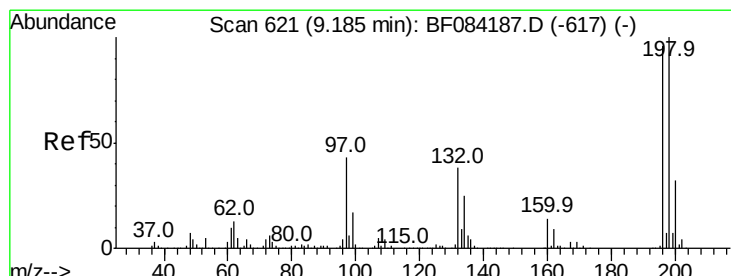
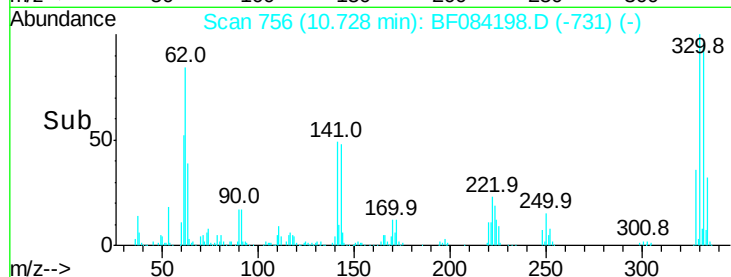
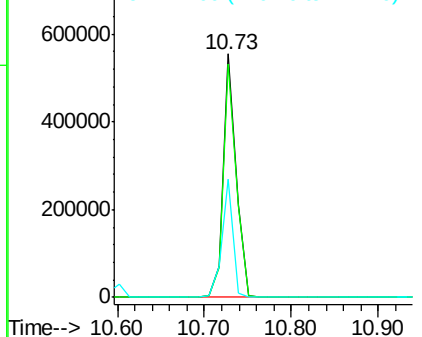
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	76.6	114.8	
141	41.8	27.8	41.6	

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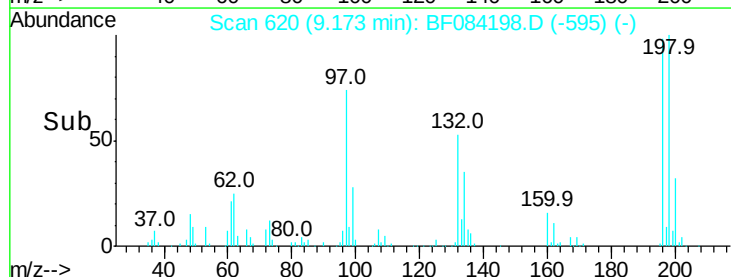
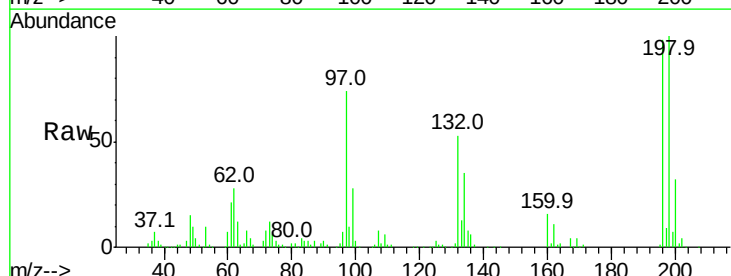
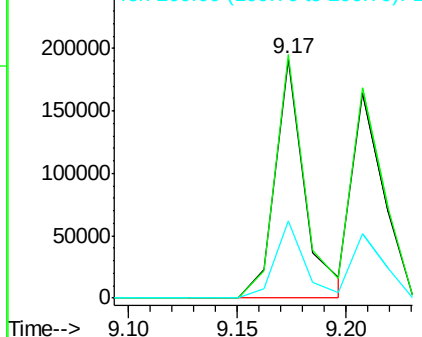
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

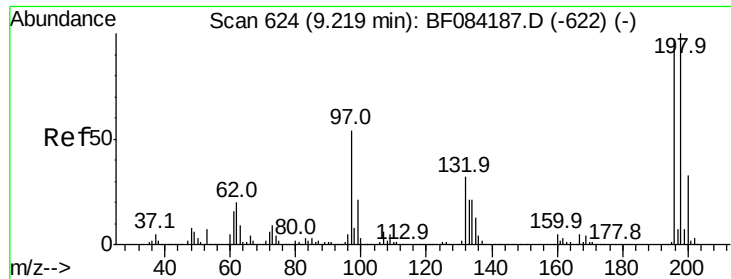


#42
 2,4,6-Trichlorophenol
 Concen: 15.30 ng
 RT: 9.17 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: BF084198.D
 Acq: 31 Dec 2015 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	101.9	77.7	116.5	
200	32.5	24.6	37.0	

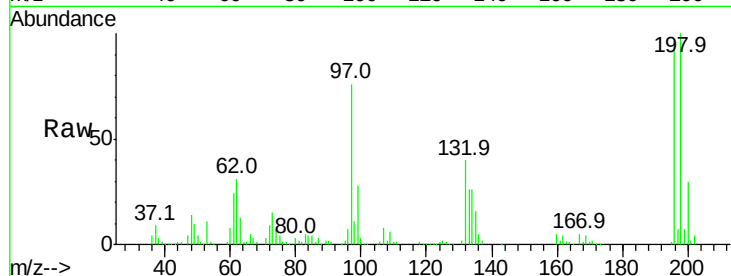
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





#43
 2,4,5-Trichlorophenol
 Concen: 14.36 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF084198.D
 Acq: 31 Dec 2015 16:48

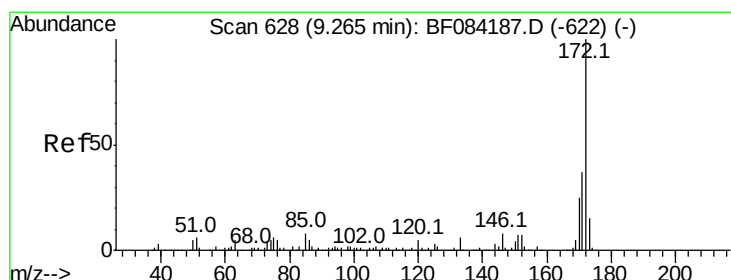
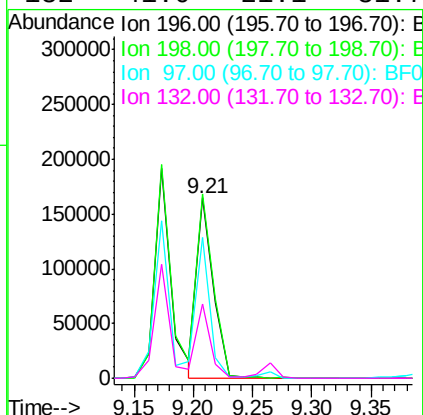
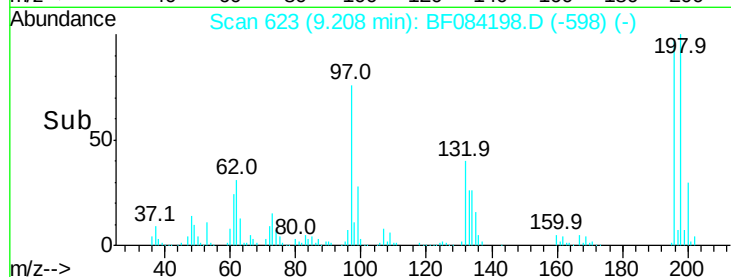
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02



Tot Ion	Ratio	Resp	Lower	Upper
196	100	164970		
198	102.6	79.0	118.6	
97	78.3	33.0	49.6	
132	41.0	21.1	31.7	

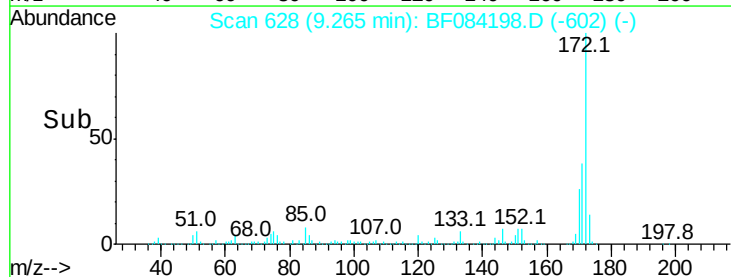
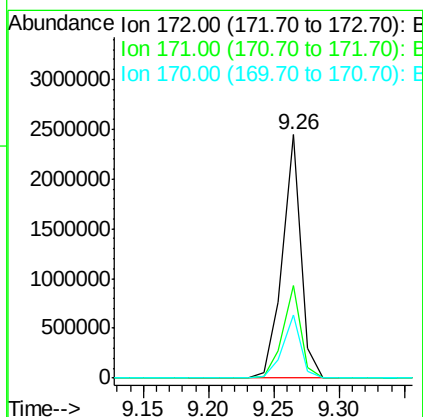
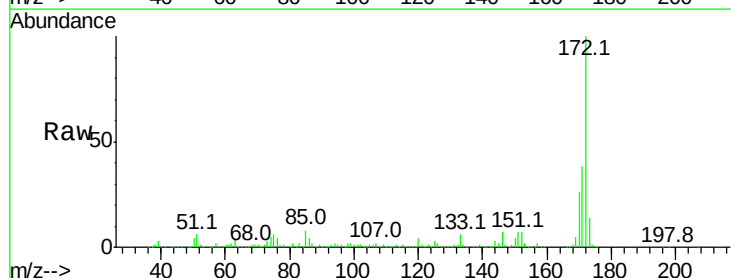
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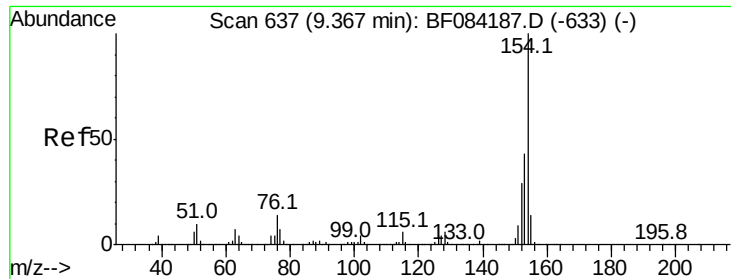
UMANGI
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#44
 2-Fluorobiphenyl
 Concen: 76.71 ng
 RT: 9.26 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: BF084198.D
 Acq: 31 Dec 2015 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2448838		
171	38.1	28.9	43.3	
170	26.0	18.6	27.8	





#45

1,1'-Biphenyl

Concen: 16.86 ng

RT: 9.37 min Scan# 637

Delta R.T. 0.00 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Instrument :

BNA_F

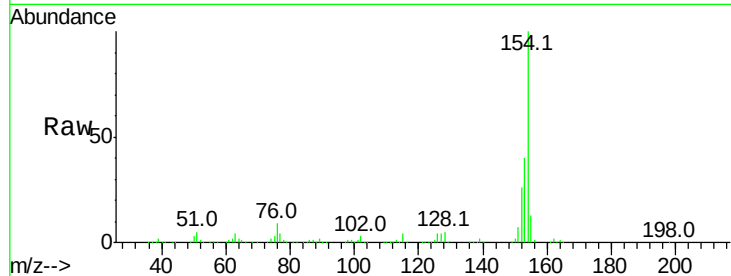
ClientSampleId :

LOQ-SOIL2016-02

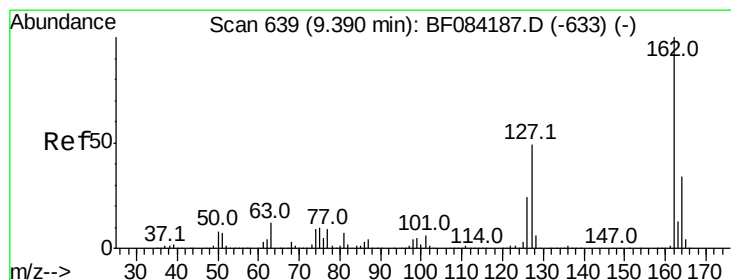
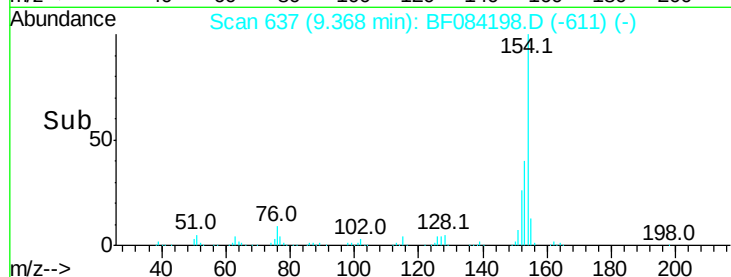
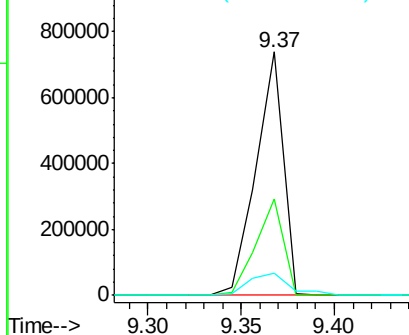
Tot Ion:	154	Resp:	746455
Ion Ratio	Lower	Upper	
154	100		
153	39.6	21.6	61.6
76	9.1	0.0	32.7

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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: 16.45 ng

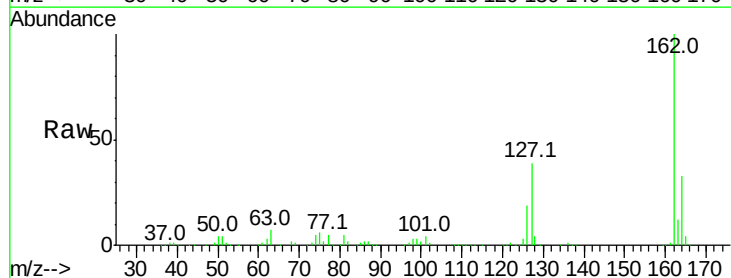
RT: 9.39 min Scan# 639

Delta R.T. 0.00 min

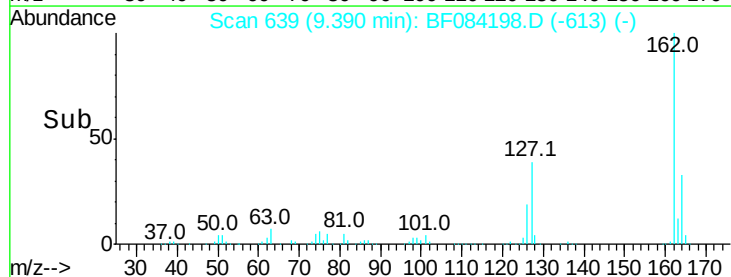
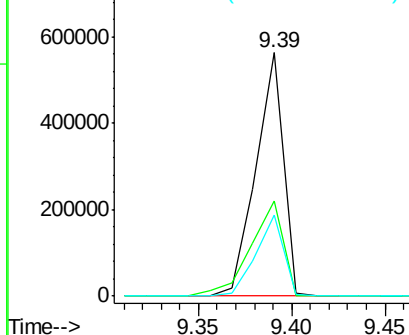
Lab File: BF084198.D

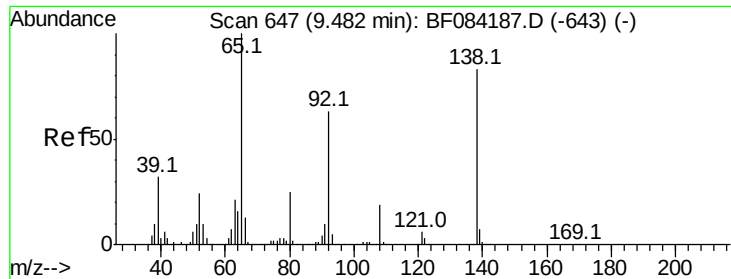
Acq: 31 Dec 2015 16:48

Tgt Ion:	162	Resp:	572266
Ion Ratio	Lower	Upper	
162	100		
127	38.8	40.2	60.4#
164	33.4	25.7	38.5



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: 15.74 ng

RT: 9.48 min Scan# 647

Delta R.T. 0.00 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Instrument :

BNA_F

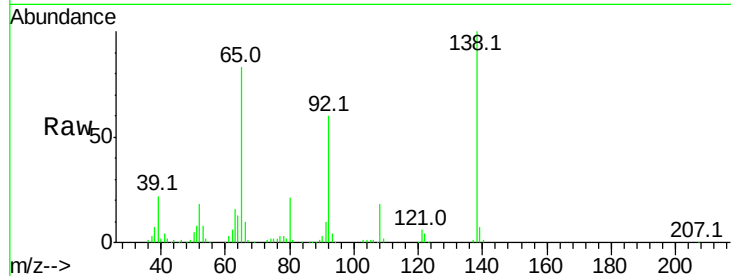
ClientSampleId :

LOQ-SOIL2016-02

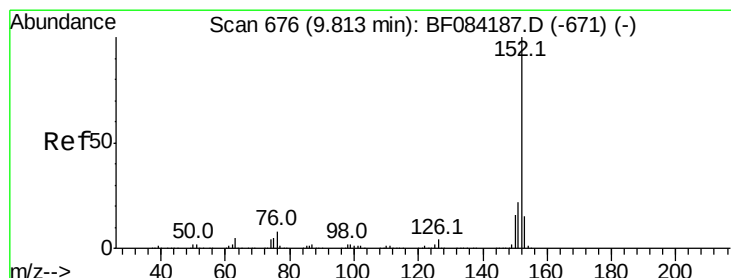
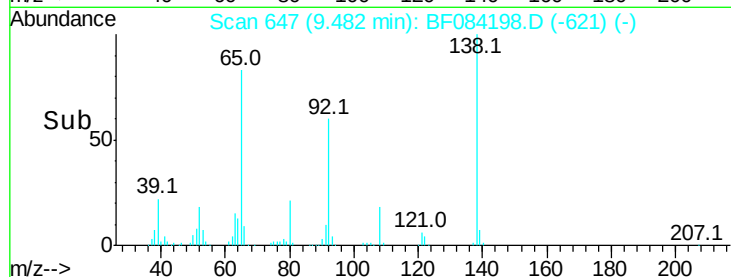
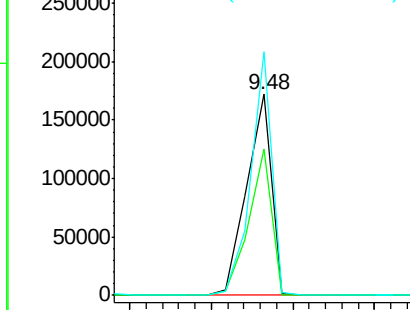
Tot Ion:	65	Resp:	180679
Ion Ratio	Lower	Upper	
65	100		
92	72.8	53.4	80.2
138	121.0	71.1	106.7#

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Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E



#48

Acenaphthylene

Concen: 17.46 ng

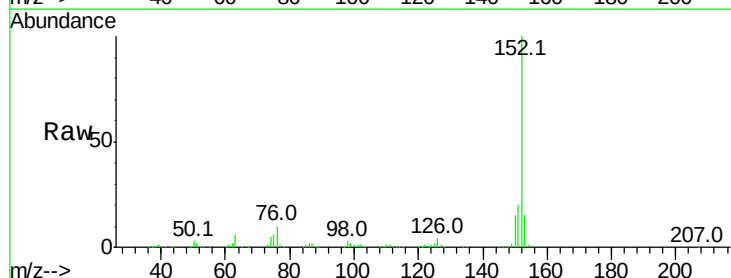
RT: 9.80 min Scan# 675

Delta R.T. -0.01 min

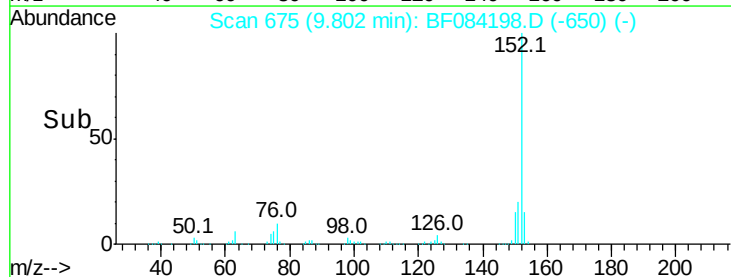
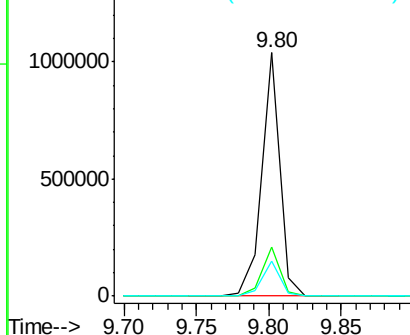
Lab File: BF084198.D

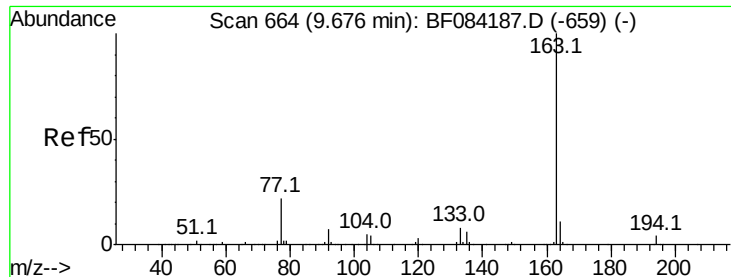
Acq: 31 Dec 2015 16:48

Tgt Ion:	152	Resp:	896964
Ion Ratio	Lower	Upper	
152	100		
151	20.3	16.3	24.5
153	14.6	10.4	15.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





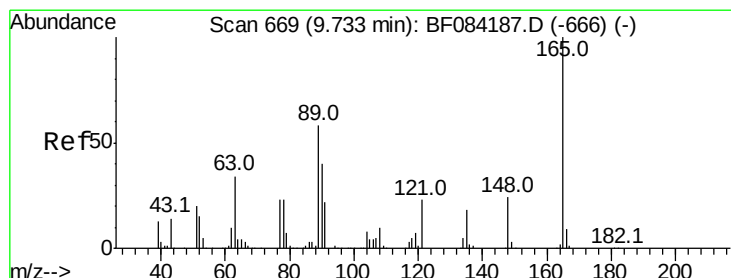
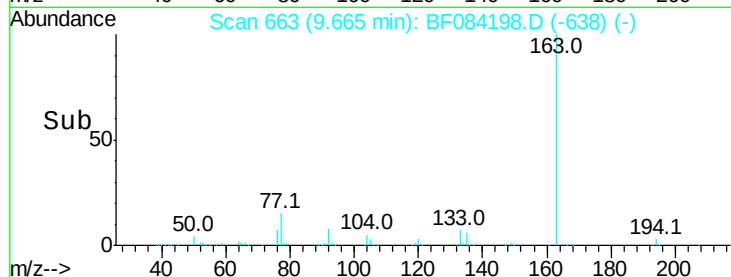
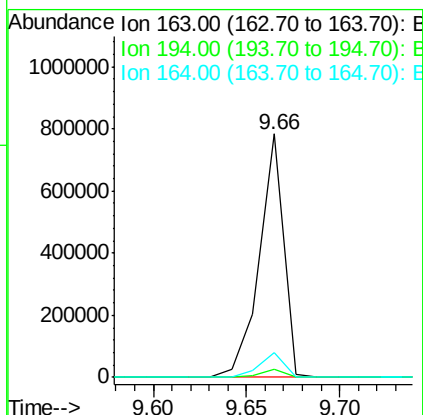
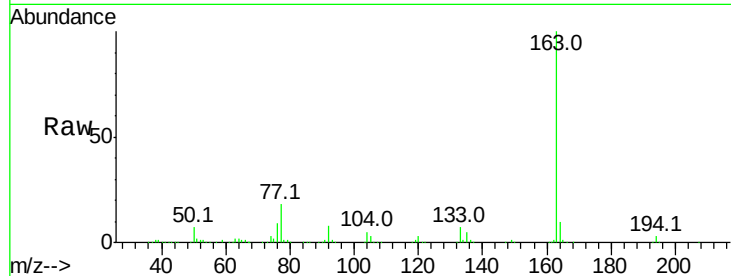
#49
Dimethylphthalate
Concen: 17.62 ng
RT: 9.66 min Scan# 663
Delta R.T. -0.01 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.4	8.0	12.0#
164	10.1	8.0	12.0

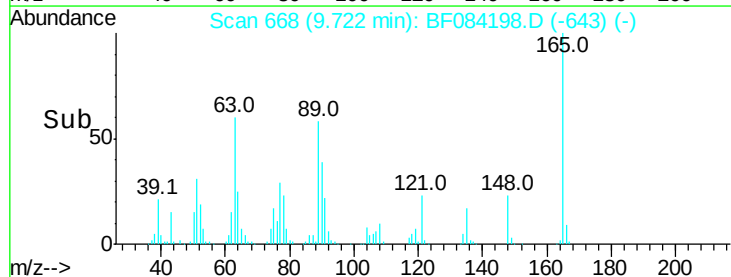
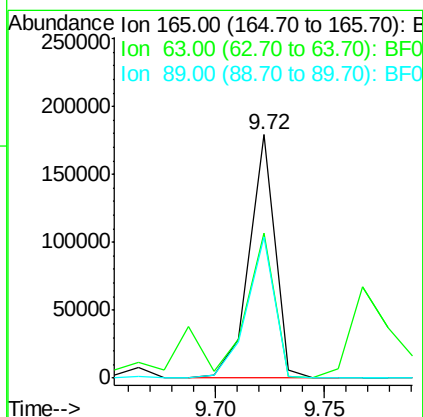
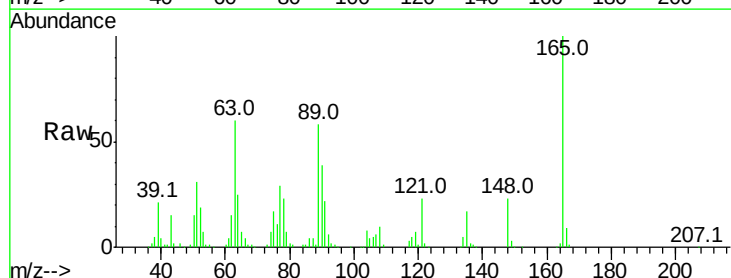
Manual Integrations
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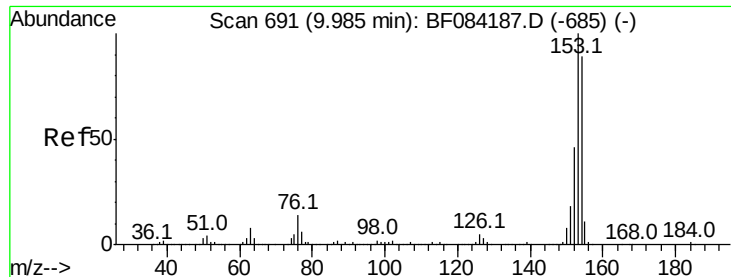
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1/4/2016 4:28:44 PM



#50
2,6-Dinitrotoluene
Concen: 16.96 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Tgt Ion	Ratio	Resp Lower	Upper
165	100		
63	59.8	28.8	43.2#
89	58.0	35.1	52.7#





#51

Acenaphthene

Concen: 16.46 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Instrument :

BNA_F

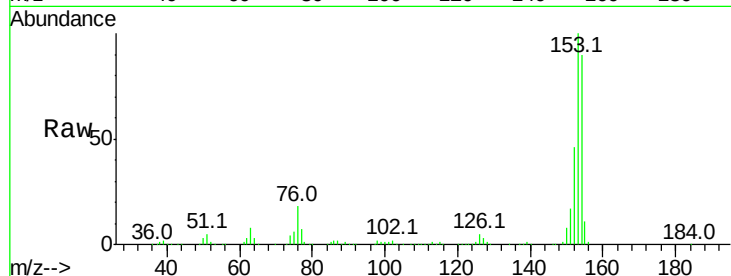
ClientSampleId :

LOQ-SOIL2016-02

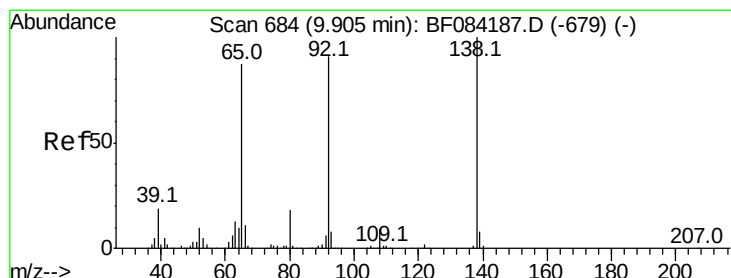
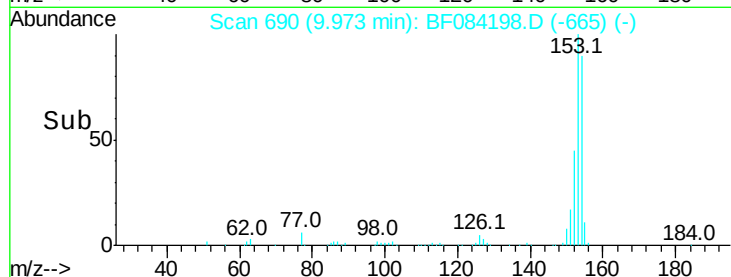
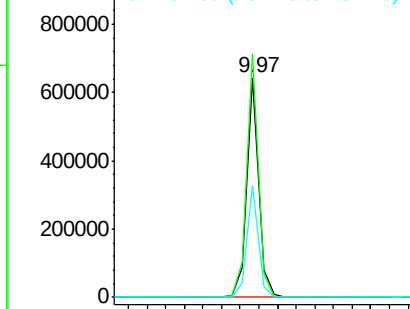
Tot Ion:	154	Resp:	567268
Ion Ratio	Lower	Upper	
154	100		
153	111.0	91.5	137.3
152	50.9	43.0	64.6

Manual Integrations
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1/4/2016 4:28:44 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 10.58 ng

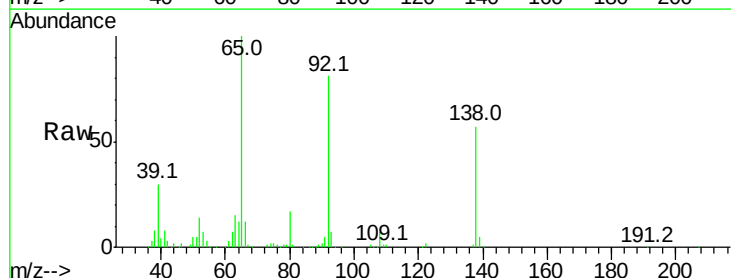
RT: 9.88 min Scan# 682

Delta R.T. -0.02 min

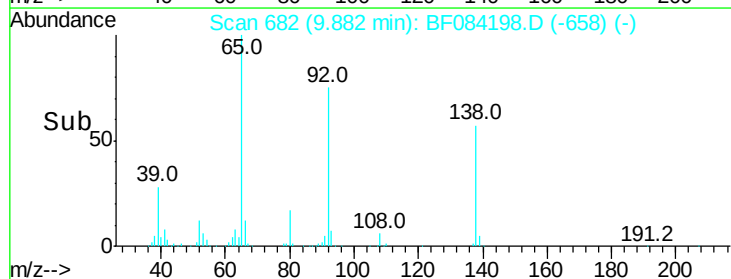
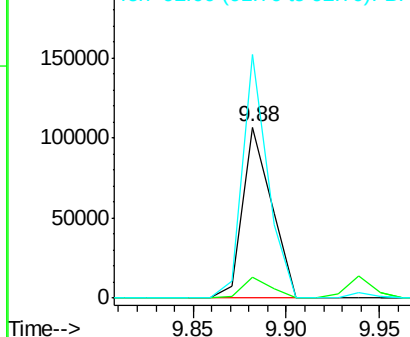
Lab File: BF084198.D

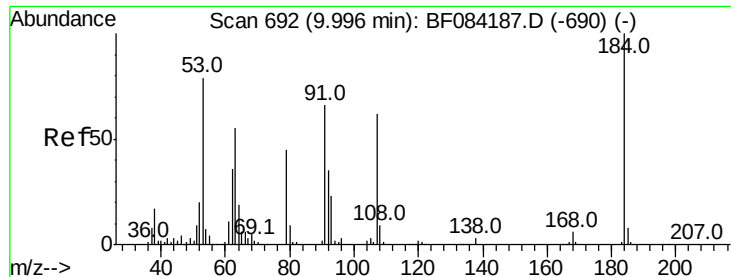
Acq: 31 Dec 2015 16:48

Tgt Ion:	138	Resp:	114542
Ion Ratio	Lower	Upper	
138	100		
108	12.3	10.5	15.7
92	142.7	103.9	155.9



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0





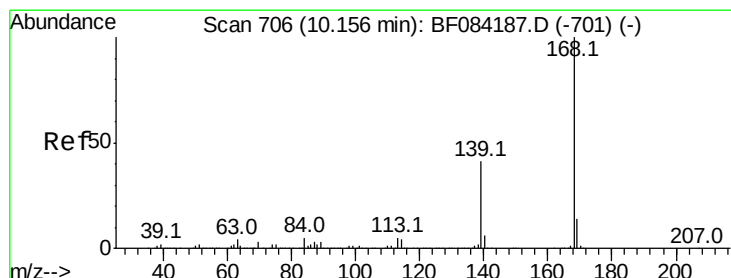
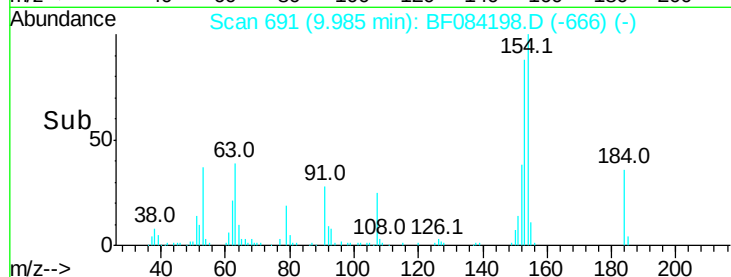
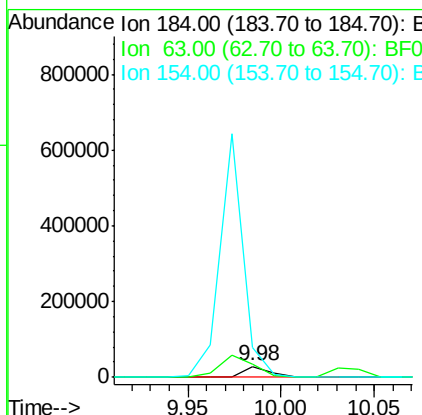
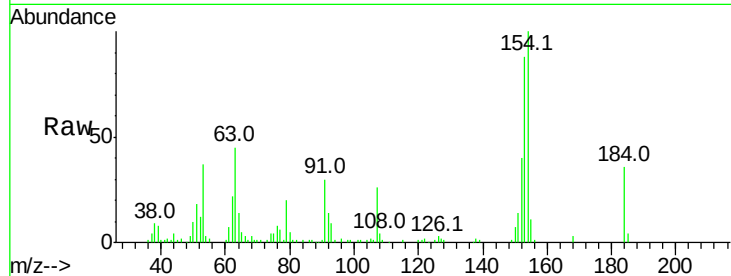
#53
 2,4-Dinitrophenol
 Concen: 11.01 ng
 RT: 9.98 min Scan# 691
 Delta R.T. -0.01 min
 Lab File: BF084198.D
 Acq: 31 Dec 2015 16:48

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tot Ion	Ratio	Lower	Upper
184	100		
63	126.6	43.1	64.7#
154	280.8	60.5	90.7#

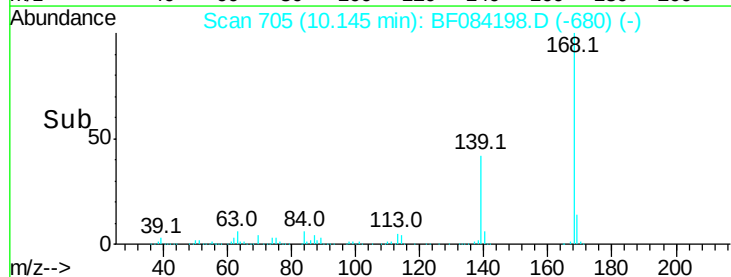
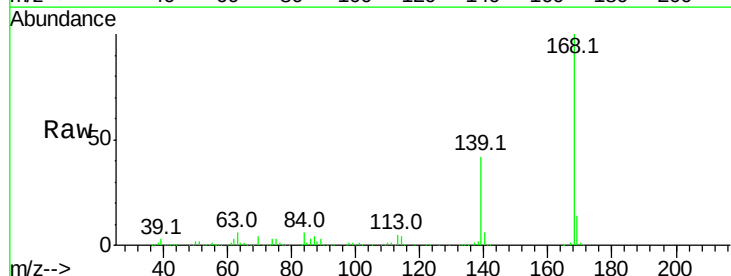
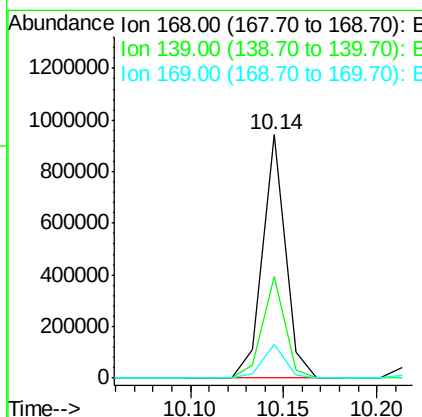
Manual Integrations
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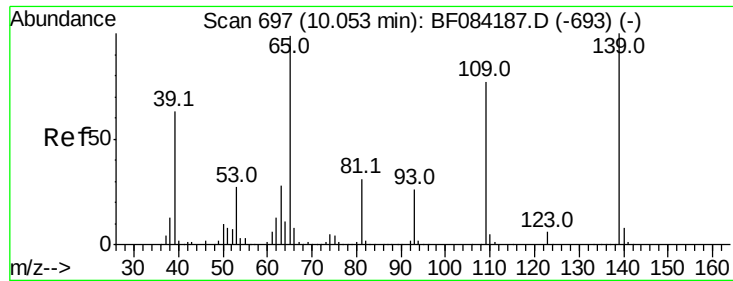
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 1/4/2016 4:28:44 PM



#54
 Dibenzofuran
 Concen: 15.92 ng
 RT: 10.14 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: BF084198.D
 Acq: 31 Dec 2015 16:48

Tgt Ion	Ratio	Lower	Upper
168	100		
139	41.5	30.5	45.7
169	13.9	10.4	15.6





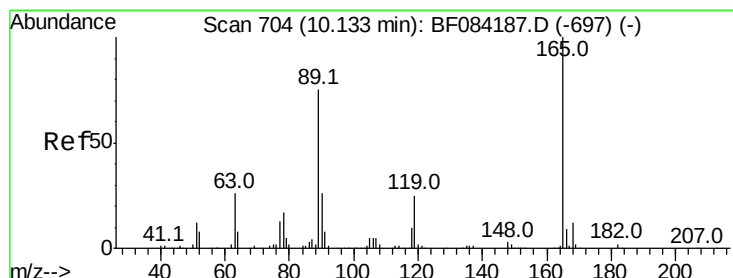
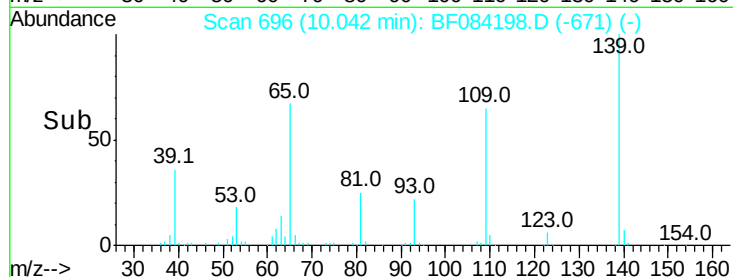
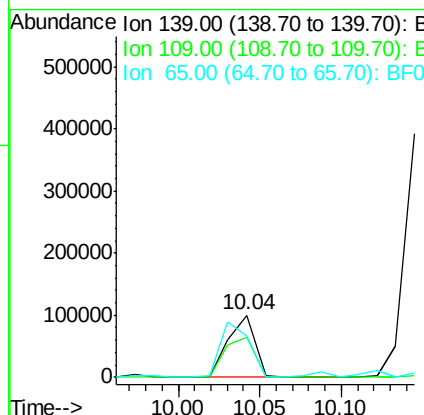
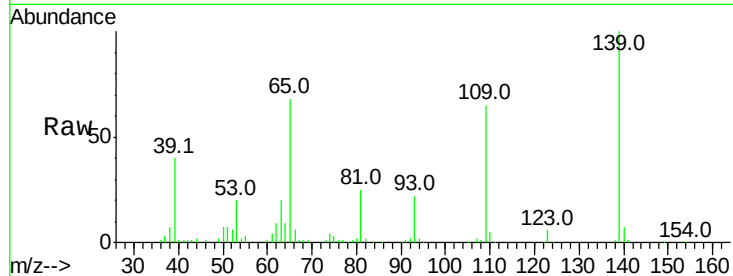
#55
4-Nitrophenol
Concen: 14.46 ng
RT: 10.04 min Scan# 696
Delta R.T. -0.01 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Resp	Lower	Upper
139	100	113597		
109	65.1	58.5	98.5	
65	67.7	57.6	97.6	

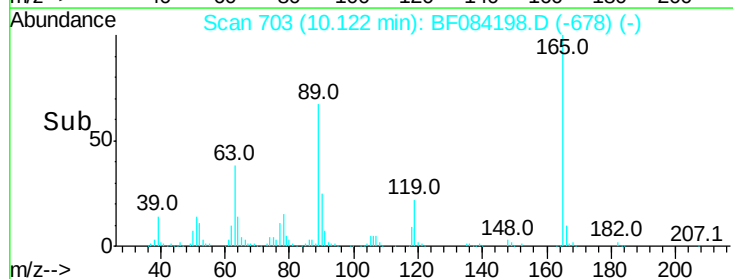
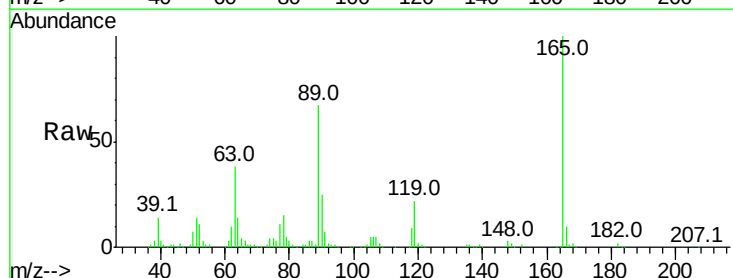
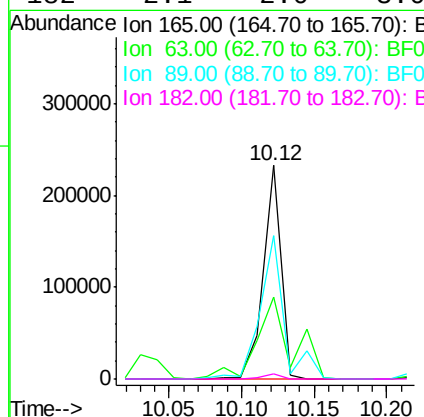
Manual Integrations
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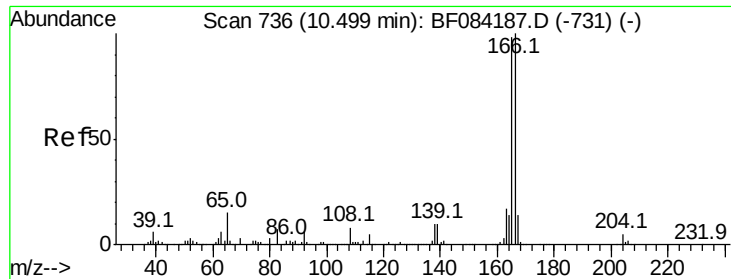
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1/4/2016 4:28:44 PM



#56
2,4-Dinitrotoluene
Concen: 17.82 ng
RT: 10.12 min Scan# 703
Delta R.T. -0.01 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	197056		
63	38.1	36.7	55.1	
89	67.3	61.9	92.9	
182	2.1	2.0	3.0	





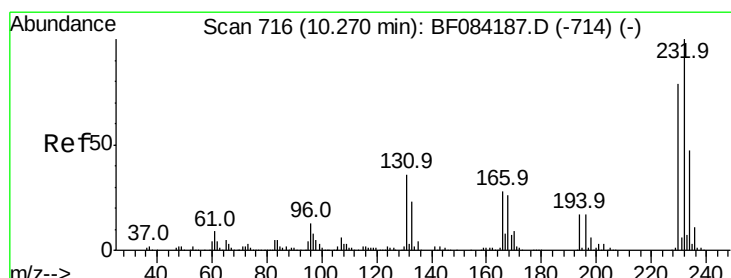
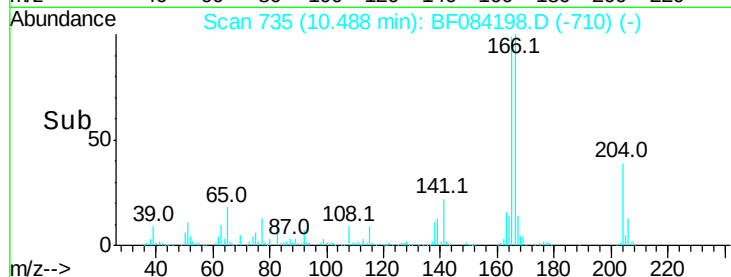
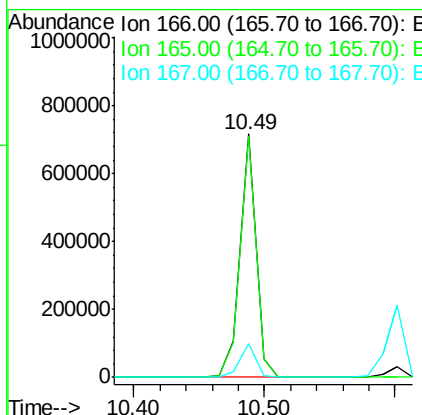
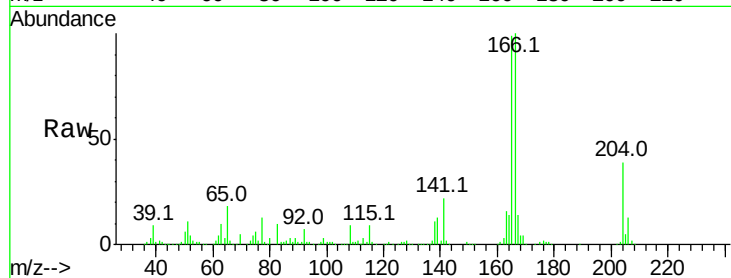
#57
Fluorene
Concen: 15.97 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.01 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Resp	Lower	Upper
166	100	604127		
165	99.0	79.1	118.7	
167	13.7	10.4	15.6	

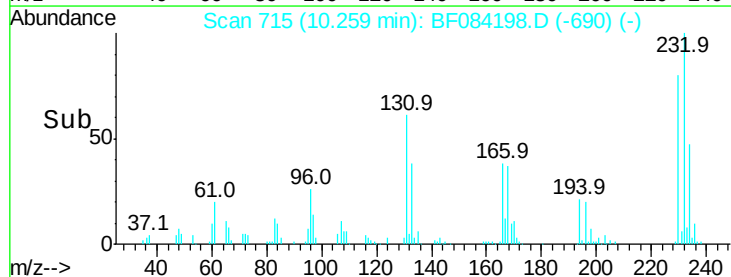
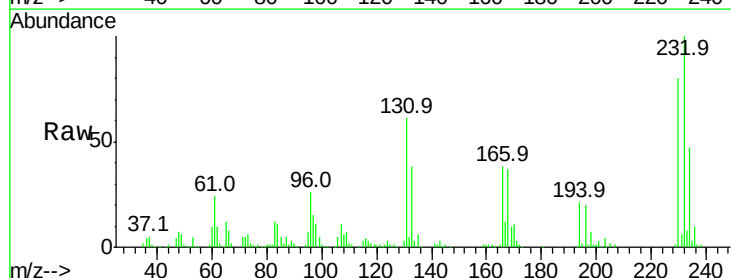
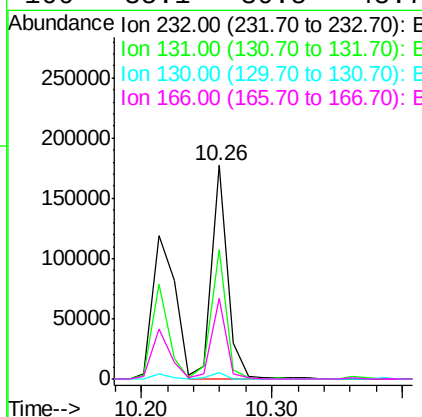
Manual Integrations
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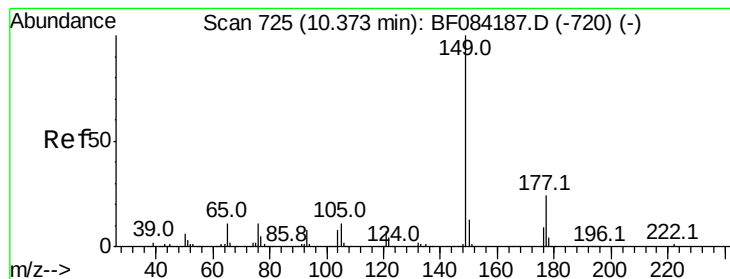
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#58
2,3,4,6-Tetrachlorophenol
Concen: 15.49 ng
RT: 10.26 min Scan# 715
Delta R.T. -0.01 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
232	100	151959		
131	58.0	47.0	70.6	
130	2.9	2.0	3.0	
166	35.1	30.5	45.7	





#59

Diethylphthalate

Concen: 15.95 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Instrument :

BNA_F

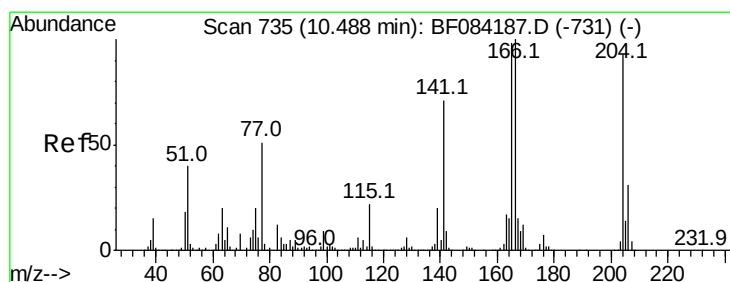
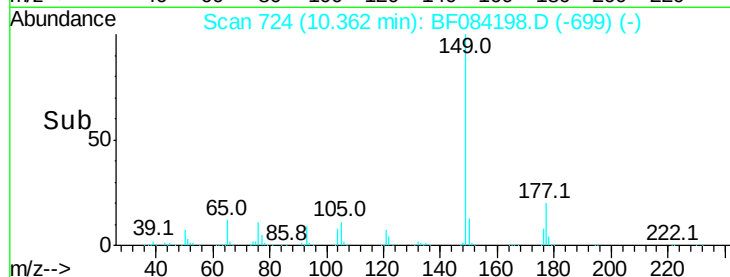
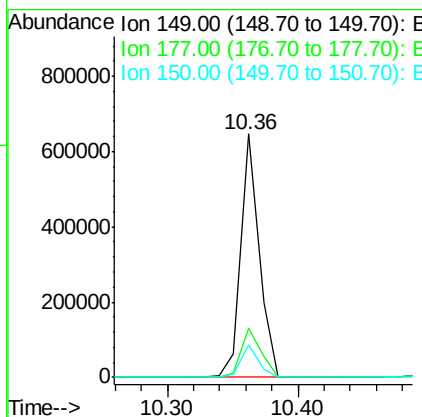
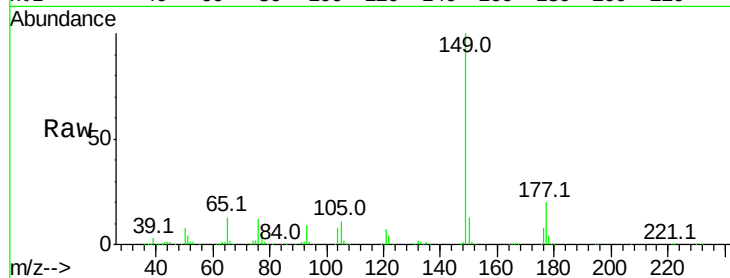
ClientSampleId :

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Tot Ion:	149	Resp:	626364
Ion Ratio	Lower	Upper	
149	100		
177	20.3	17.3	25.9
150	13.2	9.8	14.8

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1/4/2016 4:28:44 PM



#60

4-Chlorophenyl-phenylether

Concen: 13.65 ng

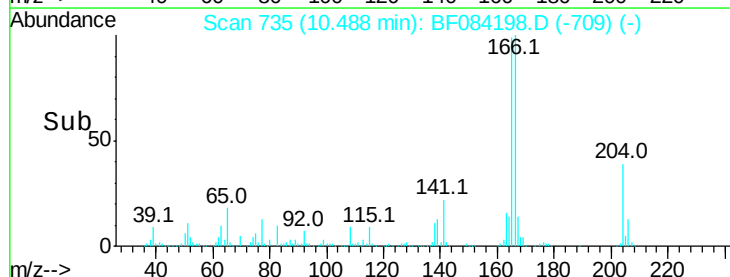
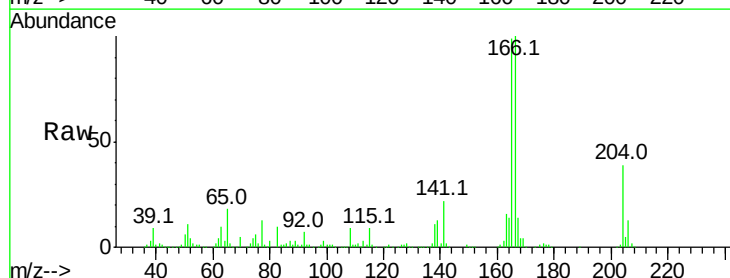
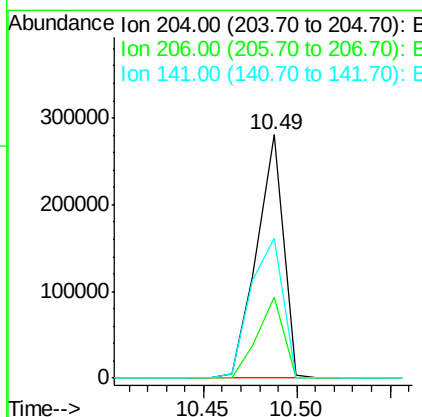
RT: 10.49 min Scan# 735

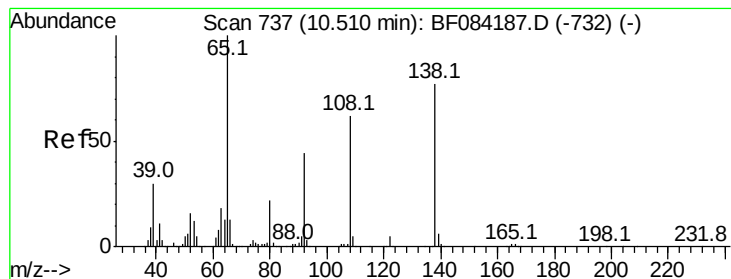
Delta R.T. 0.00 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Tgt Ion:	204	Resp:	279100
Ion Ratio	Lower	Upper	
204	100		
206	33.2	25.7	38.5
141	57.5	55.1	82.7





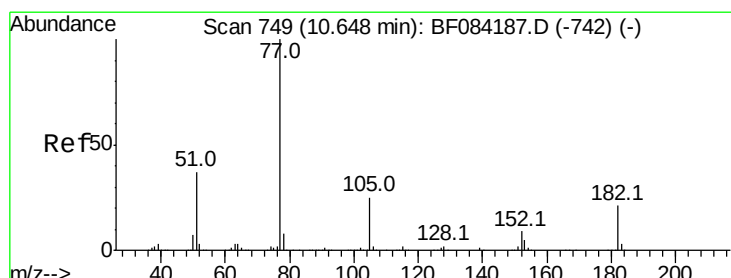
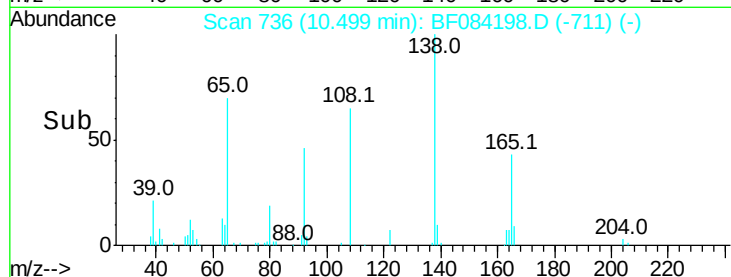
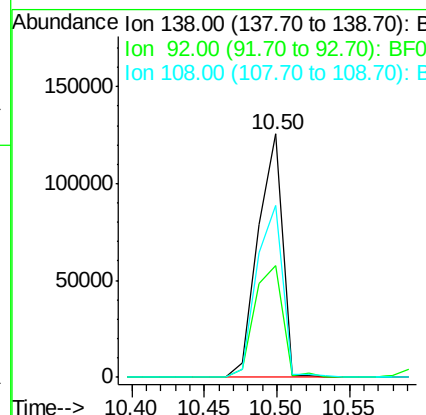
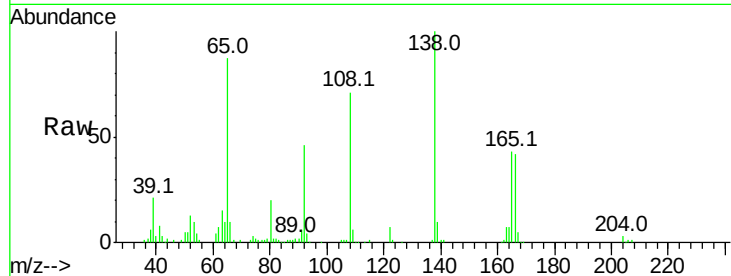
#61
4-Nitroaniline
Concen: 15.20 ng
RT: 10.50 min Scan# 736
Delta R.T. -0.01 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
138	100		
92	45.9	32.6	72.6
108	70.5	68.6	108.6

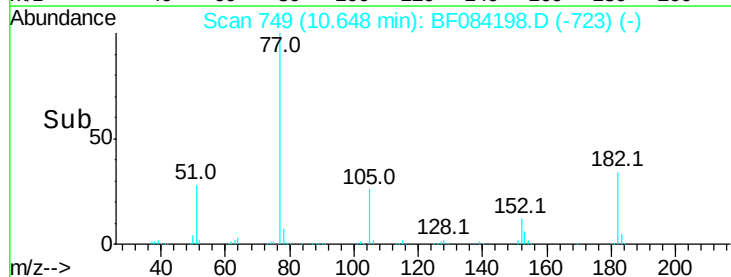
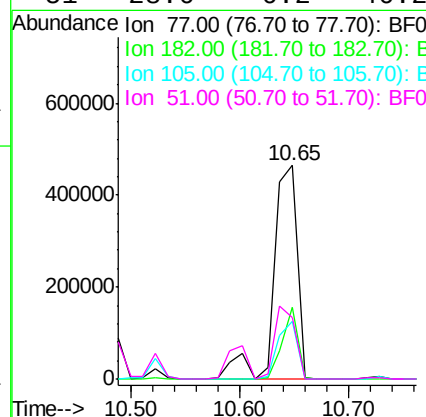
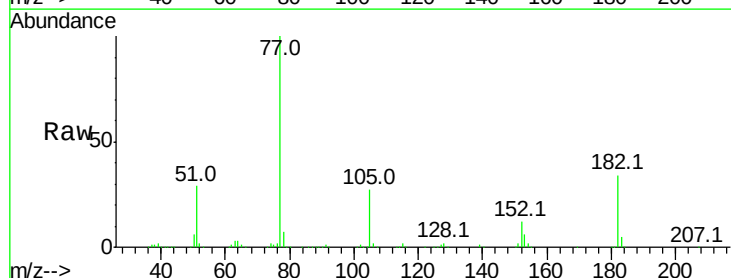
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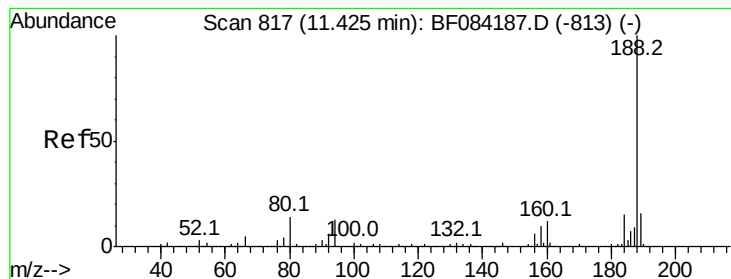
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1/4/2016 4:28:44 PM



#62
Azobenzene
Concen: 16.26 ng
RT: 10.65 min Scan# 749
Delta R.T. 0.00 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Tgt Ion	Ratio	Lower	Upper
77	100		
182	33.9	8.3	48.3
105	27.2	4.6	44.6
51	28.6	6.2	46.2





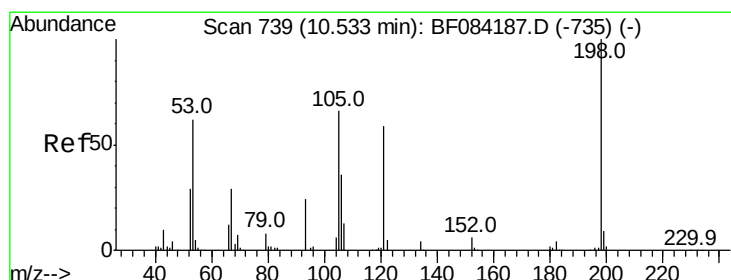
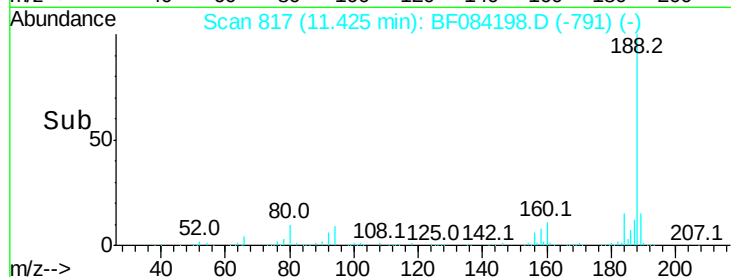
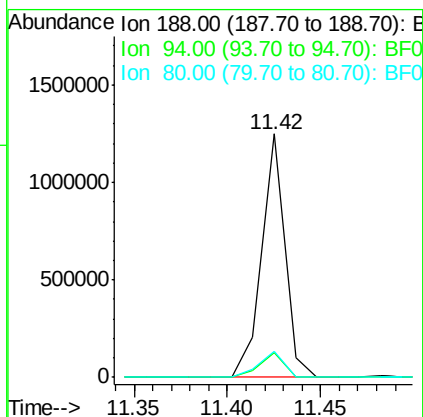
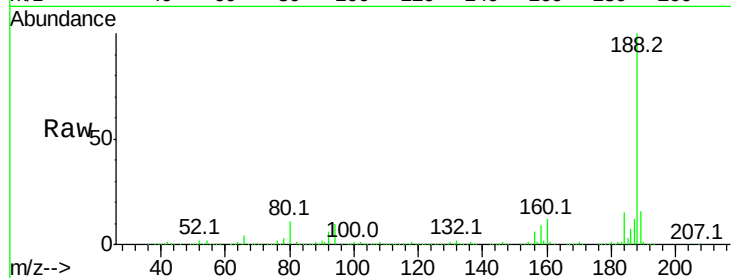
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.0	13.4
80	10.5	9.6	14.4

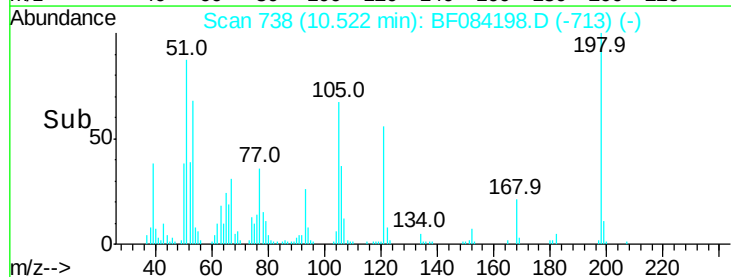
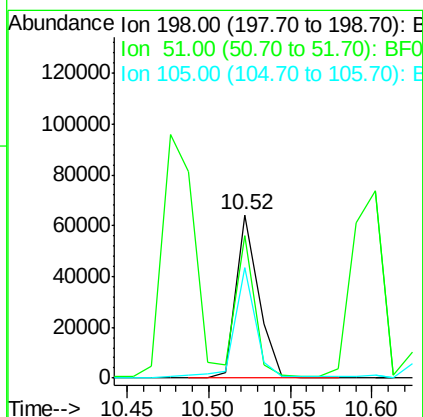
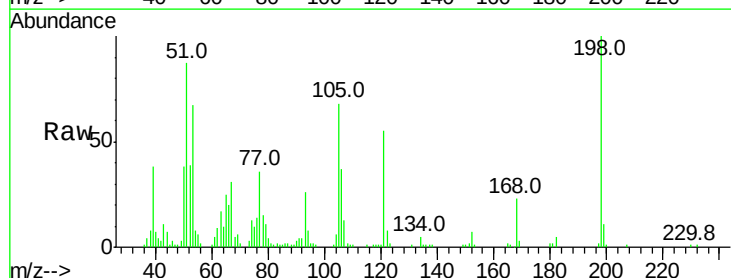
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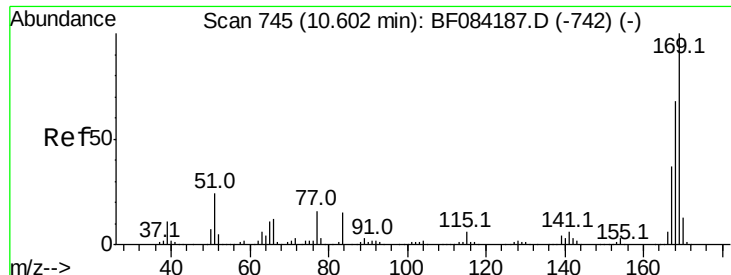
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1/4/2016 4:28:44 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 13.38 ng
RT: 10.52 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Tgt Ion	Ratio	Lower	Upper
198	100		
51	87.4	18.9	58.9#
105	67.8	26.4	66.4#





#65

n-Nitrosodiphenylamine

Concen: 16.08 ng

RT: 10.60 min Scan# 745

Delta R.T. 0.00 min

Lab File: BF084198.D

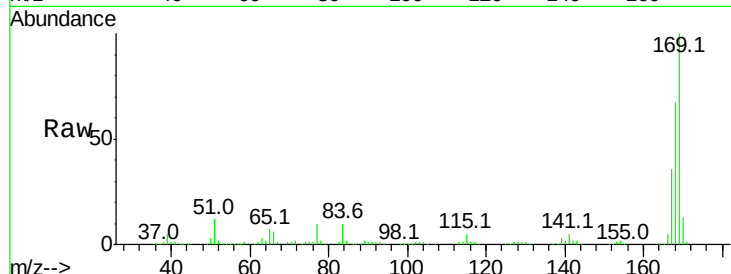
Acq: 31 Dec 2015 16:48

Instrument :

BNA_F

ClientSampleId :

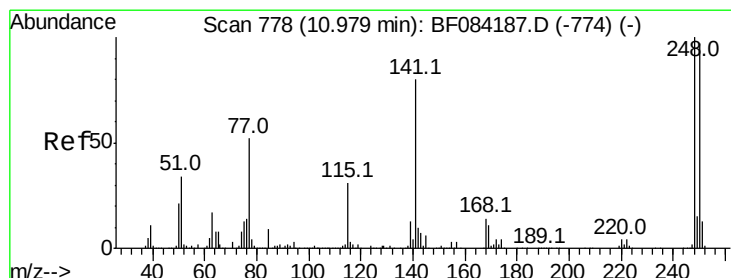
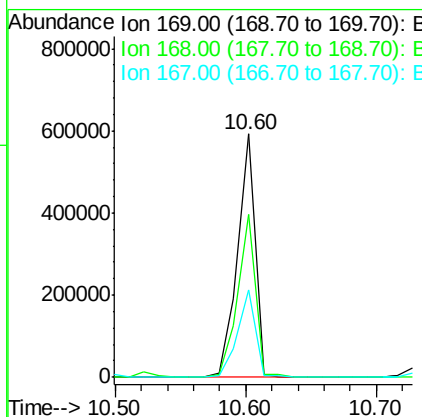
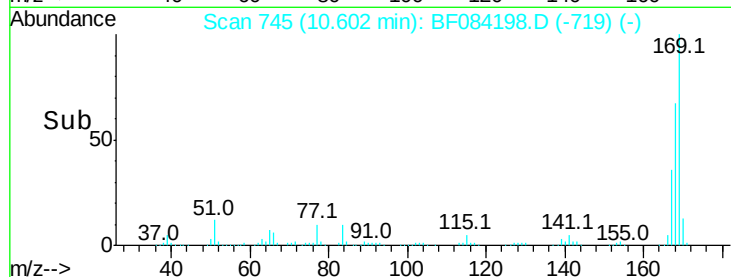
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Tot Ion:	169	Resp:	550987
Ion Ratio	Lower	Upper	
169	100		
168	67.1	55.1	82.7
167	36.1	30.0	45.0

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#66

4-Bromophenyl-phenylether

Concen: 15.01 ng

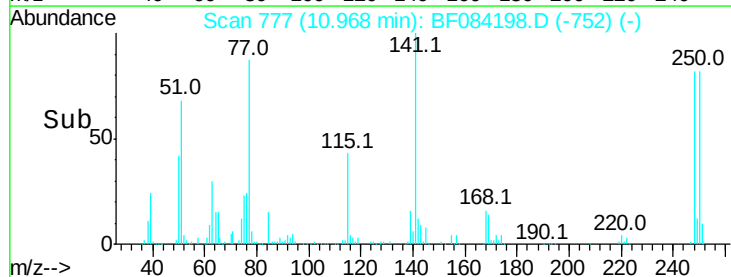
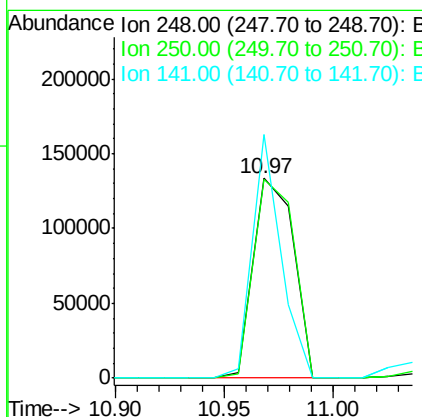
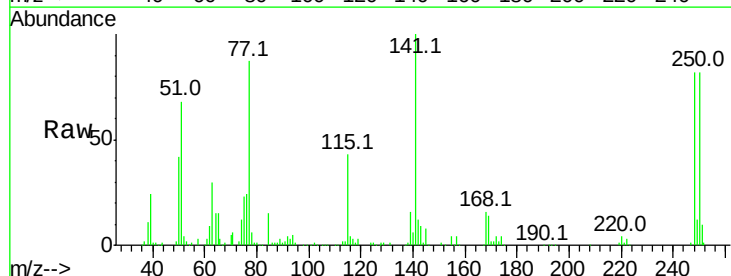
RT: 10.97 min Scan# 777

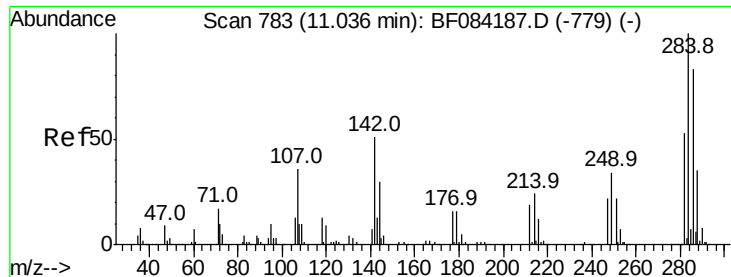
Delta R.T. -0.01 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Tgt Ion:	248	Resp:	173133
Ion Ratio	Lower	Upper	
248	100		
250	99.7	78.4	117.6
141	121.9	44.0	66.0#





#67

Hexachlorobenzene

Concen: 15.82 ng

RT: 11.04 min Scan# 783

Delta R.T. 0.00 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Instrument :

BNA_F

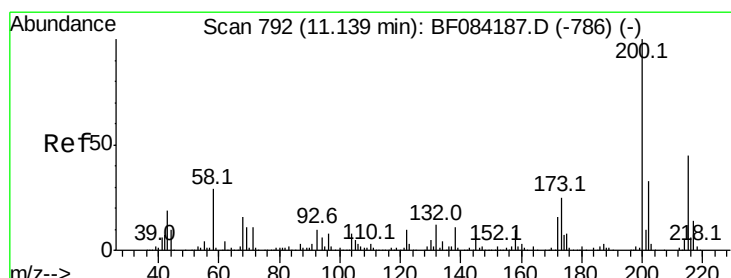
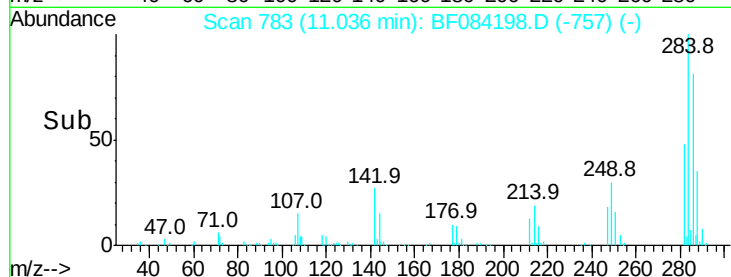
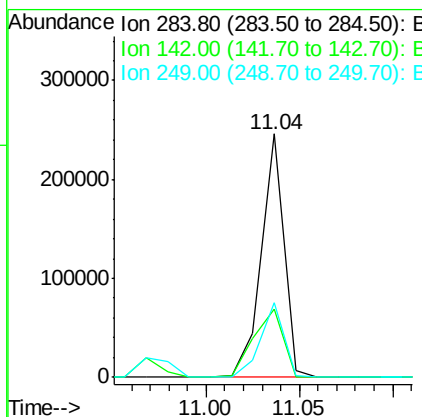
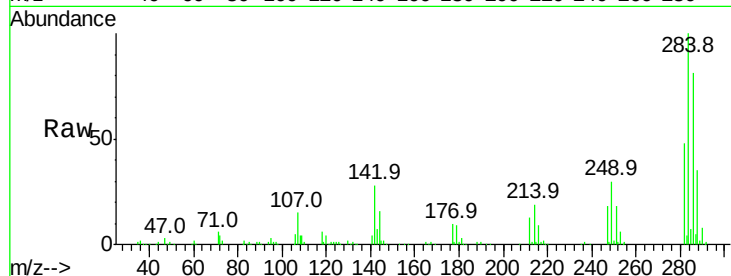
ClientSampleId :

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Tot Ion:	284	Resp:	205384
Ion Ratio	Lower	Upper	
284	100		
142	28.2	22.2	33.4
249	30.4	24.6	37.0

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1/4/2016 4:28:44 PM



#68

Atrazine

Concen: 18.05 ng

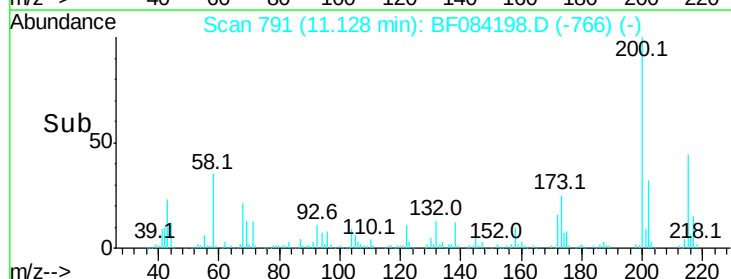
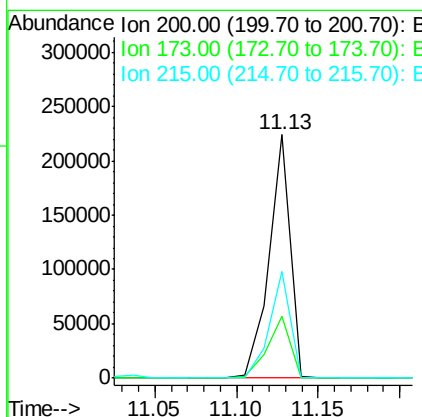
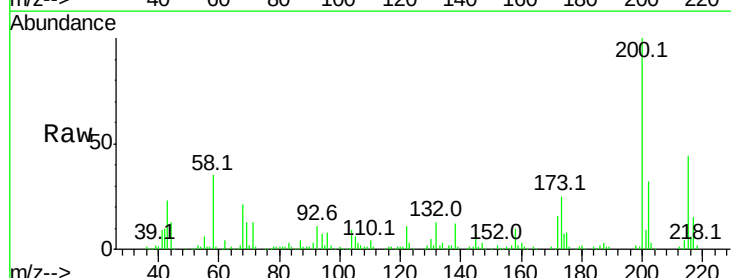
RT: 11.13 min Scan# 791

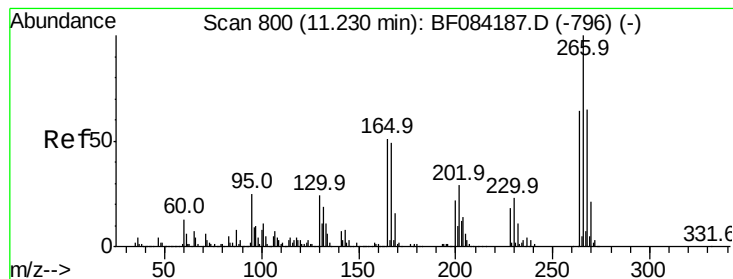
Delta R.T. -0.01 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Tgt Ion:	200	Resp:	202413
Ion Ratio	Lower	Upper	
200	100		
173	25.4	9.5	49.5
215	43.6	23.8	63.8





#69

Pentachlorophenol

Concen: 11.93 ng

RT: 11.23 min Scan# 800

Delta R.T. 0.00 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Instrument :

BNA_F

ClientSampleId :

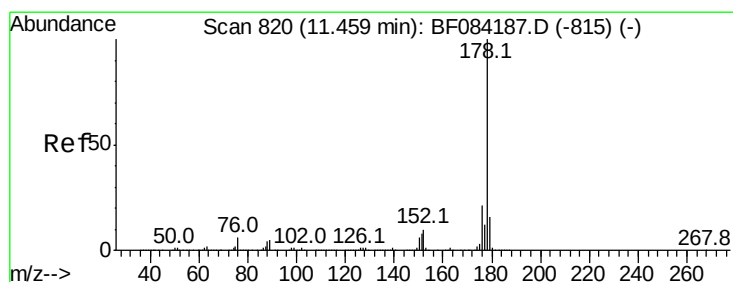
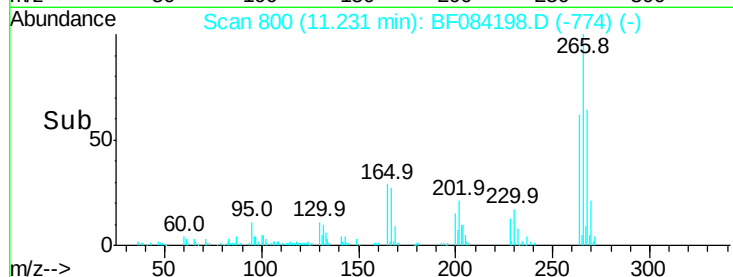
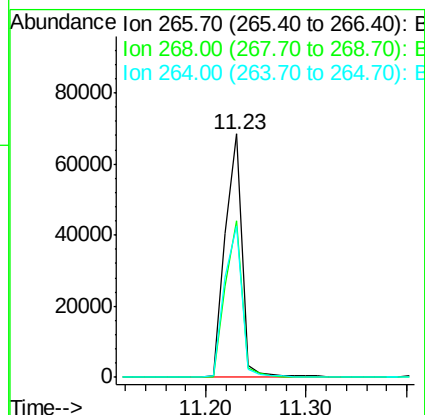
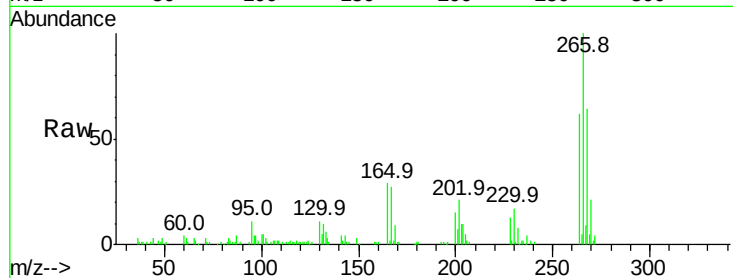
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Tot Ion:	266	Resp:	80310
Ion Ratio	Lower	Upper	
266	100		
268	64.2	52.4	78.6
264	62.2	50.2	75.2

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1/4/2016 4:28:44 PM



#70

Phenanthrene

Concen: 17.07 ng

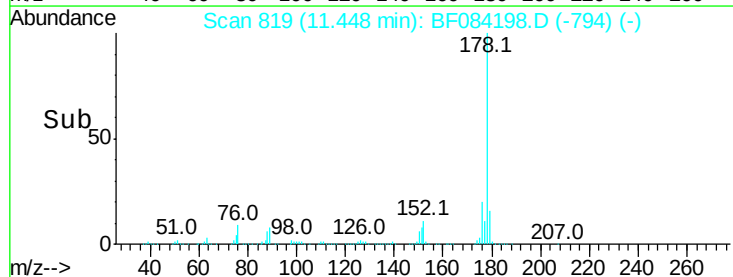
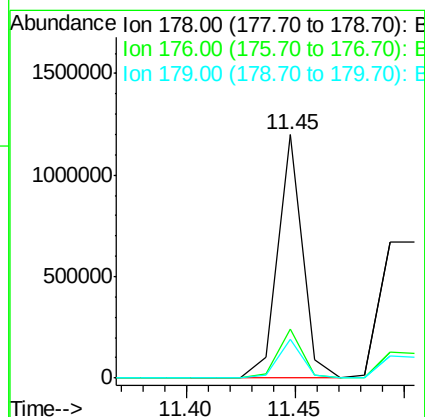
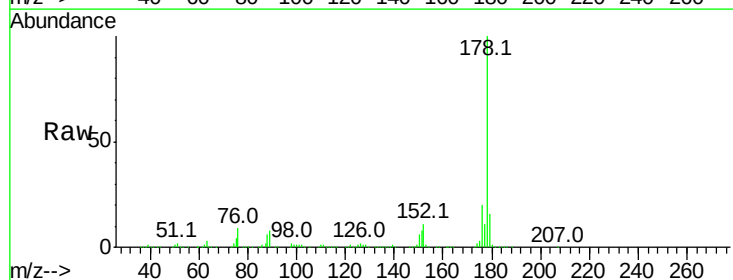
RT: 11.45 min Scan# 819

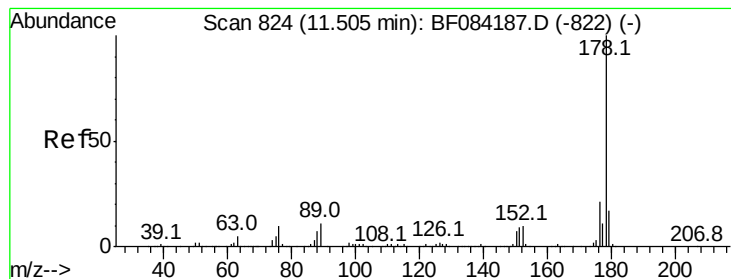
Delta R.T. -0.01 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Tgt Ion:	178	Resp:	956817
Ion Ratio	Lower	Upper	
178	100		
176	20.0	15.3	22.9
179	15.7	12.0	18.0





#71

Anthracene

Concen: 17.02 ng

RT: 11.50 min Scan# 824

Delta R.T. 0.00 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Instrument :

BNA_F

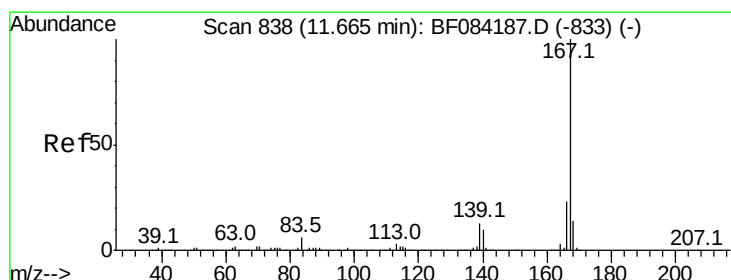
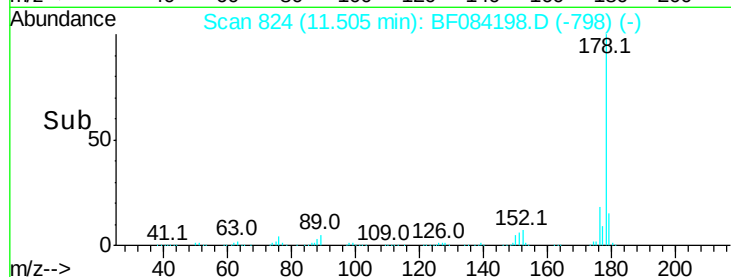
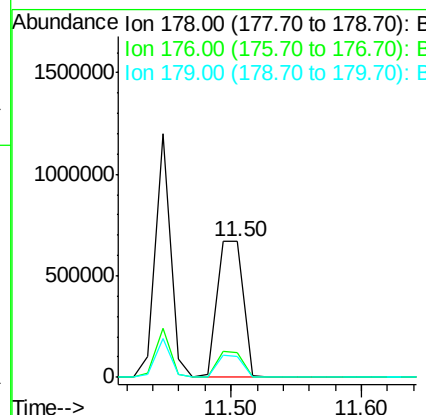
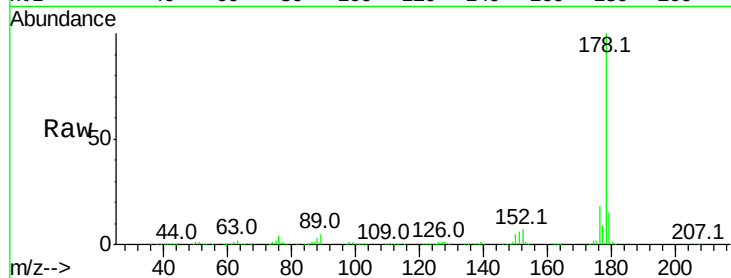
ClientSampleId :

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Tot Ion:	178	Resp:	935121
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.4	23.0
179	15.1	12.5	18.7

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1/4/2016 4:28:44 PM



#72

Carbazole

Concen: 16.43 ng

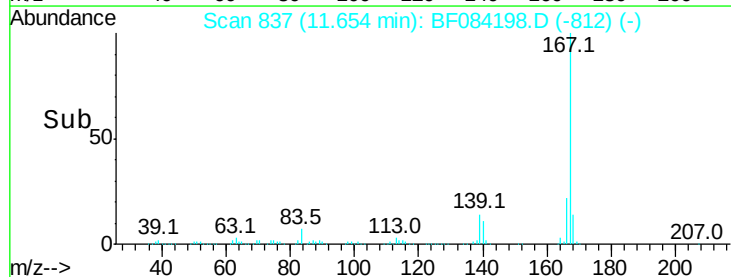
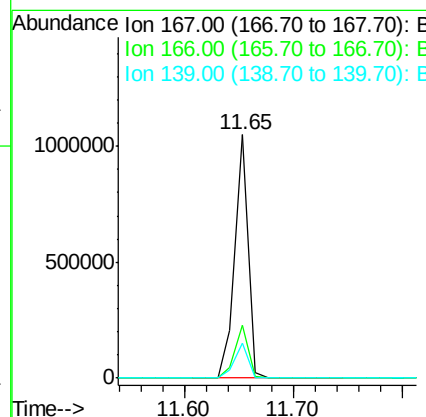
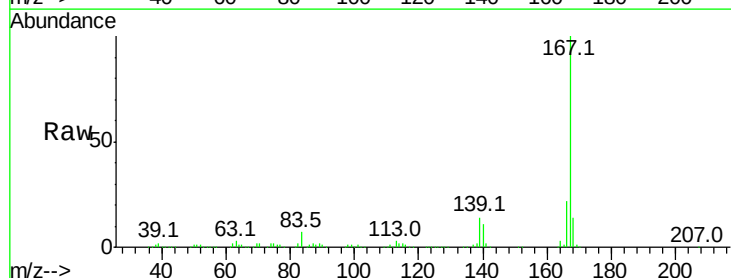
RT: 11.65 min Scan# 837

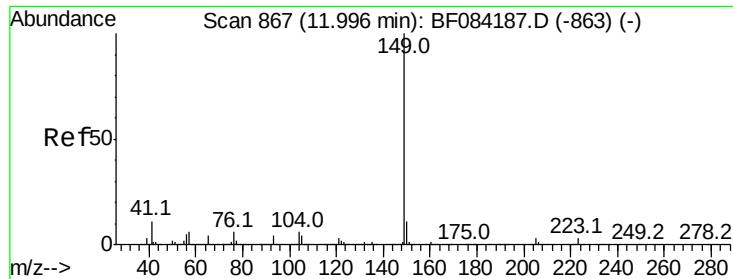
Delta R.T. -0.01 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Tgt Ion:	167	Resp:	882622
Ion Ratio	Lower	Upper	
167	100		
166	22.0	17.6	26.4
139	14.3	11.8	17.8





#73

Di-n-butylphthalate

Concen: 13.81 ng

RT: 12.00 min Scan# 867

Delta R.T. 0.00 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Instrument :

BNA_F

ClientSampleId :

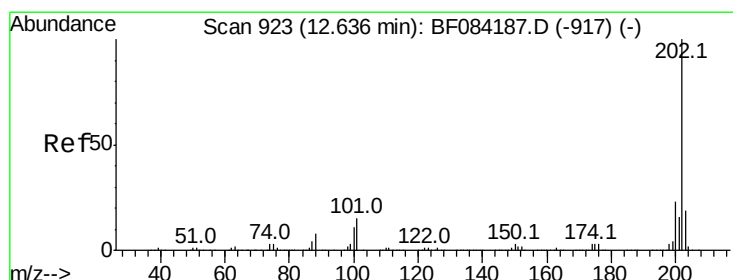
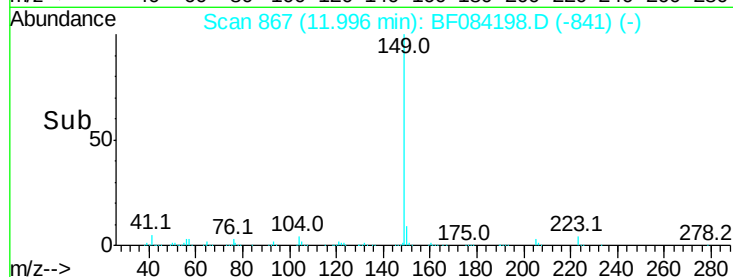
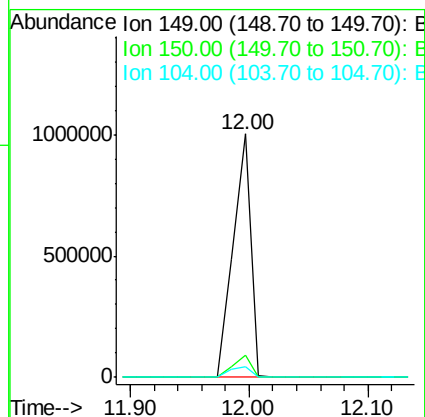
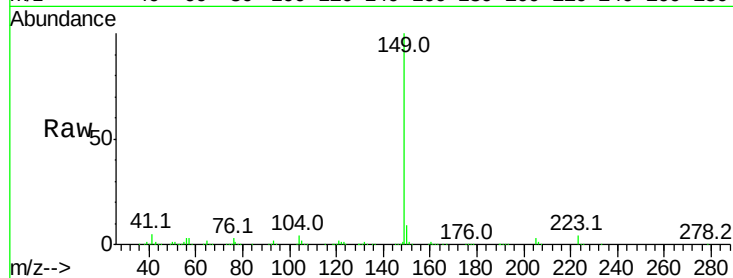
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Tot Ion:149	Resp: 1030307
Ion Ratio	Lower Upper
149 100	
150 8.9	7.1 10.7
104 4.3	3.2 4.8



#74

Fluoranthene

Concen: 16.87 ng

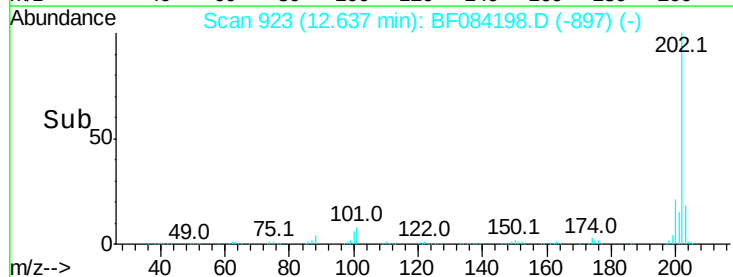
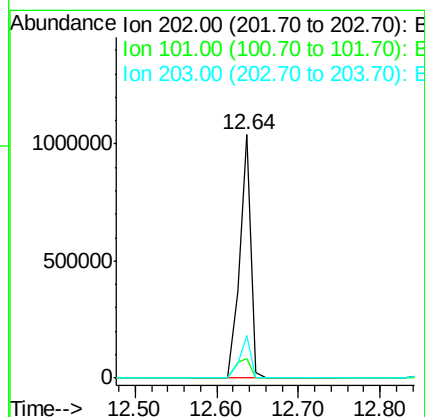
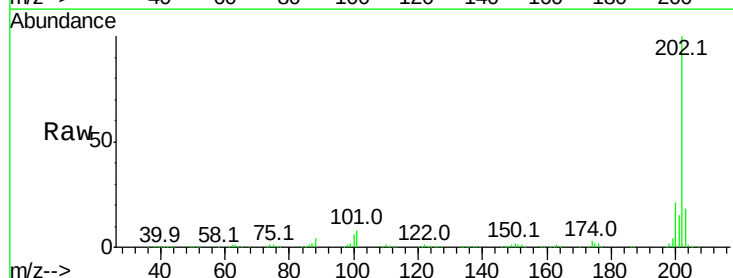
RT: 12.64 min Scan# 923

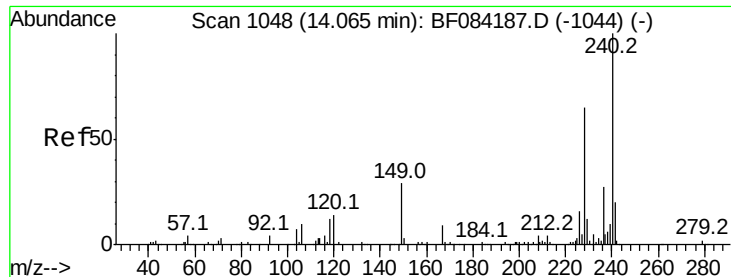
Delta R.T. 0.00 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Tgt Ion:202	Resp: 987657
Ion Ratio	Lower Upper
202 100	
101 8.2	0.0 32.8
203 17.6	0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 1048

Delta R.T. 0.00 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Instrument :

BNA_F

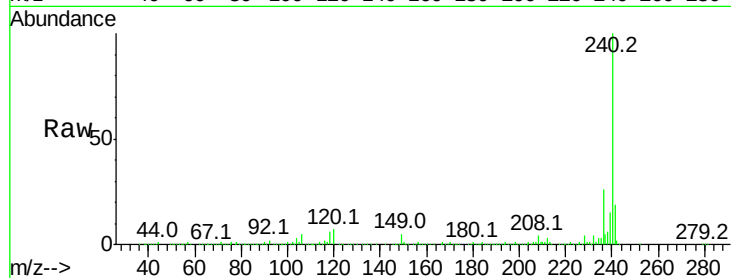
ClientSampleId :

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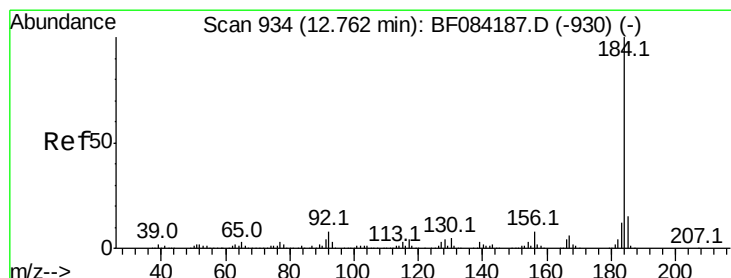
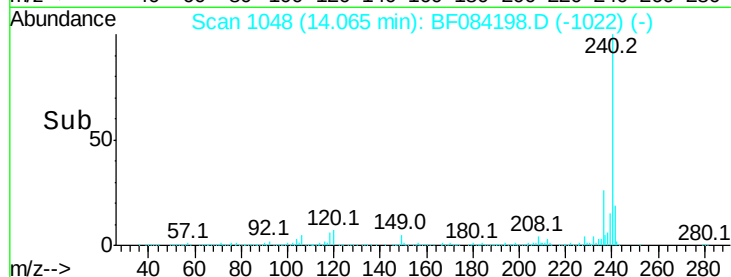
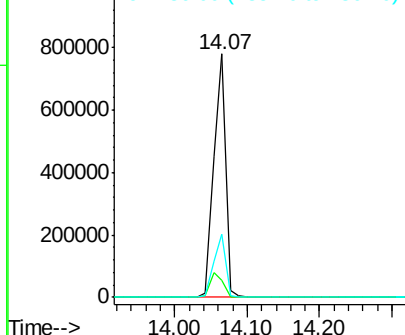
Tot Ion:	240	Resp:	877246
Ion Ratio	Lower	Upper	
240	100		
120	6.9	9.5	14.3#
236	25.7	20.6	31.0

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1/4/2016 4:28:44 PM



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 8.11 ng

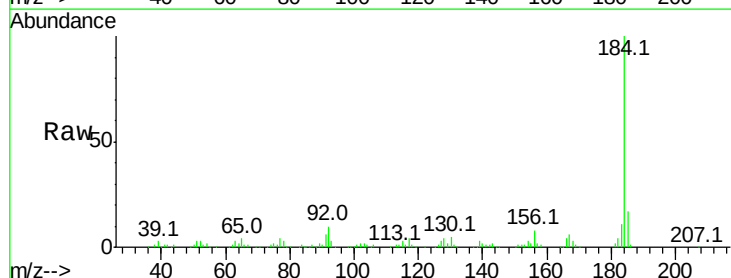
RT: 12.75 min Scan# 933

Delta R.T. -0.01 min

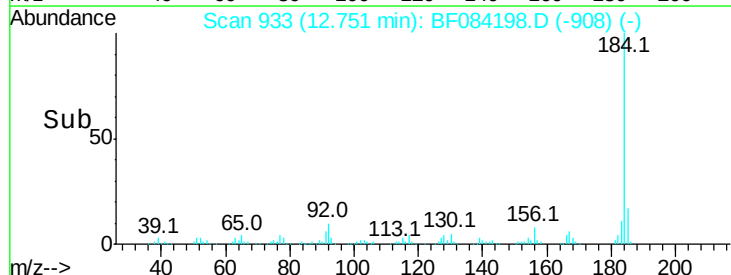
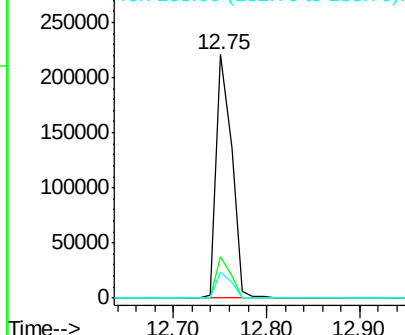
Lab File: BF084198.D

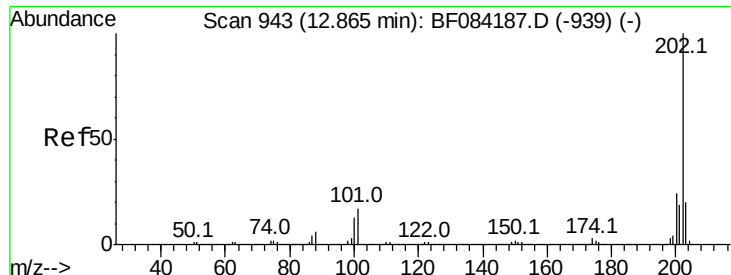
Acq: 31 Dec 2015 16:48

Tgt Ion:	184	Resp:	255066
Ion Ratio	Lower	Upper	
184	100		
185	16.9	12.2	18.2
183	10.8	9.8	14.8



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





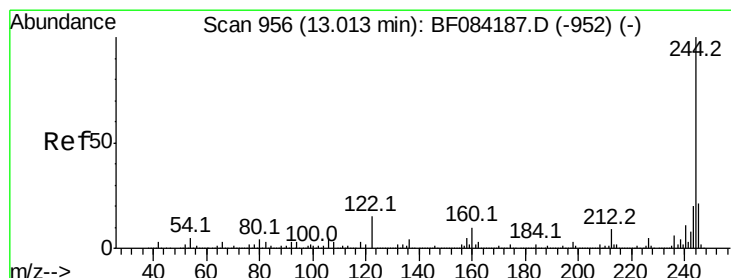
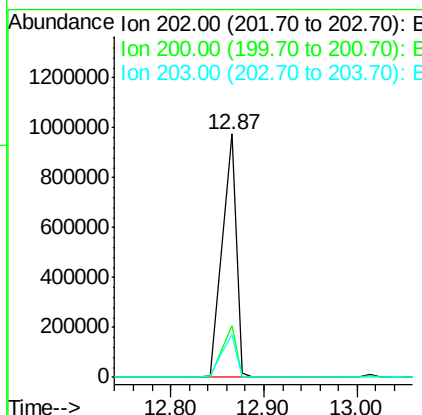
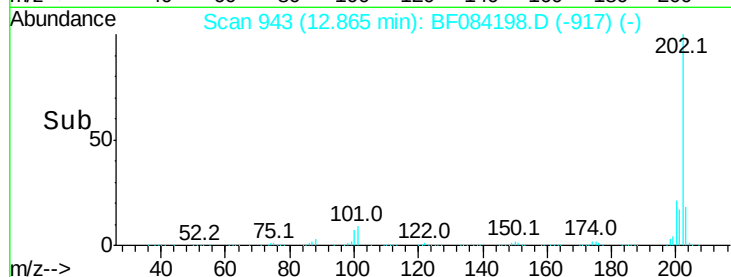
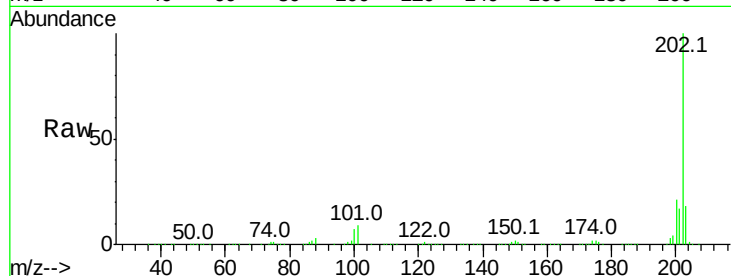
#77
Pvrene
Concen: 14.66 ng
RT: 12.87 min Scan# 943
Delta R.T. 0.00 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.2	25.8
203	17.6	14.3	21.5

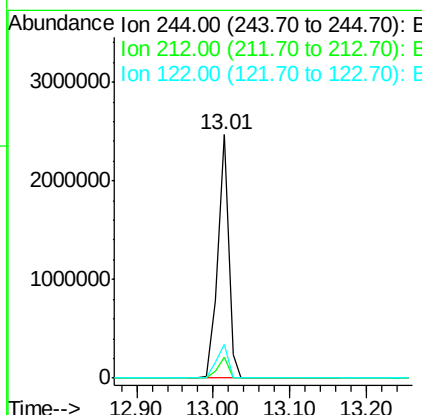
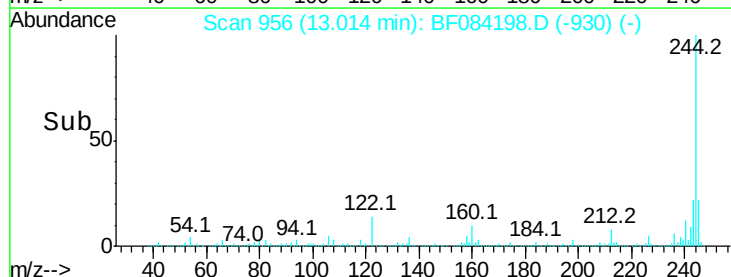
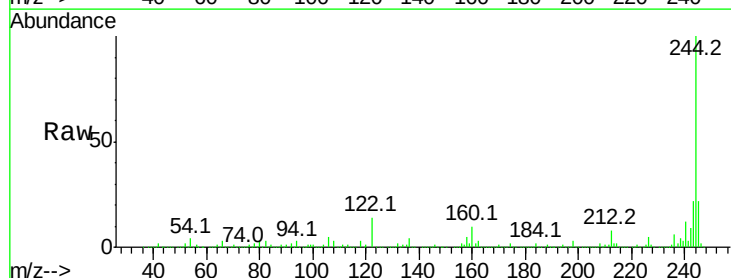
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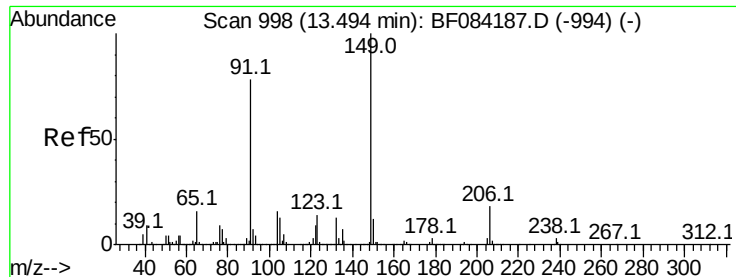
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1/4/2016 4:28:44 PM



#78
Terphenyl-d14
Concen: 61.25 ng
RT: 13.01 min Scan# 956
Delta R.T. 0.00 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.4	5.7	8.5
122	14.0	7.4	11.0





#79

Butylbenzylphthalate

Concen: 14.23 ng

RT: 13.49 min Scan# 998

Delta R.T. 0.00 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL2016-02

Tot Ion:149 Resp: 423760

Ion Ratio Lower Upper

149 100

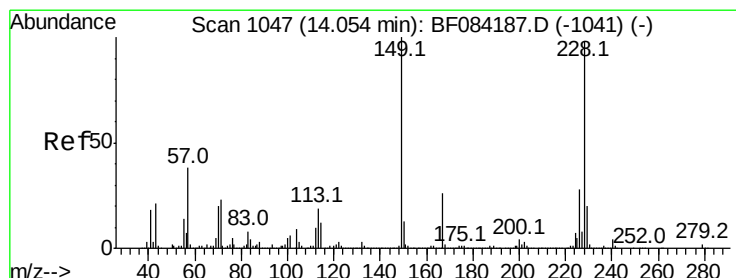
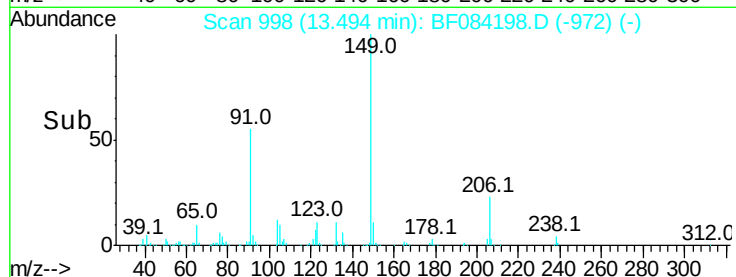
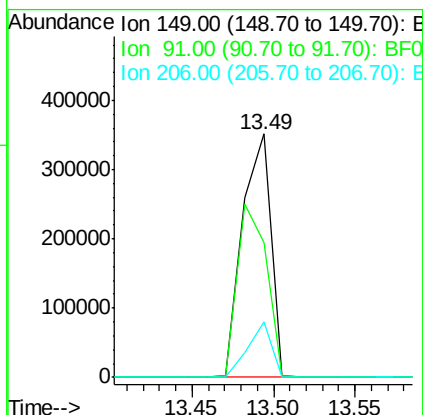
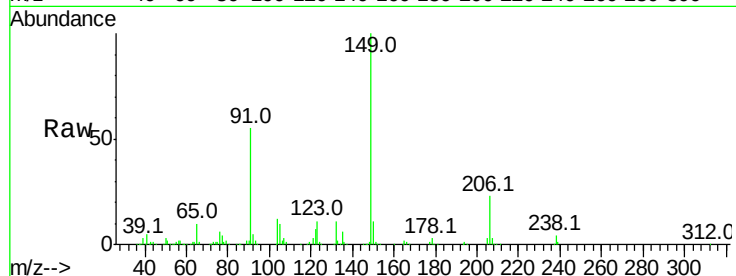
91 55.2 57.6 86.4#

206 22.9 13.2 19.8#

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1/4/2016 4:28:44 PM



#80

Benzo(a)anthracene

Concen: 14.97 ng

RT: 14.05 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BF084198.D

Acq: 31 Dec 2015 16:48

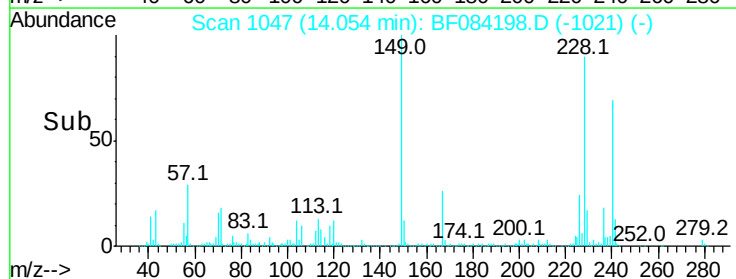
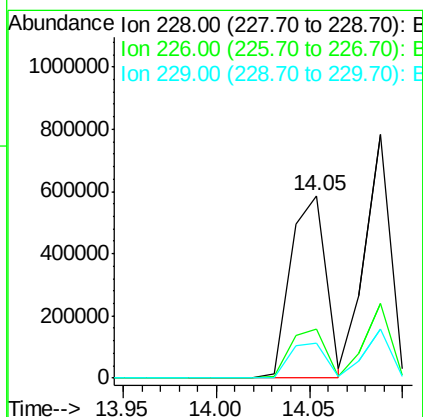
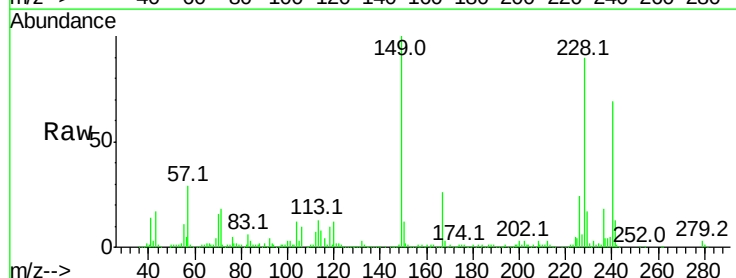
Tgt Ion:228 Resp: 771020

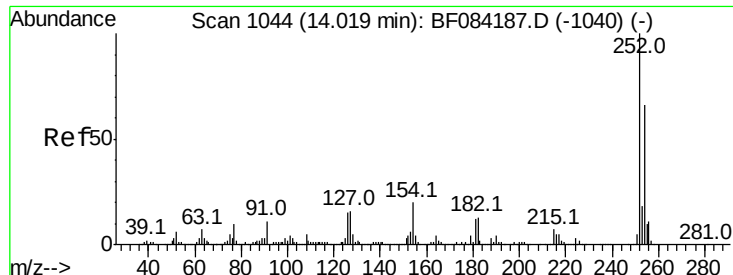
Ion Ratio Lower Upper

228 100

226 26.8 21.8 32.6

229 19.0 15.8 23.8





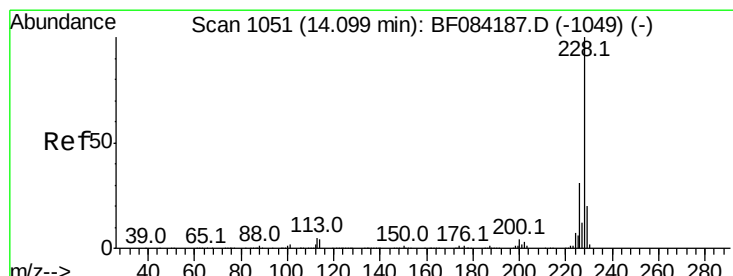
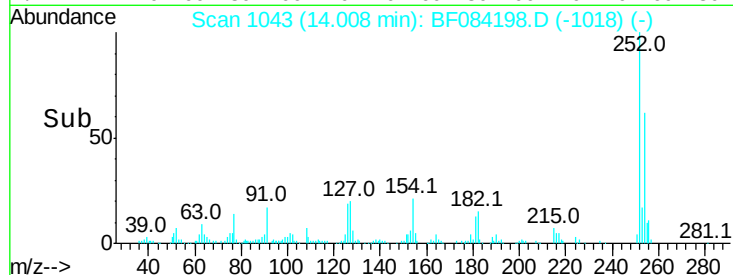
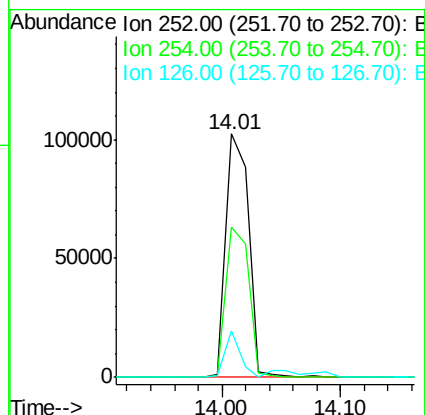
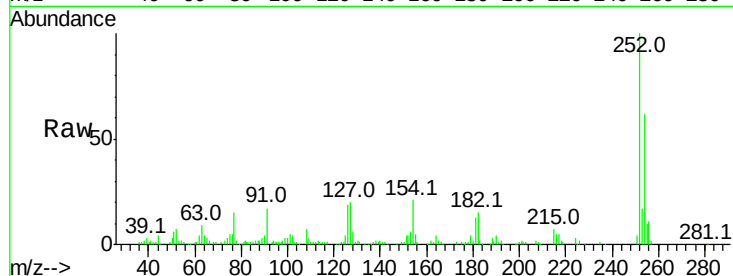
#81
 3,3'-Dichlorobenzidine
 Concen: 7.51 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BF084198.D
 Acq: 31 Dec 2015 16:48

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	61.6	53.5	80.3
126	19.1	4.9	7.3

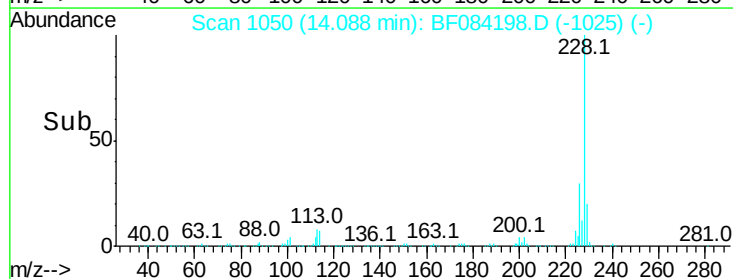
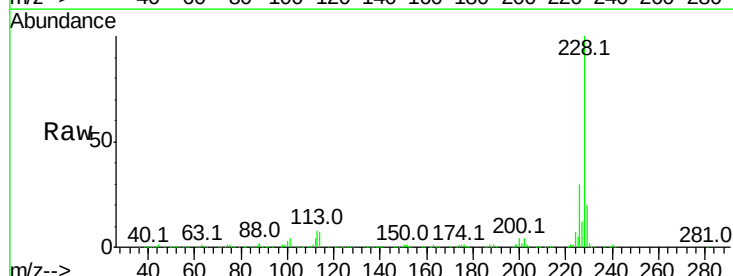
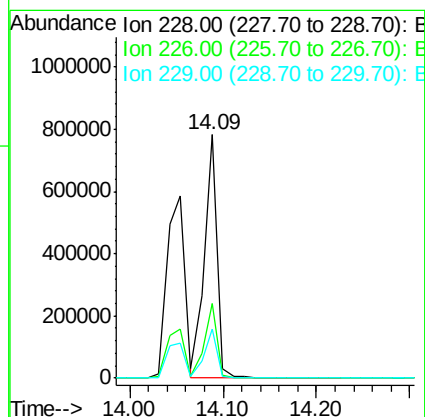
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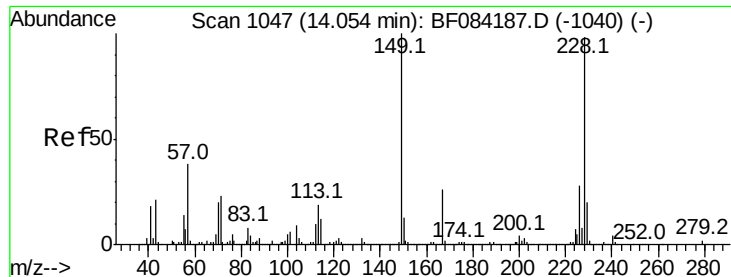
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 1/4/2016 4:28:44 PM



#82
 Chrysene
 Concen: 15.11 ng
 RT: 14.09 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: BF084198.D
 Acq: 31 Dec 2015 16:48

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.5	24.3	36.5
229	20.3	16.1	24.1





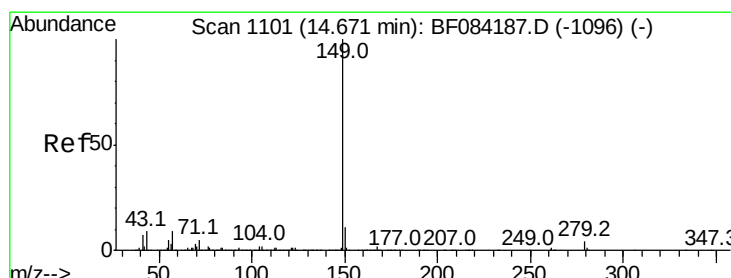
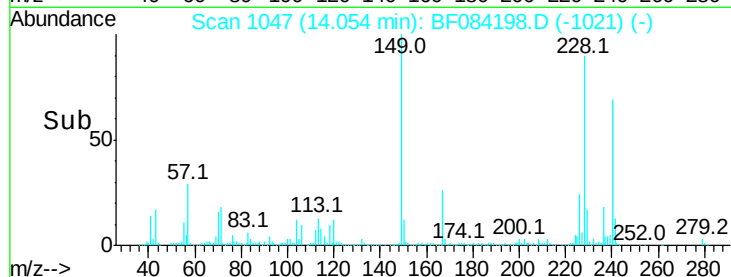
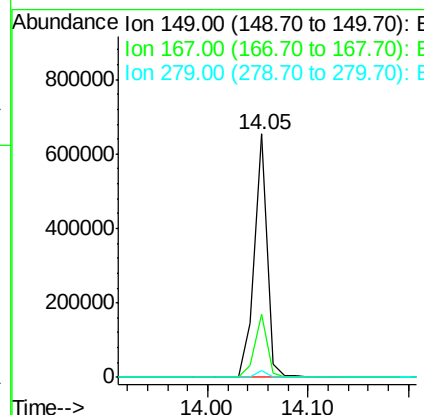
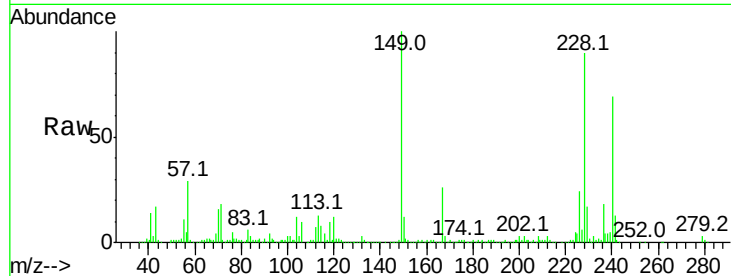
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 15.36 ng
 RT: 14.05 min Scan# 1047
 Delta R.T. 0.00 min
 Lab File: BF084198.D
 Acq: 31 Dec 2015 16:48

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL2016-02

Tot Ion	Ratio	Resp	Lower	Upper
149	100	577992		
167	26.1	19.7	29.5	
279	3.0	1.8	2.6#	

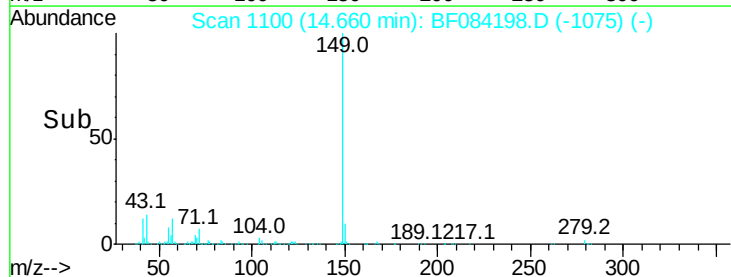
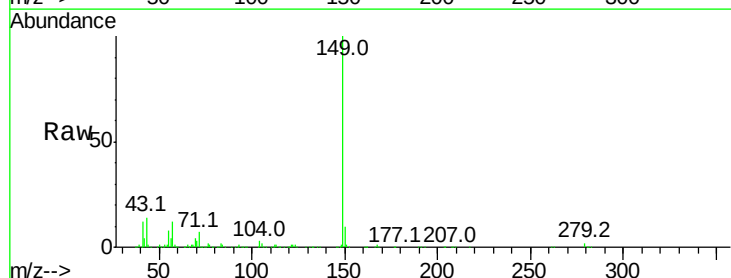
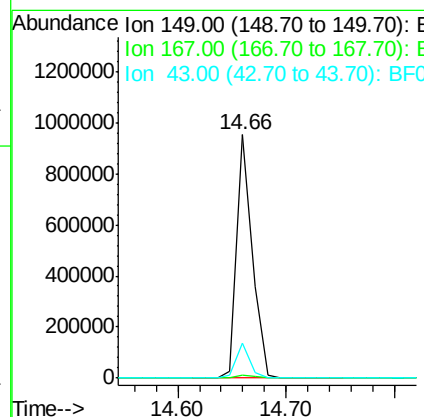
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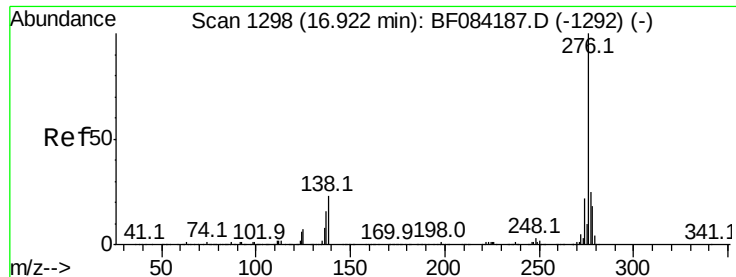
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 1/4/2016 4:28:44 PM



#84
 Di-n-octyl phthalate
 Concen: 14.63 ng
 RT: 14.66 min Scan# 1100
 Delta R.T. -0.01 min
 Lab File: BF084198.D
 Acq: 31 Dec 2015 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	929528		
167	1.5	1.2	1.8	
43	12.8	5.6	8.4#	





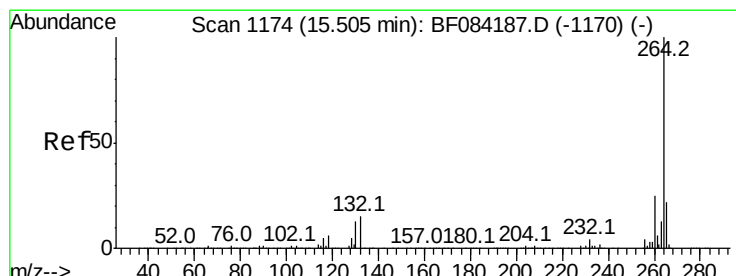
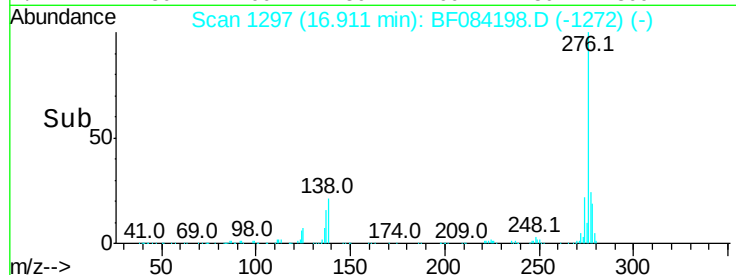
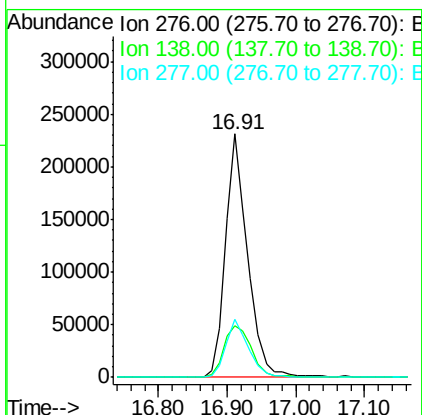
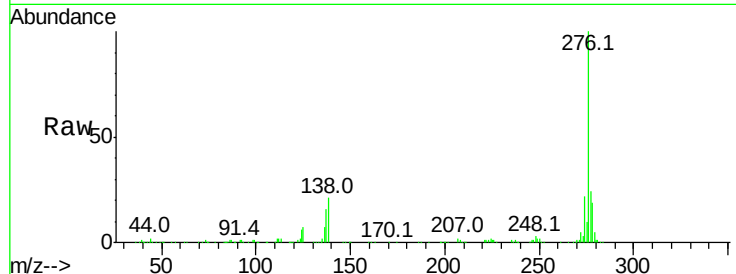
#85
Indeno(1,2,3-cd)pyrene
Concen: 13.39 ng
RT: 16.91 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	26.6	20.6	30.8
277	24.7	20.1	30.1

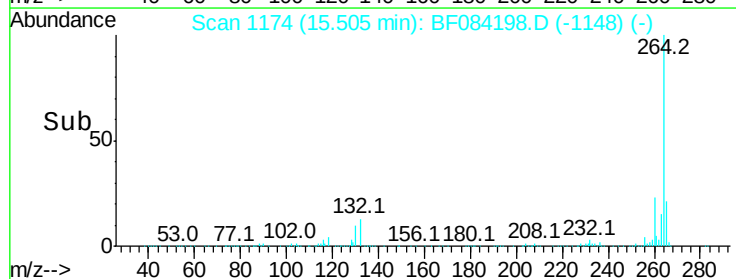
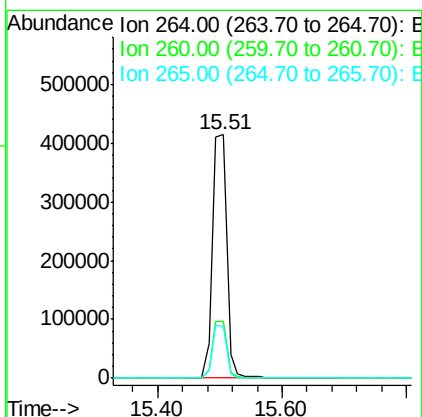
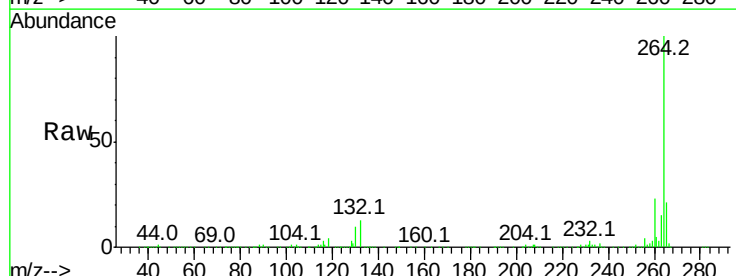
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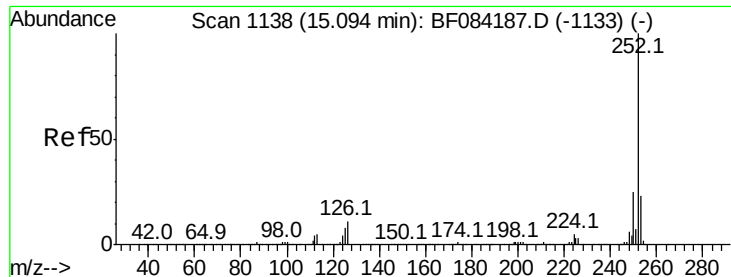
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1/4/2016 4:28:44 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1174
Delta R.T. 0.00 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.4	19.4	29.2
265	21.1	17.8	26.6





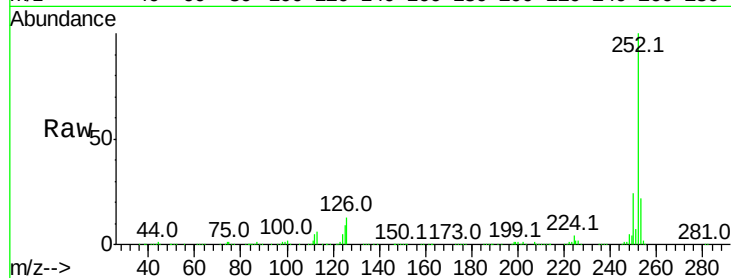
#87
Benzo(b)fluoranthene
Concen: 14.34 ng m
RT: 15.08 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

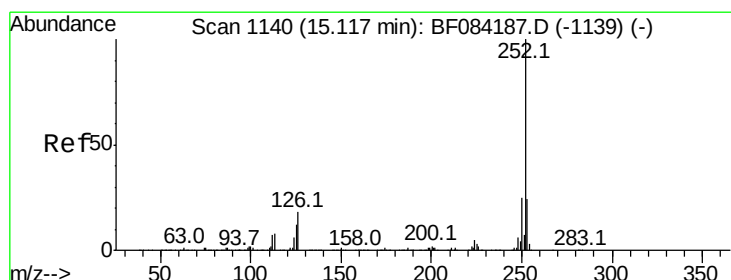
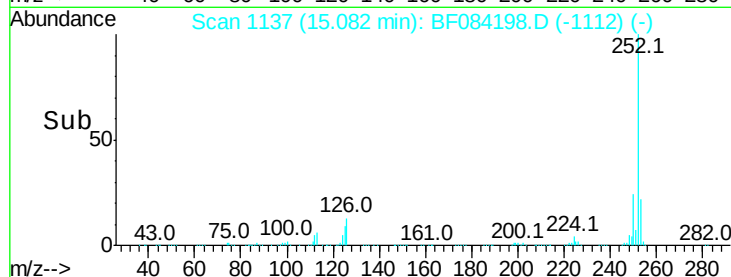
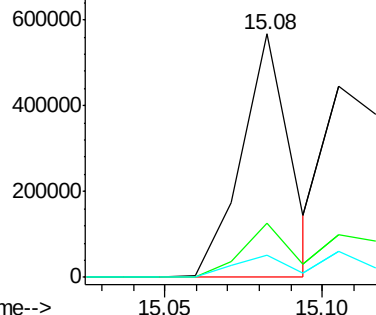
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	9.1	6.5	9.7

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1/4/2016 4:28:44 PM



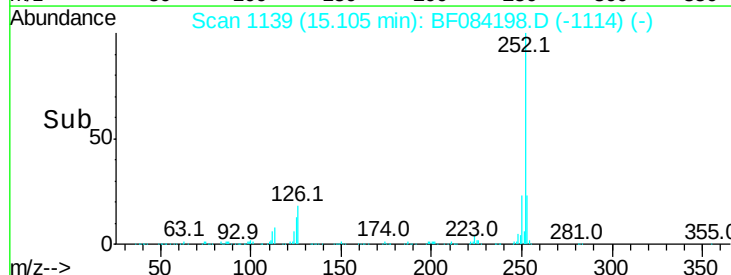
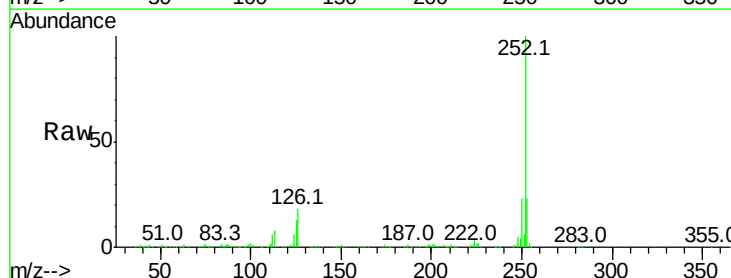
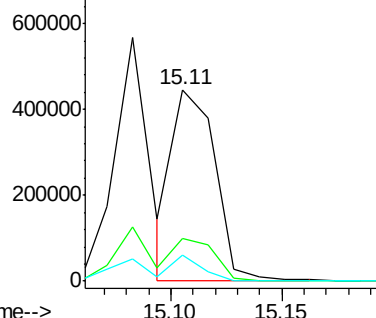
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

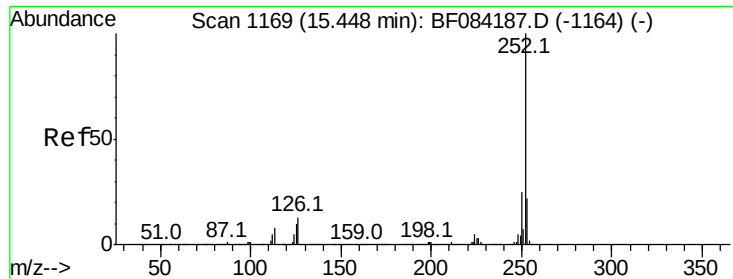


#88
Benzo(k)fluoranthene
Concen: 17.12 ng m
RT: 15.11 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	13.3	9.0	13.6

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





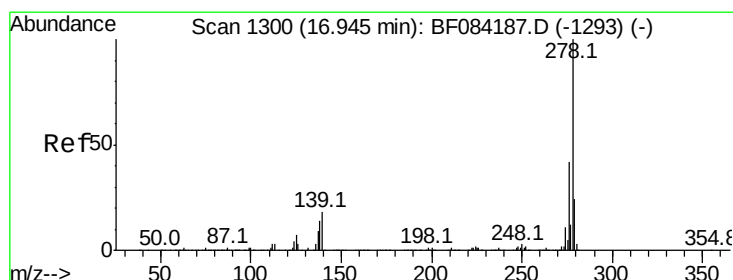
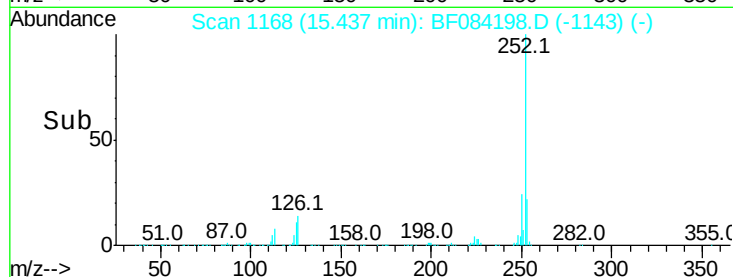
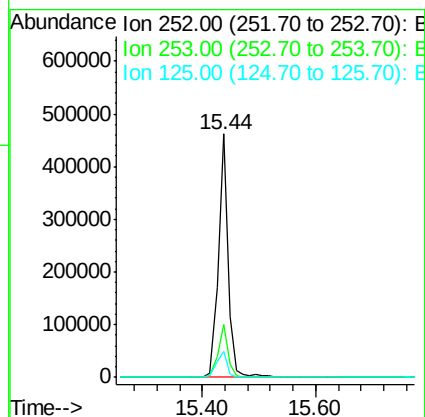
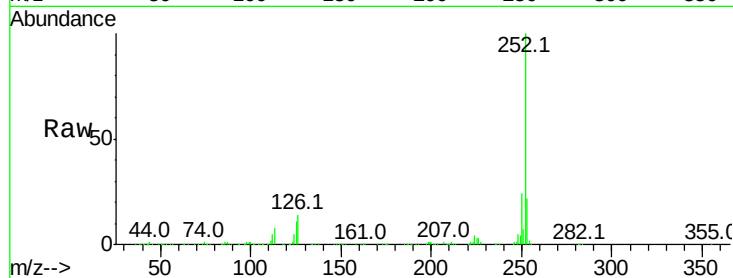
#89
Benzo(a)pyrene
Concen: 15.24 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	10.7	7.0	10.4

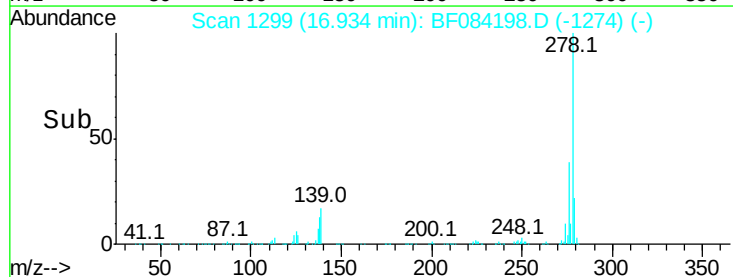
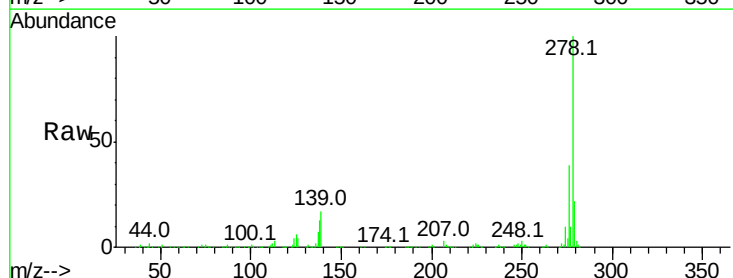
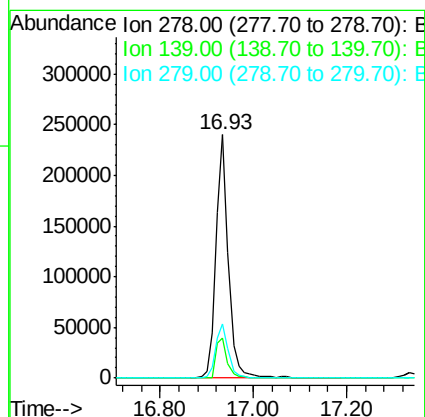
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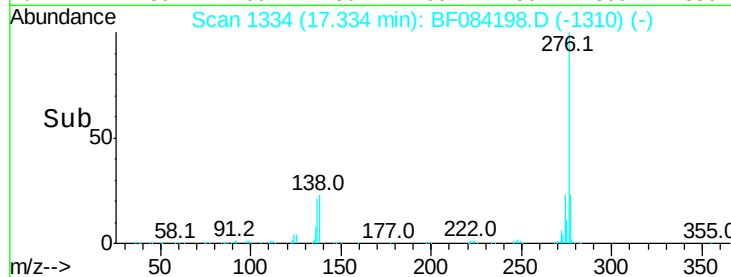
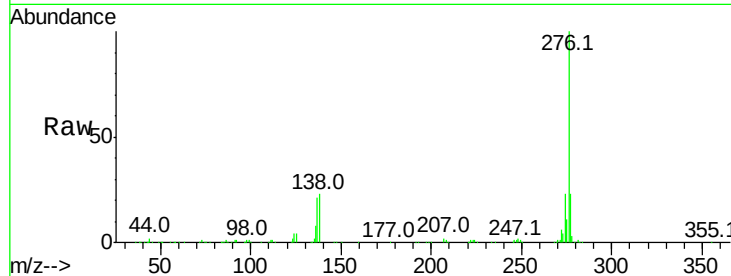
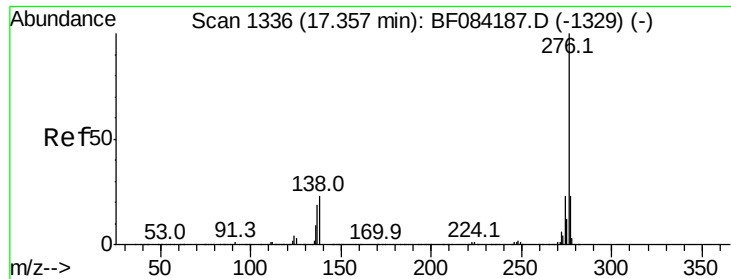
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#90
Dibenzo(a,h)anthracene
Concen: 14.40 ng
RT: 16.93 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.6	15.0	22.4
279	22.4	18.9	28.3





#91
Benzo(a,h,i)perylene
Concen: 13.82 ng
RT: 17.33 min Scan# 1334
Delta R.T. -0.02 min
Lab File: BF084198.D
Acq: 31 Dec 2015 16:48

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL2016-02

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.6	18.8	28.2
138	22.8	17.8	26.6

Manual Integrations
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