

Data Path : Z:\HPCHEM1\BNA F\DATA\BF113015\
 Data File : BF083372.D
 Acq On : 1 Dec 2015 11:15
 Operator : UM/IZ
 Sample : G4221-15DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILD

Manual Integrations
 APPROVED

Mmdadoda
 12/1/2015 6:35:22 PM

Quant Time: Dec 01 12:12:32 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 10:18:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	142623	20.00	ng	0.00
21) Naphthalene-d8	7.84	136	539399	20.00	ng	0.00
38) Acenaphthene-d10	9.58	164	282321	20.00	ng	0.00
63) Phenanthrene-d10	11.13	188	523203	20.00	ng	0.00
75) Chrysene-d12	14.75	240	456458	20.00	ng	-0.01
86) Perylene-d12	16.81	264	330933	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	271438	28.56	ng	0.00
7) Phenol-d6	6.21	99	354967	27.29	ng	-0.01
23) Nitrobenzene-d5	7.12	82	246079	20.05	ng	-0.01
41) 2,4,6-Tribromophenol	10.37	330	83572	29.49	ng	-0.01
44) 2-Fluorobiphenyl	8.91	172	402091	20.30	ng	-0.01
78) Terphenyl-d14	13.21	244	443290	23.16	ng	-0.01

Target Compounds				Qvalue		
8) 2-Chlorophenol	6.34	128	109538	10.45	ng	93
10) Phenol	6.22	94	207779	13.27	ng	98
12) 1,3-Dichlorobenzene	6.49	146	361539	31.02	ng	96
13) 1,4-Dichlorobenzene	6.57	146	141150	11.72	ng	98
17) 2-Methylphenol	6.84	107	20459	2.34	ng	94
18) Hexachloroethane	7.06	117	98370	23.51	ng	97
24) Nitrobenzene	7.14	77	407834	31.12	ng	92
25) Isophorone	7.38	82	901132	37.91	ng	99
29) 2,4-Dichlorophenol	7.71	162	150679	17.47	ng	97
30) 1,2,4-Trichlorobenzene	7.78	180	249110	26.54	ng	# 95
31) Naphthalene	7.86	128	960863	32.83	ng	98
34) Hexachlorobutadiene	7.98	225	183608	34.45	ng	97
36) 4-Chloro-3-methylphenol	8.42	107	282514	29.21	ng	99
37) 2-Methylnaphthalene	8.54	142	412118	21.07	ng	98
42) 2,4,6-Trichlorophenol	8.84	196	85223	13.58	ng	99
43) 2,4,5-Trichlorophenol	8.88	196	145694	22.40	ng	95
48) Acenaphthylene	9.45	152	618653	20.56	ng	97
49) Dimethylphthalate	9.32	163	813259	35.45	ng	99
51) Acenaphthene	9.62	154	223333	12.62	ng	100
54) Dibenzofuran	9.79	168	1025940	39.55	ng	95
55) 4-Nitrophenol	9.74	139	68259m	19.00	ng	
57) Fluorene	10.13	166	614126	29.98	ng	100
59) Diethylphthalate	10.02	149	643097	29.41	ng	99
66) 4-Bromophenyl-phenylether	10.62	248	112289	19.62	ng	# 85
70) Phenanthrene	11.15	178	602991	19.47	ng	100
72) Carbazole	11.41	167	144257	5.15	ng	98
73) Di-n-butylphthalate	11.85	149	323065	9.73	ng	99
74) Fluoranthene	12.66	202	629041	19.60	ng	93
80) Benzo(a)anthracene	14.74	228	594285	21.25	ng	98
82) Chrysene	14.79	228	547101	20.25	ng	98
83) Bis(2-ethylhexyl)phthalate	14.87	149	440840	24.30	ng	98
84) Di-n-octyl phthalate	15.84	149	638653	23.64	ng	99
85) Indeno(1,2,3-cd)pyrene	18.21	276	101036	5.13	ng	# 72
87) Benzo(b)fluoranthene	16.29	252	429566	20.23	ng	98

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Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILDL

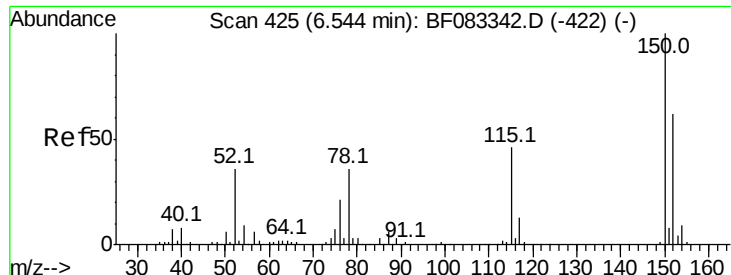
Manual Integrations
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
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QLast Update : Tue Dec 01 10:18:05 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	18.21	278	447582	28.16	nq	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.54 min Scan# 425

Delta R.T. -0.00 min

Lab File: BF083372.D

Acq: 1 Dec 2015 11:15

Instrument :

BNA_F

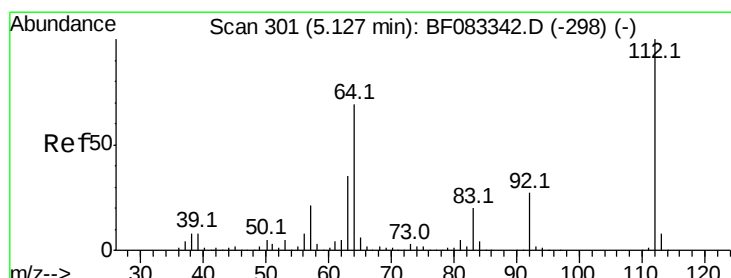
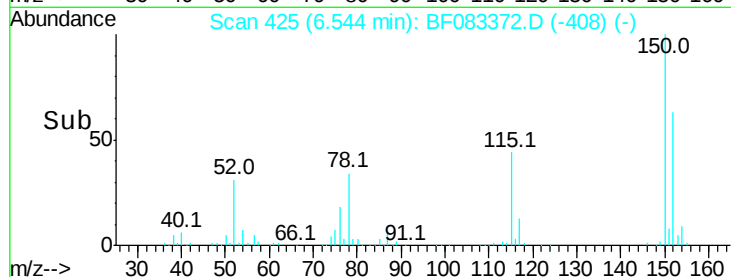
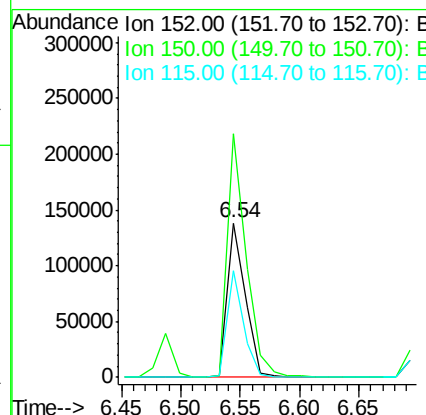
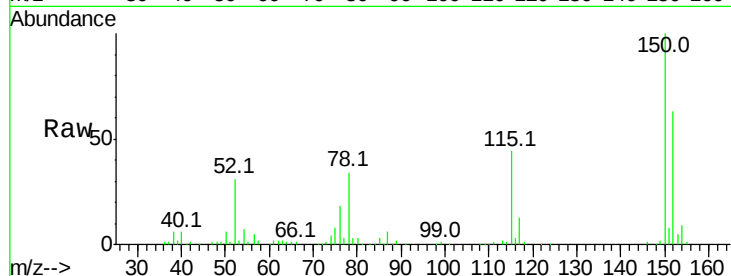
ClientSampleId :

PT-BNA-SOILD

Tot Ion:	152	Resp:	142623
Ion Ratio	Lower	Upper	
152	100		
150	157.8	129.8	194.8
115	69.1	59.2	88.8

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#5

2-Fluorophenol

Concen: 28.56 ng

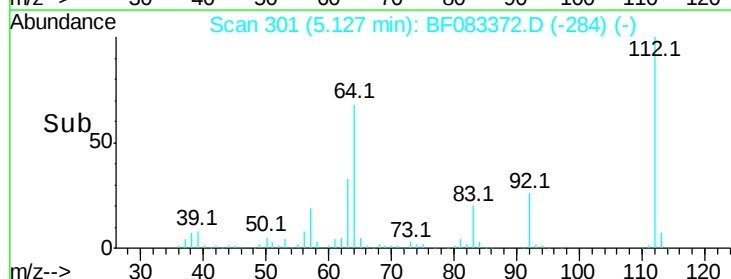
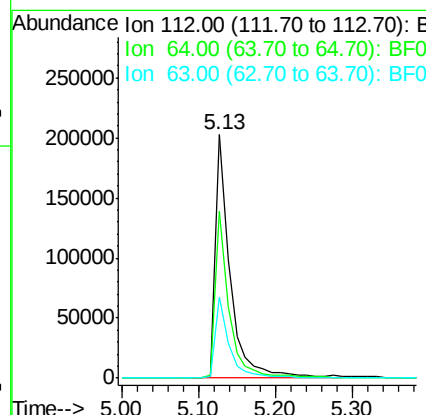
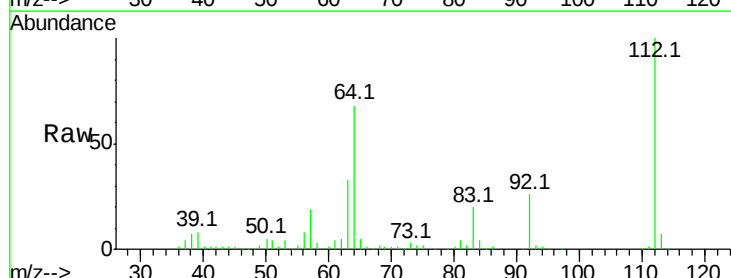
RT: 5.13 min Scan# 301

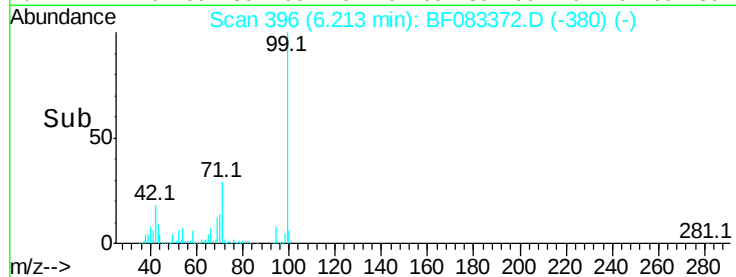
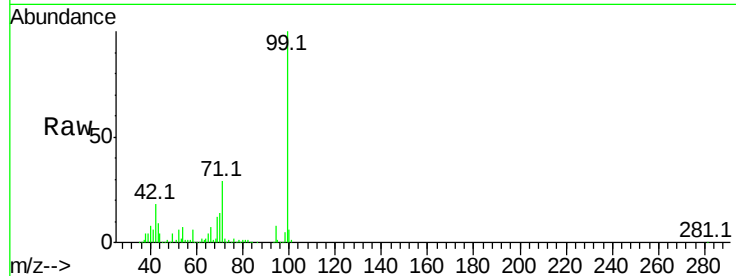
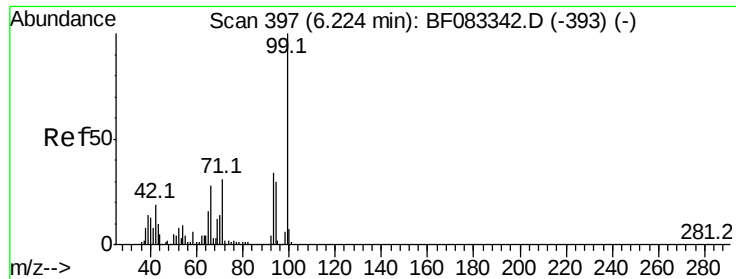
Delta R.T. -0.00 min

Lab File: BF083372.D

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Tgt Ion:	112	Resp:	271438
Ion Ratio	Lower	Upper	
112	100		
64	68.5	55.6	83.4
63	33.1	28.2	42.2





#7

Phenol-d6

Concen: 27.29 ng

RT: 6.21 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF083372.D

Acq: 1 Dec 2015 11:15

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		354967		
42	17.8	14.9	22.3		
71	29.1	24.7	37.1		

Instrument :

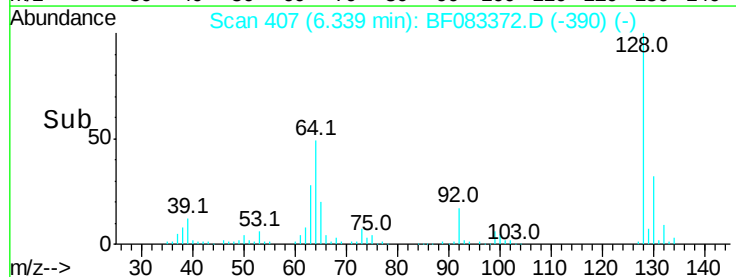
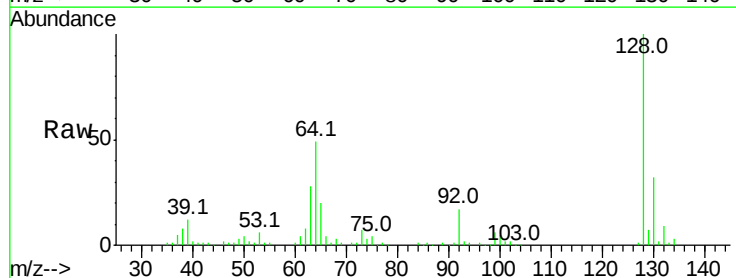
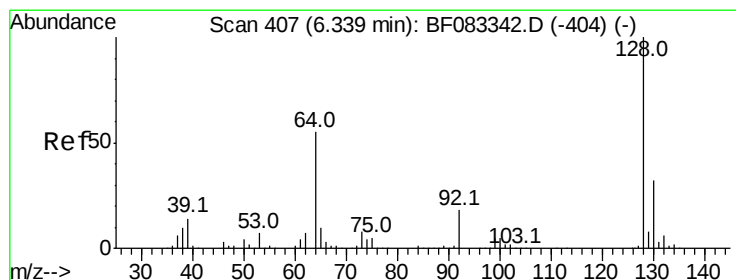
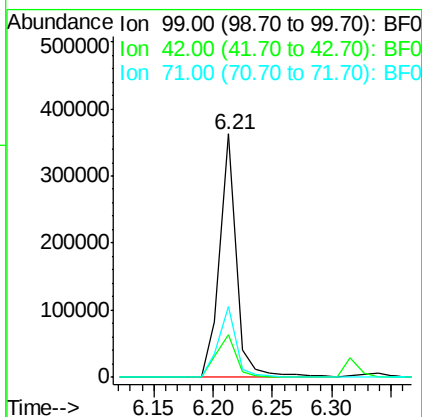
BNA_F

ClientSampleId :

PT-BNA-SOILDL

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#8

2-Chlorophenol

Concen: 10.45 ng

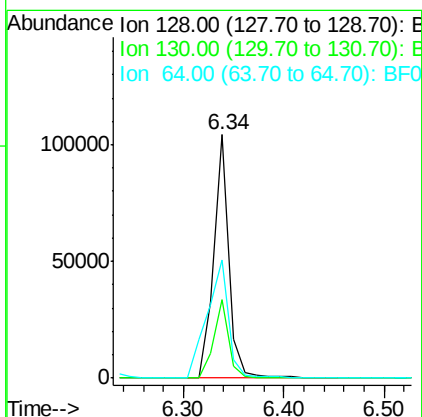
RT: 6.34 min Scan# 407

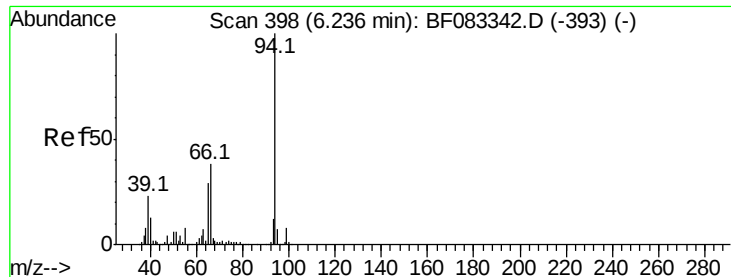
Delta R.T. -0.00 min

Lab File: BF083372.D

Acq: 1 Dec 2015 11:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
128	100		109538		
130	32.5	12.3	52.3		
64	48.8	36.4	76.4		





#10

Phenol

Concen: 13.27 ng

RT: 6.22 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF083372.D

Acq: 1 Dec 2015 11:15

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILDL

Tot Ion: 94 Resp: 207779

Ion Ratio Lower Upper

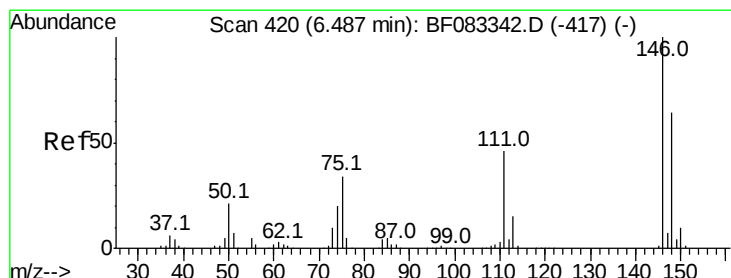
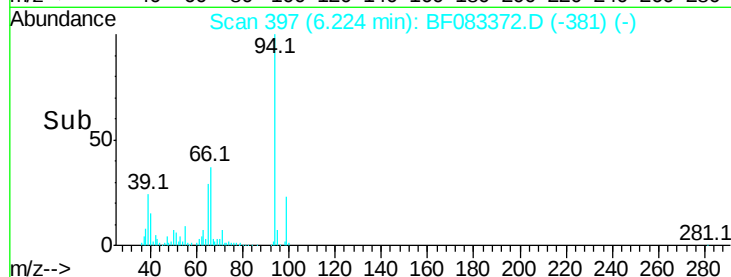
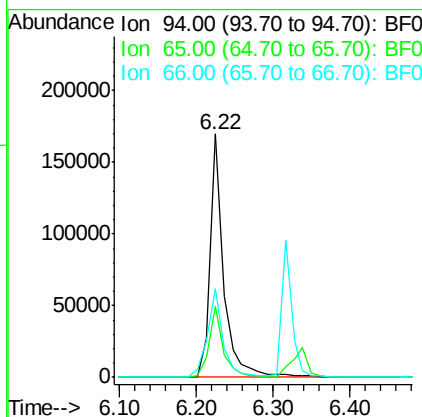
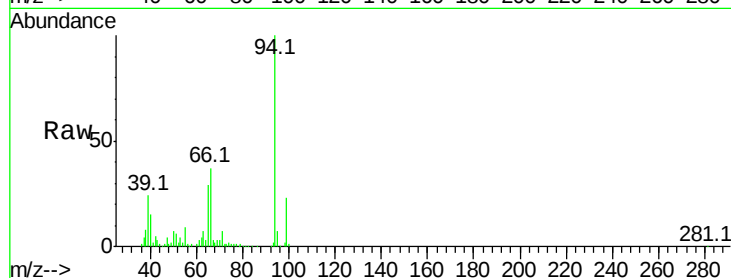
94 100

65 29.1 9.5 49.5

66 36.6 17.9 57.9

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#12

1,3-Dichlorobenzene

Concen: 31.02 ng

RT: 6.49 min Scan# 420

Delta R.T. -0.00 min

Lab File: BF083372.D

Acq: 1 Dec 2015 11:15

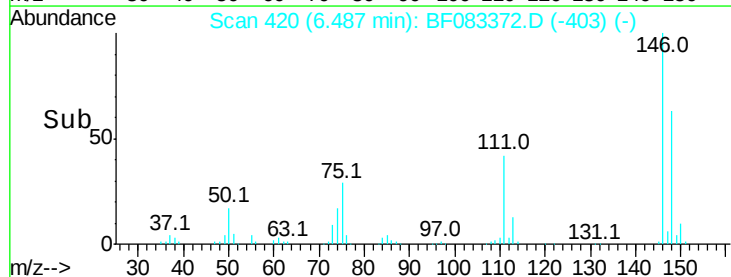
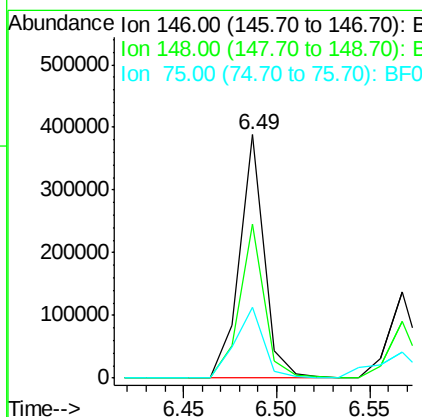
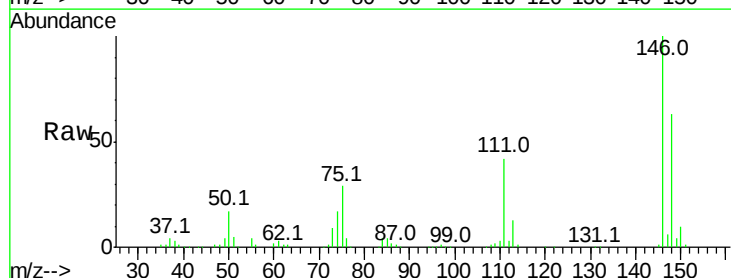
Tgt Ion: 146 Resp: 361539

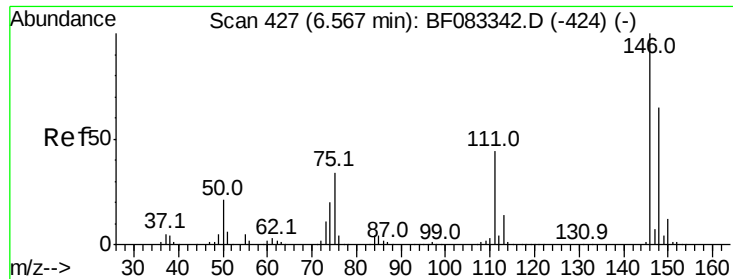
Ion Ratio Lower Upper

146 100

148 63.3 51.1 76.7

75 29.2 27.5 41.3





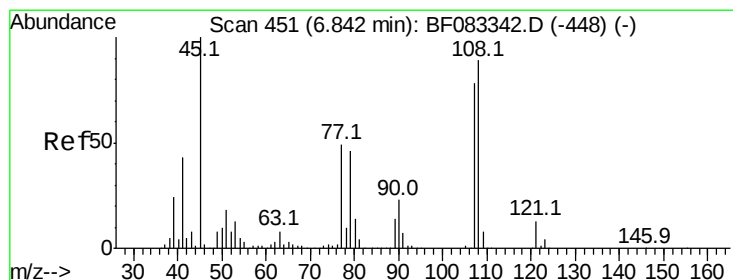
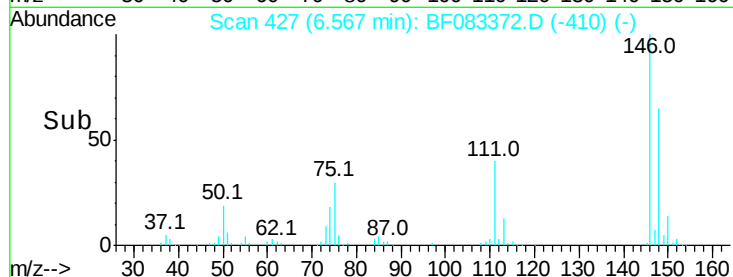
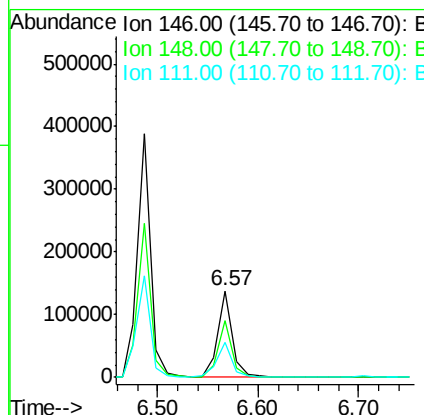
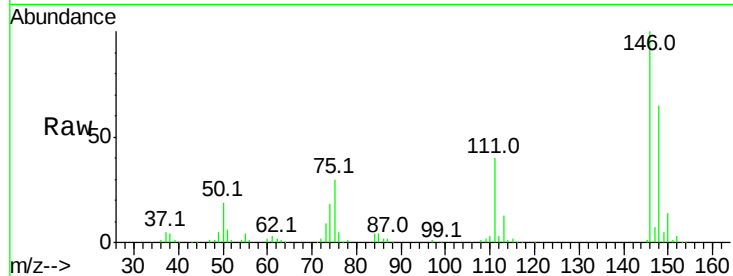
#13
 1,4-Dichlorobenzene
 Concen: 11.72 ng
 RT: 6.57 min Scan# 427
 Delta R.T. -0.00 min
 Lab File: BF083372.D
 Acq: 1 Dec 2015 11:15

Instrument :
 BNA_F
 ClientSampled :
 PT-BNA-SOILD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	141150		
148	65.2	52.1	78.1	
111	40.4	35.4	53.0	

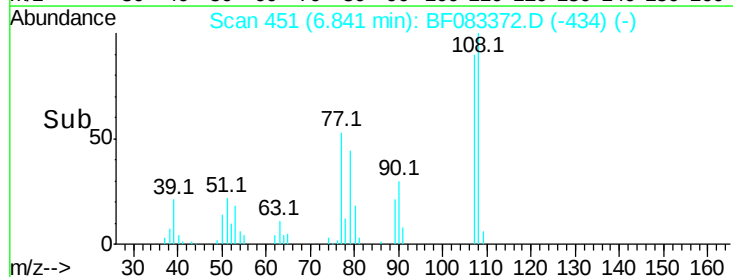
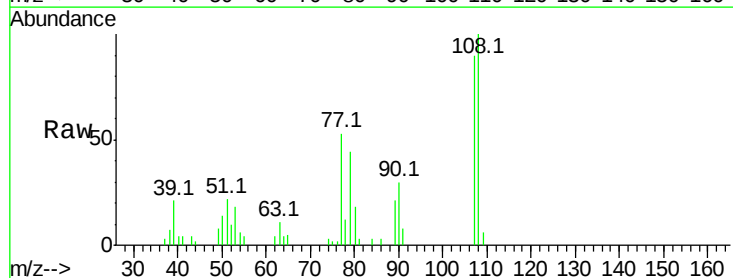
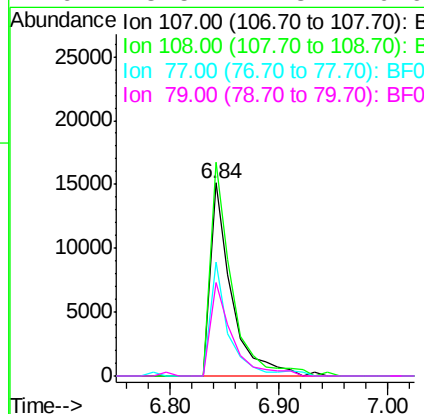
Manual Integrations
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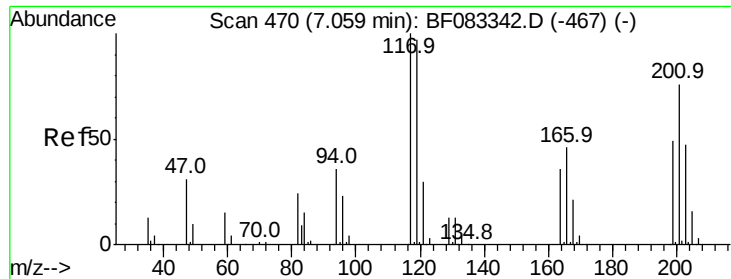
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#17
 2-Methylphenol
 Concen: 2.34 ng
 RT: 6.84 min Scan# 451
 Delta R.T. -0.00 min
 Lab File: BF083372.D
 Acq: 1 Dec 2015 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	20459		
108	110.8	91.6	137.4	
77	59.1	49.9	74.9	
79	48.5	47.3	70.9	





#18

Hexachloroethane

Concen: 23.51 ng

RT: 7.06 min Scan# 470

Delta R.T. -0.00 min

Lab File: BF083372.D

Acq: 1 Dec 2015 11:15

Instrument :

BNA_F

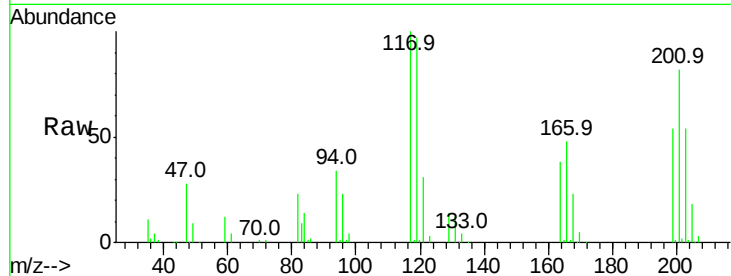
ClientSampleId :

PT-BNA-SOILD

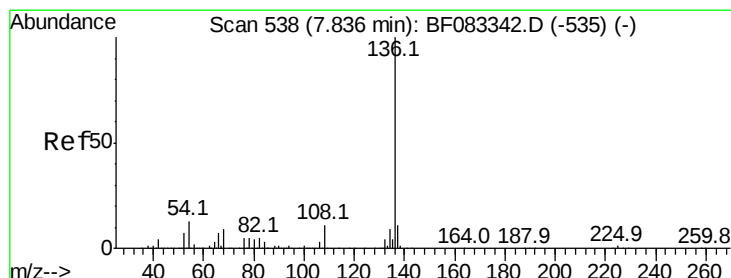
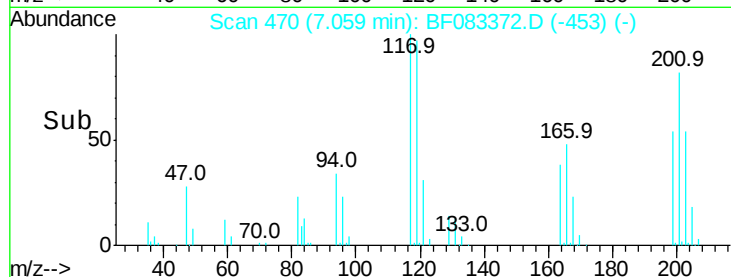
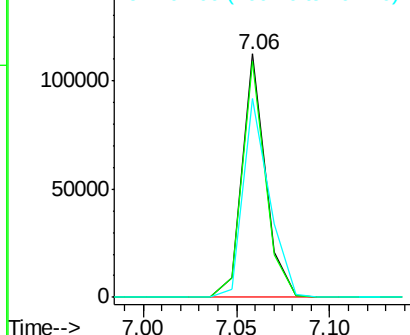
Tot Ion:	117	Resp:	98370
Ion Ratio	Lower	Upper	
117	100		
119	97.2	77.3	115.9
201	81.7	60.6	90.8

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Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.84 min Scan# 538

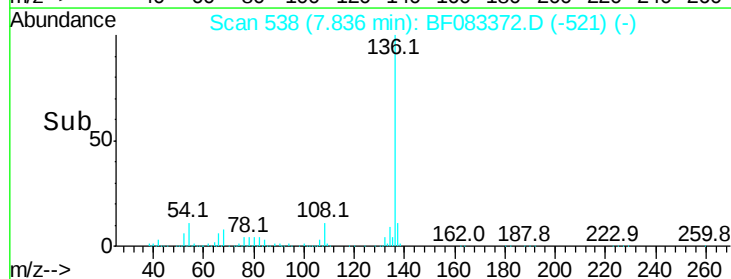
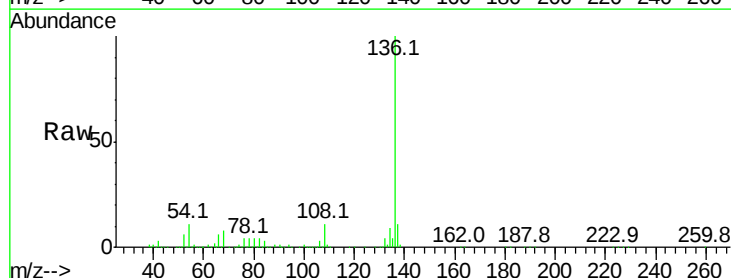
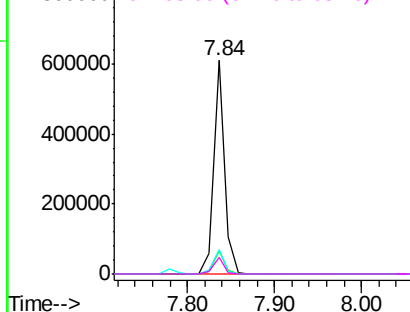
Delta R.T. -0.00 min

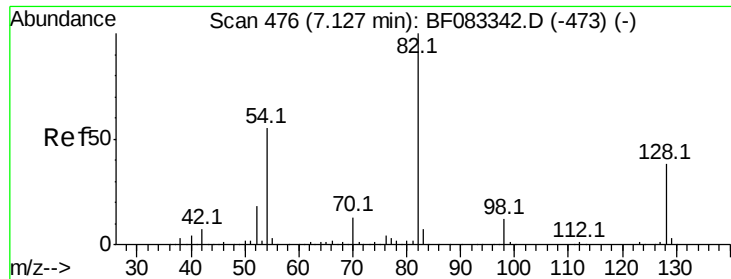
Lab File: BF083372.D

Acq: 1 Dec 2015 11:15

Tgt Ion:	136	Resp:	539399
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.0	13.4
54	11.2	10.1	15.1
68	7.5	7.1	10.7

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





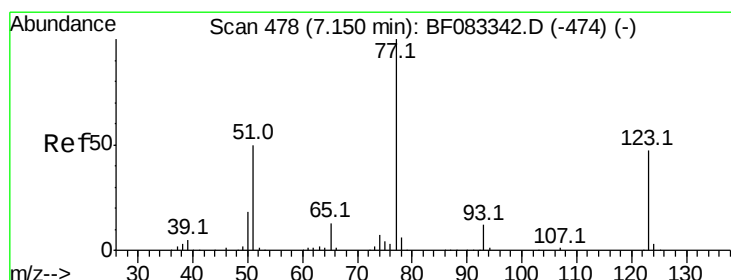
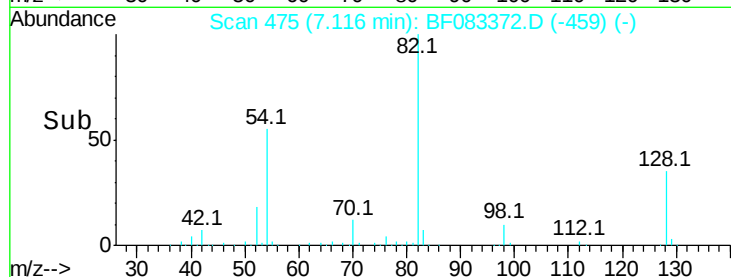
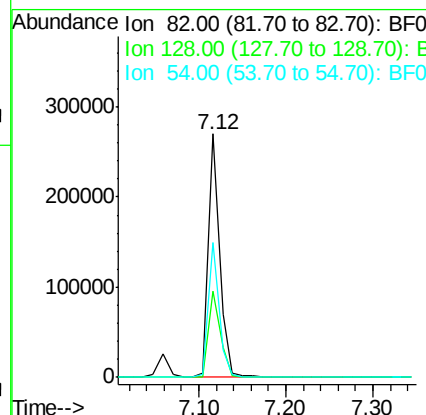
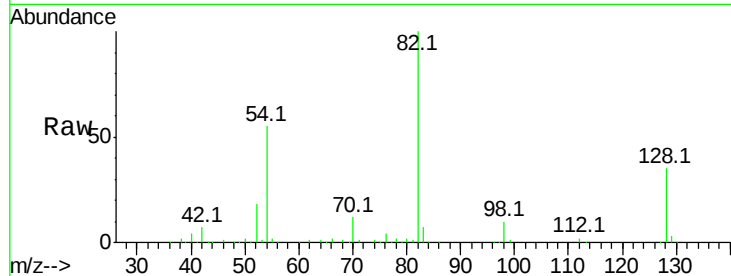
#23
Nitrobenzene-d5
Concen: 20.05 ng
RT: 7.12 min Scan# 475
Delta R.T. -0.01 min
Lab File: BF083372.D
Acq: 1 Dec 2015 11:15

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILD

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	35.2	30.6	46.0
54	55.5	43.8	65.6

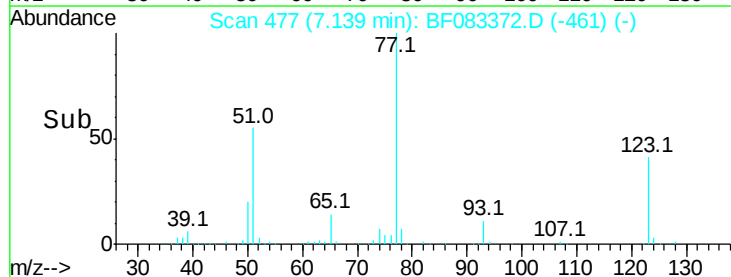
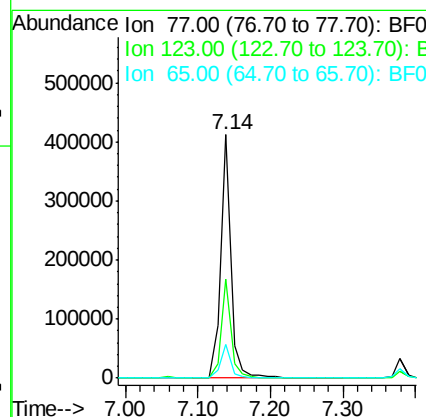
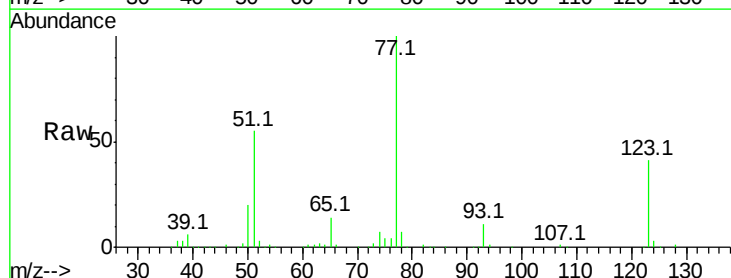
Manual Integrations
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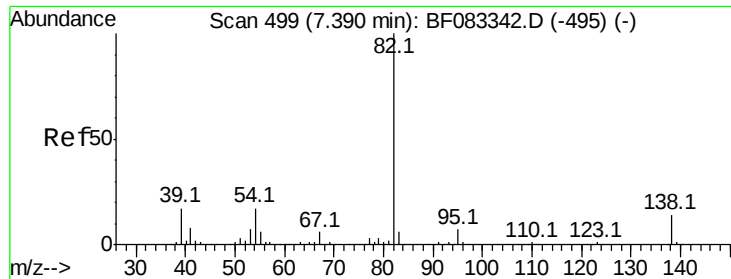
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#24
Nitrobenzene
Concen: 31.12 ng
RT: 7.14 min Scan# 477
Delta R.T. -0.01 min
Lab File: BF083372.D
Acq: 1 Dec 2015 11:15

Tgt Ion	Ratio	Resp Lower	Upper
77	100		
123	40.7	37.4	56.0
65	14.0	10.6	15.8





#25

Isophorone

Concen: 37.91 ng

RT: 7.38 min Scan# 498

Delta R.T. -0.01 min

Lab File: BF083372.D

Acq: 1 Dec 2015 11:15

Instrument :

BNA_F

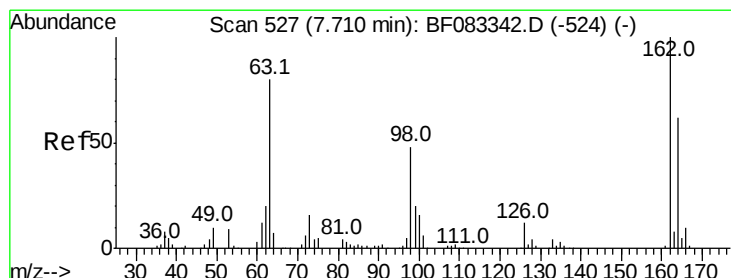
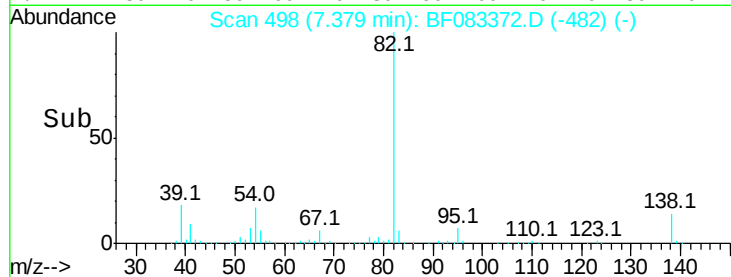
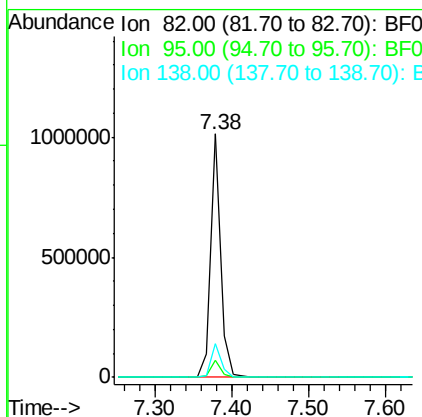
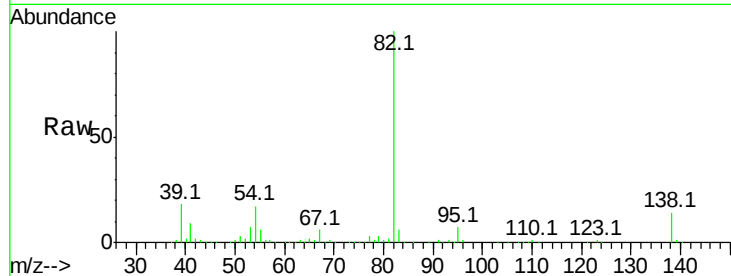
ClientSampleId :

PT-BNA-SOILD

Tot Ion:	82	Resp:	901132
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.3	7.9
138	14.0	11.6	17.4

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#29

2,4-Dichlorophenol

Concen: 17.47 ng

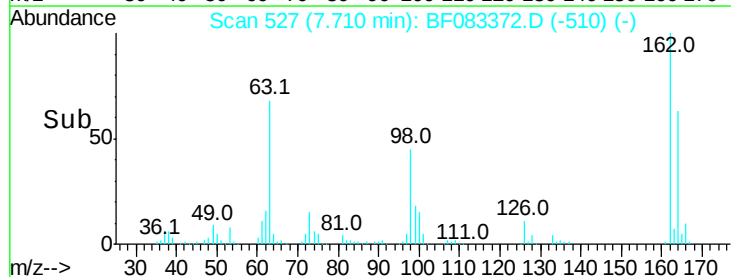
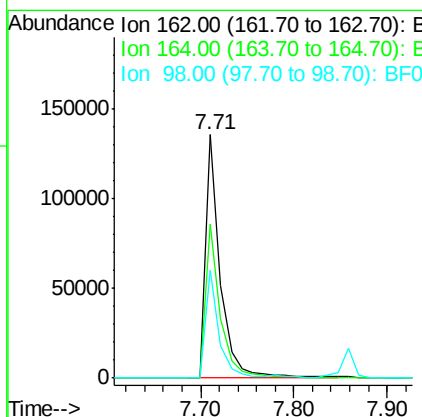
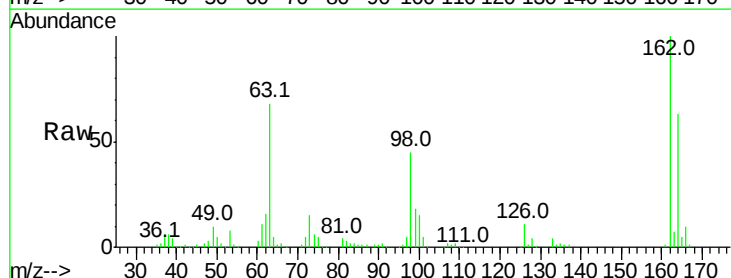
RT: 7.71 min Scan# 527

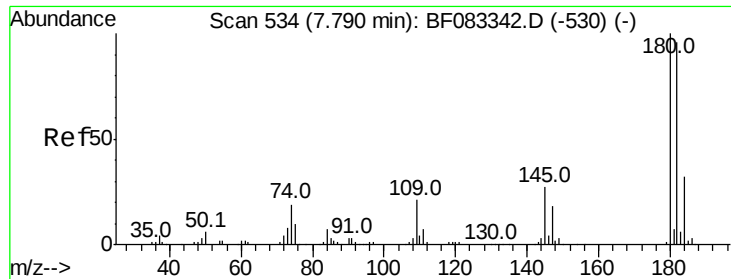
Delta R.T. -0.00 min

Lab File: BF083372.D

Acq: 1 Dec 2015 11:15

Tgt Ion:	162	Resp:	150679
Ion Ratio	Lower	Upper	
162	100		
164	63.2	41.9	81.9
98	44.5	28.1	68.1





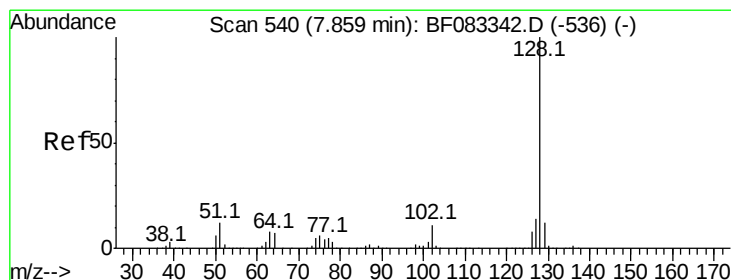
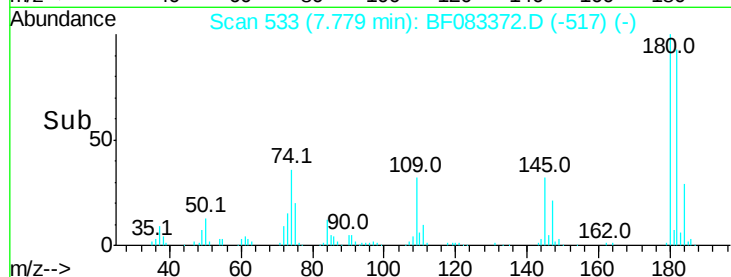
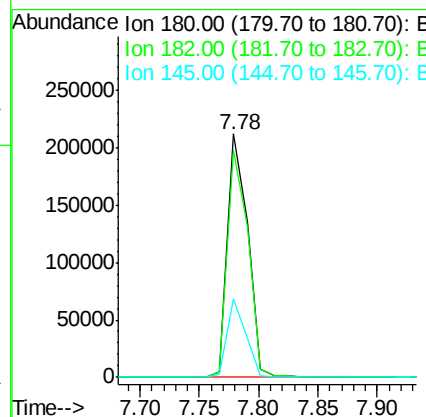
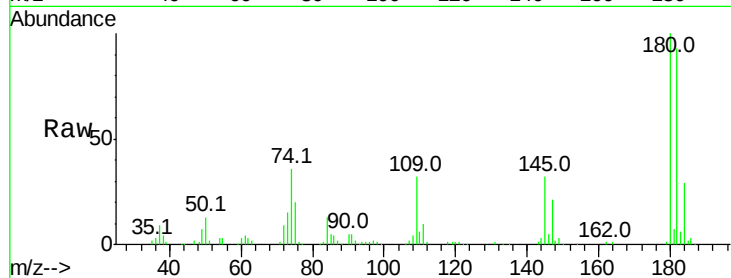
#30
 1,2,4-Trichlorobenzene
 Concen: 26.54 ng
 RT: 7.78 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: BF083372.D
 Acq: 1 Dec 2015 11:15

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	249110		
182	93.2	77.2	115.8	
145	32.5	21.4	32.2#	

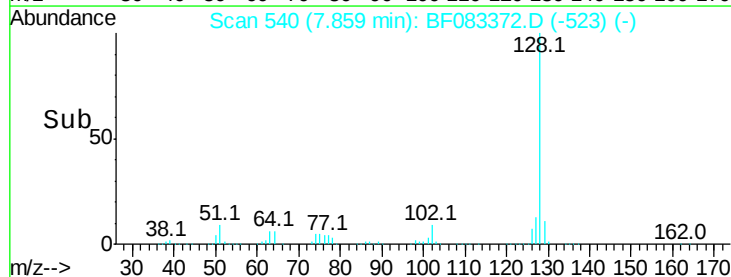
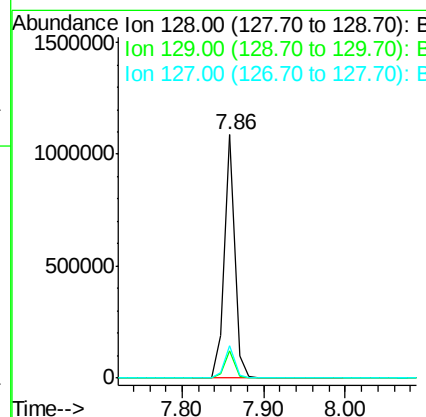
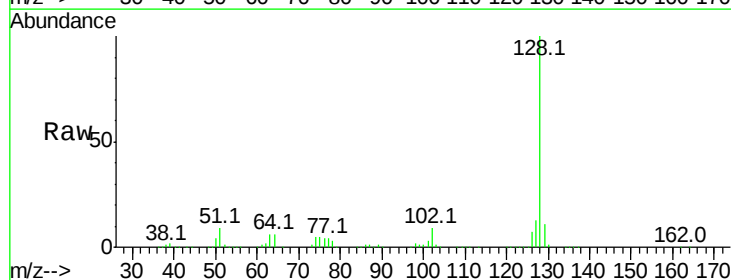
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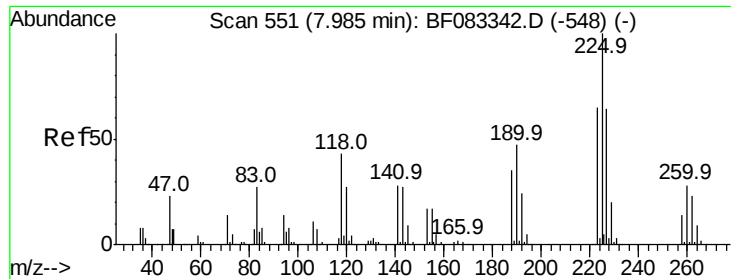
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#31
 Naphthalene
 Concen: 32.83 ng
 RT: 7.86 min Scan# 540
 Delta R.T. -0.00 min
 Lab File: BF083372.D
 Acq: 1 Dec 2015 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	960863		
129	11.4	9.7	14.5	
127	13.1	11.0	16.4	





#34

Hexachlorobutadiene

Concen: 34.45 ng

RT: 7.98 min Scan# 551

Delta R.T. -0.00 min

Lab File: BF083372.D

Acq: 1 Dec 2015 11:15

Instrument :

BNA_F

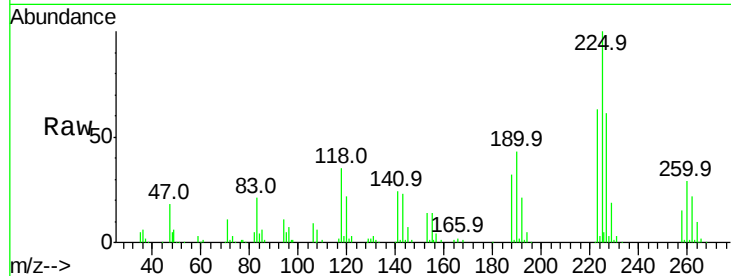
ClientSampleId :

PT-BNA-SOILD

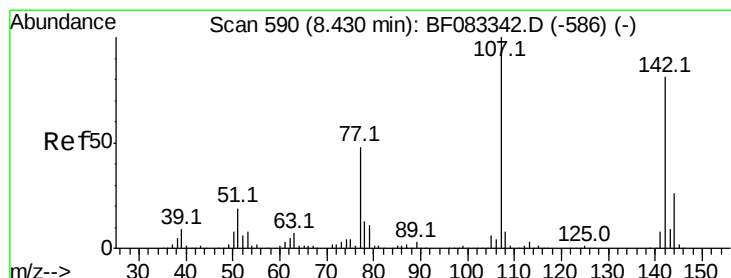
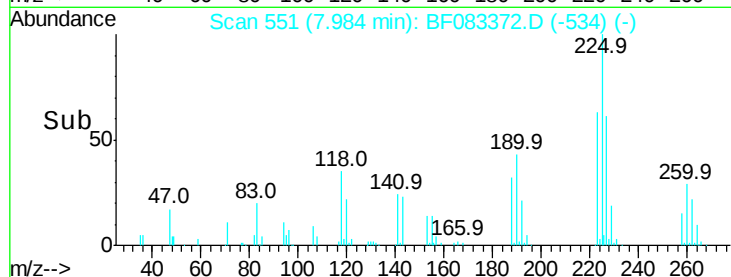
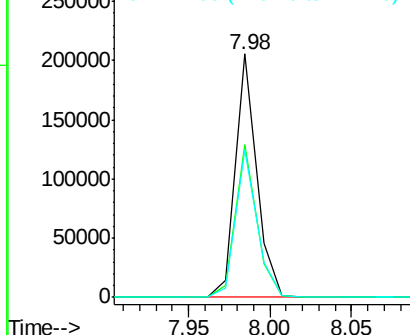
Tot Ion:	225	Resp:	183608
Ion Ratio	Lower	Upper	
225	100		
223	62.7	52.0	78.0
227	60.7	51.1	76.7

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Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E



#36

4-Chloro-3-methylphenol

Concen: 29.21 ng

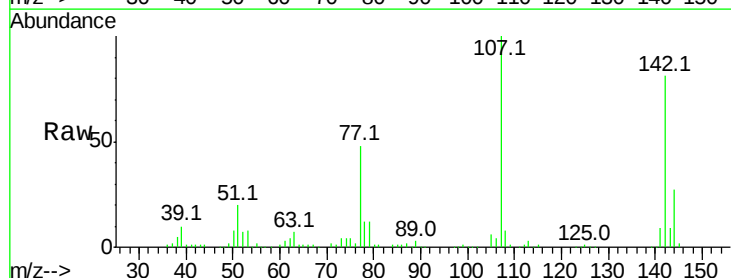
RT: 8.42 min Scan# 589

Delta R.T. -0.01 min

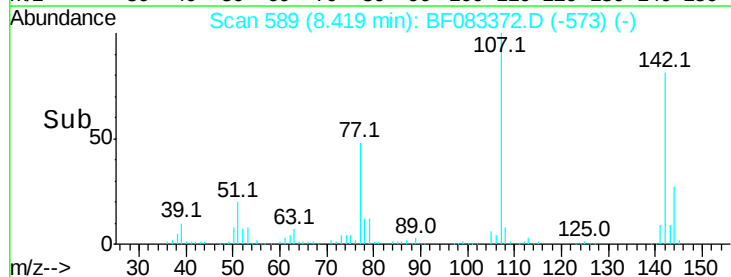
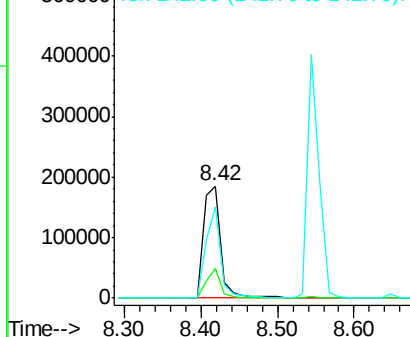
Lab File: BF083372.D

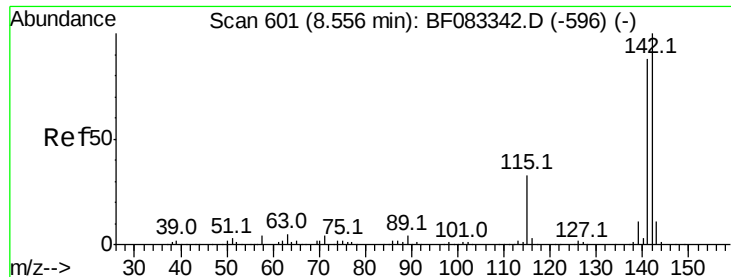
Acq: 1 Dec 2015 11:15

Tgt Ion:	107	Resp:	282514
Ion Ratio	Lower	Upper	
107	100		
144	27.0	21.1	31.7
142	81.1	65.1	97.7



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





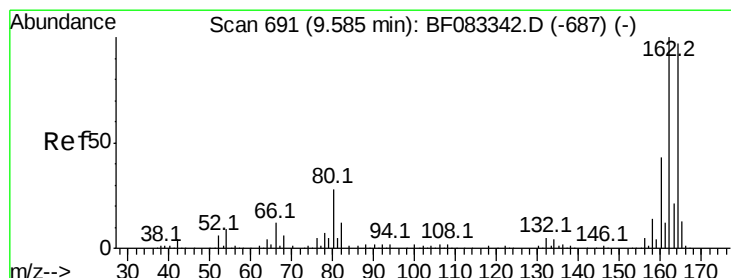
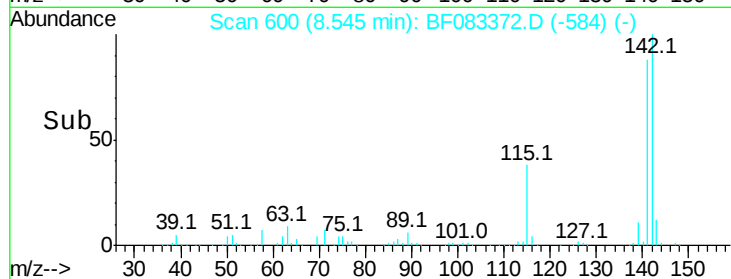
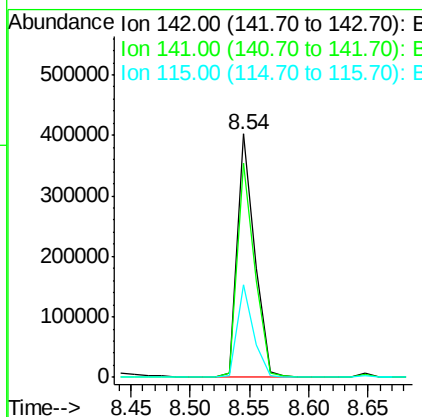
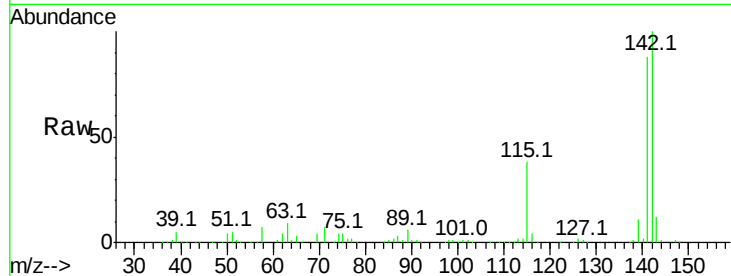
#37
 2-Methylnaphthalene
 Concen: 21.07 ng
 RT: 8.54 min Scan# 600
 Delta R.T. -0.01 min
 Lab File: BF083372.D
 Acq: 1 Dec 2015 11:15

Instrument :
 BNA_F
 ClientSampleID :
 PT-BNA-SOILD

Tot Ion	Ratio	Resp	Lower	Upper
142	100	412118		
141	88.2	70.6	105.8	
115	37.9	26.2	39.2	

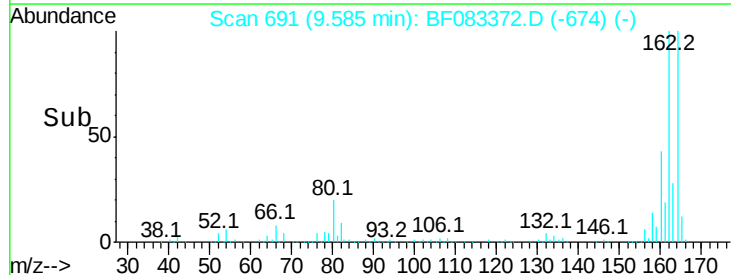
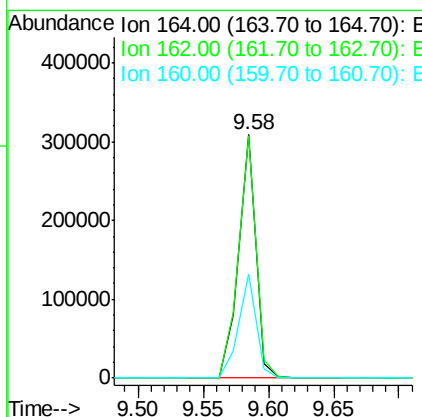
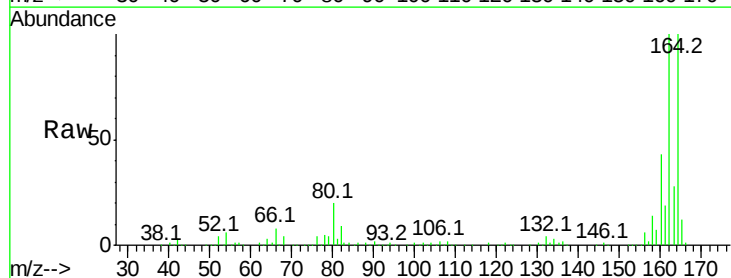
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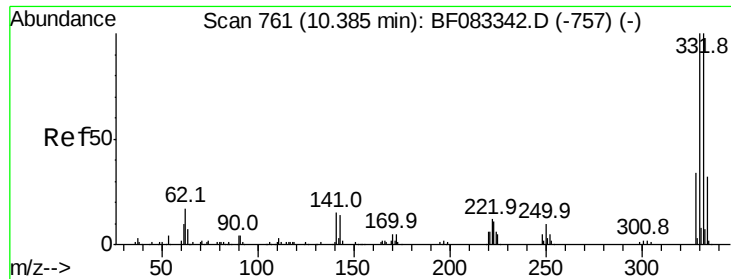
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.58 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: BF083372.D
 Acq: 1 Dec 2015 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	282321		
162	99.7	82.6	123.8	
160	42.8	35.3	52.9	





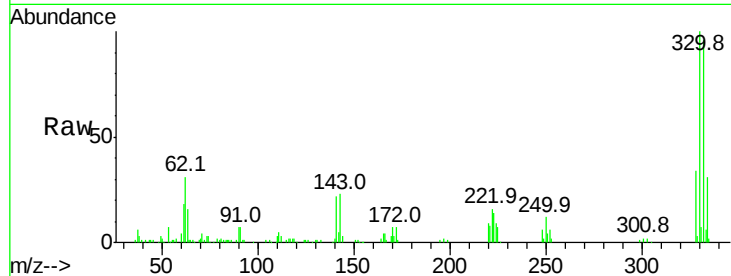
#41
 2,4,6-Tribromophenol
 Concen: 29.49 ng
 RT: 10.37 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BF083372.D
 Acq: 1 Dec 2015 11:15

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILD

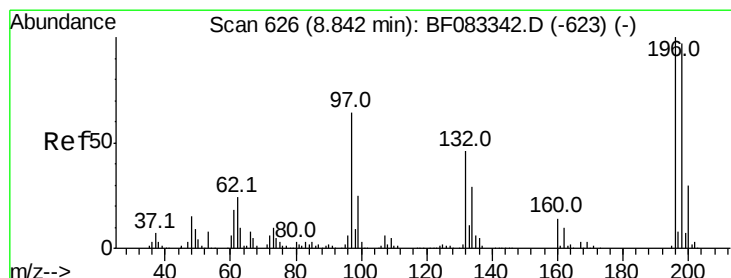
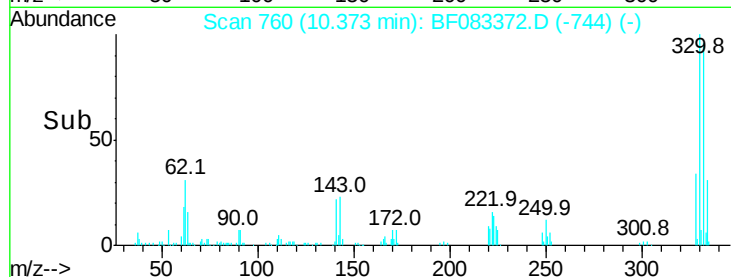
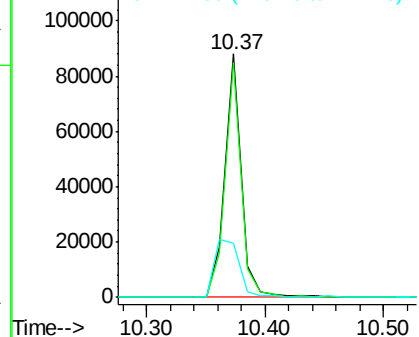
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.5	77.8	116.6	
141	36.0	29.4	44.0	

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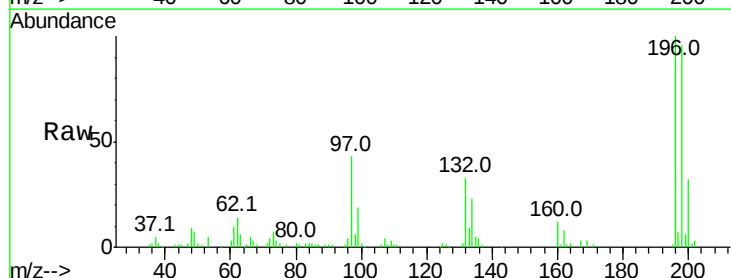


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

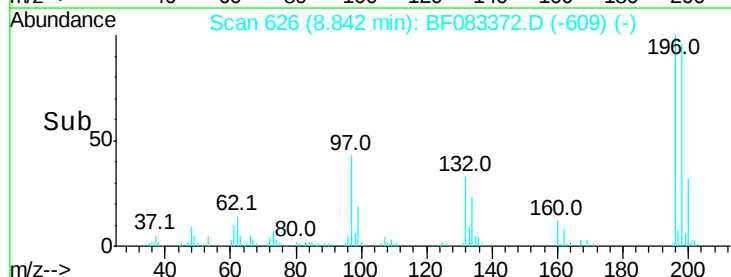
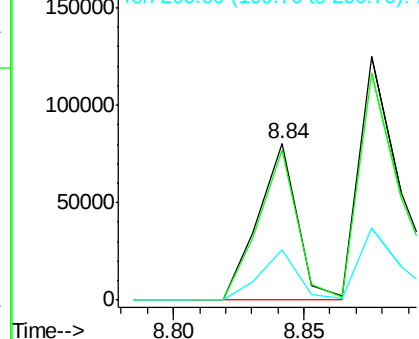


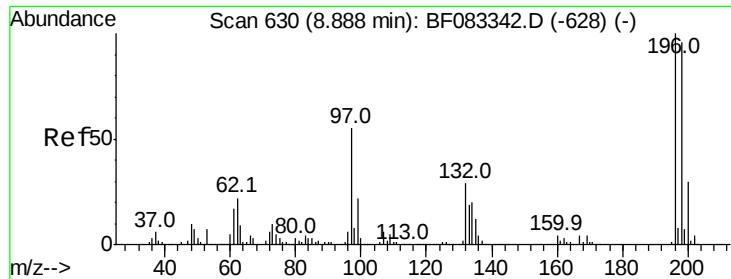
#42
 2,4,6-Trichlorophenol
 Concen: 13.58 ng
 RT: 8.84 min Scan# 626
 Delta R.T. -0.00 min
 Lab File: BF083372.D
 Acq: 1 Dec 2015 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	96.3	77.2	115.8	
200	32.3	24.2	36.4	



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





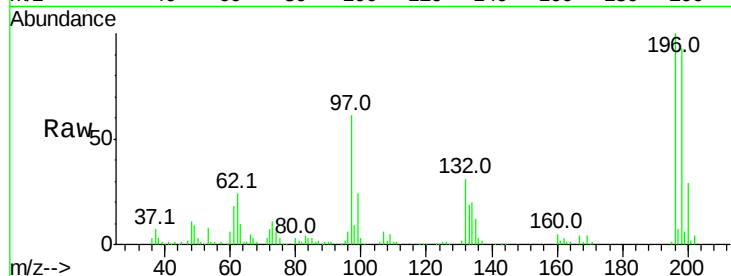
#43
 2,4,5-Trichlorophenol
 Concen: 22.40 ng
 RT: 8.88 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF083372.D
 Acq: 1 Dec 2015 11:15

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILD

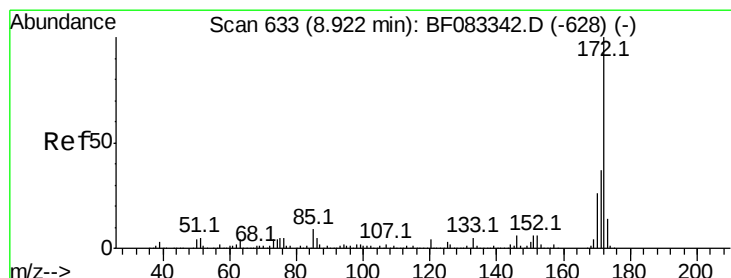
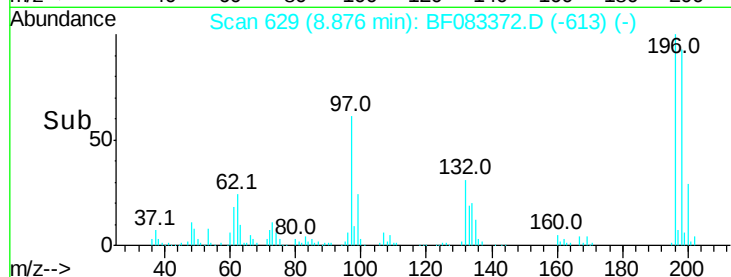
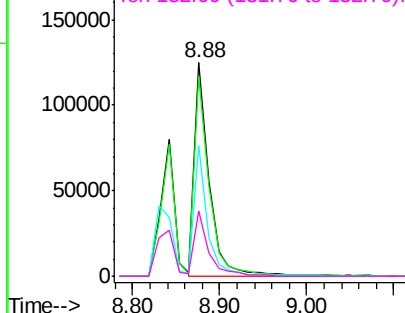
Tot Ion:	196	Resp:	145694
Ion Ratio	Lower	Upper	
196	100		
198	93.4	77.2	115.8
97	61.3	44.4	66.6
132	30.8	23.2	34.8

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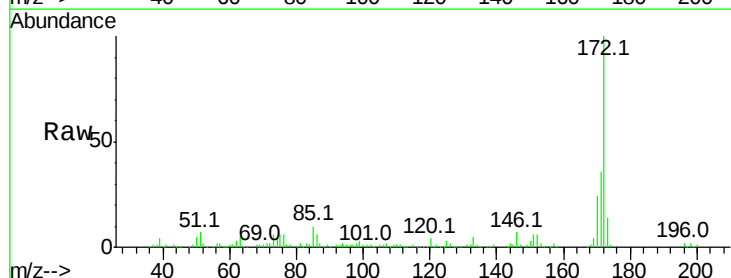


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

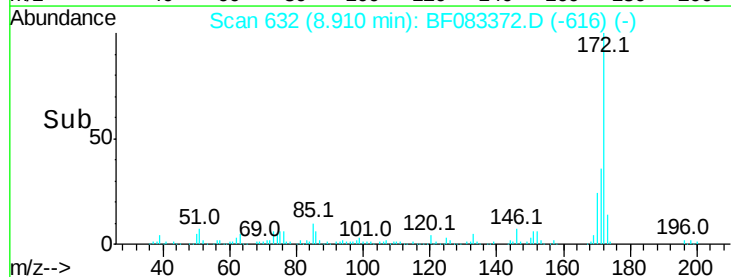
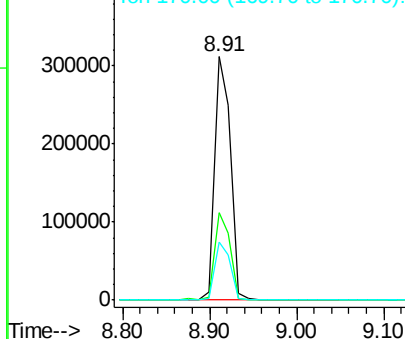


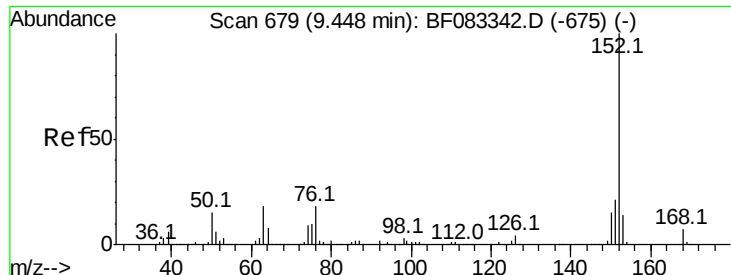
#44
 2-Fluorobiphenyl
 Concen: 20.30 ng
 RT: 8.91 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: BF083372.D
 Acq: 1 Dec 2015 11:15

Tgt Ion:	172	Resp:	402091
Ion Ratio	Lower	Upper	
172	100		
171	36.0	29.4	44.0
170	23.9	20.4	30.6



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 20.56 ng

RT: 9.45 min Scan# 679

Delta R.T. -0.00 min

Lab File: BF083372.D

Acq: 1 Dec 2015 11:15

Instrument :

BNA_F

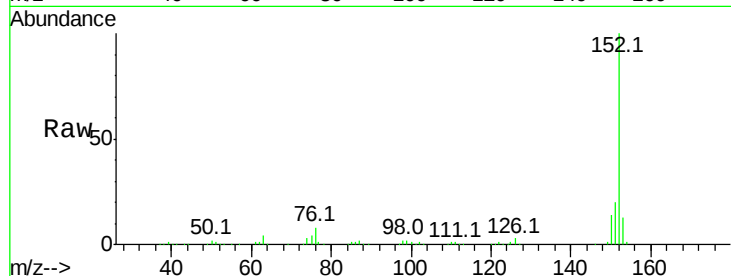
ClientSampleId :

PT-BNA-SOILD

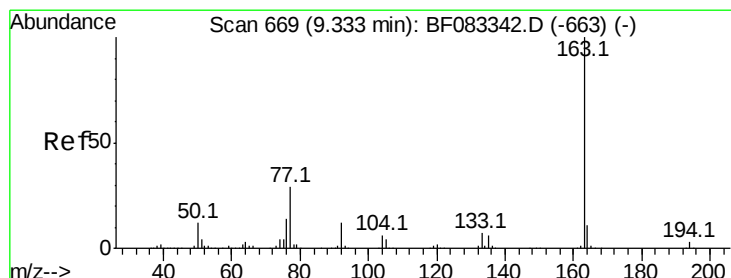
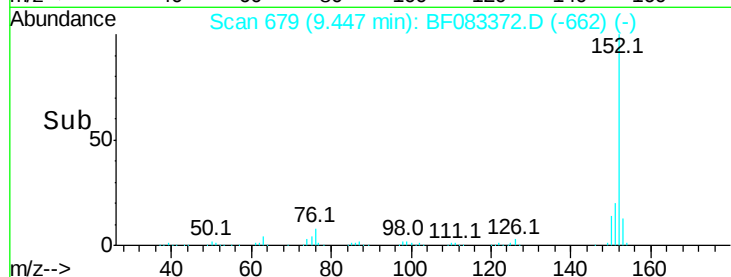
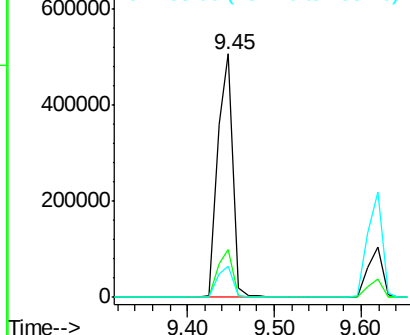
Tot Ion:	152	Resp:	618653
Ion Ratio	Lower	Upper	
152	100		
151	19.9	16.7	25.1
153	12.8	11.2	16.8

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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: 35.45 ng

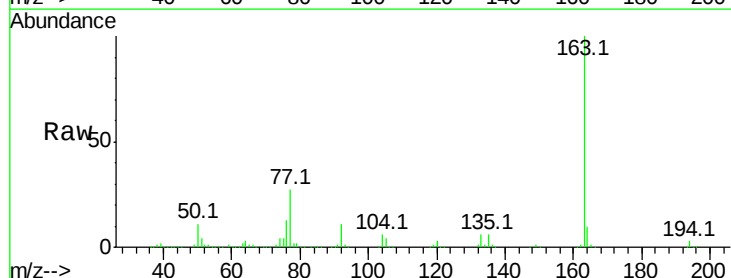
RT: 9.32 min Scan# 668

Delta R.T. -0.01 min

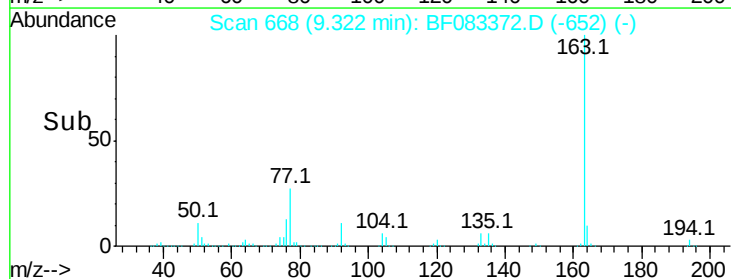
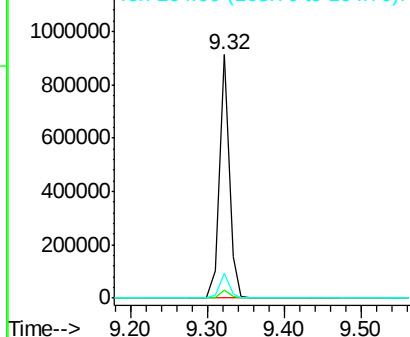
Lab File: BF083372.D

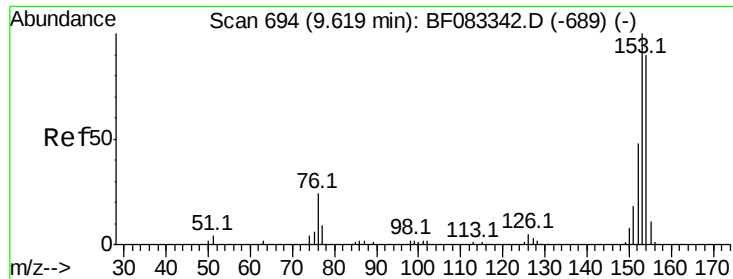
Acq: 1 Dec 2015 11:15

Tgt Ion:	163	Resp:	813259
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.7	4.1
164	10.3	8.8	13.2



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





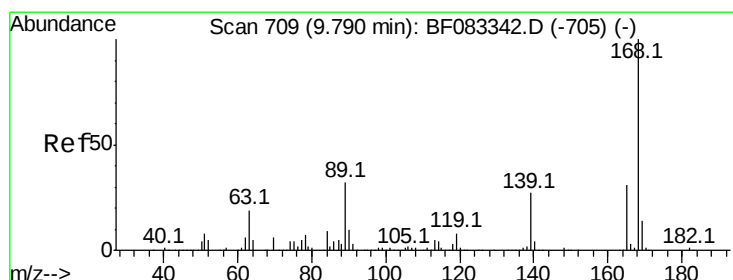
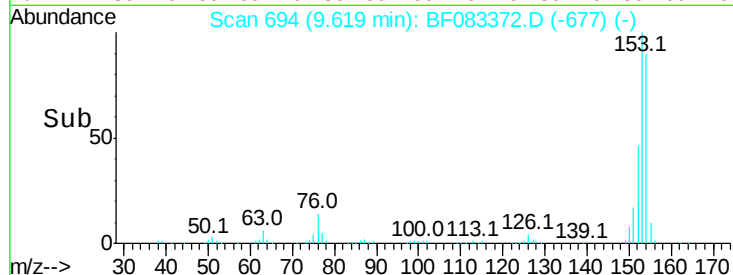
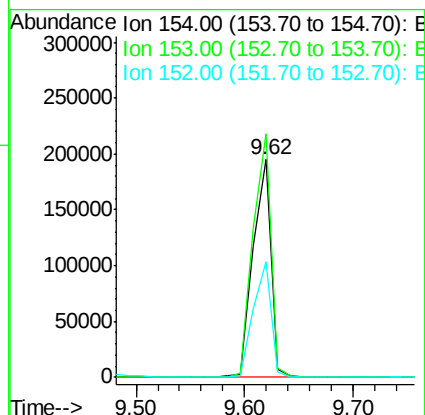
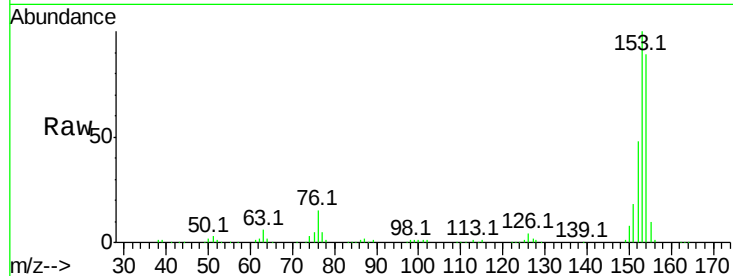
#51
Acenaphthene
Concen: 12.62 ng
RT: 9.62 min Scan# 694
Delta R.T. -0.00 min
Lab File: BF083372.D
Acq: 1 Dec 2015 11:15

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILD

Tot Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.3	133.9
152	53.4	42.5	63.7

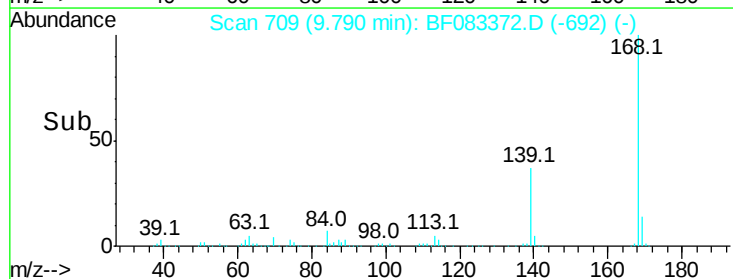
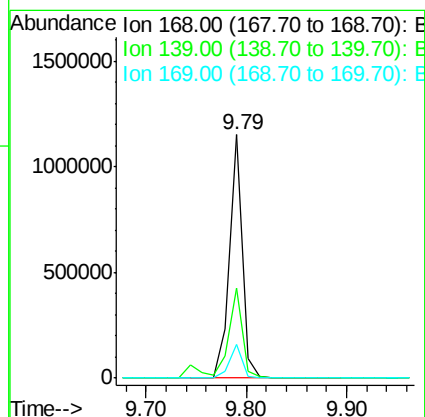
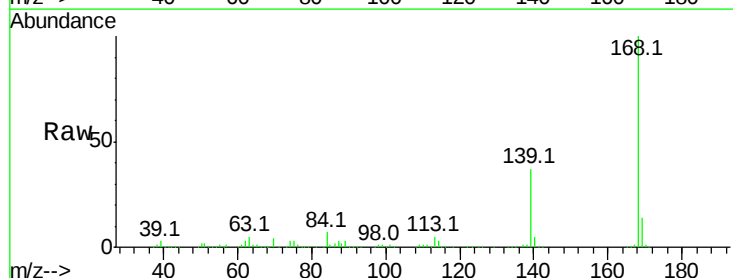
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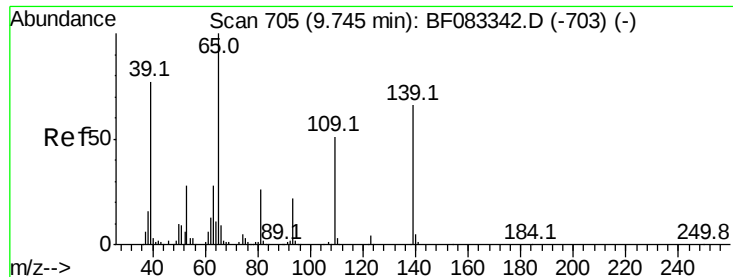
Mmdadoda
12/1/2015 6:35:22 PM



#54
Dibenzofuran
Concen: 39.55 ng
RT: 9.79 min Scan# 709
Delta R.T. -0.00 min
Lab File: BF083372.D
Acq: 1 Dec 2015 11:15

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.9	32.7	49.1
169	13.8	11.1	16.7





#55

4-Nitrophenol

Concen: 19.00 ng/mL

RT: 9.74 min Scan# 705

Delta R.T. 0.00 min

Lab File: BF083372.D

Acq: 1 Dec 2015 11:15

Instrument :

BNA_F

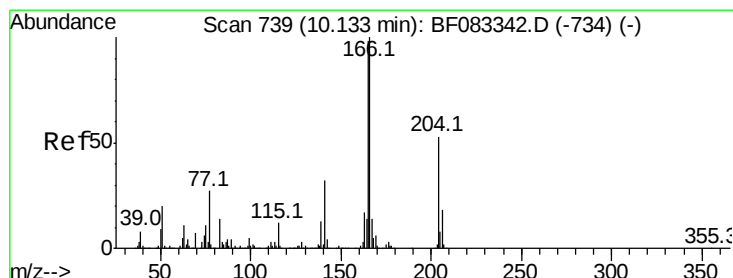
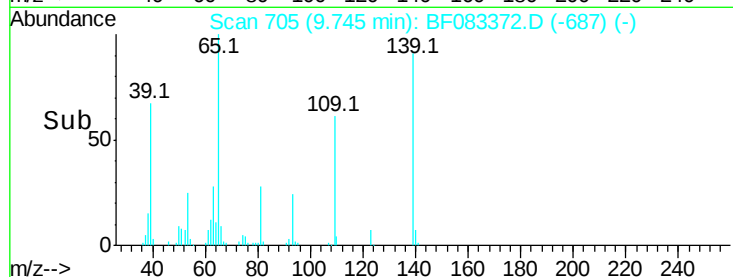
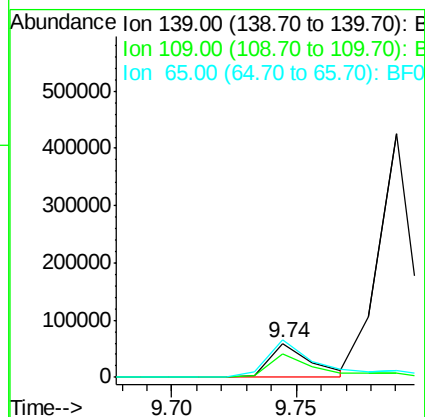
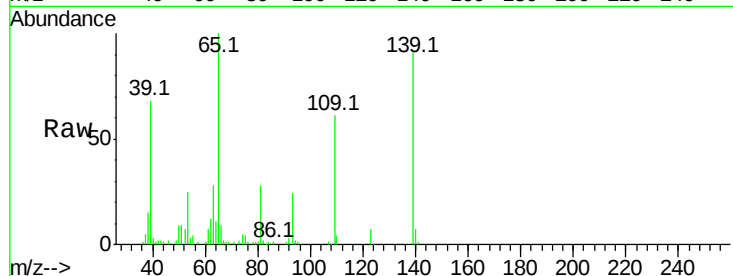
ClientSampleId :

PT-BNA-SOILDL

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Tot Ion	Ratio	Lower	Upper
139	100		
109	67.3	57.4	97.4
65	109.7	131.6	171.6



#57

Fluorene

Concen: 29.98 ng

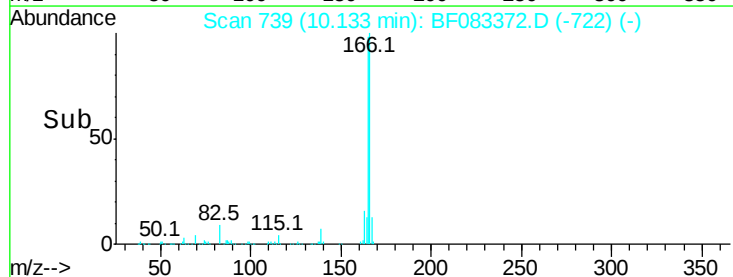
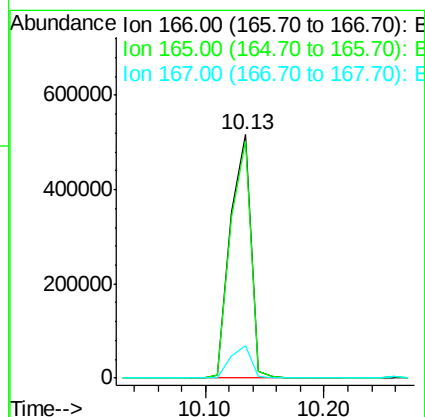
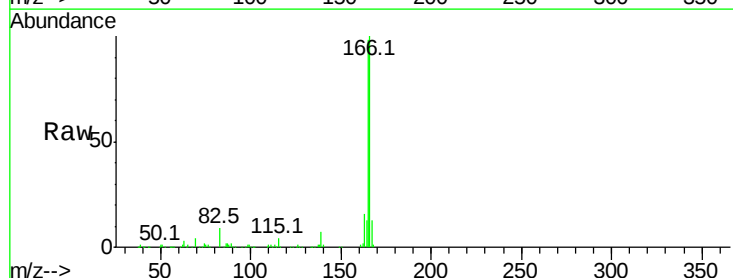
RT: 10.13 min Scan# 739

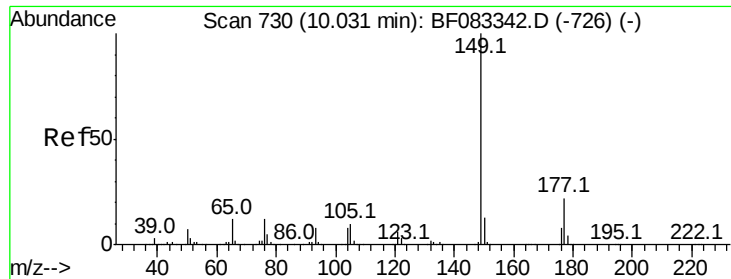
Delta R.T. -0.00 min

Lab File: BF083372.D

Acq: 1 Dec 2015 11:15

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.3	117.5
167	13.1	11.1	16.7





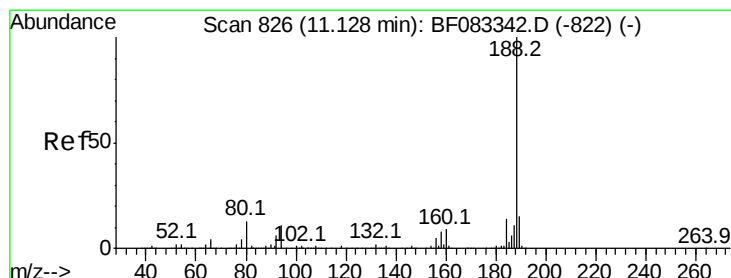
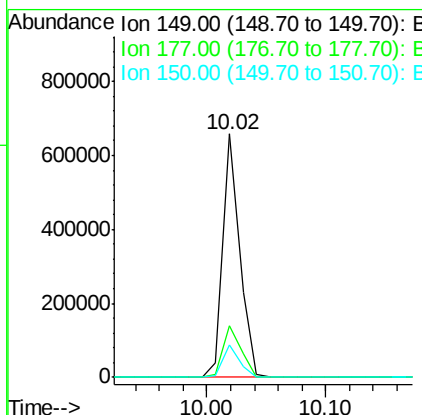
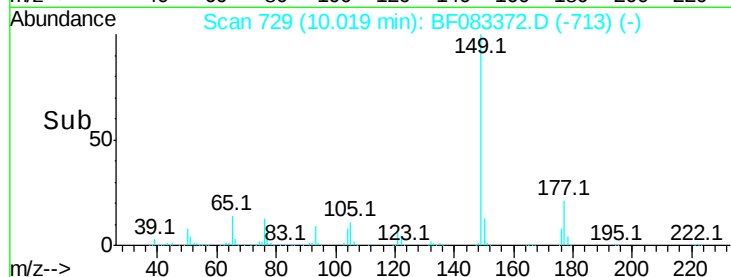
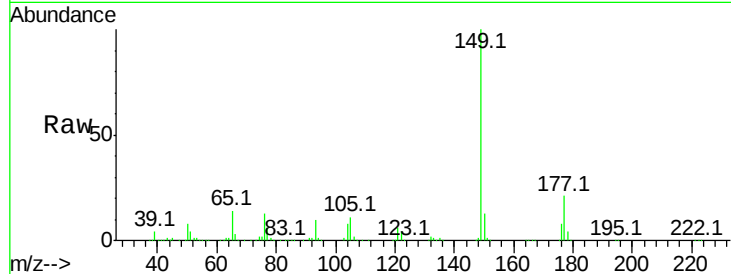
#59
Diethylphthalate
Concen: 29.41 ng
RT: 10.02 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF083372.D
Acq: 1 Dec 2015 11:15

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILD

Tot Ion	Ratio	Resp	Lower	Upper
149	100	643097		
177	21.3		17.4	26.2
150	13.1		10.4	15.6

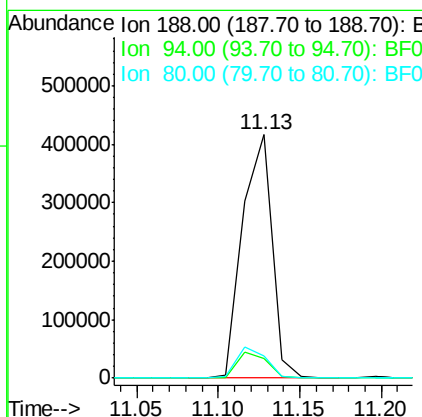
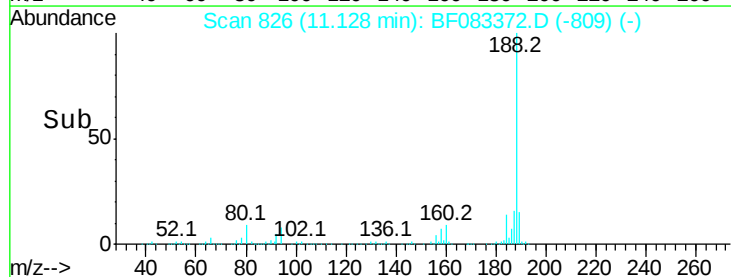
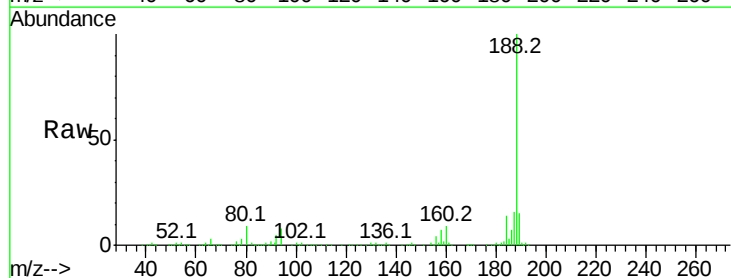
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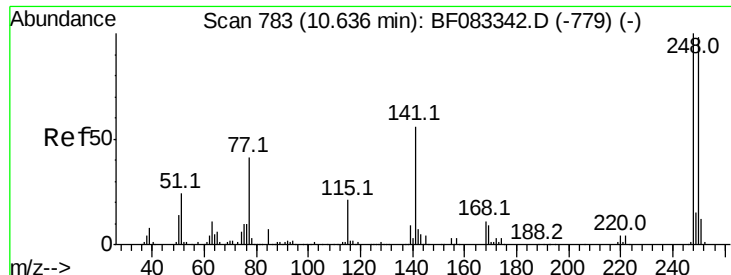
Mmdadoda
12/1/2015 6:35:22 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 826
Delta R.T. -0.00 min
Lab File: BF083372.D
Acq: 1 Dec 2015 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	523203		
94	8.1		8.7	13.1#
80	8.9		10.3	15.5#





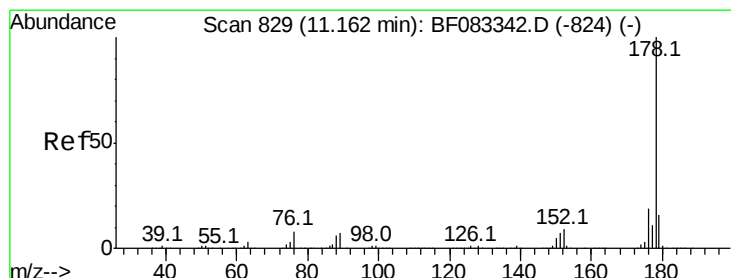
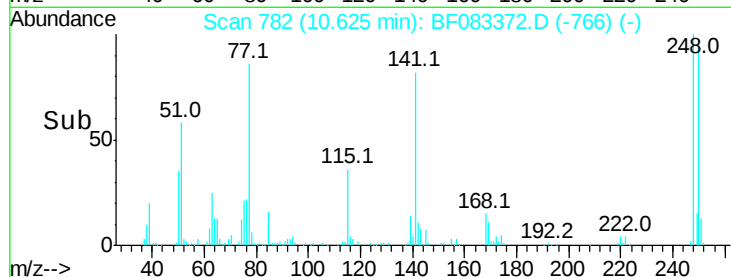
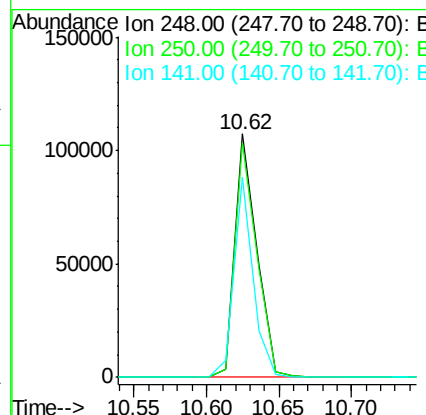
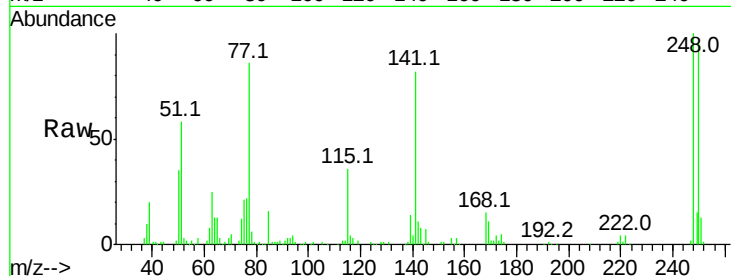
#66
 4-Bromophenyl-phenylether
 Concen: 19.62 ng
 RT: 10.62 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF083372.D
 Acq: 1 Dec 2015 11:15

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILD

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.4	78.6	118.0
141	82.3	44.4	66.6

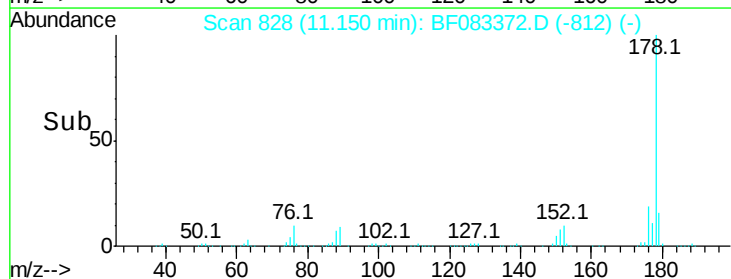
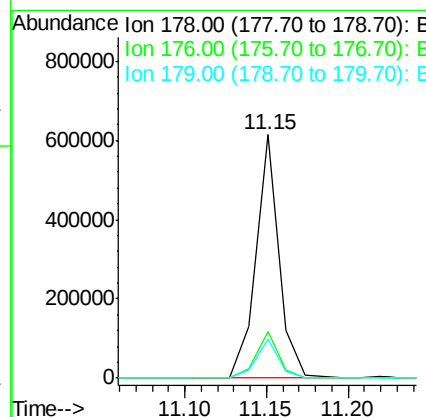
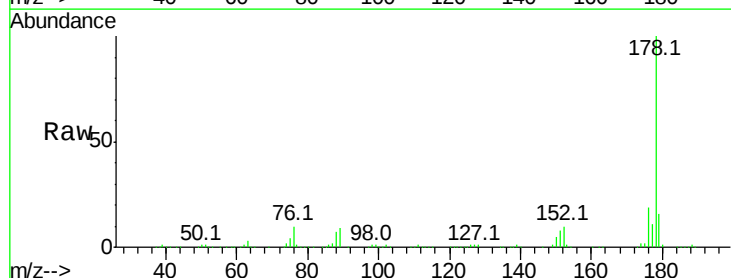
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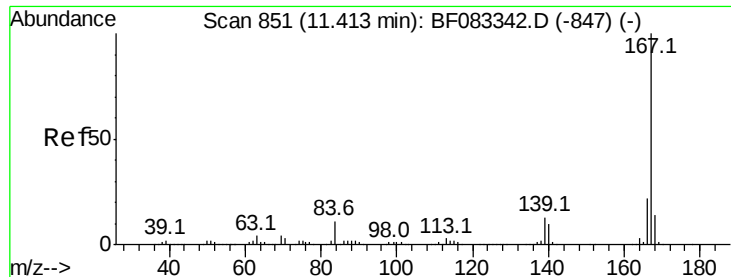
Mmdadoda
 12/1/2015 6:35:22 PM



#70
 Phenanthrene
 Concen: 19.47 ng
 RT: 11.15 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BF083372.D
 Acq: 1 Dec 2015 11:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.7	12.4	18.6





#72

Carbazole

Concen: 5.15 ng

RT: 11.41 min Scan# 851

Delta R.T. -0.00 min

Lab File: BF083372.D

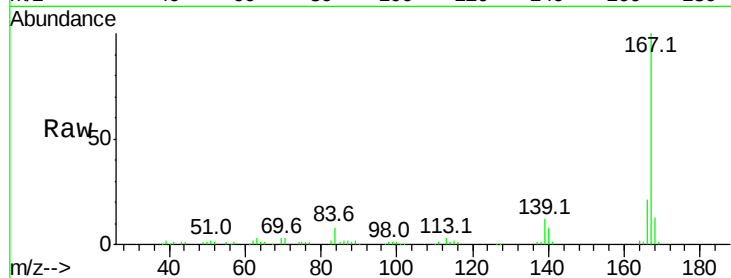
Acq: 1 Dec 2015 11:15

Instrument :

BNA_F

ClientSampleId :

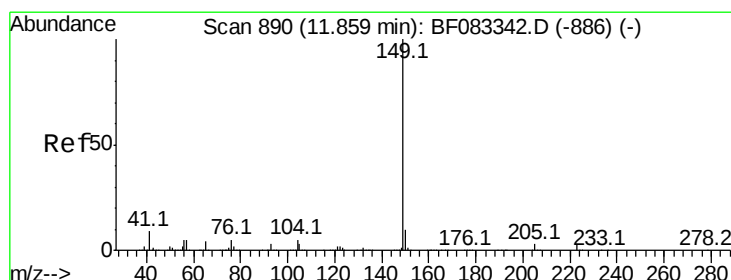
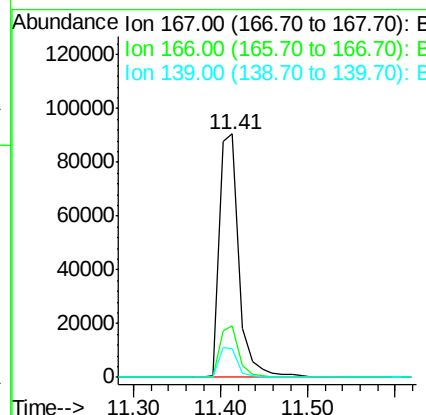
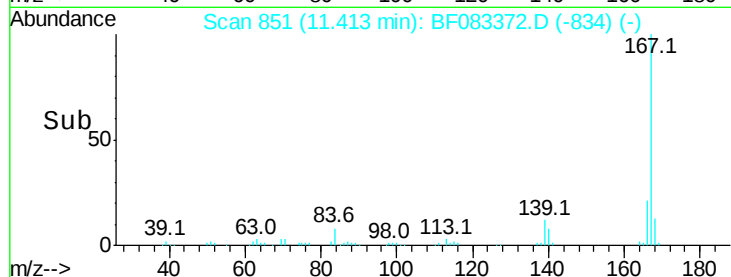
PT-BNA-SOILD



Tot Ion:	167	Resp:	144257
Ion Ratio	Lower	Upper	
167	100		
166	21.0	17.4	26.0
139	11.8	10.5	15.7

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#73

Di-n-butylphthalate

Concen: 9.73 ng

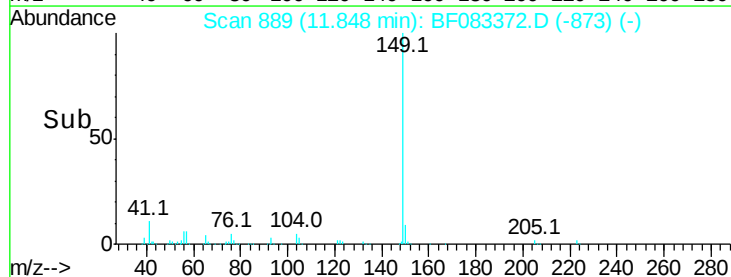
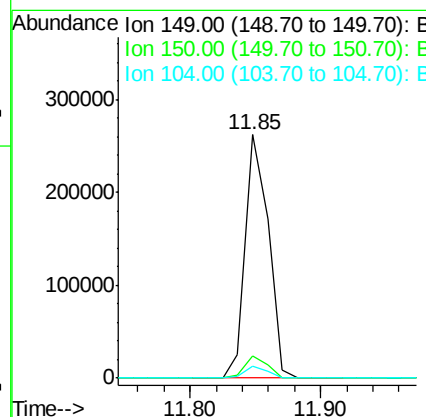
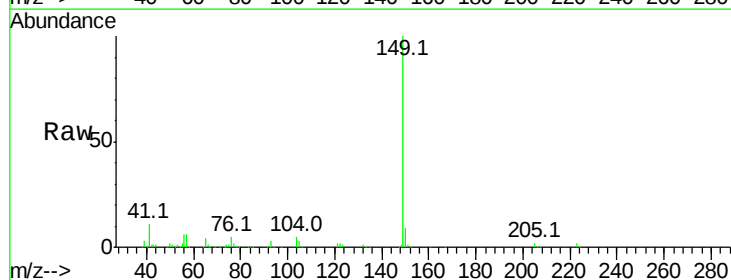
RT: 11.85 min Scan# 889

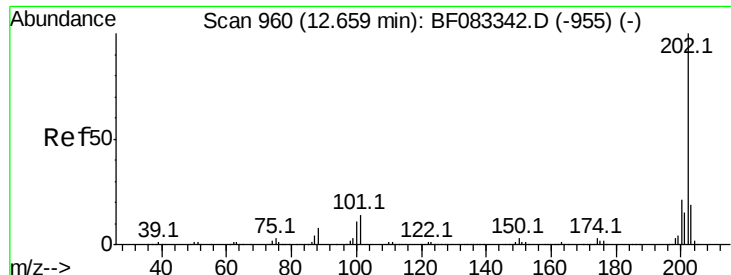
Delta R.T. -0.01 min

Lab File: BF083372.D

Acq: 1 Dec 2015 11:15

Tgt Ion:	149	Resp:	323065
Ion Ratio	Lower	Upper	
149	100		
150	8.9	7.7	11.5
104	5.0	4.0	6.0





#74

Fluoranthene

Concen: 19.60 ng

RT: 12.66 min Scan# 960

Delta R.T. -0.00 min

Lab File: BF083372.D

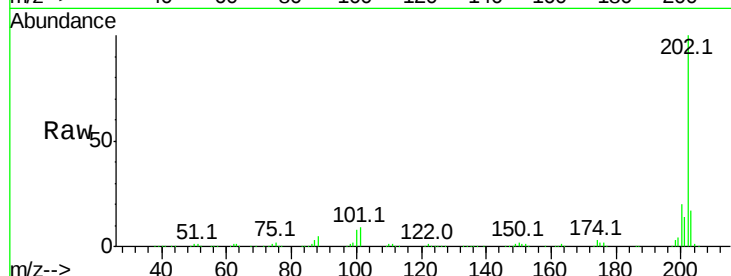
Acq: 1 Dec 2015 11:15

Instrument :

BNA_F

ClientSampleId :

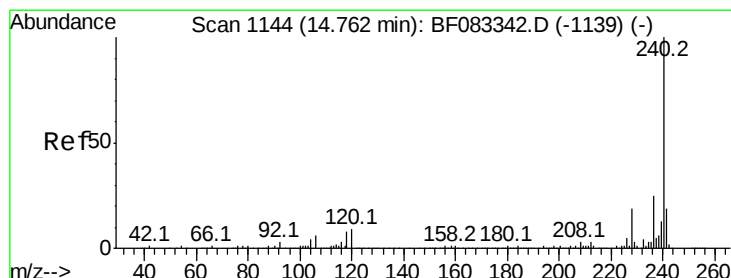
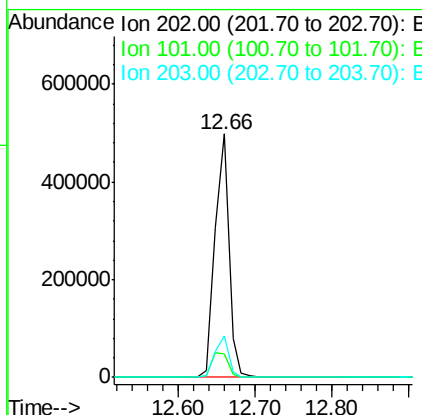
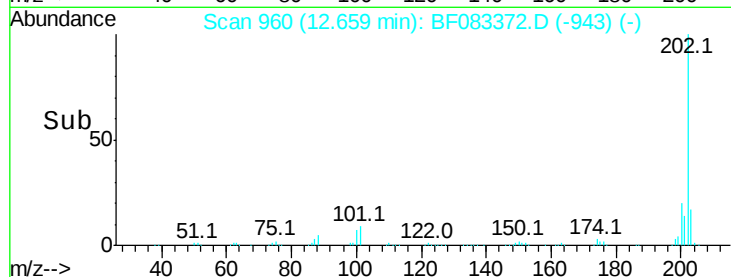
PT-BNA-SOILDL



Tot Ion	Ratio	Resp	Lower	Upper
202	100	629041		
101	9.5		0.0	34.5
203	17.1		0.0	38.7

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#75

Chrysene-d12

Concen: 20.00 ng

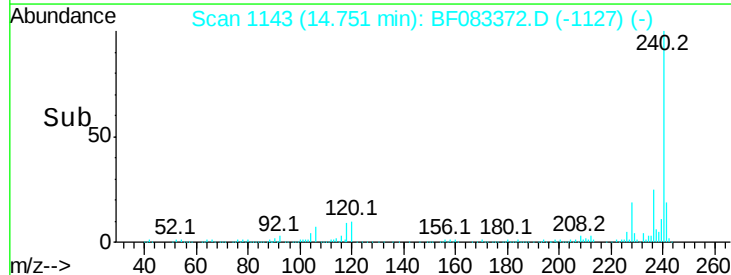
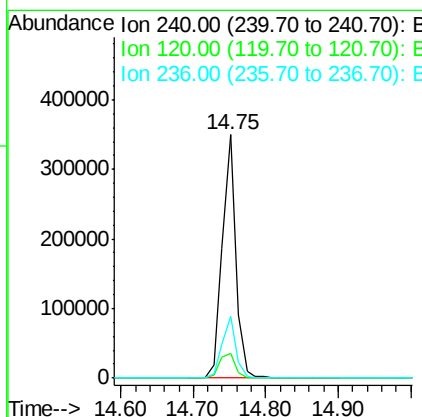
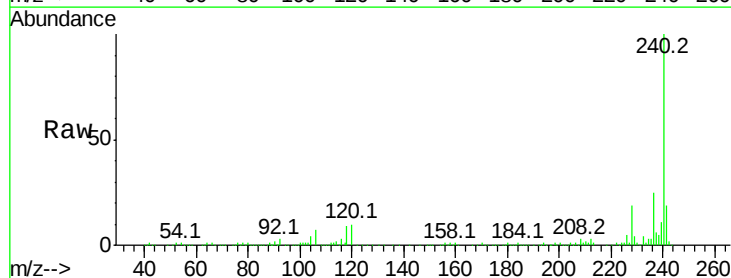
RT: 14.75 min Scan# 1143

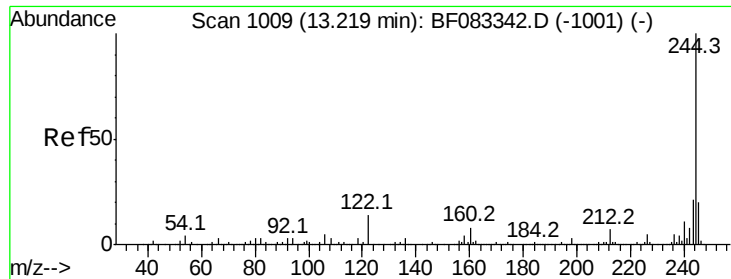
Delta R.T. -0.01 min

Lab File: BF083372.D

Acq: 1 Dec 2015 11:15

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	456458		
120	10.4		6.9	10.3#
236	25.4		19.8	29.6





#78

Terphenyl-d14

Concen: 23.16 ng

RT: 13.21 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF083372.D

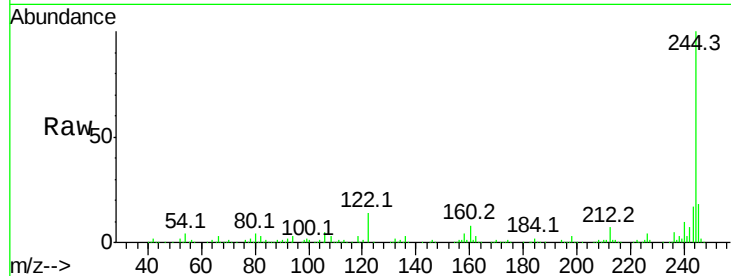
Acq: 1 Dec 2015 11:15

Instrument :

BNA_F

ClientSampleId :

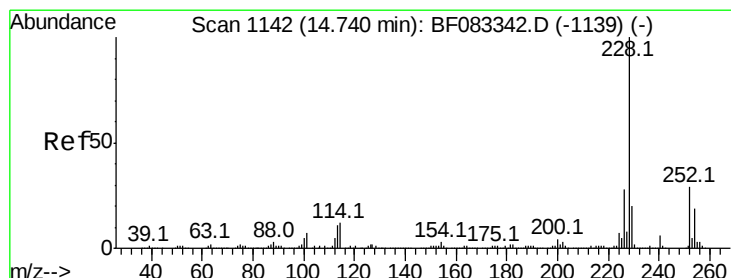
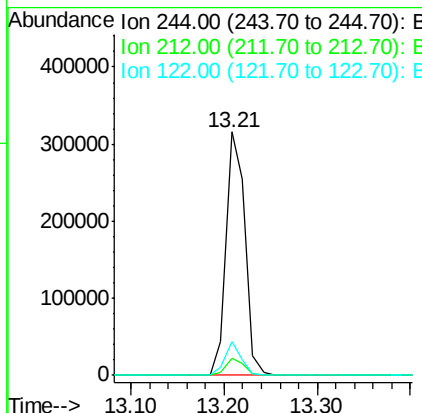
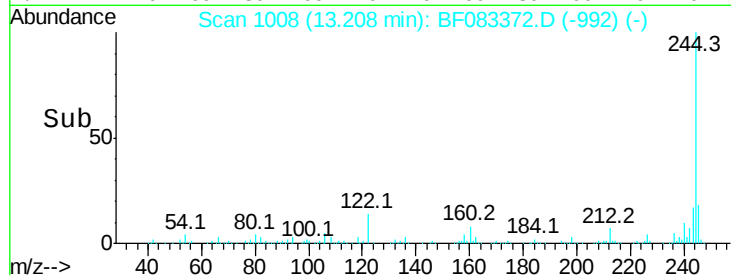
PT-BNA-SOILDL



Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	14.1	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 21.25 ng

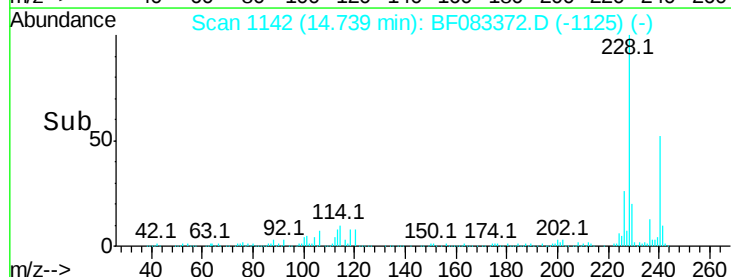
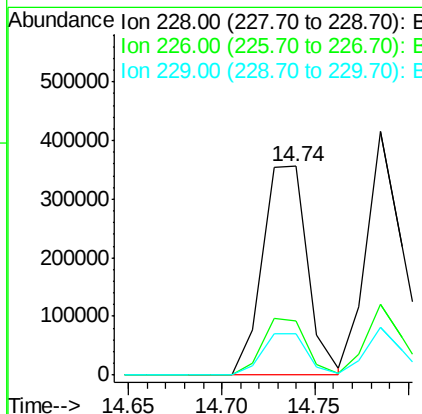
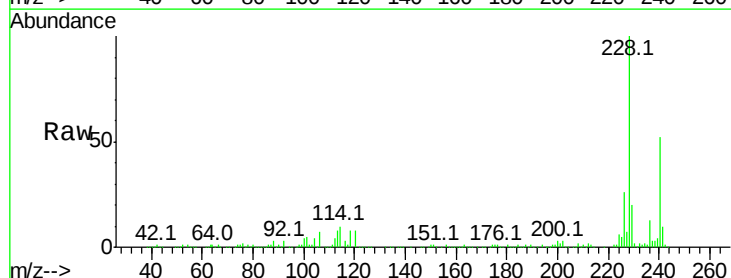
RT: 14.74 min Scan# 1142

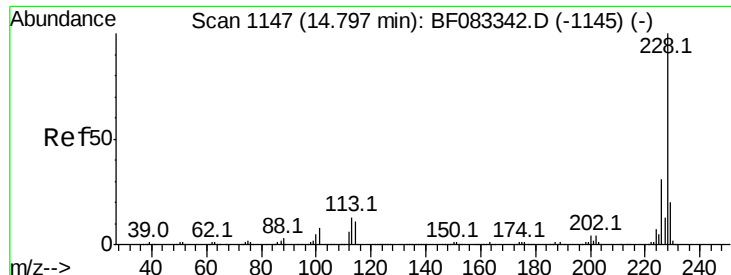
Delta R.T. -0.00 min

Lab File: BF083372.D

Acq: 1 Dec 2015 11:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.9	22.2	33.4
229	19.9	16.1	24.1





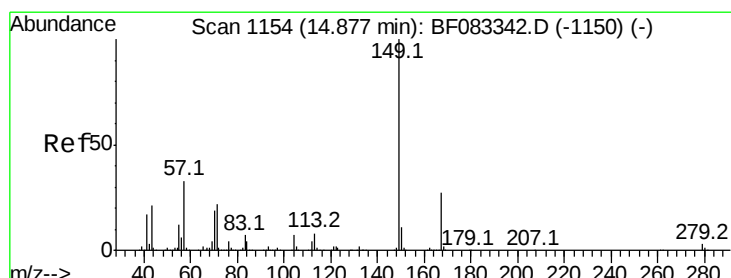
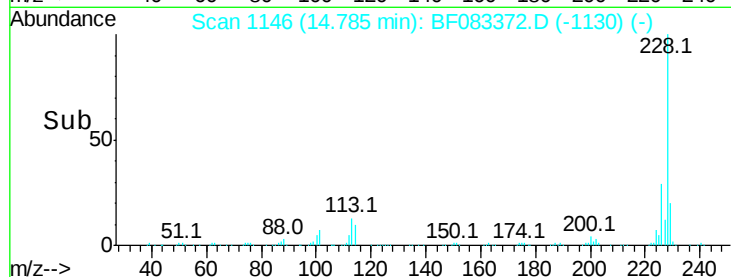
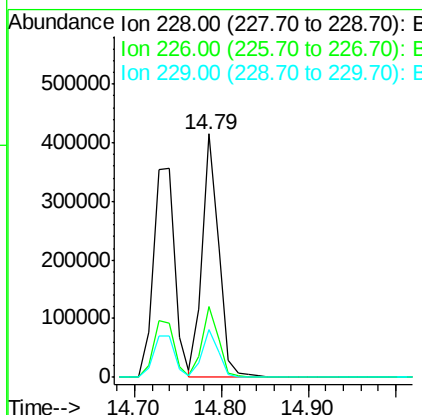
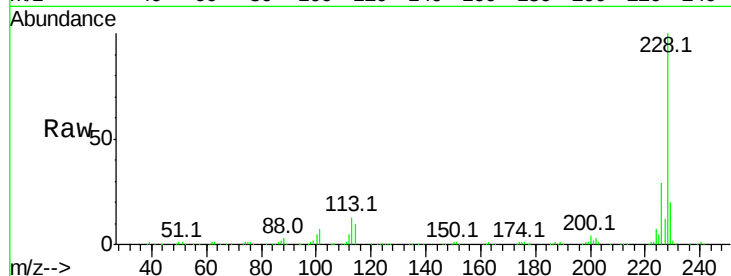
#82
 Chrysene
 Concen: 20.25 ng
 RT: 14.79 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF083372.D
 Acq: 1 Dec 2015 11:15

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILD

Tot Ion:	228	Resp:	547101
Ion Ratio	Lower	Upper	
228	100		
226	29.1	24.6	37.0
229	19.6	16.2	24.2

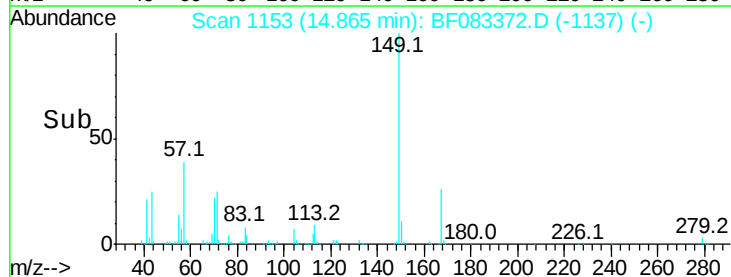
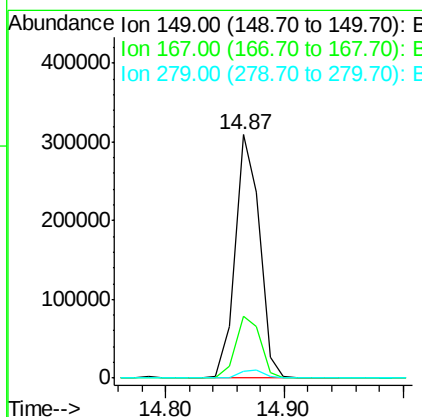
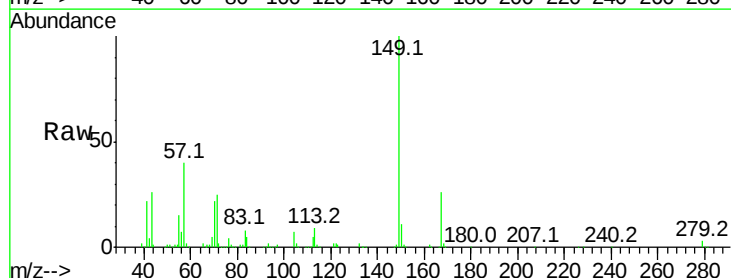
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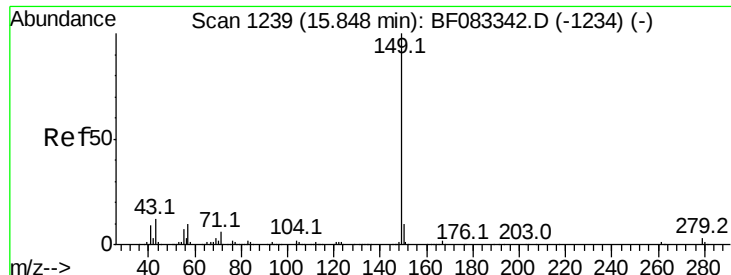
Mmdadoda
 12/1/2015 6:35:22 PM



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 24.30 ng
 RT: 14.87 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BF083372.D
 Acq: 1 Dec 2015 11:15

Tgt Ion:	149	Resp:	440840
Ion Ratio	Lower	Upper	
149	100		
167	25.6	21.5	32.3
279	2.6	2.6	3.8





#84

Di-n-octyl phthalate

Concen: 23.64 ng

RT: 15.84 min Scan# 1238

Delta R.T. -0.01 min

Lab File: BF083372.D

Acq: 1 Dec 2015 11:15

Instrument :

BNA_F

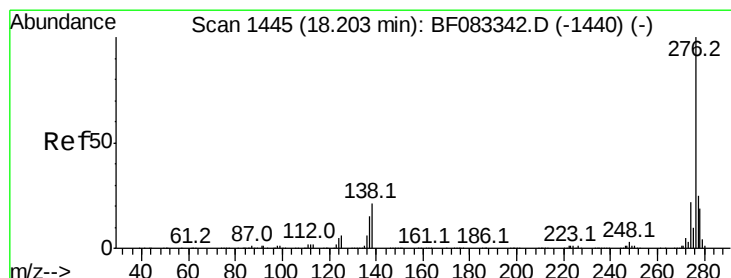
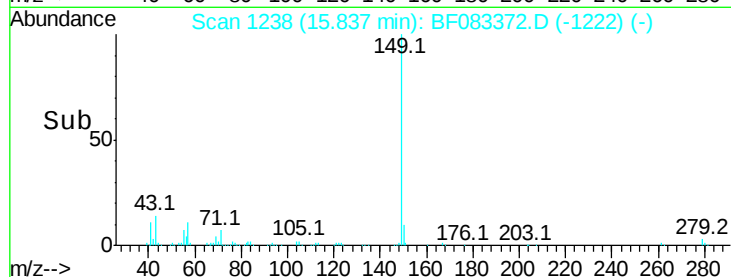
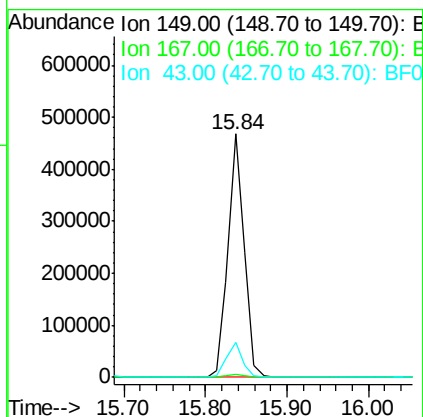
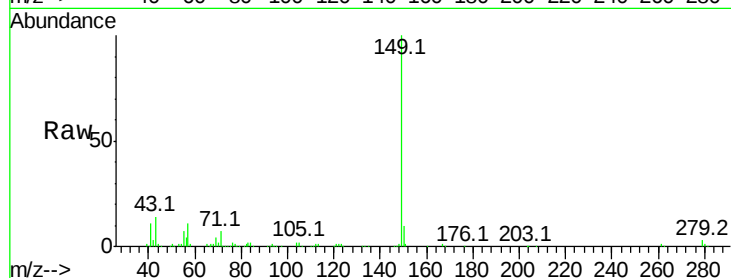
ClientSampleId :

PT-BNA-SOILD

Tot Ion:	149	Resp:	638653
Ion Ratio	Lower	Upper	
149	100		
167	1.5	1.2	1.8
43	14.1	11.0	16.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.13 ng

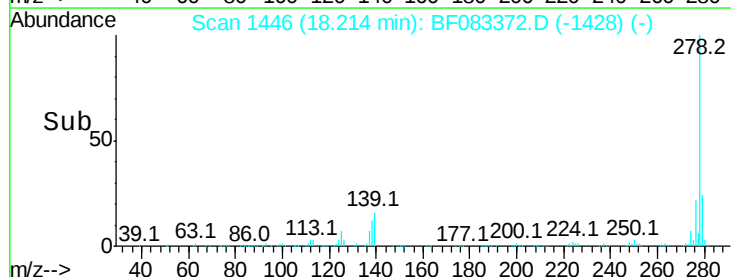
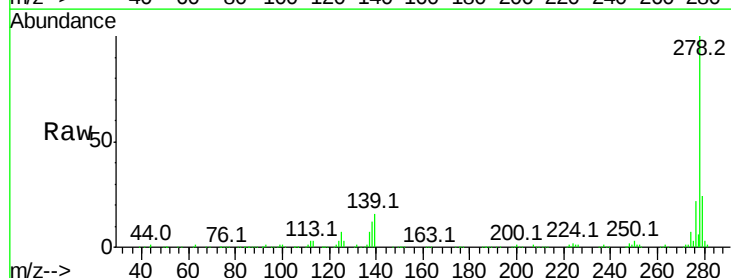
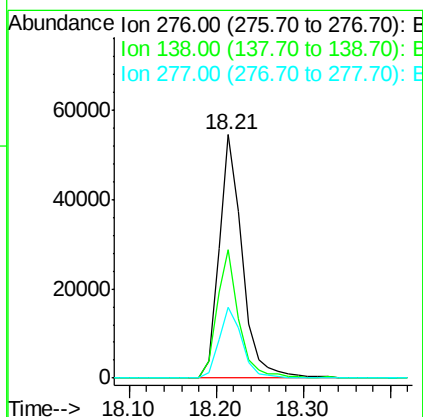
RT: 18.21 min Scan# 1446

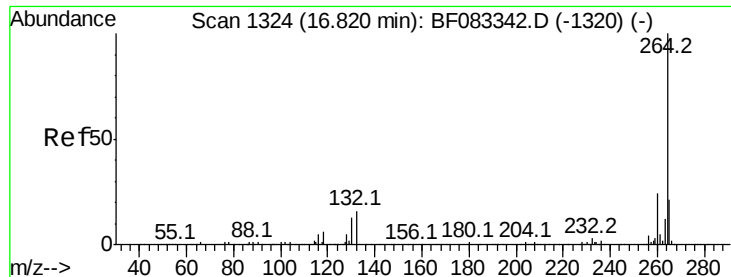
Delta R.T. 0.01 min

Lab File: BF083372.D

Acq: 1 Dec 2015 11:15

Tgt Ion:	276	Resp:	101036
Ion Ratio	Lower	Upper	
276	100		
138	50.1	21.2	31.8#
277	29.2	20.0	30.0





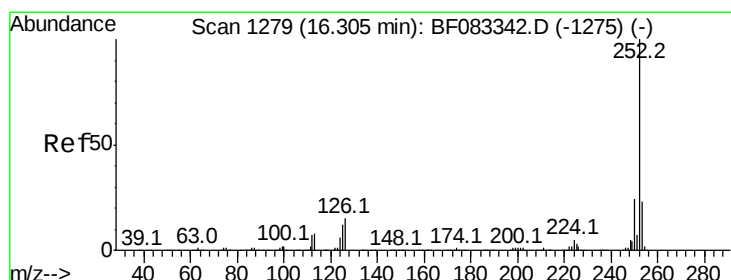
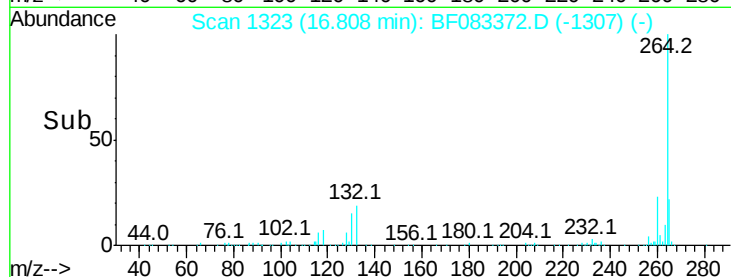
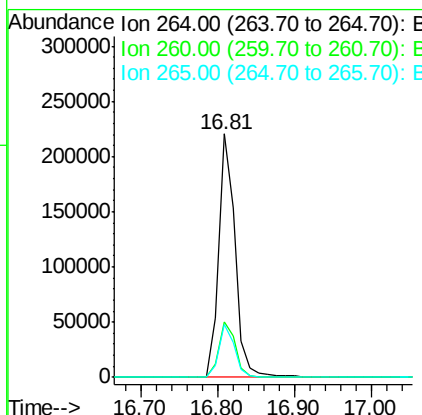
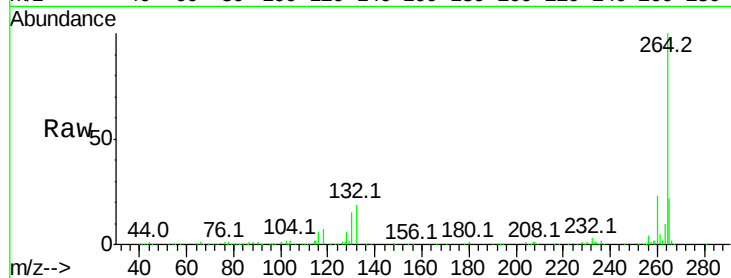
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.81 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF083372.D
Acq: 1 Dec 2015 11:15

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILD

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.0	28.4
265	21.7	16.8	25.2

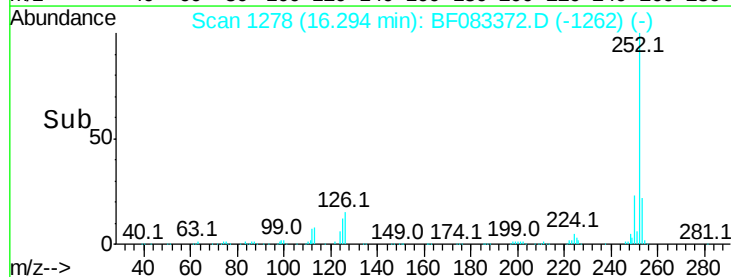
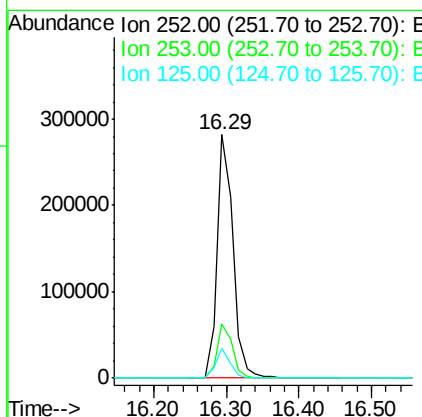
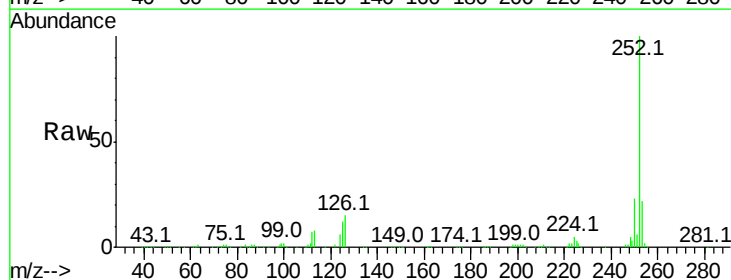
Manual Integrations
APPROVED

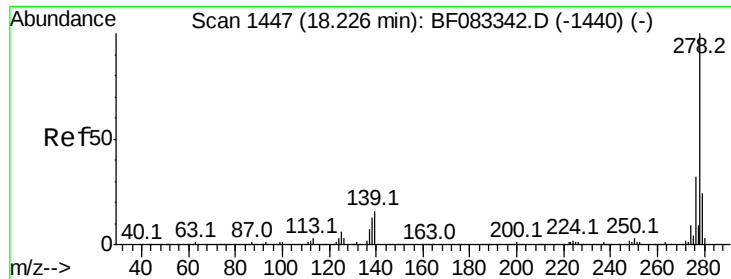
Mmdadoda
12/1/2015 6:35:22 PM



#87
Benzo(b)fluoranthene
Concen: 20.23 ng
RT: 16.29 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF083372.D
Acq: 1 Dec 2015 11:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.4	27.6
125	12.3	9.6	14.4





#90

Dibenzo(a,h)anthracene

Concen: 28.16 ng

RT: 18.21 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BF083372.D

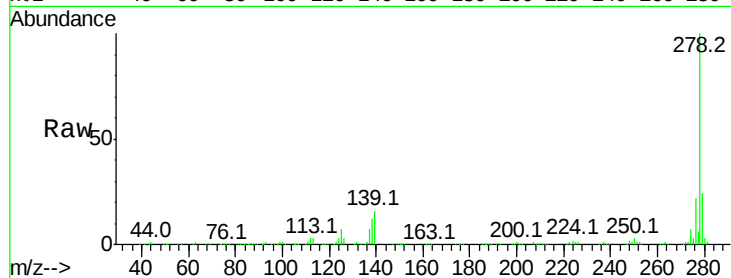
Acq: 1 Dec 2015 11:15

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILDL



Tot Ion:	278	Resp:	447582
Ion Ratio	Lower	Upper	
278	100		
139	16.2	13.1	19.7
279	23.5	19.2	28.8

Manual Integrations
APPROVED

Mmdadoda
12/1/2015 6:35:22 PM

