

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
 Data File : BF087106.D
 Acq On : 17 May 2016 16:53
 Operator : UM/SJ
 Sample : H2817-15DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILD

Manual Integrations
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 5/18/2016 6:57:19 PM

Quant Time: May 18 02:07:23 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 17 16:55:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	146380	20.00	ng	-0.01
21) Naphthalene-d8	7.88	136	609411	20.00	ng	-0.01
38) Acenaphthene-d10	9.63	164	310162	20.00	ng	-0.01
63) Phenanthrene-d10	11.11	188	570885	20.00	ng	-0.01
75) Chrysene-d12	13.74	240	463730	20.00	ng	-0.02
86) Perylene-d12	15.10	264	437066	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	196539	22.57	ng	-0.02
7) Phenol-d6	6.26	99	270159	23.13	ng	-0.02
23) Nitrobenzene-d5	7.16	82	189220	15.47	ng	-0.02
41) 2,4,6-Tribromophenol	10.42	330	73017	21.30	ng	-0.02
44) 2-Fluorobiphenyl	8.96	172	352946	18.85	ng	-0.02
78) Terphenyl-d14	12.69	244	331683	16.18	ng	-0.02

Target Compounds						Qvalue
8) 2-Chlorophenol	6.38	128	199453	18.82	ng	# 79
10) Phenol	6.27	94	403749	27.50	ng	91
11) bis(2-Chloroethyl)ether	6.33	93	225731	20.47	ng	# 81
12) 1,3-Dichlorobenzene	6.52	146	400424m	35.55	ng	
13) 1,4-Dichlorobenzene	6.60	146	452525m	39.27	ng	
14) 1,2-Dichlorobenzene	6.76	146	517421	51.29	ng	99
18) Hexachloroethane	7.10	117	171622	38.95	ng	95
25) Isophorone	7.43	82	784762	35.06	ng	98
29) 2,4-Dichlorophenol	7.76	162	134976	16.23	ng	98
30) 1,2,4-Trichlorobenzene	7.83	180	269689	29.22	ng	98
31) Naphthalene	7.91	128	421196	14.15	ng	99
34) Hexachlorobutadiene	8.02	225	78087	14.91	ng	98
36) 4-Chloro-3-methylphenol	8.47	107	345716	34.46	ng	97
37) 2-Methylnaphthalene	8.59	142	746211	39.18	ng	# 96
42) 2,4,6-Trichlorophenol	8.89	196	158995	27.06	ng	92
43) 2,4,5-Trichlorophenol	8.94	196	79174	12.97	ng	# 93
46) 2-Chloronaphthalene	9.08	162	404909	20.51	ng	99
51) Acenaphthene	9.66	154	331067	17.58	ng	97
55) 4-Nitrophenol	9.80	139	104010	39.24	ng	# 70
59) Diethylphthalate	10.07	149	446126	19.75	ng	96
60) 4-Chlorophenyl-phenylether	10.17	204	313098	33.75	ng	96
66) 4-Bromophenyl-phenylether	10.66	248	109832	18.71	ng	# 88
69) Pentachlorophenol	10.93	266	69538	27.20	ng	96
71) Anthracene	11.19	178	614528	19.62	ng	98
73) Di-n-butylphthalate	11.69	149	982770	29.91	ng	98
77) Pyrene	12.54	202	900857	26.89	ng	99
79) Butylbenzylphthalate	13.18	149	250967	17.75	ng	95
82) Chrysene	13.76	228	701994	27.06	ng	99
83) Bis(2-ethylhexyl)phthalate	13.74	149	407698	23.69	ng	98
84) Di-n-octyl phthalate	14.34	149	733846	24.75	ng	# 83
87) Benzo(b)fluoranthene	14.73	252	394576m	13.61	ng	
88) Benzo(k)fluoranthene	14.75	252	618973m	28.67	ng	
91) Benzo(a,h,i)perylene	16.70	276	251759	12.22	ng	94

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
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Sample : H2817-15DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILD

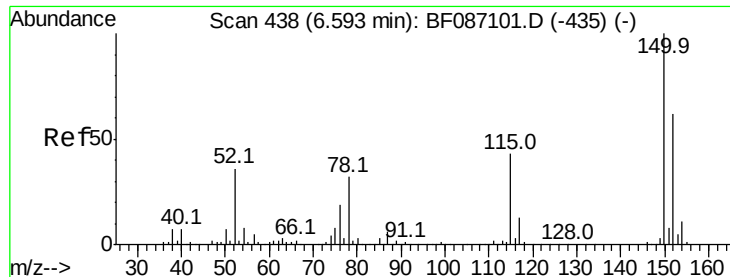
Manual Integrations
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Quant Time: May 18 02:07:23 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 17 16:55:01 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.59 min Scan# 438

Delta R.T. -0.01 min

Lab File: BF087106.D

Acq: 17 May 2016 16:53

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILDL

Tot Ion:152 Resp: 146380

Ion Ratio Lower Upper

152 100

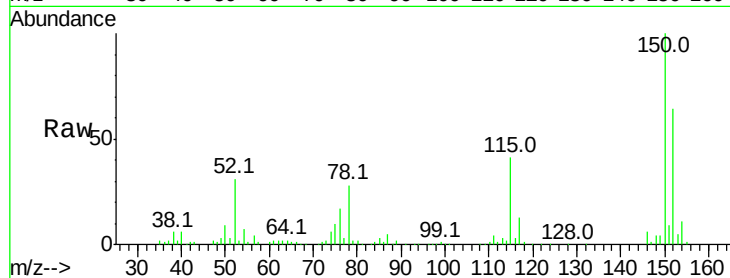
150 155.9 125.8 188.6

115 63.7 51.5 77.3

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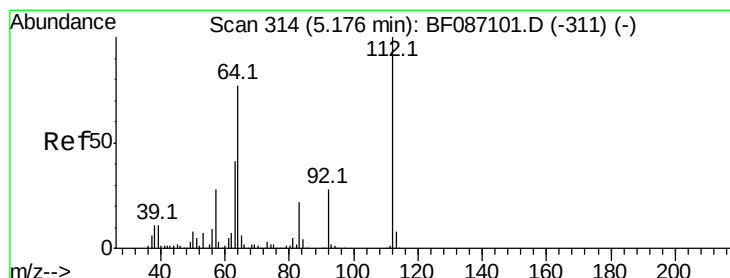
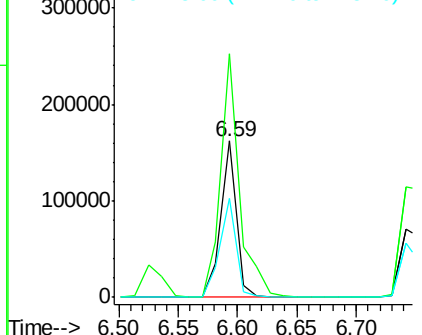
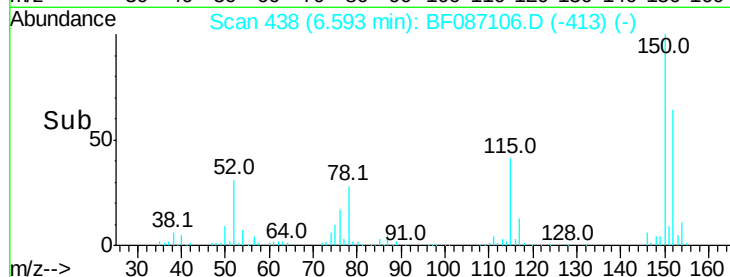
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 22.57 ng

RT: 5.18 min Scan# 314

Delta R.T. -0.02 min

Lab File: BF087106.D

Acq: 17 May 2016 16:53

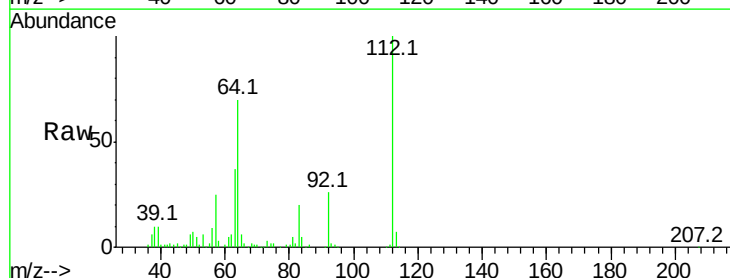
Tgt Ion:112 Resp: 196539

Ion Ratio Lower Upper

112 100

64 70.1 52.1 78.1

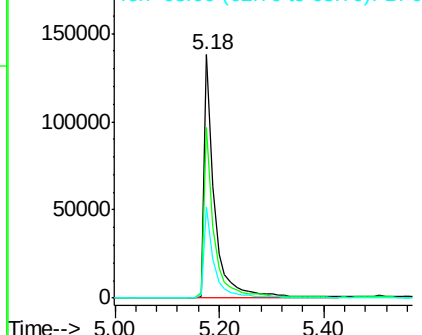
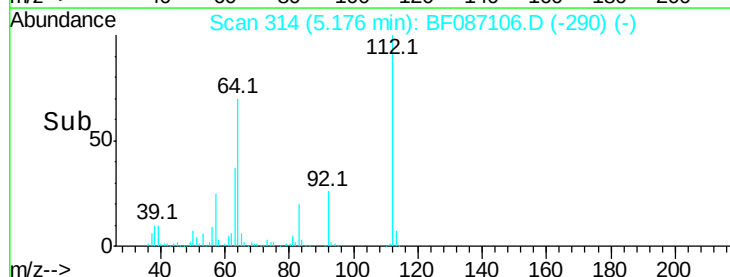
63 37.4 25.7 38.5

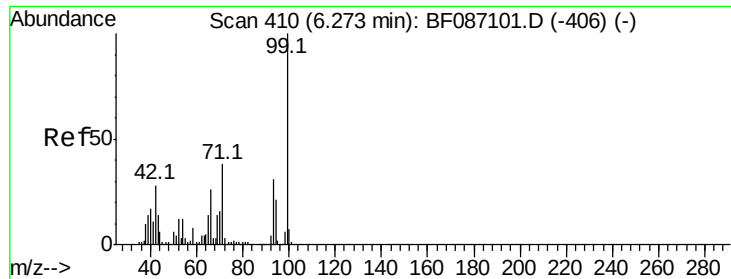


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 23.13 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.02 min

Lab File: BF087106.D

Acq: 17 May 2016 16:53

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD

Tot Ion: 99 Resp: 270159

Ion Ratio Lower Upper

99 100

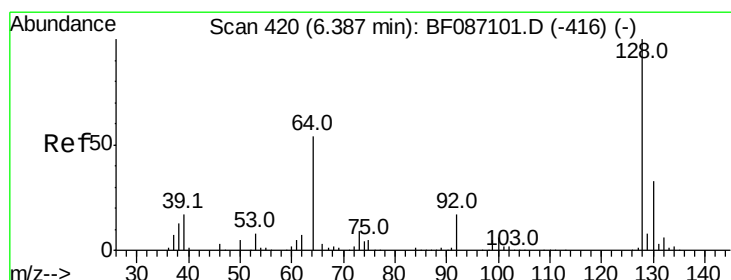
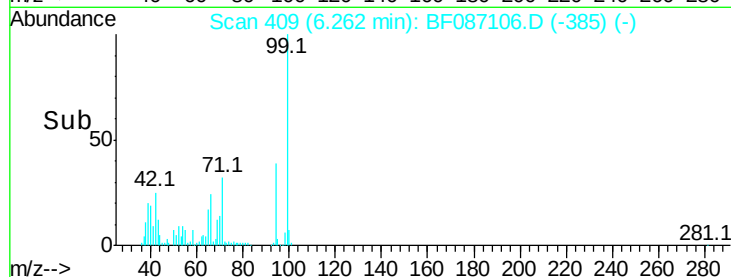
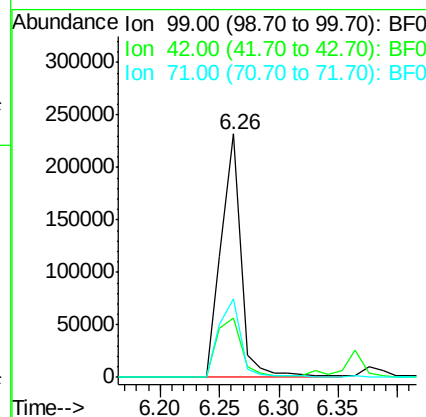
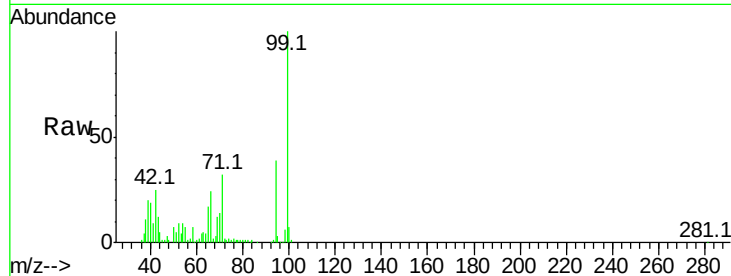
42 24.6 13.6 20.4#

71 32.2 24.6 36.8

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#8

2-Chlorophenol

Concen: 18.82 ng

RT: 6.38 min Scan# 419

Delta R.T. -0.02 min

Lab File: BF087106.D

Acq: 17 May 2016 16:53

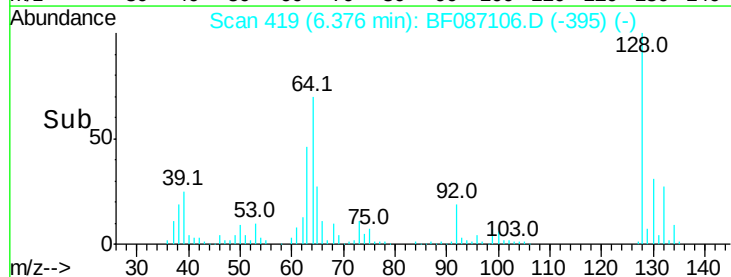
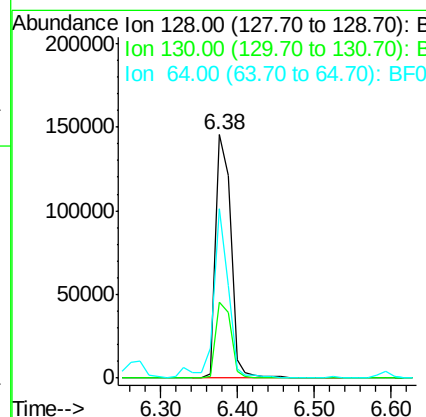
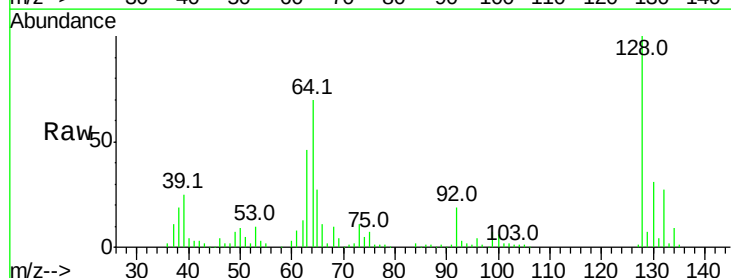
Tgt Ion: 128 Resp: 199453

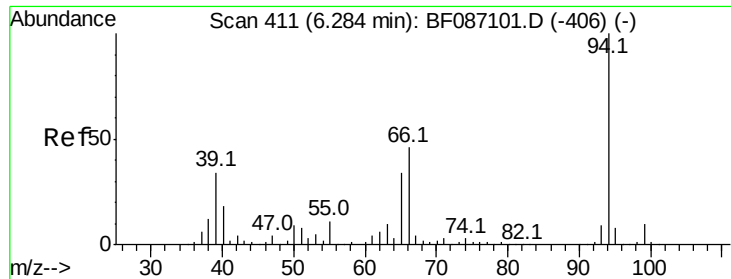
Ion Ratio Lower Upper

128 100

130 31.2 12.5 52.5

64 69.7 27.3 67.3#





#10

Phenol

Concen: 27.50 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.02 min

Lab File: BF087106.D

Acq: 17 May 2016 16:53

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD

Tot Ion: 94 Resp: 403749

Ion Ratio Lower Upper

94 100

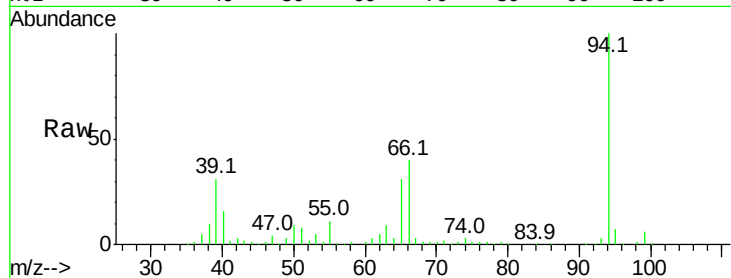
65 31.2 7.2 47.2

66 40.5 14.9 54.9

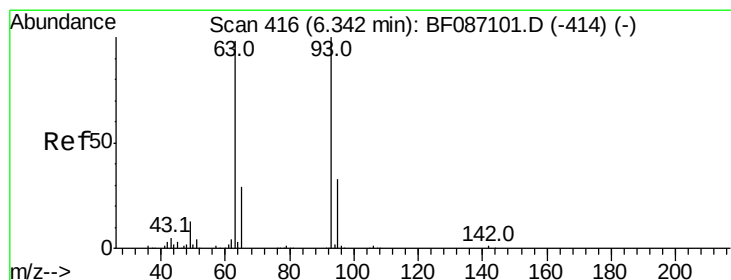
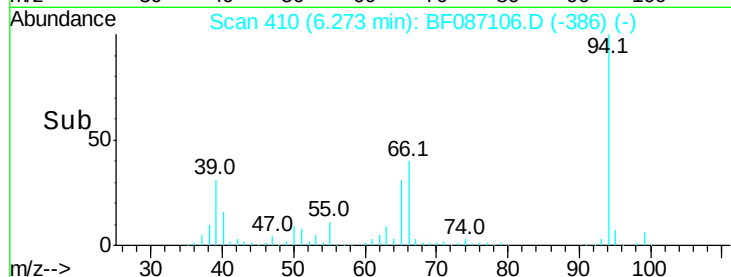
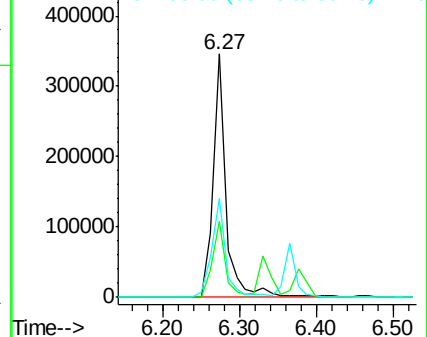
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Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0



#11

bis(2-Chloroethyl)ether

Concen: 20.47 ng

RT: 6.33 min Scan# 415

Delta R.T. -0.02 min

Lab File: BF087106.D

Acq: 17 May 2016 16:53

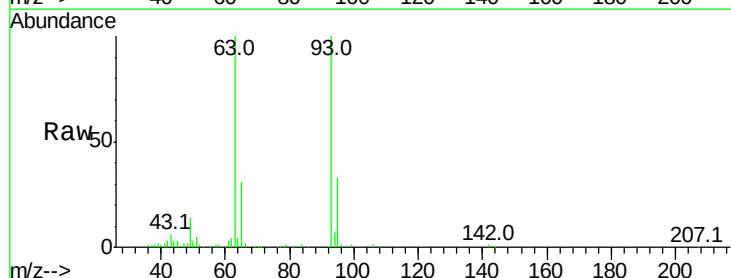
Tgt Ion: 93 Resp: 225731

Ion Ratio Lower Upper

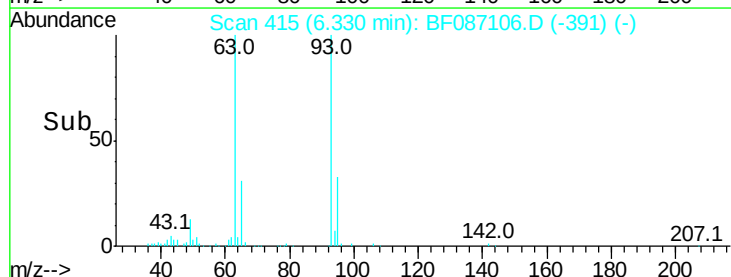
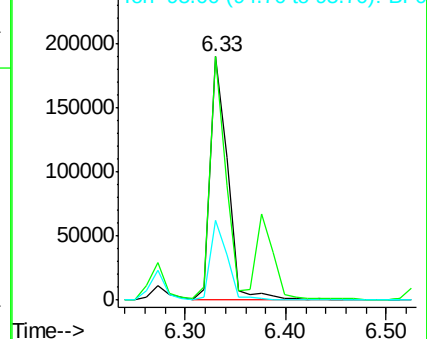
93 100

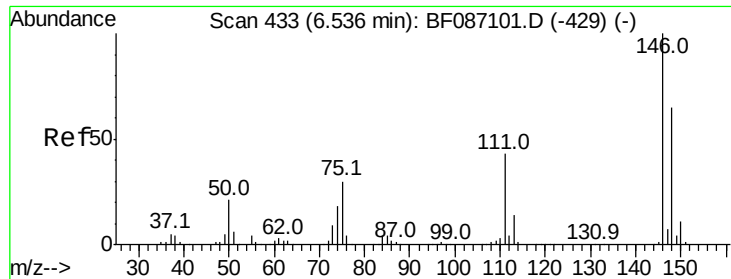
63 100.1 58.0 98.0#

95 32.8 11.9 51.9



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





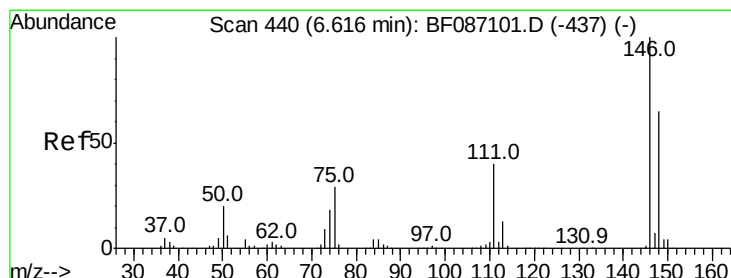
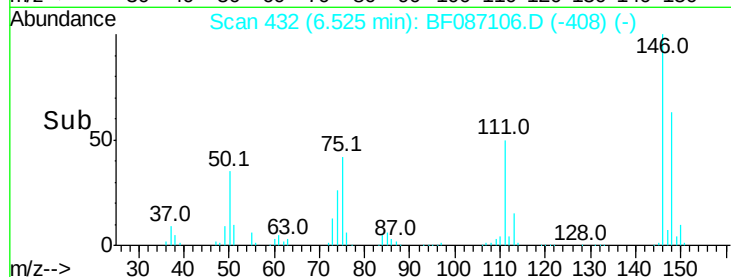
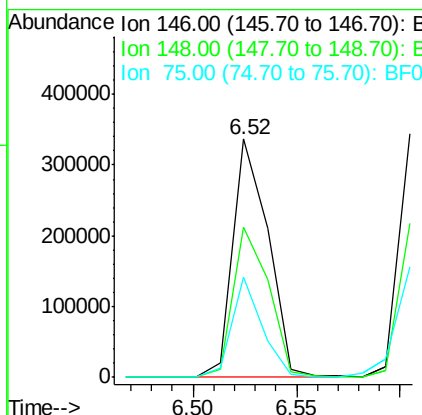
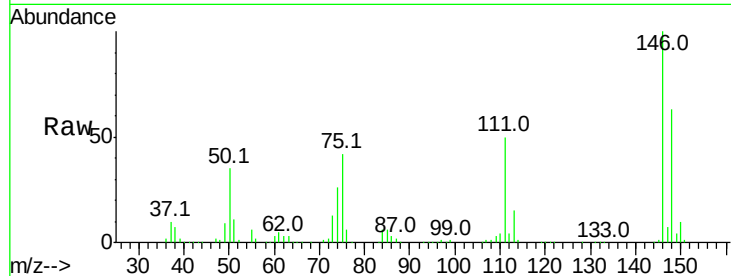
#12
 1,3-Dichlorobenzene
 Concen: 35.55 ng m
 RT: 6.52 min Scan# 432
 Delta R.T. -0.02 min
 Lab File: BF087106.D
 Acq: 17 May 2016 16:53

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.1	52.4	78.6
75	42.3	22.8	34.2

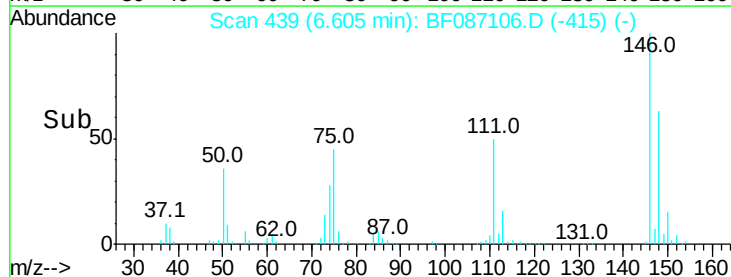
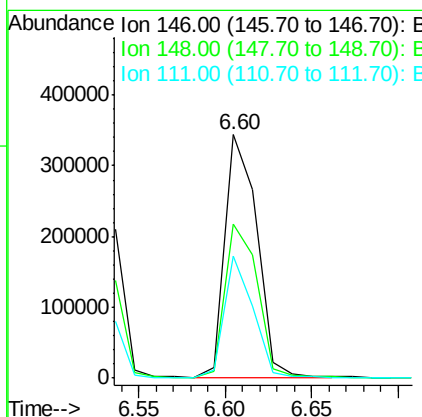
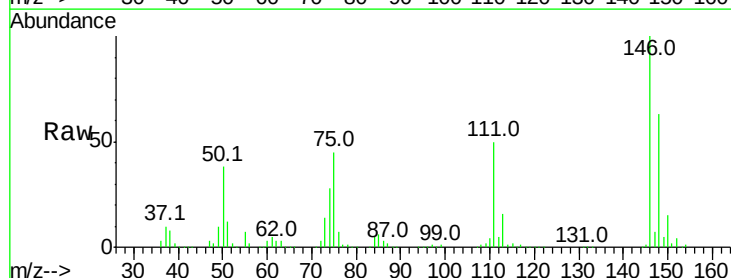
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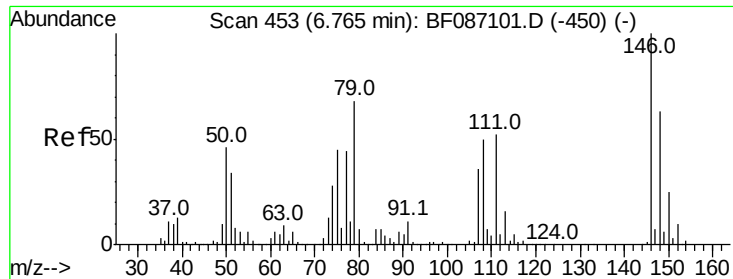
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#13
 1,4-Dichlorobenzene
 Concen: 39.27 ng m
 RT: 6.60 min Scan# 439
 Delta R.T. -0.02 min
 Lab File: BF087106.D
 Acq: 17 May 2016 16:53

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.0	52.2	78.4
111	50.3	30.7	46.1





#14

1,2-Dichlorobenzene

Concen: 51.29 ng

RT: 6.76 min Scan# 453

Delta R.T. -0.01 min

Lab File: BF087106.D

Acq: 17 May 2016 16:53

Instrument :

BNA_F

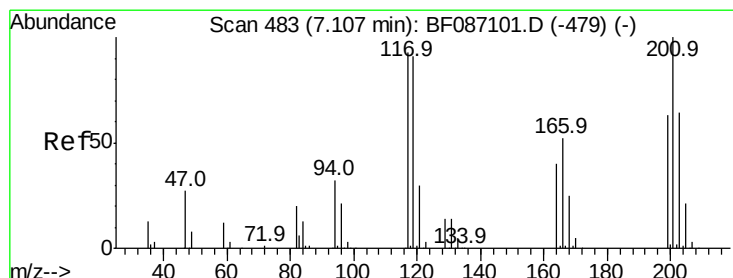
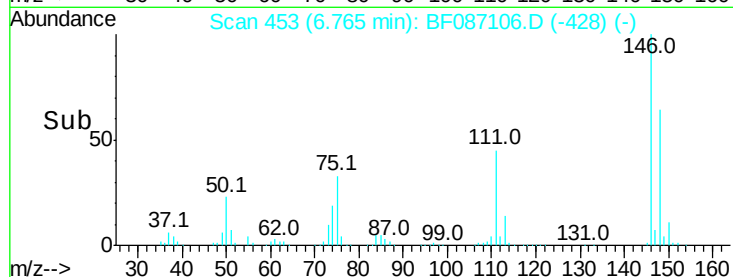
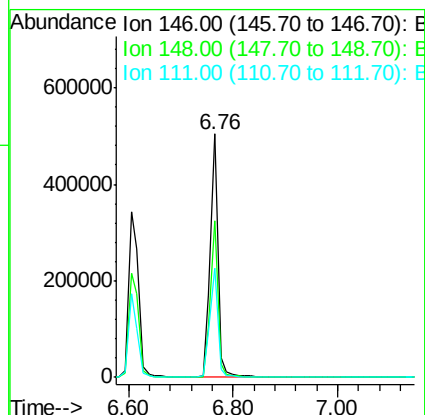
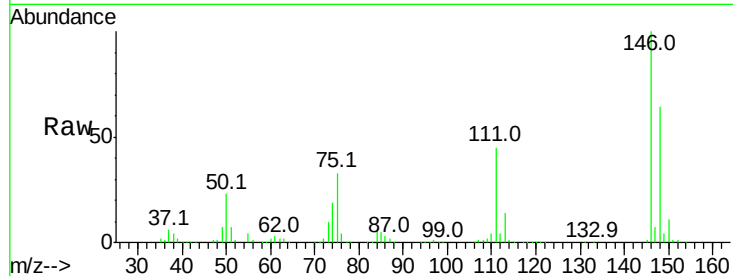
ClientSampleId :

PT-BNA-SOILDL

Tot Ion:	146	Resp:	517421
Ion Ratio	Lower	Upper	
146	100		
148	64.3	51.0	76.6
111	44.7	36.2	54.4

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#18

Hexachloroethane

Concen: 38.95 ng

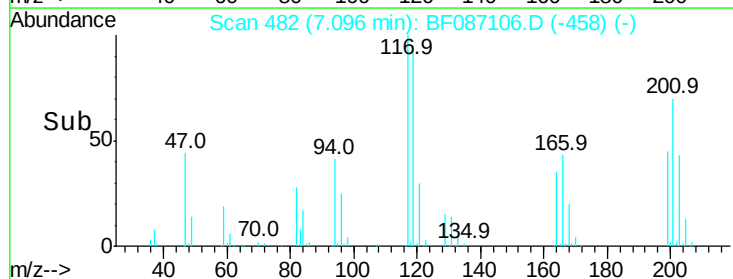
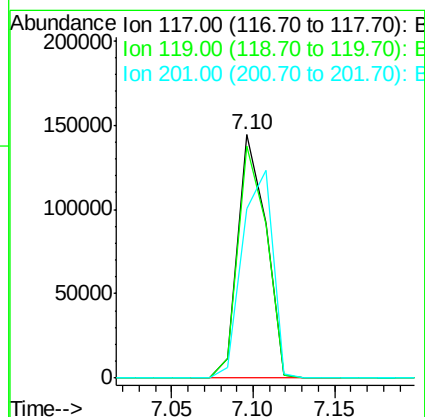
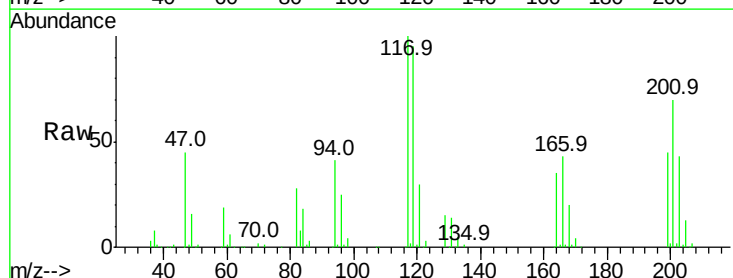
RT: 7.10 min Scan# 482

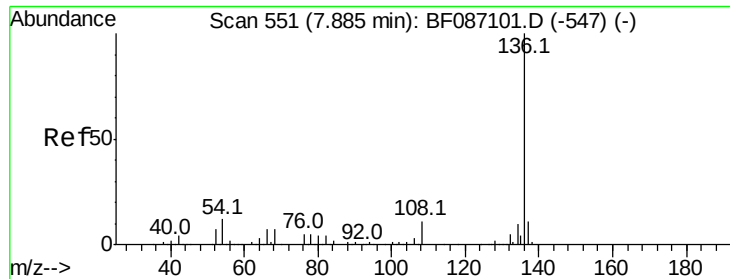
Delta R.T. -0.02 min

Lab File: BF087106.D

Acq: 17 May 2016 16:53

Tgt Ion:	117	Resp:	171622
Ion Ratio	Lower	Upper	
117	100		
119	95.2	76.5	114.7
201	69.7	63.0	94.6





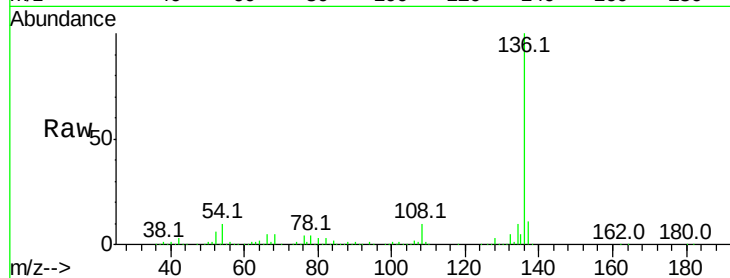
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF087106.D
Acq: 17 May 2016 16:53

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILD

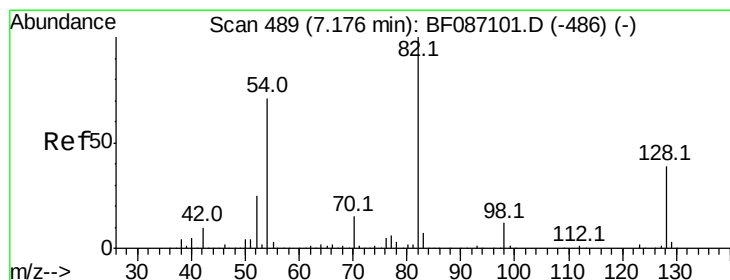
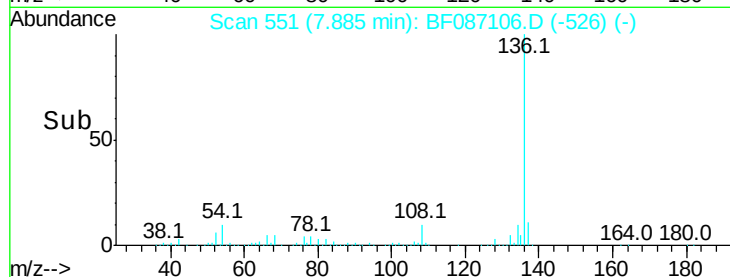
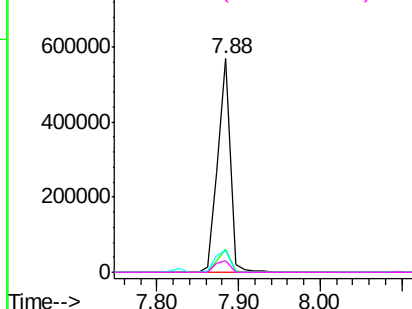
Tot Ion	Ratio	Resp	Lower	Upper
136	100	609411		
137	11.0	8.8	13.2	
54	9.9	5.0	7.4	
68	5.5	4.4	6.6	

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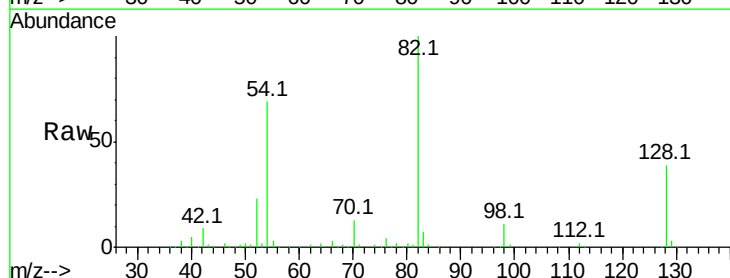


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

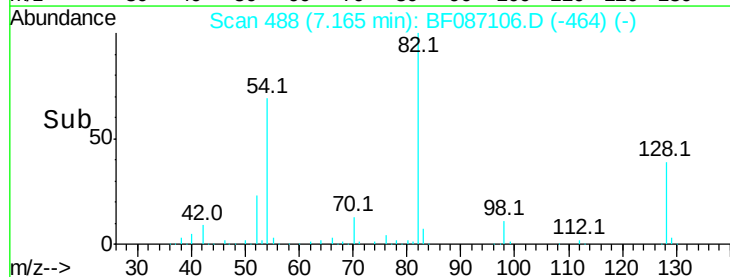
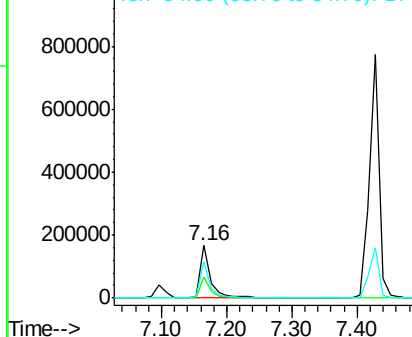


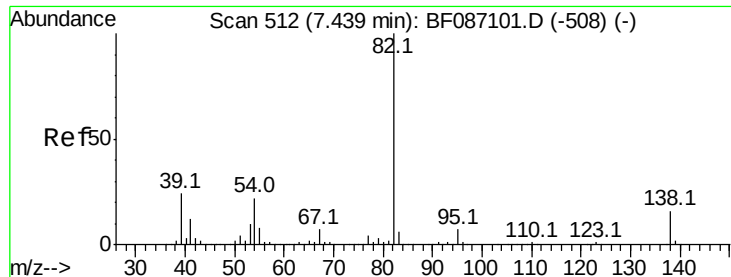
#23
Nitrobenzene-d5
Concen: 15.47 ng
RT: 7.16 min Scan# 488
Delta R.T. -0.02 min
Lab File: BF087106.D
Acq: 17 May 2016 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	189220		
128	39.0	40.6	61.0	
54	68.9	38.1	57.1	



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 35.06 ng

RT: 7.43 min Scan# 511

Delta R.T. -0.02 min

Lab File: BF087106.D

Acq: 17 May 2016 16:53

Instrument :

BNA_F

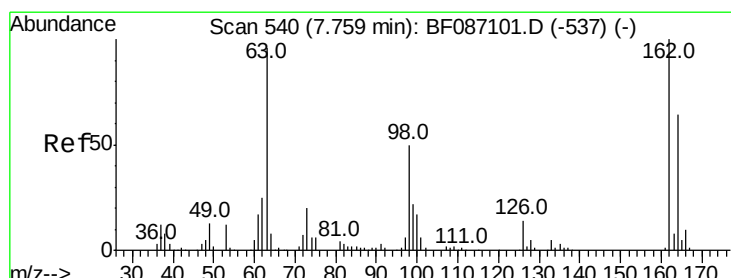
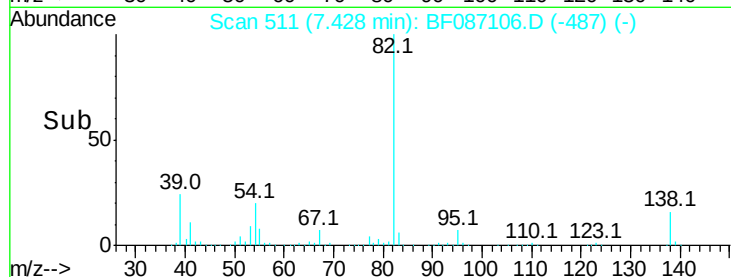
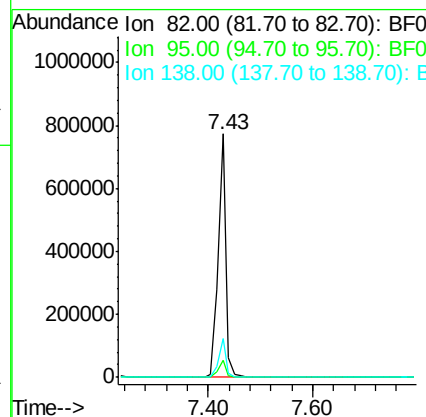
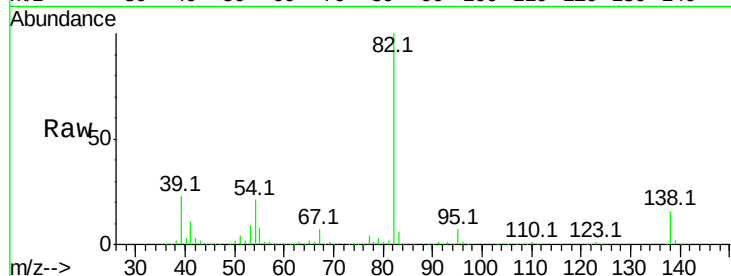
ClientSampled :

PT-BNA-SOILD

Tot Ion:	82	Resp:	784762
Ion Ratio	Lower	Upper	
82	100		
95	7.3	5.1	7.7
138	16.1	12.4	18.6

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#29

2,4-Dichlorophenol

Concen: 16.23 ng

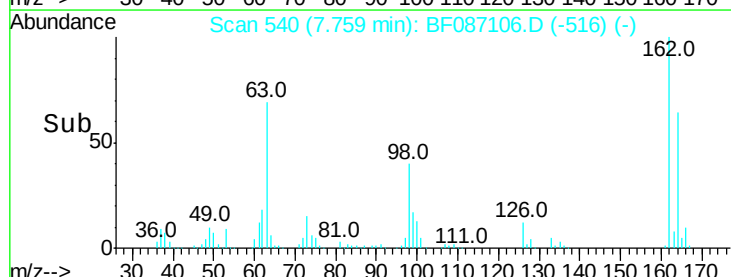
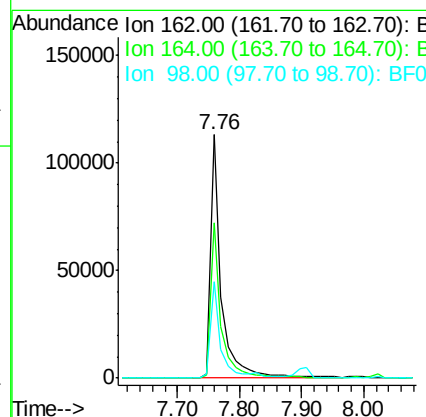
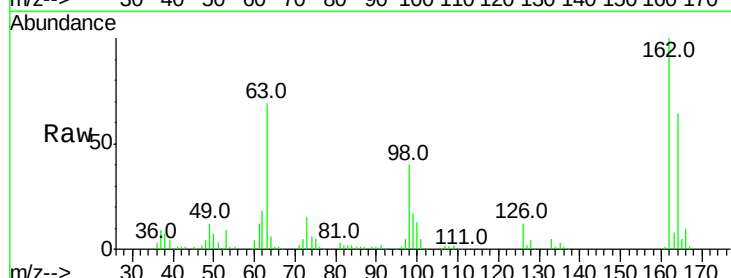
RT: 7.76 min Scan# 540

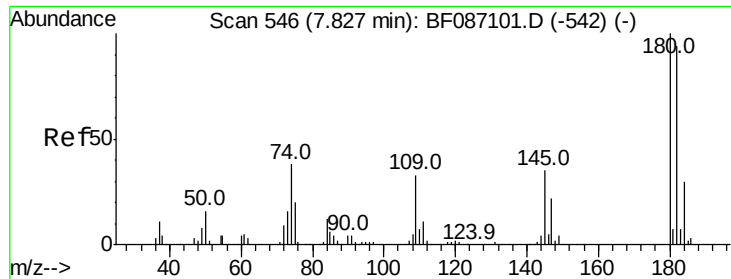
Delta R.T. -0.02 min

Lab File: BF087106.D

Acq: 17 May 2016 16:53

Tgt Ion:	162	Resp:	134976
Ion Ratio	Lower	Upper	
162	100		
164	63.9	42.2	82.2
98	39.8	19.0	59.0





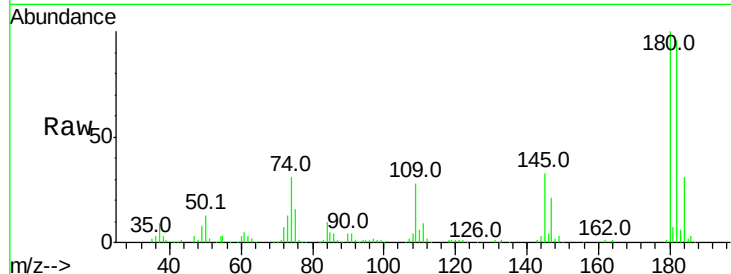
#30
1,2,4-Trichlorobenzene
Concen: 29.22 ng
RT: 7.83 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF087106.D
Acq: 17 May 2016 16:53

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILD

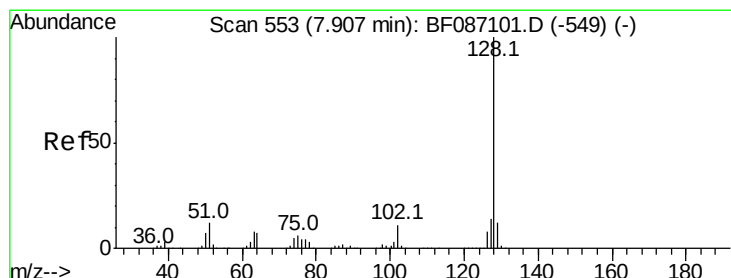
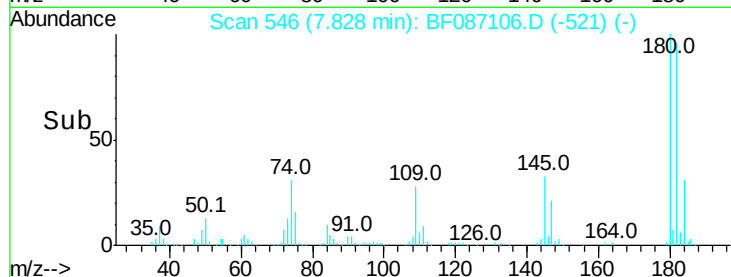
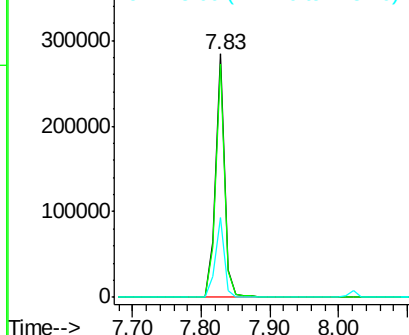
Tot Ion	Ratio	Resp	Lower	Upper
180	100	269689		
182	96.0		78.0	117.0
145	32.6		24.2	36.2

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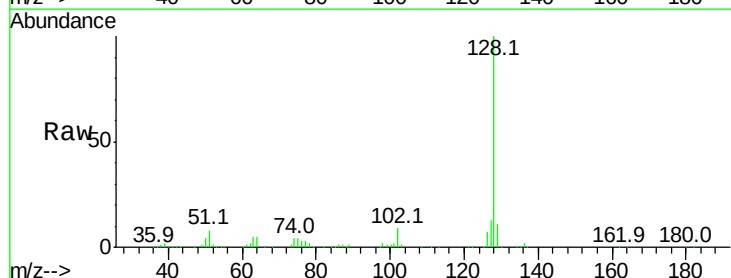


Abundance Ion 180.00 (179.70 to 180.70): E
Ion 182.00 (181.70 to 182.70): E
Ion 145.00 (144.70 to 145.70): E

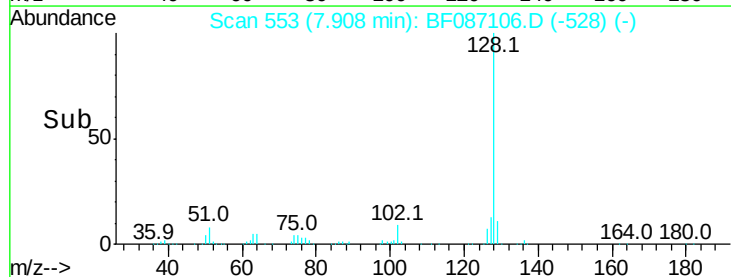
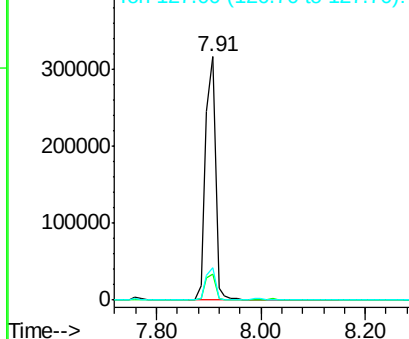


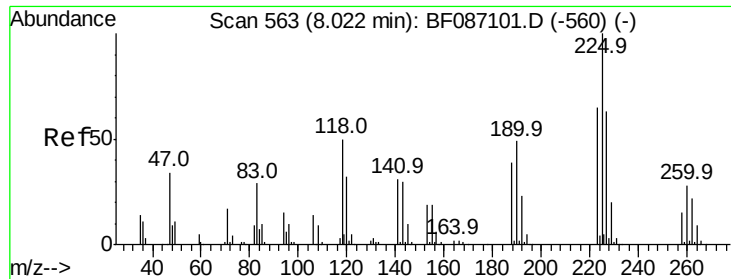
#31
Naphthalene
Concen: 14.15 ng
RT: 7.91 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF087106.D
Acq: 17 May 2016 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	421196		
129	10.5		8.6	13.0
127	13.4		10.8	16.2



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





#34

Hexachlorobutadiene

Concen: 14.91 ng

RT: 8.02 min Scan# 563

Delta R.T. -0.01 min

Lab File: BF087106.D

Acq: 17 May 2016 16:53

Instrument :

BNA_F

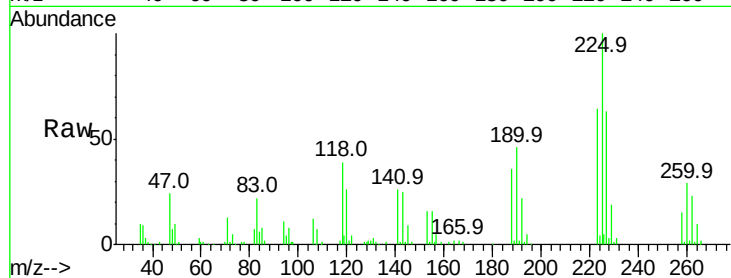
ClientSampleId :

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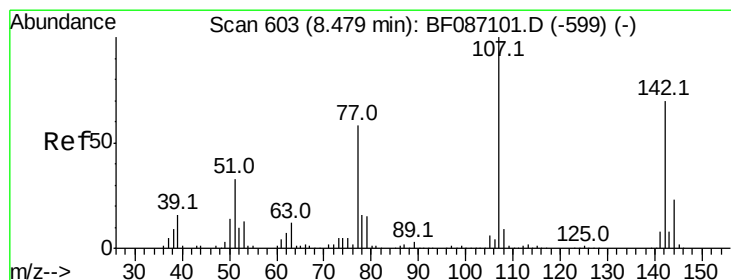
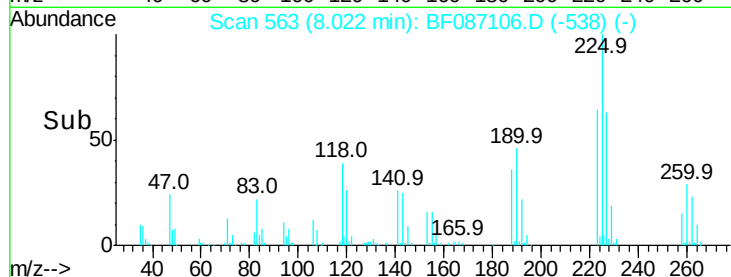
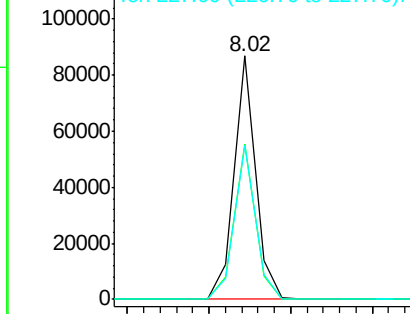
Tot Ion:	225	Resp:	78087
Ion Ratio	Lower	Upper	
225	100		
223	63.7	51.5	77.3
227	63.0	52.2	78.2

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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: 34.46 ng

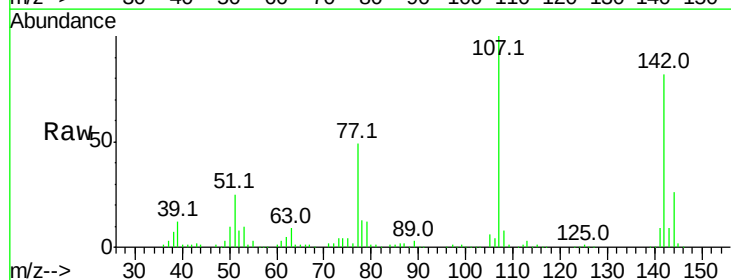
RT: 8.47 min Scan# 602

Delta R.T. -0.02 min

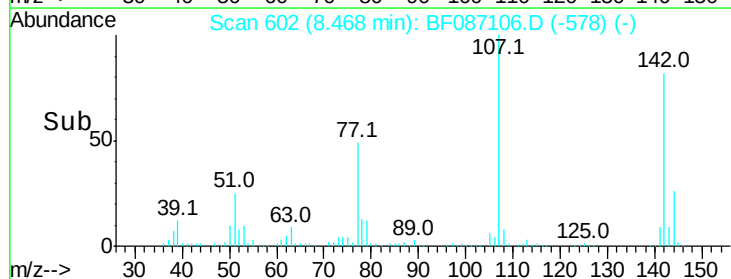
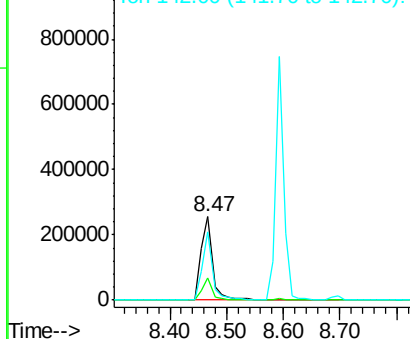
Lab File: BF087106.D

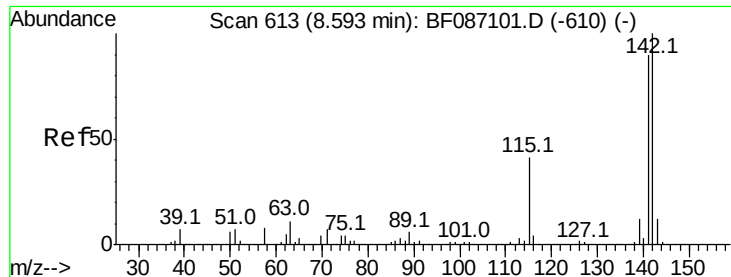
Acq: 17 May 2016 16:53

Tgt Ion:	107	Resp:	345716
Ion Ratio	Lower	Upper	
107	100		
144	26.5	20.7	31.1
142	81.6	63.2	94.8



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





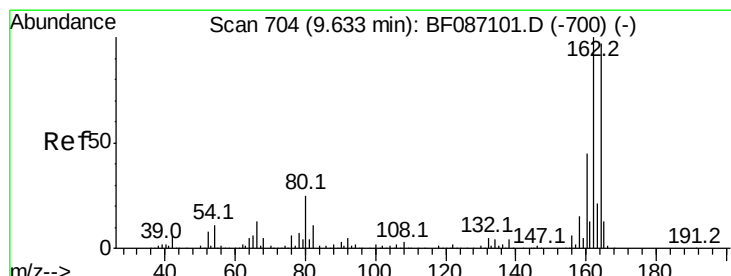
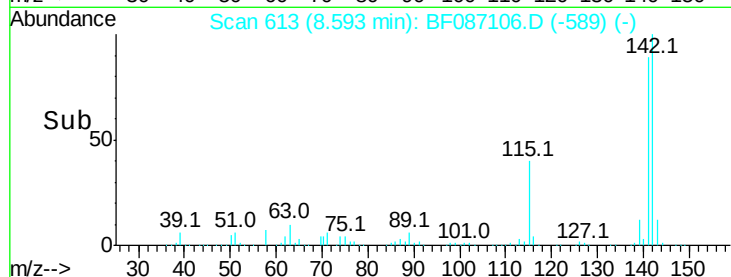
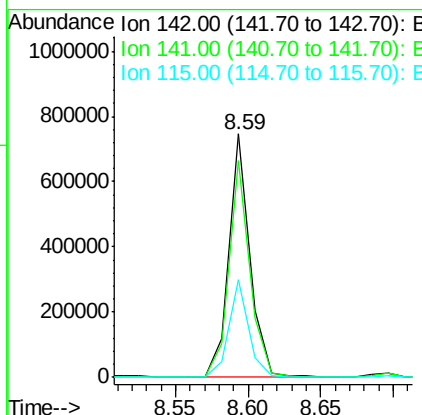
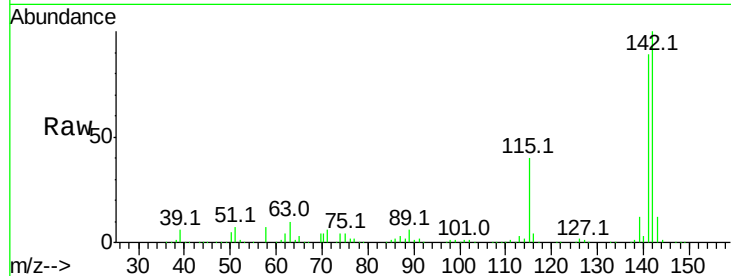
#37
2-Methylnaphthalene
Concen: 39.18 ng
RT: 8.59 min Scan# 613
Delta R.T. -0.02 min
Lab File: BF087106.D
Acq: 17 May 2016 16:53

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILD

Tot Ion	Ratio	Resp	Lower	Upper
142	100	746211		
141	89.3	71.0	106.6	
115	40.2	26.6	39.8	

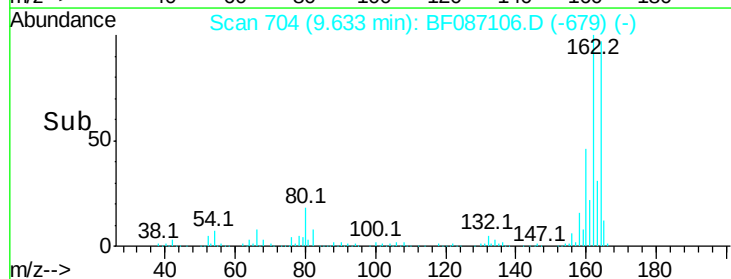
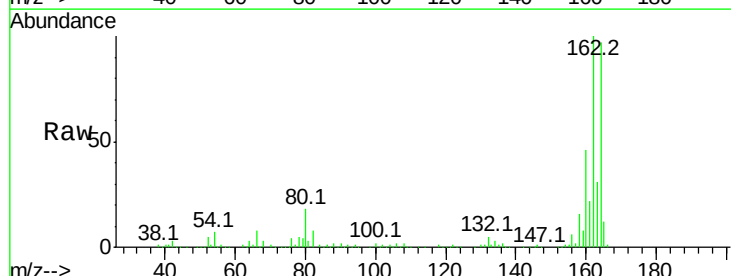
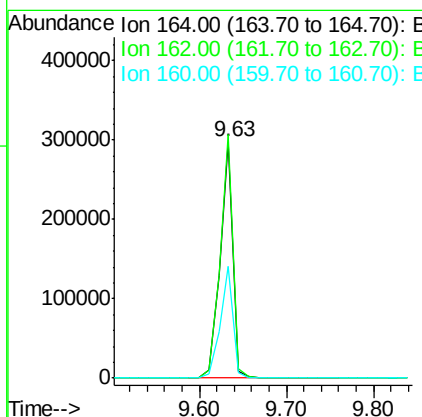
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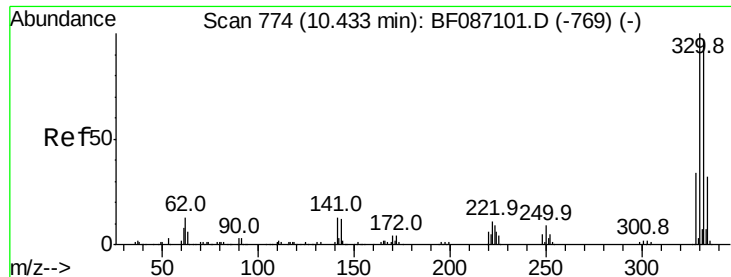
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 704
Delta R.T. -0.01 min
Lab File: BF087106.D
Acq: 17 May 2016 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	310162		
162	103.2	82.8	124.2	
160	47.6	36.9	55.3	





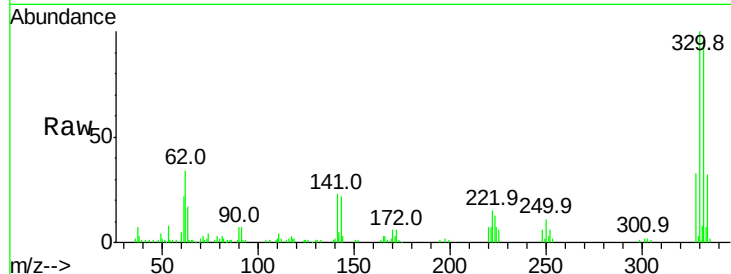
#41
 2,4,6-Tribromophenol
 Concen: 21.30 ng
 RT: 10.42 min Scan# 773
 Delta R.T. -0.02 min
 Lab File: BF087106.D
 Acq: 17 May 2016 16:53

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILD

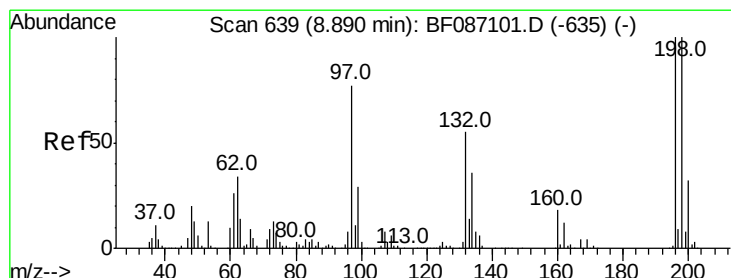
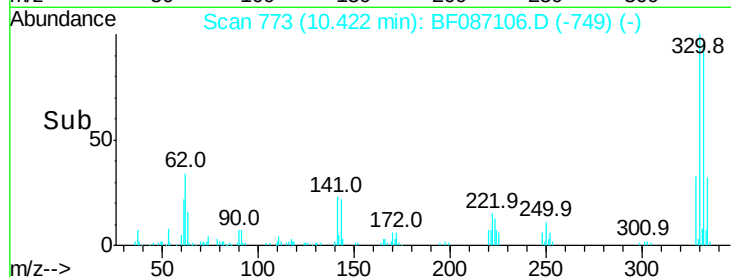
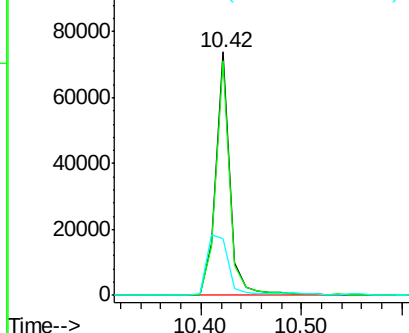
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	79.0	118.4
141	38.2	31.2	46.8

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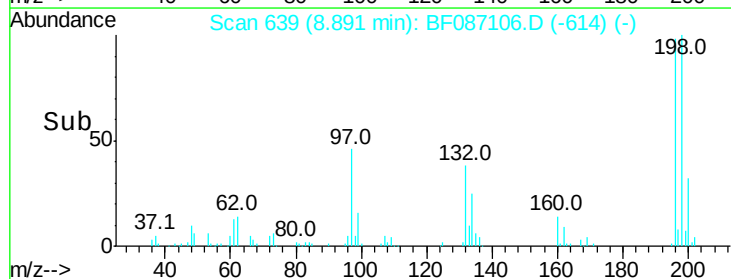
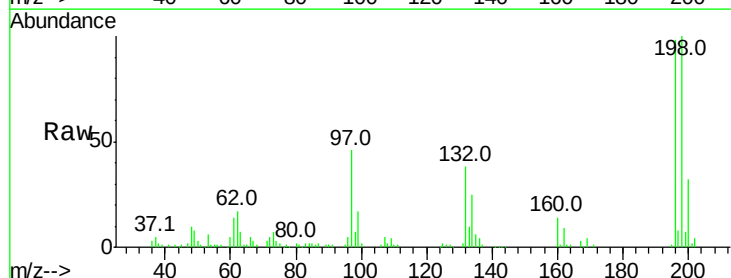
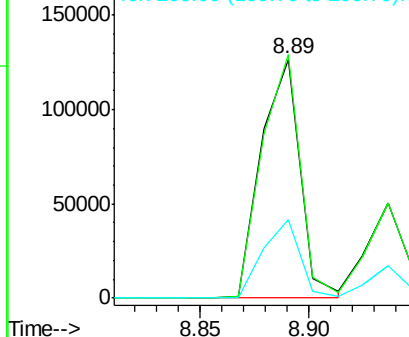
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

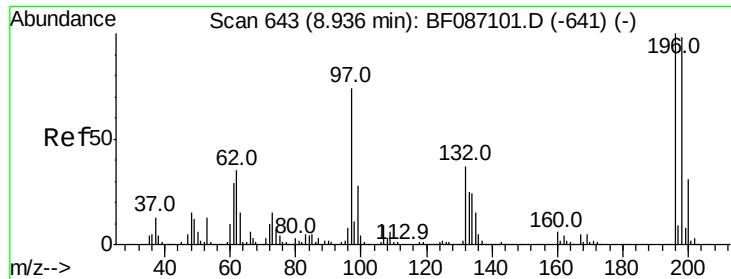


#42
 2,4,6-Trichlorophenol
 Concen: 27.06 ng
 RT: 8.89 min Scan# 639
 Delta R.T. -0.01 min
 Lab File: BF087106.D
 Acq: 17 May 2016 16:53

Tgt Ion	Ratio	Lower	Upper
196	100		
198	101.9	74.7	112.1
200	33.0	23.8	35.6

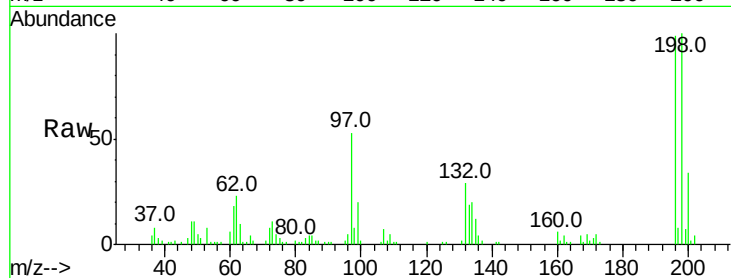
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





#43
 2,4,5-Trichlorophenol
 Concen: 12.97 ng
 RT: 8.94 min Scan# 643
 Delta R.T. -0.01 min
 Lab File: BF087106.D
 Acq: 17 May 2016 16:53

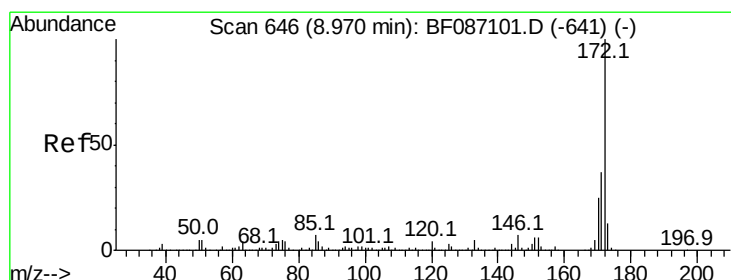
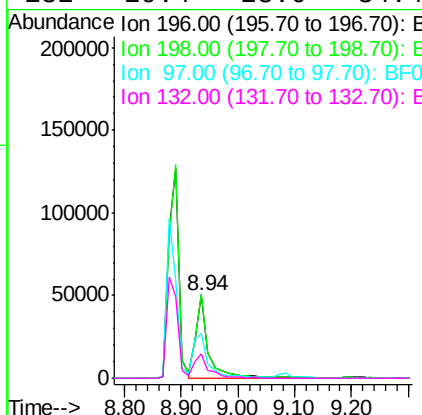
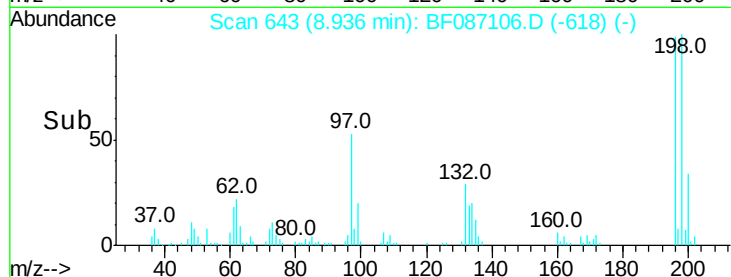
Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILD



Tot Ion:	196	Resp:	79174
Ion Ratio	Lower	Upper	
196	100		
198	101.1	77.5	116.3
97	53.2	34.8	52.2
132	29.4	23.0	34.4

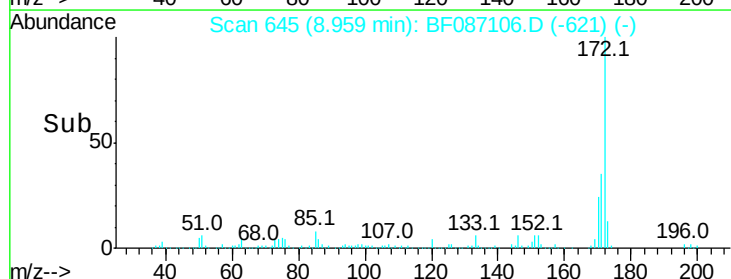
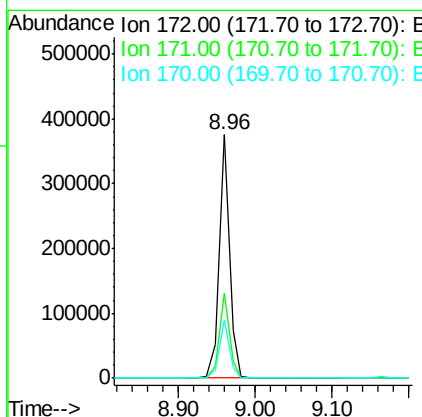
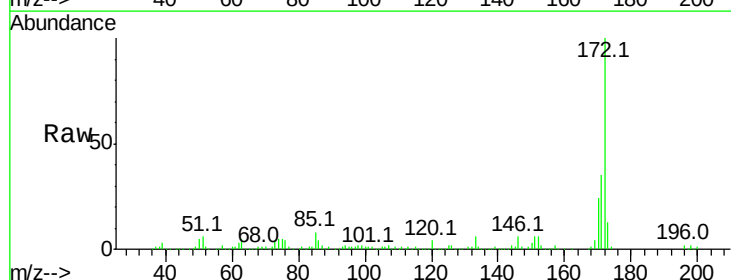
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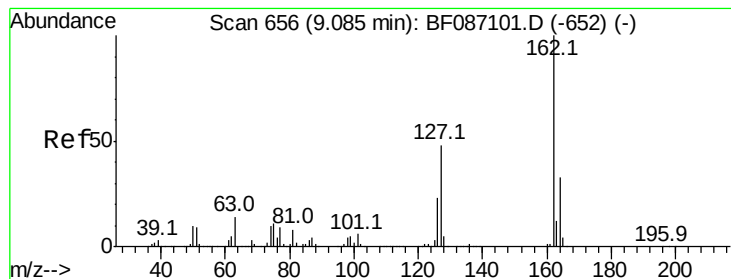
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#44
 2-Fluorobiphenyl
 Concen: 18.85 ng
 RT: 8.96 min Scan# 645
 Delta R.T. -0.02 min
 Lab File: BF087106.D
 Acq: 17 May 2016 16:53

Tgt Ion:	172	Resp:	352946
Ion Ratio	Lower	Upper	
172	100		
171	35.0	29.0	43.6
170	23.6	19.8	29.8





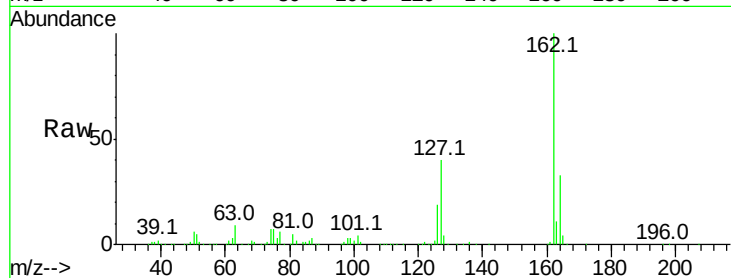
#46
2-Chloronaphthalene
Concen: 20.51 ng
RT: 9.08 min Scan# 656
Delta R.T. -0.01 min
Lab File: BF087106.D
Acq: 17 May 2016 16:53

Instrument :
BNA_F
ClientSampled :
PT-BNA-SOILD

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
127	40.4	31.8	47.6	
164	32.8	27.0	40.6	

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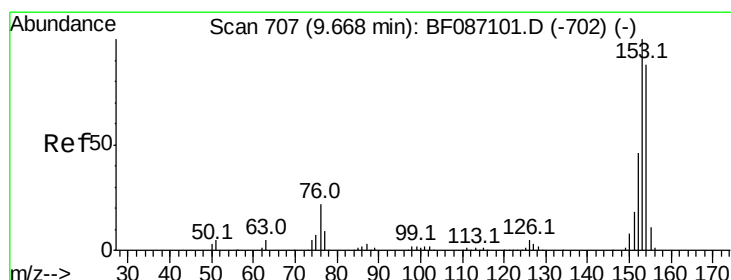
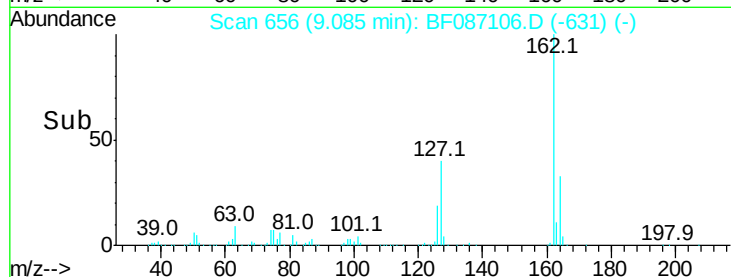
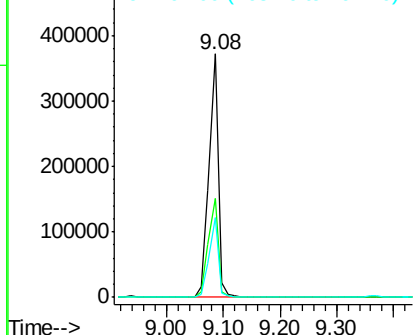


Abundance

Ion 162.00 (161.70 to 162.70): E

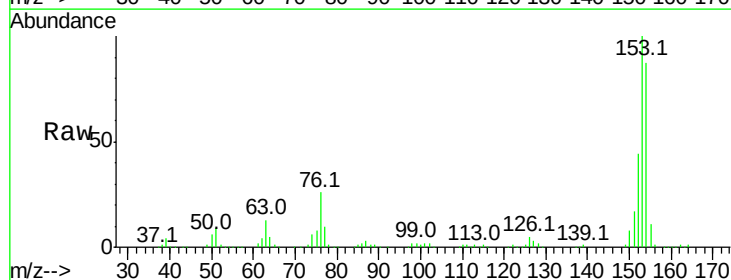
Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#51
Acenaphthene
Concen: 17.58 ng
RT: 9.66 min Scan# 706
Delta R.T. -0.02 min
Lab File: BF087106.D
Acq: 17 May 2016 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	115.0	89.8	134.6	
152	51.1	43.4	65.0	

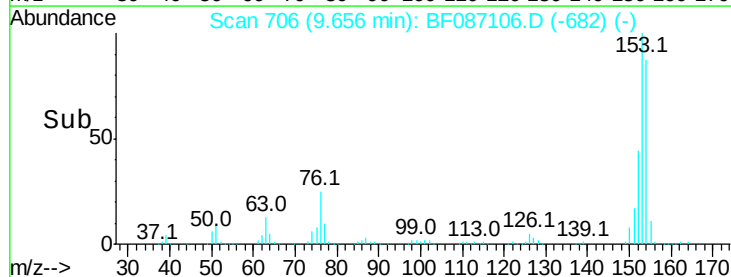
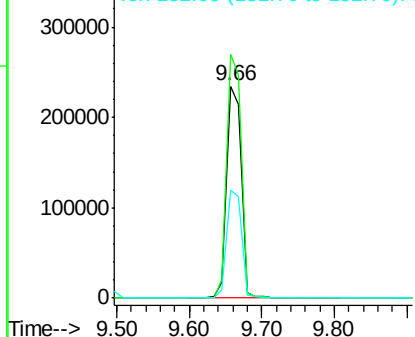


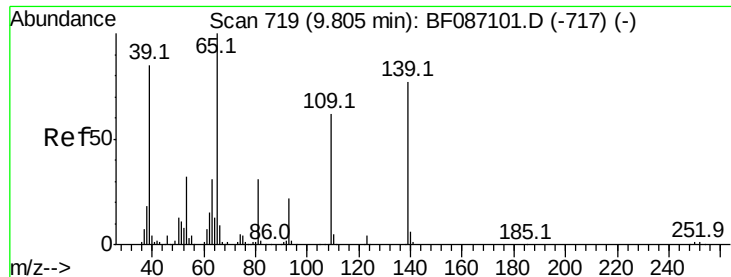
Abundance

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





#55

4-Nitrophenol

Concen: 39.24 ng

RT: 9.80 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF087106.D

Acq: 17 May 2016 16:53

Instrument :

BNA_F

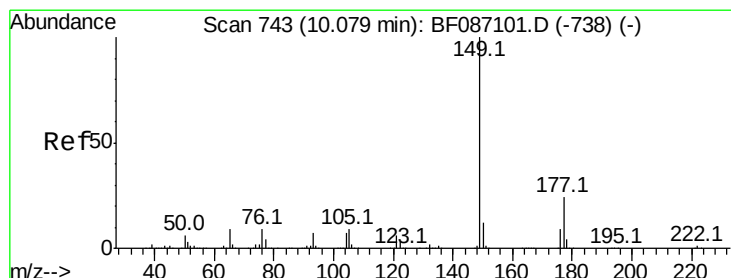
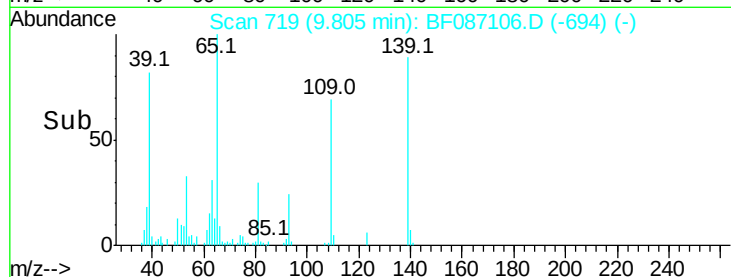
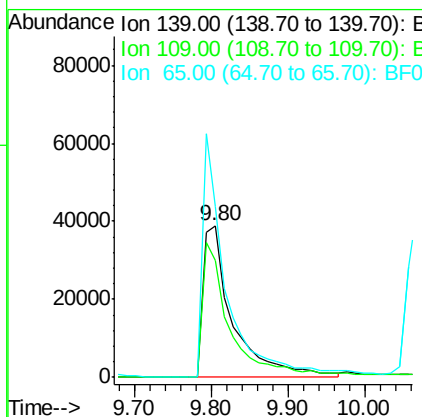
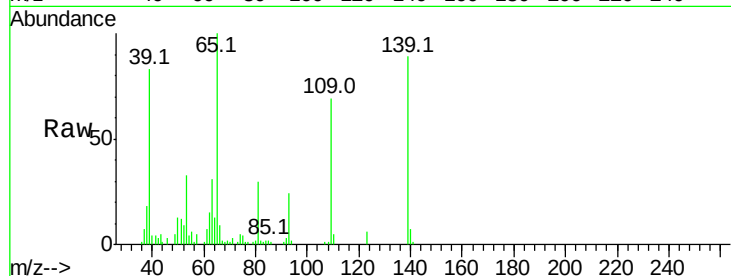
ClientSampleId :

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Tot Ion:	139	Resp:	104010
Ion Ratio	Lower	Upper	
139	100		
109	77.4	36.9	76.9#
65	112.3	64.0	104.0#

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#59

Diethylphthalate

Concen: 19.75 ng

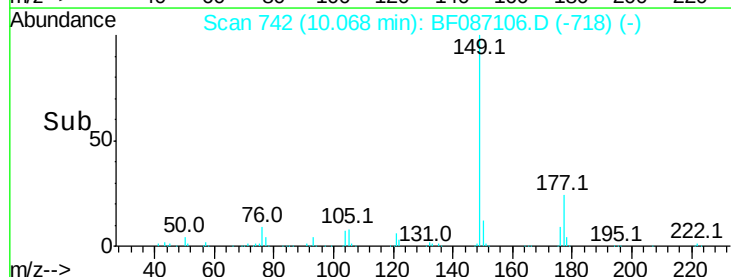
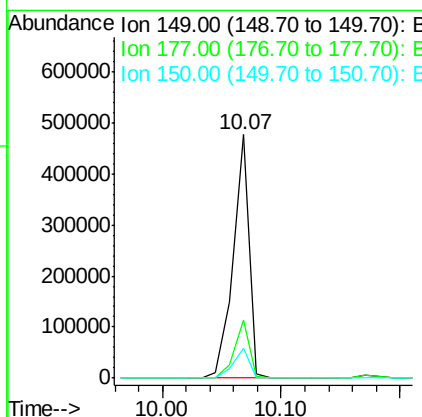
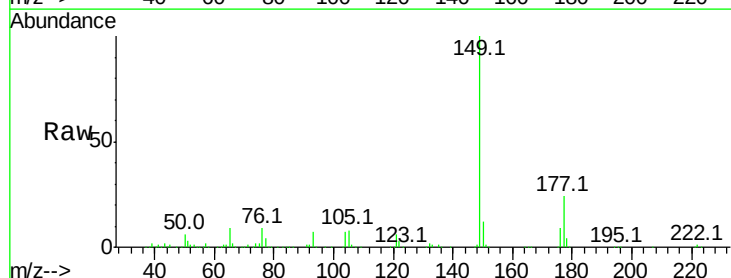
RT: 10.07 min Scan# 742

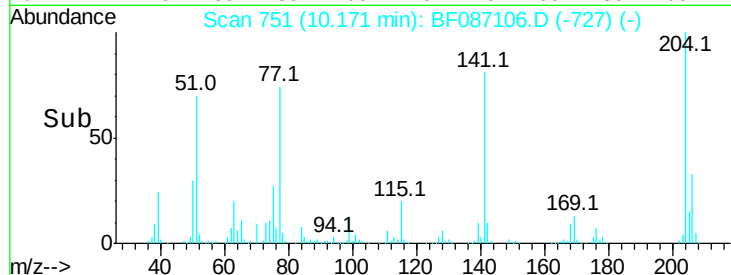
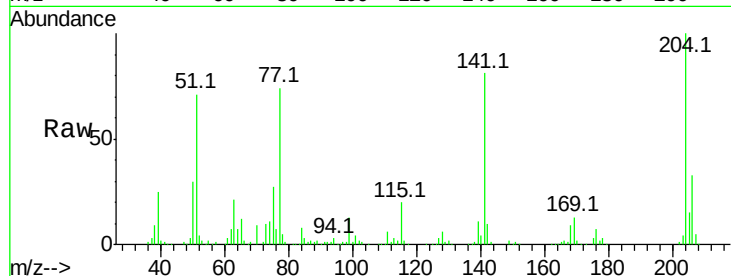
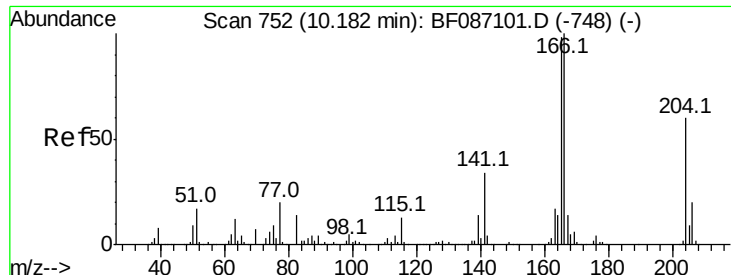
Delta R.T. -0.02 min

Lab File: BF087106.D

Acq: 17 May 2016 16:53

Tgt Ion:	149	Resp:	446126
Ion Ratio	Lower	Upper	
149	100		
177	23.6	16.6	24.8
150	12.4	10.0	15.0





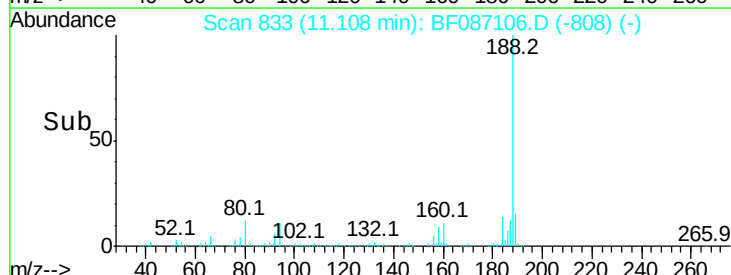
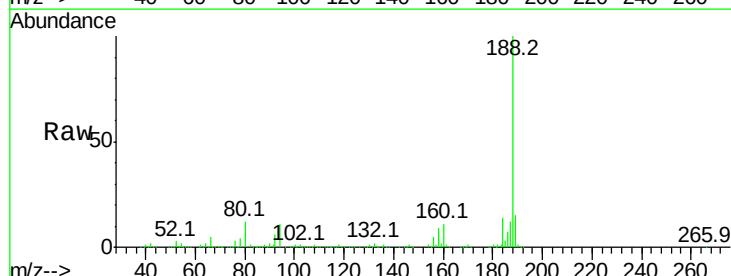
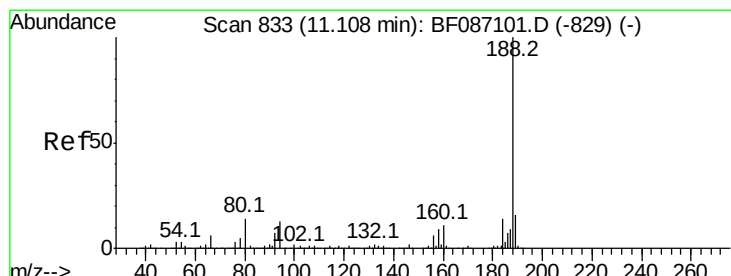
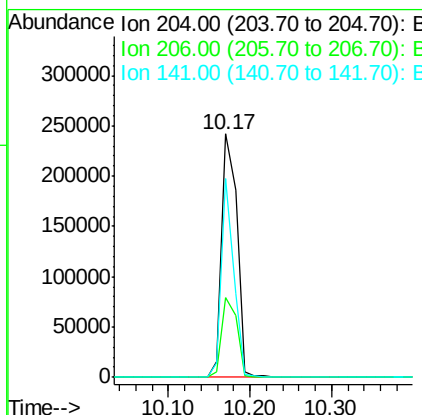
#60
4-Chlorophenyl-phenylether
Concen: 33.75 ng
RT: 10.17 min Scan# 751
Delta R.T. -0.02 min
Lab File: BF087106.D
Acq: 17 May 2016 16:53

Instrument :
BNA_F
ClientSampleId :
PT-BNA-SOILD

Tot Ion	Ratio	Resp	Lower	Upper
204	100	313098		
206	32.6	25.4	38.0	
141	81.5	61.6	92.4	

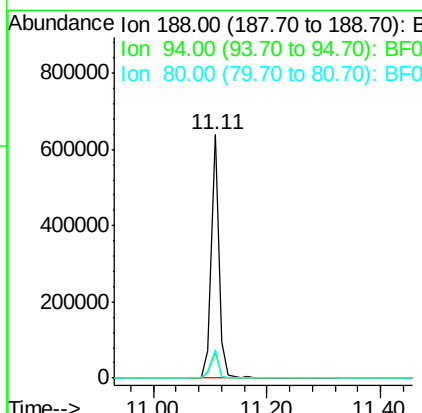
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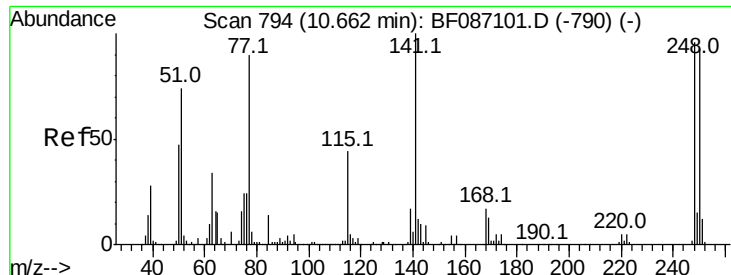
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF087106.D
Acq: 17 May 2016 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	570885		
94	10.8	6.8	10.2#	
80	11.8	7.1	10.7#	





#66

4-Bromophenyl-phenylether

Concen: 18.71 ng

RT: 10.66 min Scan# 794

Delta R.T. -0.01 min

Lab File: BF087106.D

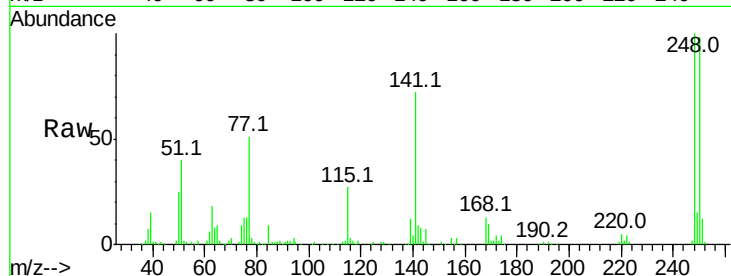
Acq: 17 May 2016 16:53

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD



Tot Ion:248 Resp: 109832

Ion Ratio Lower Upper

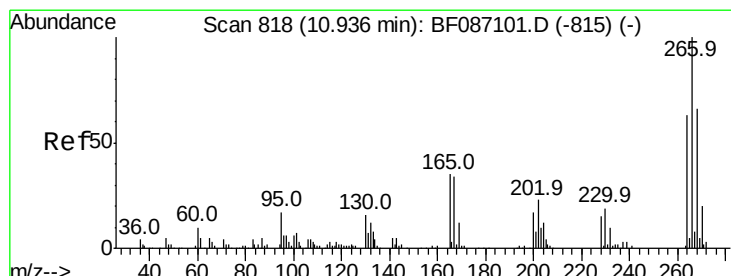
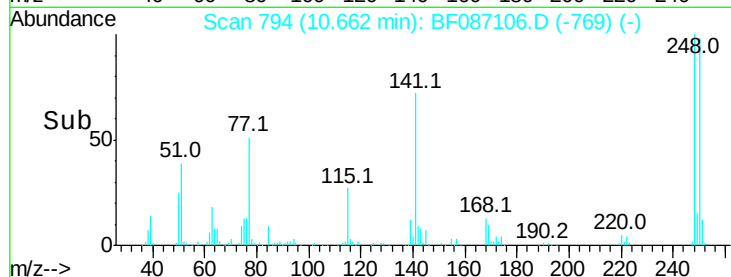
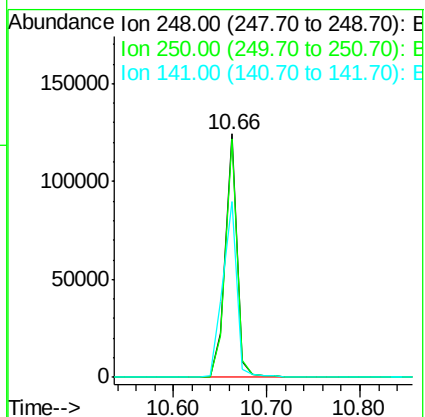
248 100

250 97.9 78.6 117.8

141 72.4 76.0 114.0#

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#69

Pentachlorophenol

Concen: 27.20 ng

RT: 10.93 min Scan# 817

Delta R.T. -0.02 min

Lab File: BF087106.D

Acq: 17 May 2016 16:53

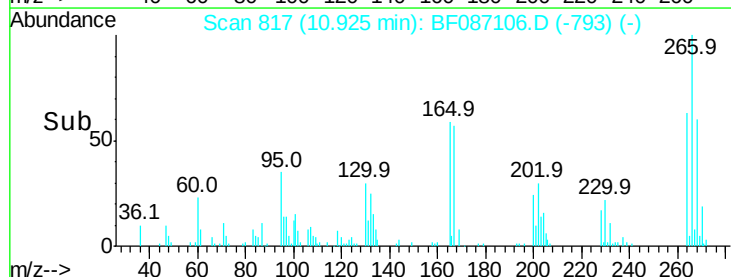
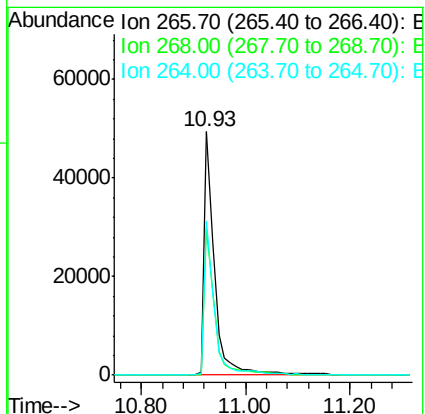
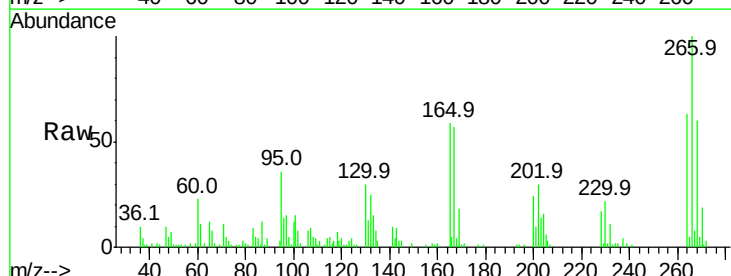
Tgt Ion:266 Resp: 69538

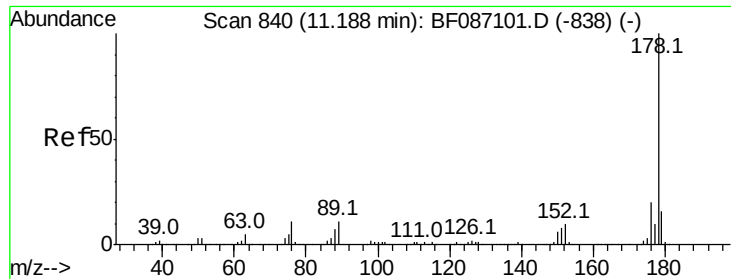
Ion Ratio Lower Upper

266 100

268 60.1 51.5 77.3

264 63.4 52.9 79.3





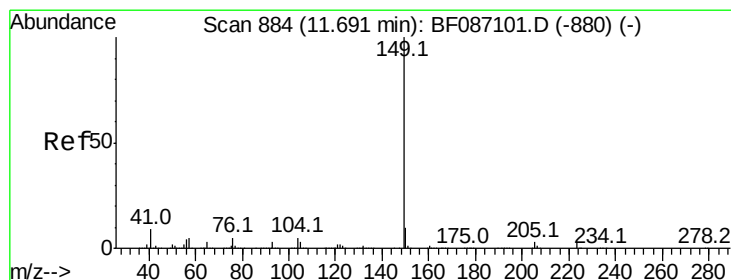
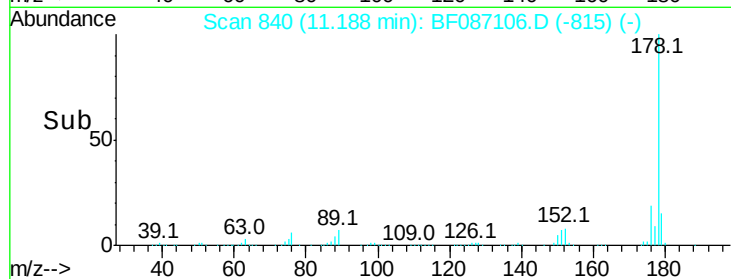
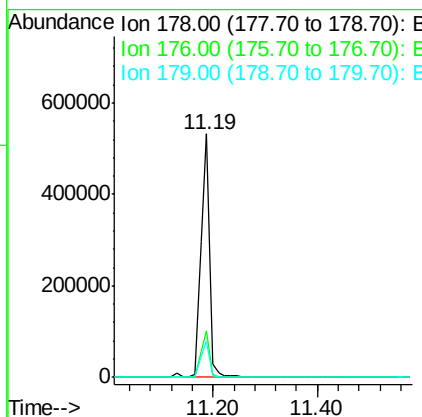
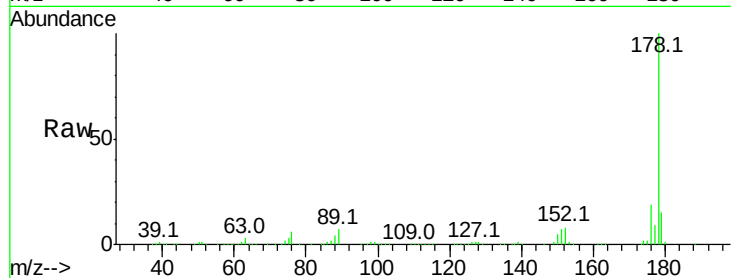
#71
 Anthracene
 Concen: 19.62 ng
 RT: 11.19 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BF087106.D
 Acq: 17 May 2016 16:53

Instrument :
 BNA_F
 ClientSampled :
 PT-BNA-SOILD

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.6	23.4
179	15.1	12.7	19.1

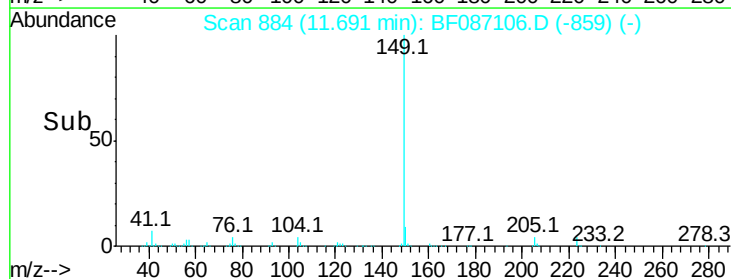
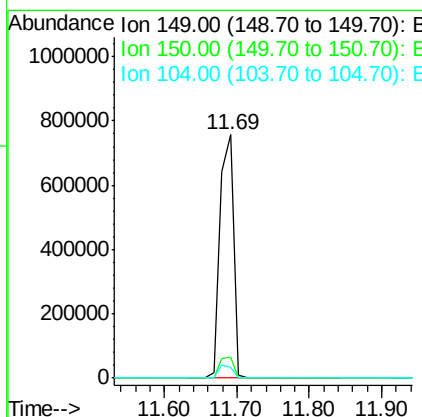
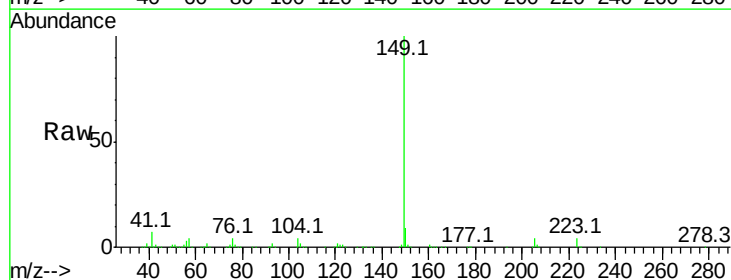
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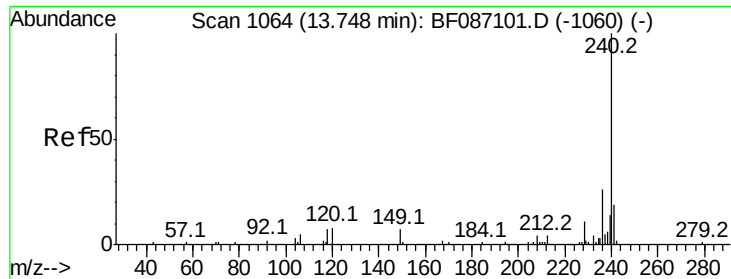
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#73
 Di-n-butylphthalate
 Concen: 29.91 ng
 RT: 11.69 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF087106.D
 Acq: 17 May 2016 16:53

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.6	11.4
104	4.4	3.8	5.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.74 min Scan# 1063

Delta R.T. -0.02 min

Lab File: BF087106.D

Acq: 17 May 2016 16:53

Instrument :

BNA_F

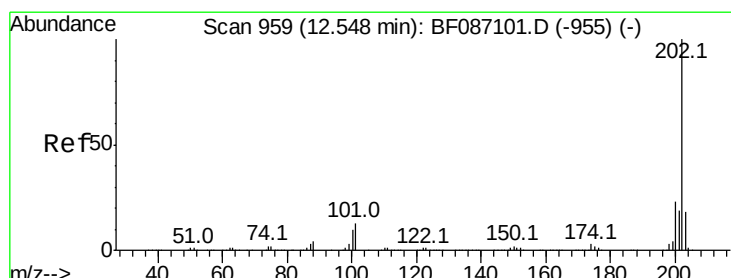
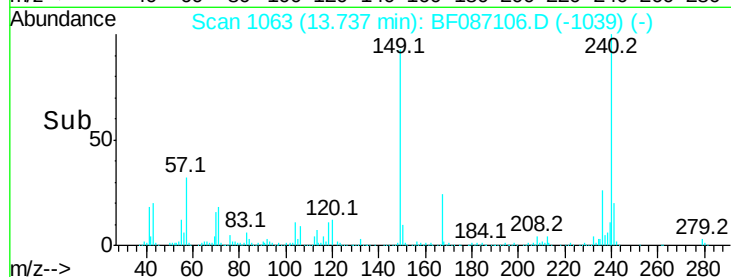
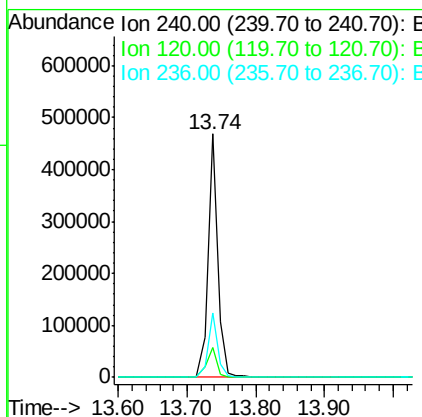
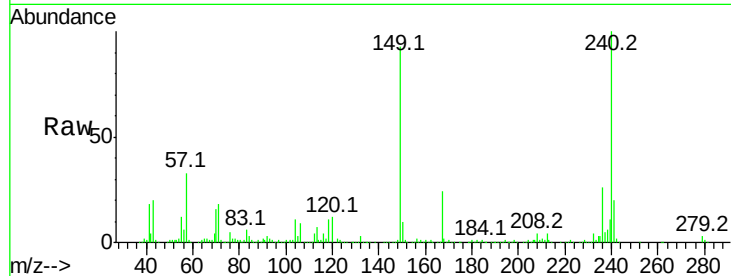
ClientSampleId :

PT-BNA-SOILD

Tot Ion:	240	Resp:	463730
Ion Ratio	Lower	Upper	
240	100		
120	12.5	11.2	16.8
236	26.2	21.2	31.8

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#77

Pyrene

Concen: 26.89 ng

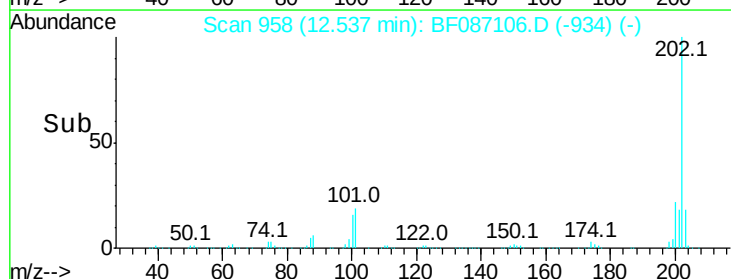
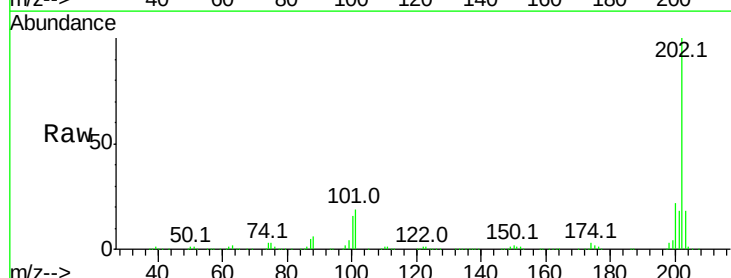
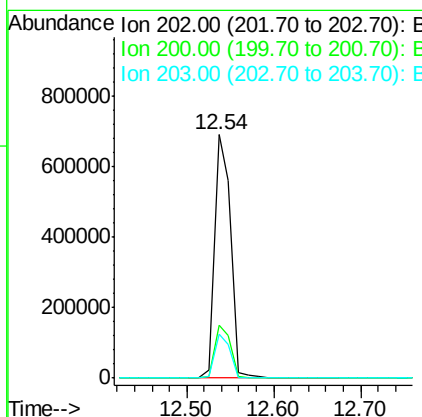
RT: 12.54 min Scan# 958

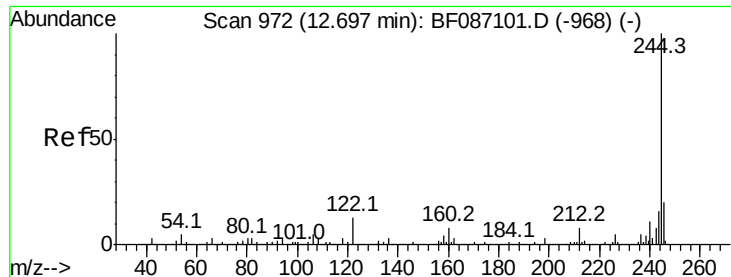
Delta R.T. -0.02 min

Lab File: BF087106.D

Acq: 17 May 2016 16:53

Tgt Ion:	202	Resp:	900857
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.7	26.5
203	18.0	14.2	21.4





#78

Terphenyl-d14

Concen: 16.18 ng

RT: 12.69 min Scan# 971

Delta R.T. -0.02 min

Lab File: BF087106.D

Acq: 17 May 2016 16:53

Instrument :

BNA_F

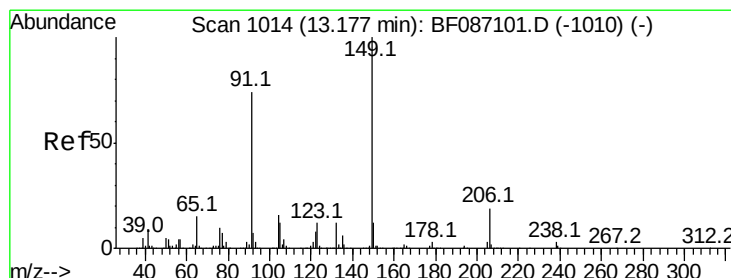
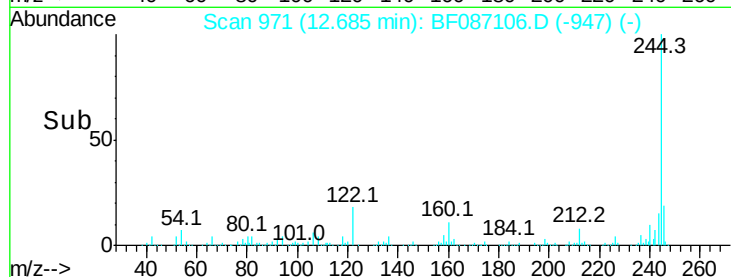
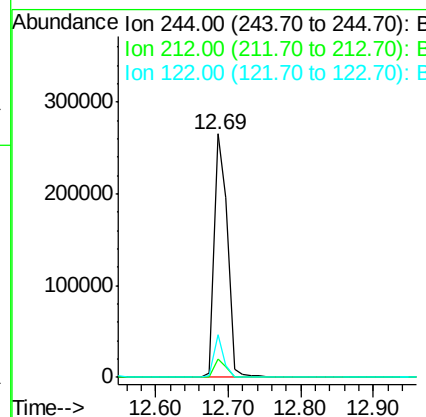
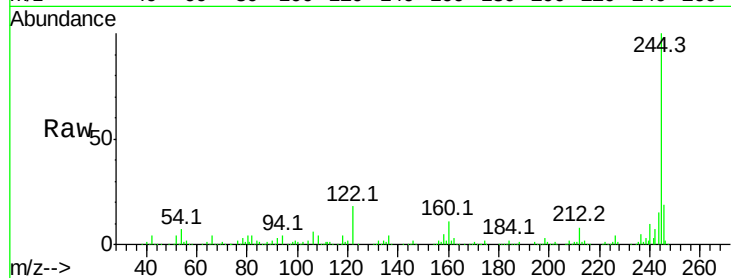
ClientSampleId :

PT-BNA-SOILDL

Tot Ion:	244	Resp:	331683
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.2	9.2
122	17.8	12.0	18.0

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#79

Butylbenzylphthalate

Concen: 17.75 ng

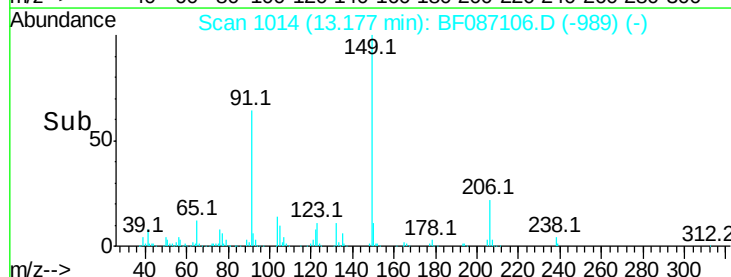
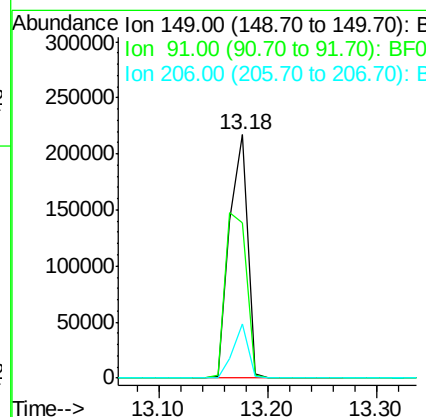
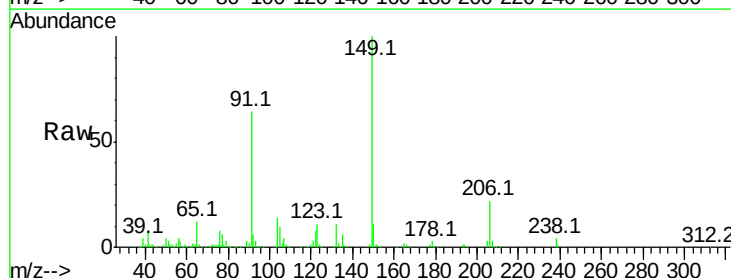
RT: 13.18 min Scan# 1014

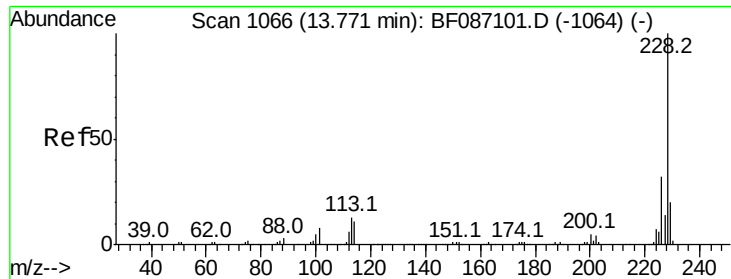
Delta R.T. -0.01 min

Lab File: BF087106.D

Acq: 17 May 2016 16:53

Tgt Ion:	149	Resp:	250967
Ion Ratio	Lower	Upper	
149	100		
91	63.7	48.0	72.0
206	22.2	15.8	23.6





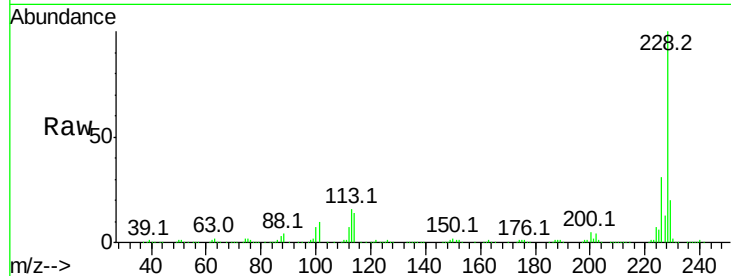
#82
 Chrysene
 Concen: 27.06 ng
 RT: 13.76 min Scan# 1065
 Delta R.T. -0.02 min
 Lab File: BF087106.D
 Acq: 17 May 2016 16:53

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILD

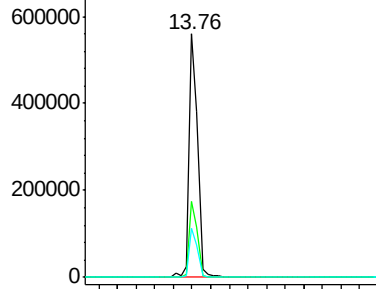
Tot Ion:	228	Resp:	701994
Ion Ratio	Lower	Upper	
228	100		
226	31.1	24.4	36.6
229	20.0	15.8	23.8

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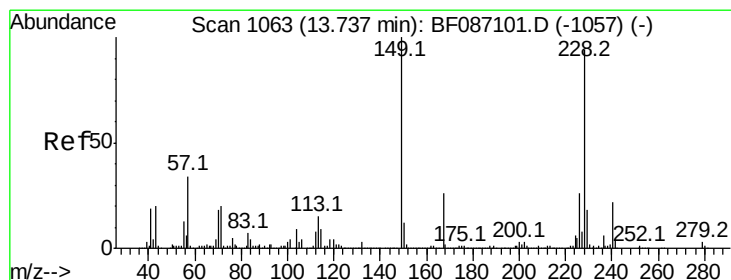
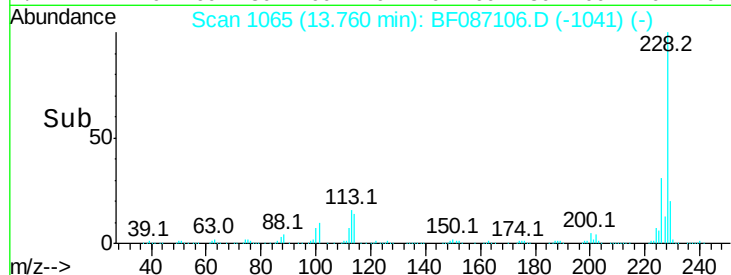
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Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

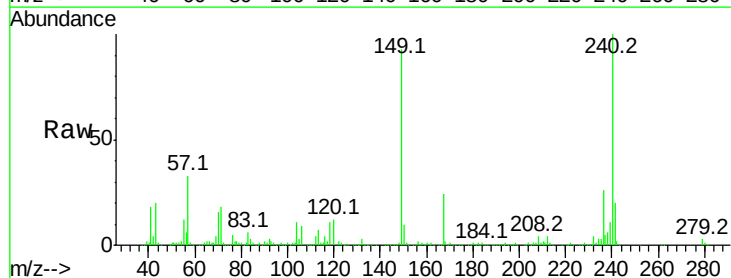


Time-->

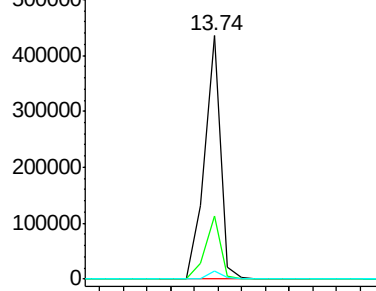


#83
 Bis(2-ethylhexyl)phthalate
 Concen: 23.69 ng
 RT: 13.74 min Scan# 1063
 Delta R.T. -0.01 min
 Lab File: BF087106.D
 Acq: 17 May 2016 16:53

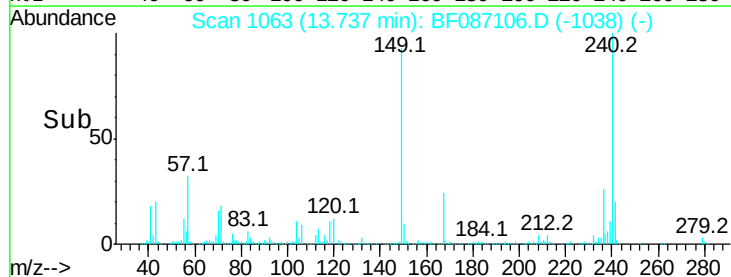
Tgt Ion:	149	Resp:	407698
Ion Ratio	Lower	Upper	
149	100		
167	26.1	21.8	32.6
279	3.3	2.6	4.0

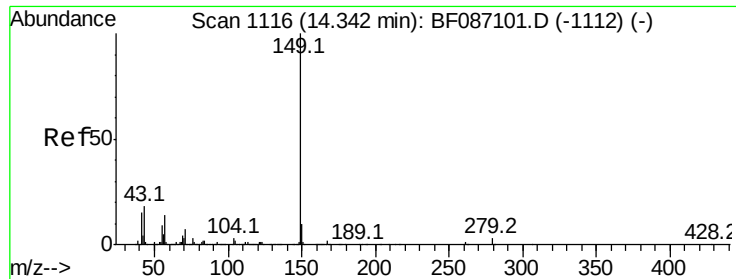


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



Time-->





#84

Di-n-octyl phthalate

Concen: 24.75 ng

RT: 14.34 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BF087106.D

Acq: 17 May 2016 16:53

Instrument :

BNA_F

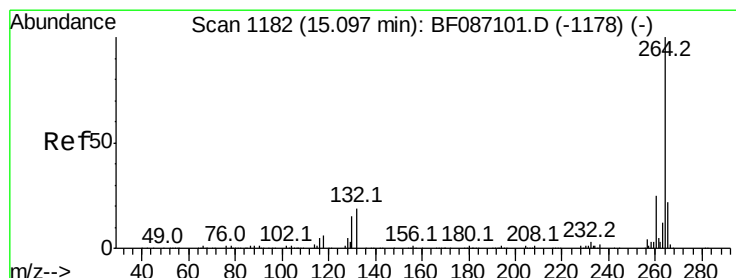
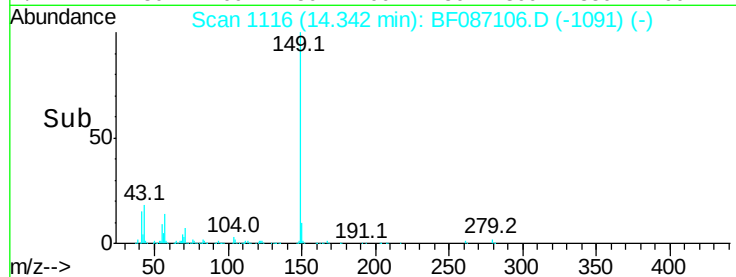
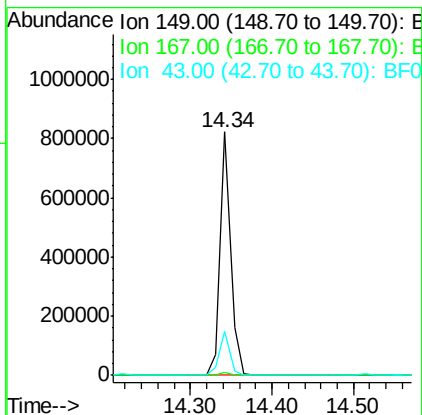
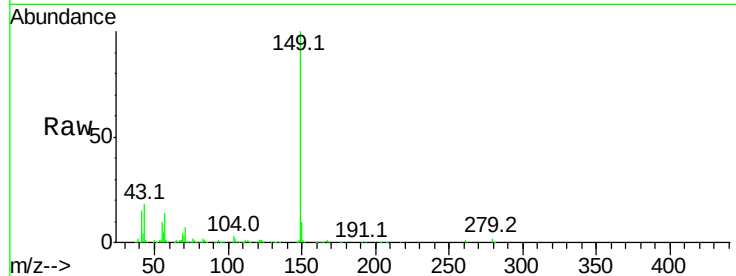
ClientSampled :

PT-BNA-SOILD

Tot Ion:	149	Resp:	733846
Ion Ratio	Lower	Upper	
149	100		
167	1.4	1.2	1.8
43	17.7	8.2	12.4

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#86

Perylene-d12

Concen: 20.00 ng

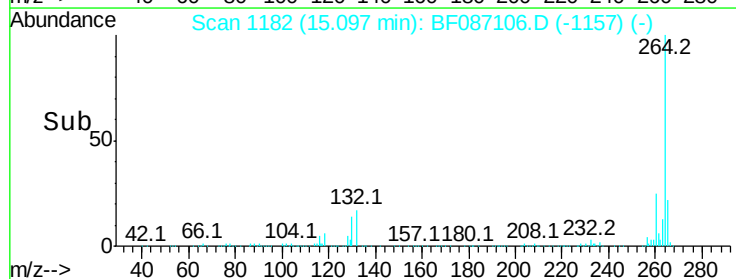
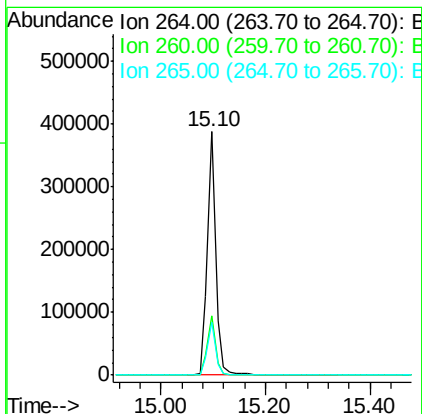
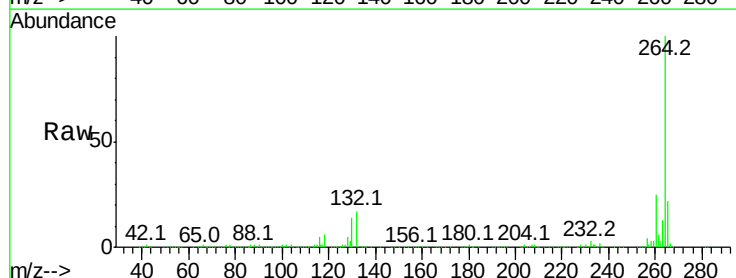
RT: 15.10 min Scan# 1182

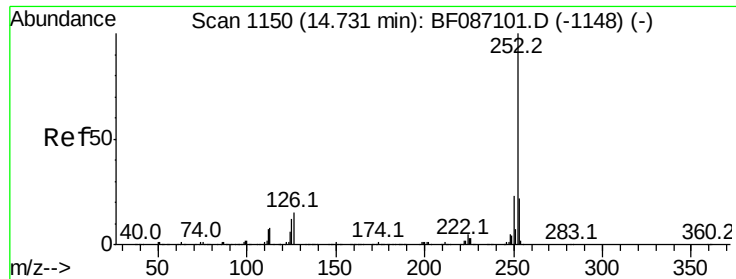
Delta R.T. -0.01 min

Lab File: BF087106.D

Acq: 17 May 2016 16:53

Tgt Ion:	264	Resp:	437066
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.5	29.3
265	21.6	17.3	25.9





#87

Benzo(b)fluoranthene

Concen: 13.61 ng m

RT: 14.73 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF087106.D

Acq: 17 May 2016 16:53

Instrument :

BNA_F

ClientSampleId :

PT-BNA-SOILD

Tot Ion:252 Resp: 394576

Ion Ratio Lower Upper

252 100

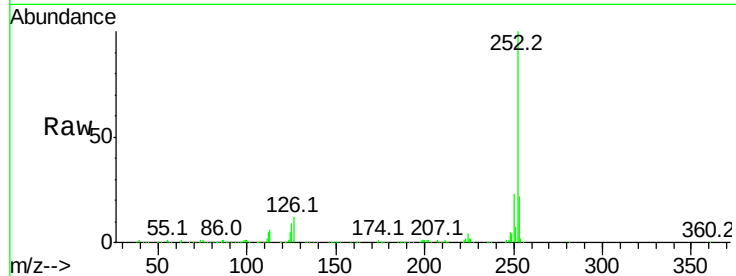
253 21.8 17.8 26.6

125 9.2 11.4 17.0#

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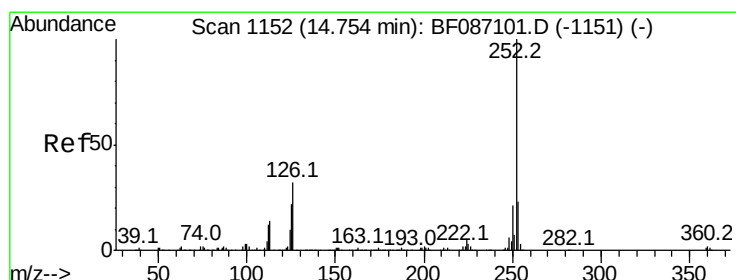
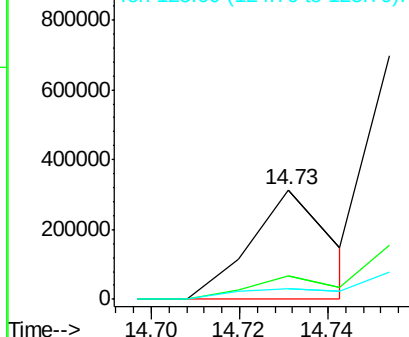
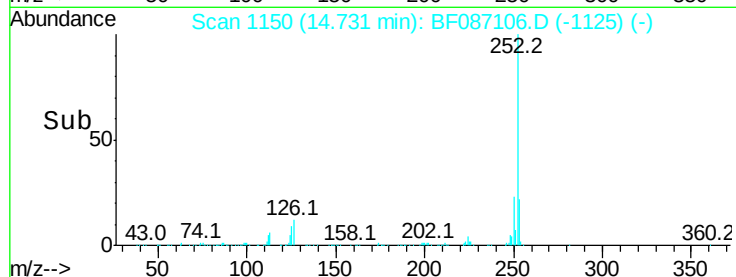
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 28.67 ng m

RT: 14.75 min Scan# 1152

Delta R.T. -0.02 min

Lab File: BF087106.D

Acq: 17 May 2016 16:53

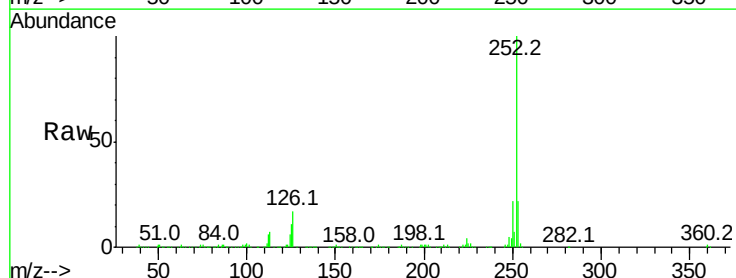
Tgt Ion:252 Resp: 618973

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

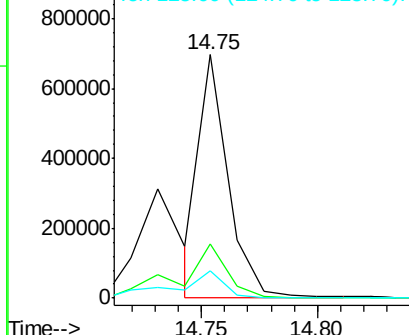
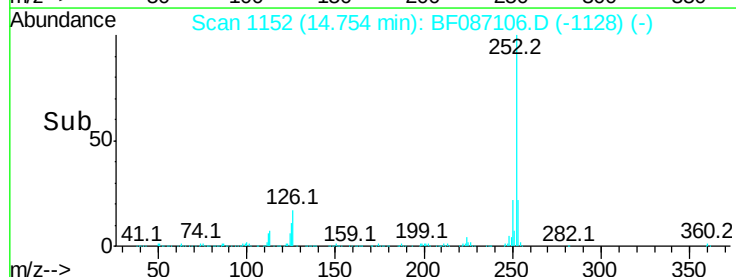
125 11.3 9.1 13.7

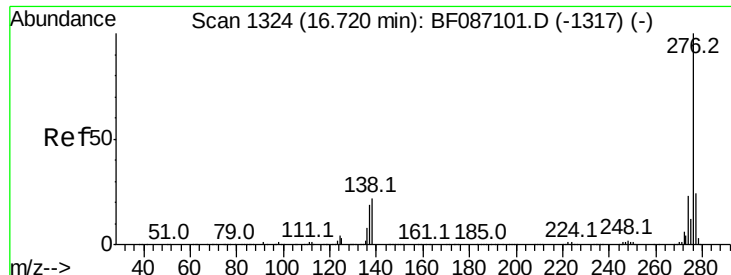


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





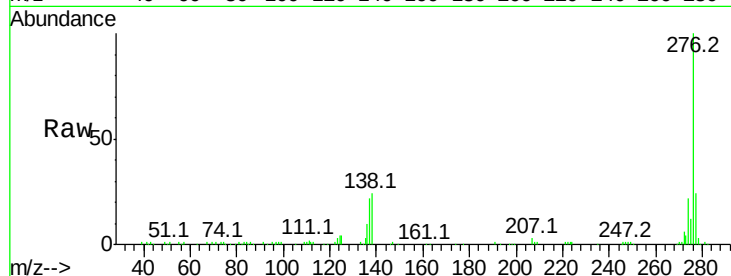
#91
 Benzo(a,h,i)perylene
 Concen: 12.22 ng
 RT: 16.70 min Scan# 1322
 Delta R.T. -0.05 min
 Lab File: BF087106.D
 Acq: 17 May 2016 16:53

Instrument :
 BNA_F
 ClientSampleId :
 PT-BNA-SOILDL

Tot Ion:	276	Resp:	251759
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.6	29.4
138	24.4	23.6	35.4

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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

