

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
 Data File : BF086120.D
 Acq On : 7 Apr 2016 1:47
 Operator : UM/SJ
 Sample : H2166-01
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 L-P-C-SOIL-PILE1

Manual Integrations
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 4/7/2016 5:59:09 PM

Quant Time: Apr 07 15:39:12 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	114439	20.00	ng	-0.03
21) Naphthalene-d8	8.03	136	443923	20.00	ng	-0.03
38) Acenaphthene-d10	9.78	164	164802	20.00	ng	-0.03
63) Phenanthrene-d10	11.26	188	267219	20.00	ng	-0.03
75) Chrysene-d12	13.91	240	225990	20.00	ng	-0.02
86) Perylene-d12	15.31	264	144727	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	925890	138.29	ng	-0.02
7) Phenol-d6	6.40	99	1234388	145.15	ng	-0.02
23) Nitrobenzene-d5	7.31	82	756362	100.48	ng	-0.03
41) 2,4,6-Tribromophenol	10.58	330	214123	138.43	ng	-0.02
44) 2-Fluorobiphenyl	9.10	172	1043455	105.27	ng	-0.03
78) Terphenyl-d14	12.85	244	820433	85.34	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.50	163	106113	8.69	ng	99
70) Phenanthrene	11.29	178	169887	11.65	ng	98
71) Anthracene	11.34	178	44988	2.95	ng	98
74) Fluoranthene	12.48	202	358614	23.65	ng	95
77) Pyrene	12.71	202	337871	21.22	ng	100
80) Benzo(a)anthracene	13.89	228	167311	12.56	ng	97
82) Chrysene	13.93	228	169122m	13.18	ng	
85) Indeno(1,2,3-cd)pyrene	16.66	276	65688	6.31	ng	95
87) Benzo(b)fluoranthene	14.91	252	166913m	18.33	ng	
88) Benzo(k)fluoranthene	14.92	252	70655m	8.76	ng	
89) Benzo(a)pyrene	15.25	252	109773	13.61	ng	97
90) Dibenzo(a,h)anthracene	16.66	278	19113	2.94	ng	# 73
91) Benzo(a,h,i)perylene	17.06	276	65209	10.38	ng	97

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

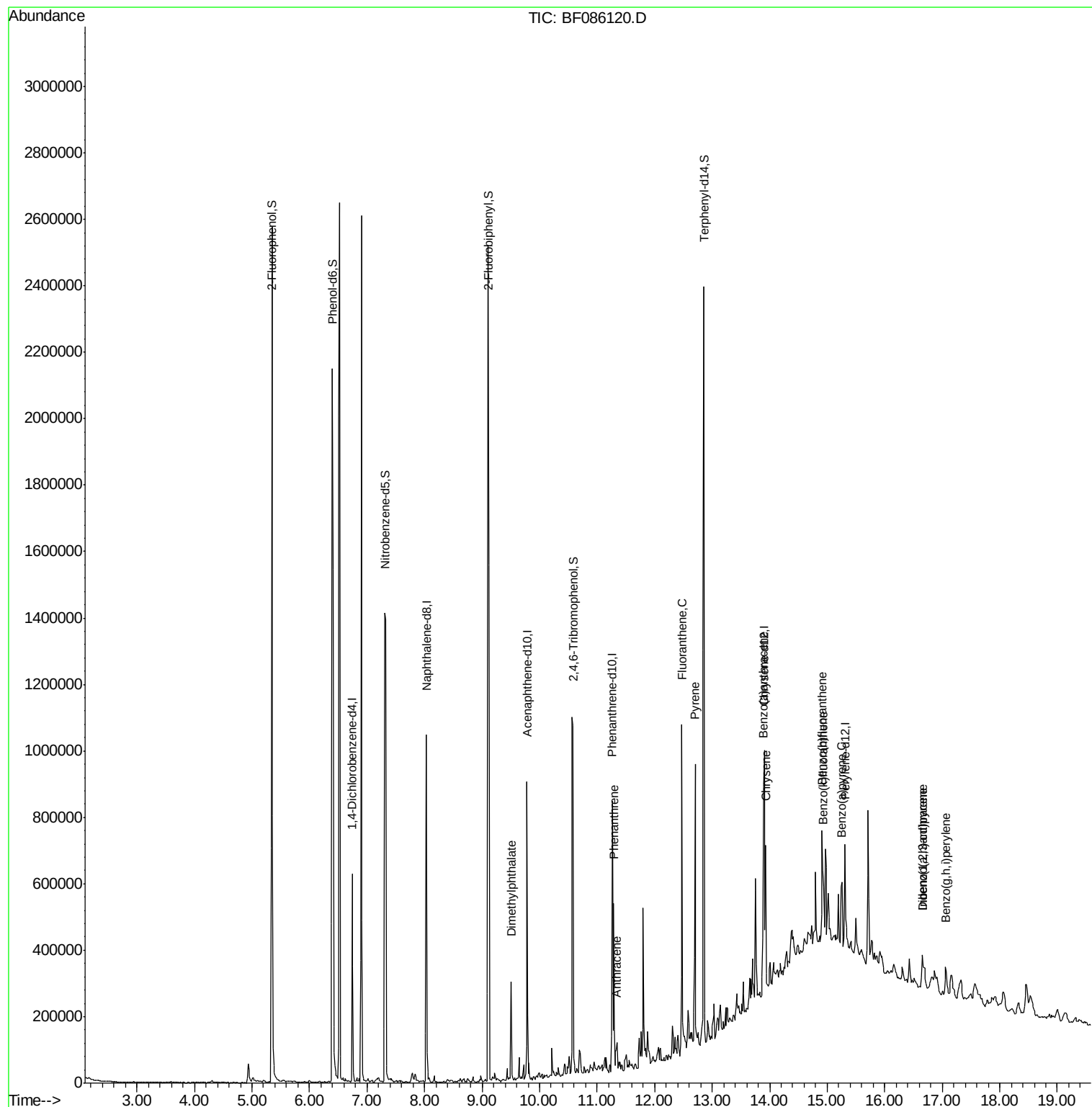
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
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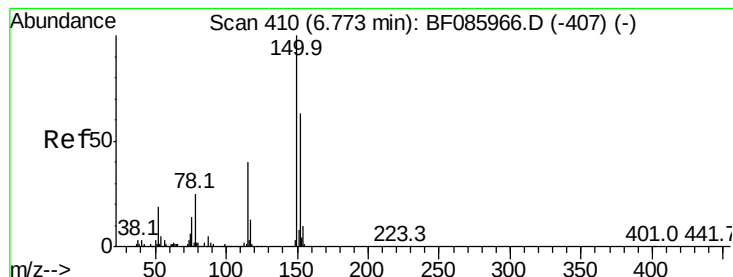
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF086120.D

Acq: 7 Apr 2016 1:47

Instrument :

BNA_F

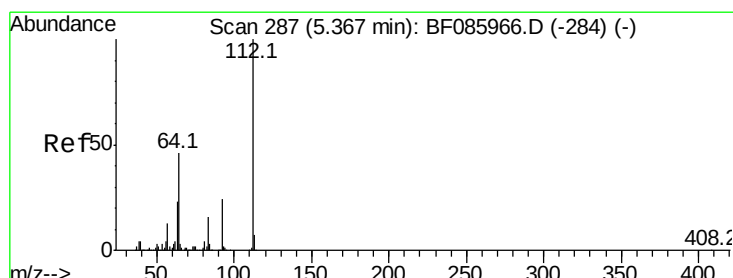
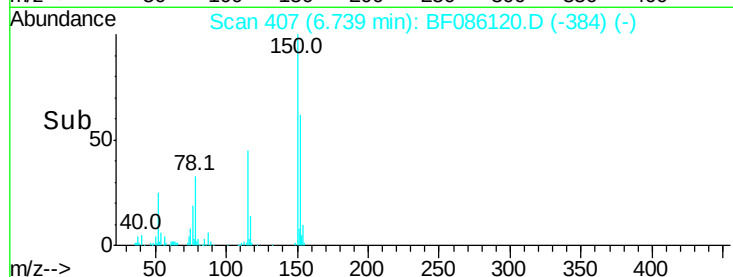
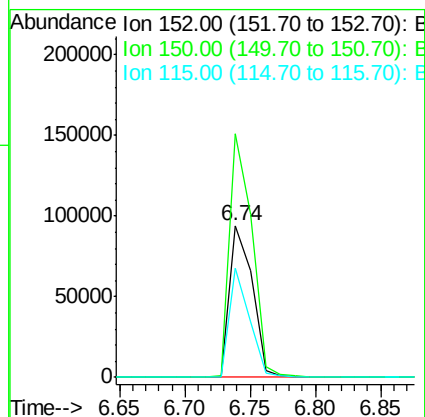
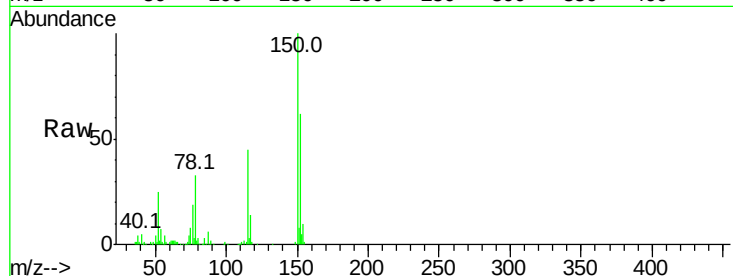
ClientSampleId :

L-P-C-SOIL-PILE1

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Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	124.2	186.2
115	72.2	47.0	70.6



#5

2-Fluorophenol

Concen: 138.29 ng

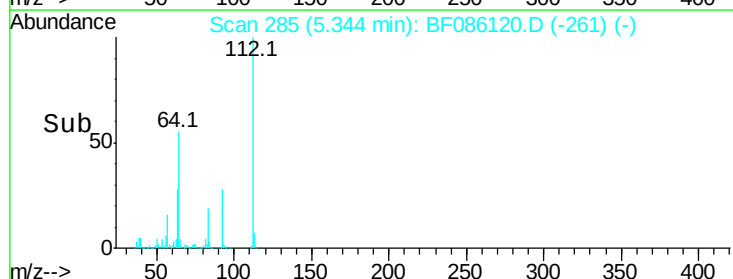
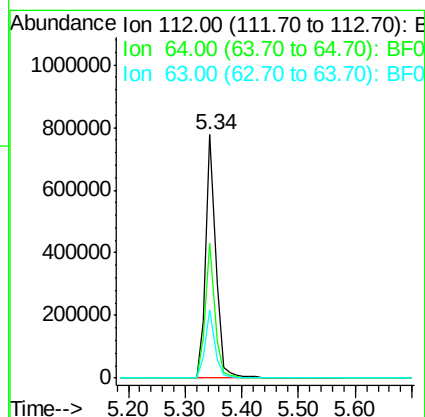
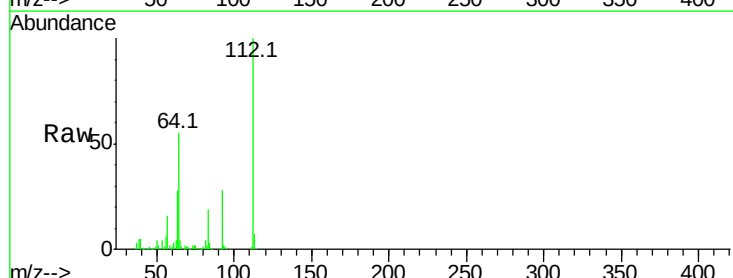
RT: 5.34 min Scan# 285

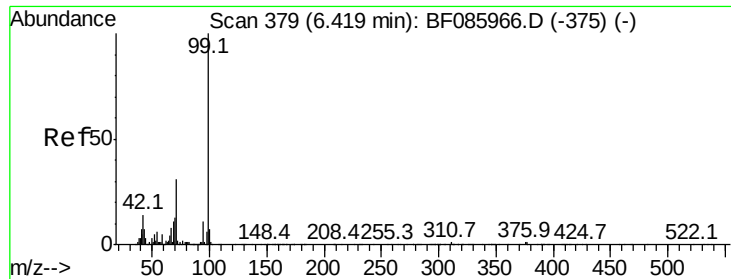
Delta R.T. -0.02 min

Lab File: BF086120.D

Acq: 7 Apr 2016 1:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	39.9	59.9
63	28.0	20.2	30.2





#7

Phenol-d6

Concen: 145.15 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF086120.D

Acq: 7 Apr 2016 1:47

Instrument :

BNA_F

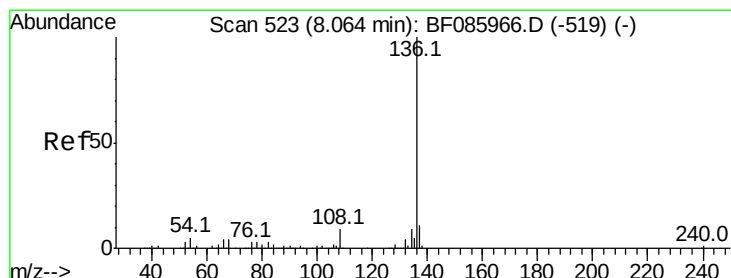
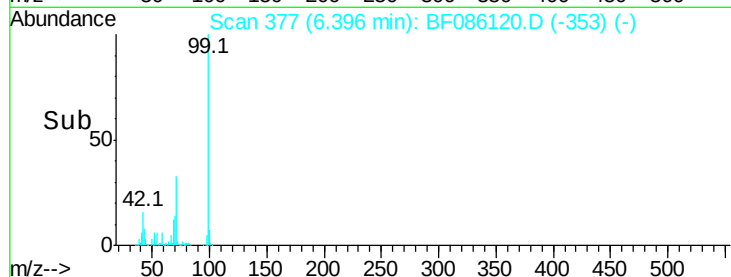
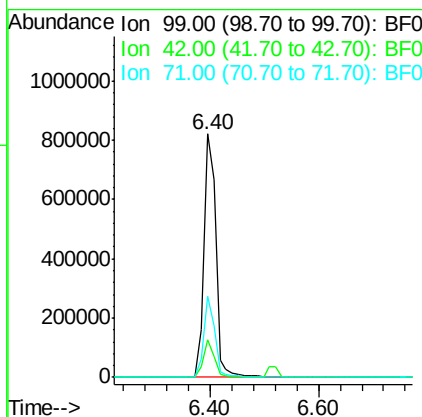
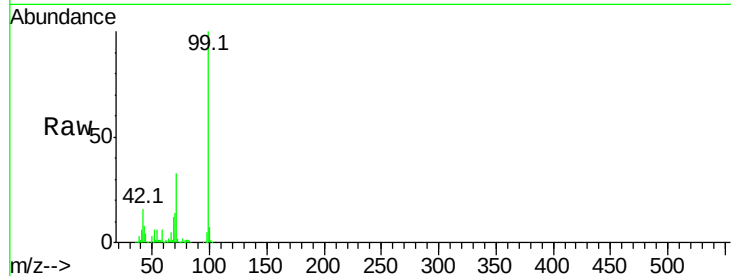
ClientSampleId :

L-P-C-SOIL-PILE1

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Tot Ion:	99	Resp:	1234388
Ion	Ratio	Lower	Upper
99	100		
42	15.6	11.1	16.7
71	33.2	24.9	37.3



#21

Naphthalene-d8

Concen: 20.00 ng

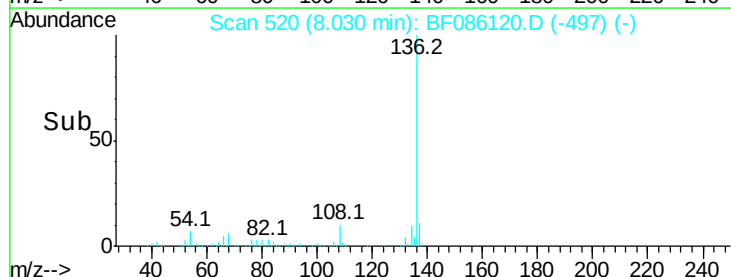
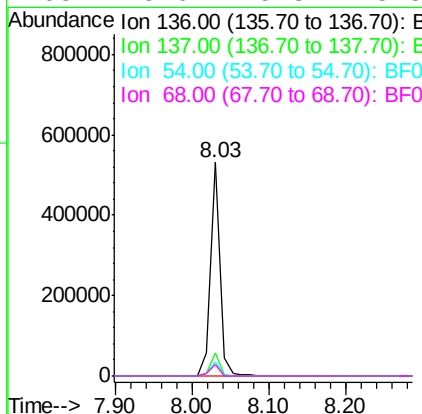
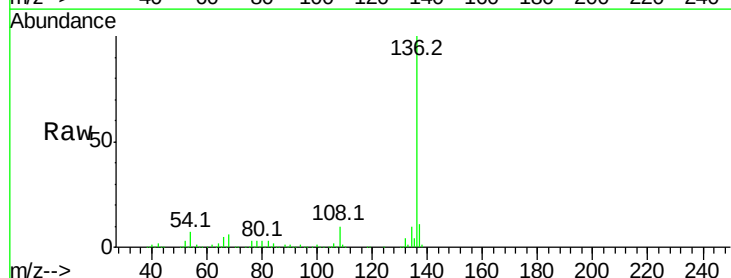
RT: 8.03 min Scan# 520

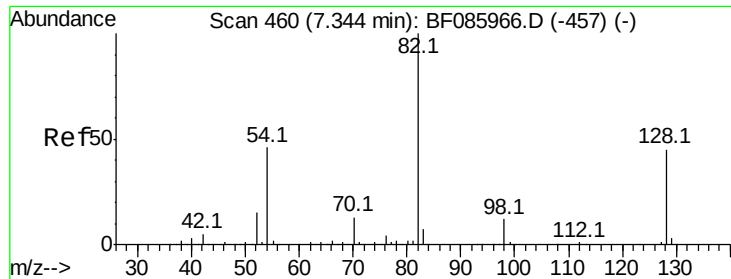
Delta R.T. -0.03 min

Lab File: BF086120.D

Acq: 7 Apr 2016 1:47

Tgt Ion:	136	Resp:	443923
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	6.6	7.4	11.0#
68	5.6	5.8	8.8#





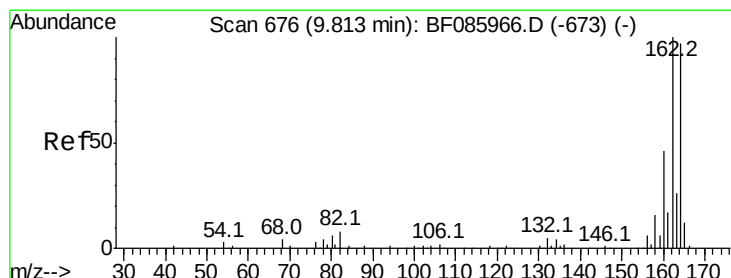
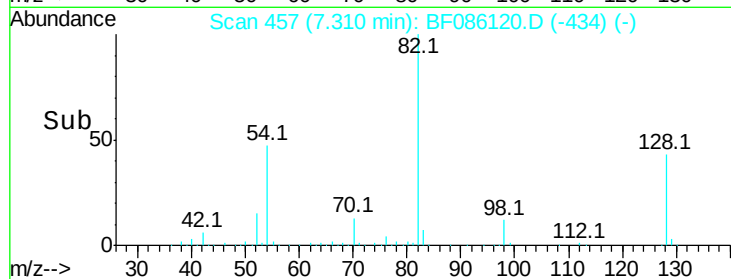
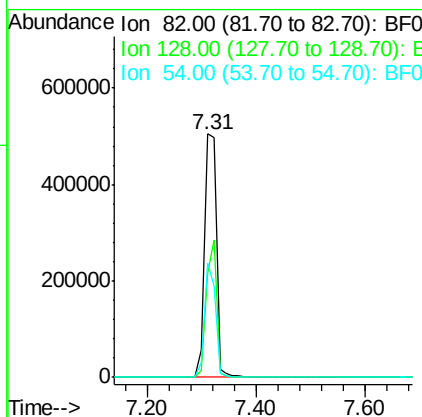
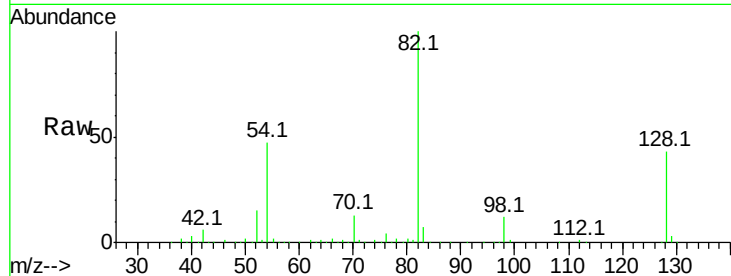
#23
 Nitrobenzene-d5
 Concen: 100.48 ng
 RT: 7.31 min Scan# 457
 Delta R.T. -0.03 min
 Lab File: BF086120.D
 Acq: 7 Apr 2016 1:47

Instrument :
 BNA_F
 ClientSampleId :
 L-P-C-SOIL-PILE1

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.0	41.8	62.8
54	47.1	33.4	50.0

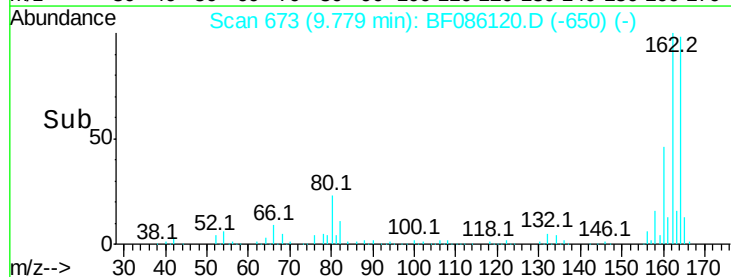
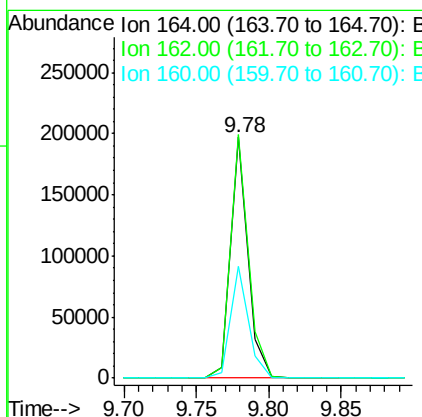
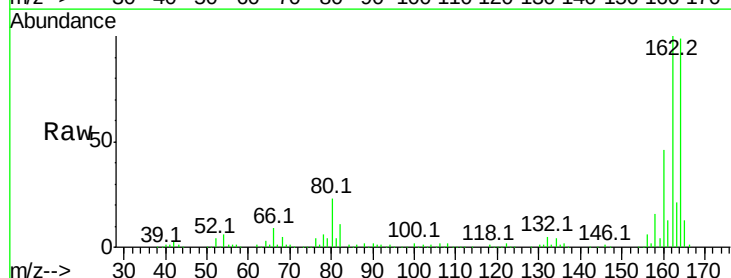
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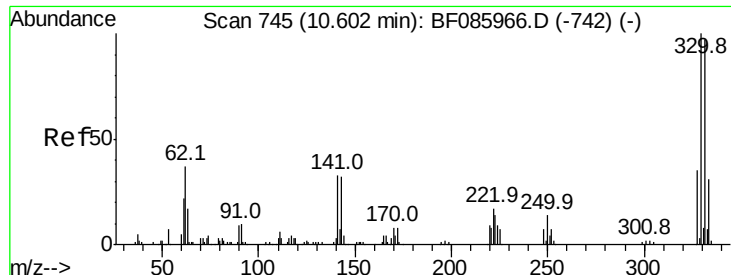
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.03 min
 Lab File: BF086120.D
 Acq: 7 Apr 2016 1:47

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	82.1	123.1
160	46.6	37.4	56.2





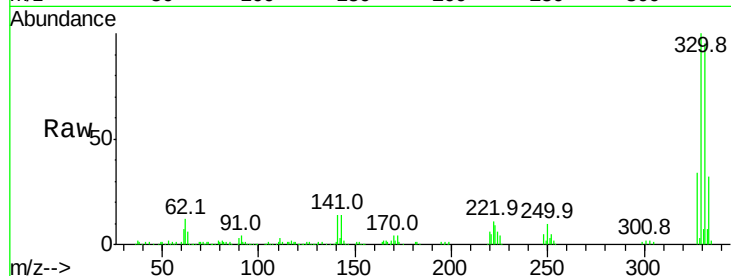
#41
 2,4,6-Tribromophenol
 Concen: 138.43 ng
 RT: 10.58 min Scan# 743
 Delta R.T. -0.02 min
 Lab File: BF086120.D
 Acq: 7 Apr 2016 1:47

Instrument :
 BNA_F
 ClientSampleId :
 L-P-C-SOIL-PILE1

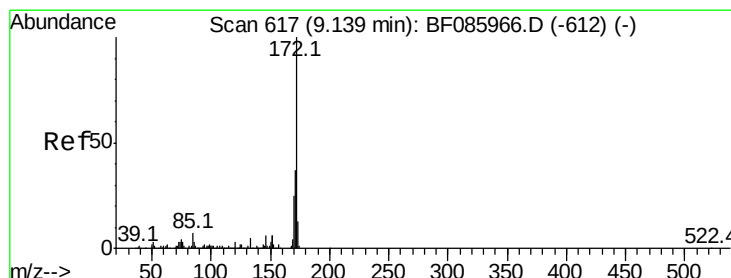
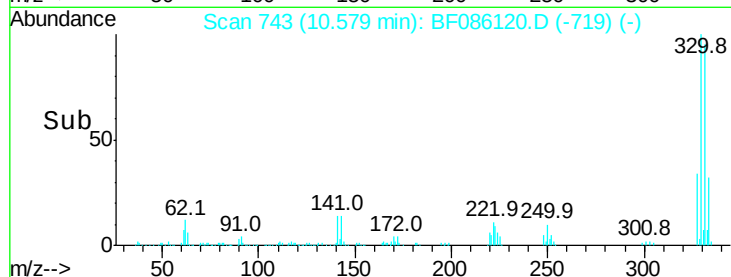
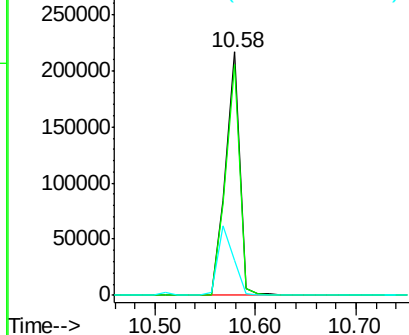
Tot Ion	Ratio	Resp	Lower	Upper
330	100	214123		
332	95.4	78.2	117.2	
141	31.6	31.5	47.3	

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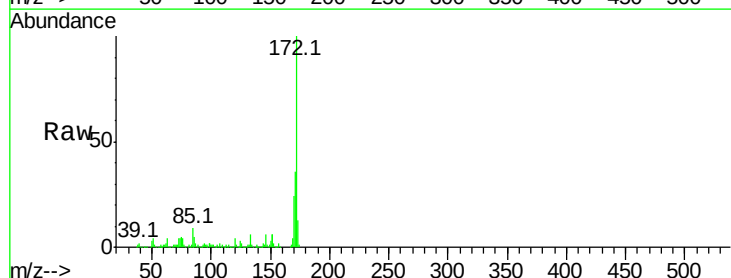


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

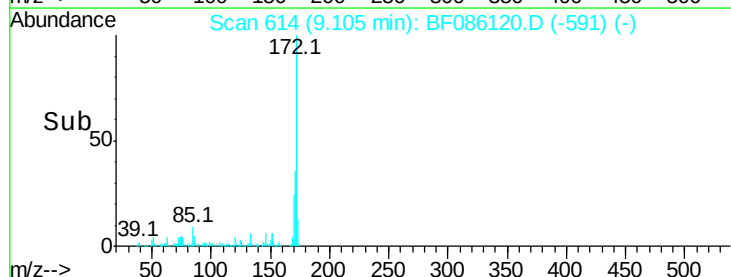
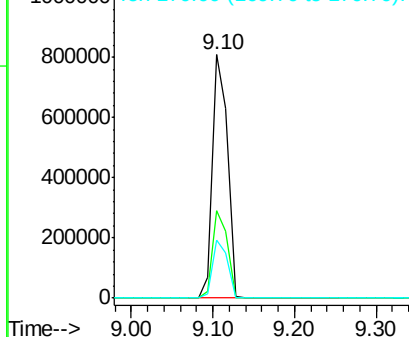


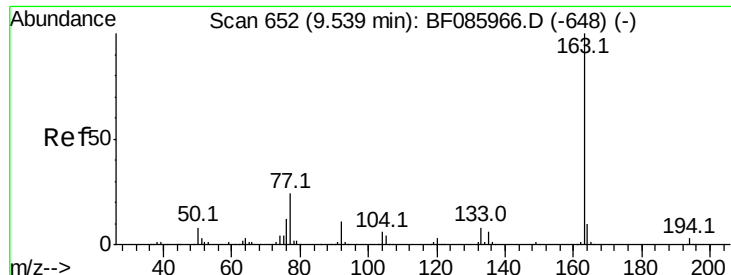
#44
 2-Fluorobiphenyl
 Concen: 105.27 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.03 min
 Lab File: BF086120.D
 Acq: 7 Apr 2016 1:47

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1043455		
171	36.0	29.4	44.2	
170	24.1	19.8	29.6	



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





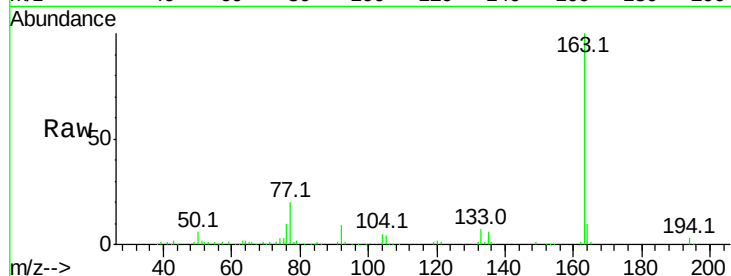
#49
Dimethylphthalate
Concen: 8.69 ng
RT: 9.50 min Scan# 649
Delta R.T. -0.03 min
Lab File: BF086120.D
Acq: 7 Apr 2016 1:47

Instrument :
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ClientSampleId :
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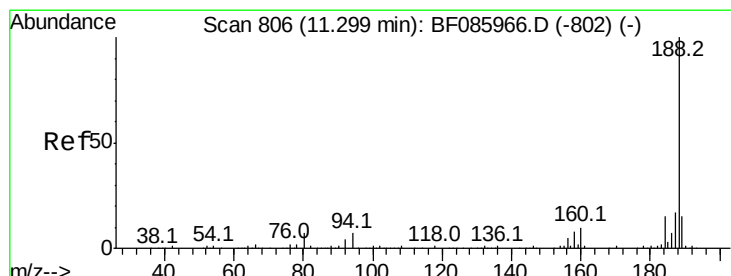
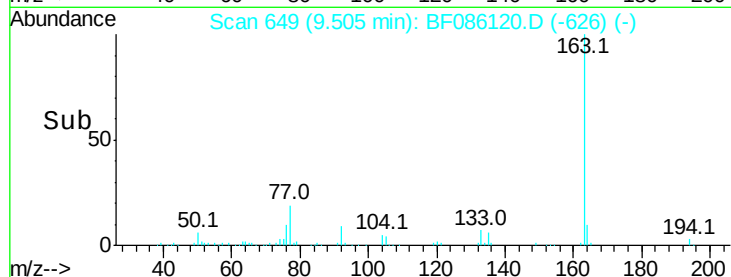
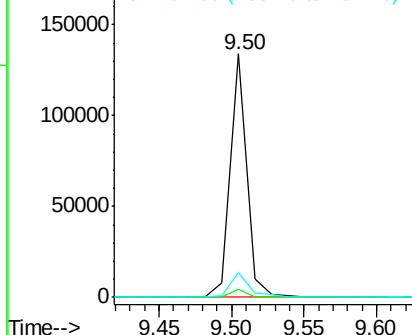
Tot Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.2	2.9	4.3
164	10.2	8.3	12.5

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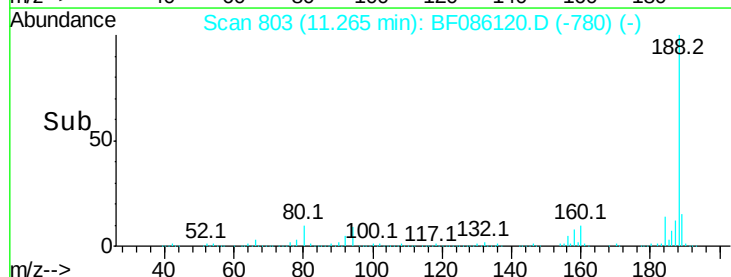
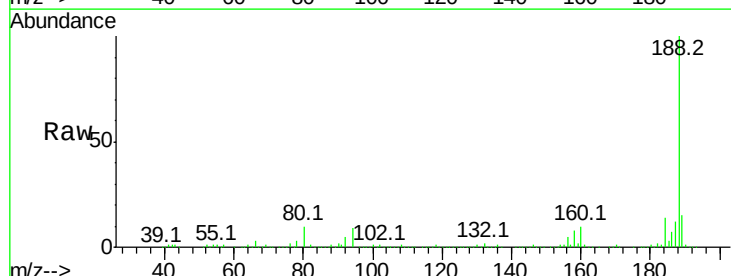
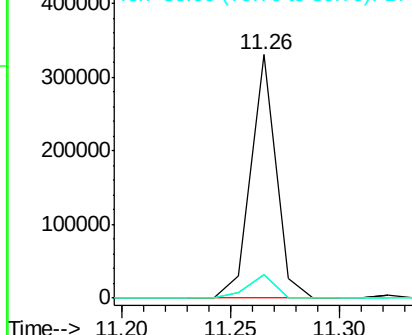
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

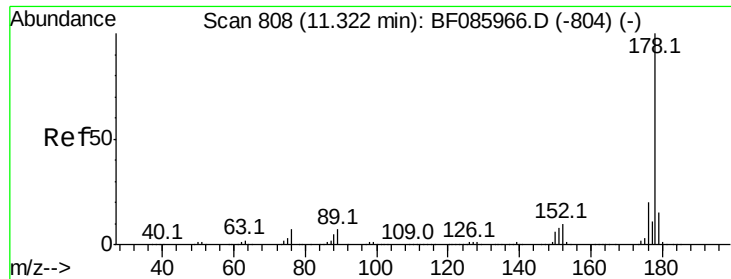


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.03 min
Lab File: BF086120.D
Acq: 7 Apr 2016 1:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.4	5.4	8.0#
80	9.7	5.5	8.3#

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 11.65 ng

RT: 11.29 min Scan# 805

Delta R.T. -0.03 min

Lab File: BF086120.D

Acq: 7 Apr 2016 1:47

Instrument :

BNA_F

ClientSampleId :

L-P-C-SOIL-PILE1

Tot Ion:178 Resp: 169887

Ion Ratio Lower Upper

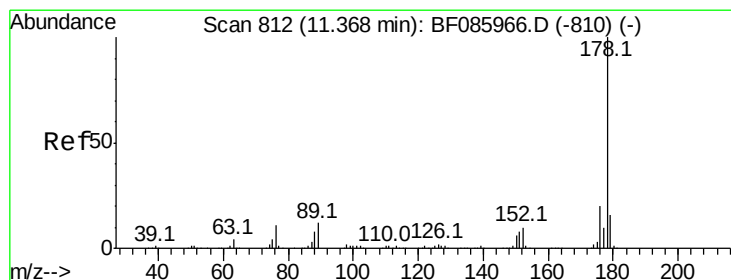
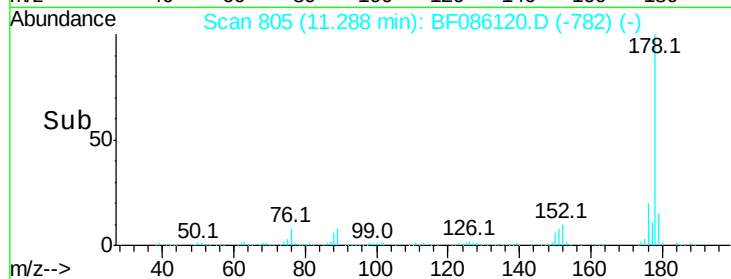
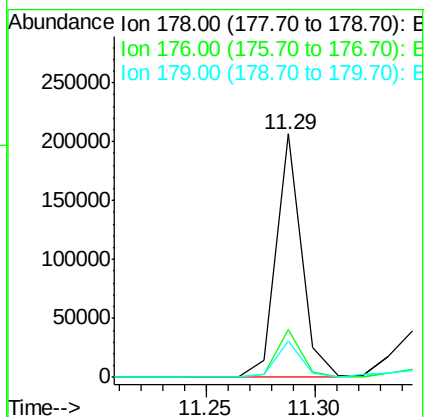
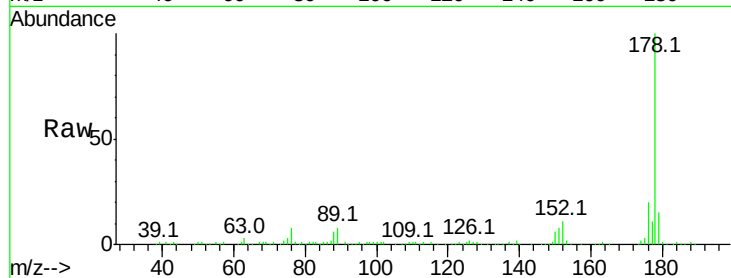
178 100

176 19.7 16.3 24.5

179 14.9 12.6 18.8

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#71

Anthracene

Concen: 2.95 ng

RT: 11.34 min Scan# 810

Delta R.T. -0.02 min

Lab File: BF086120.D

Acq: 7 Apr 2016 1:47

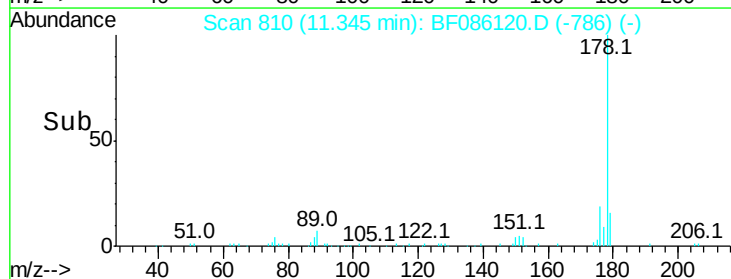
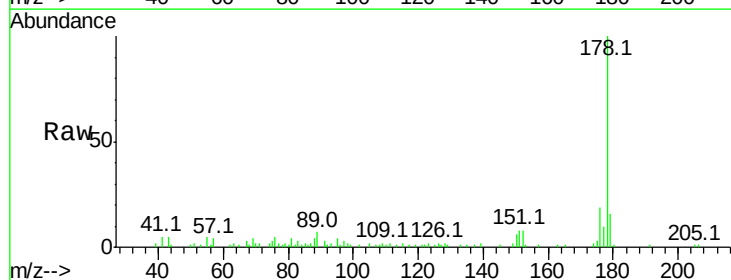
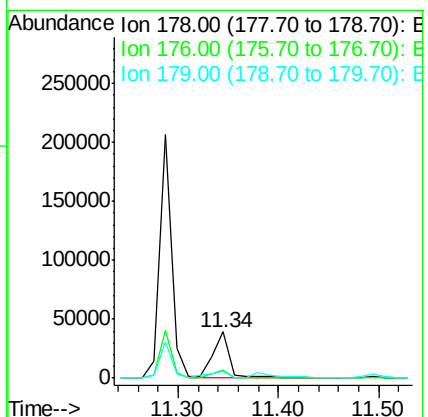
Tgt Ion:178 Resp: 44988

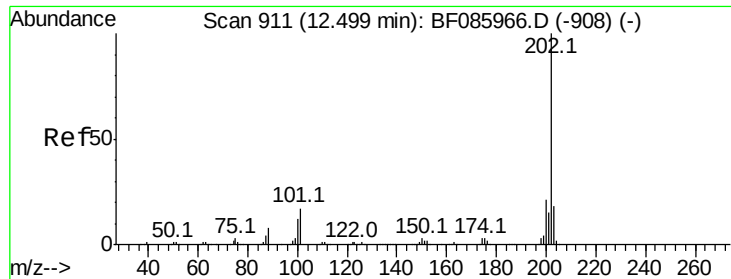
Ion Ratio Lower Upper

178 100

176 18.7 15.9 23.9

179 15.5 13.0 19.4





#74

Fluoranthene

Concen: 23.65 ng

RT: 12.48 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF086120.D

Acq: 7 Apr 2016 1:47

Instrument :

BNA_F

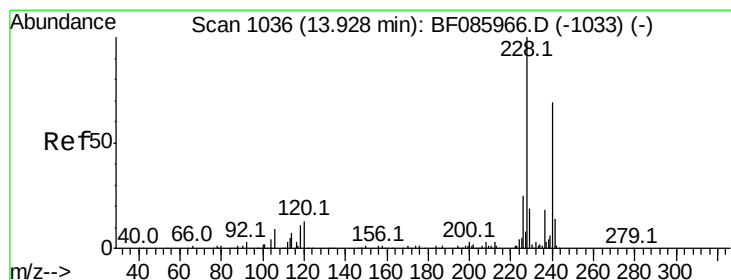
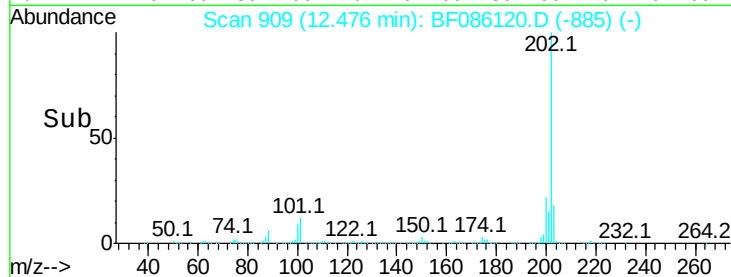
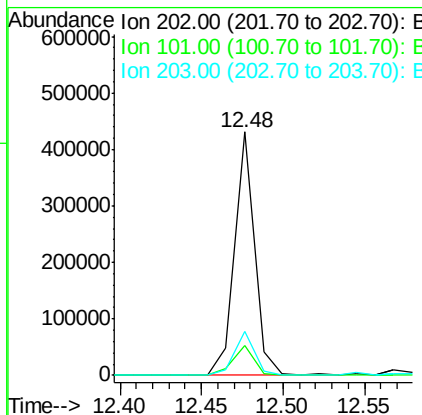
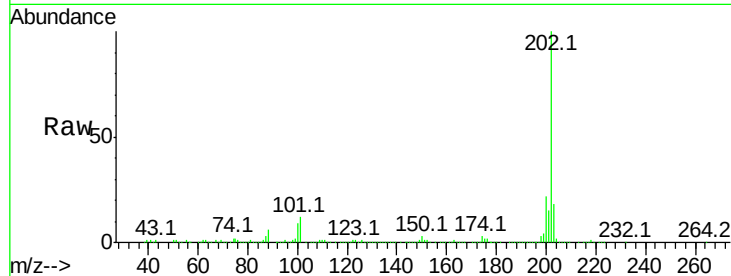
ClientSampleId :

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Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.0	0.0	36.6
203	17.9	0.0	38.1



#75

Chrysene-d12

Concen: 20.00 ng

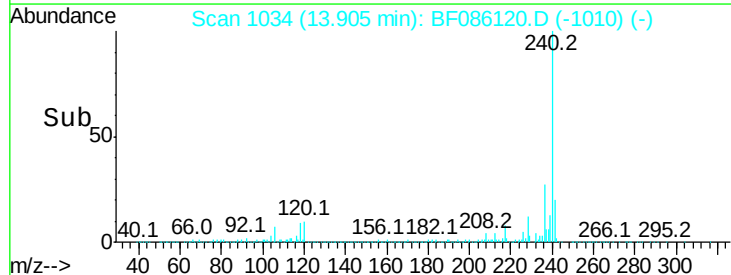
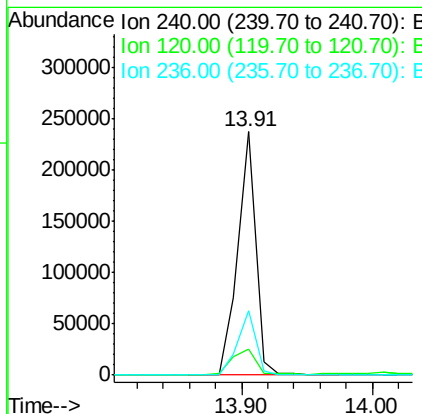
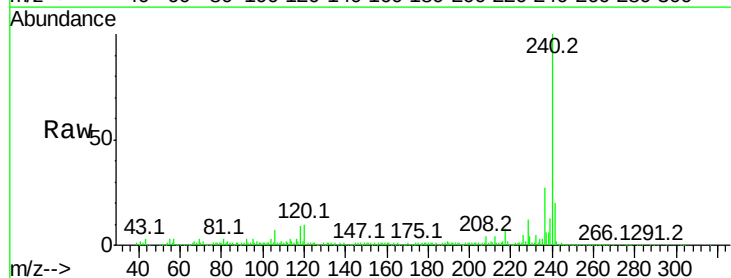
RT: 13.91 min Scan# 1034

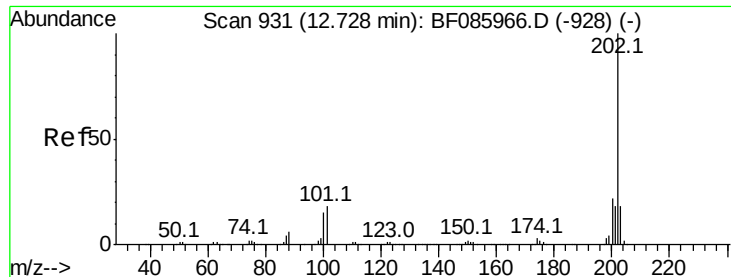
Delta R.T. -0.02 min

Lab File: BF086120.D

Acq: 7 Apr 2016 1:47

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.4	13.8	20.8#
236	26.7	20.6	30.8





#77

Pvrene

Concen: 21.22 ng

RT: 12.71 min Scan# 929

Delta R.T. -0.02 min

Lab File: BF086120.D

Acq: 7 Apr 2016 1:47

Instrument :

BNA_F

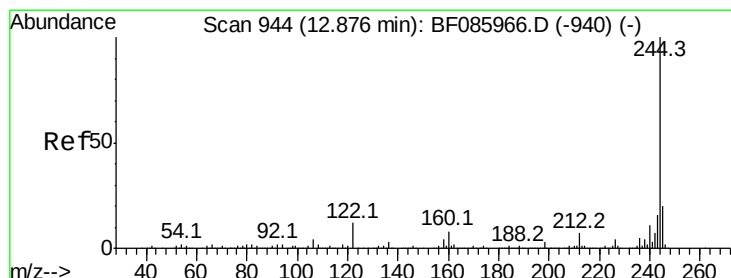
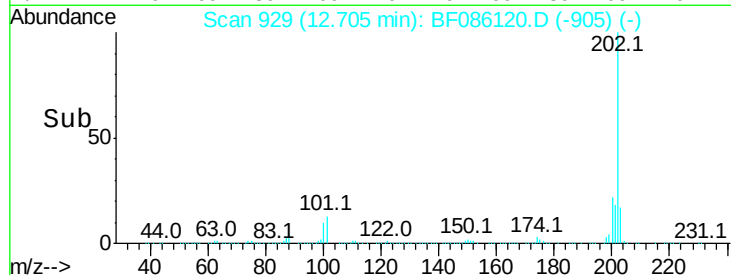
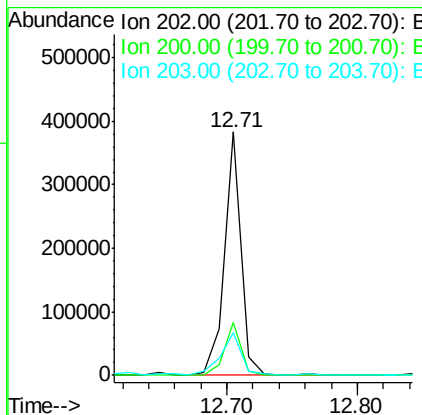
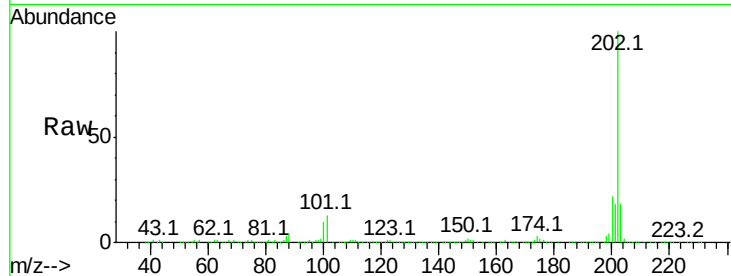
ClientSampleId :

L-P-C-SOIL-PILE1

Tot Ion:	202	Resp:	337871
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.6	26.4
203	17.6	14.0	21.0

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#78

Terphenyl-d14

Concen: 85.34 ng

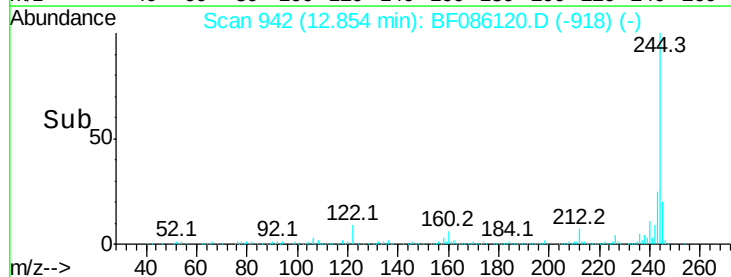
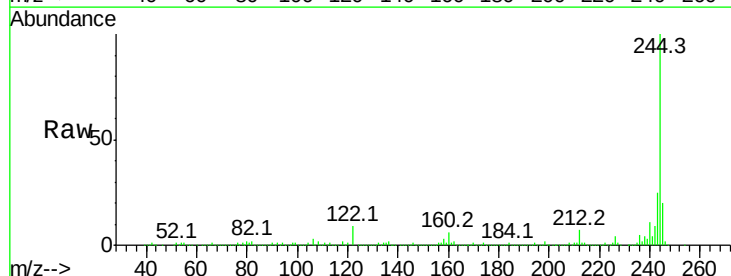
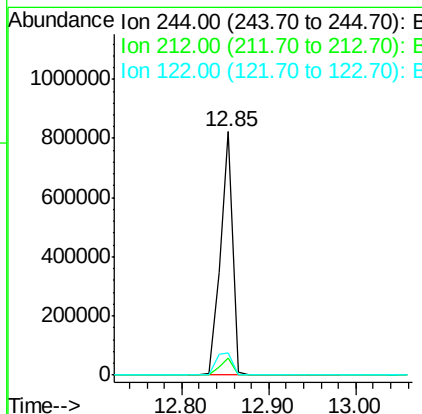
RT: 12.85 min Scan# 942

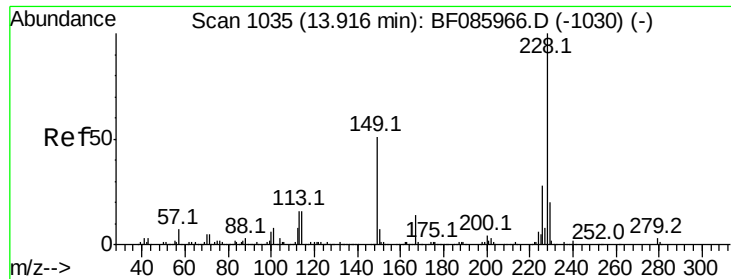
Delta R.T. -0.02 min

Lab File: BF086120.D

Acq: 7 Apr 2016 1:47

Tgt Ion:	244	Resp:	820433
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.1	9.1
122	9.0	10.2	15.4#





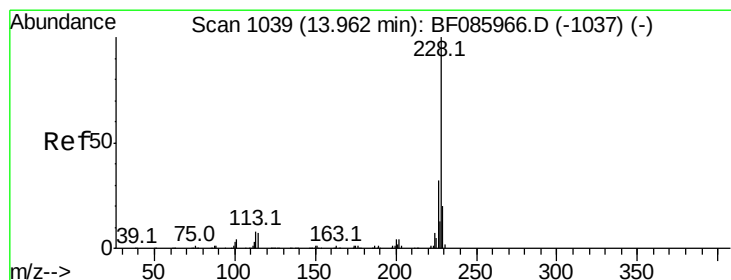
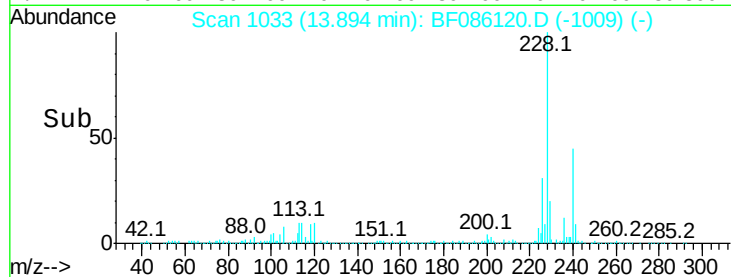
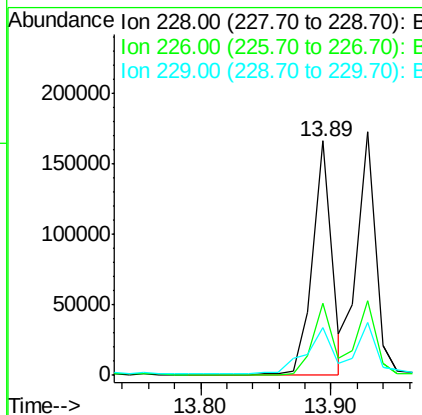
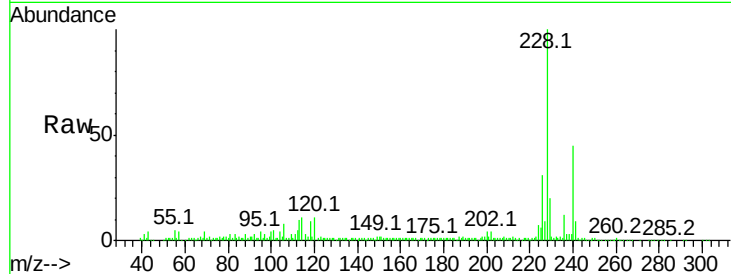
#80
Benzo(a)anthracene
Concen: 12.56 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BF086120.D
Acq: 7 Apr 2016 1:47

Instrument :
BNA_F
ClientSampleId :
L-P-C-SOIL-PILE1

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.1	33.1
229	20.3	16.2	24.4

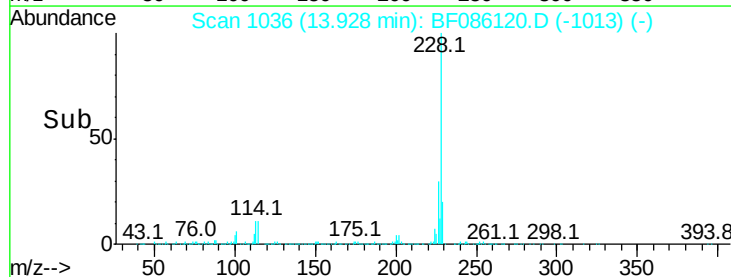
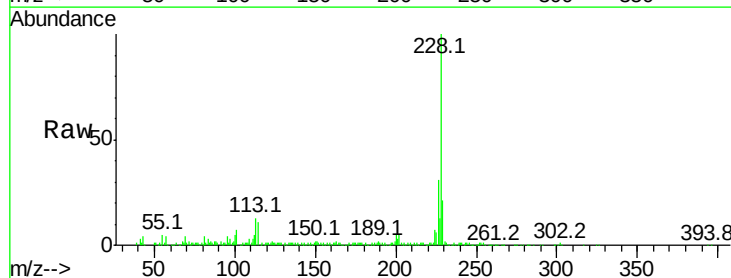
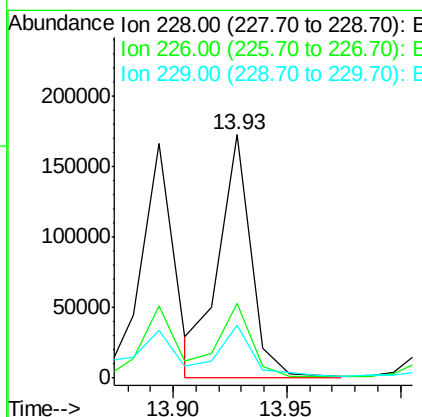
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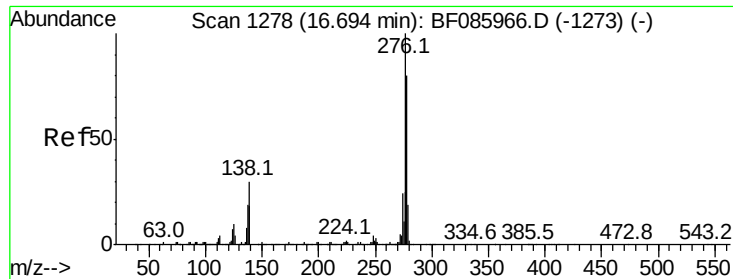
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#82
Chrysene
Concen: 13.18 ng m
RT: 13.93 min Scan# 1036
Delta R.T. -0.03 min
Lab File: BF086120.D
Acq: 7 Apr 2016 1:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	21.5	15.7	23.5





#85

Indeno(1,2,3-cd)pyrene

Concen: 6.31 ng

RT: 16.66 min Scan# 1275

Delta R.T. -0.03 min

Lab File: BF086120.D

Acq: 7 Apr 2016 1:47

Instrument :

BNA_F

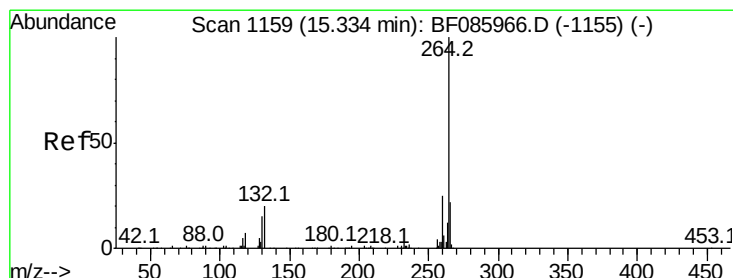
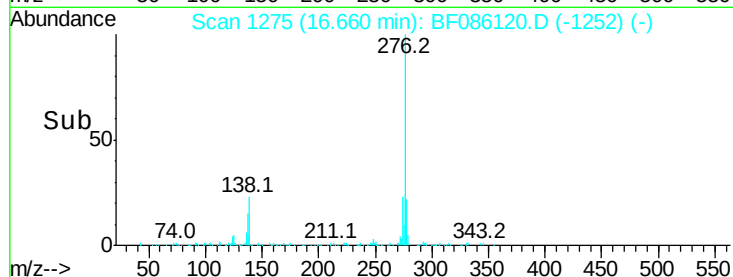
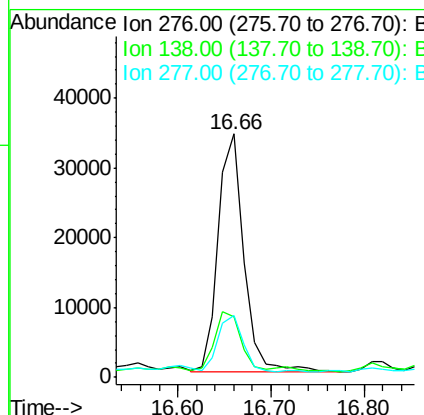
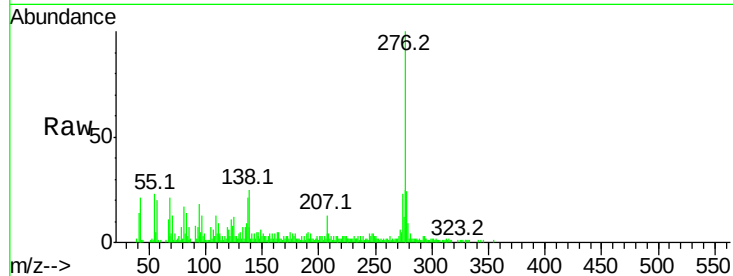
ClientSampleId :

L-P-C-SOIL-PILE1

Tot Ion:	276	Resp:	65688
Ion Ratio	Lower	Upper	
276	100		
138	27.1	24.2	36.4
277	22.8	20.0	30.0

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#86

Perylene-d12

Concen: 20.00 ng

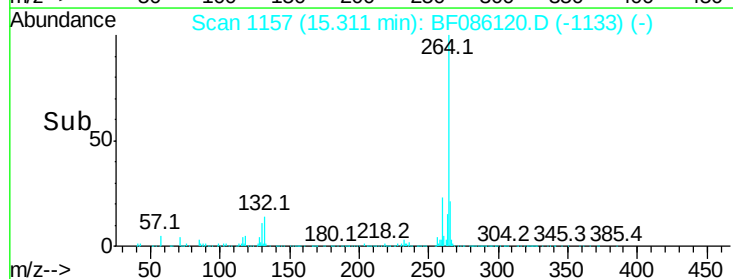
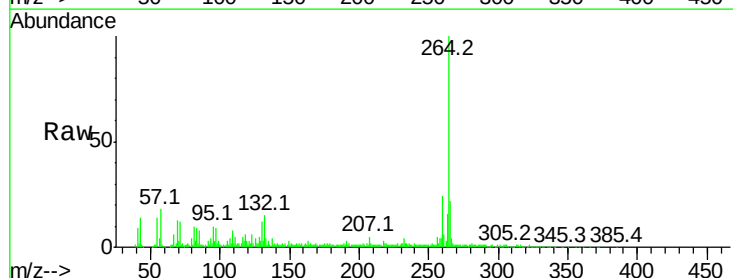
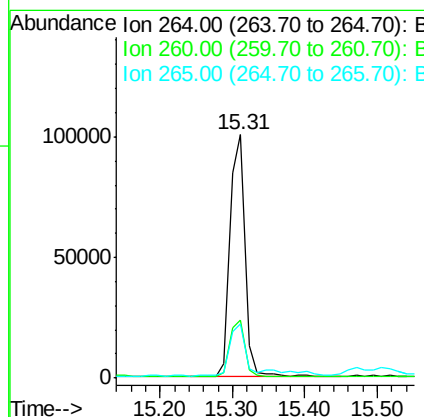
RT: 15.31 min Scan# 1157

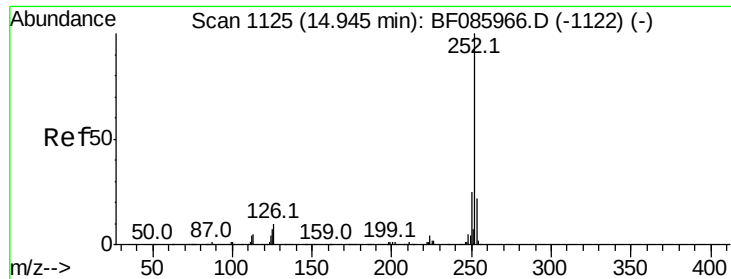
Delta R.T. -0.02 min

Lab File: BF086120.D

Acq: 7 Apr 2016 1:47

Tgt Ion:	264	Resp:	144727
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.4	29.2
265	22.1	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 18.33 ng m

RT: 14.91 min Scan# 1122

Delta R.T. -0.03 min

Lab File: BF086120.D

Acq: 7 Apr 2016 1:47

Instrument :

BNA_F

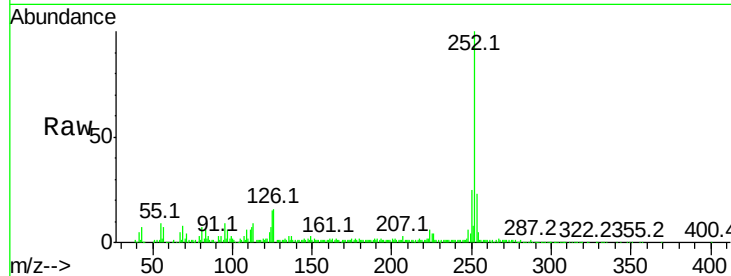
ClientSampleId :

L-P-C-SOIL-PILE1

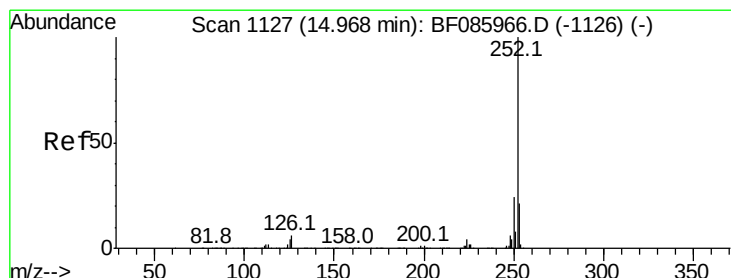
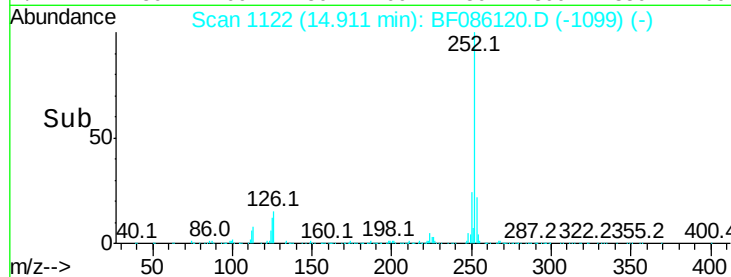
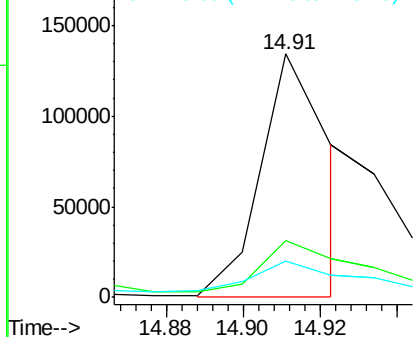
Tot Ion:	252	Resp:	166913
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.6	26.4
125	14.8	10.3	15.5

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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: 8.76 ng m

RT: 14.92 min Scan# 1123

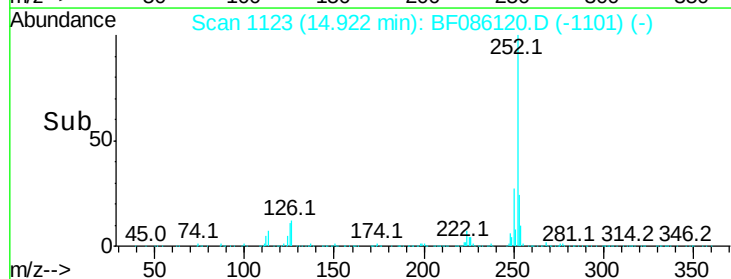
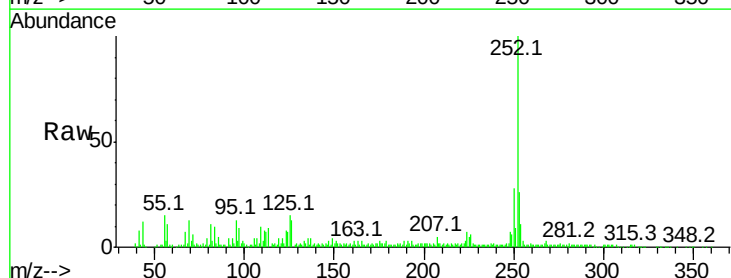
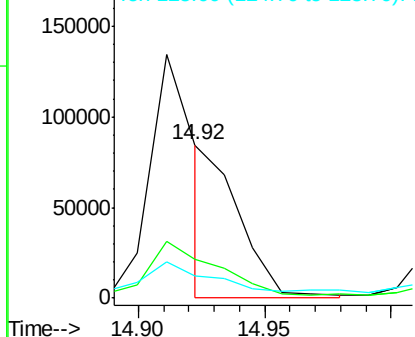
Delta R.T. -0.05 min

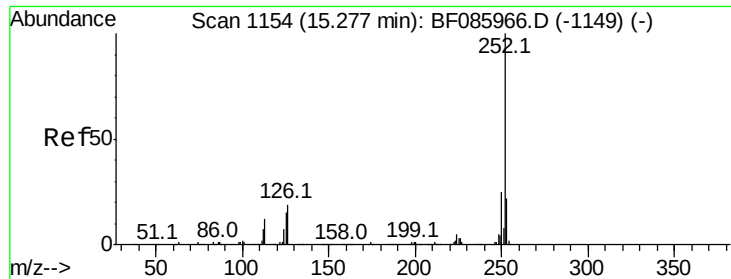
Lab File: BF086120.D

Acq: 7 Apr 2016 1:47

Tgt Ion:	252	Resp:	70655
Ion Ratio	Lower	Upper	
252	100		
253	25.8	17.8	26.6
125	14.6	7.7	11.5#

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





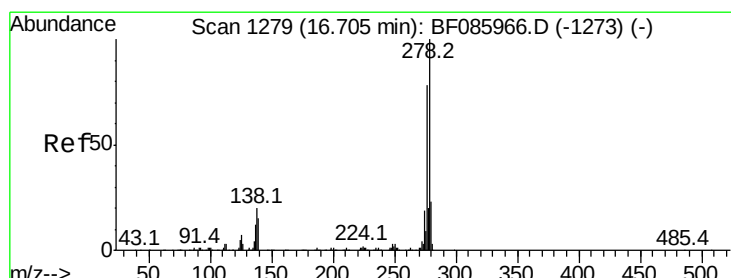
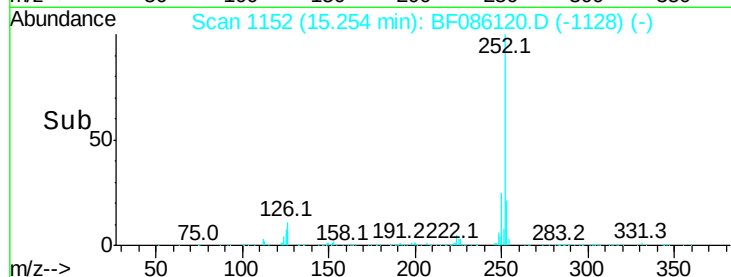
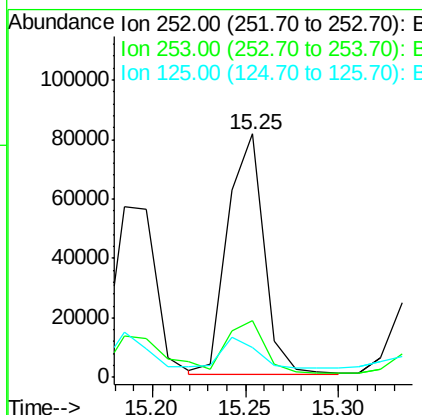
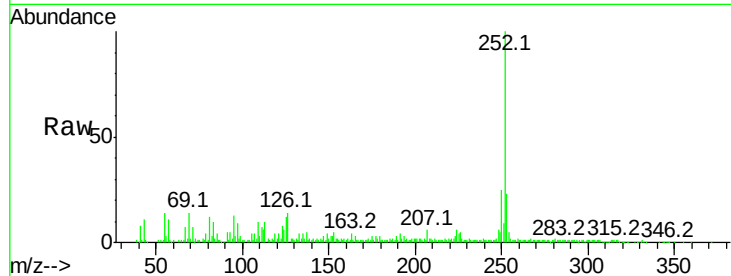
#89
Benzo(a)pyrene
Concen: 13.61 ng
RT: 15.25 min Scan# 1152
Delta R.T. -0.02 min
Lab File: BF086120.D
Acq: 7 Apr 2016 1:47

Instrument :
BNA_F
ClientSampleId :
L-P-C-SOIL-PILE1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	12.3	10.3	15.5

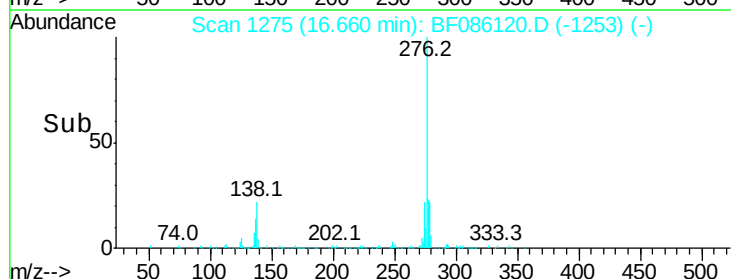
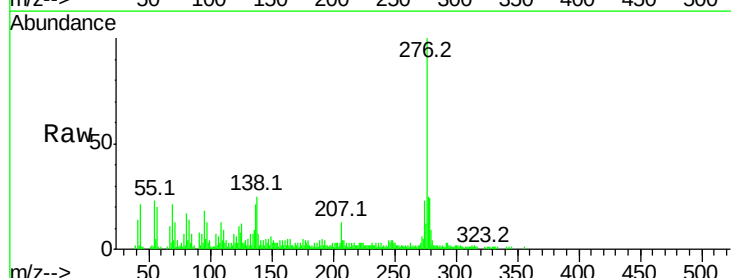
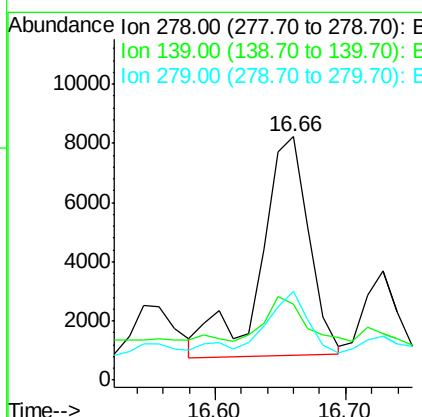
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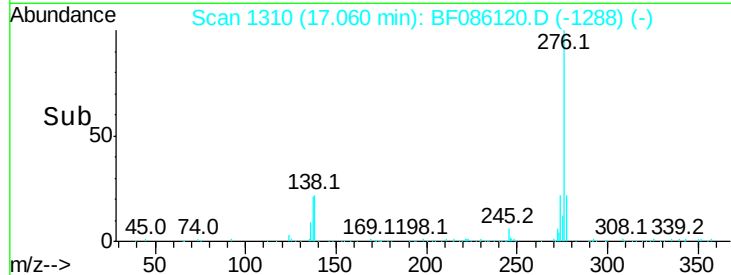
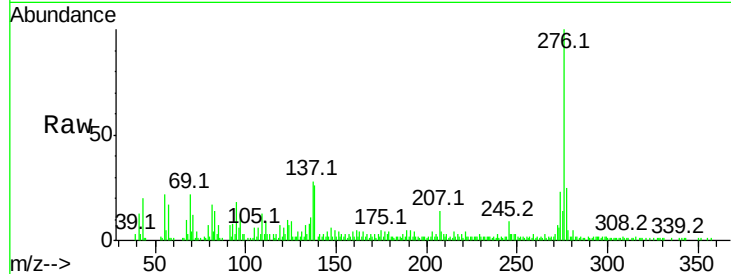
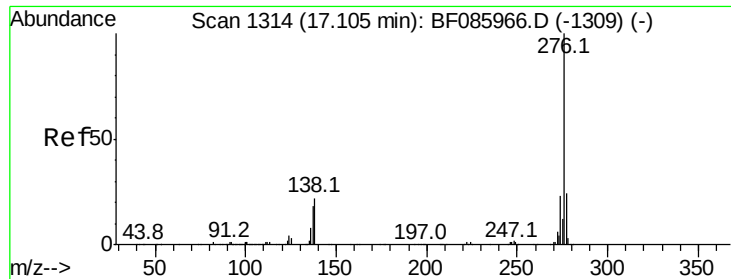
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#90
Dibenzo(a,h)anthracene
Concen: 2.94 ng
RT: 16.66 min Scan# 1275
Delta R.T. -0.05 min
Lab File: BF086120.D
Acq: 7 Apr 2016 1:47

Tgt Ion	Ratio	Lower	Upper
278	100		
139	31.1	14.4	21.6#
279	36.5	19.1	28.7#





#91
 Benzo(a,h,i)perylene
 Concen: 10.38 ng
 RT: 17.06 min Scan# 1310
 Delta R.T. -0.05 min
 Lab File: BF086120.D
 Acq: 7 Apr 2016 1:47

Instrument :
 BNA_F
 ClientSampleId :
 L-P-C-SOIL-PILE1

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.8	28.2
138	26.4	22.6	34.0

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