

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111218\
 Data File : BE098192.D
 Acq On : 12 Nov 2018 16:20
 Operator : SJ/JU
 Sample : J5807-13
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PT-BNA-Soil

Manual Integrations
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 11/13/2018 5:53:44 PM

Quant Time: Nov 13 09:30:30 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 12 13:32:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	3608	0.40	ng	0.01
7) Naphthalene-d8	10.68	136	5941	0.40	ng	0.01
13) Acenaphthene-d10	14.54	164	3710	0.40	ng	0.01
19) Phenanthrene-d10	17.29	188	8968	0.40	ng	0.01
27) Chrysene-d12	21.48	240	9437	0.40	ng	0.01
34) Perylene-d12	24.02	264	8752	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.46	112	497405	48.84	ng	0.00
5) Phenol-d6	7.06	99	843523	51.55	ng	0.02
8) Nitrobenzene-d5	9.03	82	618866	104.38	ng	0.01
11) 2-Methylnaphthalene-d10	12.27	152	16	0.00	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	344180	212.73	ng	0.01
15) 2-Fluorobiphenyl	13.16	172	1335399	85.95	ng	0.01
25) Fluoranthene-d10	19.36	212	119	0.00	ng	0.05
29) Terphenyl-d14	19.92	244	2103388	98.21	ng	0.01
Target Compounds						
6) bis(2-Chloroethyl)ether	7.30	93	222283	16.834	ng	Qvalue 97
9) Naphthalene	10.73	128	19970	0.331	ng	99
20) 4-Bromophenyl-phenylether	16.49	248	1442942	264.038	ng	90
21) Hexachlorobenzene	16.62	284	1942496	341.772	ng	94
22) Pentachlorophenol	16.95	266	1150992	908.829	ng	91
23) Phenanthrene	17.34	178	4602764	206.053	ng	97
24) Anthracene	17.42	178	9742m	0.468	ng	
26) Fluoranthene	19.34	202	1522	0.055	ng	97
28) Pyrene	19.73	202	7020467	270.336	ng	94
30) Benzo(a)anthracene	21.46	228	2694804	100.499	ng	97
32) Bis(2-ethylhexyl)phthalate	21.38	149	18089929	324.837	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.82	276	7098827	284.272	ng	# 93
36) Benzo(k)fluoranthene	23.32	252	6565656	250.609	ng	# 98
38) Dibenzo(a,h)anthracene	26.82	278	3153761	155.479	ng	# 87

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

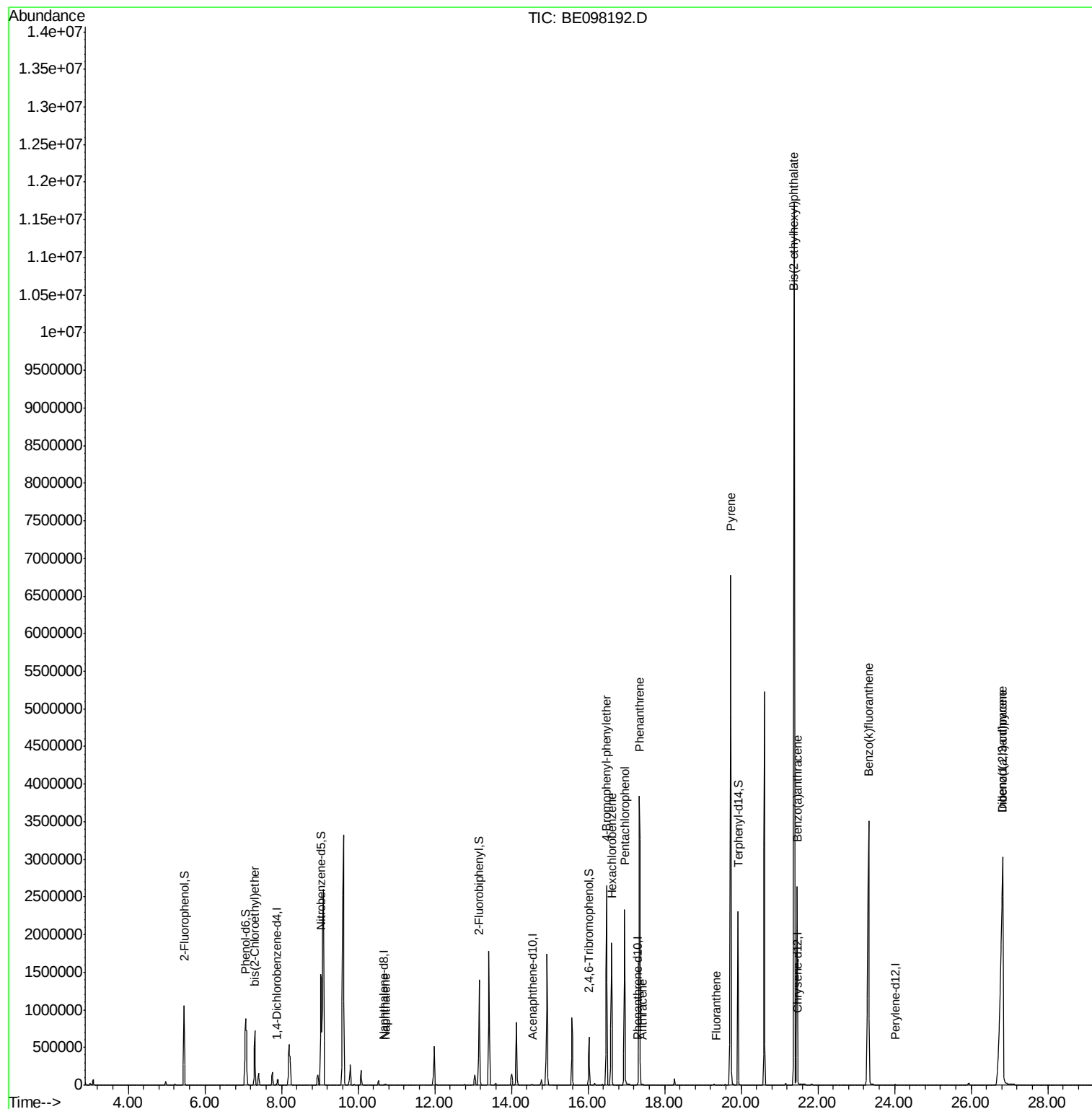
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111218\
Data File : BE098192.D
Acq On : 12 Nov 2018 16:20
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Sample : J5807-13
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ALS Vial : 11 Sample Multiplier: 1

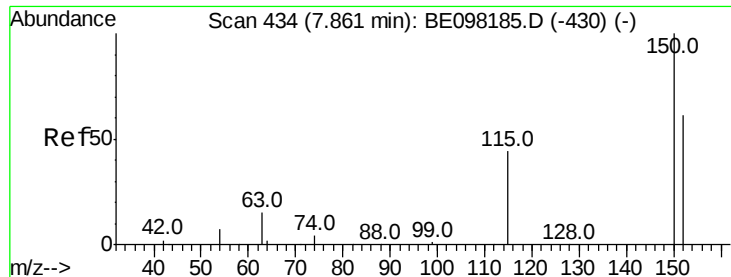
Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

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Quant Time: Nov 13 09:30:30 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 12 13:32:15 2018
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#1

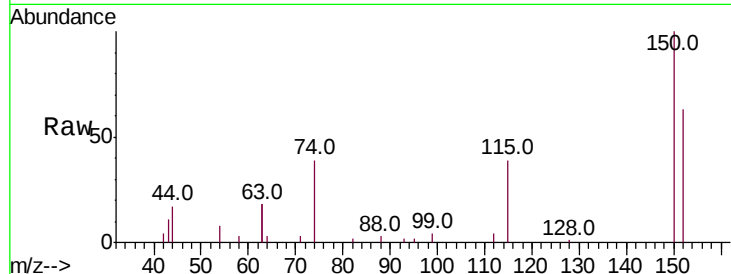
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.88 min Scan# 435
Delta R.T. 0.01 min
Lab File: BE098192.D
Acq: 12 Nov 2018 16:20

Instrument :
BNA_E
ClientSampled :
PT-BNA-Soil

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	127.5	191.3
115	62.1	60.3	90.5

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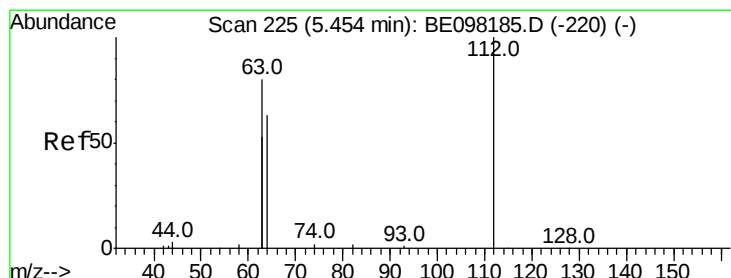
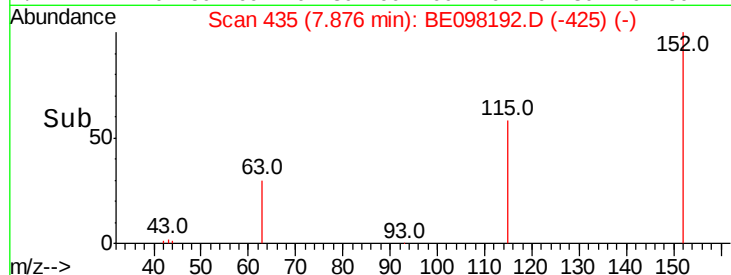
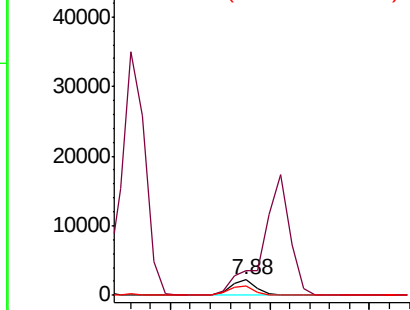


Abundance

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



#4

2-Fluorophenol
Concen: 48.835 ng
RT: 5.46 min Scan# 225
Delta R.T. 0.00 min
Lab File: BE098192.D
Acq: 12 Nov 2018 16:20

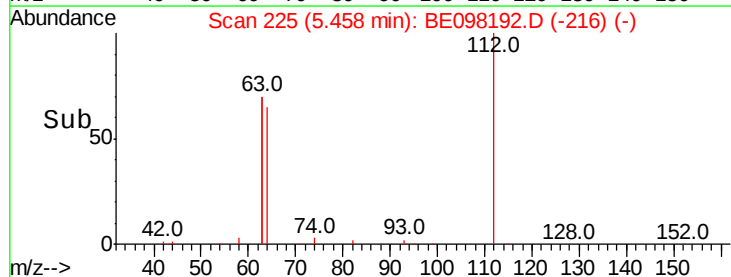
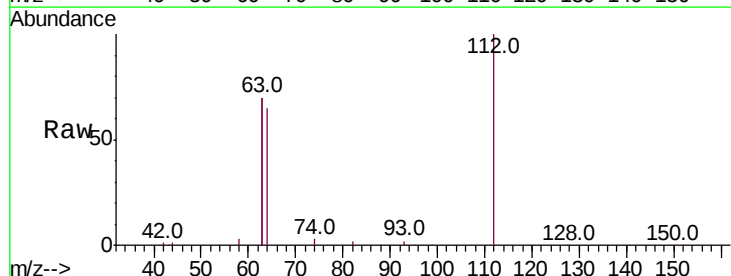
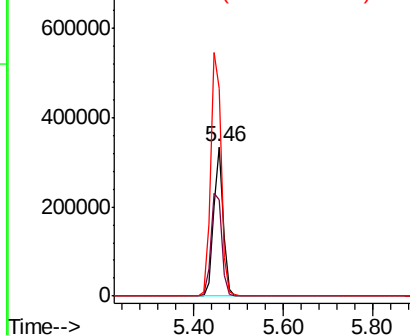
Tgt Ion	Ratio	Lower	Upper
112	100		
64	78.7	61.7	92.5
63	179.2	136.2	204.2

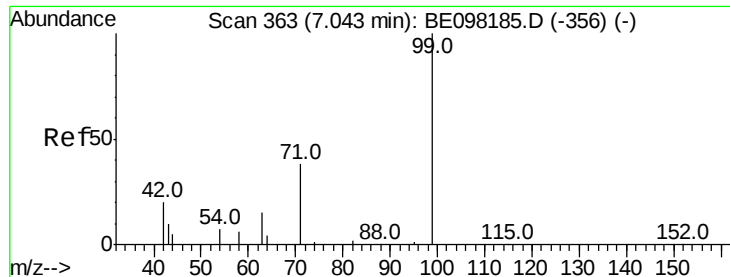
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 51.548 ng

RT: 7.06 min Scan# 364

Delta R.T. 0.02 min

Lab File: BE098192.D

Acq: 12 Nov 2018 16:20

Instrument :

BNA_E

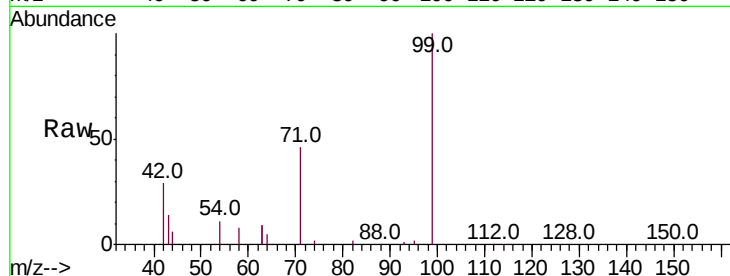
ClientSampleId :

PT-BNA-Soil

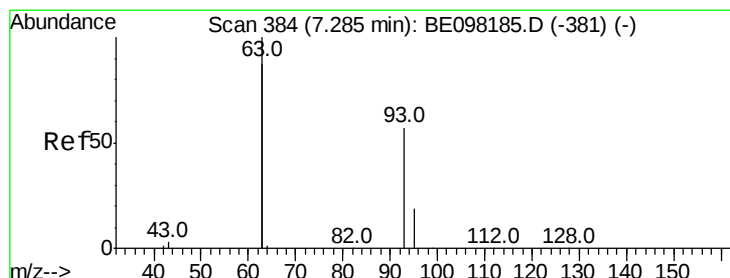
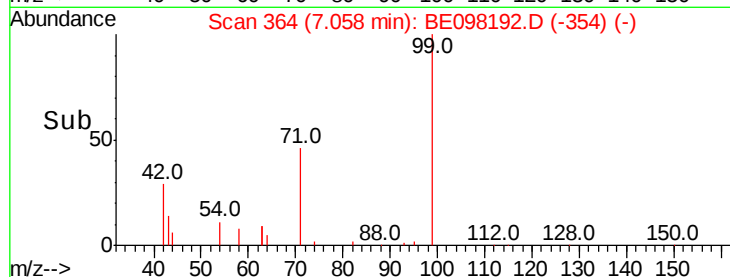
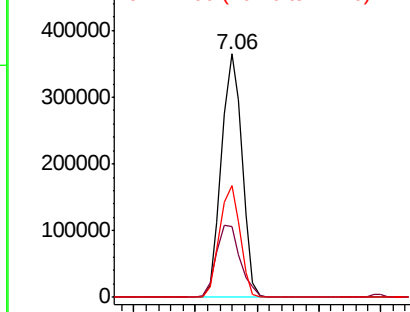
Tot Ion:	99	Resp:	843523
Ion	Ratio	Lower	Upper
99	100		
42	34.2	27.1	40.7
71	45.5	37.0	55.6

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Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

bis(2-Chloroethyl)ether

Concen: 16.834 ng

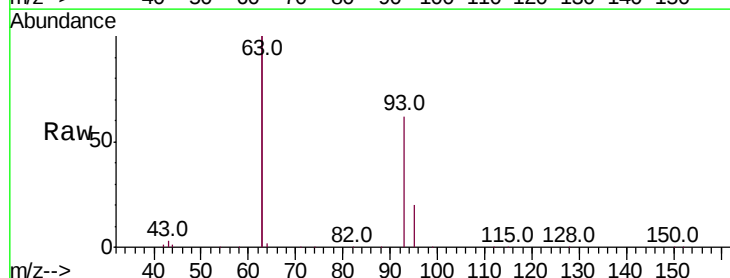
RT: 7.30 min Scan# 385

Delta R.T. 0.02 min

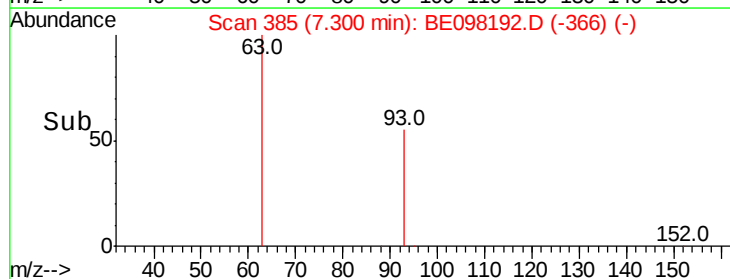
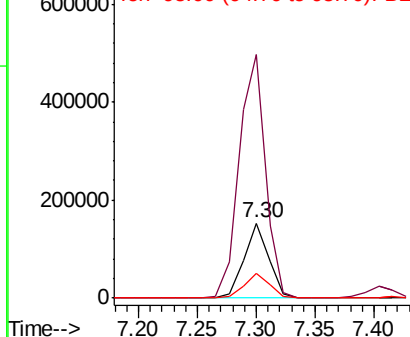
Lab File: BE098192.D

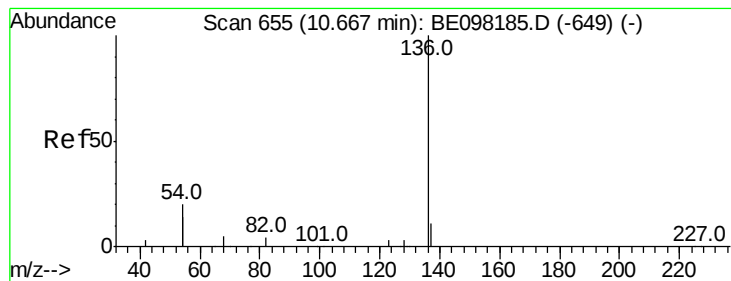
Acq: 12 Nov 2018 16:20

Tgt Ion:	93	Resp:	222283
Ion	Ratio	Lower	Upper
93	100		
63	347.7	272.6	409.0
95	32.5	27.1	40.7



Abundance Ion 93.00 (92.70 to 93.70): BE0
Ion 63.00 (62.70 to 63.70): BE0
Ion 95.00 (94.70 to 95.70): BE0





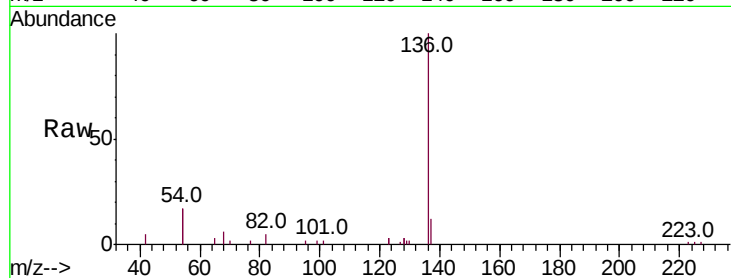
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.68 min Scan# 655
Delta R.T. 0.01 min
Lab File: BE098192.D
Acq: 12 Nov 2018 16:20

Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

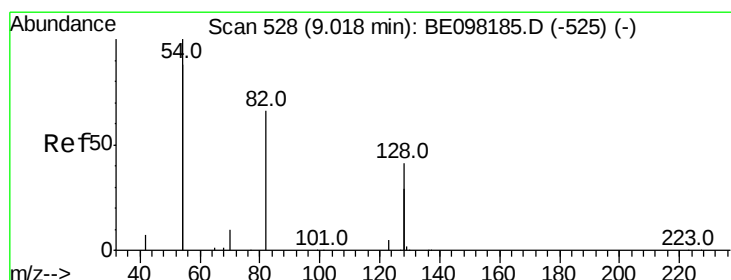
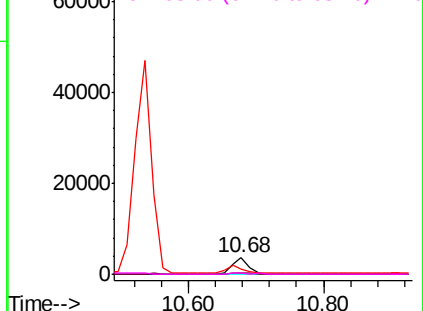
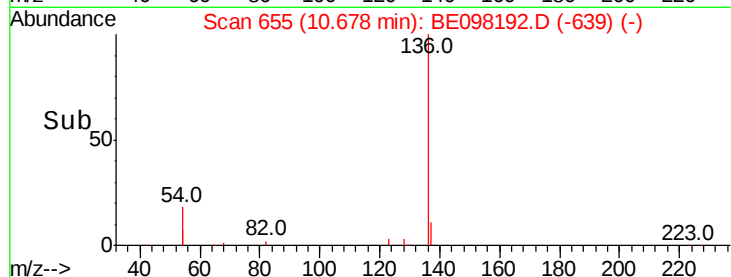
Tot Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.5	14.3
54	34.6	31.3	46.9
68	6.2	4.8	7.2

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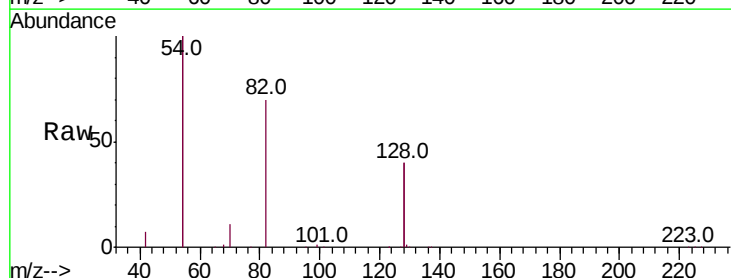


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0

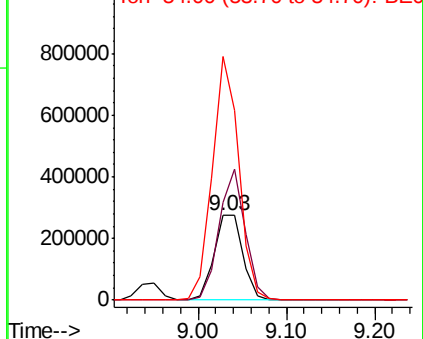
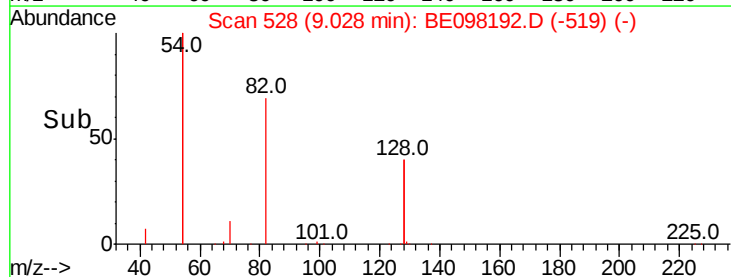


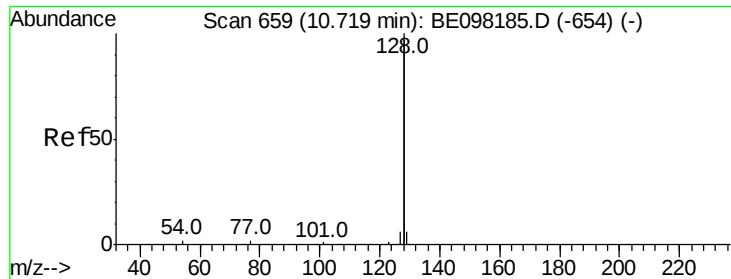
#8
Nitrobenzene-d5
Concen: 104.382 ng
RT: 9.03 min Scan# 528
Delta R.T. 0.01 min
Lab File: BE098192.D
Acq: 12 Nov 2018 16:20

Tgt Ion	Ratio	Lower	Upper
82	100		
128	115.9	96.1	144.1
54	287.0	232.0	348.0



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0





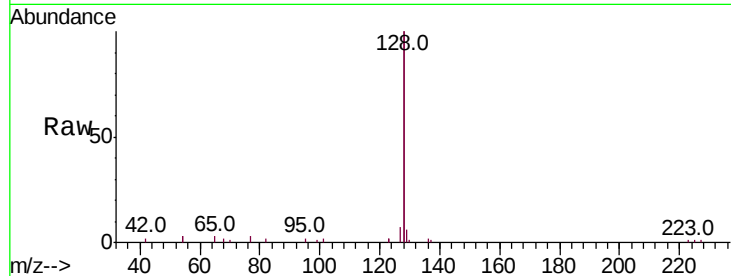
#9
Naphthalene
Concen: 0.331 ng
RT: 10.73 min Scan# 659
Delta R.T. 0.01 min
Lab File: BE098192.D
Acq: 12 Nov 2018 16:20

Instrument :
BNA_E
ClientSampled :
PT-BNA-Soil

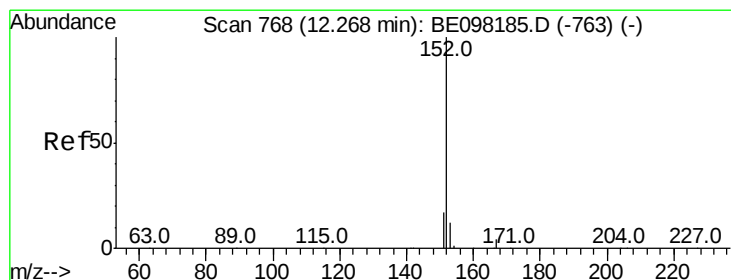
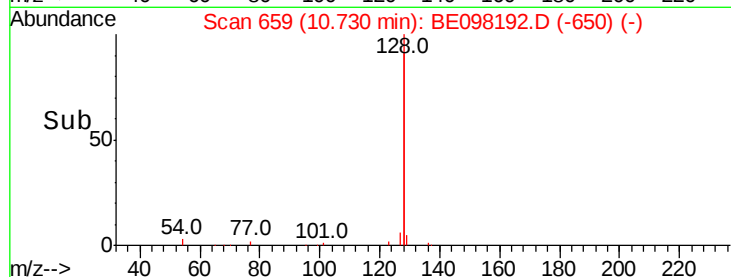
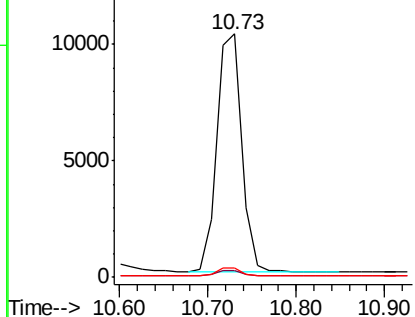
Tot Ion	Ratio	Lower	Upper
128	100		
129	3.1	2.6	4.0
127	3.7	2.8	4.2

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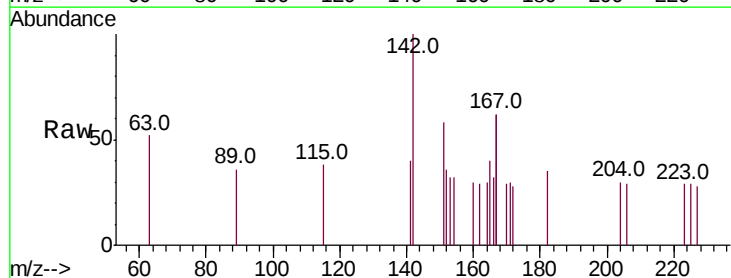


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

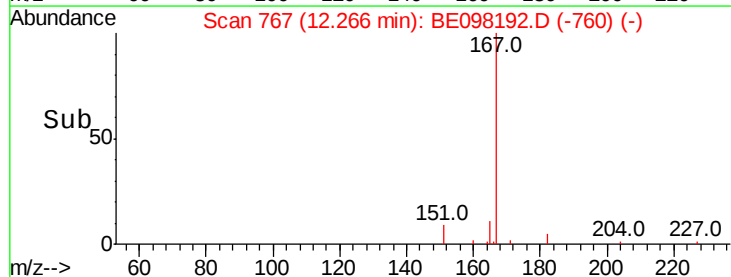
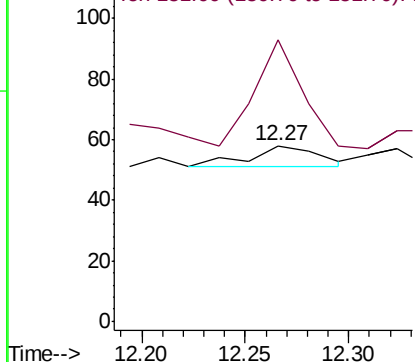


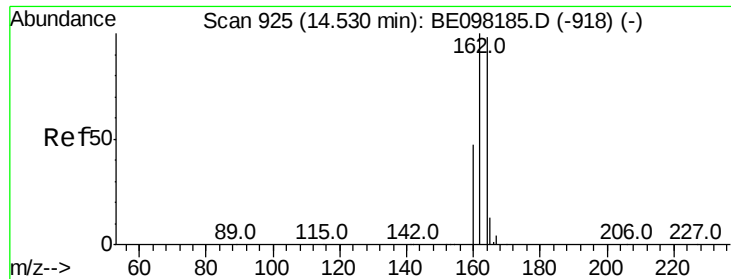
#11
2-Methylnaphthalene-d10
Concen: 0.002 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE098192.D
Acq: 12 Nov 2018 16:20

Tgt Ion	Ratio	Lower	Upper
152	100		
151	362.5	15.4	23.2#



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





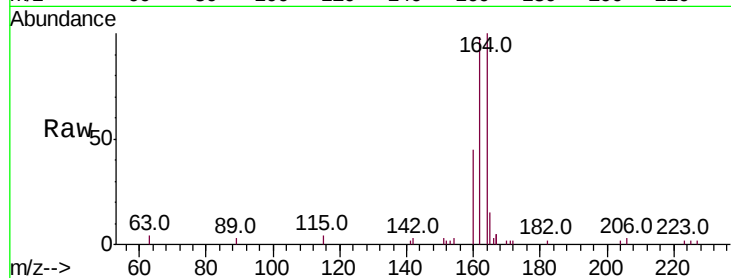
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: BE098192.D
Acq: 12 Nov 2018 16:20

Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

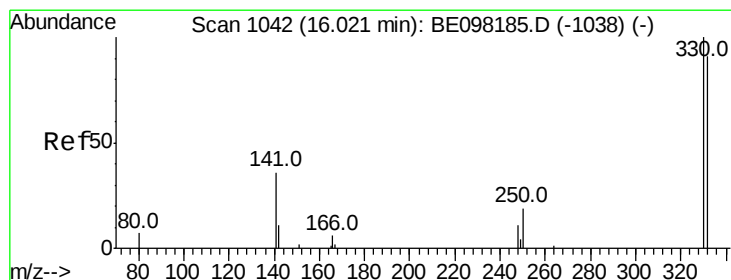
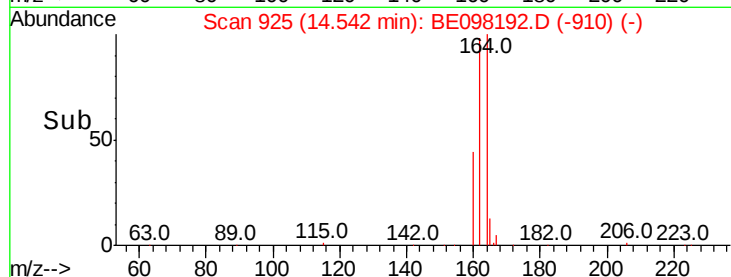
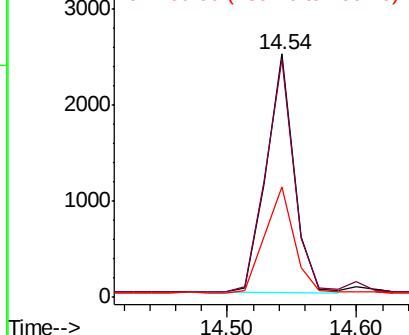
Tot Ion	Ratio	Lower	Upper
164	100		
162	97.7	81.8	122.6
160	45.3	39.4	59.0

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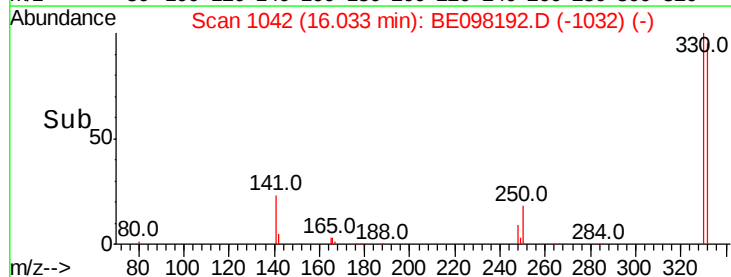
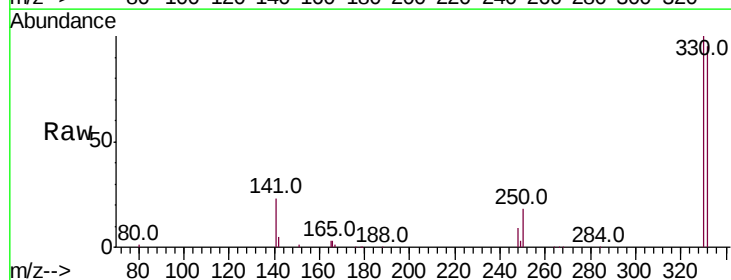
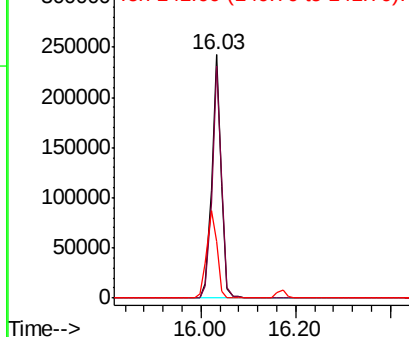
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

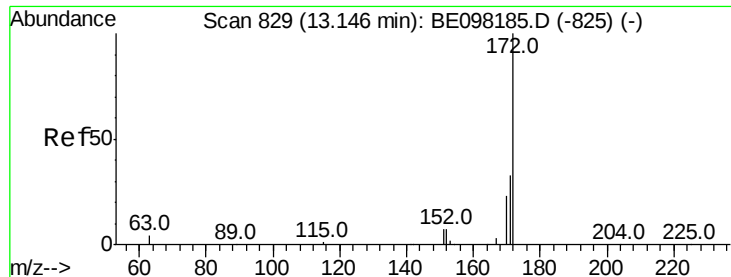


#14
2,4,6-Tribromophenol
Concen: 212.730 ng
RT: 16.03 min Scan# 1042
Delta R.T. 0.01 min
Lab File: BE098192.D
Acq: 12 Nov 2018 16:20

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.7	116.5
141	38.7	33.6	50.4

Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





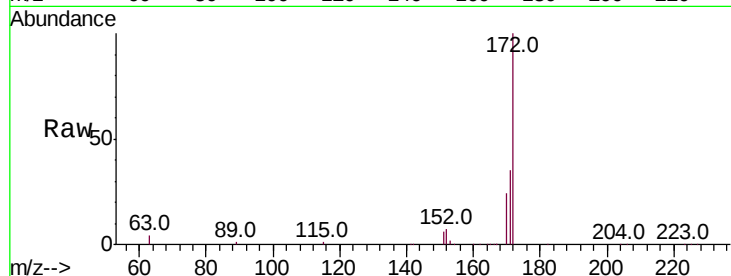
#15
2-Fluorobiphenyl
Concen: 85.953 ng
RT: 13.16 min Scan# 829
Delta R.T. 0.01 min
Lab File: BE098192.D
Acq: 12 Nov 2018 16:20

Instrument :
BNA_E
ClientSampled :
PT-BNA-Soil

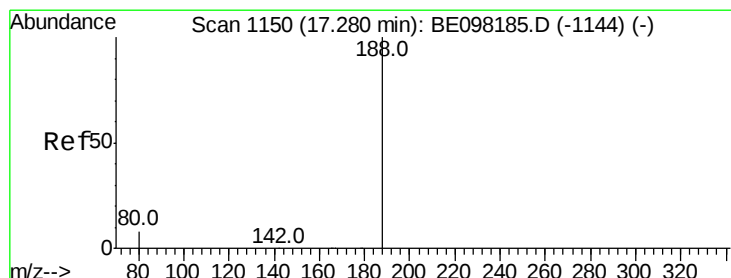
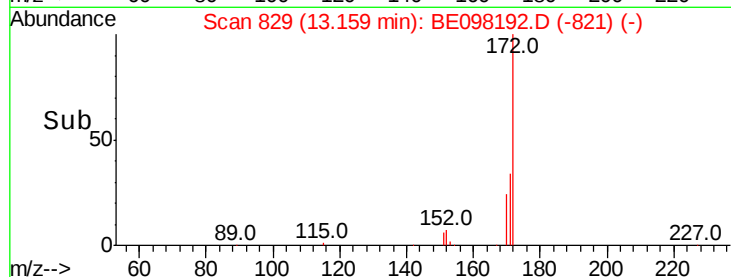
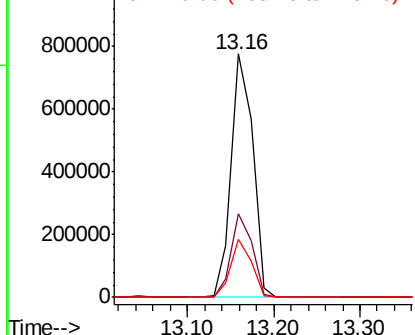
Tot Ion:172 Resp: 1335399
Ion Ratio Lower Upper
172 100
171 34.6 27.3 40.9
170 23.9 19.4 29.0

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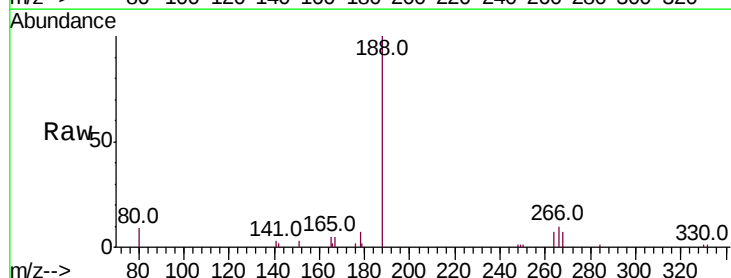


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

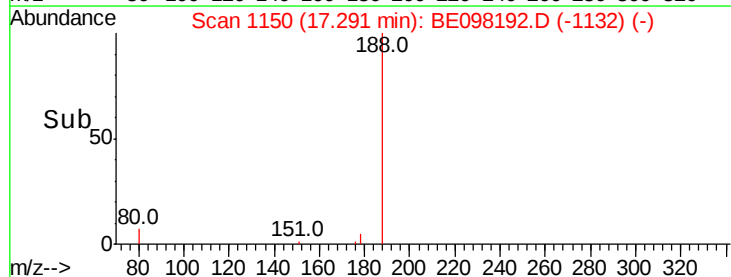
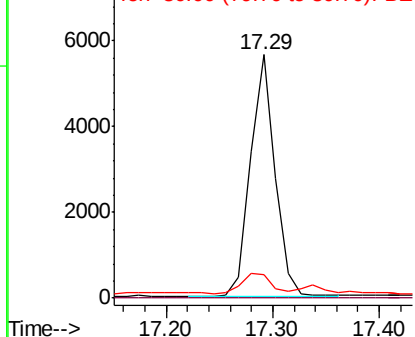


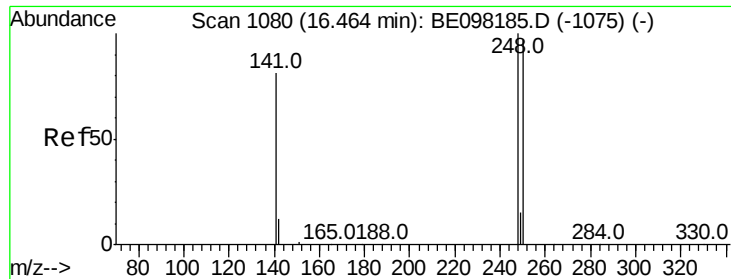
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.29 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BE098192.D
Acq: 12 Nov 2018 16:20

Tgt Ion:188 Resp: 8968
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.5 6.7 10.1



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0





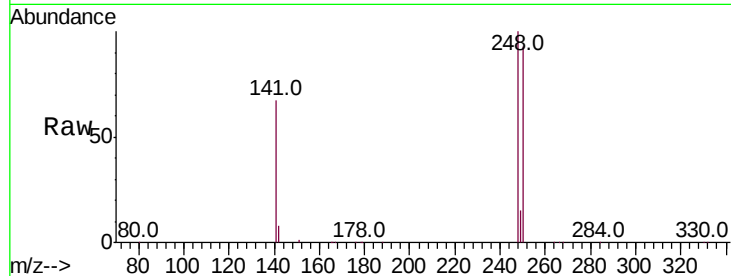
#20
4-Bromophenyl-phenylether
Concen: 264.038 ng
RT: 16.49 min Scan# 1081
Delta R.T. 0.02 min
Lab File: BE098192.D
Acq: 12 Nov 2018 16:20

Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

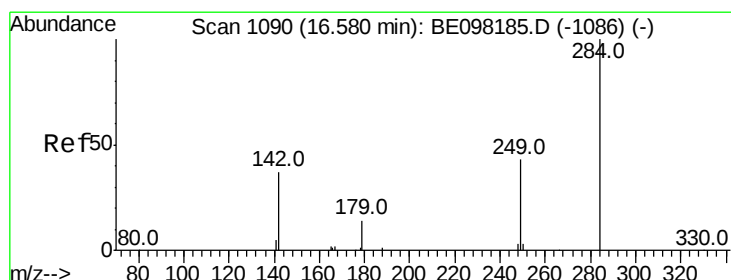
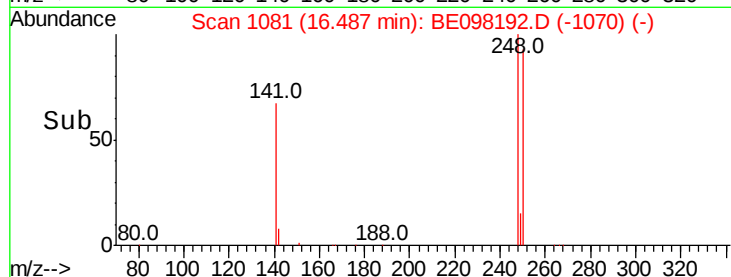
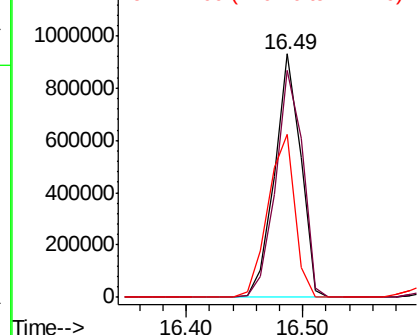
Tot Ion:248 Resp: 1442942
Ion Ratio Lower Upper
248 100
250 93.1 77.6 116.4
141 66.7 65.8 98.8

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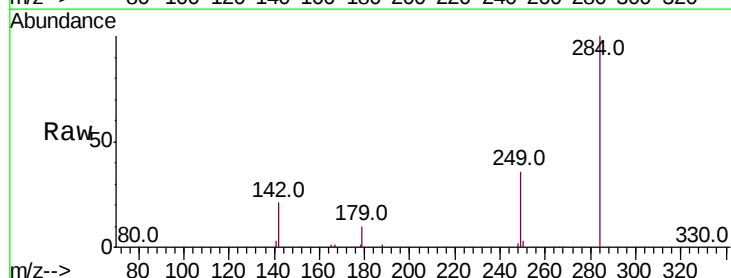


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

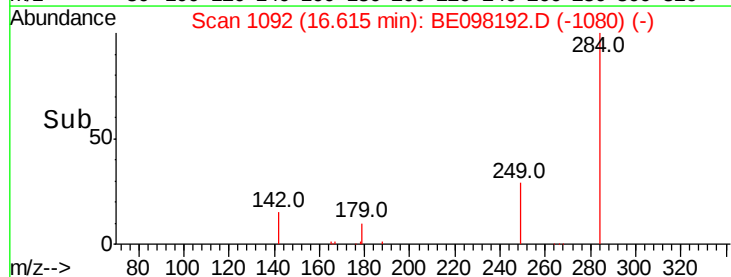
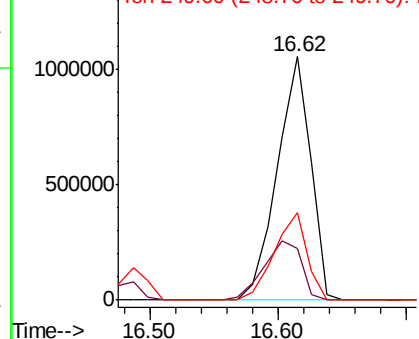


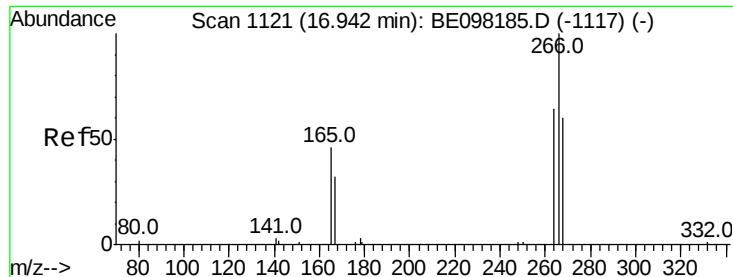
#21
Hexachlorobenzene
Concen: 341.772 ng
RT: 16.62 min Scan# 1092
Delta R.T. 0.03 min
Lab File: BE098192.D
Acq: 12 Nov 2018 16:20

Tgt Ion:284 Resp: 1942496
Ion Ratio Lower Upper
284 100
142 27.1 26.5 39.7
249 34.9 28.4 42.6



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





#22

Pentachlorophenol

Concen: 908.829 ng

RT: 16.95 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE098192.D

Acq: 12 Nov 2018 16:20

Instrument :

BNA_E

ClientSampleId :

PT-BNA-Soil

Tot Ion:266 Resp: 1150992

Ion Ratio Lower Upper

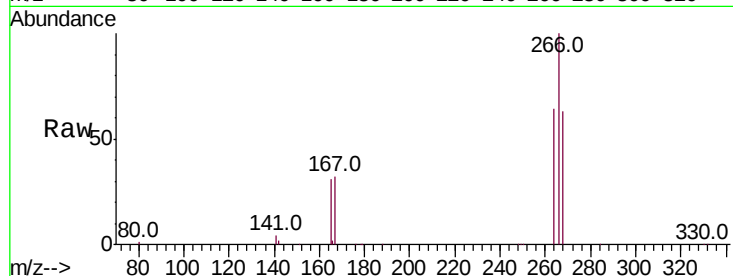
266 100

264 64.4 57.6 86.4

268 63.4 56.8 85.2

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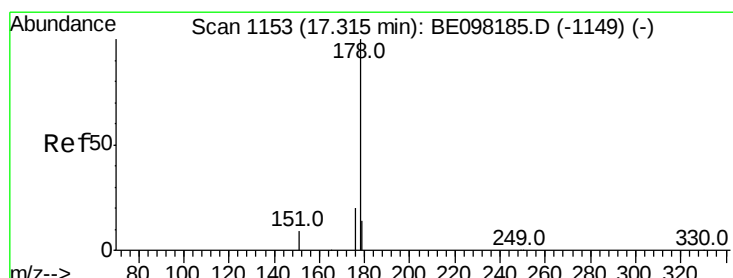
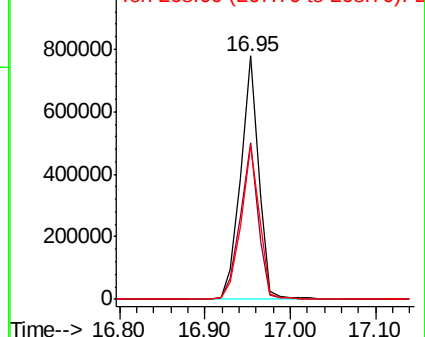
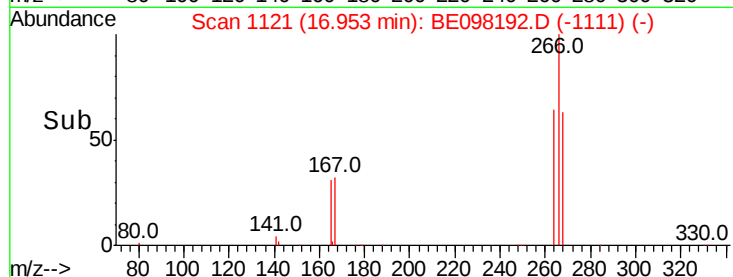


Abundance

Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#23

Phenanthrene

Concen: 206.053 ng

RT: 17.34 min Scan# 1154

Delta R.T. 0.02 min

Lab File: BE098192.D

Acq: 12 Nov 2018 16:20

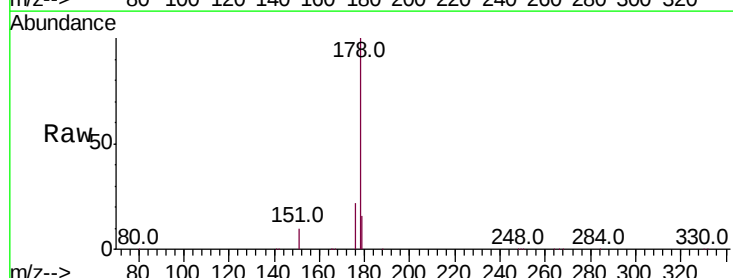
Tgt Ion:178 Resp: 4602764

Ion Ratio Lower Upper

178 100

176 21.2 15.8 23.8

179 16.4 12.3 18.5

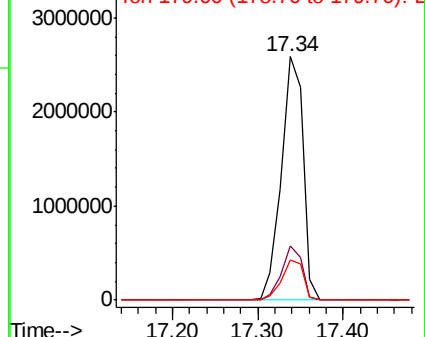
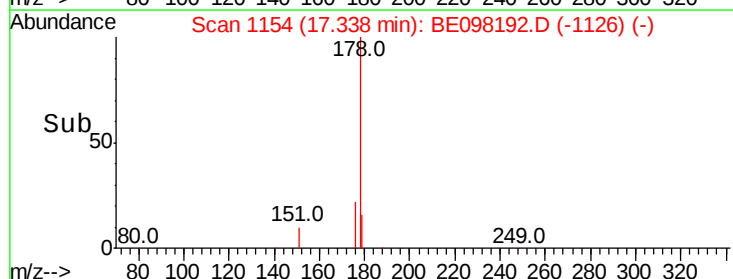


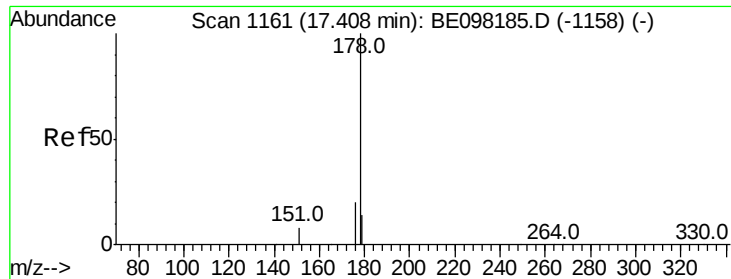
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





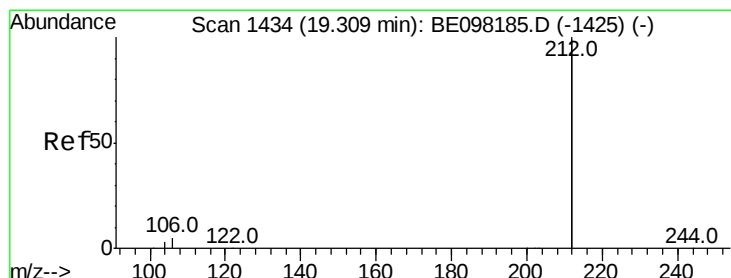
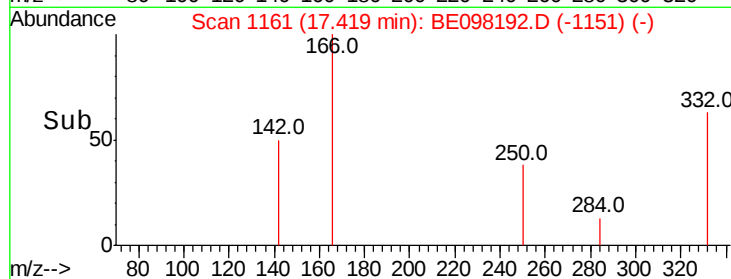
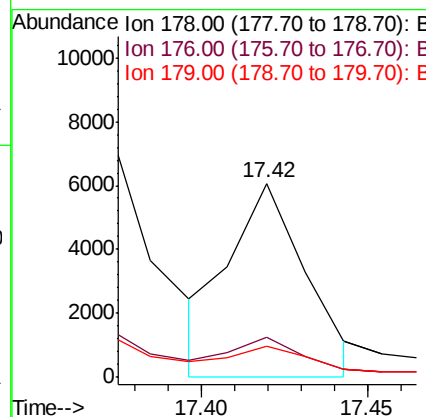
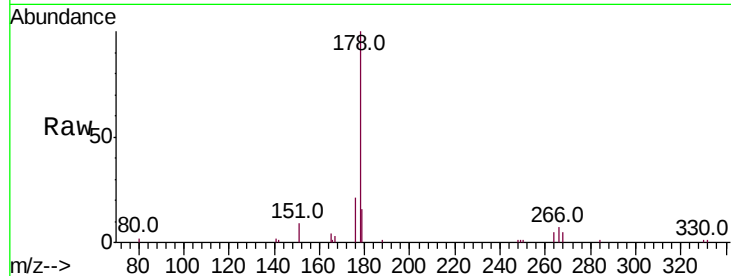
#24
 Anthracene
 Concen: 0.468 ng m
 RT: 17.42 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: BE098192.D
 Acq: 12 Nov 2018 16:20

Instrument :
 BNA_E
 ClientSampleId :
 PT-BNA-Soil

Tot Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.7	23.5#
179	0.0	12.1	18.1#

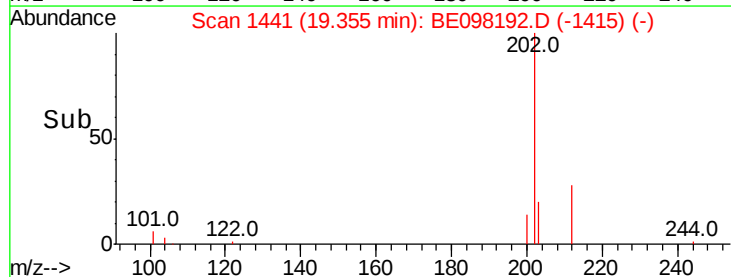
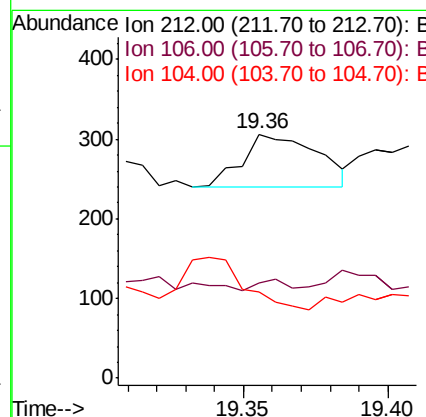
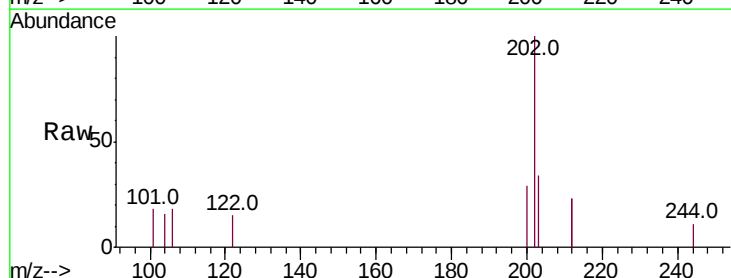
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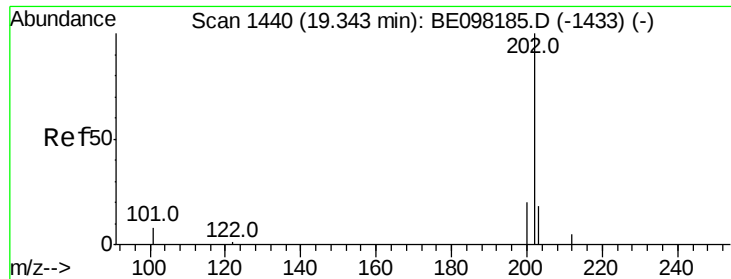
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#25
 Fluoranthene-d10
 Concen: 0.001 ng
 RT: 19.36 min Scan# 1441
 Delta R.T. 0.05 min
 Lab File: BE098192.D
 Acq: 12 Nov 2018 16:20

Tgt Ion	Ratio	Lower	Upper
212	100		
106	0.0	1.8	2.8#
104	0.0	1.1	1.7#





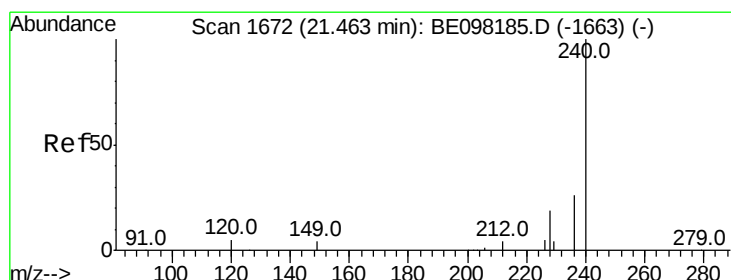
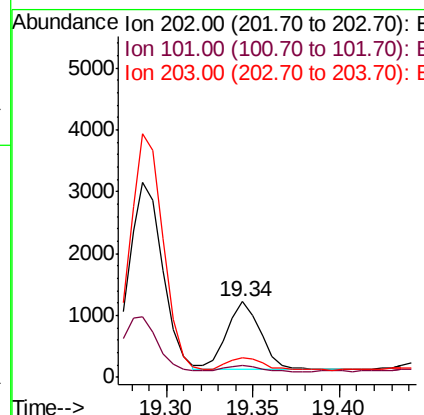
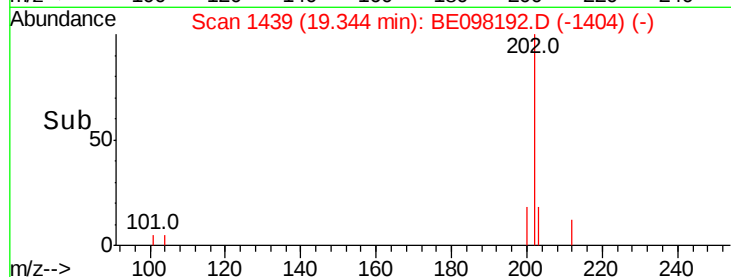
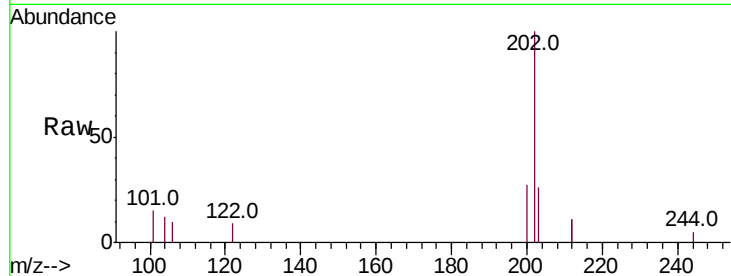
#26
Fluoranthene
Concen: 0.055 ng
RT: 19.34 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BE098192.D
Acq: 12 Nov 2018 16:20

Instrument :
BNA_E
ClientSampled :
PT-BNA-Soil

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1522		
101	9.5		7.0	10.6
203	18.7		13.7	20.5

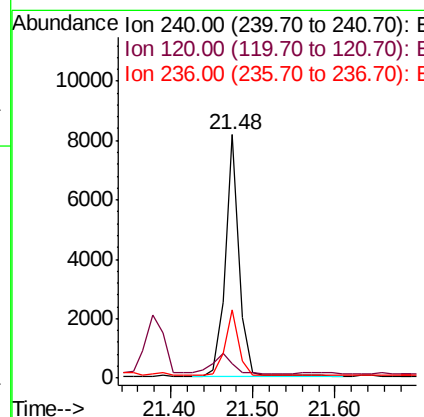
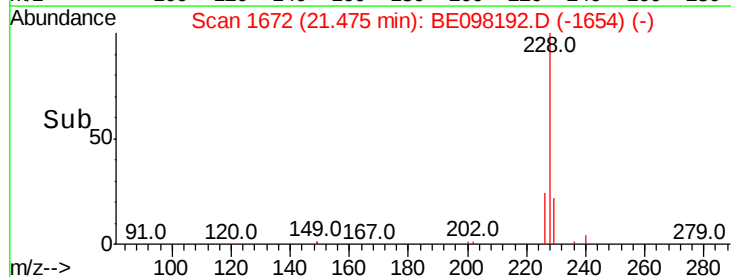
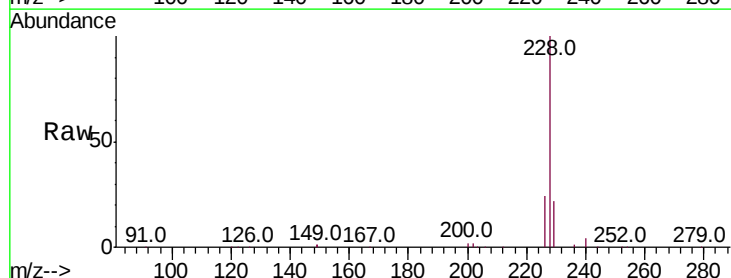
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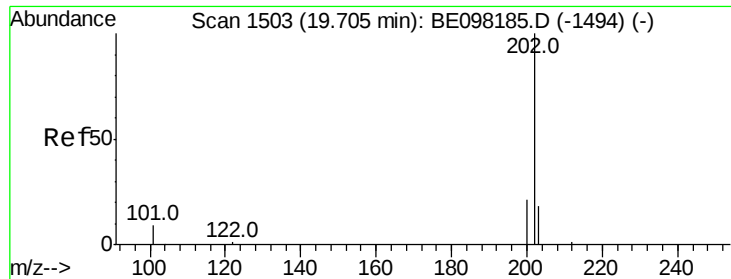
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.48 min Scan# 1672
Delta R.T. 0.01 min
Lab File: BE098192.D
Acq: 12 Nov 2018 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	9437		
120	6.0		4.8	7.2
236	28.0		21.4	32.0





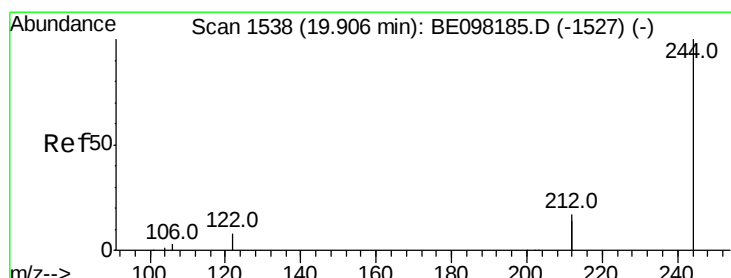
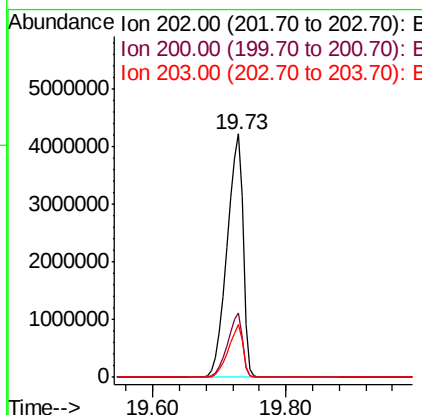
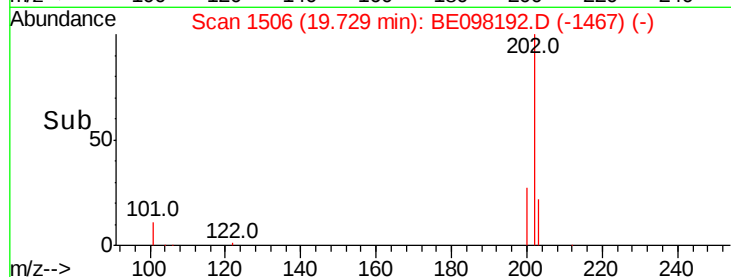
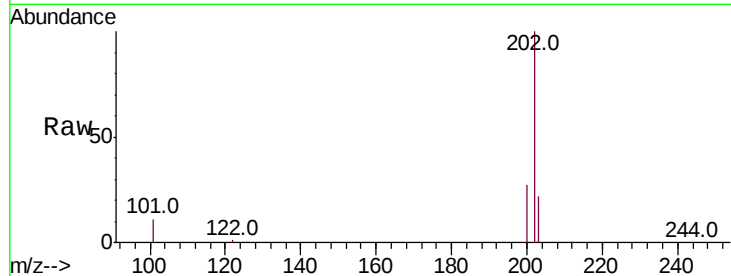
#28
Pvrene
Concen: 270.336 ng
RT: 19.73 min Scan# 1506
Delta R.T. 0.02 min
Lab File: BE098192.D
Acq: 12 Nov 2018 16:20

Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

Tot Ion:202 Resp: 7020467
Ion Ratio Lower Upper
202 100
200 24.6 17.2 25.8
203 19.9 14.2 21.4

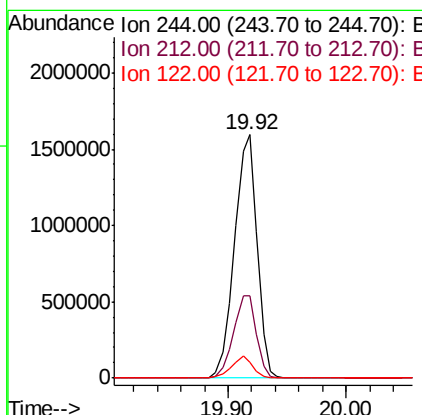
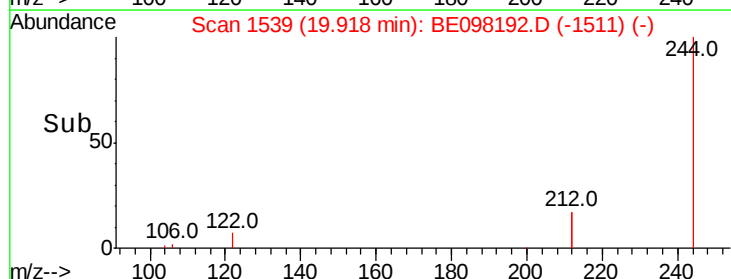
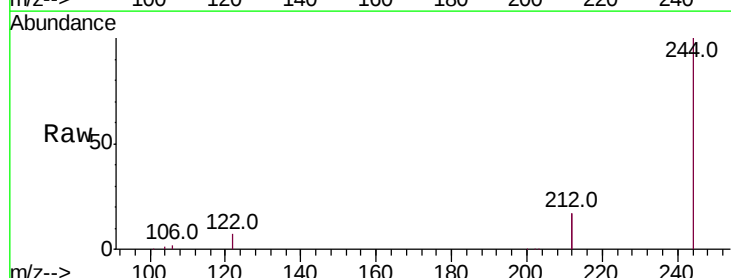
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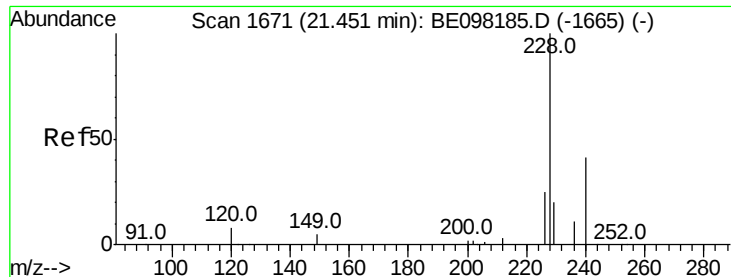
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#29
Terphenyl-d14
Concen: 98.210 ng
RT: 19.92 min Scan# 1539
Delta R.T. 0.01 min
Lab File: BE098192.D
Acq: 12 Nov 2018 16:20

Tgt Ion:244 Resp: 2103388
Ion Ratio Lower Upper
244 100
212 34.1 26.8 40.2
122 6.7 7.0 10.6#





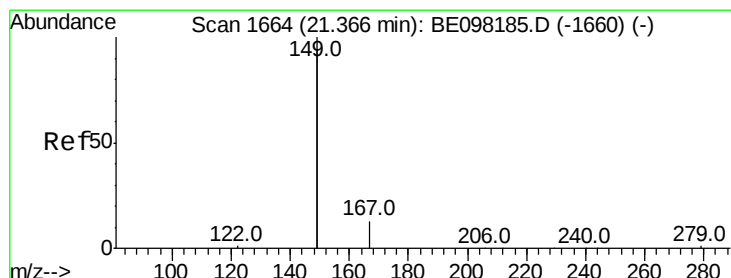
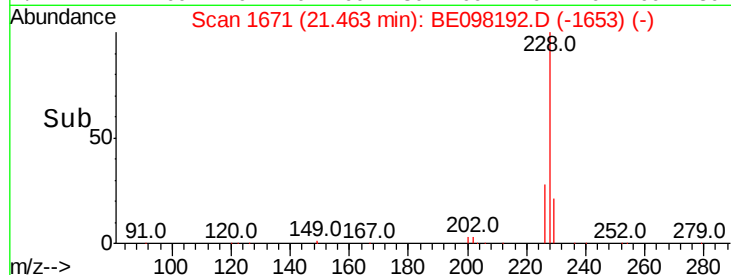
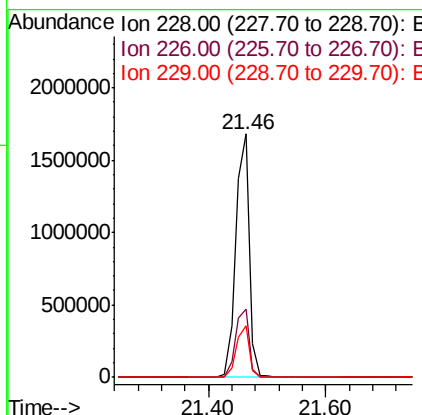
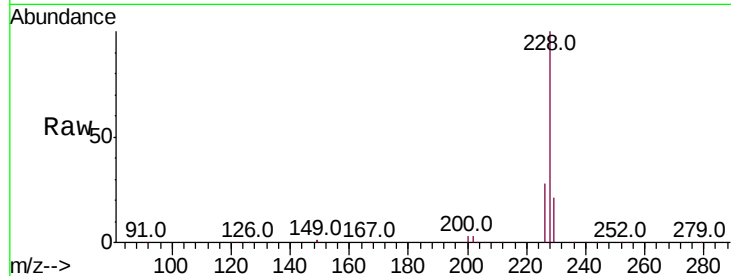
#30
Benzo(a)anthracene
Concen: 100.499 ng
RT: 21.46 min Scan# 1671
Delta R.T. 0.01 min
Lab File: BE098192.D
Acq: 12 Nov 2018 16:20

Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

Tot Ion:228 Resp: 2694804
Ion Ratio Lower Upper
228 100
226 27.9 20.7 31.1
229 21.1 16.2 24.4

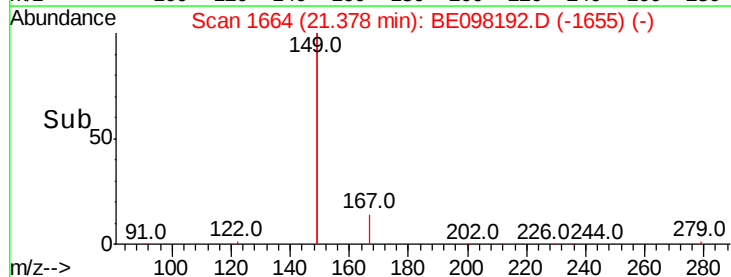
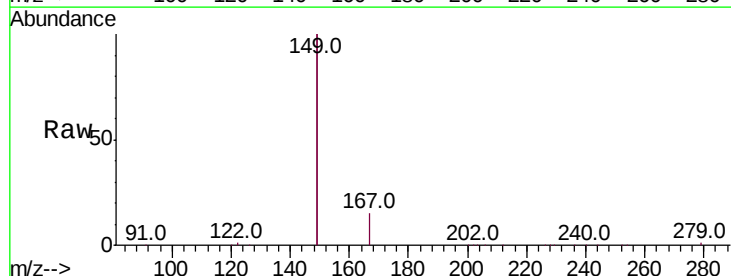
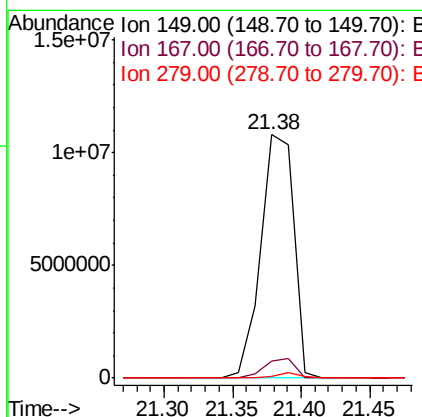
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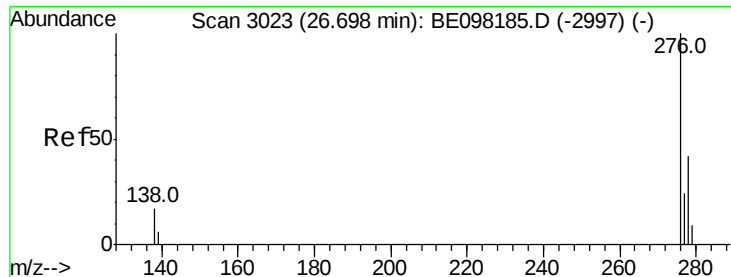
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#32
Bis(2-ethylhexyl)phthalate
Concen: 324.837 ng
RT: 21.38 min Scan# 1664
Delta R.T. 0.01 min
Lab File: BE098192.D
Acq: 12 Nov 2018 16:20

Tgt Ion:149 Resp:18089929
Ion Ratio Lower Upper
149 100
167 7.6 5.6 8.4
279 1.5 0.9 1.3#





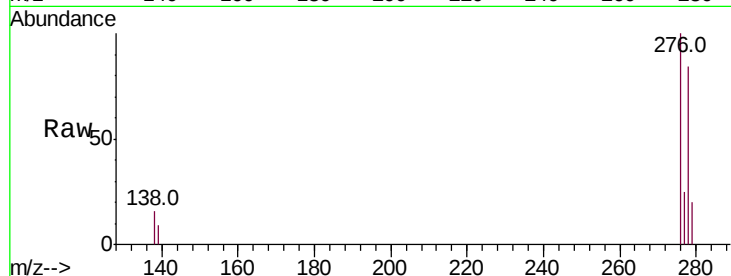
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 284.272 ng
 RT: 26.82 min Scan# 3056
 Delta R.T. 0.12 min
 Lab File: BE098192.D
 Acq: 12 Nov 2018 16:20

Instrument :
 BNA_E
 ClientSampleId :
 PT-BNA-Soil

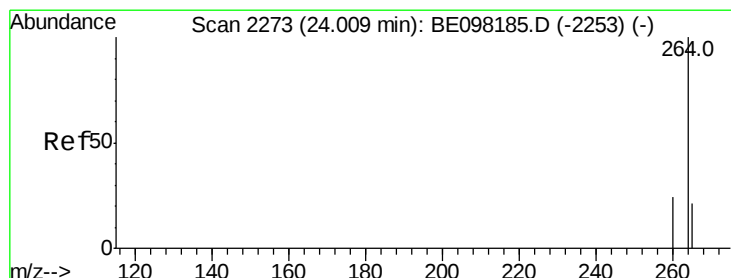
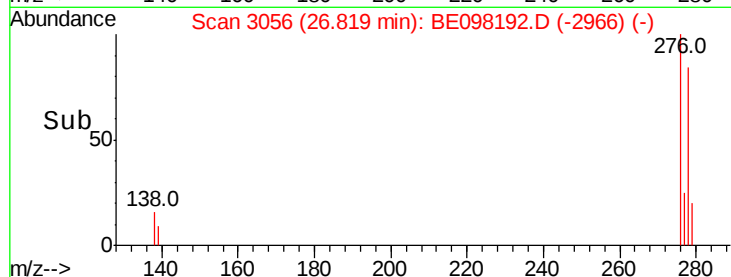
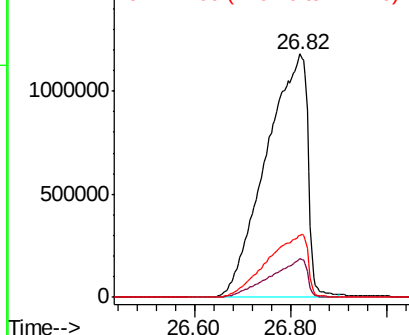
Tot Ion:276 Resp: 7098827
 Ion Ratio Lower Upper
 276 100
 138 14.1 6.4 9.6#
 277 25.2 18.9 28.3

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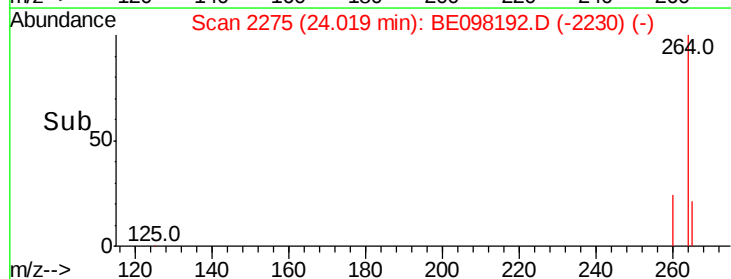
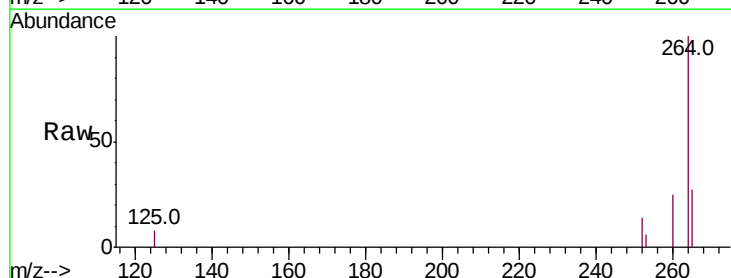
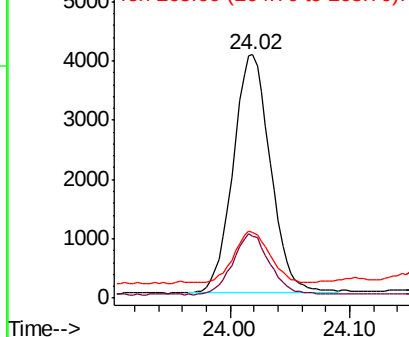
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

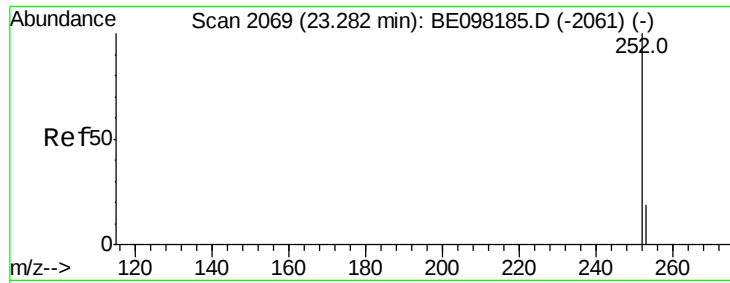


#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 24.02 min Scan# 2275
 Delta R.T. 0.01 min
 Lab File: BE098192.D
 Acq: 12 Nov 2018 16:20

Tgt Ion:264 Resp: 8752
 Ion Ratio Lower Upper
 264 100
 260 25.4 19.9 29.9
 265 26.9 21.3 31.9

Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





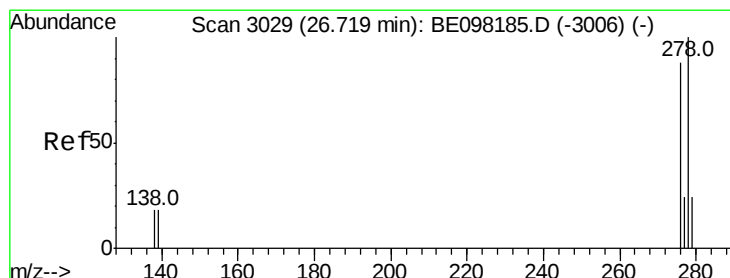
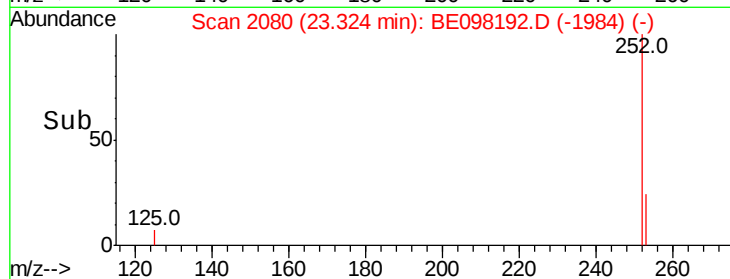
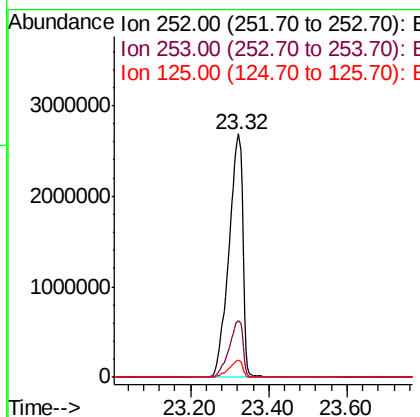
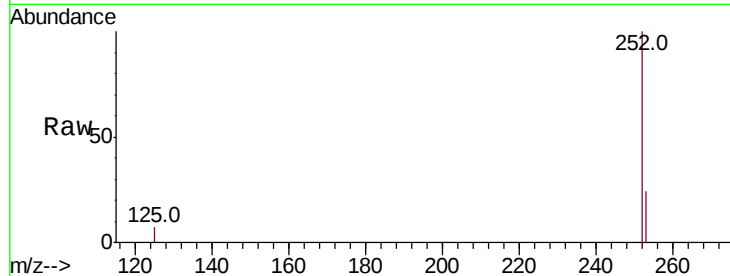
#36
Benzo(k)fluoranthene
Concen: 250.609 ng
RT: 23.32 min Scan# 2080
Delta R.T. 0.04 min
Lab File: BE098192.D
Acq: 12 Nov 2018 16:20

Instrument :
BNA_E
ClientSampleId :
PT-BNA-Soil

Tot Ion:252 Resp: 6565656
Ion Ratio Lower Upper
252 100
253 23.5 18.6 28.0
125 7.0 7.4 11.0#

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#38
Dibenzo(a,h)anthracene
Concen: 155.479 ng
RT: 26.82 min Scan# 3057
Delta R.T. 0.10 min
Lab File: BE098192.D
Acq: 12 Nov 2018 16:20

Tgt Ion:278 Resp: 3153761
Ion Ratio Lower Upper
278 100
139 9.9 16.4 24.6#
279 24.1 21.3 31.9

