

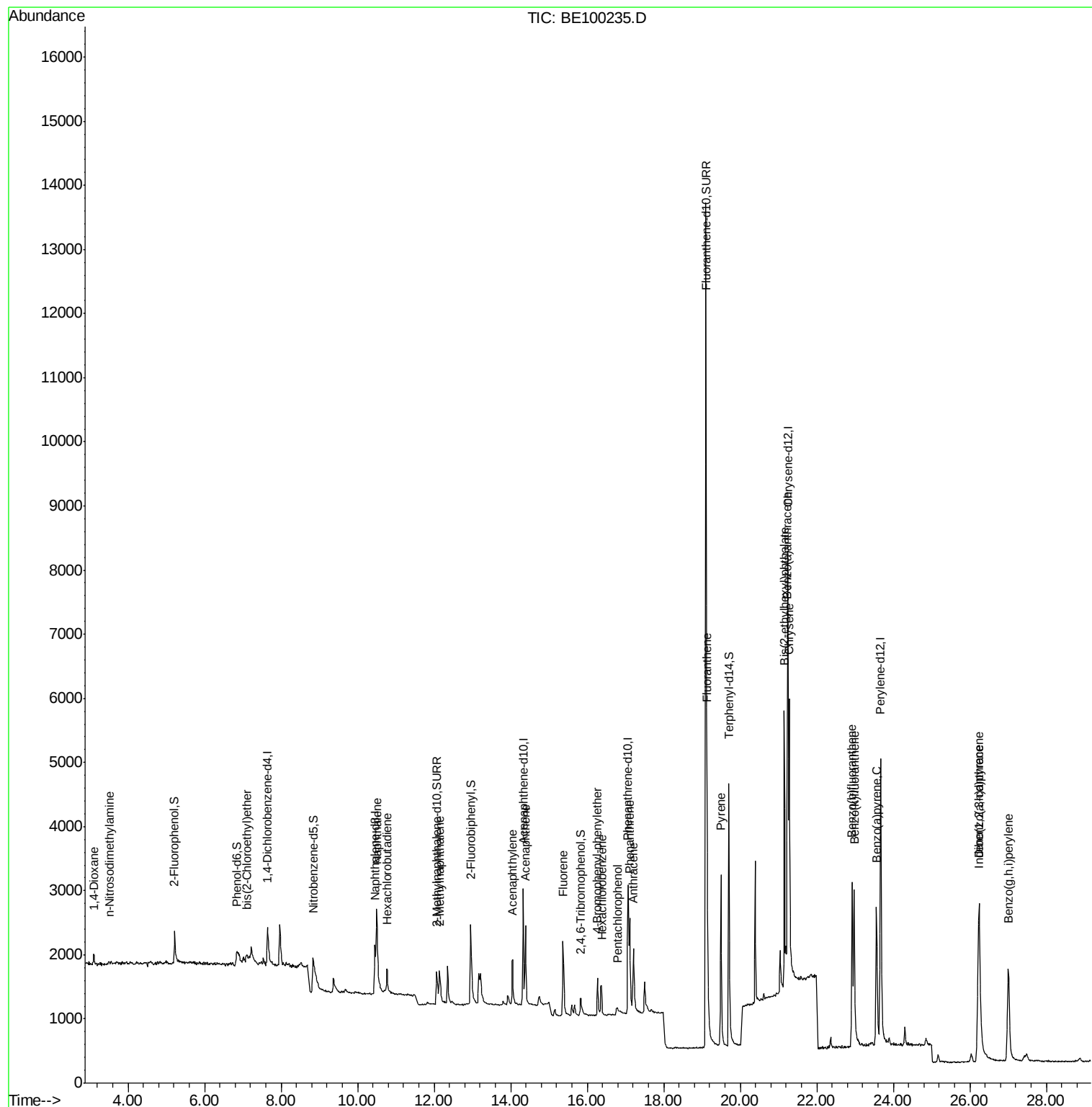
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
Data File : BE100235.D
Acq On : 28 Jun 2019 15:23
Operator : JU/SJ
Sample : K2241-02
Misc : L00-S-0.2PPM
ALS Vial : 11 Sample Multiplier: 1

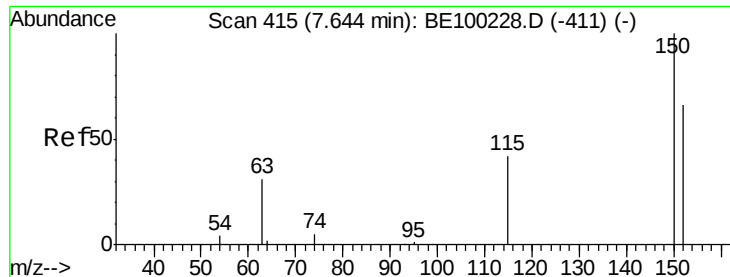
Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2019

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Quant Time: Jun 29 00:22:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
Response via : Initial Calibration





#1

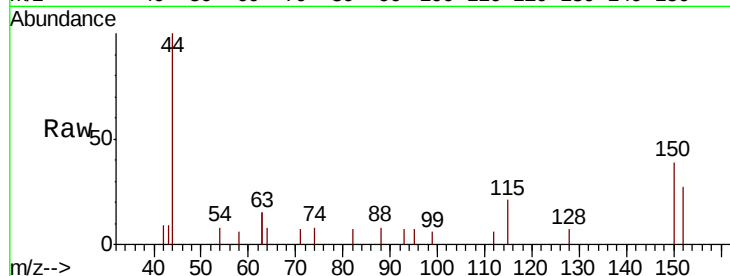
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2019

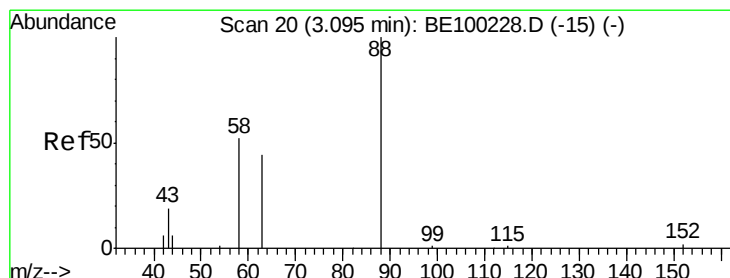
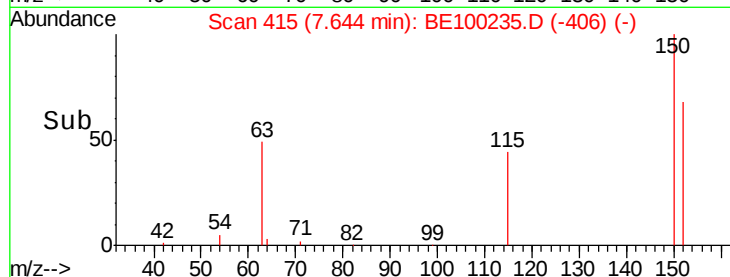
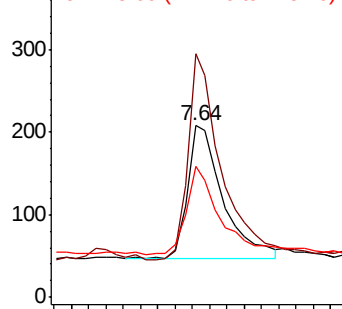
Tot Ion	Ratio	Lower	Upper
152	100		
150	141.8	114.5	171.7
115	76.4	57.1	85.7

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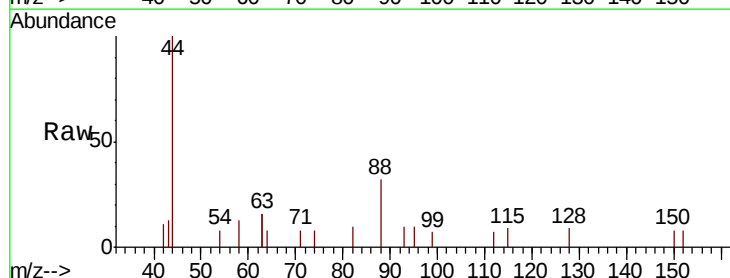
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



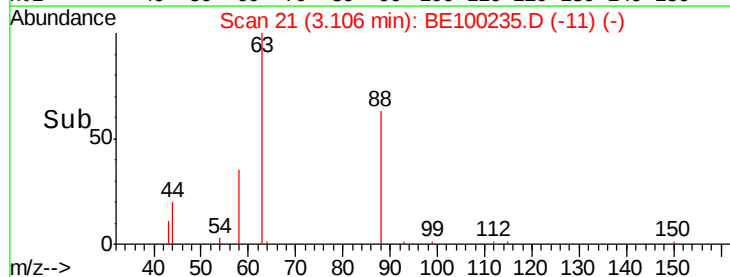
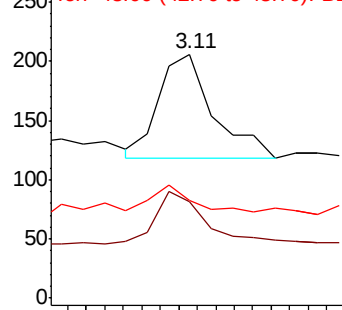
#2

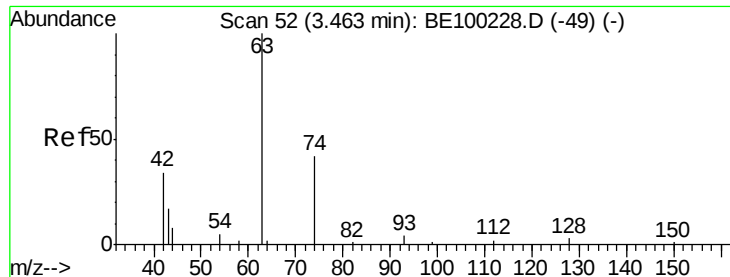
1,4-Dioxane
Concen: 0.255 ng
RT: 3.11 min Scan# 21
Delta R.T. 0.01 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

Tgt Ion	Ratio	Lower	Upper
88	100		
58	45.6	43.6	65.4
43	24.2	21.4	32.0



Abundance Ion 88.00 (87.70 to 88.70): BE1
Ion 58.00 (57.70 to 58.70): BE1
Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.213 ng/ml

RT: 3.51 min Scan# 56

Delta R.T. 0.05 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

Instrument :

BNA_E

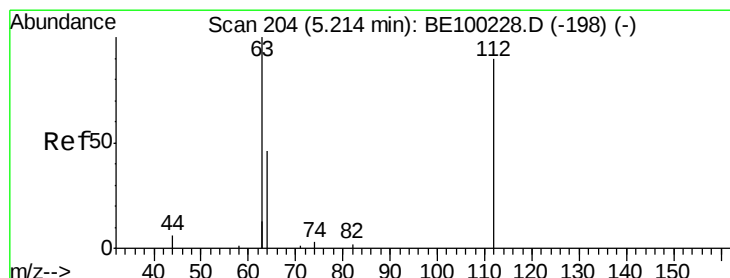
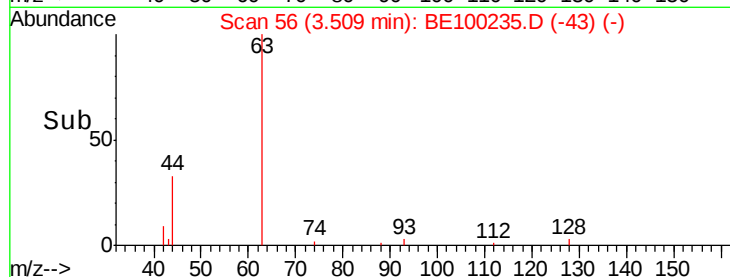
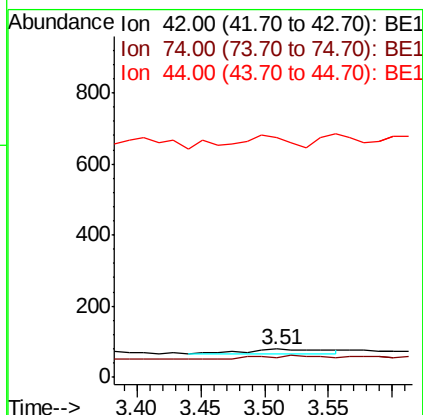
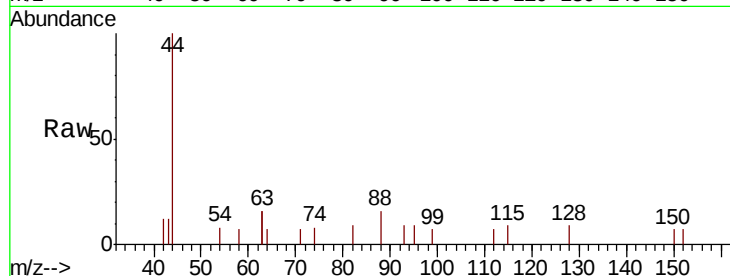
ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion:	42	Resp:	71
Ion	Ratio	Lower	Upper
42	100		
74	29.6	130.6	196.0#
44	70.4	38.0	57.0#

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#4

2-Fluorophenol

Concen: 0.432 ng/ml

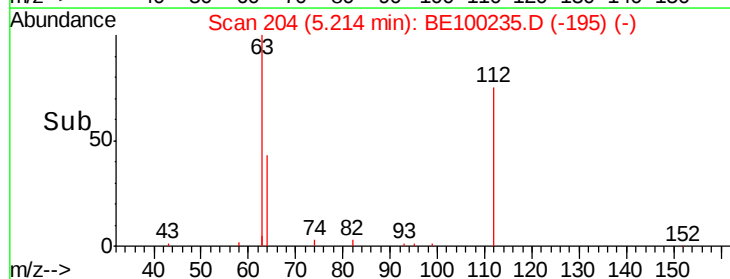
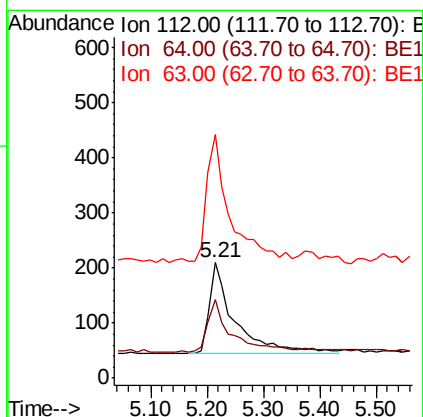
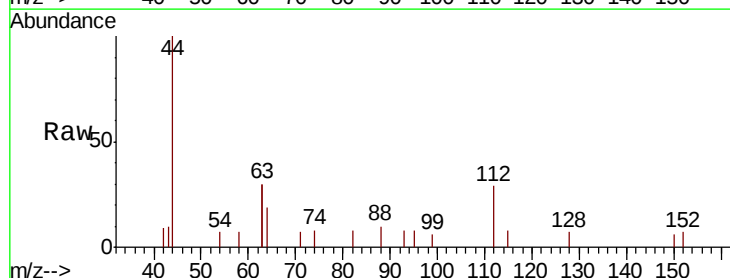
RT: 5.21 min Scan# 204

Delta R.T. -0.00 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

Tgt Ion:	112	Resp:	507
Ion	Ratio	Lower	Upper
112	100		
64	54.2	39.4	59.0
63	128.2	104.5	156.7





#5

Phenol-d6

Concen: 0.416 ng

RT: 6.85 min Scan# 346

Delta R.T. 0.01 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

Instrument :

BNA_E

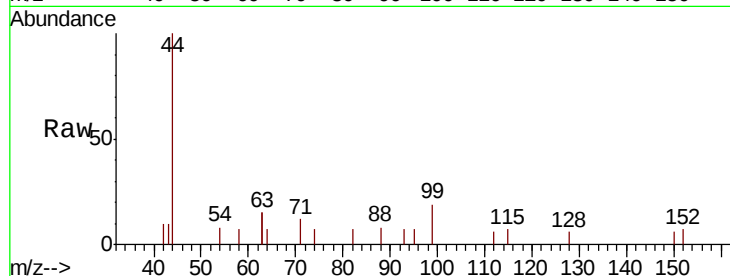
ClientSampleId :

LOQ-SOIL-02-QT2-2019

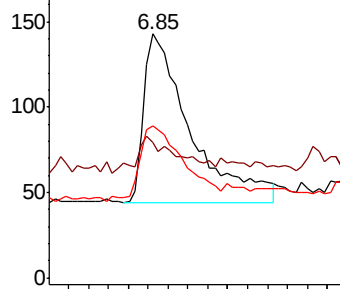
Tot Ion:	99	Resp:	642
Ion	Ratio	Lower	Upper
99	100		
42	18.2	11.2	16.8#
71	42.5	37.2	55.8

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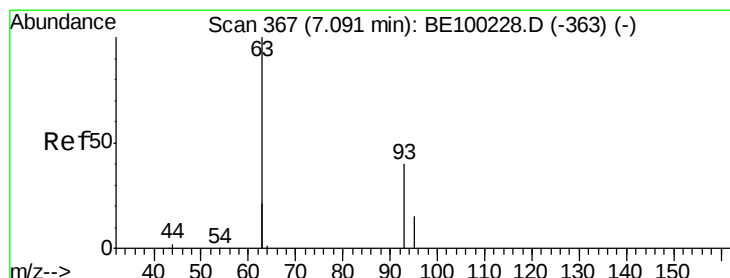
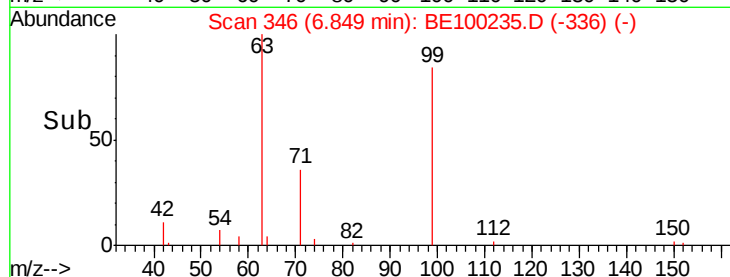
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Abundance Ion 99.00 (98.70 to 99.70): BE1
Ion 42.00 (41.70 to 42.70): BE1
Ion 71.00 (70.70 to 71.70): BE1



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.141 ng

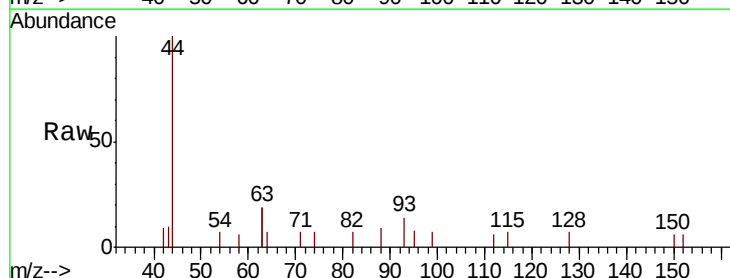
RT: 7.10 min Scan# 368

Delta R.T. 0.01 min

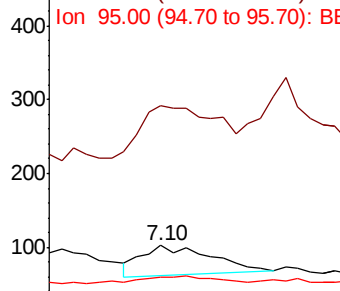
Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

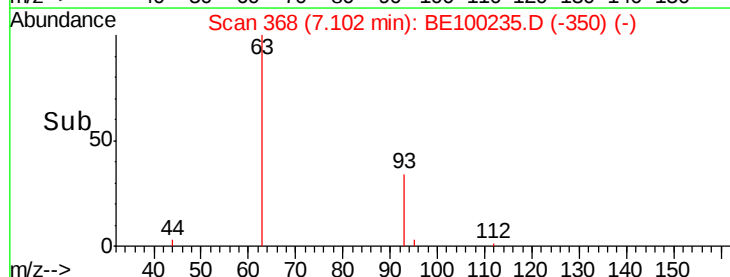
Tgt Ion:	93	Resp:	179
Ion	Ratio	Lower	Upper
93	100		
63	198.3	155.6	233.4
95	0.0	23.0	34.4#

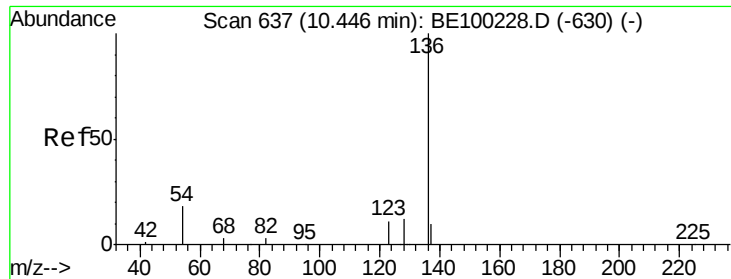


Abundance Ion 93.00 (92.70 to 93.70): BE1
Ion 63.00 (62.70 to 63.70): BE1
Ion 95.00 (94.70 to 95.70): BE1



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.45 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

Instrument :

BNA_E

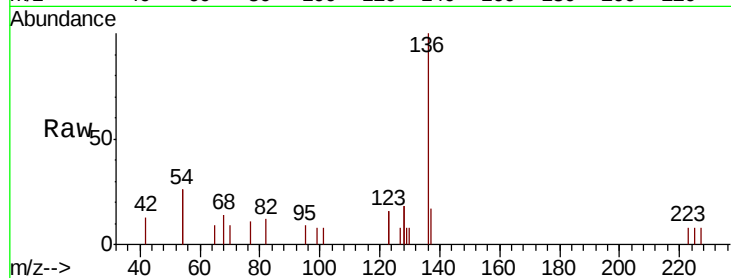
ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
136	100		
137	17.2	11.8	17.8
54	52.3	27.7	41.5#
68	13.7	6.8	10.2#

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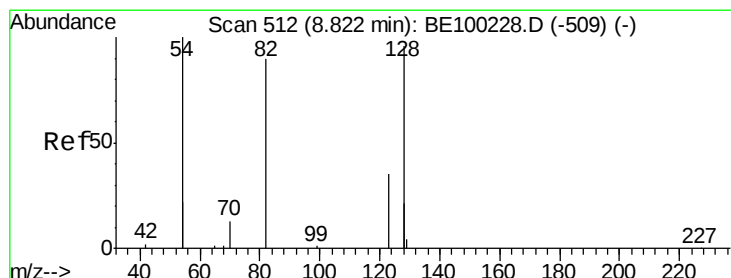
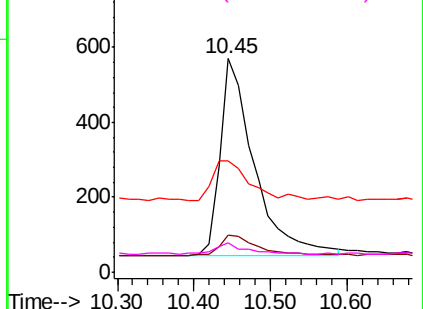
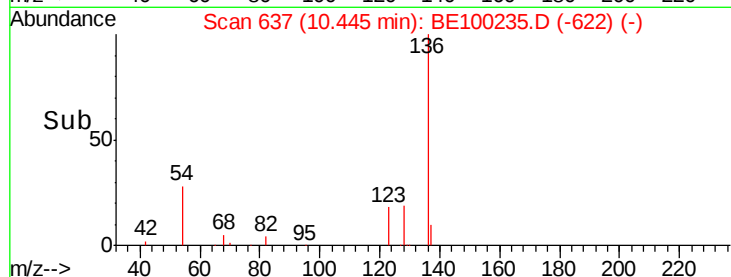


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.372 ng

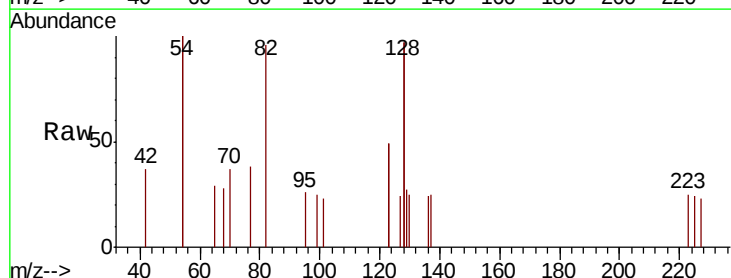
RT: 8.83 min Scan# 513

Delta R.T. 0.01 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

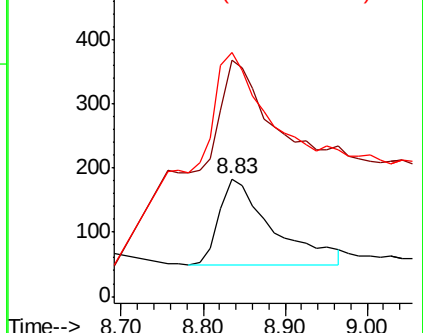
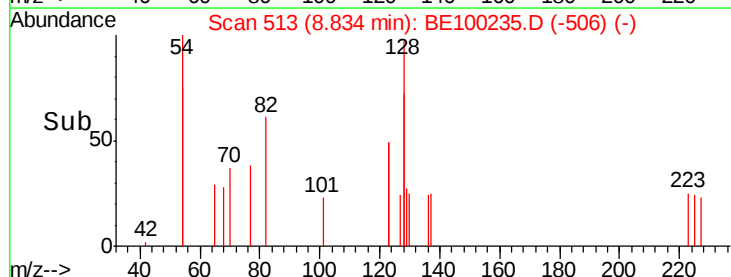
Tgt Ion	Ratio	Lower	Upper
82	100		
128	201.1	140.9	211.3
54	207.7	146.2	219.2

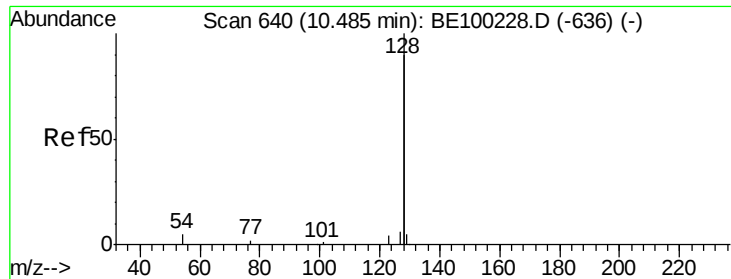


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.199 ng

RT: 10.50 min Scan# 641

Delta R.T. 0.01 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

Instrument :

BNA_E

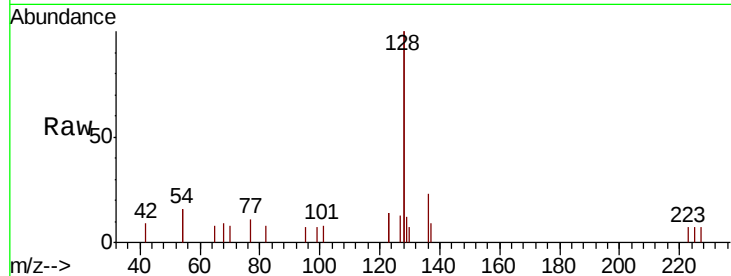
ClientSampleId :

LOQ-SOIL-02-QT2-2019

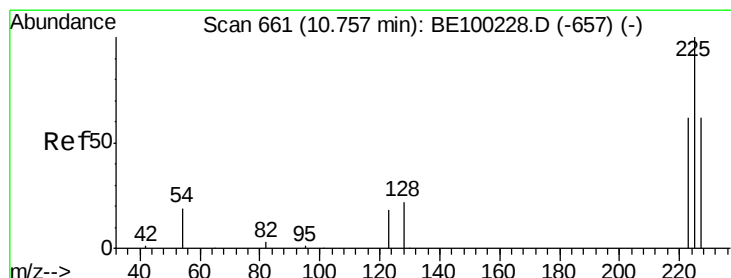
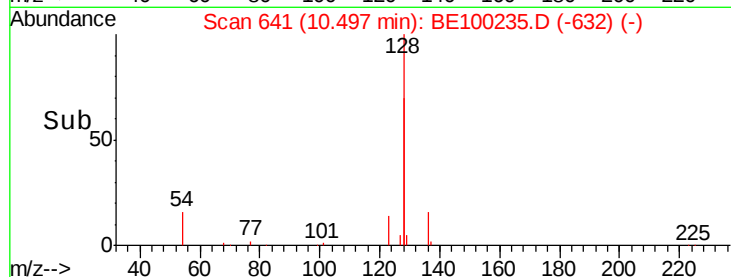
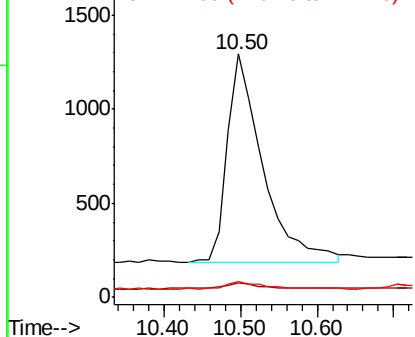
Tot Ion:	128	Resp:	3582
Ion Ratio	Lower	Upper	
128	100		
129	6.0	3.0	4.6#
127	6.3	3.5	5.3#

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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



#10

Hexachlorobutadiene

Concen: 0.194 ng

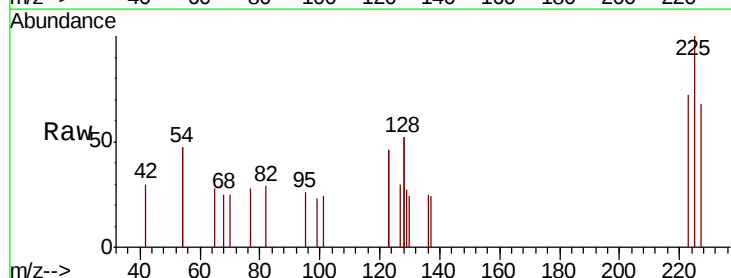
RT: 10.76 min Scan# 661

Delta R.T. -0.00 min

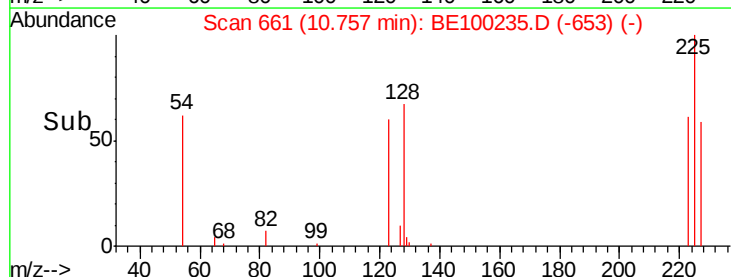
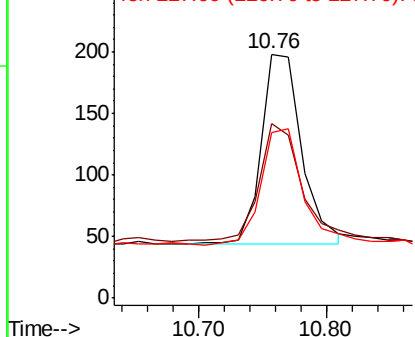
Lab File: BE100235.D

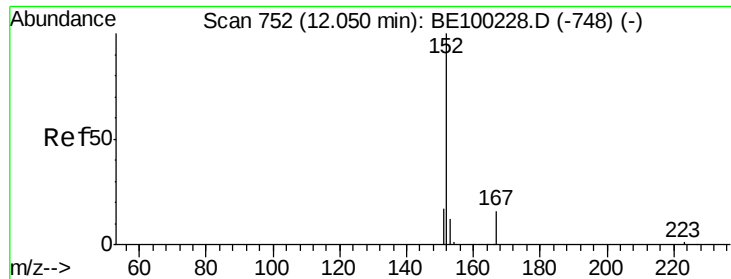
Acq: 28 Jun 2019 15:23

Tgt Ion:	225	Resp:	337
Ion Ratio	Lower	Upper	
225	100		
223	65.0	49.1	73.7
227	63.8	49.3	73.9



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





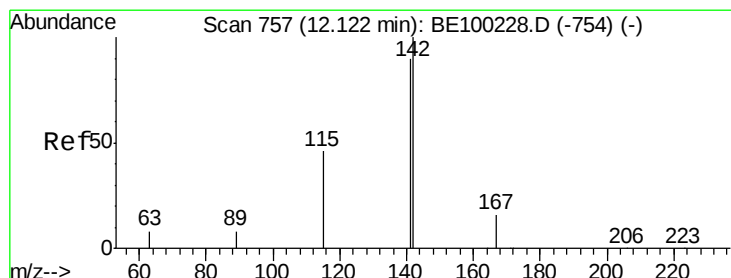
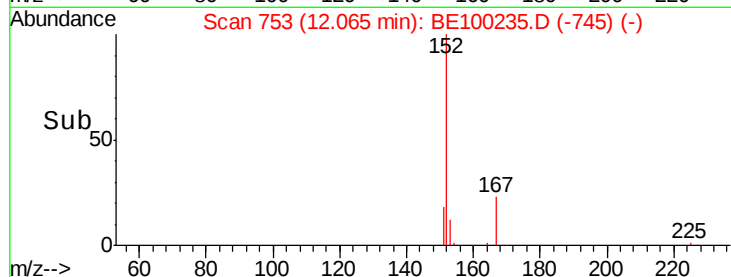
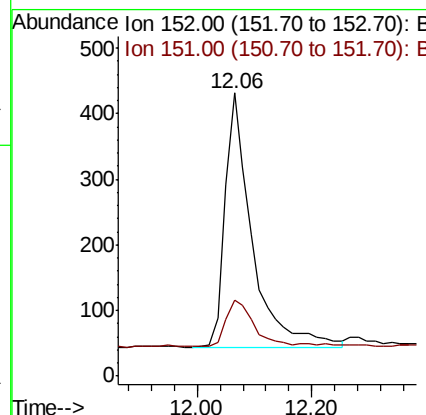
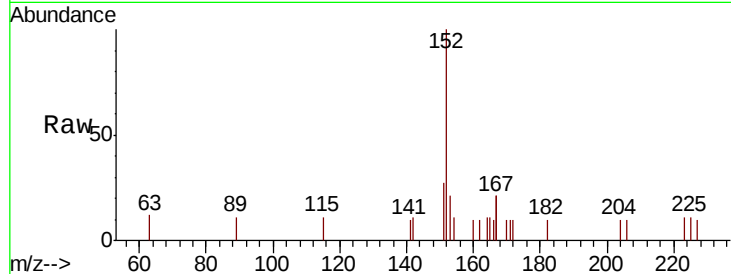
#11
2-Methylnaphthalene-d10
Concen: 0.411 ng
RT: 12.06 min Scan# 753
Delta R.T. 0.01 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.1	22.7

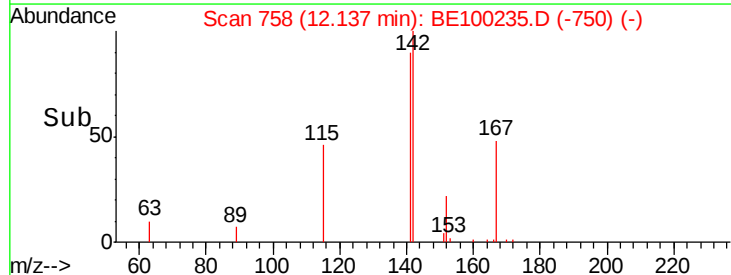
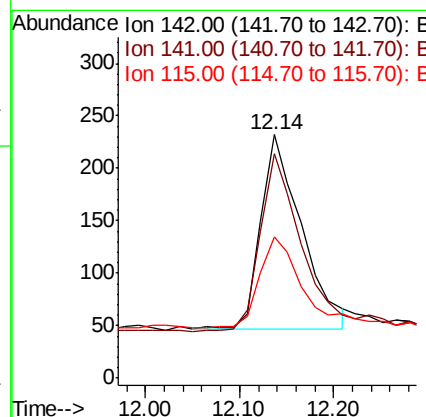
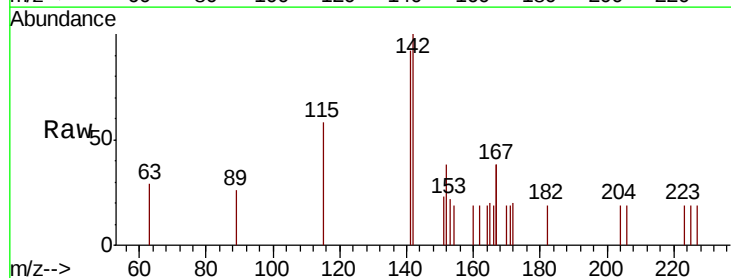
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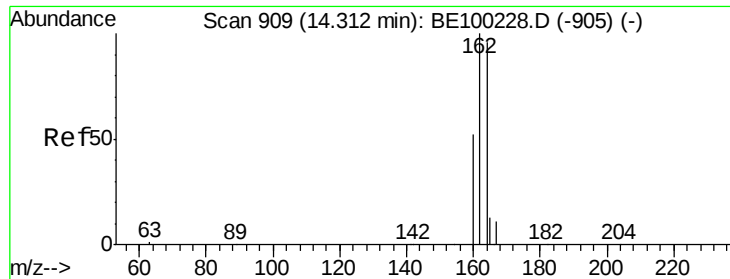
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#12
2-Methylnaphthalene
Concen: 0.175 ng
RT: 12.14 min Scan# 758
Delta R.T. 0.01 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.2	72.4	108.6
115	58.2	40.4	60.6





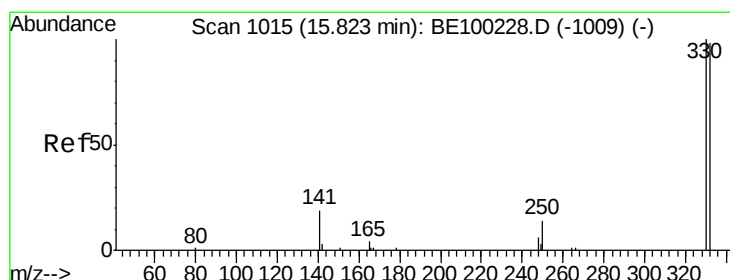
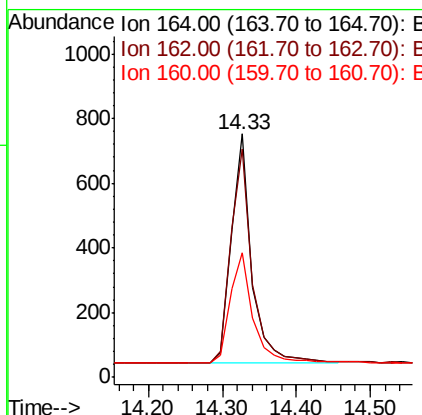
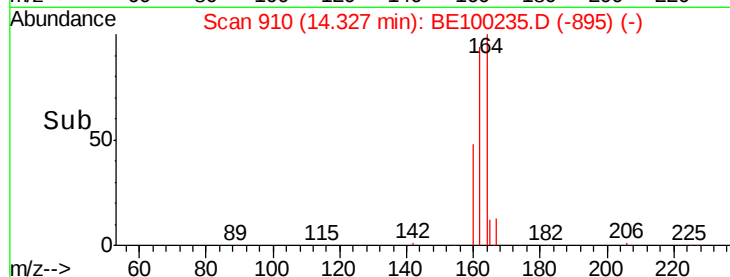
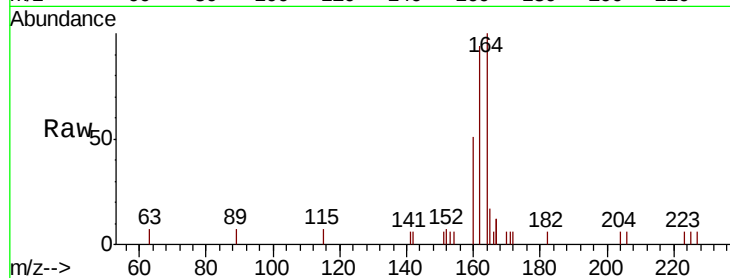
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.33 min Scan# 910
Delta R.T. 0.01 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
164	100		
162	93.9	83.4	125.0
160	51.3	45.0	67.6

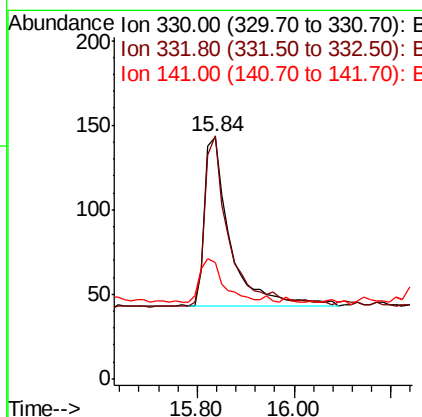
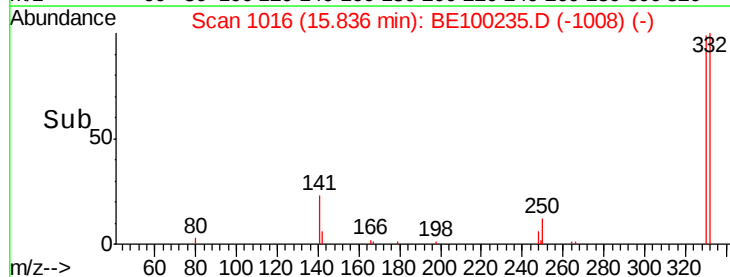
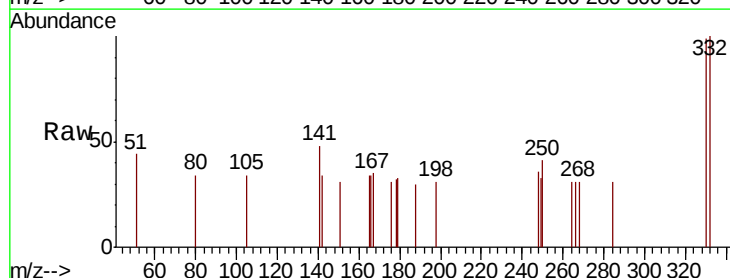
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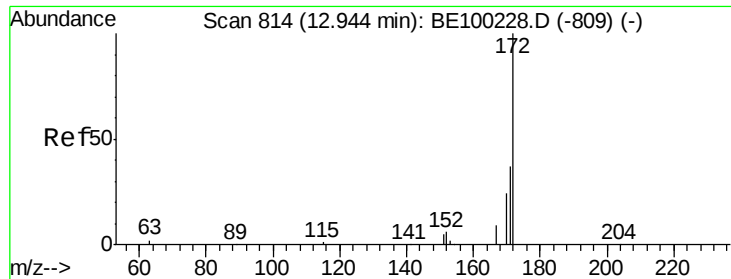
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#14
2,4,6-Tribromophenol
Concen: 0.375 ng
RT: 15.84 min Scan# 1016
Delta R.T. 0.01 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.4
141	24.1	22.0	33.0





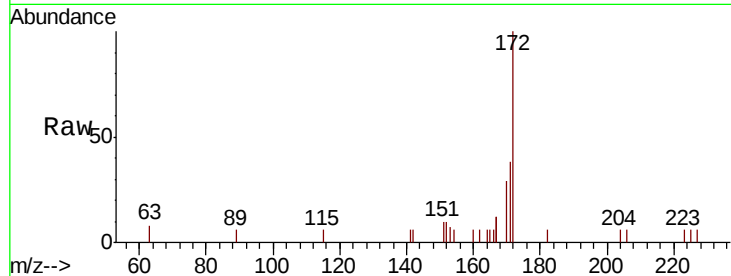
#15
2-Fluorobiphenyl
Concen: 0.405 ng
RT: 12.96 min Scan# 815
Delta R.T. 0.01 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.0	31.9	47.9
170	28.6	22.2	33.2

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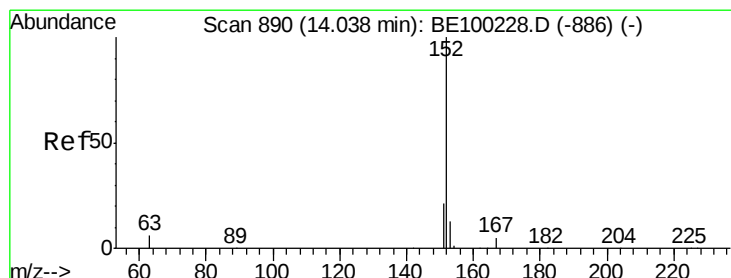
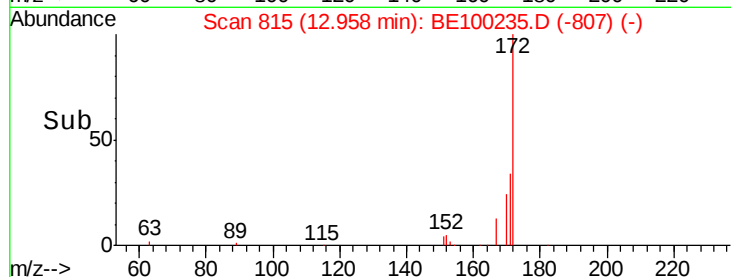
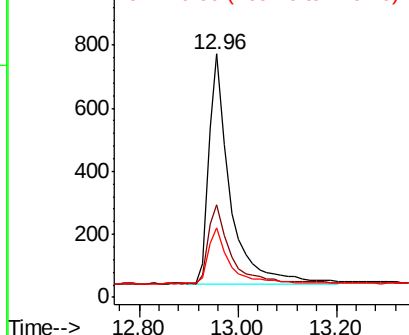


Abundance

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



#16
Acenaphthylene
Concen: 0.190 ng
RT: 14.05 min Scan# 891
Delta R.T. 0.01 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

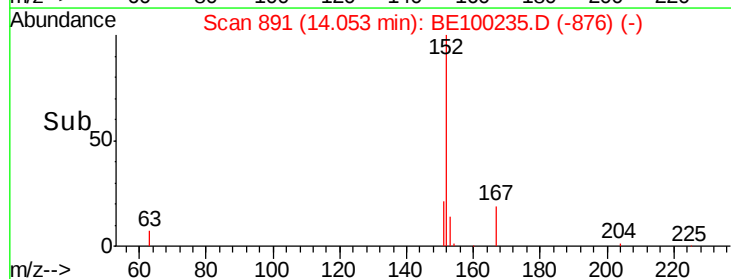
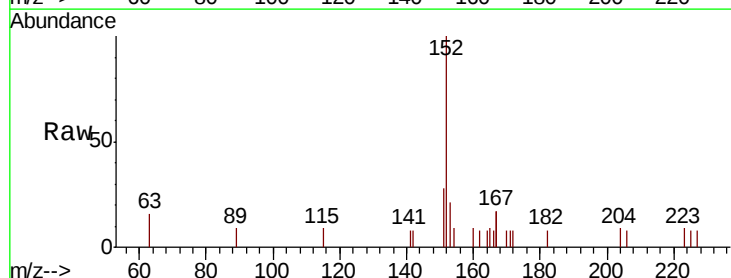
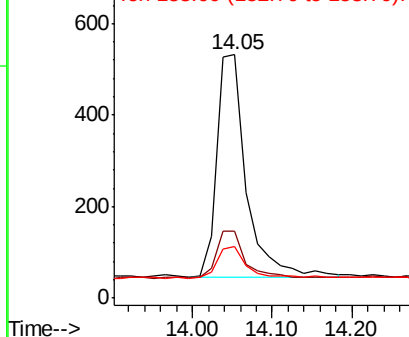
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.6	25.0
153	14.1	10.5	15.7

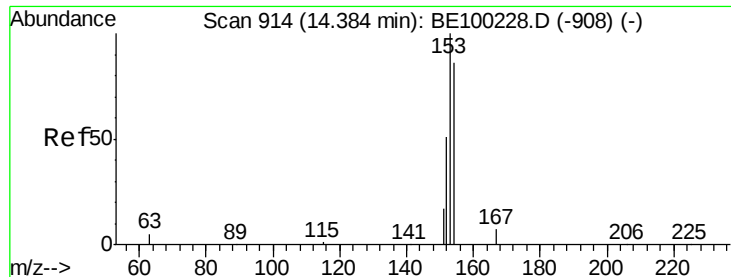
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





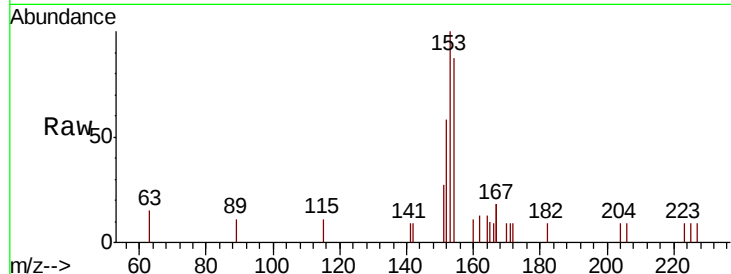
#17
Acenaphthene
Concen: 0.191 ng
RT: 14.38 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

Instrument :
BNA_E
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
154	100		
153	116.4	93.4	140.2
152	65.3	49.4	74.2

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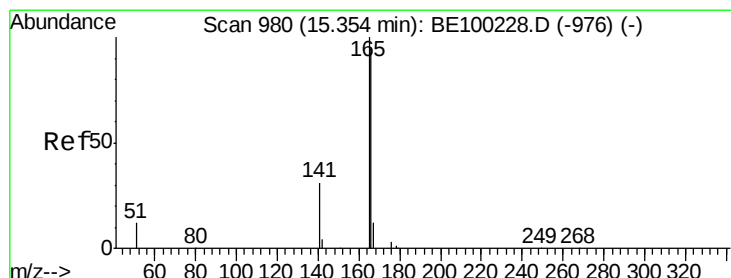
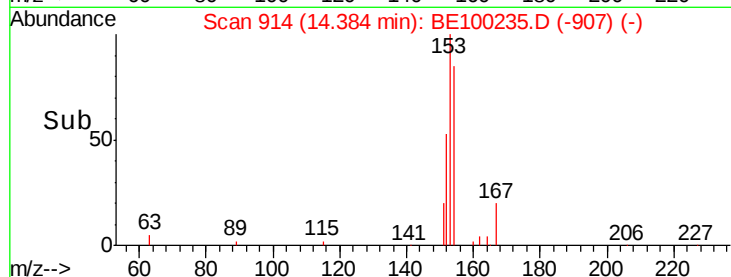
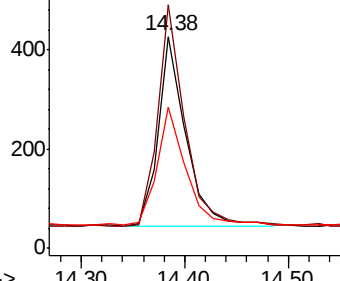


Abundance

Ion 154.00 (153.70 to 154.70): E

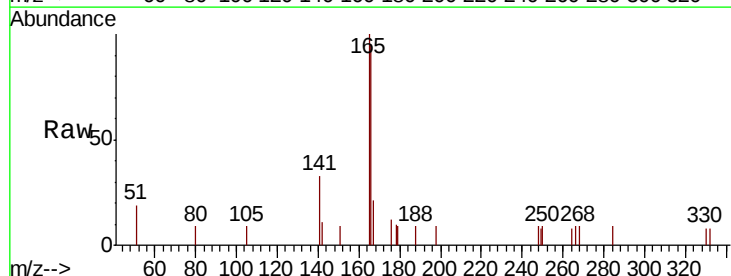
Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18
Fluorene
Concen: 0.186 ng
RT: 15.37 min Scan# 981
Delta R.T. 0.01 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.5	81.1	121.7
167	13.9	10.7	16.1

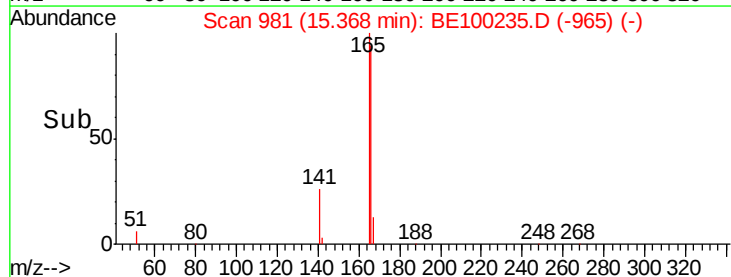
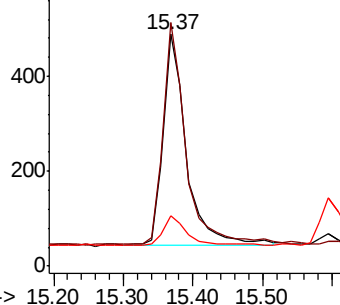


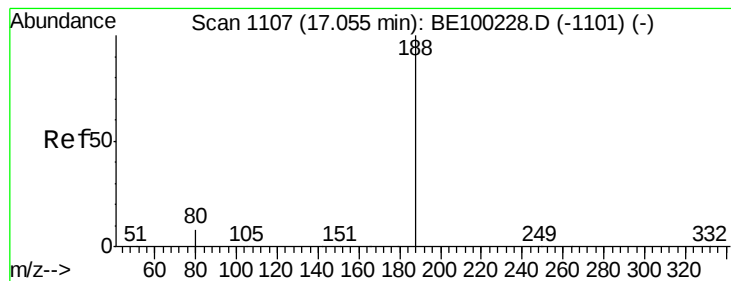
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.07 min Scan# 1108

Delta R.T. 0.01 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

Instrument :

BNA_E

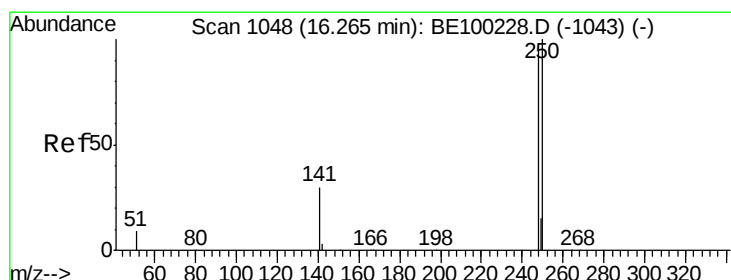
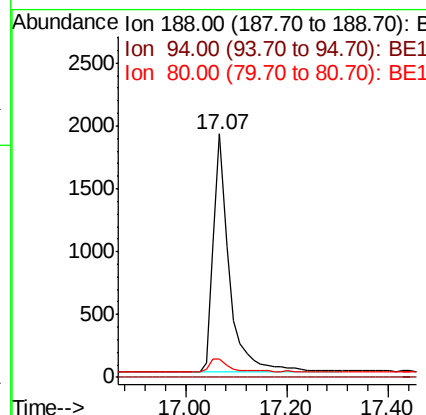
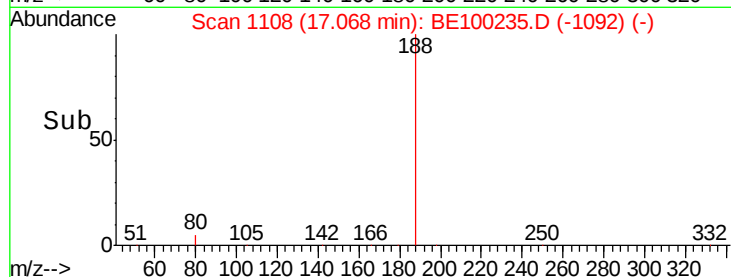
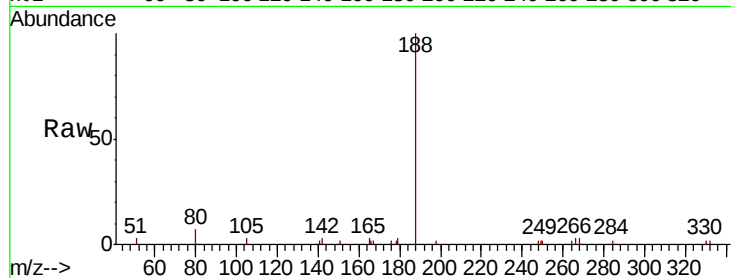
ClientSampleId :

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Tot Ion:	188	Resp:	4180
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	7.5	7.6	11.4#

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#20

4-Bromophenyl-phenylether

Concen: 0.184 ng

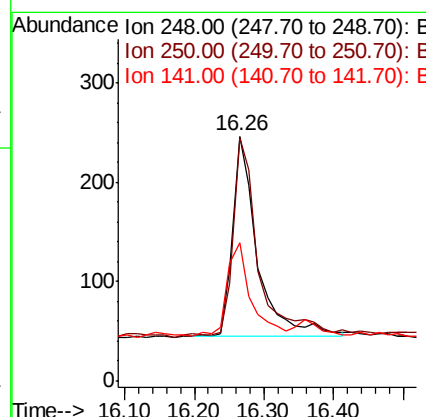
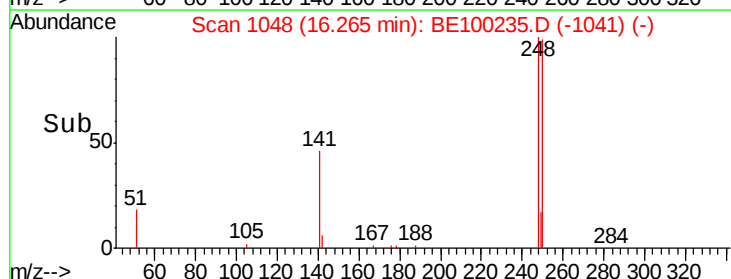
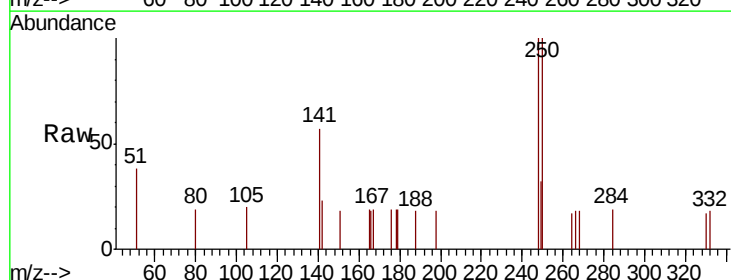
RT: 16.26 min Scan# 1048

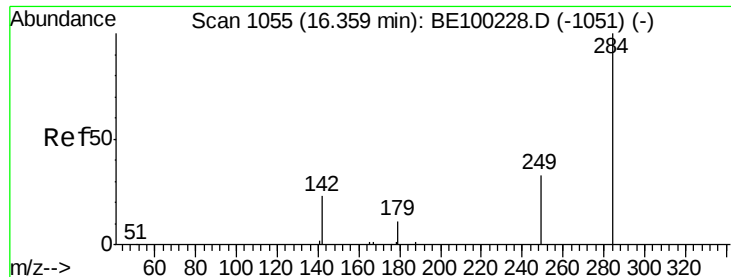
Delta R.T. -0.00 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

Tgt Ion:	248	Resp:	492
Ion Ratio	Lower	Upper	
248	100		
250	99.6	84.2	126.4
141	56.5	29.3	43.9#





#21

Hexachlorobenzene

Concen: 0.186 ng

RT: 16.37 min Scan# 1056

Delta R.T. 0.01 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

Instrument :

BNA_E

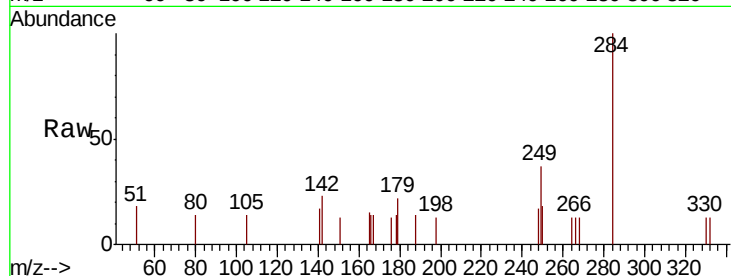
ClientSampleId :

LOQ-SOIL-02-QT2-2019

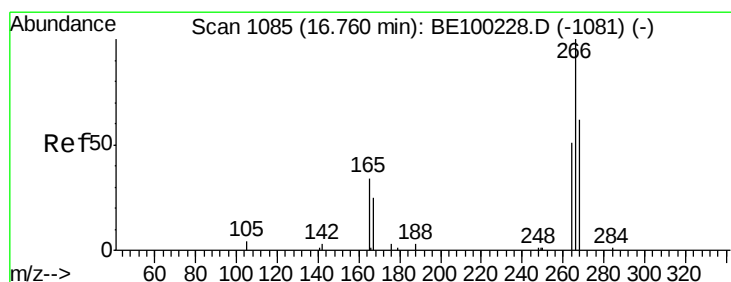
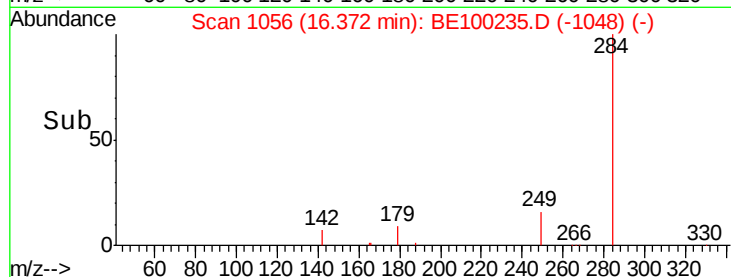
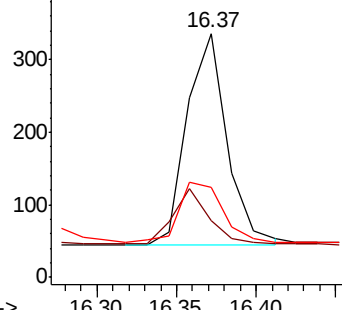
Tot Ion:	284	Resp:	516
Ion Ratio	Lower	Upper	
284	100		
142	23.3	18.8	28.2
249	30.2	23.7	35.5

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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: 0.304 ng

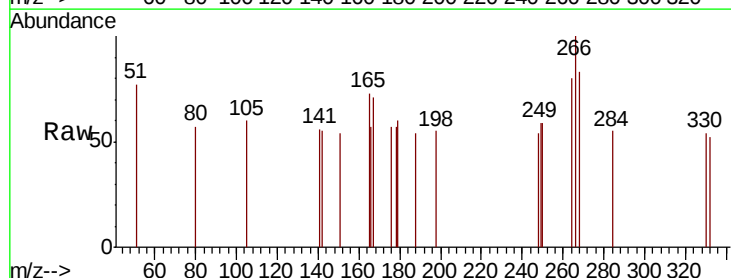
RT: 16.79 min Scan# 1087

Delta R.T. 0.03 min

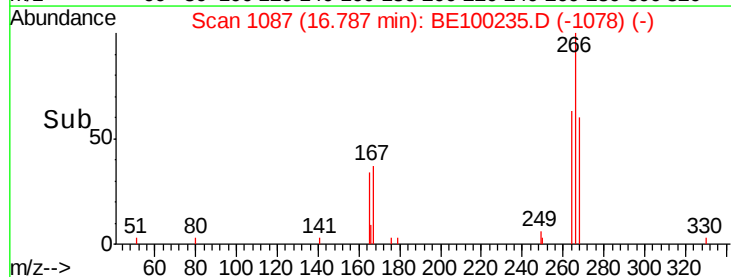
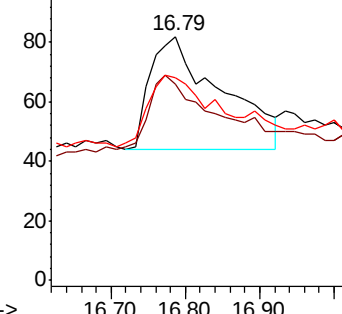
Lab File: BE100235.D

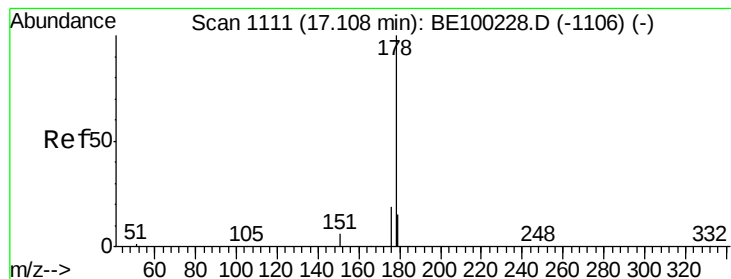
Acq: 28 Jun 2019 15:23

Tgt Ion:	266	Resp:	253
Ion Ratio	Lower	Upper	
266	100		
264	80.5	56.2	84.2
268	82.9	61.8	92.6



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: 0.185 ng

RT: 17.11 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

Instrument :

BNA_E

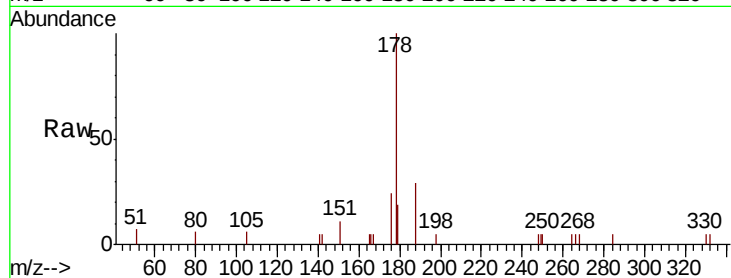
ClientSampleId :

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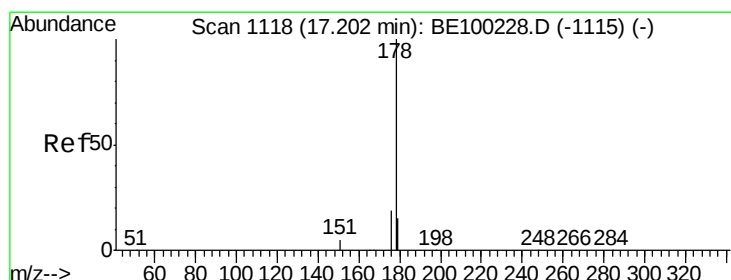
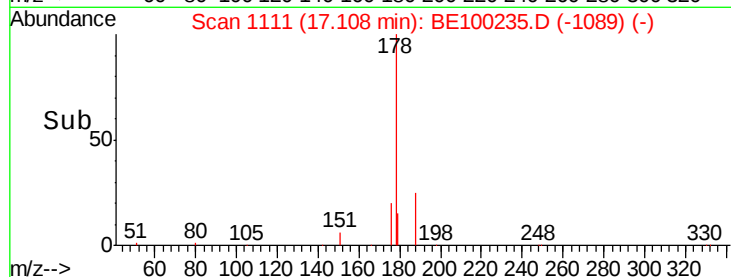
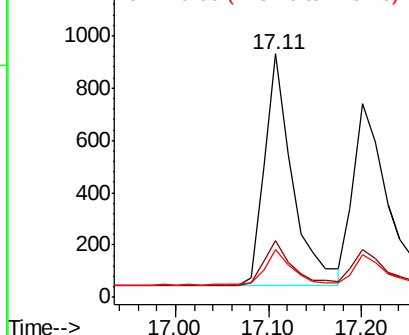
Tot Ion:178	Resp:	1870
Ion Ratio	Lower	Upper
178	100	
176	20.5	15.9 23.9
179	15.8	12.2 18.2

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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: 0.172 ng

RT: 17.20 min Scan# 1118

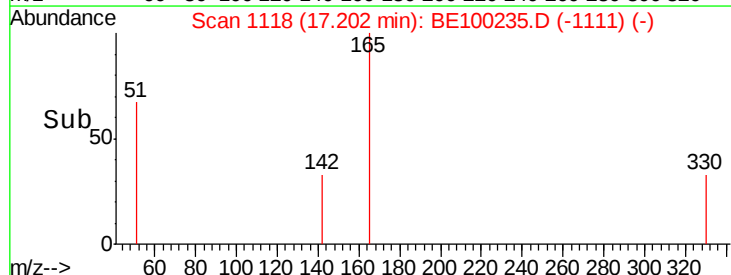
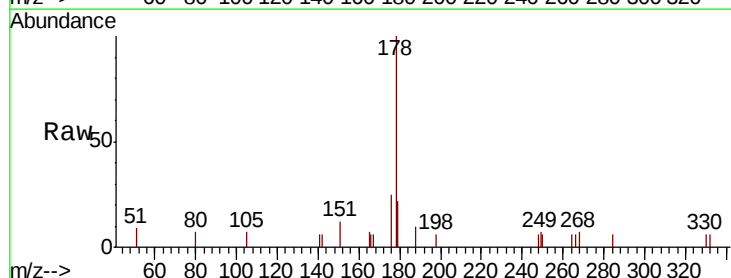
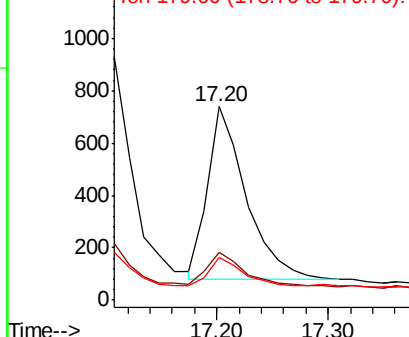
Delta R.T. -0.00 min

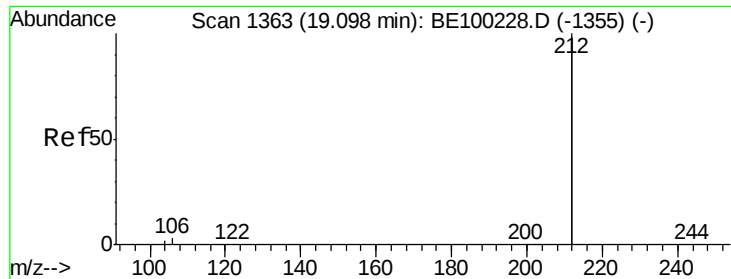
Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

Tgt Ion:178	Resp:	1573
Ion Ratio	Lower	Upper
178	100	
176	19.9	15.3 22.9
179	15.4	12.2 18.2

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





#25

Fluoranthene-d10

Concen: 0.412 ng

RT: 19.10 min Scan# 1364

Delta R.T. 0.01 min

Lab File: BE100235.D

Acq: 28 Jun 2019 15:23

Instrument :

BNA_E

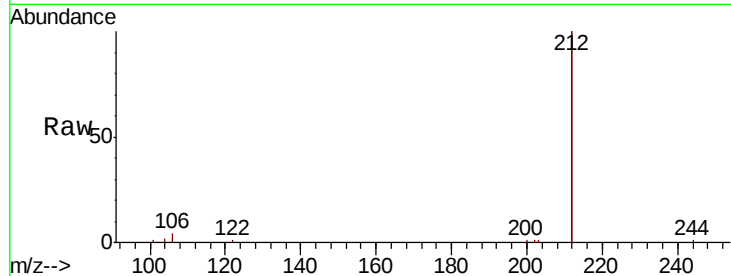
ClientSampleId :

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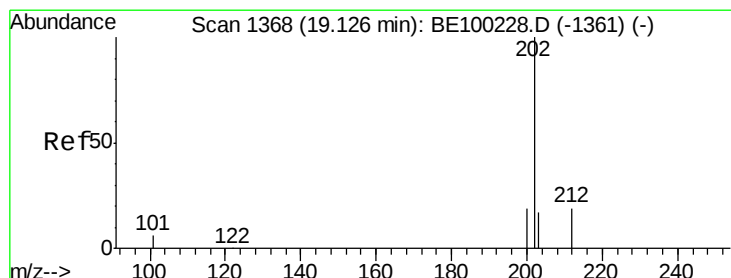
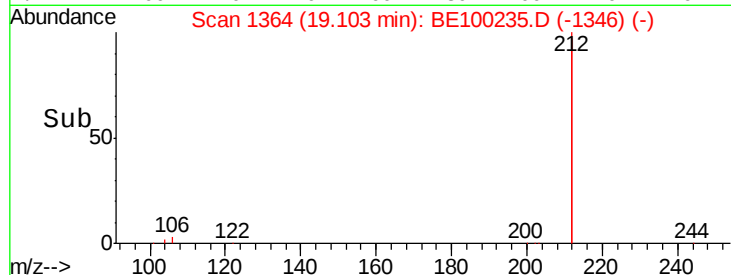
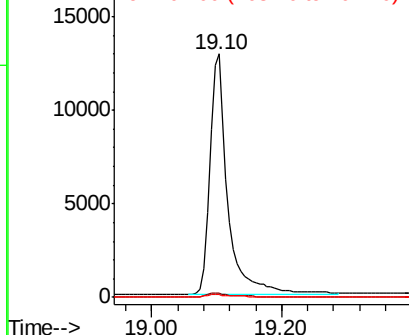
Tot Ion:	212	Resp:	24980
Ion Ratio	Lower	Upper	
212	100		
106	1.6	1.3	1.9
104	0.9	0.8	1.2

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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.192 ng

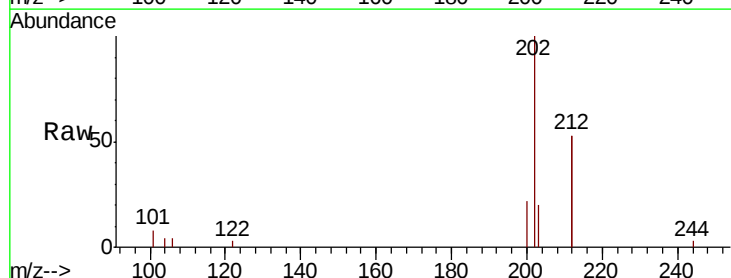
RT: 19.13 min Scan# 1369

Delta R.T. 0.01 min

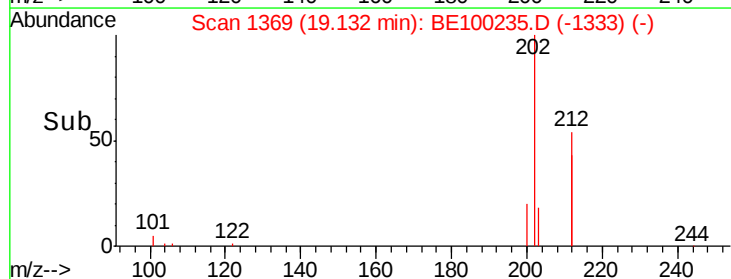
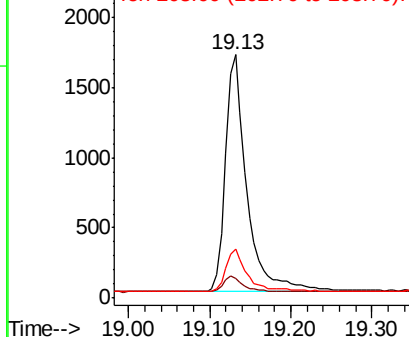
Lab File: BE100235.D

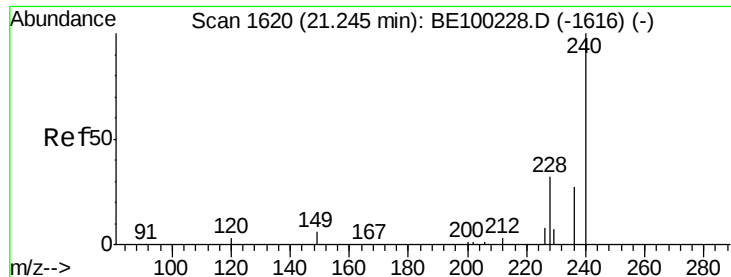
Acq: 28 Jun 2019 15:23

Tgt Ion:	202	Resp:	3091
Ion Ratio	Lower	Upper	
202	100		
101	6.3	4.6	7.0
203	17.8	13.7	20.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





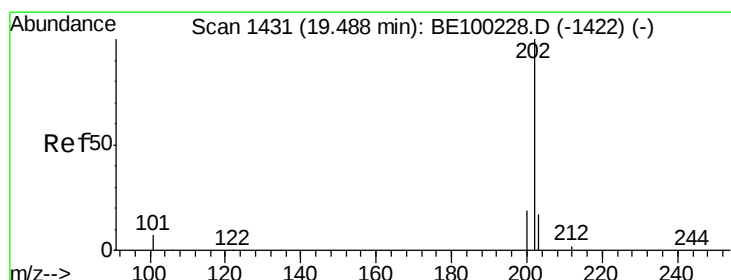
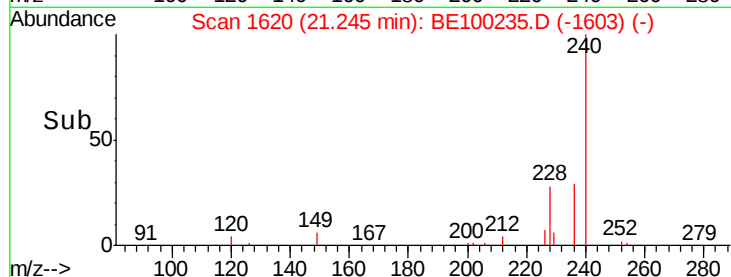
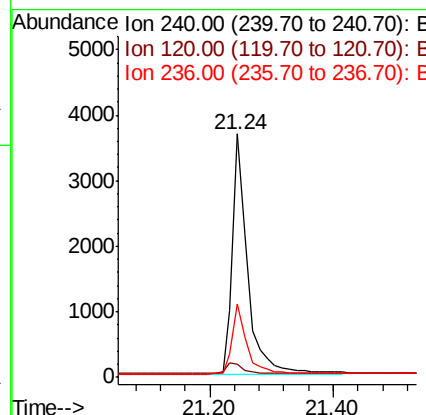
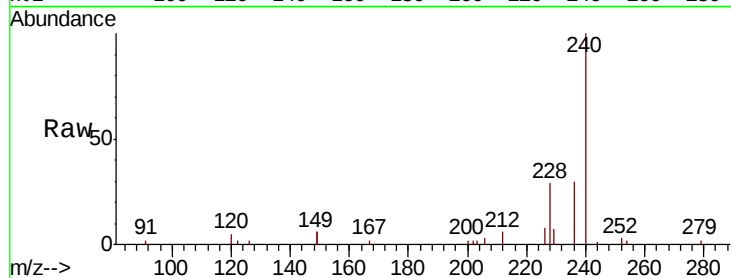
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.4	3.3	4.9#
236	30.1	22.6	34.0

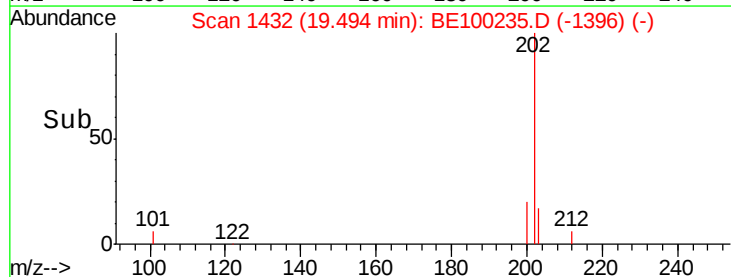
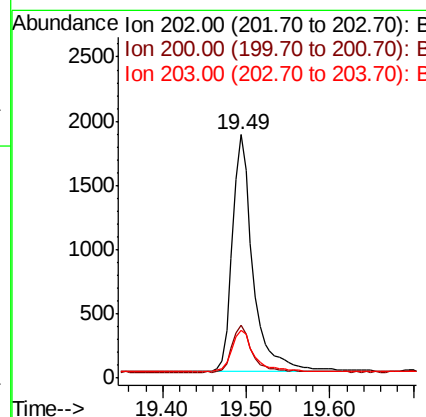
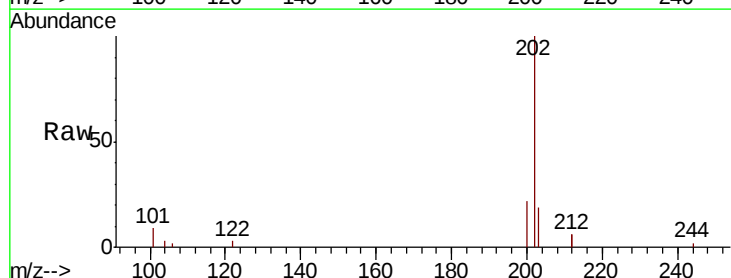
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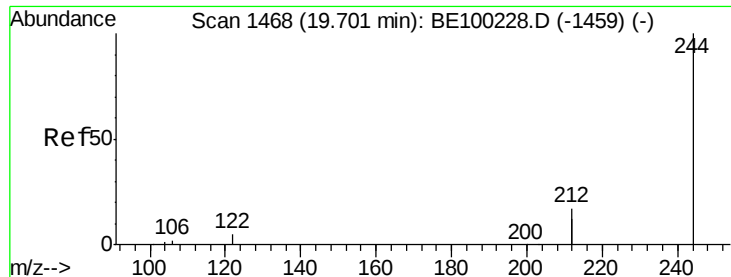
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#28
Pyrene
Concen: 0.193 ng
RT: 19.49 min Scan# 1432
Delta R.T. 0.01 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.6	23.4
203	18.2	14.0	21.0





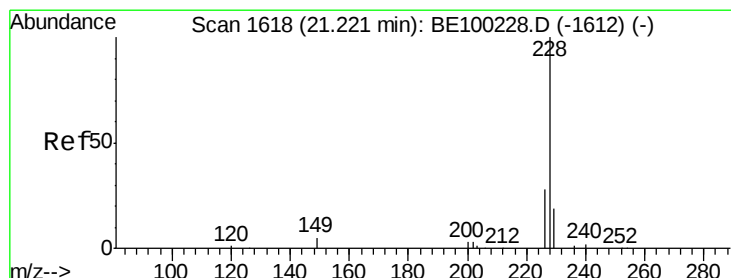
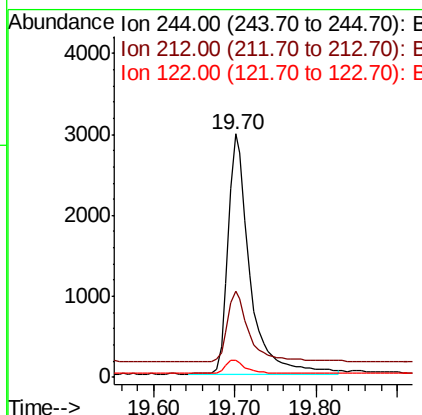
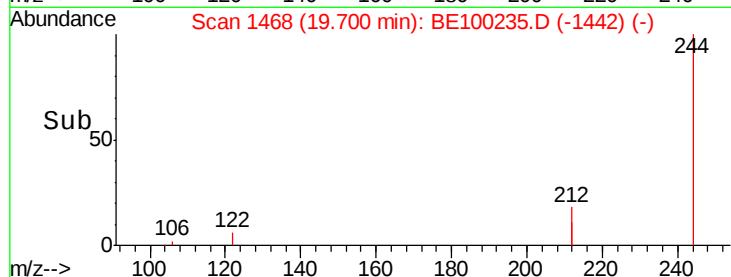
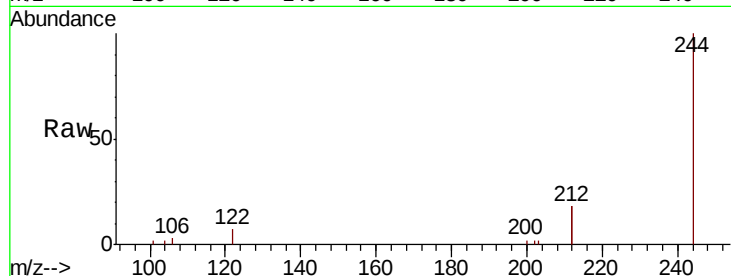
#29
 Terphenyl-d14
 Concen: 0.423 ng
 RT: 19.70 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BE100235.D
 Acq: 28 Jun 2019 15:23

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
244	100		
212	35.7	27.3	40.9
122	7.0	4.7	7.1

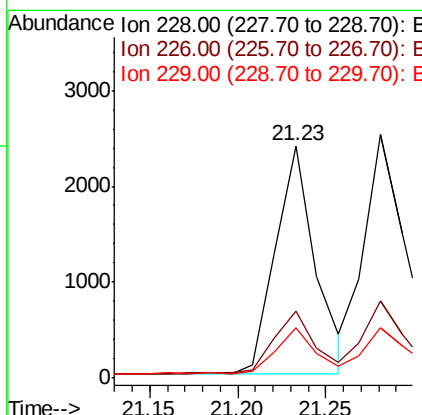
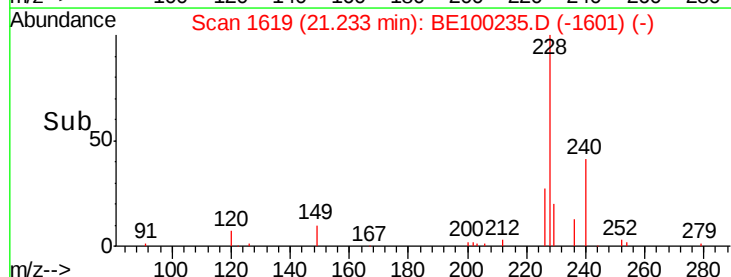
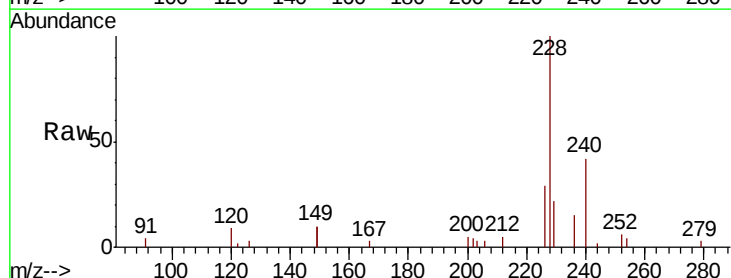
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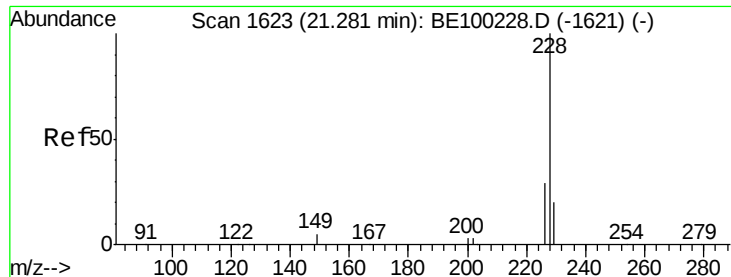
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#30
 Benzo(a)anthracene
 Concen: 0.180 ng
 RT: 21.23 min Scan# 1619
 Delta R.T. 0.01 min
 Lab File: BE100235.D
 Acq: 28 Jun 2019 15:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.2	34.8
229	21.7	15.7	23.5





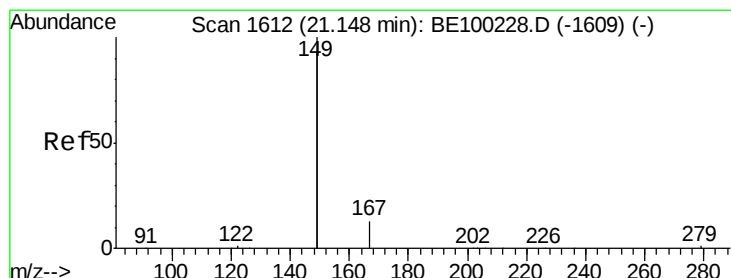
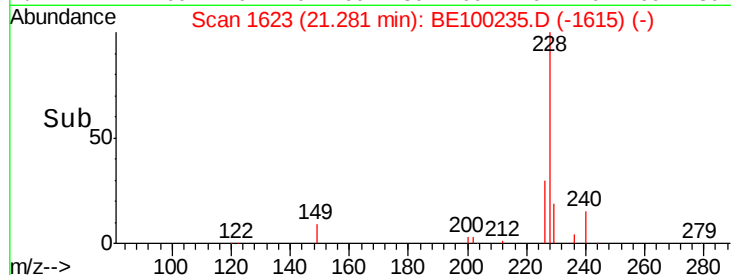
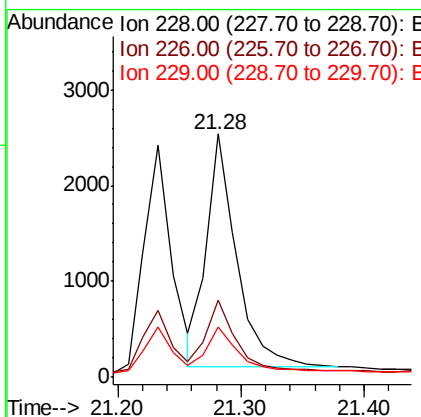
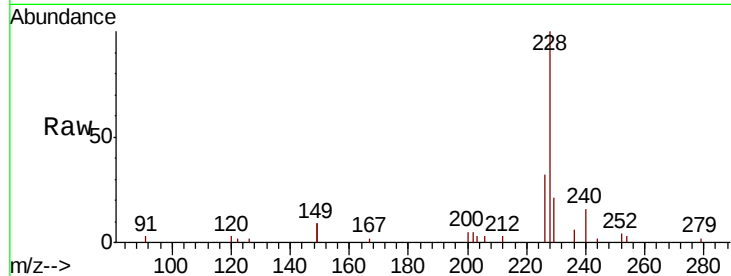
#31
Chrysene
Concen: 0.198 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion:228	Resp:	4104
Ion Ratio	Lower	Upper
228	100	
226	31.9	23.9 35.9
229	20.8	16.5 24.7

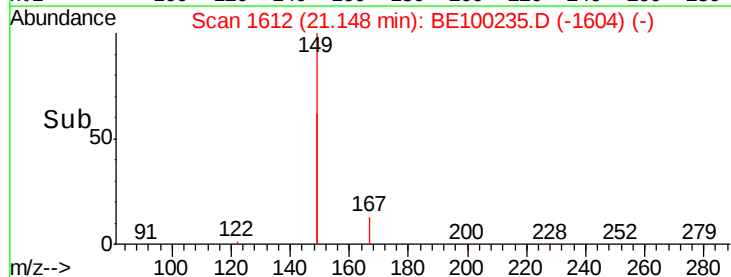
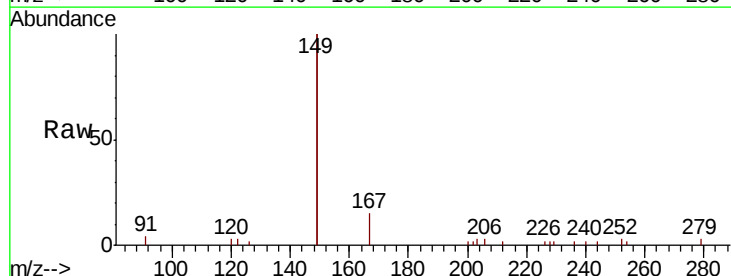
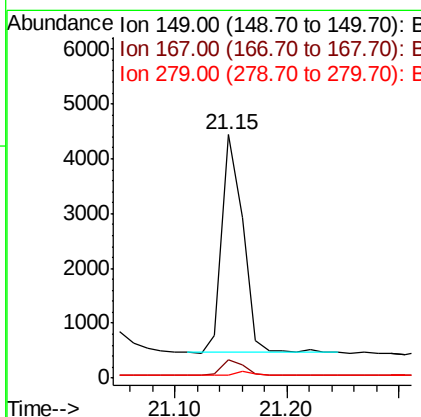
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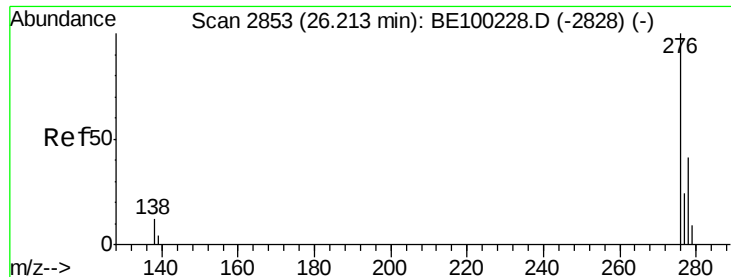
mohammad
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#32
Bis(2-ethylhexyl)phthalate
Concen: 0.118 ng
RT: 21.15 min Scan# 1612
Delta R.T. 0.00 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

Tgt Ion:149	Resp:	5123
Ion Ratio	Lower	Upper
149	100	
167	8.6	5.8 8.8
279	1.6	1.1 1.7





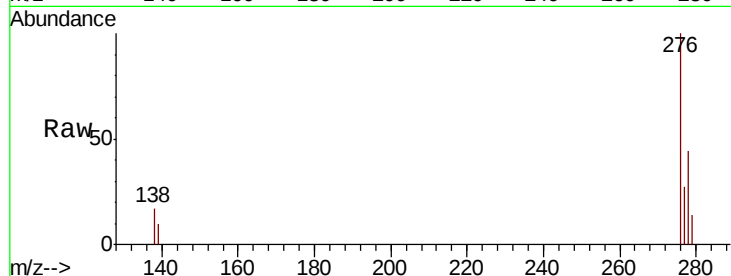
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.179 ng
 RT: 26.22 min Scan# 2856
 Delta R.T. 0.01 min
 Lab File: BE100235.D
 Acq: 28 Jun 2019 15:23

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.7	9.4	14.0
277	23.2	19.2	28.8

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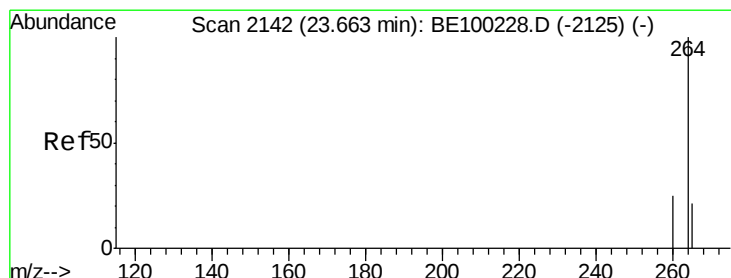
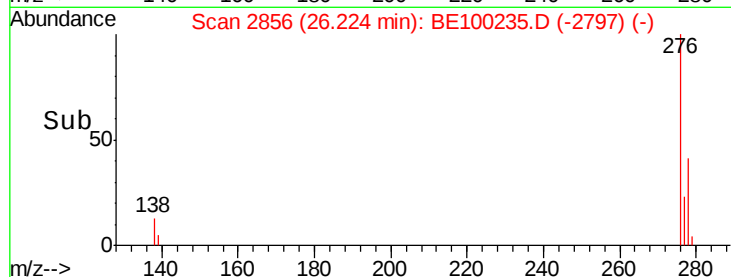
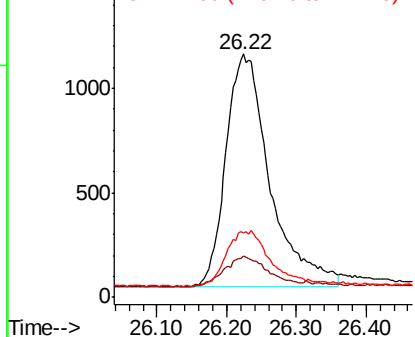


Abundance

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: 23.67 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: BE100235.D
 Acq: 28 Jun 2019 15:23

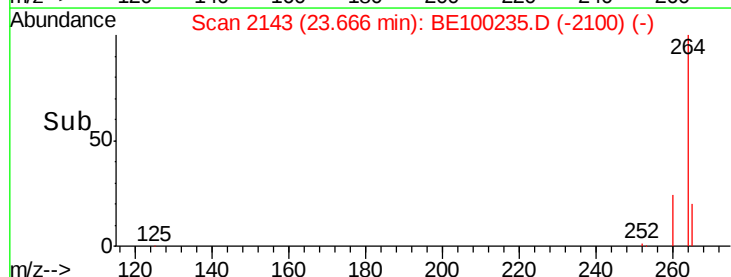
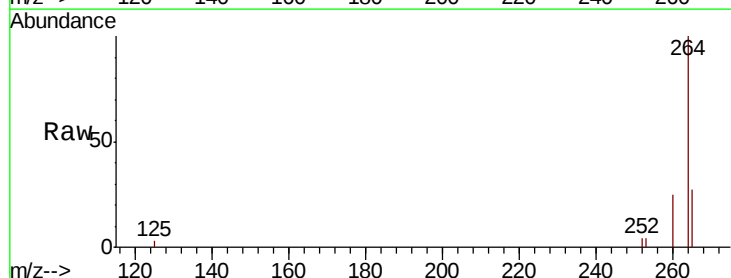
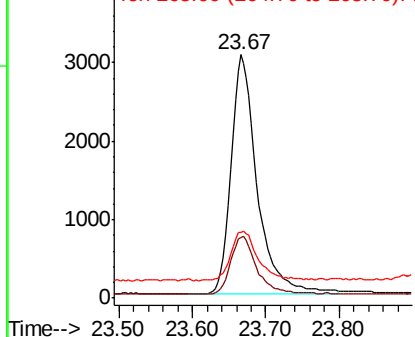
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.8	31.2
265	27.1	21.8	32.6

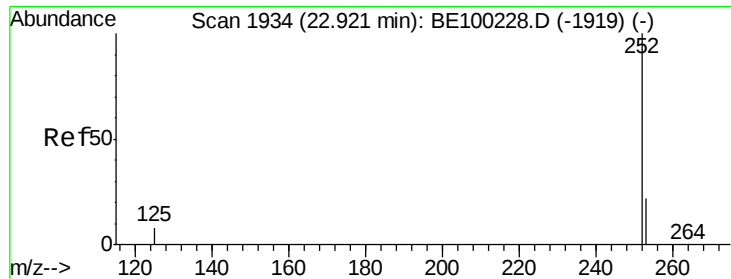
Abundance

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





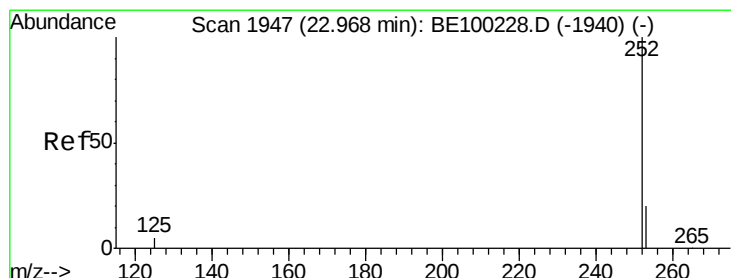
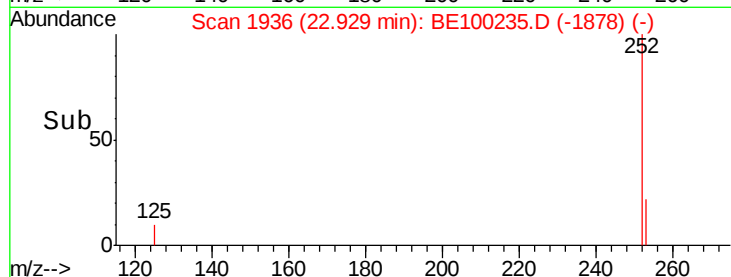
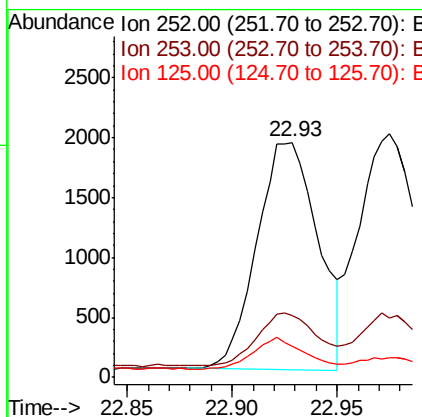
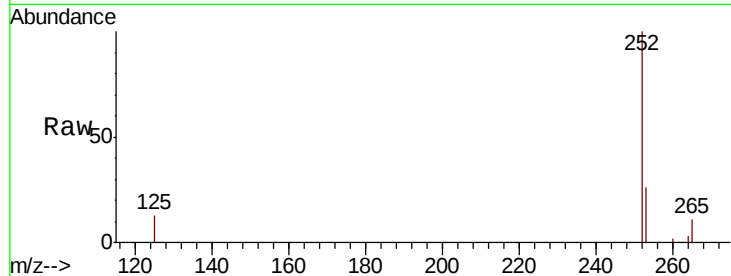
#35
Benzo(b)fluoranthene
Concen: 0.186 ng m
RT: 22.93 min Scan# 1936
Delta R.T. 0.01 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	19.2	28.8
125	13.4	7.4	11.0

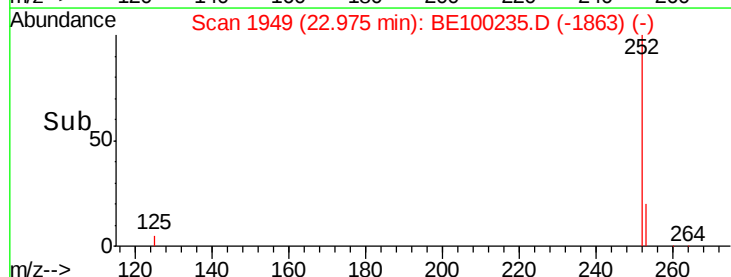
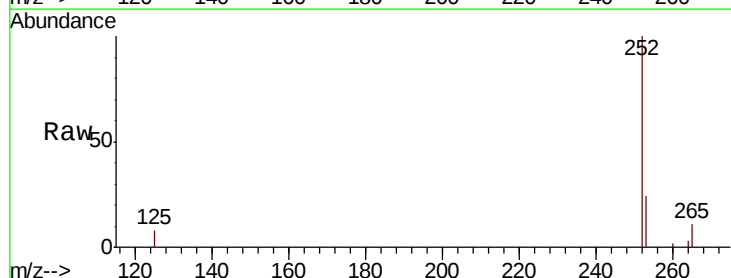
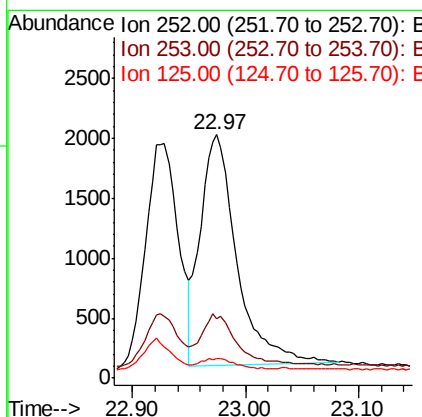
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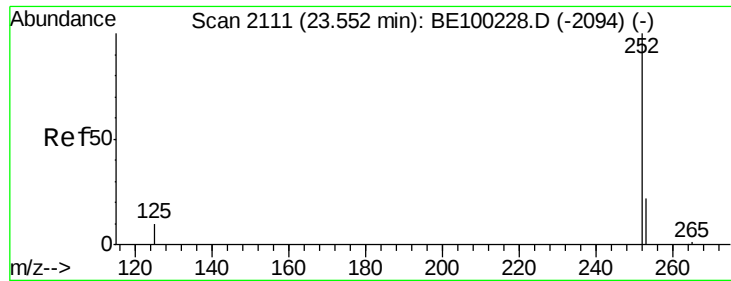
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#36
Benzo(k)fluoranthene
Concen: 0.189 ng
RT: 22.97 min Scan# 1949
Delta R.T. 0.01 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	8.2	5.0	7.4





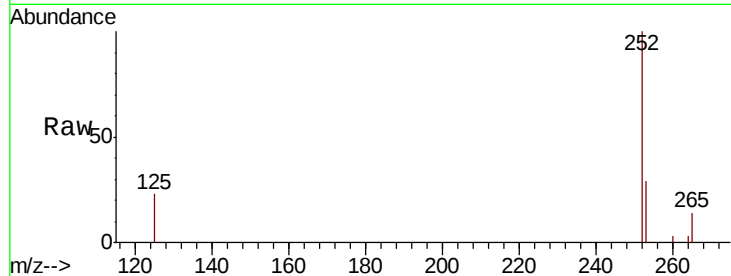
#37
Benzo(a)pyrene
Concen: 0.202 ng
RT: 23.56 min Scan# 2113
Delta R.T. 0.01 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

Instrument :
BNA_E
ClientSampleId :
LOQ-SOIL-02-QT2-2019

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.3	19.6	29.4
125	22.8	9.0	13.6

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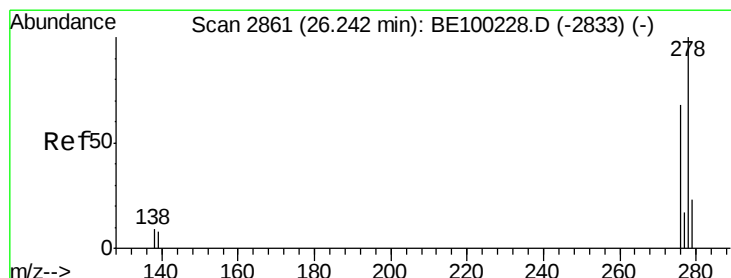
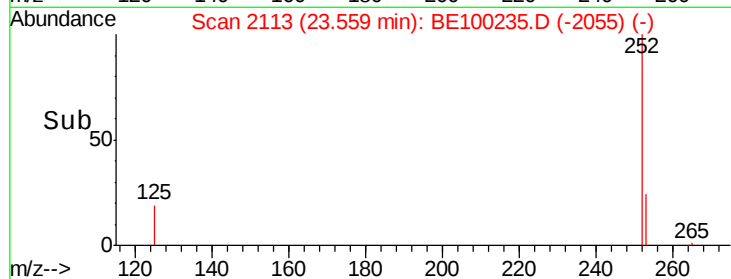
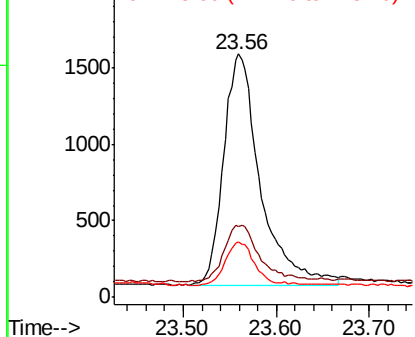


Abundance

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



#38
Dibenzo(a,h)anthracene
Concen: 0.183 ng
RT: 26.25 min Scan# 2862
Delta R.T. 0.00 min
Lab File: BE100235.D
Acq: 28 Jun 2019 15:23

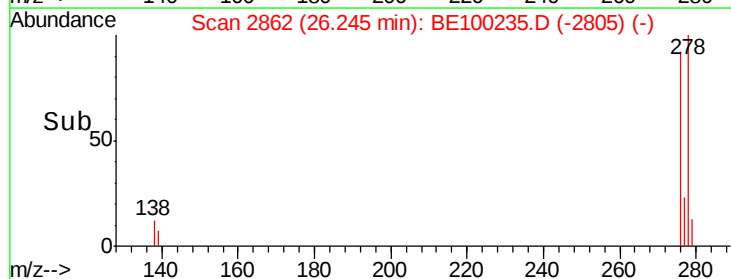
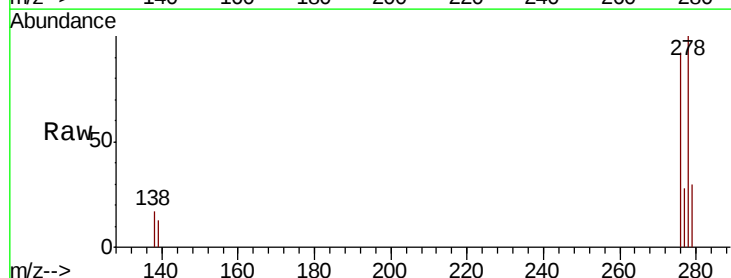
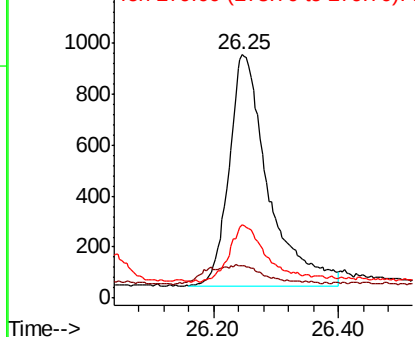
Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.4	8.2	12.2
279	30.3	20.3	30.5

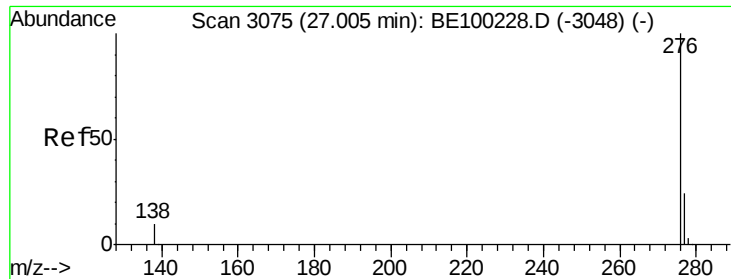
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.194 ng

RT: 27.01 min Scan# 3075

Delta R.T. 0.00 min

Lab File: BE100235.D

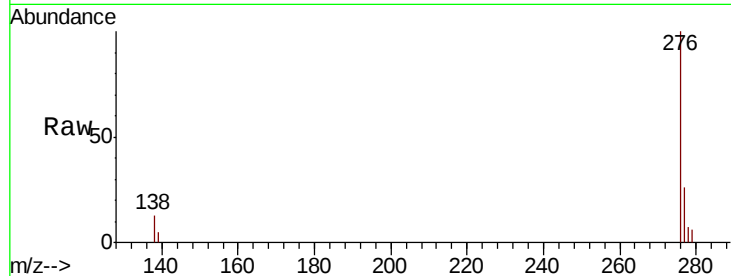
Acq: 28 Jun 2019 15:23

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019



Tot Ion: 276 Resp: 4298

Ion Ratio Lower Upper

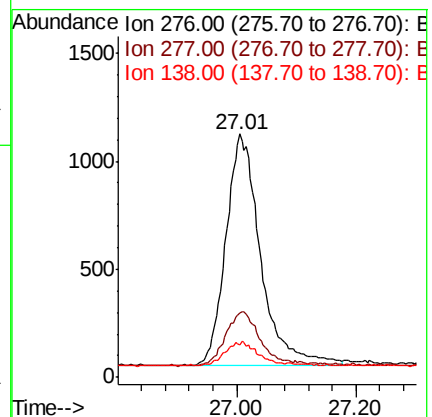
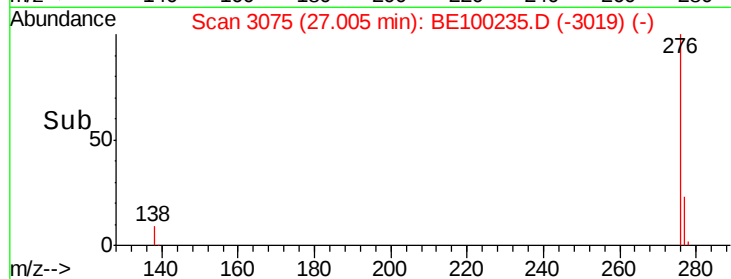
276 100

277 26.4 20.2 30.2

138 13.5 9.0 13.6

Manual Integrations
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Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
 Data File : BE100235.D
 Acq On : 28 Jun 2019 15:23
 Operator : JU/SJ
 Sample : K2241-02
 Misc : L00-S-0.2PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Manual Integrations
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Quant Time: Jun 29 00:22:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 14:06:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	460	0.40	ng	0.00
7) Naphthalene-d8	10.45	136	1636	0.40	ng	0.00
13) Acenaphthene-d10	14.33	164	1362	0.40	ng	0.01
19) Phenanthrene-d10	17.07	188	4180	0.40	ng	0.01
27) Chrysene-d12	21.24	240	6276	0.40	ng	0.00
34) Perylene-d12	23.67	264	7600	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	507	0.43	ng	0.00
5) Phenol-d6	6.85	99	642	0.42	ng	0.01
8) Nitrobenzene-d5	8.83	82	605	0.37	ng	0.01
11) 2-Methylnaphthalene-d10	12.06	152	1265	0.41	ng	0.01
14) 2,4,6-Tribromophenol	15.84	330	357	0.37	ng	0.01
15) 2-Fluorobiphenyl	12.96	172	2152	0.41	ng	0.01
25) Fluoranthene-d10	19.10	212	24980	0.41	ng	0.00
29) Terphenyl-d14	19.70	244	5499	0.42	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.11	88	182	0.255	ng	90
3) n-Nitrosodimethylamine	3.51	42	71m	0.213	ng	
6) bis(2-Chloroethyl)ether	7.10	93	179	0.141	ng	# 91
9) Naphthalene	10.50	128	3582	0.199	ng	# 94
10) Hexachlorobutadiene	10.76	225	337	0.194	ng	96
12) 2-Methylnaphthalene	12.14	142	555	0.175	ng	95
16) Acenaphthylene	14.05	152	1242	0.190	ng	99
17) Acenaphthene	14.38	154	707	0.191	ng	98
18) Fluorene	15.37	166	1018	0.186	ng	99
20) 4-Bromophenyl-phenylether	16.26	248	492	0.184	ng	# 87
21) Hexachlorobenzene	16.37	284	516	0.186	ng	99
22) Pentachlorophenol	16.79	266	253	0.304	ng	91
23) Phenanthrene	17.11	178	1870	0.185	ng	99
24) Anthracene	17.20	178	1573	0.172	ng	99
26) Fluoranthene	19.13	202	3091	0.192	ng	98
28) Pyrene	19.49	202	3201	0.193	ng	99
30) Benzo(a)anthracene	21.23	228	3722	0.180	ng	98
31) Chrysene	21.28	228	4104	0.198	ng	98
32) Bis(2-ethylhexyl)phthalate	21.15	149	5123	0.118	ng	97
33) Indeno(1,2,3-cd)pyrene	26.22	276	4906	0.179	ng	98
35) Benzo(b)fluoranthene	22.93	252	3841m	0.186	ng	
36) Benzo(k)fluoranthene	22.97	252	4348	0.189	ng	# 95
37) Benzo(a)pyrene	23.56	252	4166	0.202	ng	# 84
38) Dibenzo(a,h)anthracene	26.25	278	3957	0.183	ng	# 91
39) Benzo(g,h,i)perylene	27.01	276	4298	0.194	ng	97

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