

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE060519\
 Data File : BE099810.D
 Acq On : 5 Jun 2019 19:00
 Operator : JU/SJ
 Sample : K2241-02
 Misc : LOO-SIM-0.2PPM
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jun 06 01:40:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE060519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 05 14:35:58 2019
 Response via : Initial Calibration

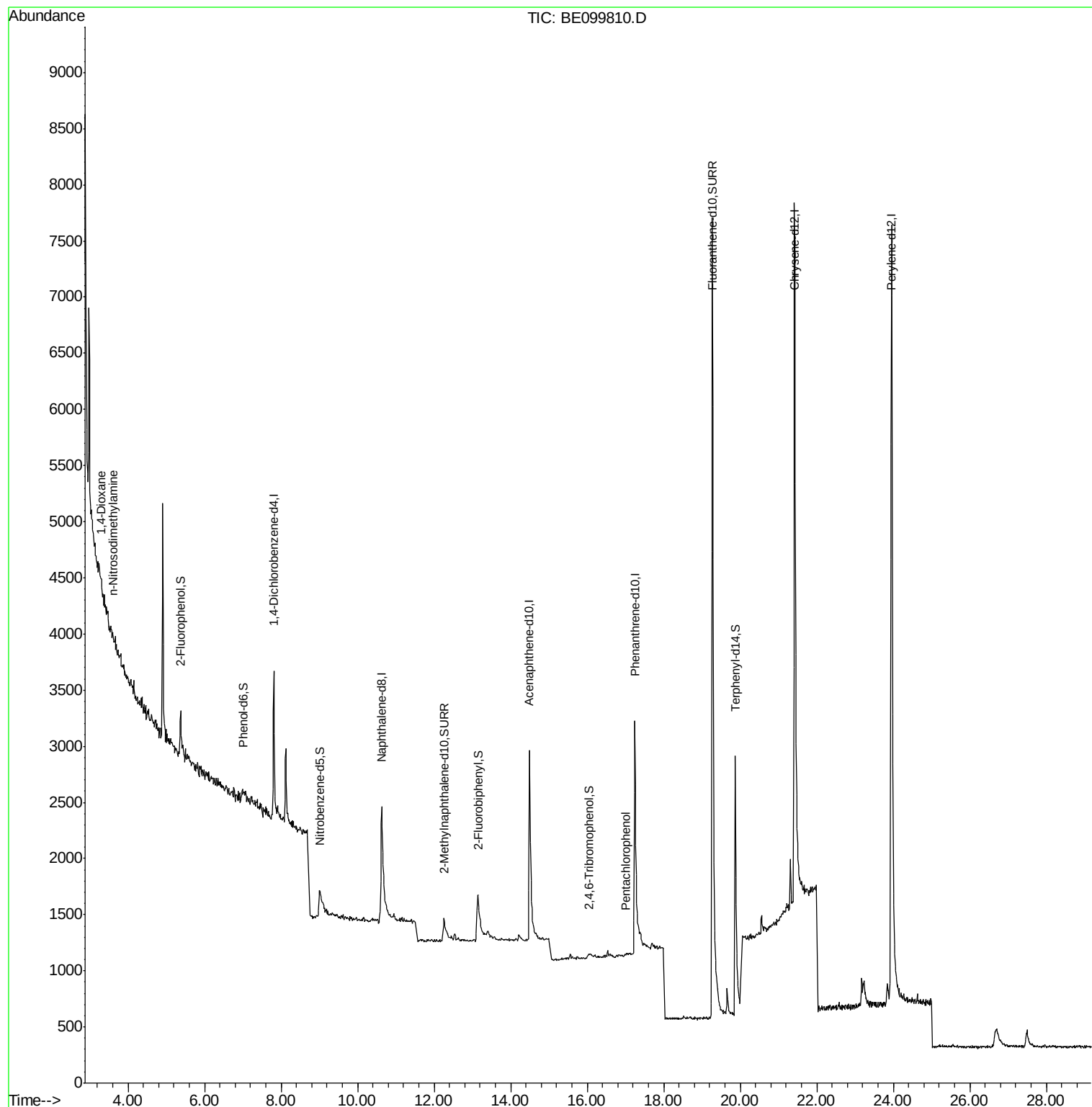
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	851	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	2797	0.40	ng	0.01
13) Acenaphthene-d10	14.49	164	2053	0.40	ng	0.01
19) Phenanthrene-d10	17.24	188	6758	0.40	ng	0.01
27) Chrysene-d12	21.41	240	12426	0.40	ng	0.00
34) Perylene-d12	23.96	264	14636	0.40	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	401	0.19	ng	0.01
5) Phenol-d6	7.01	99	375	0.14	ng	0.05
8) Nitrobenzene-d5	9.00	82	384	0.16	ng	0.04
11) 2-Methylnaphthalene-d10	12.25	152	802	0.17	ng	0.04
14) 2,4,6-Tribromophenol	16.04	330	47	0.17	ng	0.06
15) 2-Fluorobiphenyl	13.15	172	1434	0.19	ng	0.04
25) Fluoranthene-d10	19.27	212	18988	0.19	ng	0.01
29) Terphenyl-d14	19.87	244	4462	0.22	ng	0.01
Target Compounds						
2) 1,4-Dioxane	3.29	88	78	0.063	ng	Qvalue # 30
3) n-Nitrosodimethylamine	3.61	42	32	0.049	ng	# 1
22) Pentachlorophenol	17.00	266	9	0.286	ng	92

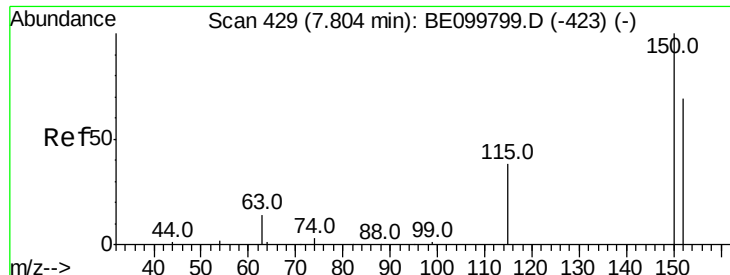
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.81 min Scan# 429

Delta R.T. 0.00 min

Lab File: BE099810.D

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Instrument :

BNA_E

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LOQ-SOIL-02-QT2-2019

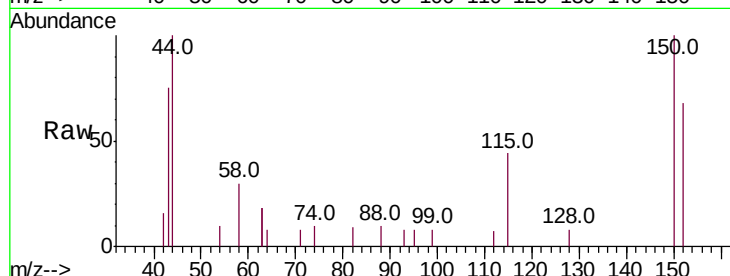
Tot Ion:152 Resp: 851

Ion Ratio Lower Upper

152 100

150 145.6 112.8 169.2

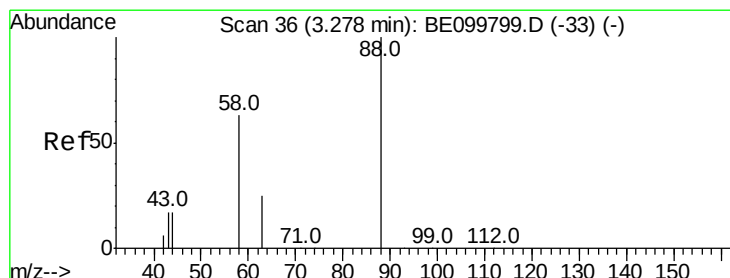
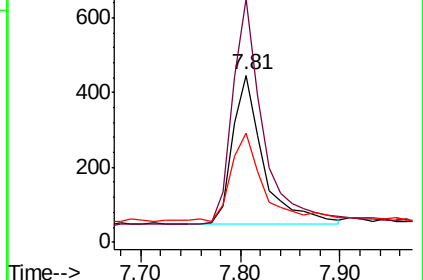
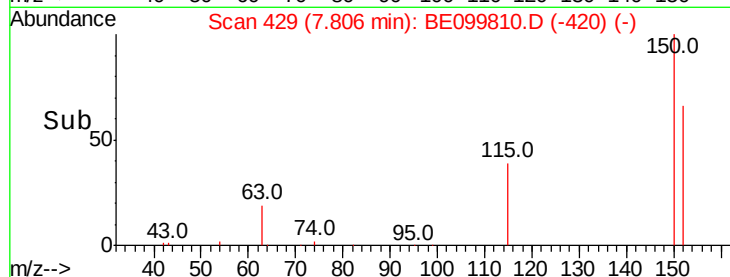
115 65.1 47.6 71.4



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: 0.063 ng

RT: 3.29 min Scan# 37

Delta R.T. 0.01 min

Lab File: BE099810.D

Acq: 5 Jun 2019 19:00

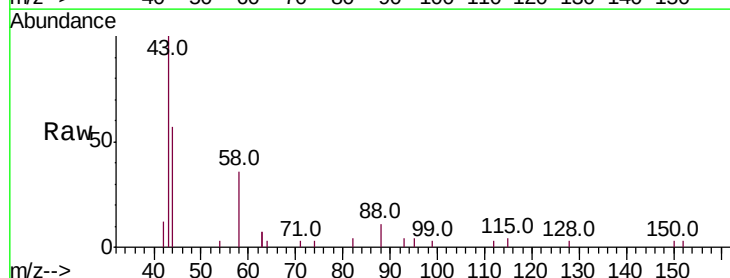
Tgt Ion: 88 Resp: 78

Ion Ratio Lower Upper

88 100

58 0.0 47.3 70.9#

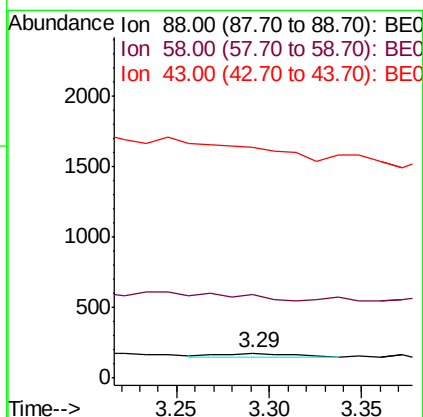
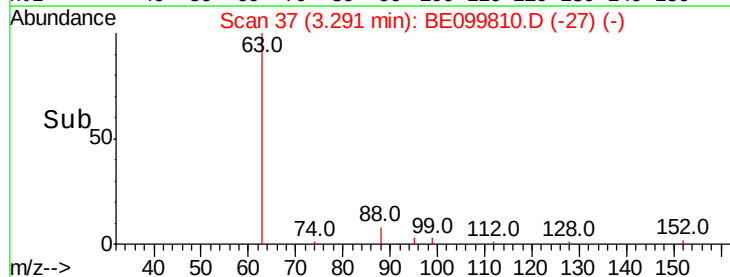
43 0.0 18.2 27.4#

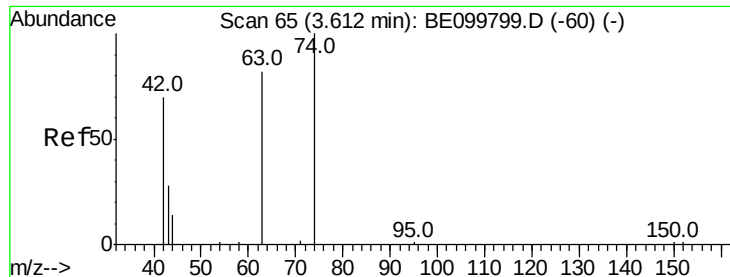


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.049 ng

RT: 3.61 min Scan# 65

Delta R.T. 0.00 min

Lab File: BE099810.D

Acq: 5 Jun 2019 19:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019

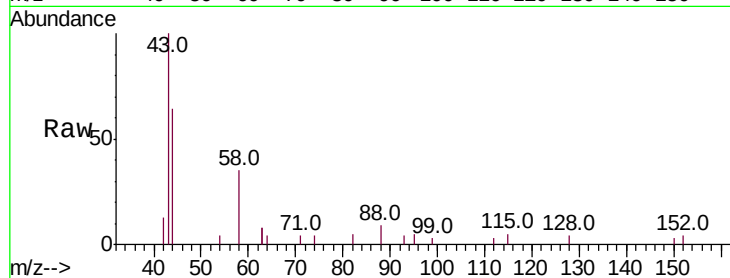
Tot Ion: 42 Resp: 32

Ion Ratio Lower Upper

42 100

74 0.0 132.6 198.8#

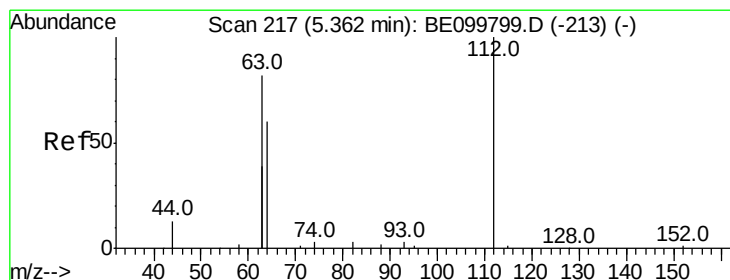
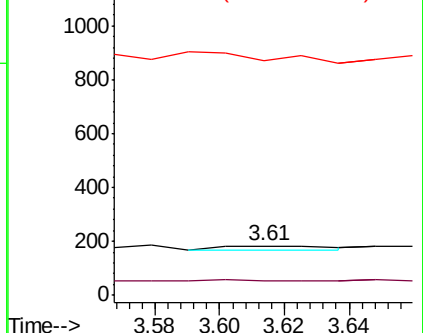
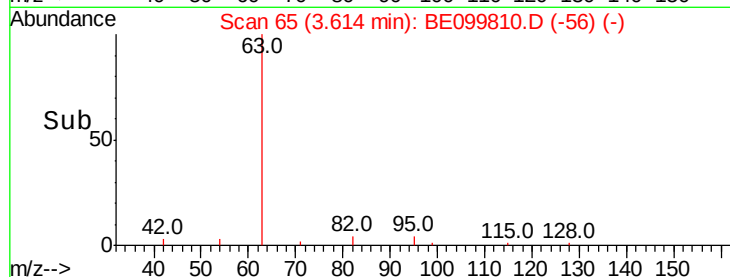
44 0.0 13.4 20.0#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



#4

2-Fluorophenol

Concen: 0.194 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.01 min

Lab File: BE099810.D

Acq: 5 Jun 2019 19:00

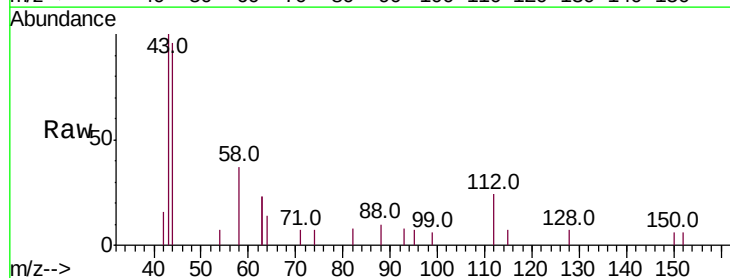
Tgt Ion: 112 Resp: 401

Ion Ratio Lower Upper

112 100

64 48.6 47.2 70.8

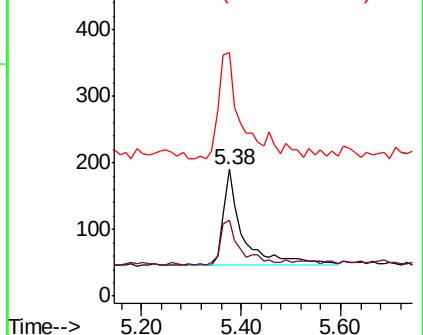
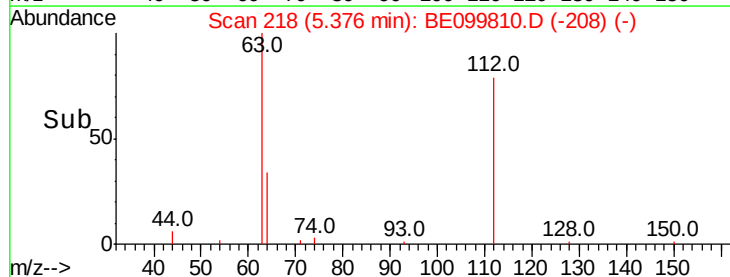
63 113.5 90.7 136.1

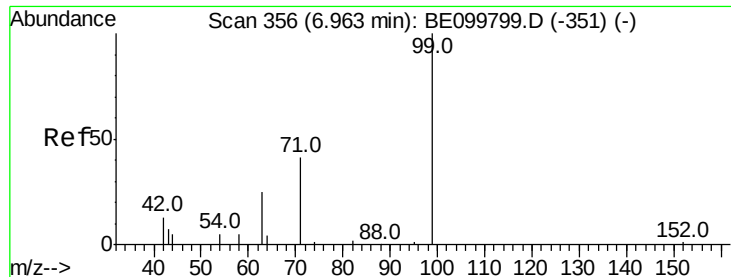


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.141 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.05 min

Lab File: BE099810.D

Acq: 5 Jun 2019 19:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019

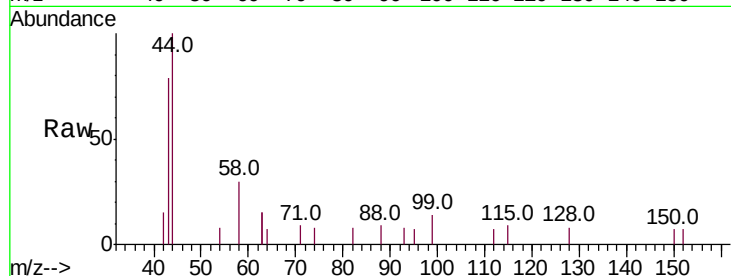
Tot Ion: 99 Resp: 375

Ion Ratio Lower Upper

99 100

42 0.0 11.0 16.4#

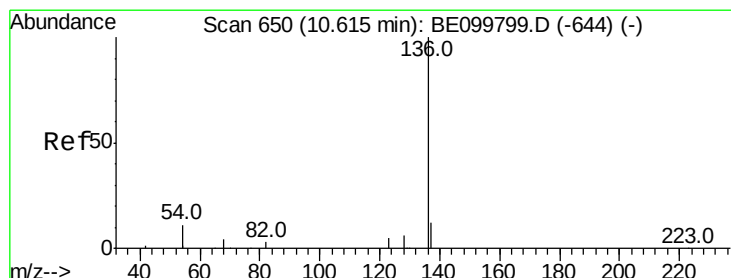
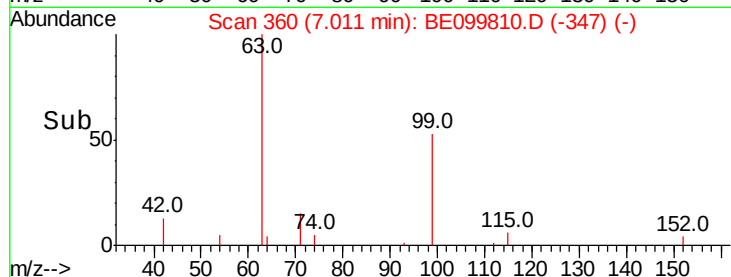
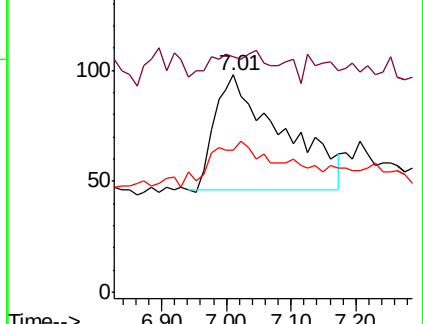
71 32.0 26.1 39.1



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.63 min Scan# 651

Delta R.T. 0.01 min

Lab File: BE099810.D

Acq: 5 Jun 2019 19:00

Tgt Ion:136 Resp: 2797

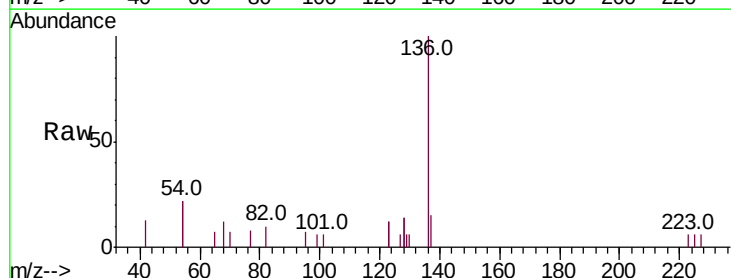
Ion Ratio Lower Upper

136 100

137 15.2 11.1 16.7

54 44.2 17.9 26.9#

68 12.5 5.4 8.0#

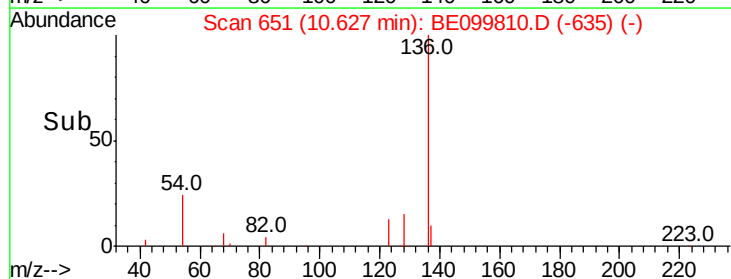
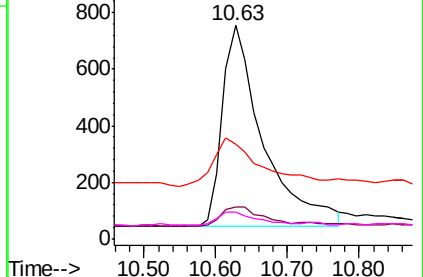


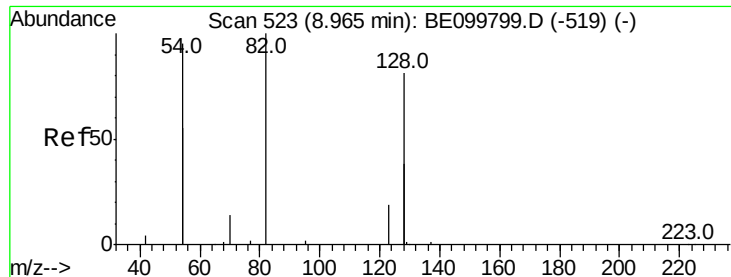
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.156 ng

RT: 9.00 min Scan# 526

Delta R.T. 0.04 min

Lab File: BE099810.D

Acq: 5 Jun 2019 19:00

Instrument :

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LOQ-SOIL-02-QT2-2019

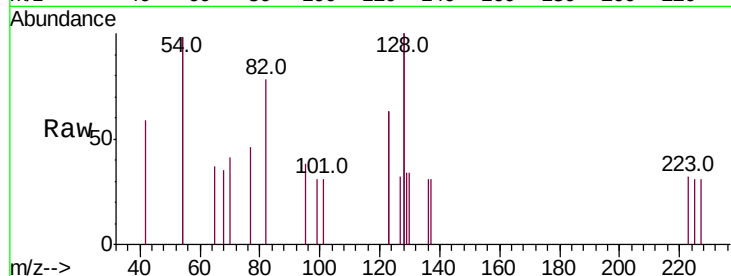
Tot Ion: 82 Resp: 384

Ion Ratio Lower Upper

82 100

128 255.7 116.6 175.0#

54 250.4 136.2 204.4#



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

Time-->

8.90 9.00 9.10

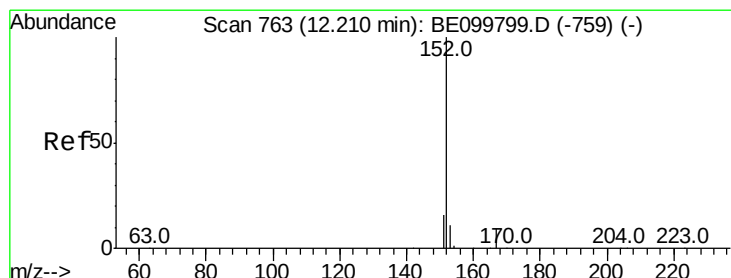
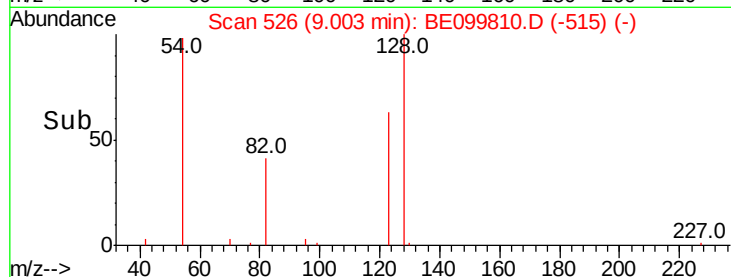
9.00

100

200

300

400



#11

2-Methylnaphthalene-d10

Concen: 0.167 ng

RT: 12.25 min Scan# 766

Delta R.T. 0.04 min

Lab File: BE099810.D

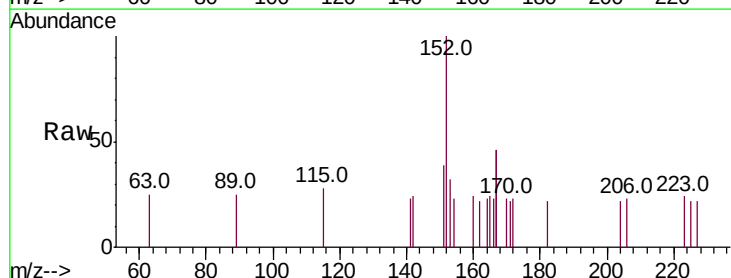
Acq: 5 Jun 2019 19:00

Tgt Ion: 152 Resp: 802

Ion Ratio Lower Upper

152 100

151 17.8 15.8 23.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Time-->

12.20 12.25 12.30

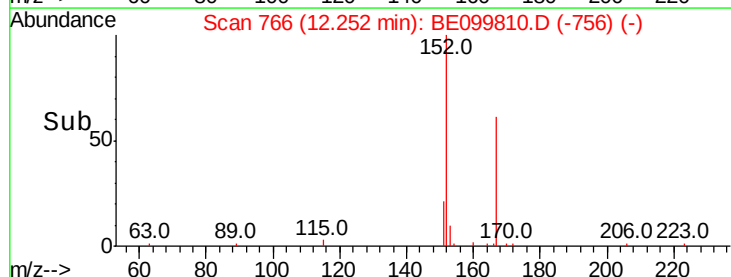
12.25

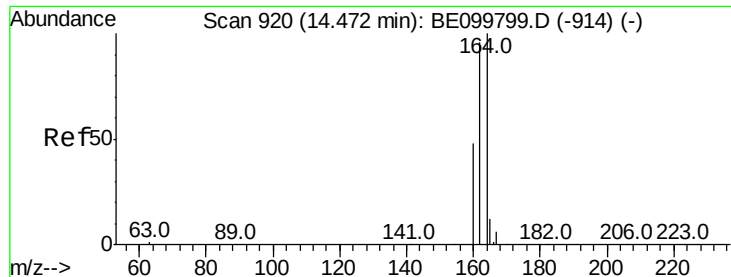
50

100

150

200

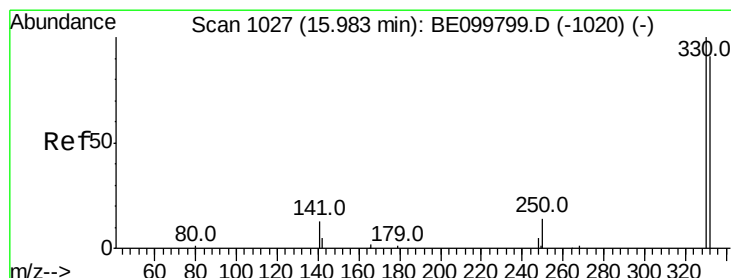
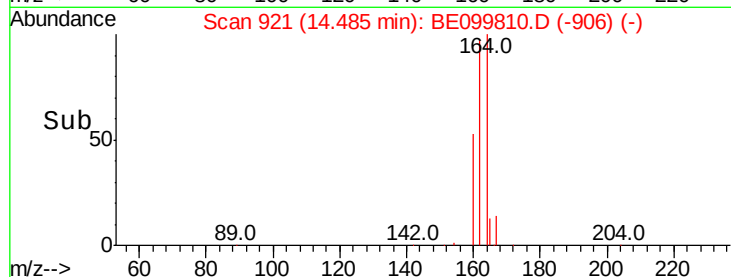
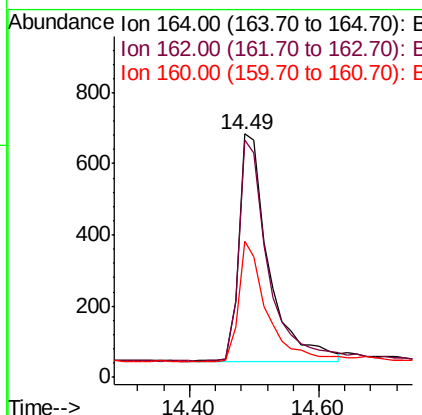
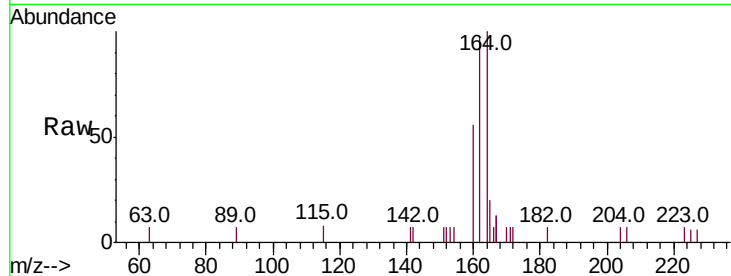




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.49 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: BE099810.D
 Acq: 5 Jun 2019 19:00

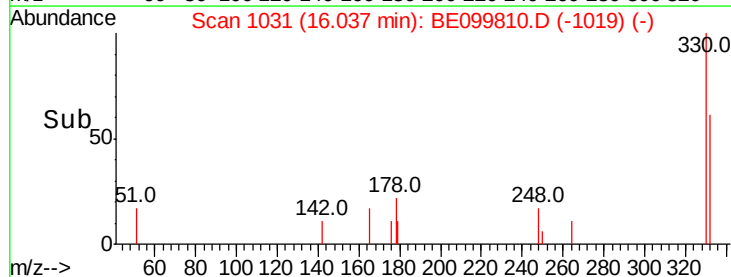
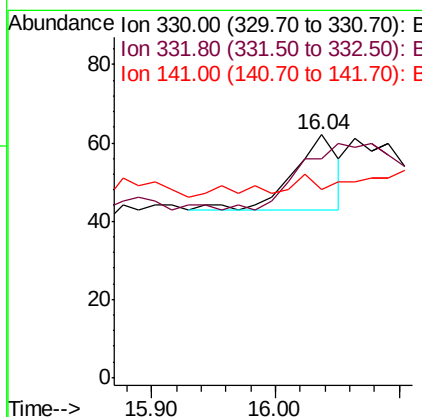
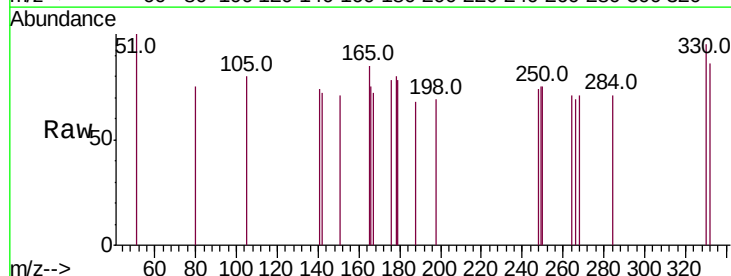
Instrument :
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 LOQ-SOIL-02-QT2-2019

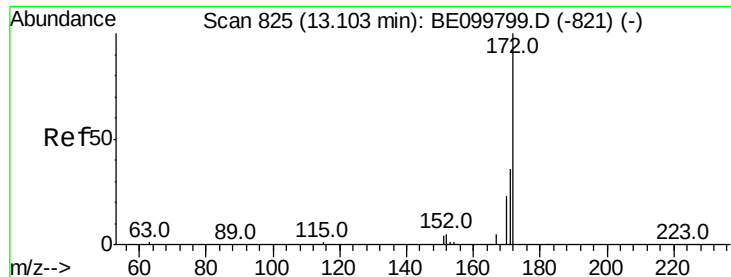
Tot Ion:164 Resp: 2053
 Ion Ratio Lower Upper
 164 100
 162 97.4 77.2 115.8
 160 56.0 39.4 59.2



#14
 2,4,6-Tribromophenol
 Concen: 0.172 ng
 RT: 16.04 min Scan# 1031
 Delta R.T. 0.06 min
 Lab File: BE099810.D
 Acq: 5 Jun 2019 19:00

Tgt Ion:330 Resp: 47
 Ion Ratio Lower Upper
 330 100
 332 0.0 74.9 112.3#
 141 12.8 16.0 24.0#

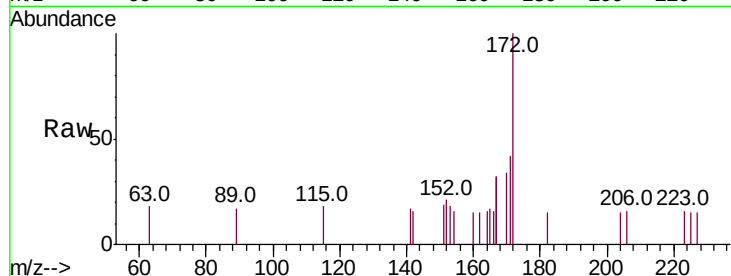




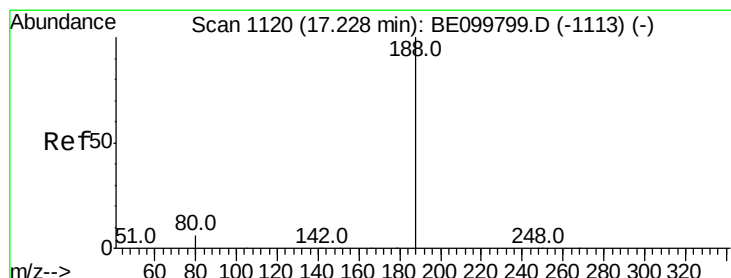
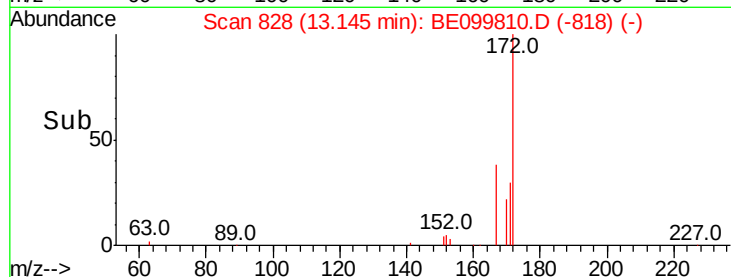
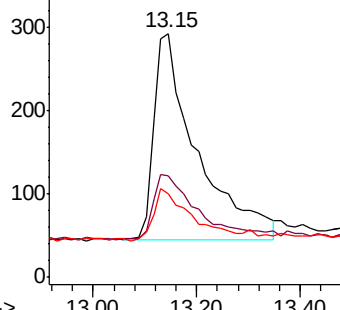
#15
2-Fluorobiphenyl
Concen: 0.188 ng
RT: 13.15 min Scan# 828
Delta R.T. 0.04 min
Lab File: BE099810.D
Acq: 5 Jun 2019 19:00

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

Tot Ion:172 Resp: 1434
Ion Ratio Lower Upper
172 100
171 41.6 30.2 45.4
170 34.5 20.1 30.1#

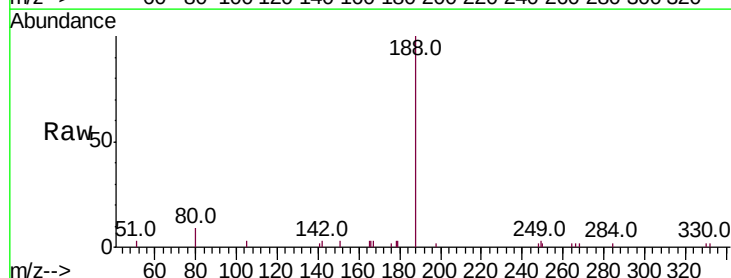


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

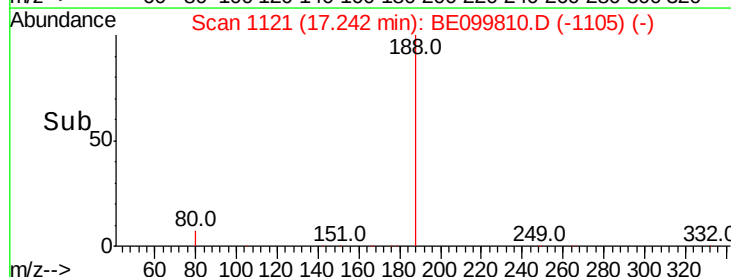
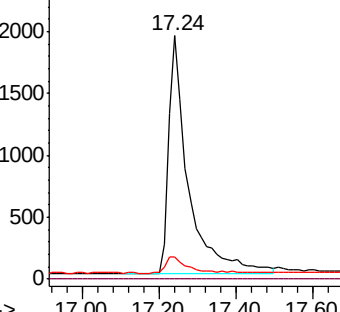


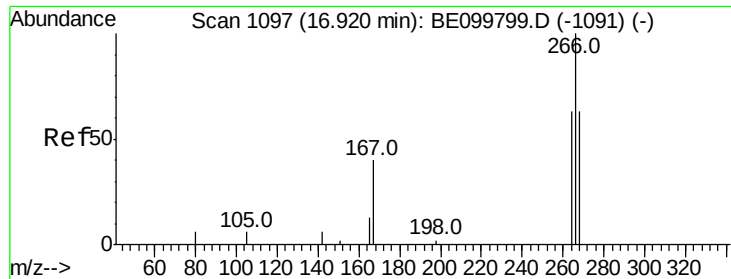
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE099810.D
Acq: 5 Jun 2019 19:00

Tgt Ion:188 Resp: 6758
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.3 5.2 7.8#



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

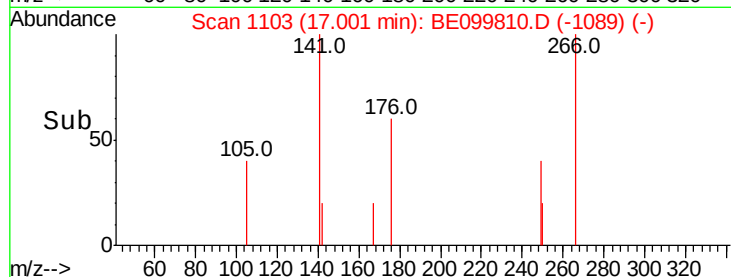
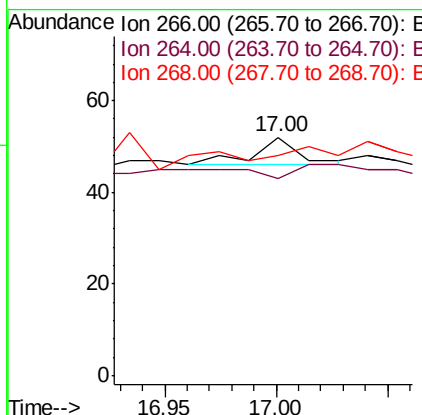
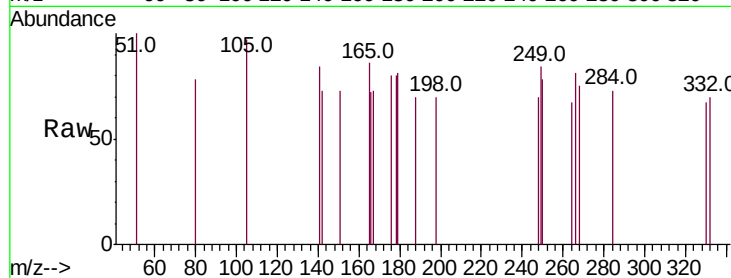




#22
 Pentachlorophenol
 Concen: 0.286 ng
 RT: 17.00 min Scan# 1103
 Delta R.T. 0.08 min
 Lab File: BE099810.D
 Acq: 5 Jun 2019 19:00

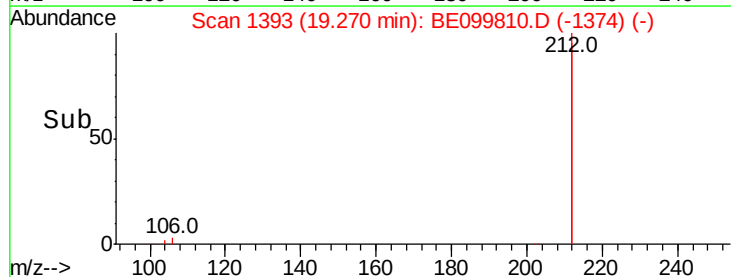
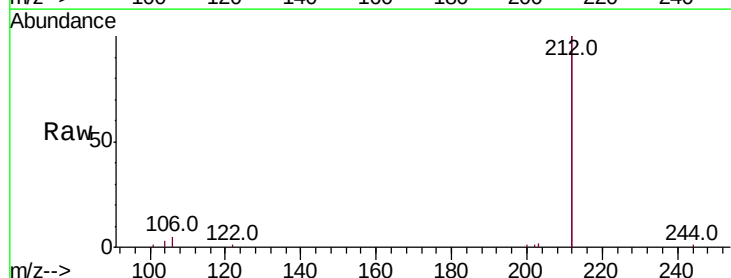
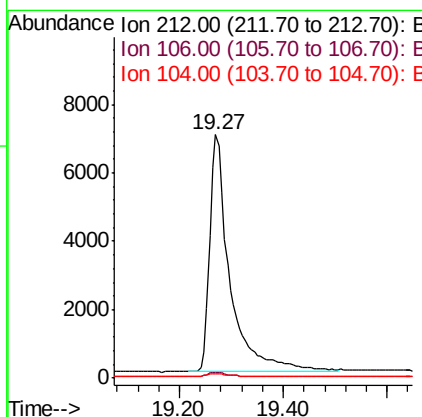
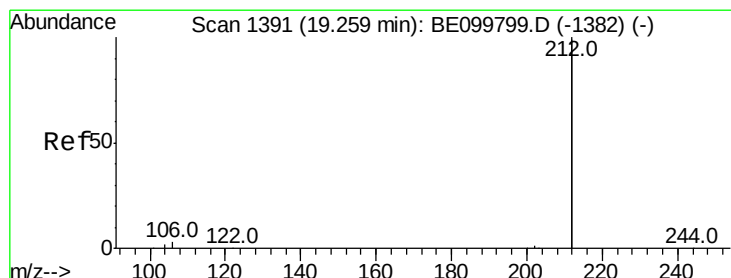
Instrument :
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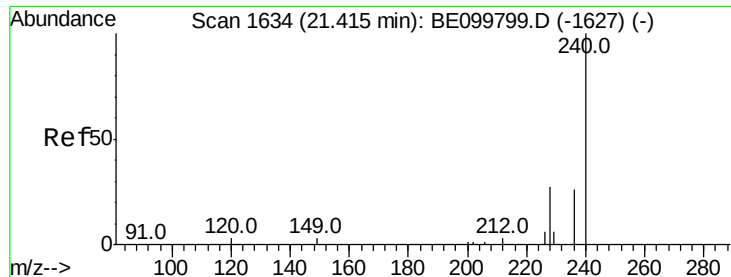
Tot Ion:266 Resp: 9
 Ion Ratio Lower Upper
 266 100
 264 82.7 64.9 97.3
 268 92.3 64.0 96.0



#25
 Fluoranthene-d10
 Concen: 0.189 ng
 RT: 19.27 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: BE099810.D
 Acq: 5 Jun 2019 19:00

Tgt Ion:212 Resp: 18988
 Ion Ratio Lower Upper
 212 100
 106 1.7 1.4 2.0
 104 1.0 0.8 1.2

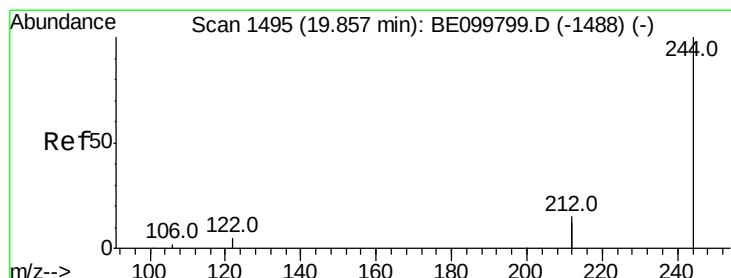
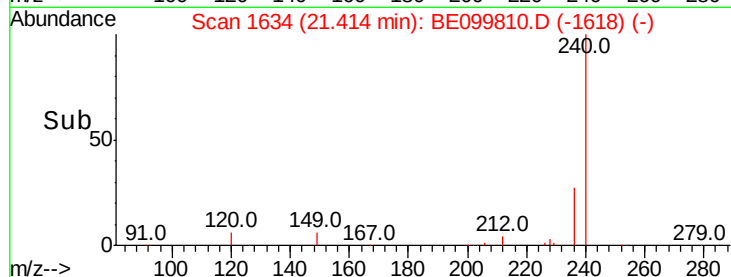
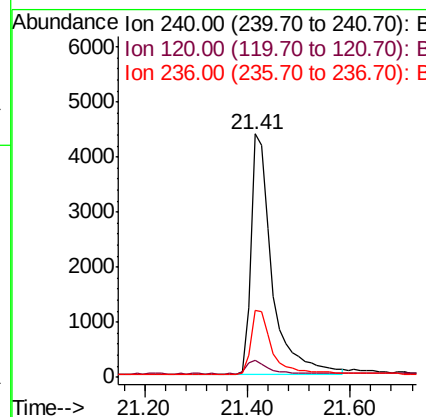
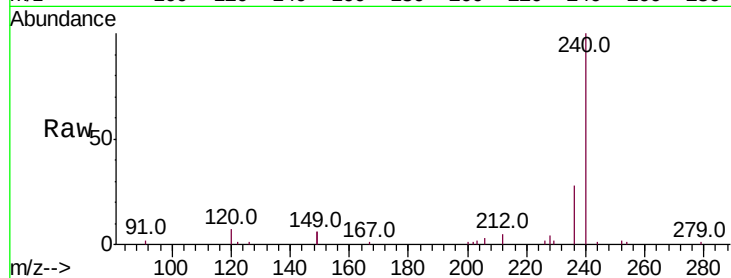




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.41 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: BE099810.D
 Acq: 5 Jun 2019 19:00

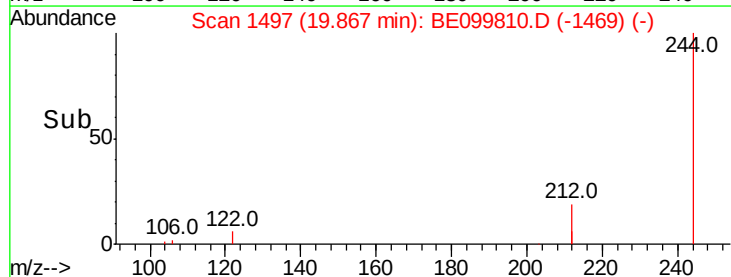
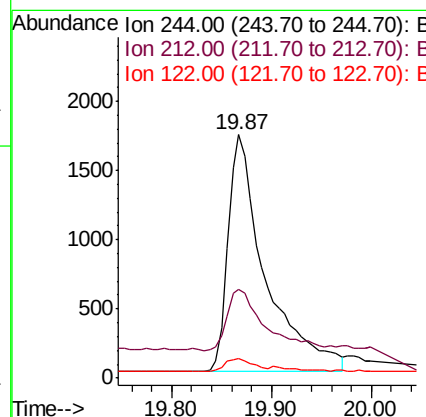
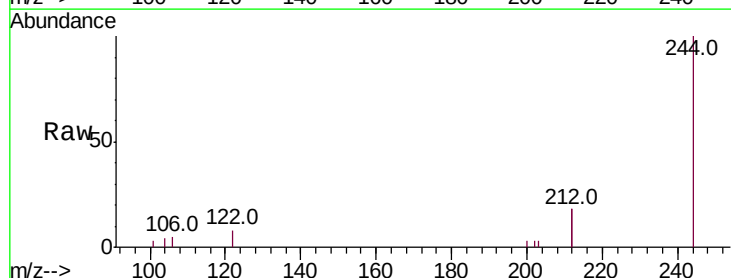
Instrument :
 BNA_E
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

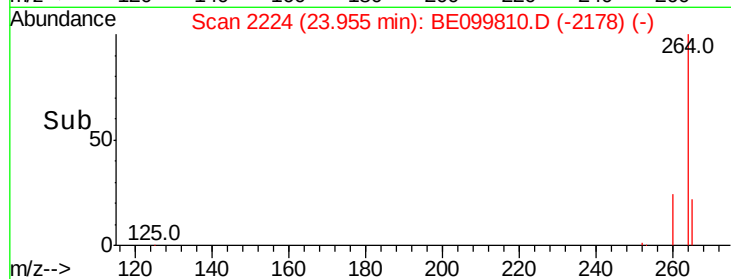
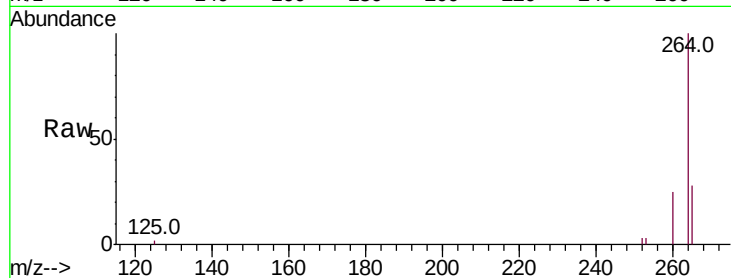
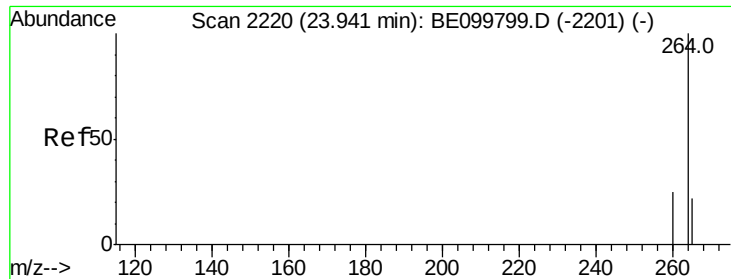
Tot Ion:240 Resp: 12426
 Ion Ratio Lower Upper
 240 100
 120 7.1 2.8 4.2#
 236 27.6 20.9 31.3



#29
 Terphenyl-d14
 Concen: 0.219 ng
 RT: 19.87 min Scan# 1497
 Delta R.T. 0.01 min
 Lab File: BE099810.D
 Acq: 5 Jun 2019 19:00

Tgt Ion:244 Resp: 4462
 Ion Ratio Lower Upper
 244 100
 212 36.5 23.7 35.5#
 122 8.1 4.8 7.2#





#34

Pervlone-d12

Concen: 0.400 ng

RT: 23.96 min Scan# 2224

Delta R.T. 0.01 min

Lab File: BE099810.D

Acq: 5 Jun 2019 19:00

Instrument :

BNA_E

ClientSampleId :

LOQ-SOIL-02-QT2-2019

Tot Ion:264 Resp: 14636

Ion Ratio Lower Upper

264 100

260 25.1 20.0 30.0

265 27.9 20.7 31.1

