

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032619\
 Data File : BF113294.D
 Acq On : 26 Mar 2019 16:29
 Operator : JU/SJ
 Sample : K1560-01
 Misc : 16PPM LOD
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

Quant Time: Mar 27 09:03:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	157761	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	556666	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	304392	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	611930	20.00	ng	0.00
76) Chrysene-d12	13.84	240	551719	20.00	ng	0.00
87) Perylene-d12	15.24	264	552966	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	1166264	120.88	ng	0.00
7) Phenol-d6	6.35	99	1446713	118.53	ng	0.00
23) Nitrobenzene-d5	7.27	82	879691	93.80	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	466440	124.06	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1539186	77.75	ng	0.00
79) Terphenyl-d14	12.79	244	1886201	75.36	ng	0.00

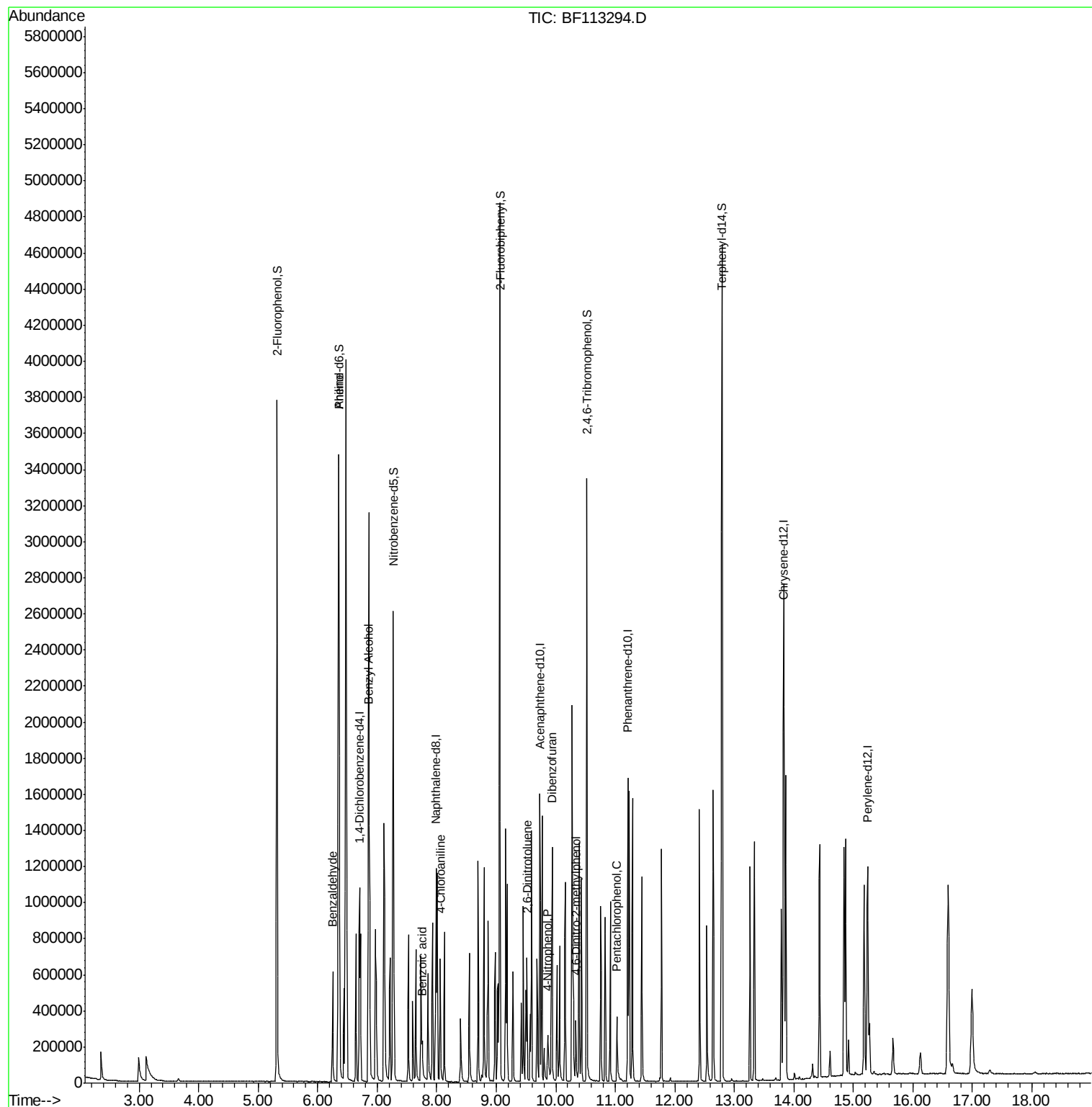
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	6.36	93	240739	16.196	ng	89
9) Benzaldehyde	6.25	77	137979	16.846	ng	98
15) Benzyl Alcohol	6.85	79	141250	17.542	ng	98
32) Benzoic acid	7.76	122	90753	15.151	ng	97
33) 4-Chloroaniline	8.06	127	201198	18.967	ng	100
51) 2,6-Dinitrotoluene	9.52	165	87952	17.283	ng	90
55) Dibenzofuran	9.94	168	508719	18.986	ng	97
56) 4-Nitrophenol	9.86	139	65705	16.059	ng	93
65) 4,6-Dinitro-2-methylphenol	10.33	198	52234	15.604	ng	91
70) Pentachlorophenol	11.03	266	63571	15.761	ng	97

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

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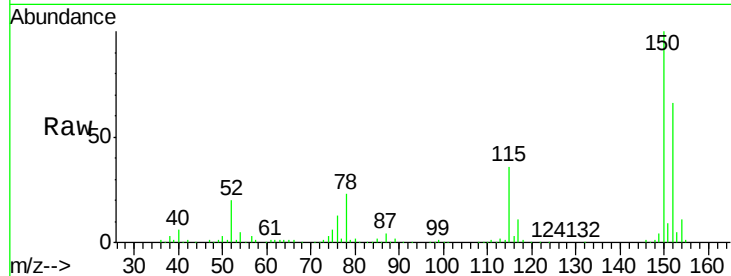


#1

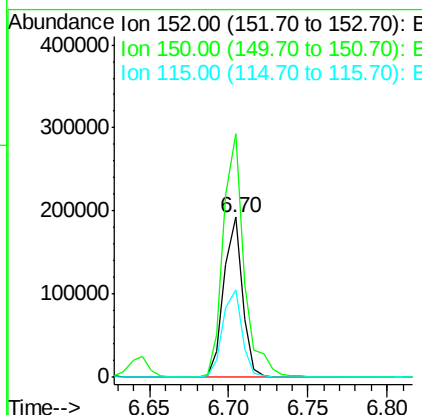
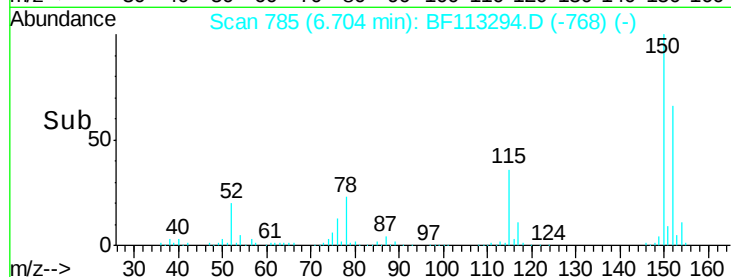
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:152 Resp: 157761
Ion Ratio Lower Upper
152 100
150 152.0 124.7 187.1
115 54.9 46.0 69.0



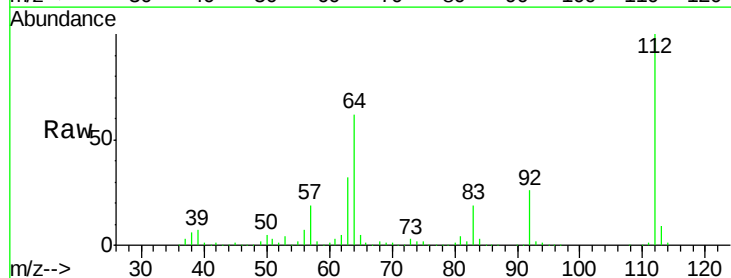
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



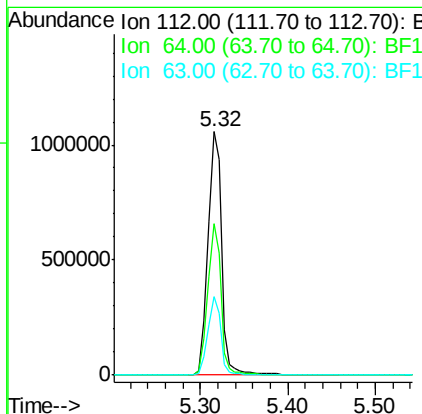
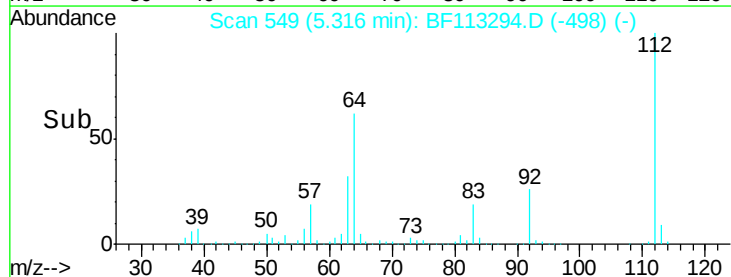
#5

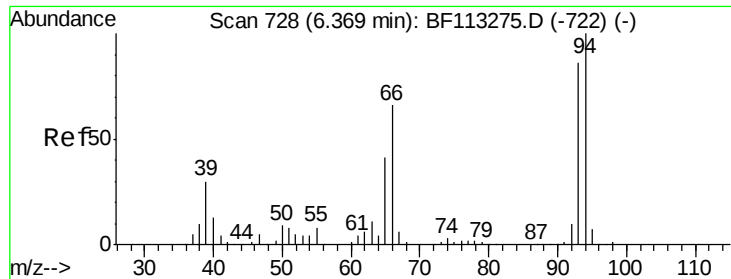
2-Fluorophenol
Concen: 120.878 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion:112 Resp: 1166264
Ion Ratio Lower Upper
112 100
64 62.4 49.2 73.8
63 32.1 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#6

Aniline

Concen: 16.196 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

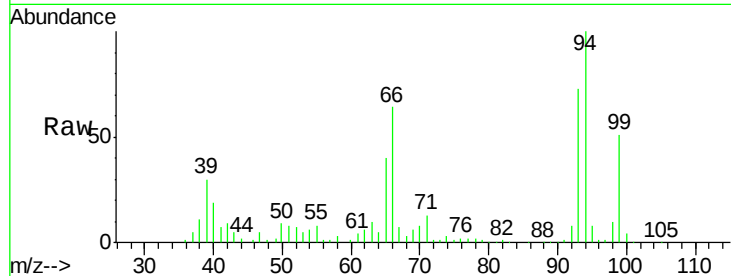
Tgt Ion: 93 Resp: 240739

Ion Ratio Lower Upper

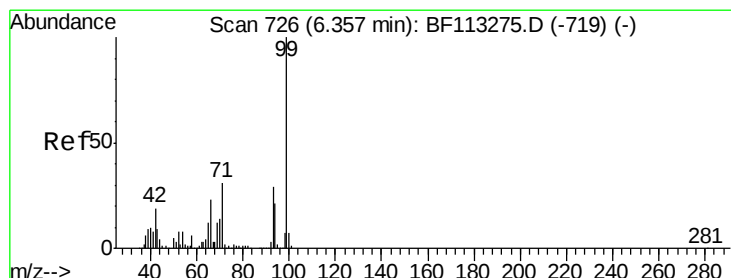
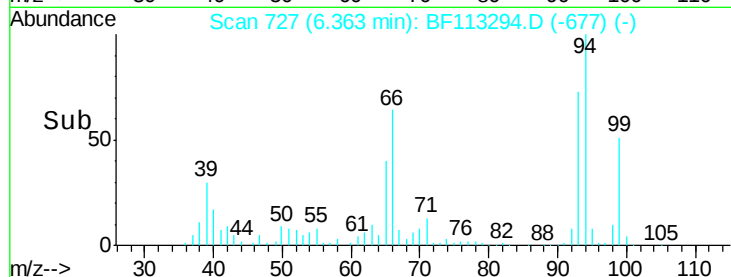
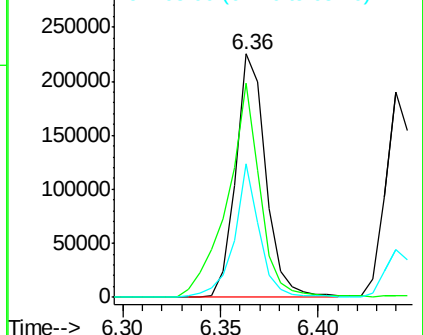
93 100

66 88.1 62.1 93.1

65 54.6 38.7 58.1



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1



#7

Phenol-d6

Concen: 118.529 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

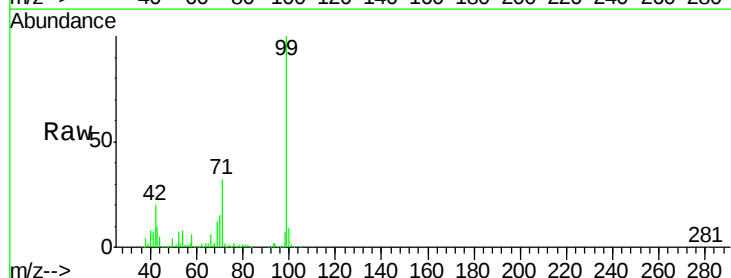
Tgt Ion: 99 Resp: 1446713

Ion Ratio Lower Upper

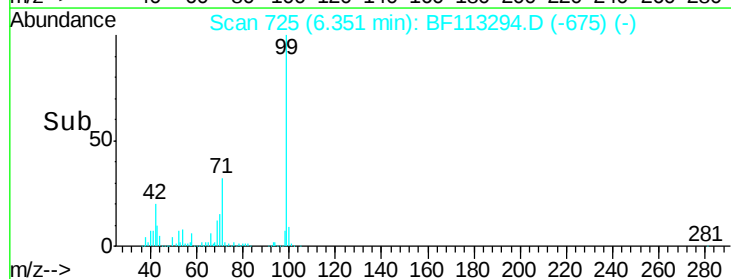
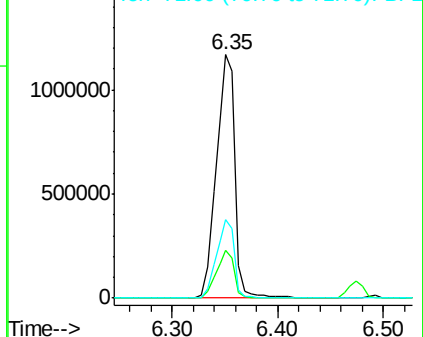
99 100

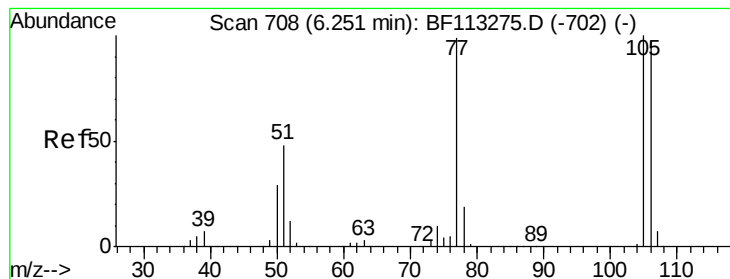
42 19.6 14.8 22.2

71 32.3 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1





#9

Benzaldehyde

Concen: 16.846 ng

RT: 6.25 min Scan# 708

Delta R.T. 0.00 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

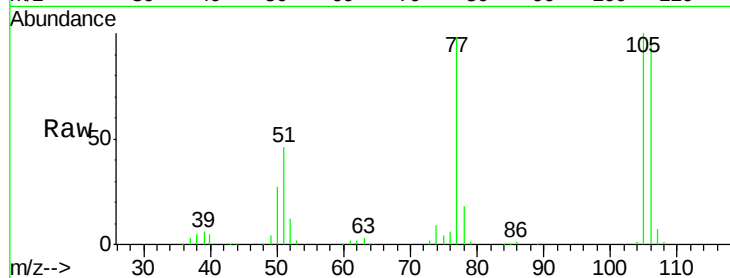
Tgt Ion: 77 Resp: 137979

Ion Ratio Lower Upper

77 100

105 102.3 80.9 120.9

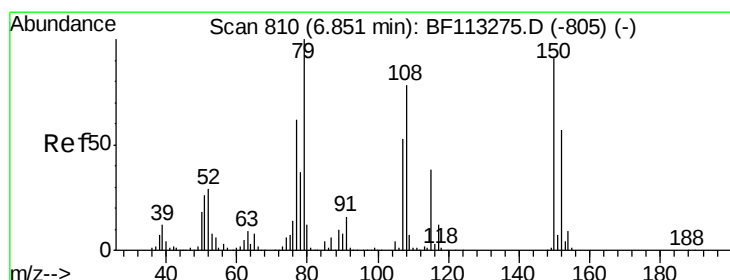
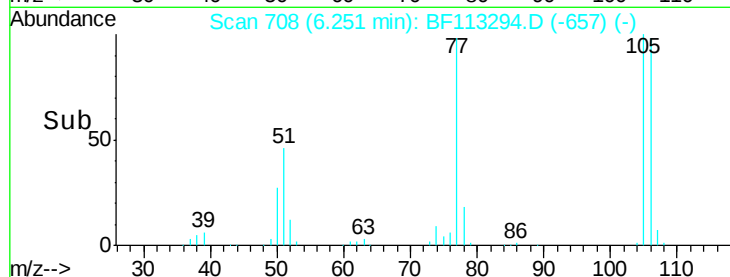
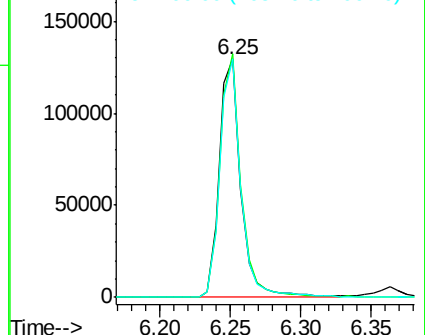
106 100.1 77.8 117.8



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#15

Benzyl Alcohol

Concen: 17.542 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

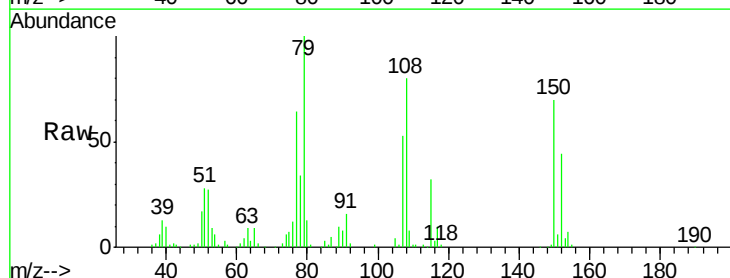
Tgt Ion: 79 Resp: 141250

Ion Ratio Lower Upper

79 100

108 79.5 62.0 93.0

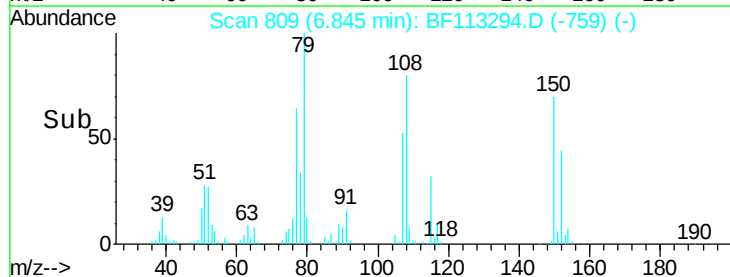
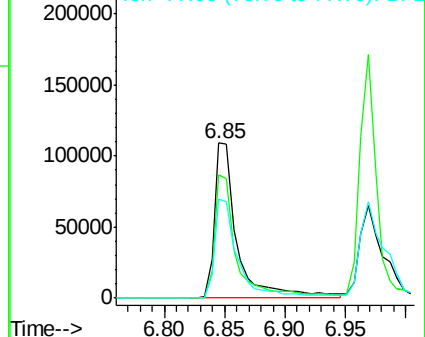
77 64.0 49.9 74.9

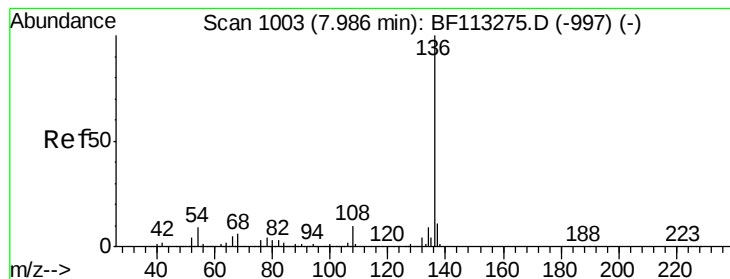


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

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LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:136 Resp: 556666

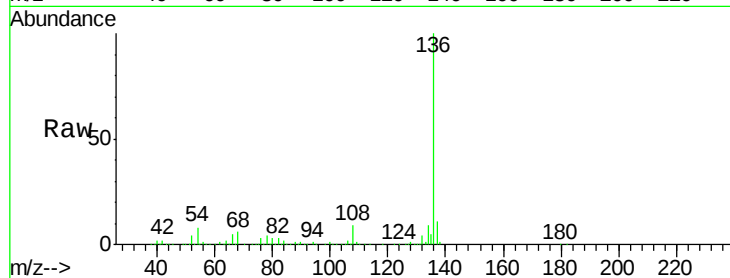
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.6 7.0 10.6

68 5.6 4.8 7.2

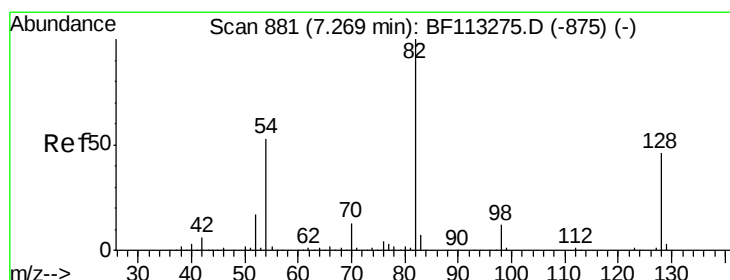
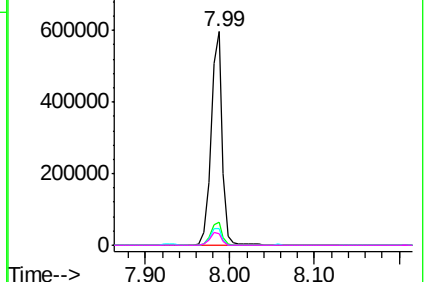
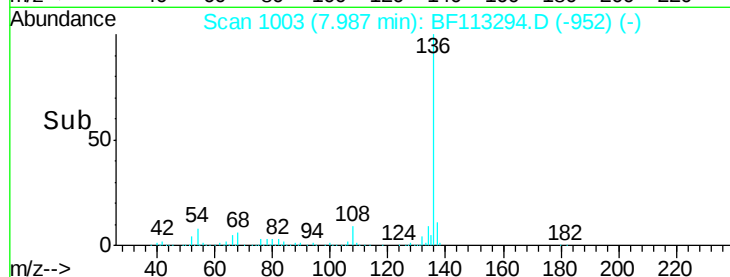


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 93.796 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.00 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

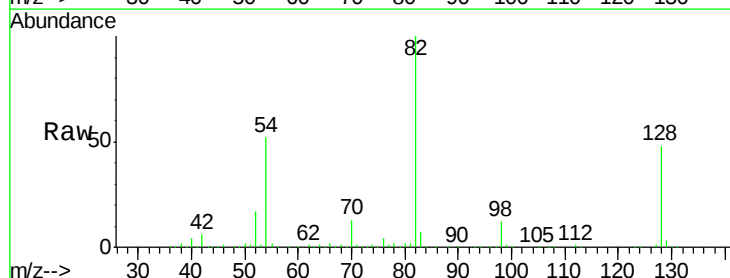
Tgt Ion: 82 Resp: 879691

Ion Ratio Lower Upper

82 100

128 47.9 36.5 54.7

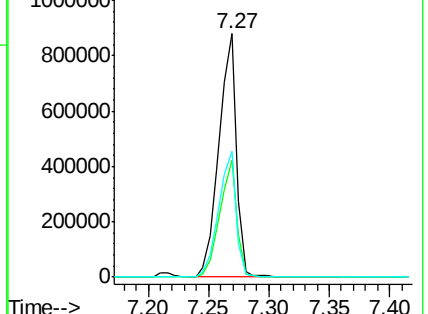
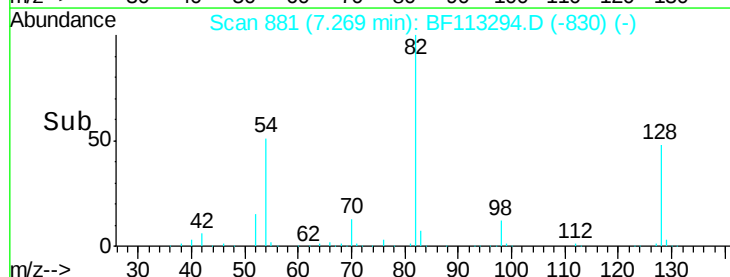
54 51.8 42.2 63.2

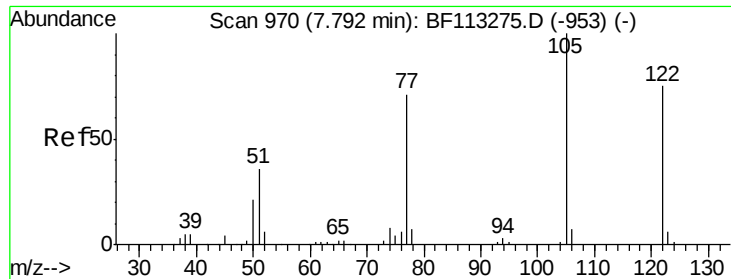


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#32

Benzoic acid

Concen: 15.151 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.03 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

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ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

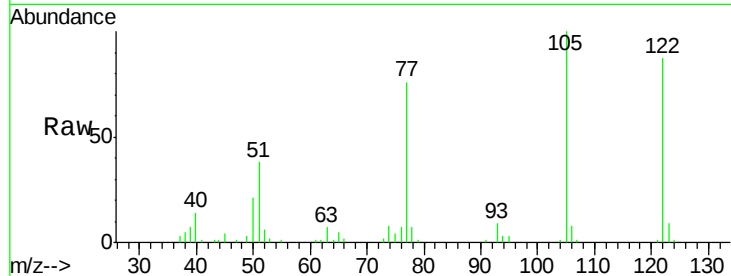
Tgt Ion:122 Resp: 90753

Ion Ratio Lower Upper

122 100

105 115.5 100.4 140.4

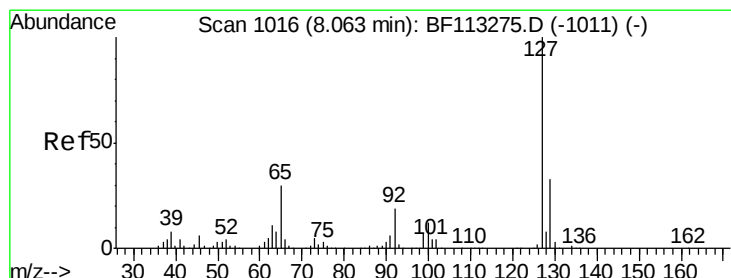
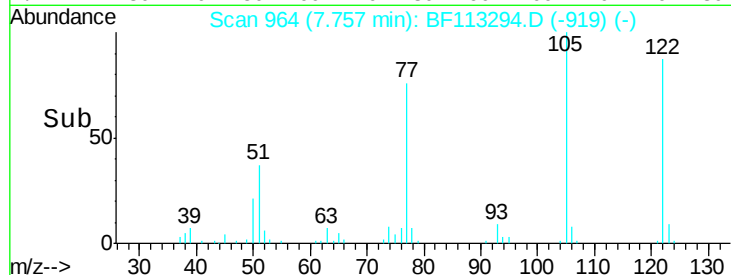
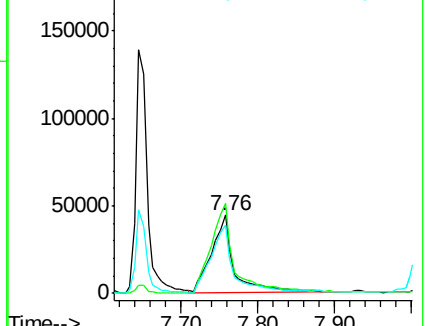
77 87.8 69.0 109.0



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#33

4-Chloroaniline

Concen: 18.967 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Tgt Ion:127 Resp: 201198

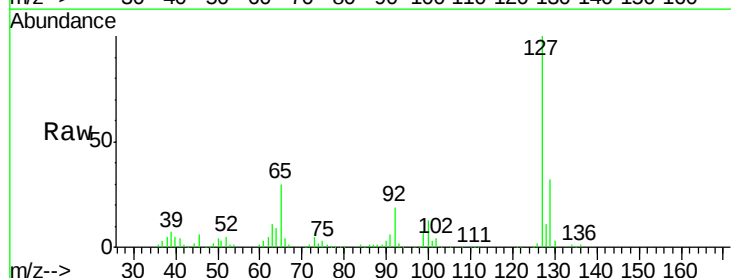
Ion Ratio Lower Upper

127 100

129 32.5 26.3 39.5

65 30.4 24.2 36.4

92 18.8 15.0 22.6

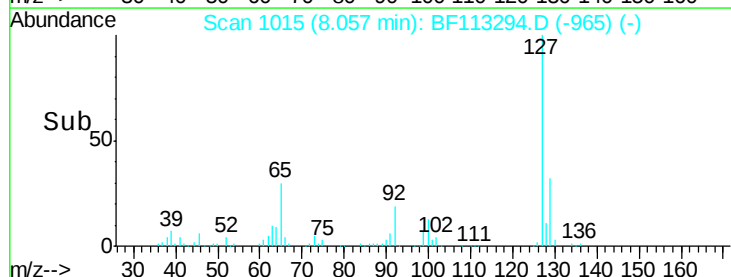
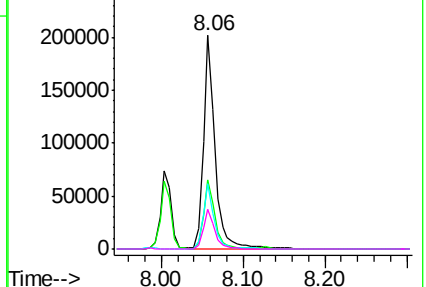


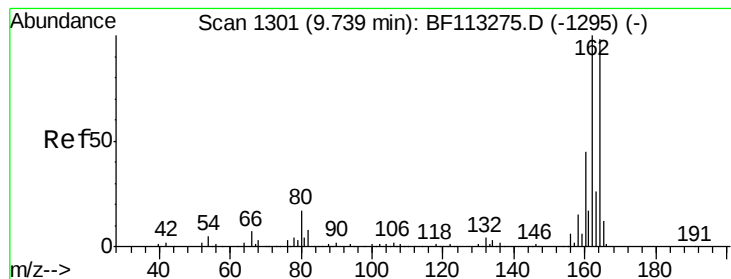
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

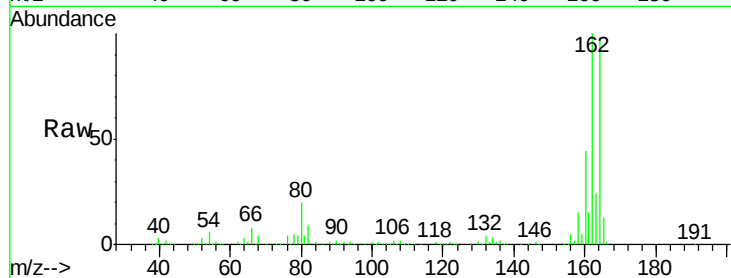
Tgt Ion:164 Resp: 304392

Ion Ratio Lower Upper

164 100

162 101.9 81.8 122.6

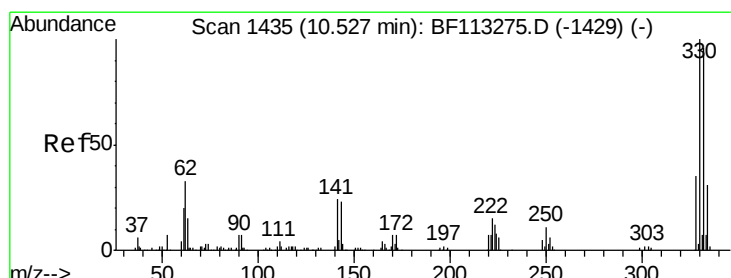
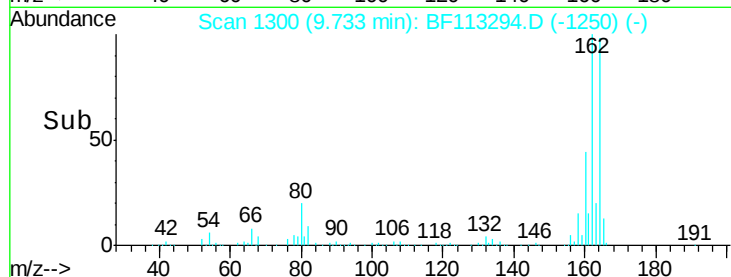
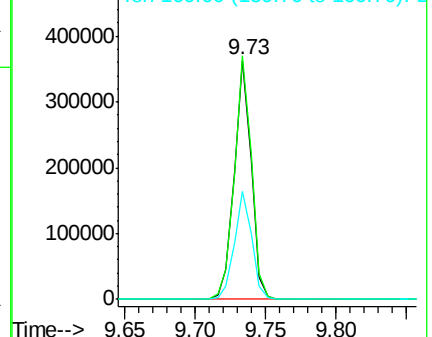
160 44.9 36.4 54.6



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



#42

2,4,6-Tribromophenol

Concen: 124.055 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

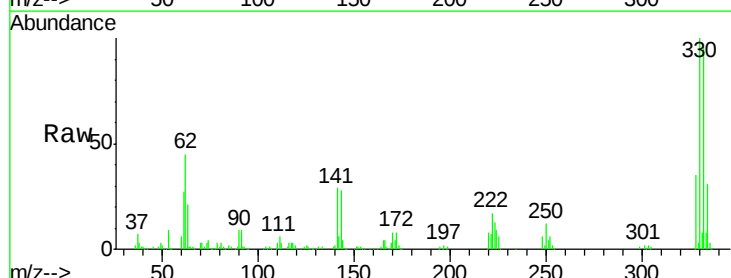
Tgt Ion:330 Resp: 466440

Ion Ratio Lower Upper

330 100

332 95.6 77.8 116.6

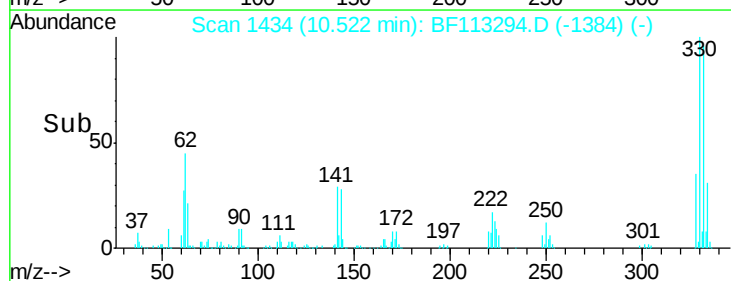
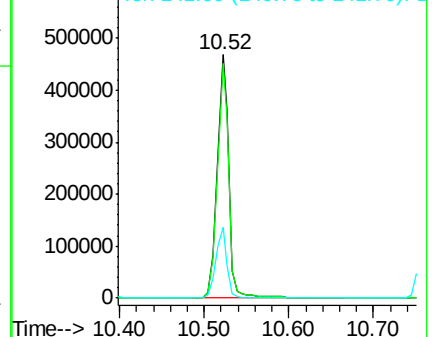
141 27.6 22.7 34.1

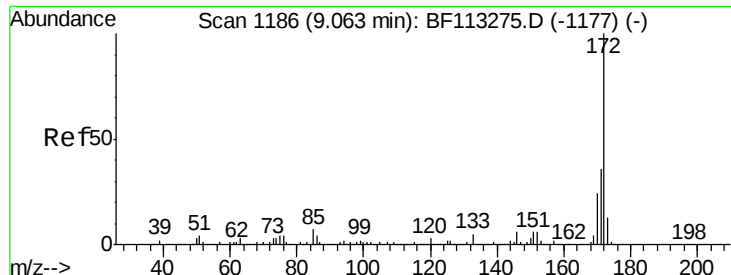


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

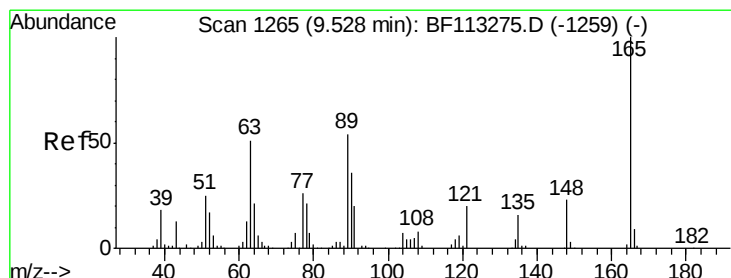
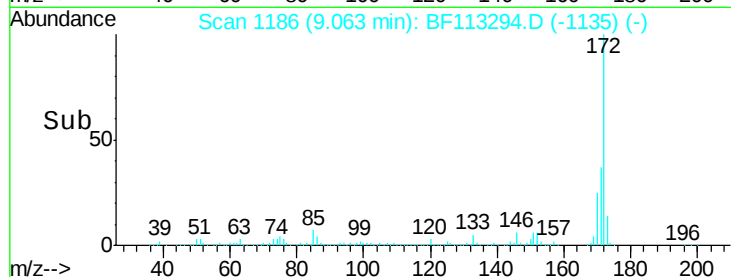
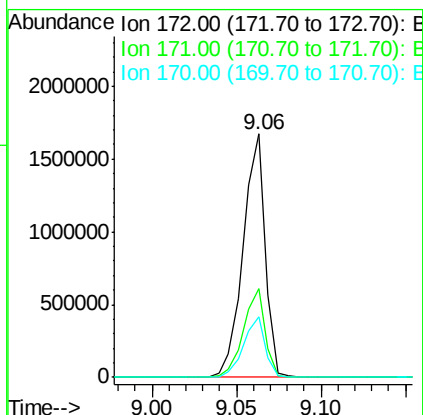
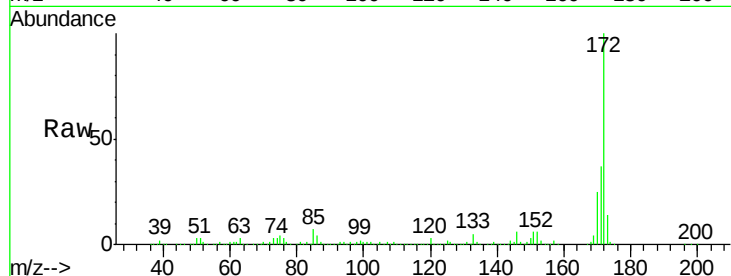




#45
2-Fluorobiphenyl
Concen: 77.751 ng
RT: 9.06 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

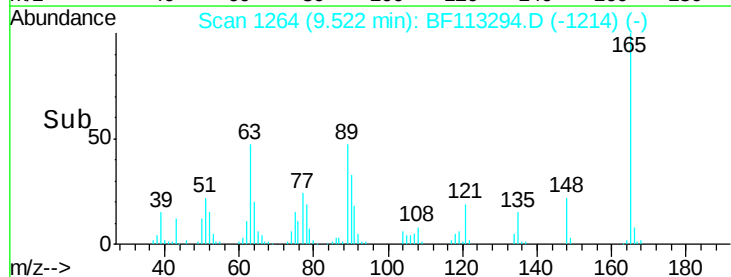
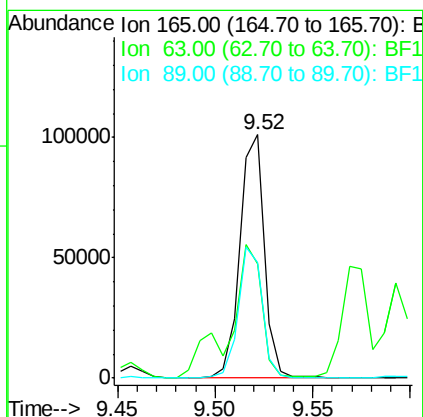
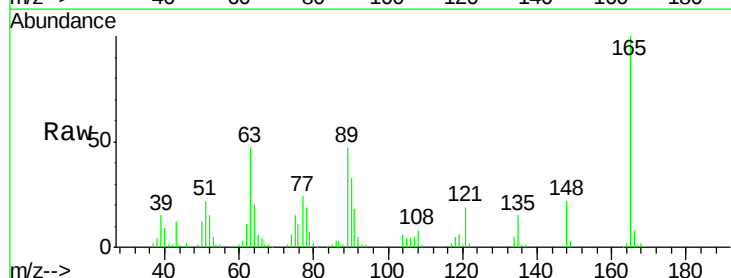
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

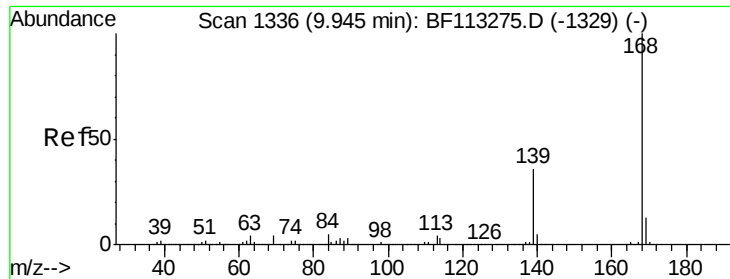
Tgt Ion:172 Resp: 1539186
Ion Ratio Lower Upper
172 100
171 36.5 29.0 43.6
170 24.6 19.5 29.3



#51
2,6-Dinitrotoluene
Concen: 17.283 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion:165 Resp: 87952
Ion Ratio Lower Upper
165 100
63 47.0 43.4 65.0
89 47.4 43.1 64.7

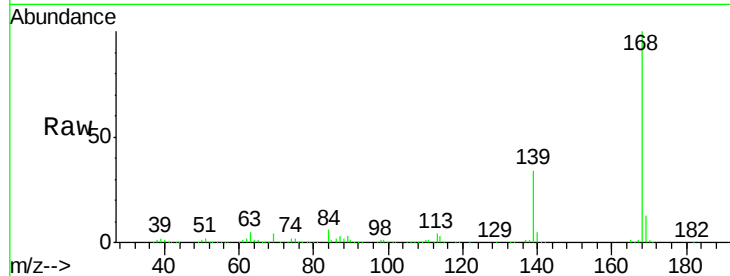




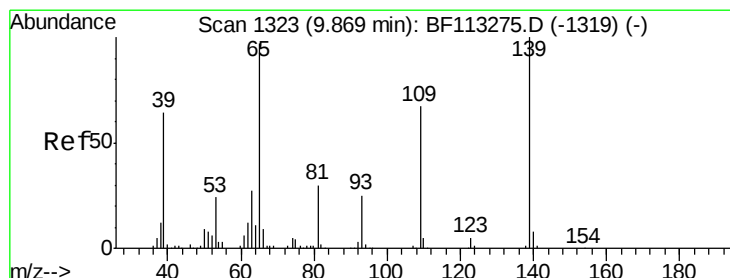
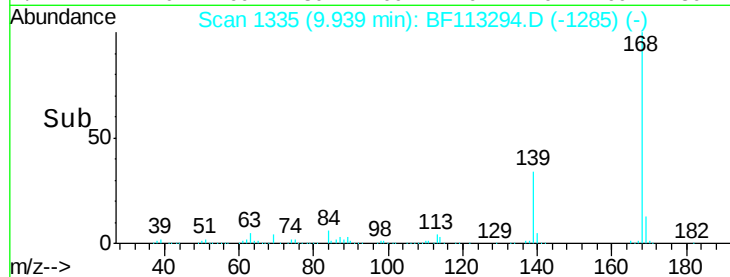
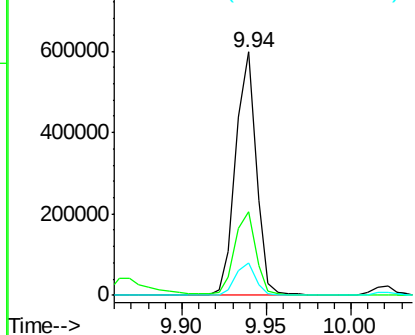
#55
Dibenzenofuran
Concen: 18.986 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2019

Tgt Ion:168 Resp: 508719
Ion Ratio Lower Upper
168 100
139 34.4 29.7 44.5
169 13.5 10.7 16.1

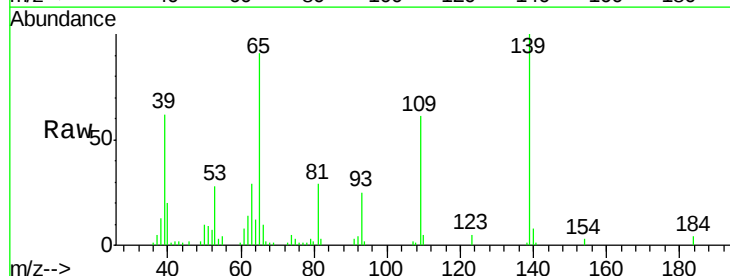


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

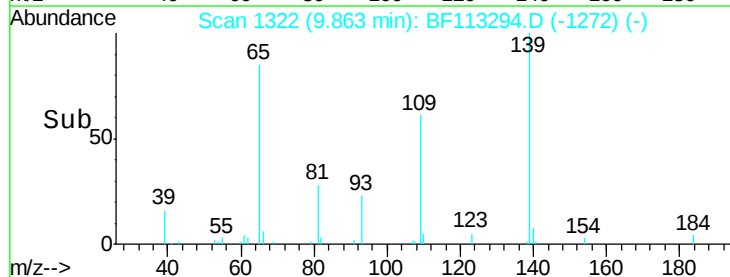
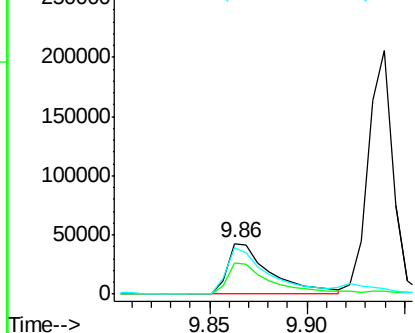


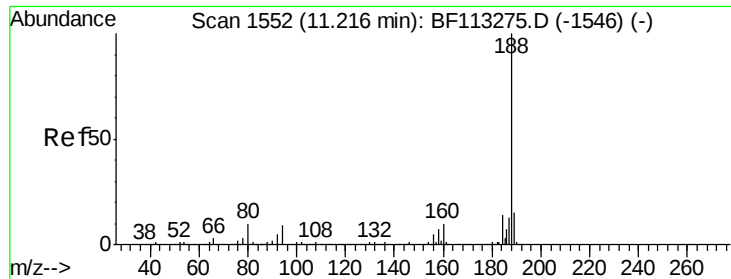
#56
4-Nitrophenol
Concen: 16.059 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF113294.D
Acq: 26 Mar 2019 16:29

Tgt Ion:139 Resp: 65705
Ion Ratio Lower Upper
139 100
109 60.8 46.9 86.9
65 91.5 77.2 117.2



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

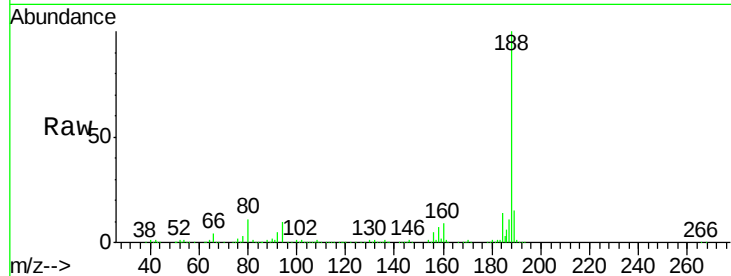
Tgt Ion:188 Resp: 611930

Ion Ratio Lower Upper

188 100

94 10.2 7.0 10.6

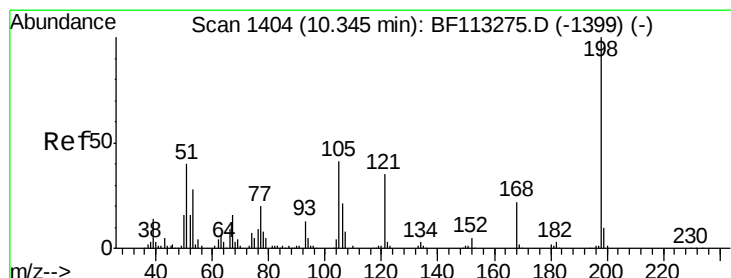
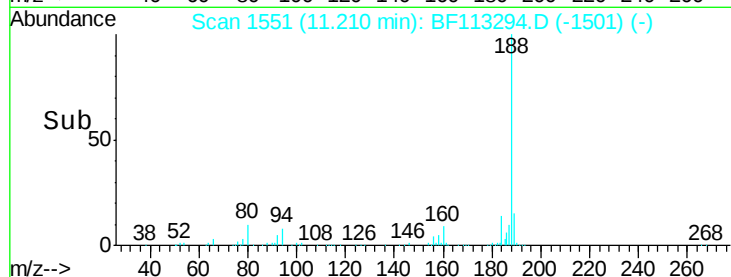
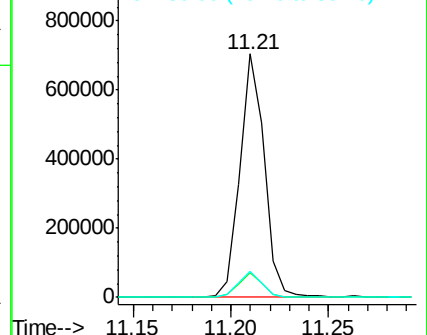
80 10.6 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#65

4,6-Dinitro-2-methylphenol

Concen: 15.604 ng

RT: 10.33 min Scan# 1402

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

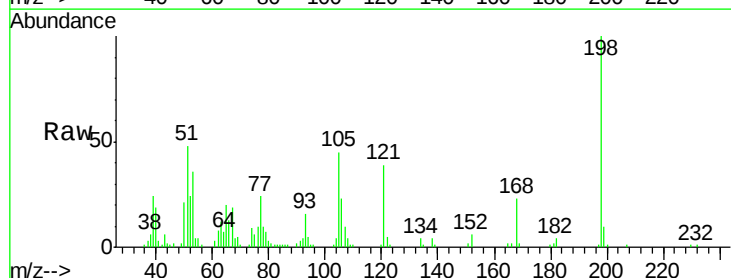
Tgt Ion:198 Resp: 52234

Ion Ratio Lower Upper

198 100

51 48.3 21.6 61.6

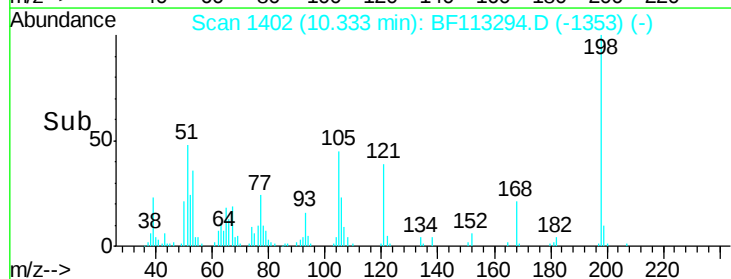
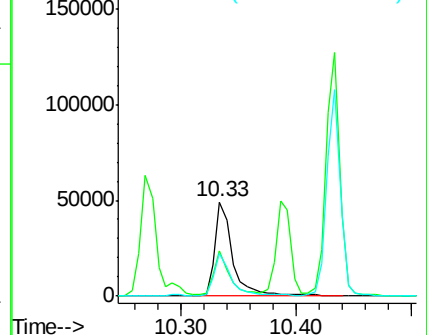
105 44.8 20.6 60.6

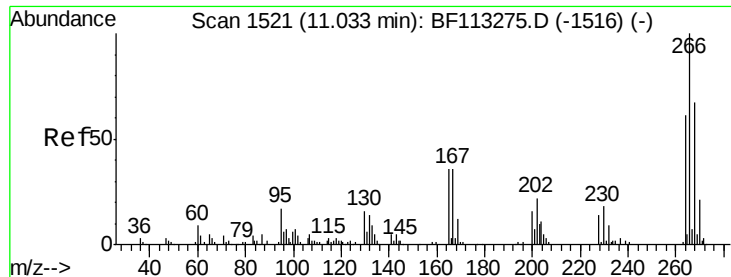


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

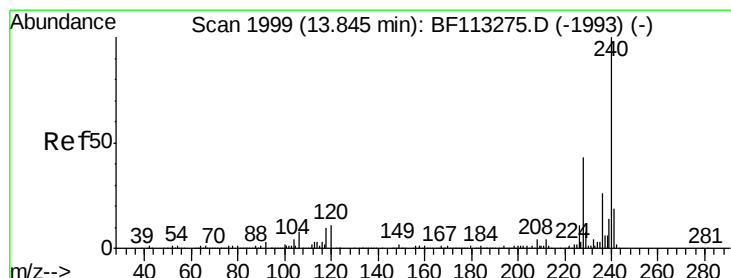
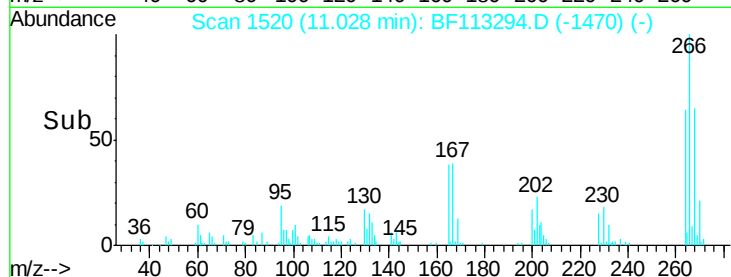
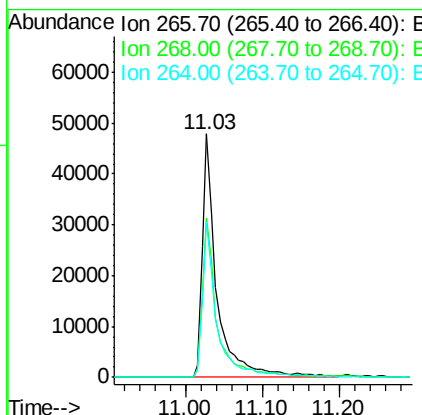
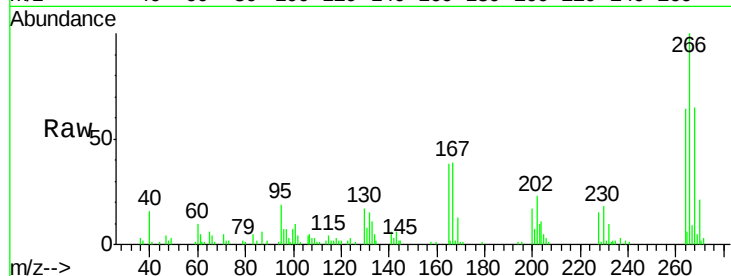




#70
 Pentachlorophenol
 Concen: 15.761 ng
 RT: 11.03 min Scan# 1520
 Delta R.T. -0.01 min
 Lab File: BF113294.D
 Acq: 26 Mar 2019 16:29

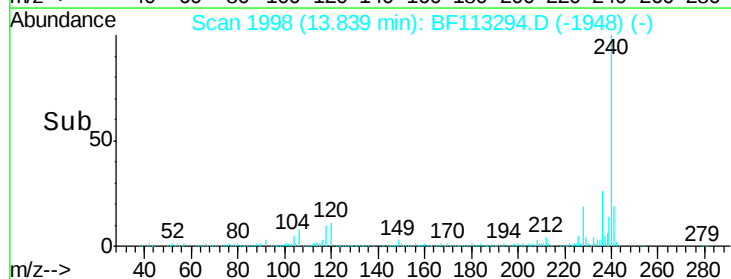
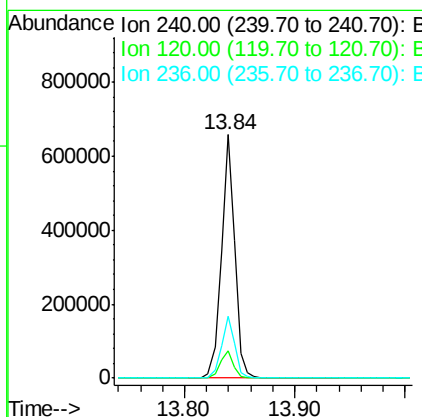
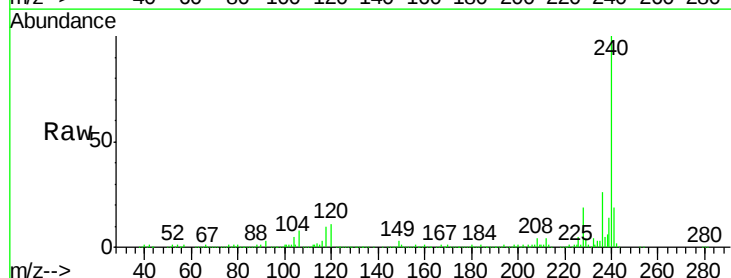
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2019

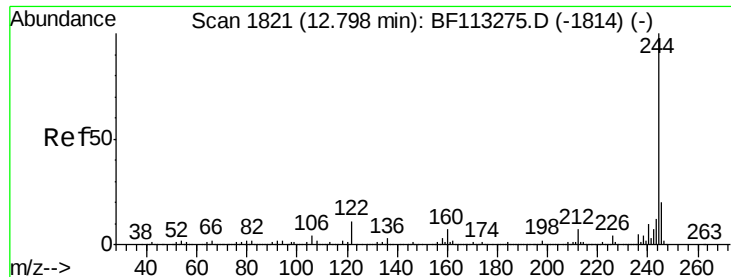
Tgt Ion:266 Resp: 63571
 Ion Ratio Lower Upper
 266 100
 268 65.3 53.8 80.6
 264 63.6 49.2 73.8



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.84 min Scan# 1998
 Delta R.T. -0.01 min
 Lab File: BF113294.D
 Acq: 26 Mar 2019 16:29

Tgt Ion:240 Resp: 551719
 Ion Ratio Lower Upper
 240 100
 120 11.0 8.8 13.2
 236 25.7 20.9 31.3





#79

Terphenyl-d14

Concen: 75.355 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2019

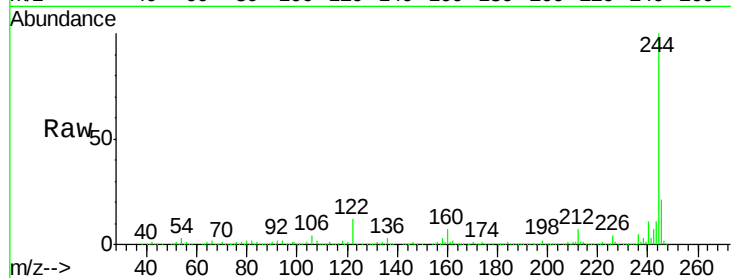
Tgt Ion:244 Resp: 1886201

Ion Ratio Lower Upper

244 100

212 7.0 5.5 8.3

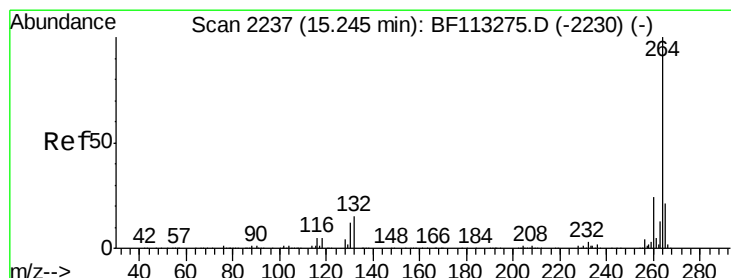
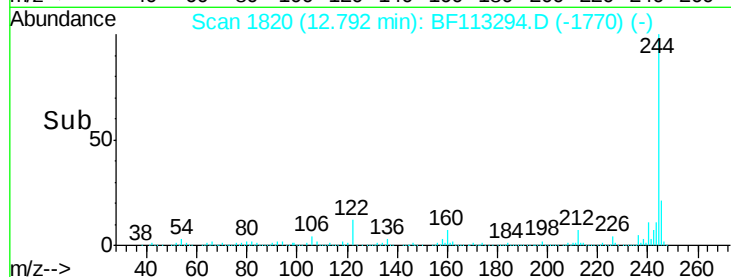
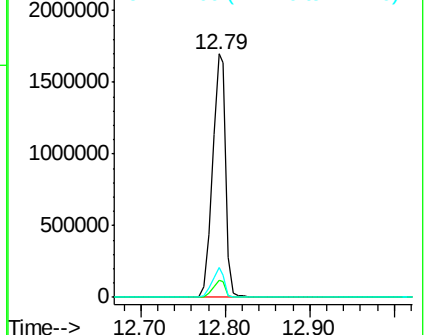
122 12.0 8.6 13.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.01 min

Lab File: BF113294.D

Acq: 26 Mar 2019 16:29

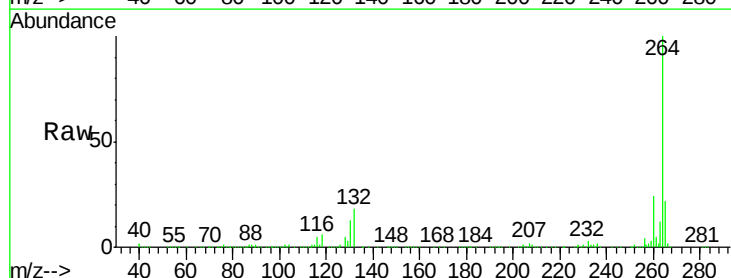
Tgt Ion:264 Resp: 552966

Ion Ratio Lower Upper

264 100

260 24.0 19.1 28.7

265 22.4 17.1 25.7



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

