

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102318\
 Data File : BF110085.D
 Acq On : 23 Oct 2018 18:47
 Operator : JU/SJ
 Sample : J5164-01
 Misc : LOD 8PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

Quant Time: Oct 24 05:34:53 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

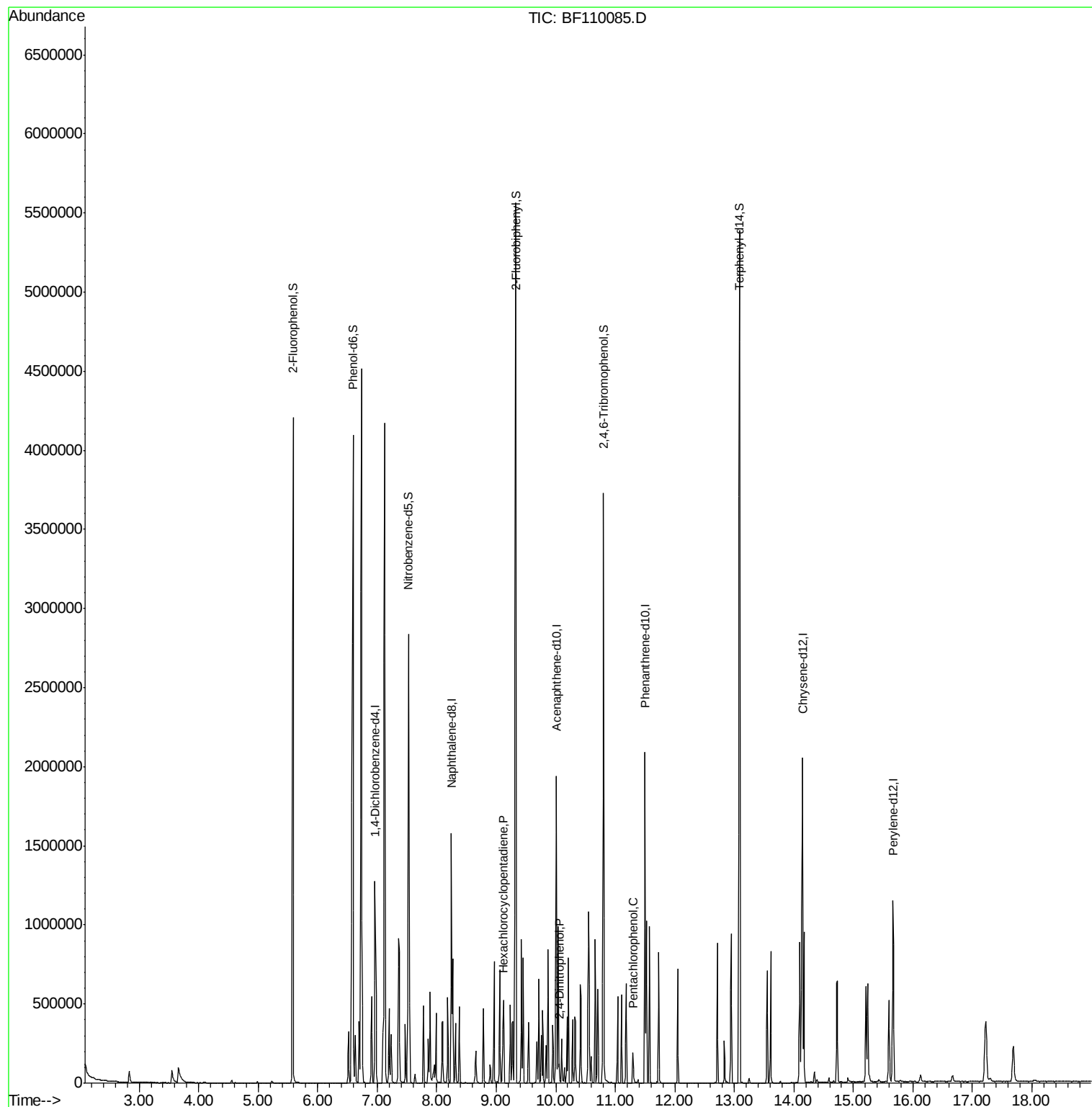
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	180969	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	771390	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	378051	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	727030	20.00	ng	-0.02
76) Chrysene-d12	14.14	240	602238	20.00	ng	-0.02
87) Perylene-d12	15.67	264	526967	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	1394946	125.52	ng	-0.01
7) Phenol-d6	6.59	99	1773470	124.77	ng	-0.01
23) Nitrobenzene-d5	7.53	82	1082374	83.23	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	466443	124.56	ng	-0.01
45) 2-Fluorobiphenyl	9.33	172	1927546	80.06	ng	-0.01
79) Terphenyl-d14	13.09	244	2032712	70.20	ng	-0.02
Target Compounds						
41) Hexachlorocyclopentadiene	9.11	237	47227	7.841	ng	97
54) 2,4-Dinitrophenol	10.06	184	13315	10.395	ng	94
70) Pentachlorophenol	11.30	266	26601	5.452	ng	96

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

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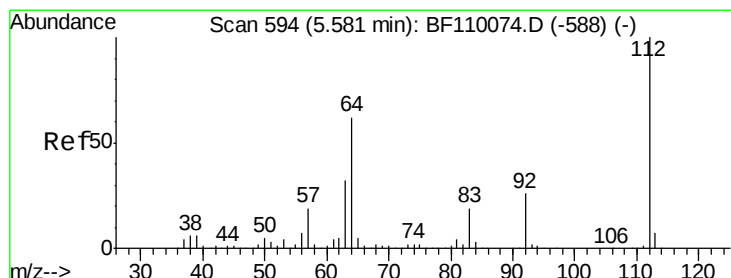
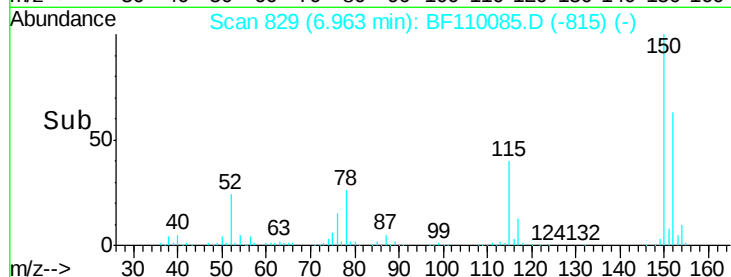
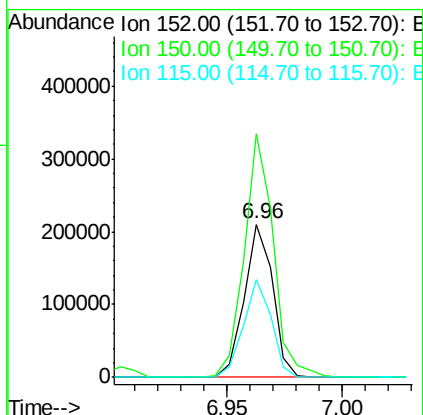
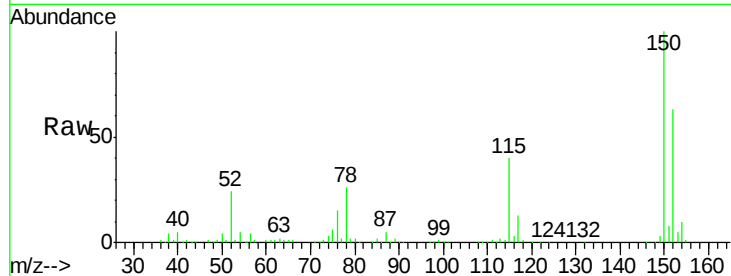




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.02 min
Lab File: BF110085.D
Acq: 23 Oct 2018 18:47

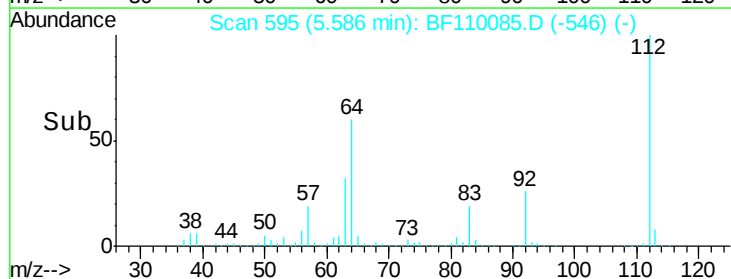
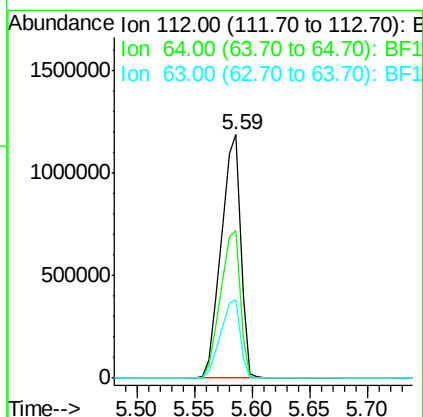
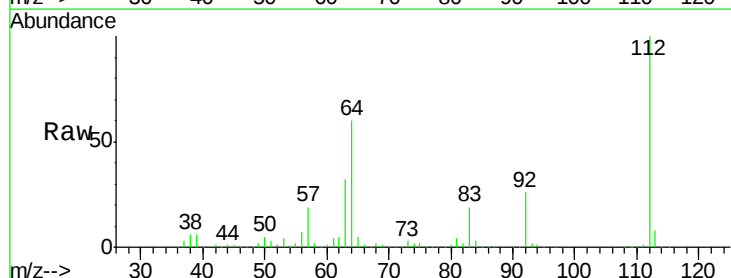
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

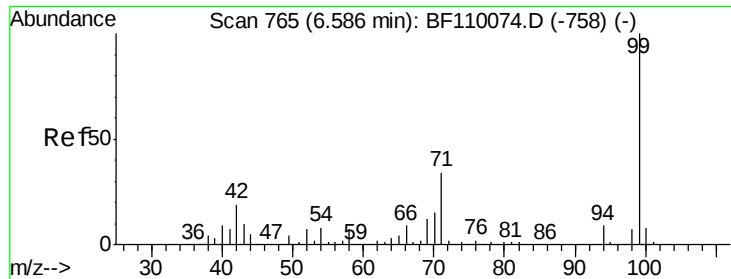
Tgt Ion:152 Resp: 180969
Ion Ratio Lower Upper
152 100
150 159.0 122.7 184.1
115 63.9 49.1 73.7



#5
2-Fluorophenol
Concen: 125.524 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF110085.D
Acq: 23 Oct 2018 18:47

Tgt Ion:112 Resp: 1394946
Ion Ratio Lower Upper
112 100
64 60.4 44.1 66.1
63 32.2 23.7 35.5





#7

Phenol-d6

Concen: 124.766 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110085.D

Acq: 23 Oct 2018 18:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

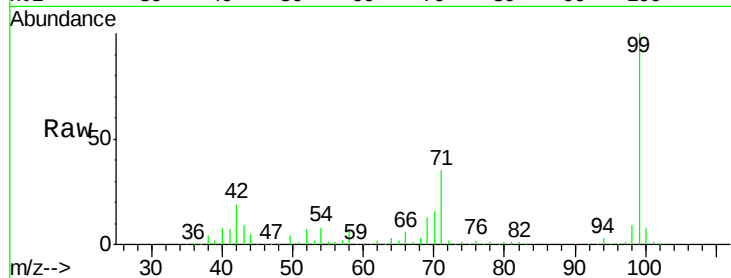
Tgt Ion: 99 Resp: 1773470

Ion Ratio Lower Upper

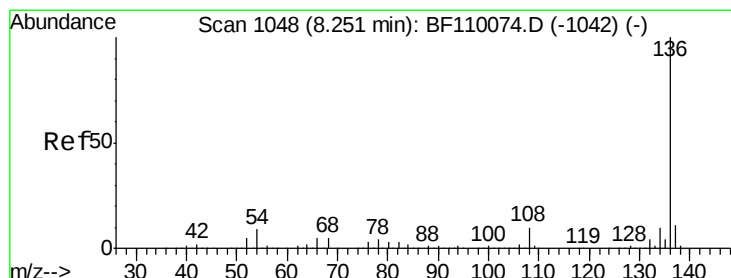
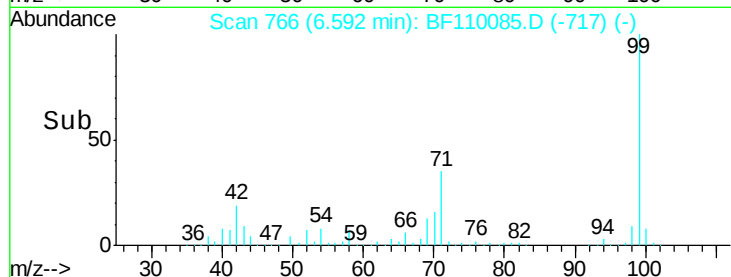
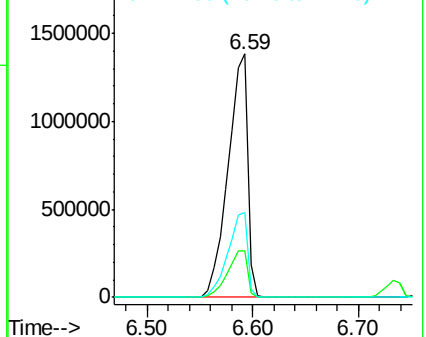
99 100

42 19.1 15.8 23.6

71 35.0 28.0 42.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF110085.D

Acq: 23 Oct 2018 18:47

Tgt Ion: 136 Resp: 771390

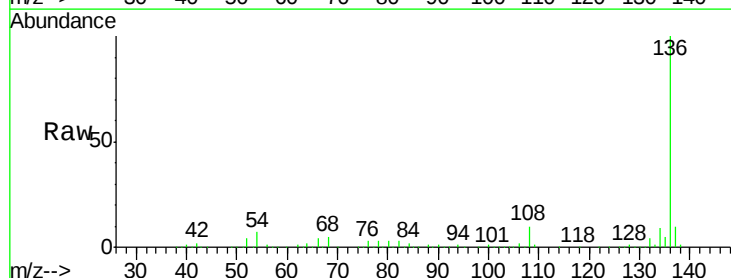
Ion Ratio Lower Upper

136 100

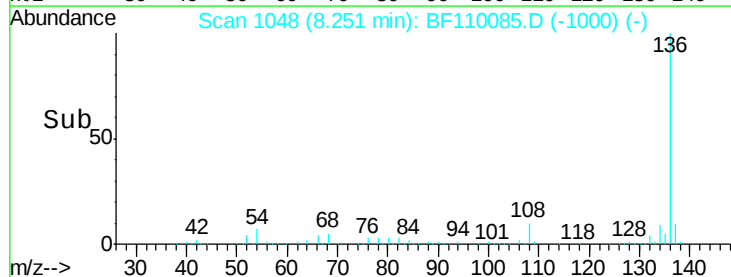
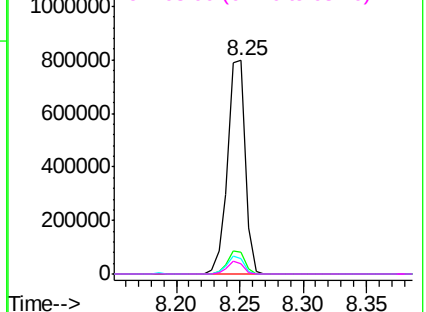
137 10.4 8.8 13.2

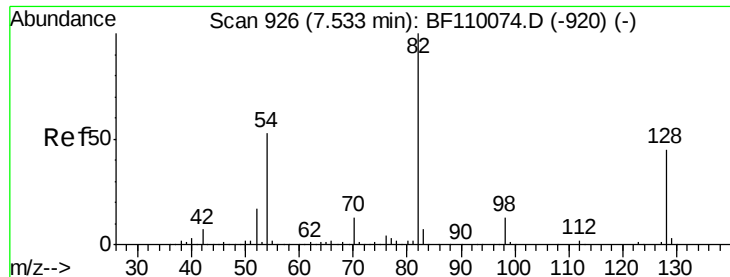
54 7.3 5.4 8.2

68 5.1 4.2 6.2



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

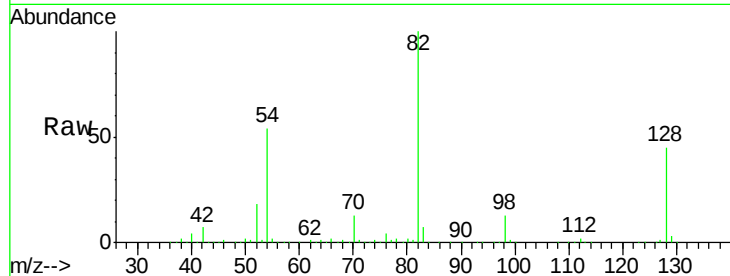




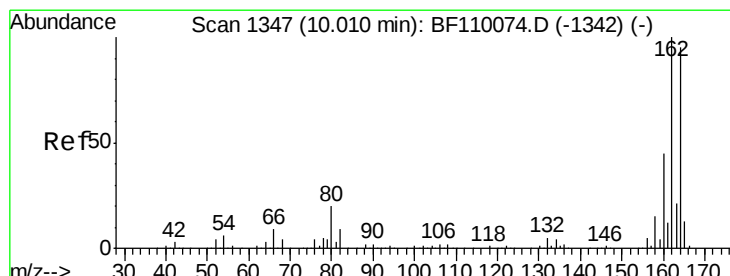
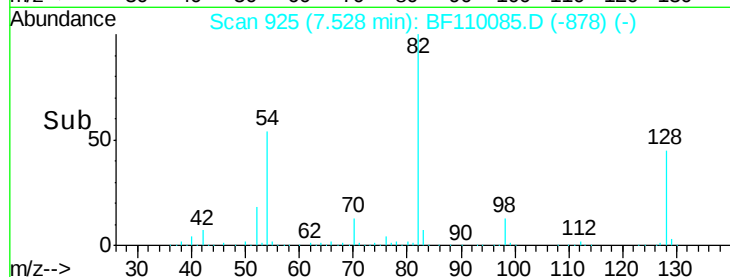
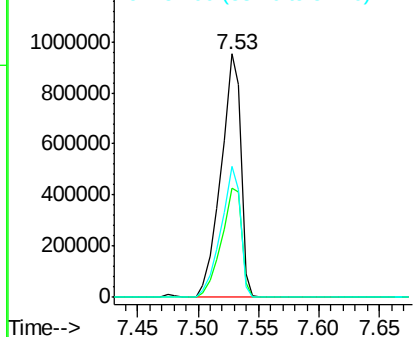
#23
Nitrobenzene-d5
Concen: 83.225 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110085.D
Acq: 23 Oct 2018 18:47

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion: 82 Resp: 1082374
Ion Ratio Lower Upper
82 100
128 45.0 34.2 51.2
54 54.0 38.6 58.0

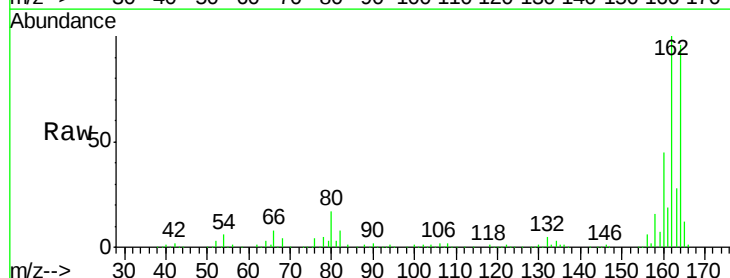


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

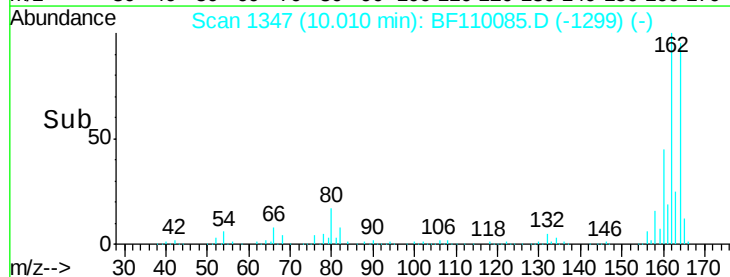
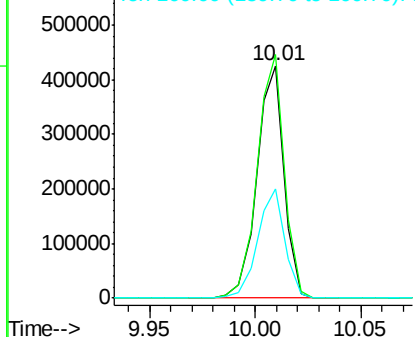


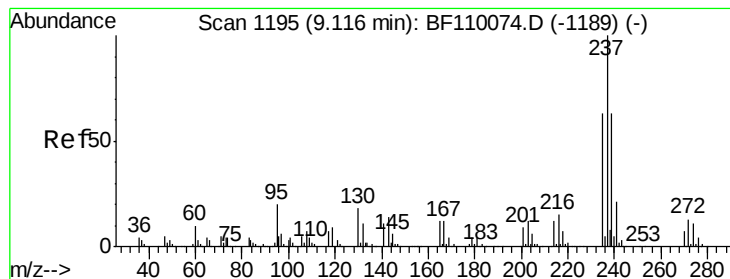
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110085.D
Acq: 23 Oct 2018 18:47

Tgt Ion: 164 Resp: 378051
Ion Ratio Lower Upper
164 100
162 104.7 83.0 124.6
160 46.7 37.0 55.6



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





#41

Hexachlorocyclopentadiene

Concen: 7.841 ng

RT: 9.11 min Scan# 1194

Delta R.T. -0.02 min

Lab File: BF110085.D

Acq: 23 Oct 2018 18:47

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

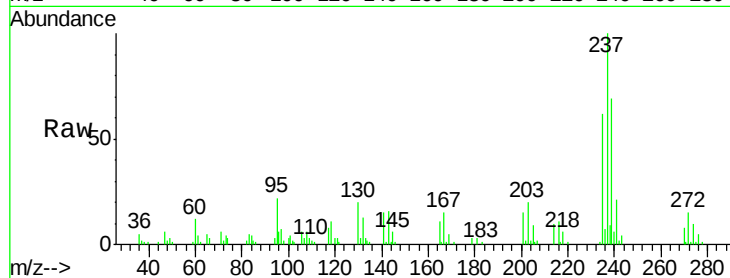
Tgt Ion: 237 Resp: 47227

Ion Ratio Lower Upper

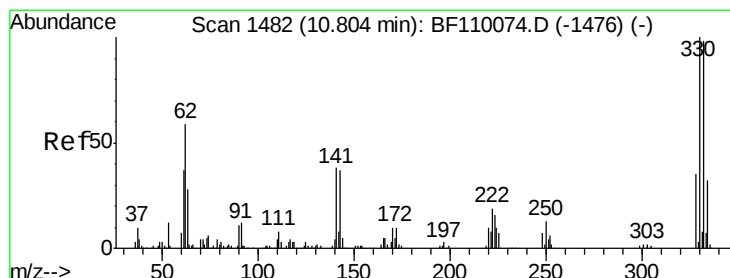
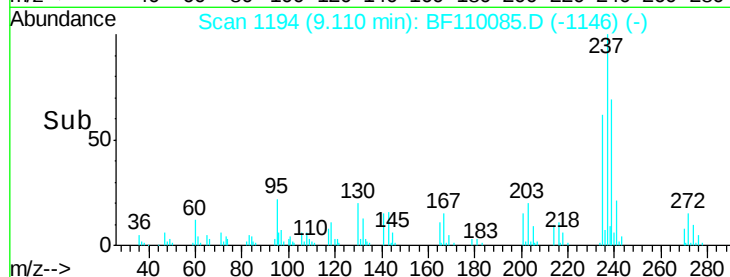
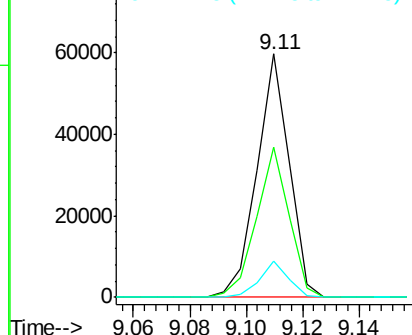
237 100

235 61.6 43.1 83.1

272 14.8 0.0 32.6



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 124.556 ng

RT: 10.80 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF110085.D

Acq: 23 Oct 2018 18:47

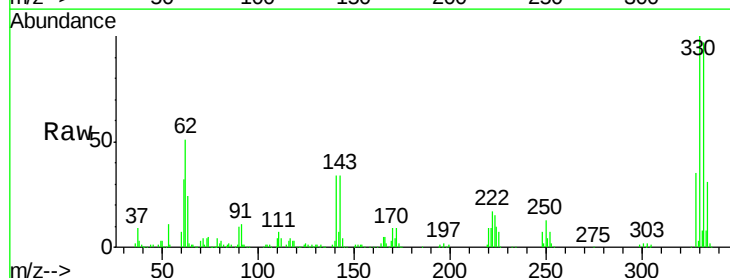
Tgt Ion: 330 Resp: 466443

Ion Ratio Lower Upper

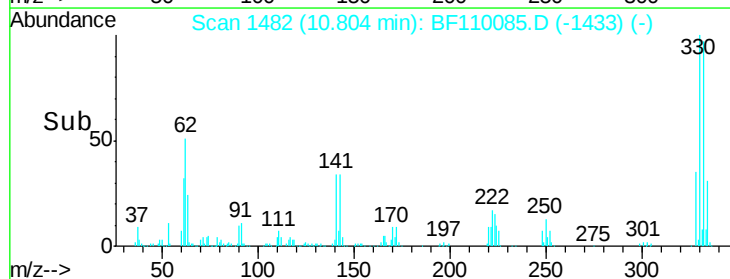
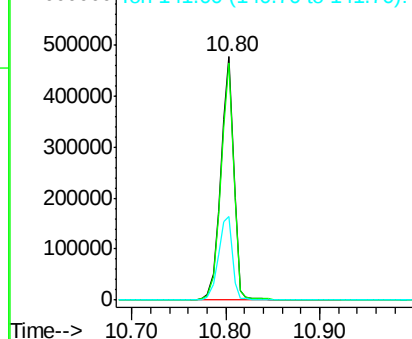
330 100

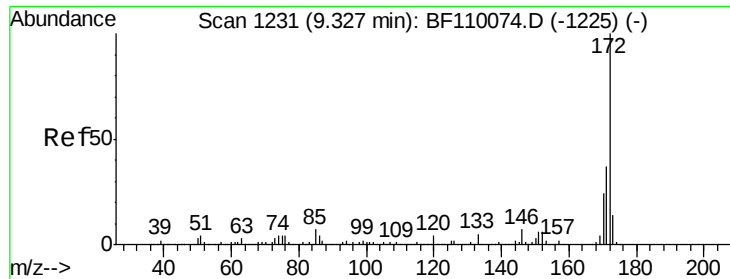
332 96.5 77.1 115.7

141 37.2 27.0 40.4



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

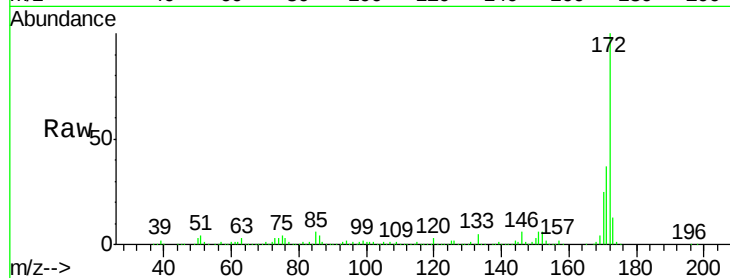




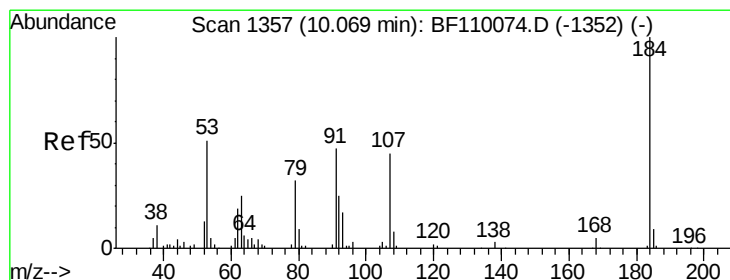
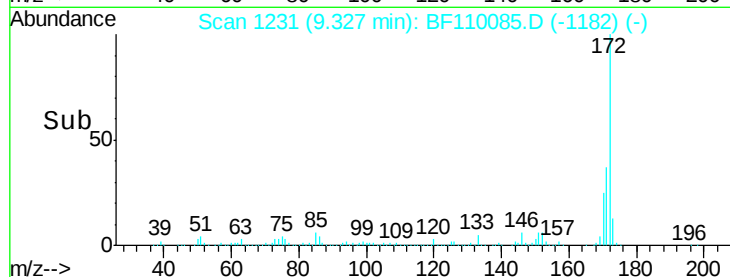
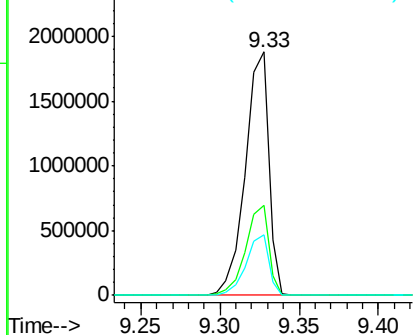
#45
2-Fluorobiphenyl
Concen: 80.062 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF110085.D
Acq: 23 Oct 2018 18:47

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion:172 Resp: 1927546
Ion Ratio Lower Upper
172 100
171 37.2 28.6 43.0
170 25.0 19.7 29.5

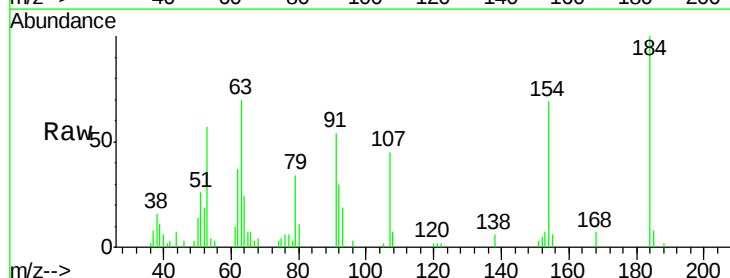


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

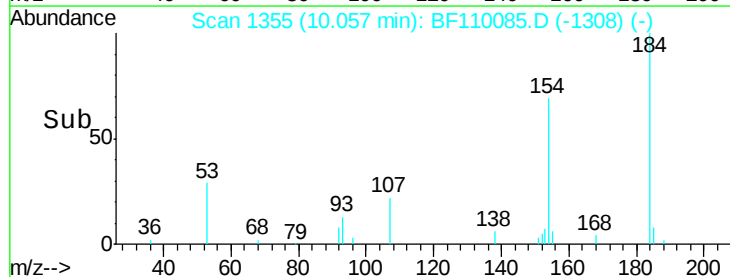
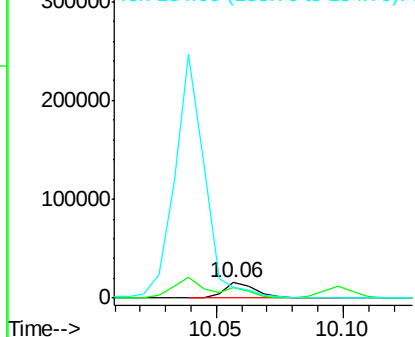


#54
2,4-Dinitrophenol
Concen: 10.395 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.02 min
Lab File: BF110085.D
Acq: 23 Oct 2018 18:47

Tgt Ion:184 Resp: 13315
Ion Ratio Lower Upper
184 100
63 70.1 55.8 83.6
154 69.3 63.2 94.8



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

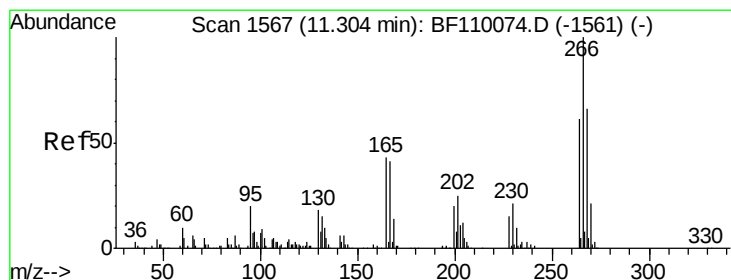
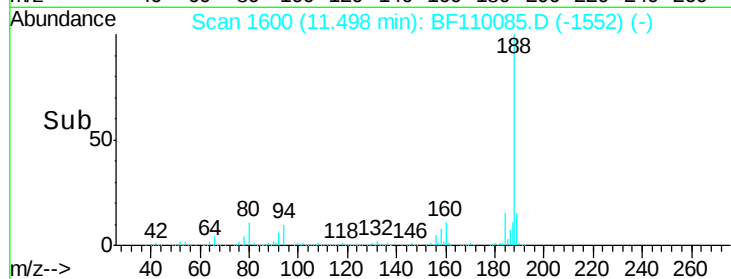
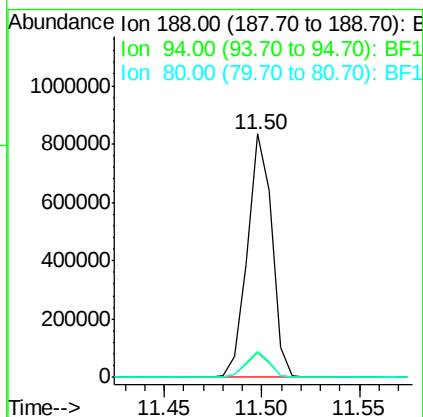
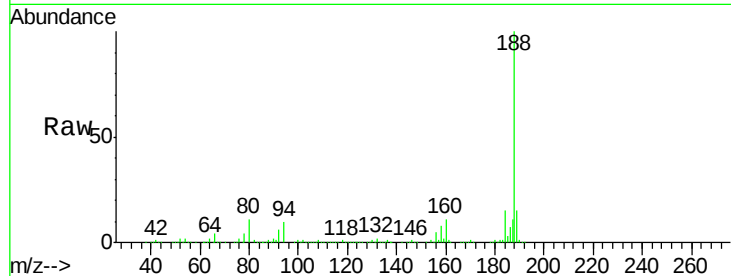




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.02 min
Lab File: BF110085.D
Acq: 23 Oct 2018 18:47

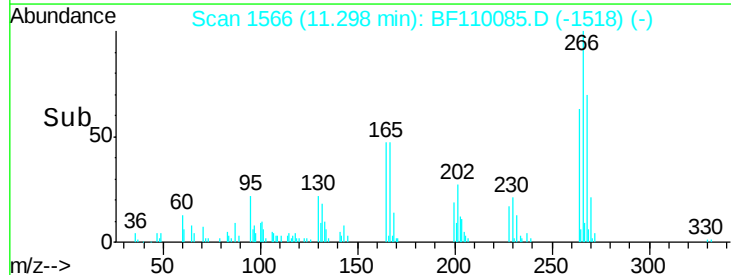
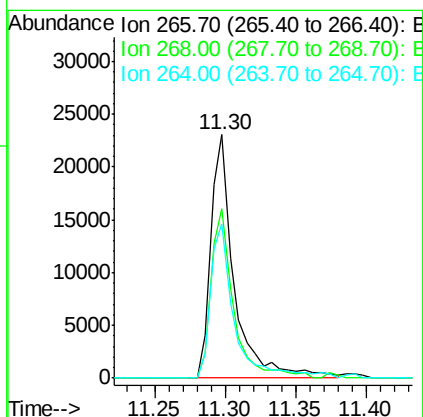
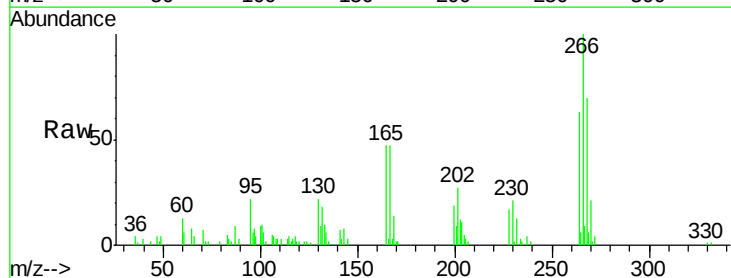
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LOD-MDL-SOIL-01-QT4-2018

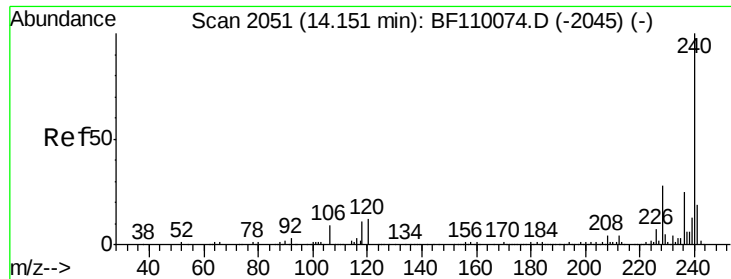
Tgt Ion:188 Resp: 727030
Ion Ratio Lower Upper
188 100
94 10.1 7.2 10.8
80 10.8 7.9 11.9



#70
Pentachlorophenol
Concen: 5.452 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.02 min
Lab File: BF110085.D
Acq: 23 Oct 2018 18:47

Tgt Ion:266 Resp: 26601
Ion Ratio Lower Upper
266 100
268 69.6 50.6 75.8
264 63.4 50.6 75.8

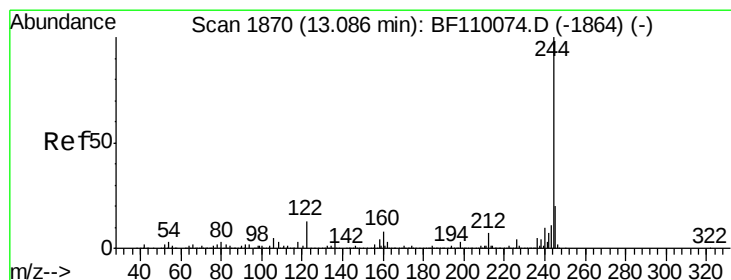
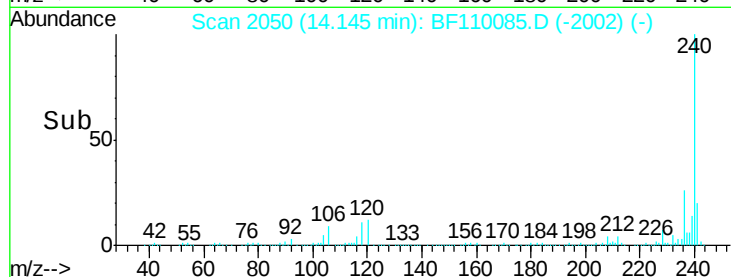
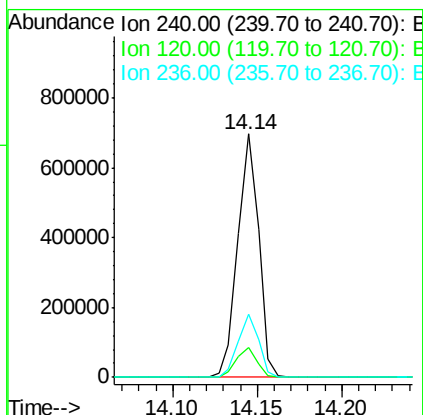
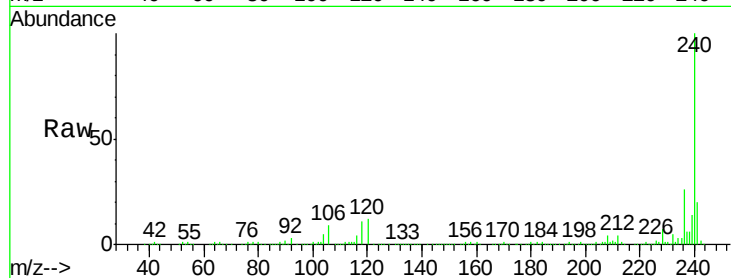




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.02 min
Lab File: BF110085.D
Acq: 23 Oct 2018 18:47

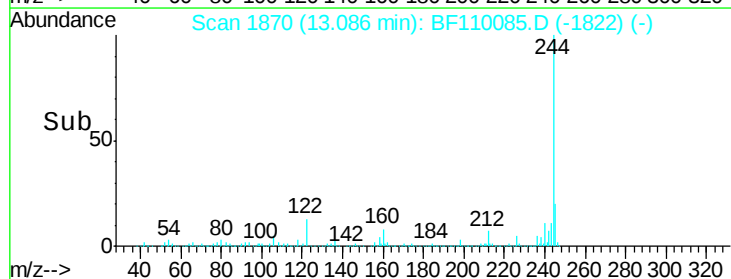
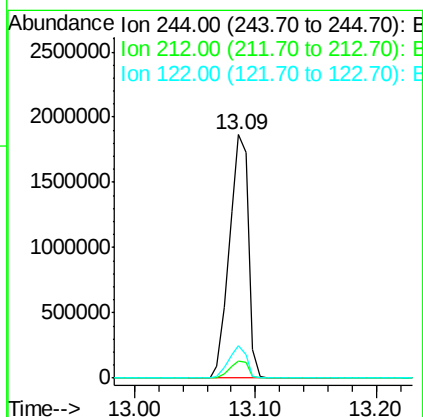
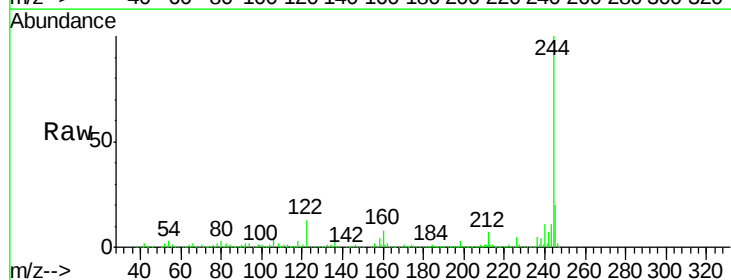
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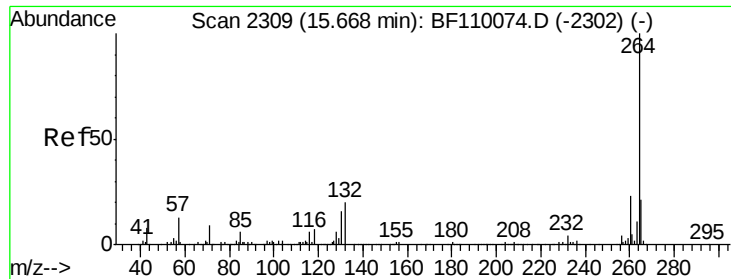
Tgt Ion:240 Resp: 602238
Ion Ratio Lower Upper
240 100
120 12.3 8.3 12.5
236 26.2 21.2 31.8



#79
Terphenyl-d14
Concen: 70.196 ng
RT: 13.09 min Scan# 1870
Delta R.T. -0.02 min
Lab File: BF110085.D
Acq: 23 Oct 2018 18:47

Tgt Ion:244 Resp: 2032712
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.8
122 13.4 8.7 13.1#





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. -0.02 min
Lab File: BF110085.D
Acq: 23 Oct 2018 18:47

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.0	16.7	25.1

