

Data Path : Z:\HPCHEM1\BNA N\DATA\BN021518\
 Data File : BN000092.D
 Acq On : 15 Feb 2018 12:23
 Operator : JU/SJ
 Sample : J1161-01
 Misc : 8 PPM LOD
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2018

Quant Time: Feb 16 06:12:17 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 07 18:24:45 2018
 Response via : Initial Calibration

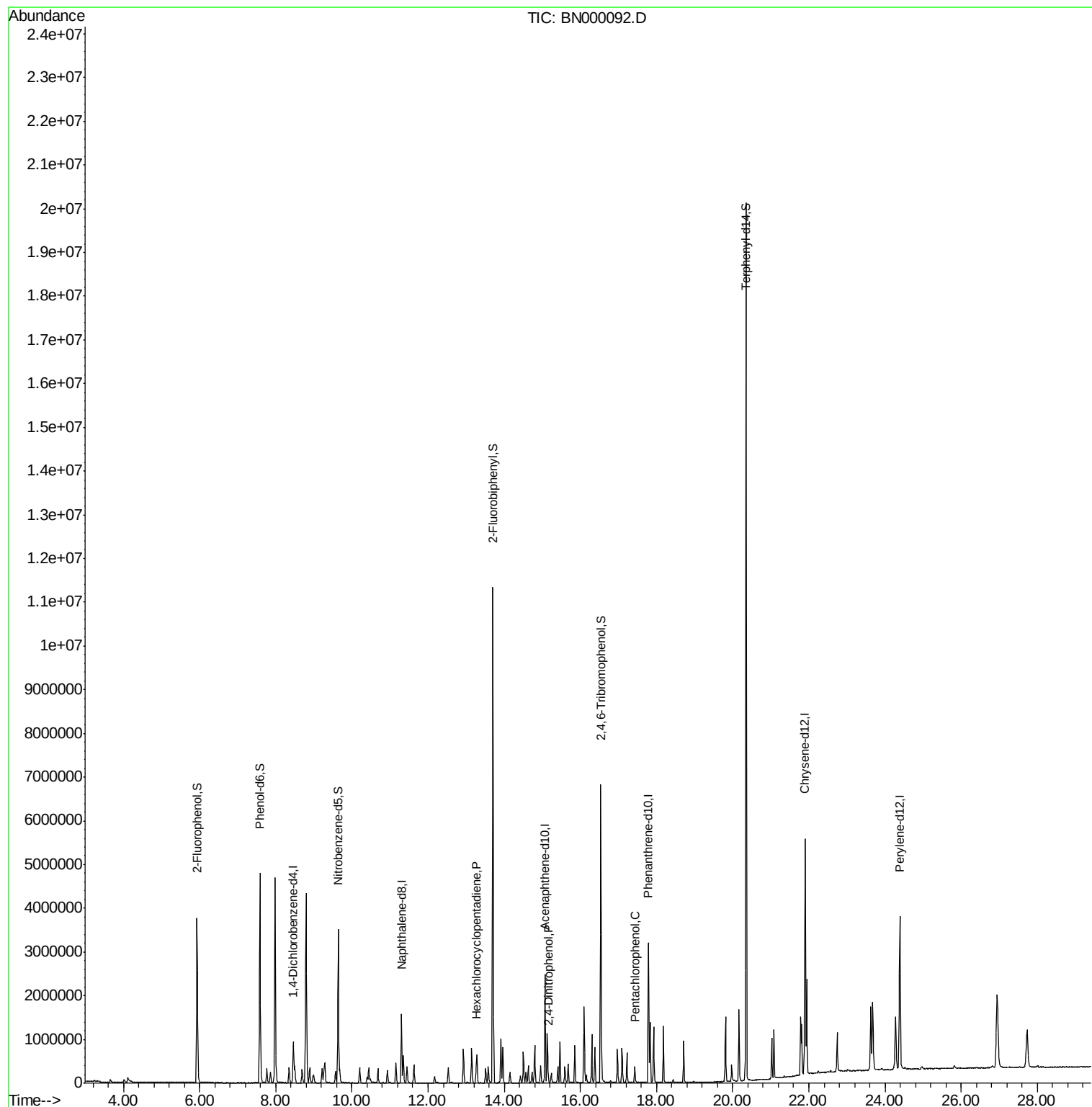
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.46	152	258398	20.00	ng	0.00
21) Naphthalene-d8	11.30	136	1318929	20.00	ng	0.00
38) Acenaphthene-d10	15.07	164	813189	20.00	ng	-0.01
63) Phenanthrene-d10	17.79	188	1853077	20.00	ng	-0.01
75) Chrysene-d12	21.90	240	2211469	20.00	ng	-0.02
86) Perylene-d12	24.39	264	2429718	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.93	112	2050644	129.34	ng	-0.01
7) Phenol-d6	7.58	99	3067112	127.71	ng	-0.01
23) Nitrobenzene-d5	9.64	82	2118539	95.50	ng	-0.01
41) 2,4,6-Tribromophenol	16.54	330	1027390	127.64	ng	-0.01
44) 2-Fluorobiphenyl	13.70	172	5531358	95.87	ng	-0.01
78) Terphenyl-d14	20.35	244	7712114	94.16	ng	-0.01
Target Compounds						
40) Hexachlorocyclopentadiene	13.26	237	55026	5.500	ng	98
53) 2,4-Dinitrophenol	15.16	184	16866	12.225	ng	# 29
69) Pentachlorophenol	17.43	266	55804	9.482	ng	96

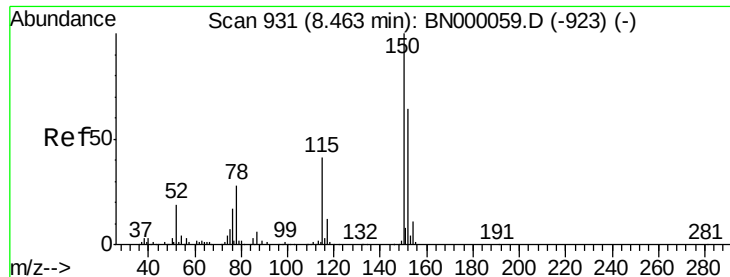
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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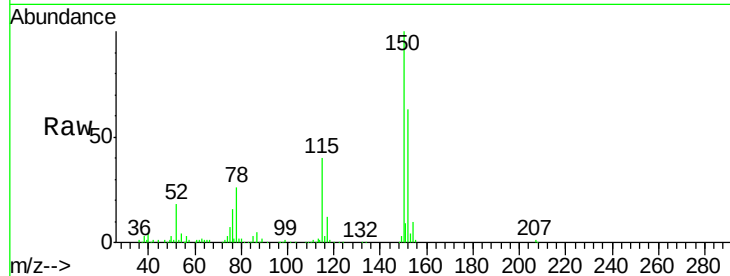


#1

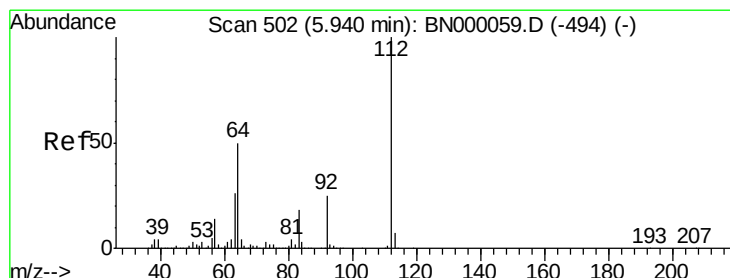
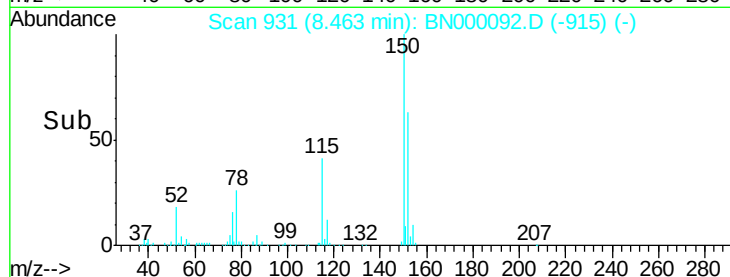
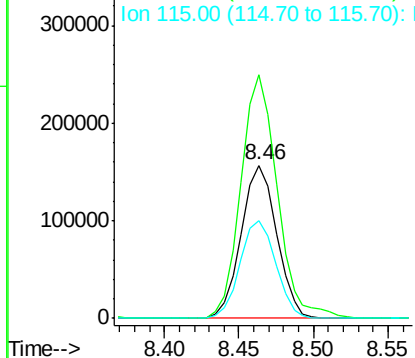
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.46 min Scan# 931
Delta R.T. -0.01 min
Lab File: BN000092.D
Acq: 15 Feb 2018 12:23

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tot Ion:152 Resp: 258398
Ion Ratio Lower Upper
152 100
150 159.2 126.6 189.8
115 64.1 53.0 79.4



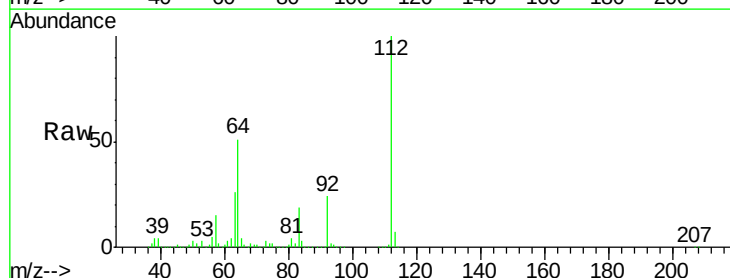
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



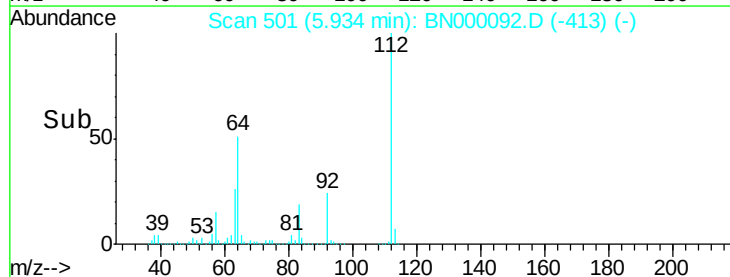
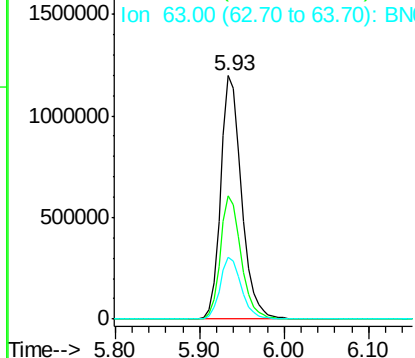
#5

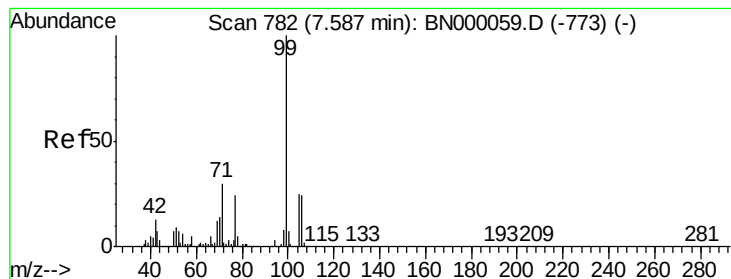
2-Fluorophenol
Concen: 129.338 ng
RT: 5.93 min Scan# 501
Delta R.T. -0.01 min
Lab File: BN000092.D
Acq: 15 Feb 2018 12:23

Tgt Ion:112 Resp: 2050644
Ion Ratio Lower Upper
112 100
64 50.9 56.3 84.5#
63 25.6 30.1 45.1#



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





#7

Phenol-d6

Concen: 127.709 ng

RT: 7.58 min Scan# 781

Delta R.T. -0.01 min

Lab File: BN000092.D

Acq: 15 Feb 2018 12:23

Instrument :

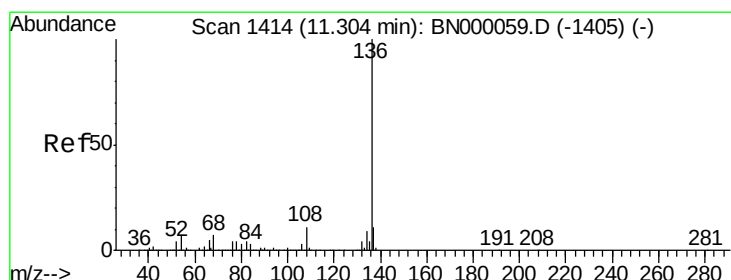
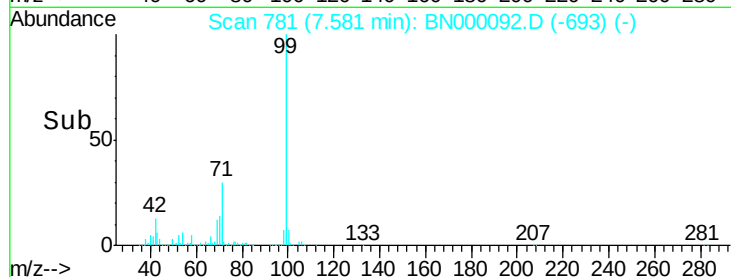
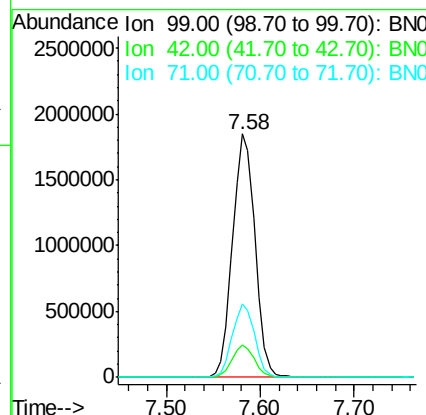
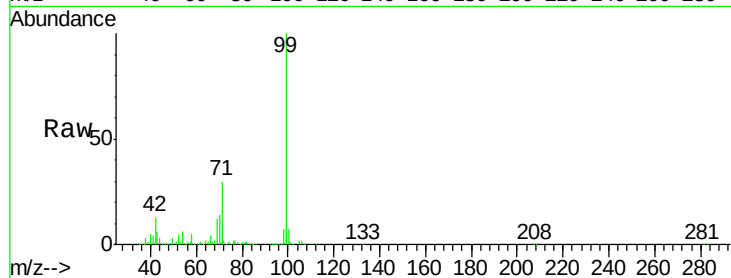
BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

Tot Ion: 99 Resp: 3067112

Ion	Ratio	Lower	Upper
99	100		
42	13.3	14.1	21.1#
71	30.2	26.1	39.1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.30 min Scan# 1414

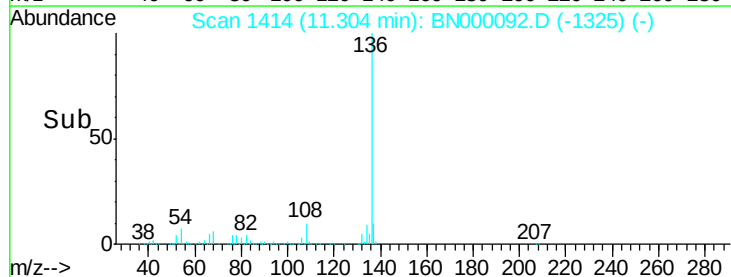
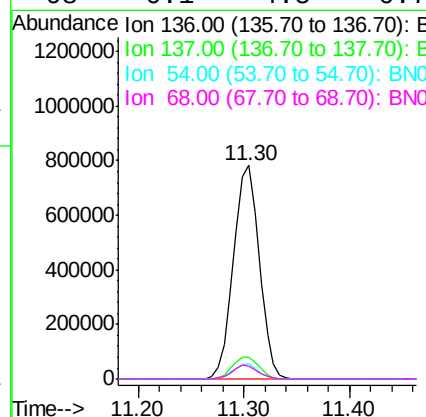
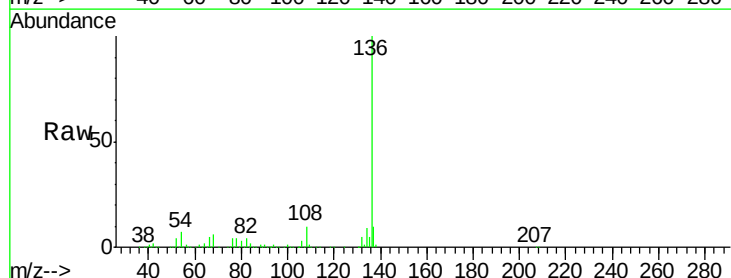
Delta R.T. -0.01 min

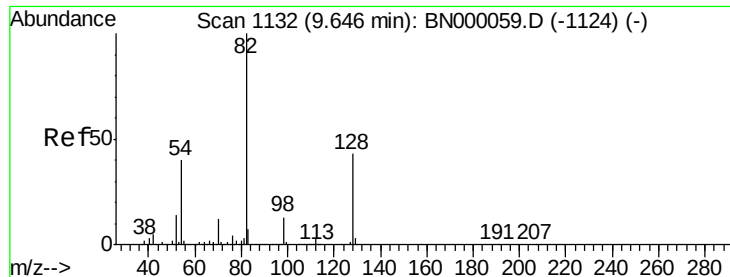
Lab File: BN000092.D

Acq: 15 Feb 2018 12:23

Tgt Ion: 136 Resp: 1318929

Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.2	13.8
54	6.9	10.3	15.5#
68	6.1	4.5	6.7



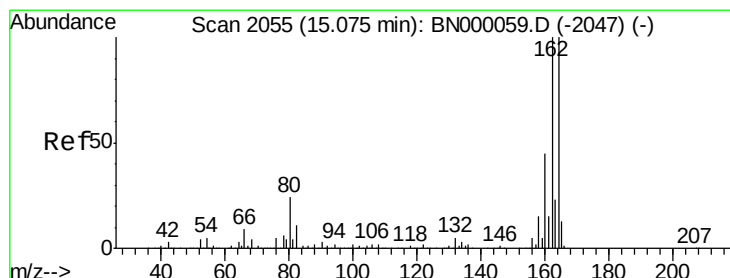
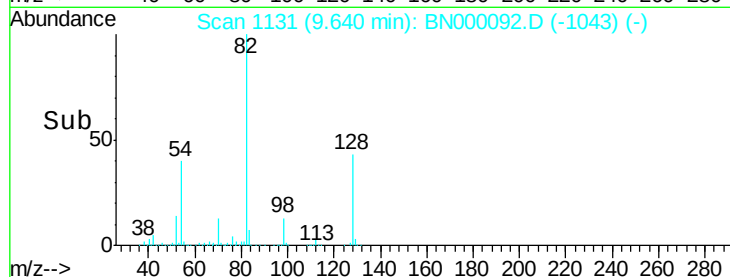
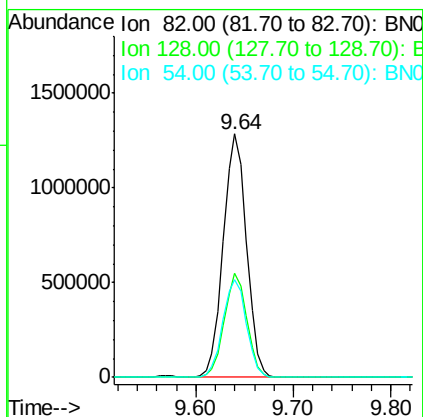
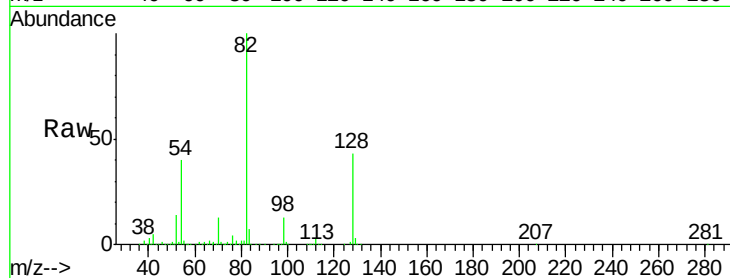


#23
 Nitrobenzene-d5
 Concen: 95.501 ng
 RT: 9.64 min Scan# 1131
 Delta R.T. -0.01 min
 Lab File: BN000092.D
 Acq: 15 Feb 2018 12:23

Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2018

Tot Ion: 82 Resp: 2118539

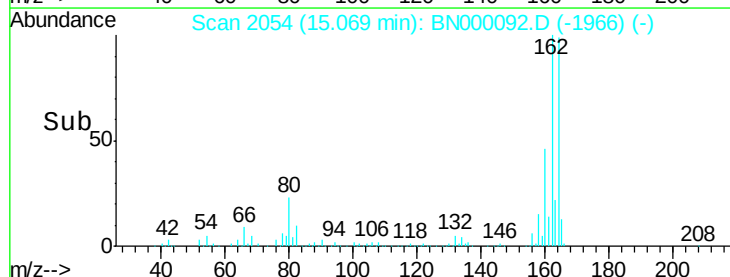
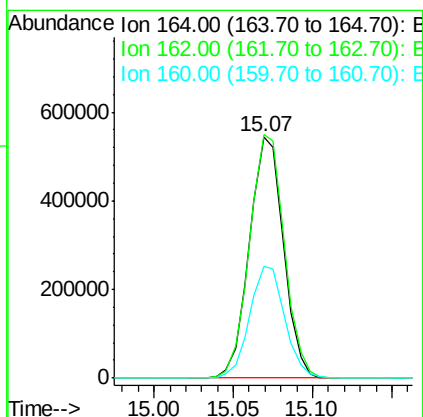
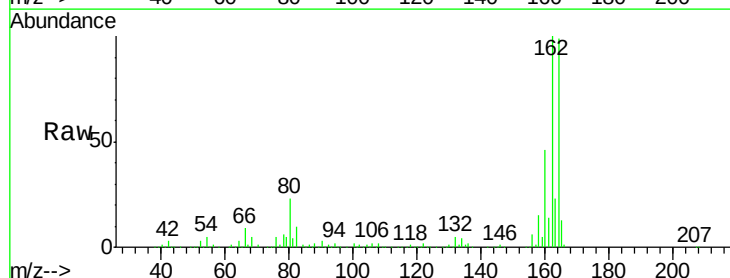
Ion	Ratio	Lower	Upper
82	100		
128	42.8	29.7	44.5
54	40.4	43.1	64.7#

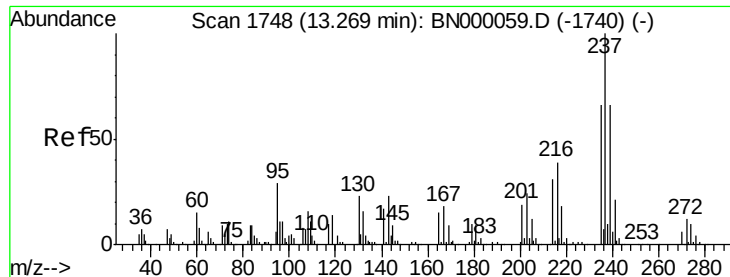


#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.07 min Scan# 2054
 Delta R.T. -0.01 min
 Lab File: BN000092.D
 Acq: 15 Feb 2018 12:23

Tgt Ion:164 Resp: 813189

Ion	Ratio	Lower	Upper
164	100		
162	100.9	78.8	118.2
160	46.2	35.4	53.0

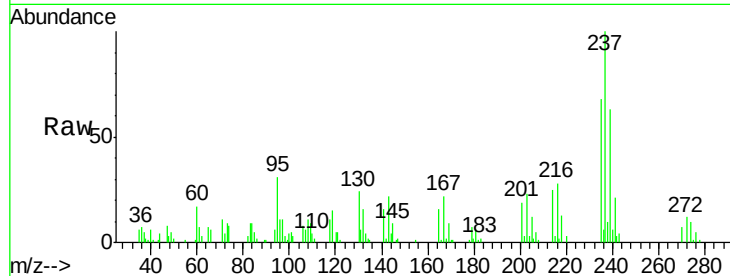




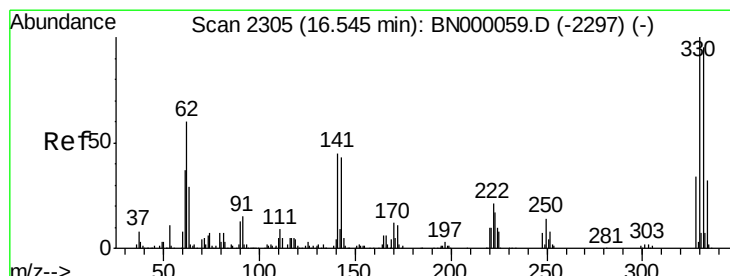
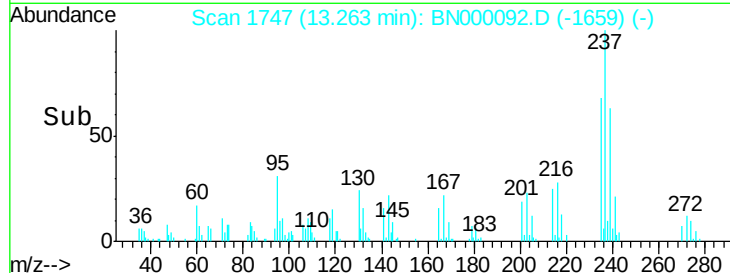
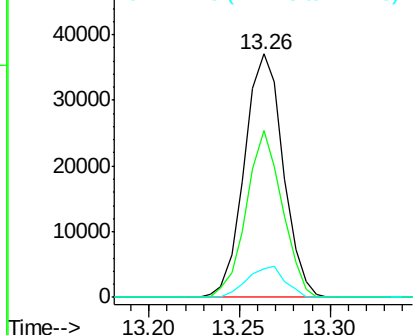
#40
Hexachlorocyclopentadiene
Concen: 5.500 ng
RT: 13.26 min Scan# 1747
Delta R.T. -0.01 min
Lab File: BN000092.D
Acq: 15 Feb 2018 12:23

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tot Ion:237 Resp: 55026
Ion Ratio Lower Upper
237 100
235 68.4 50.4 90.4
272 12.0 0.0 31.8

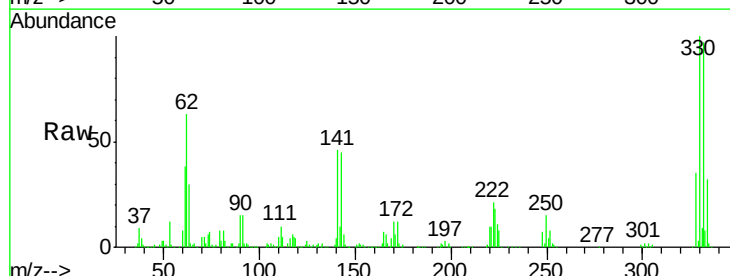


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

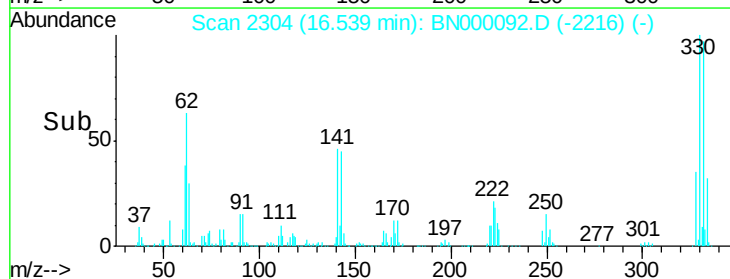
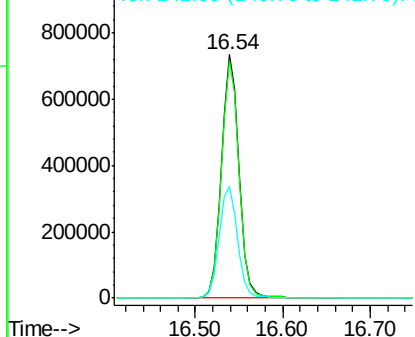


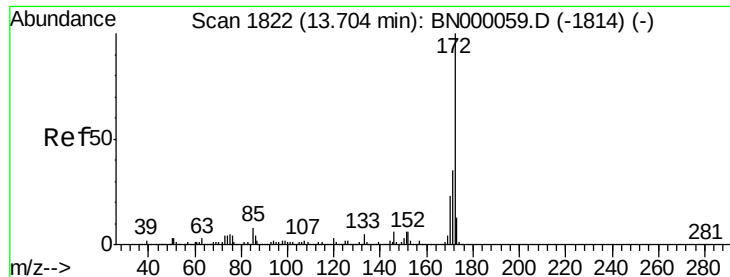
#41
2,4,6-Tribromophenol
Concen: 127.637 ng
RT: 16.54 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BN000092.D
Acq: 15 Feb 2018 12:23

Tgt Ion:330 Resp: 1027390
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.6
141 48.0 25.2 37.8#



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

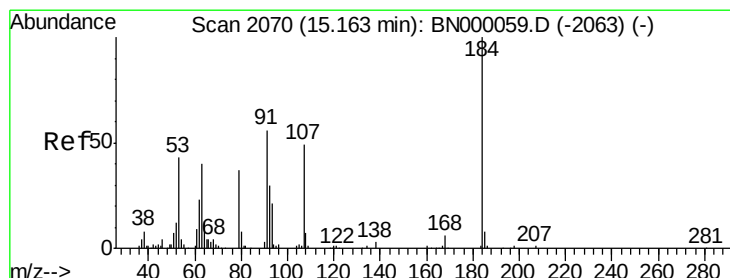
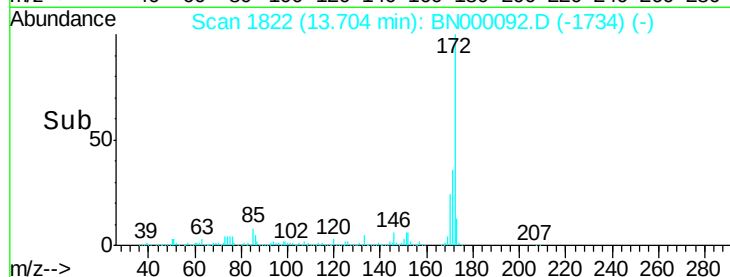
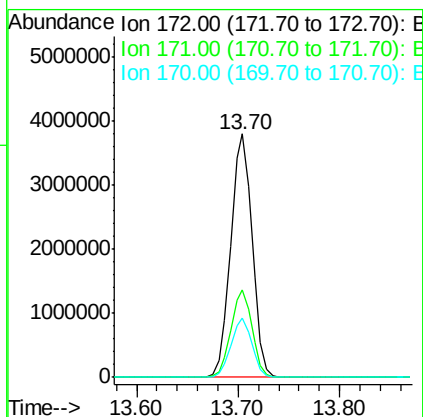
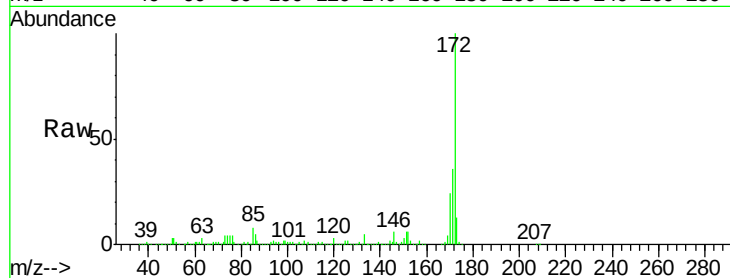




#44
2-Fluorobiphenyl
Concen: 95.869 ng
RT: 13.70 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BN000092.D
Acq: 15 Feb 2018 12:23

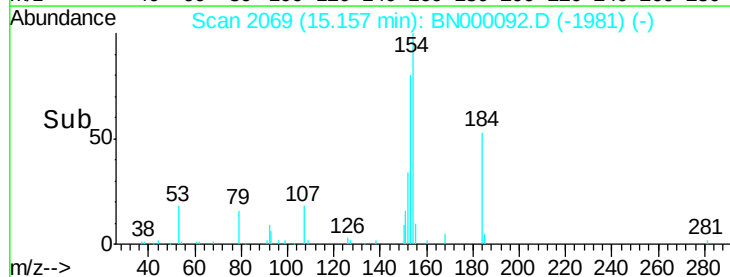
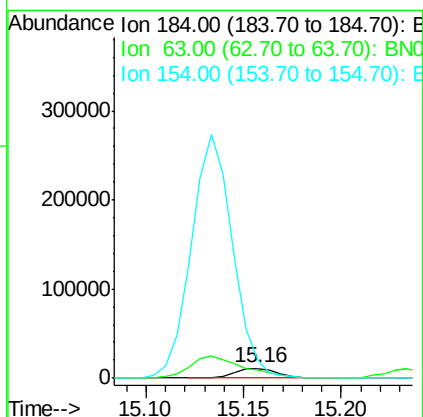
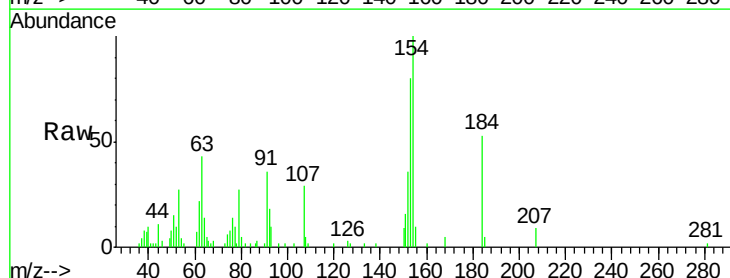
Instrument :
BNA_N
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LOD-MDL-SOIL-01-QT1-2018

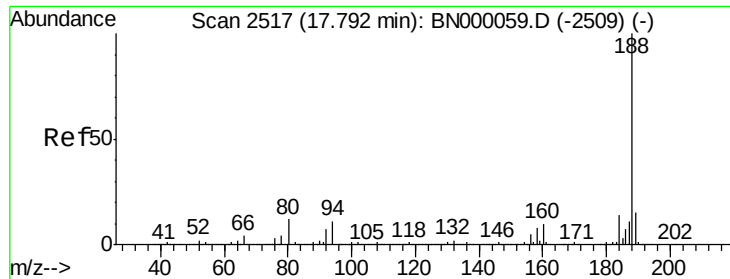
Tot Ion:172 Resp: 5531358
Ion Ratio Lower Upper
172 100
171 35.8 30.0 45.0
170 24.2 19.5 29.3



#53
2,4-Dinitrophenol
Concen: 12.225 ng
RT: 15.16 min Scan# 2069
Delta R.T. -0.01 min
Lab File: BN000092.D
Acq: 15 Feb 2018 12:23

Tgt Ion:184 Resp: 16866
Ion Ratio Lower Upper
184 100
63 80.4 80.0 120.0
154 188.6 308.0 462.0#

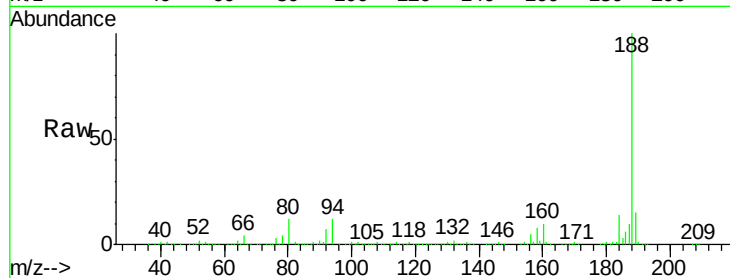




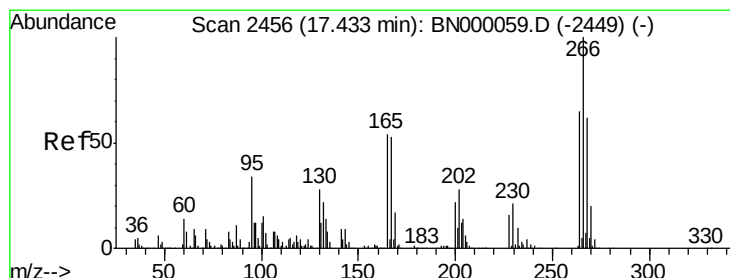
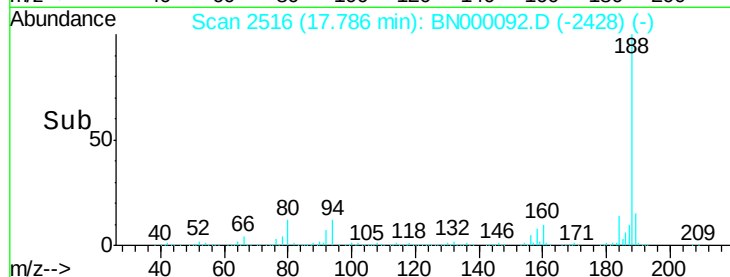
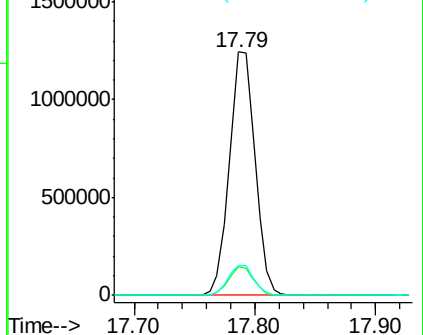
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.79 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BN000092.D
Acq: 15 Feb 2018 12:23

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tot Ion:188 Resp: 1853077
Ion Ratio Lower Upper
188 100
94 11.6 6.9 10.3#
80 12.3 7.7 11.5#

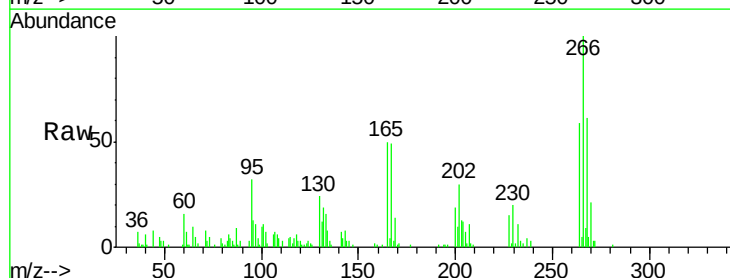


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BNC
Ion 80.00 (79.70 to 80.70): BNC

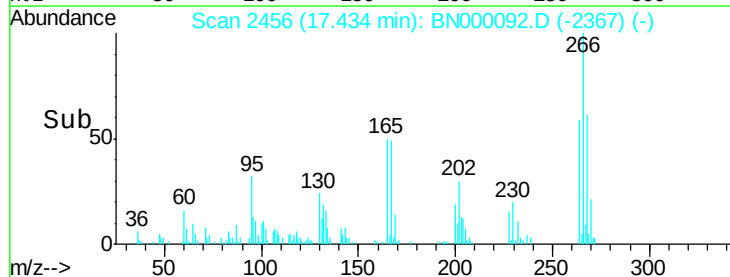
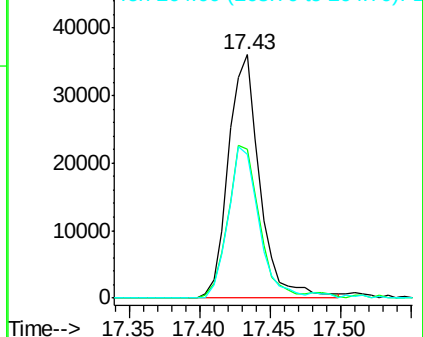


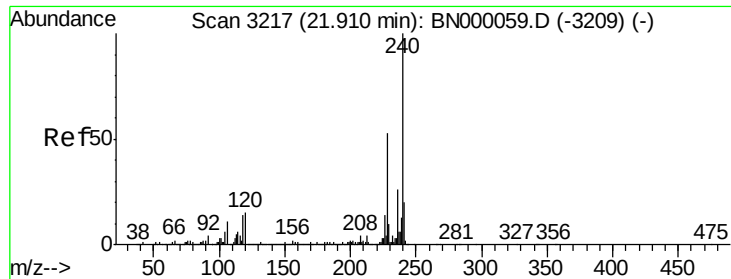
#69
Pentachlorophenol
Concen: 9.482 ng
RT: 17.43 min Scan# 2456
Delta R.T. -0.01 min
Lab File: BN000092.D
Acq: 15 Feb 2018 12:23

Tgt Ion:266 Resp: 55804
Ion Ratio Lower Upper
266 100
268 61.0 51.1 76.7
264 59.3 49.6 74.4



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.90 min Scan# 3216

Delta R.T. -0.02 min

Lab File: BN000092.D

Acq: 15 Feb 2018 12:23

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2018

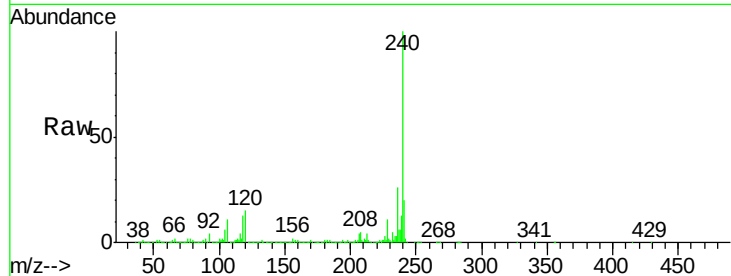
Tot Ion:240 Resp: 2211469

Ion Ratio Lower Upper

240 100

120 14.7 6.8 10.2#

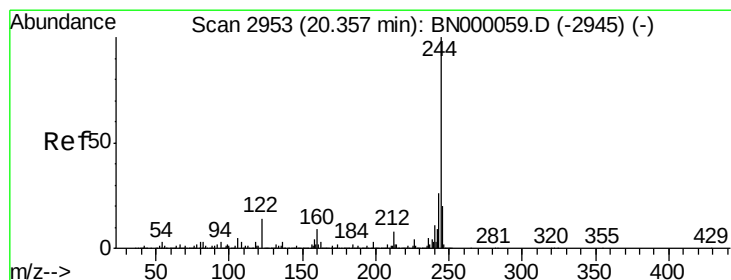
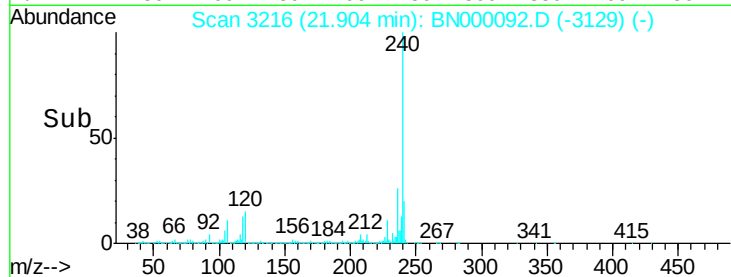
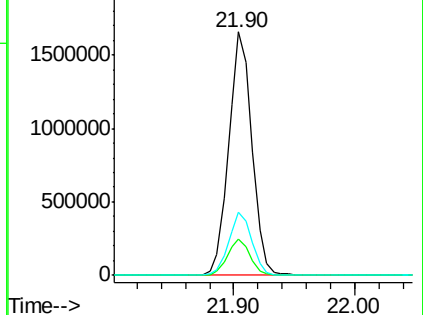
236 25.9 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 94.163 ng

RT: 20.35 min Scan# 2952

Delta R.T. -0.01 min

Lab File: BN000092.D

Acq: 15 Feb 2018 12:23

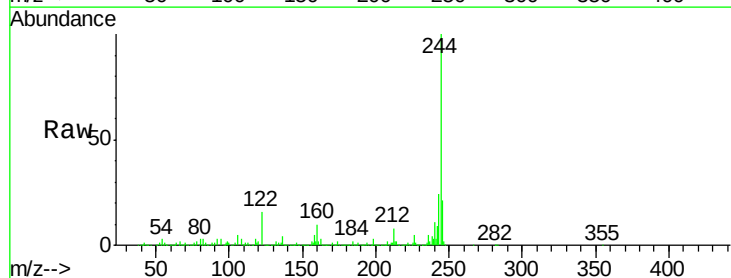
Tgt Ion:244 Resp: 7712114

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

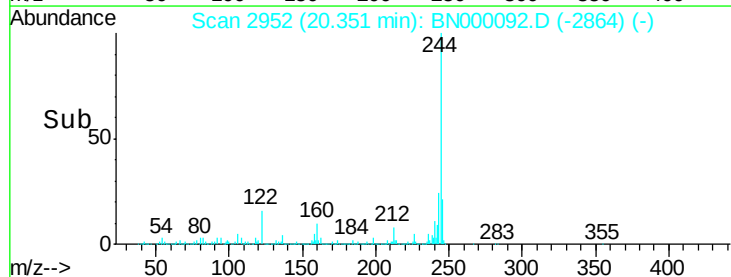
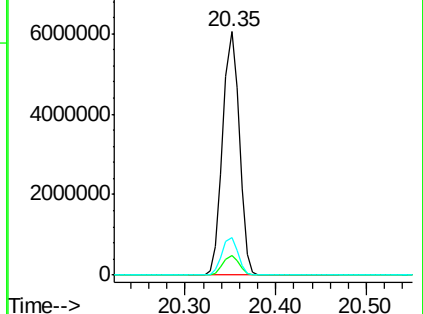
122 15.6 7.0 10.4#

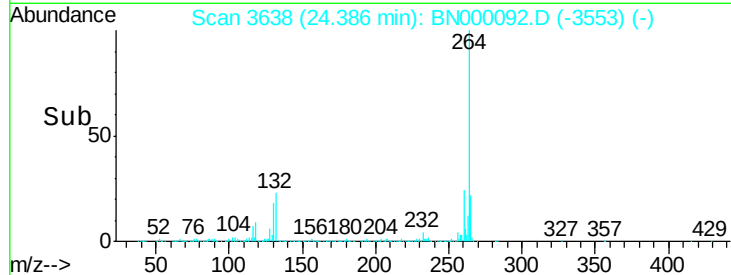
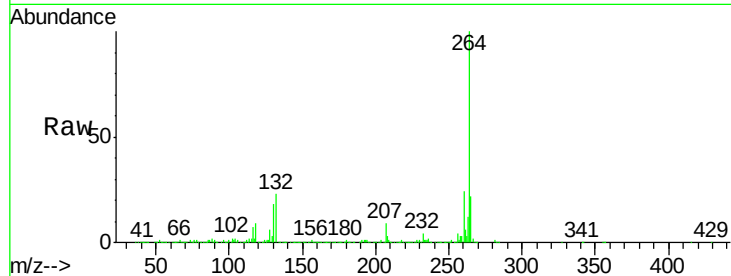
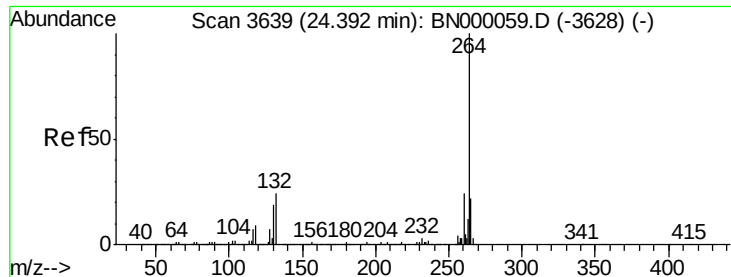


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.39 min Scan# 3638
Delta R.T. -0.03 min
Lab File: BN000092.D
Acq: 15 Feb 2018 12:23

Instrument :
BNA_N
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2018

Tot Ion:264 Resp: 2429718

Ion	Ratio	Lower	Upper
264	100		
260	23.8	17.4	26.0
265	21.9	17.7	26.5

