

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN102418\
 Data File : BN003278.D
 Acq On : 24 Oct 2018 19:06
 Operator : MJ/SJ
 Sample : J5164-01
 Misc : LOD 8PPM
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Oct 25 06:44:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-BN102418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 24 14:21:25 2018
 Response via : Initial Calibration

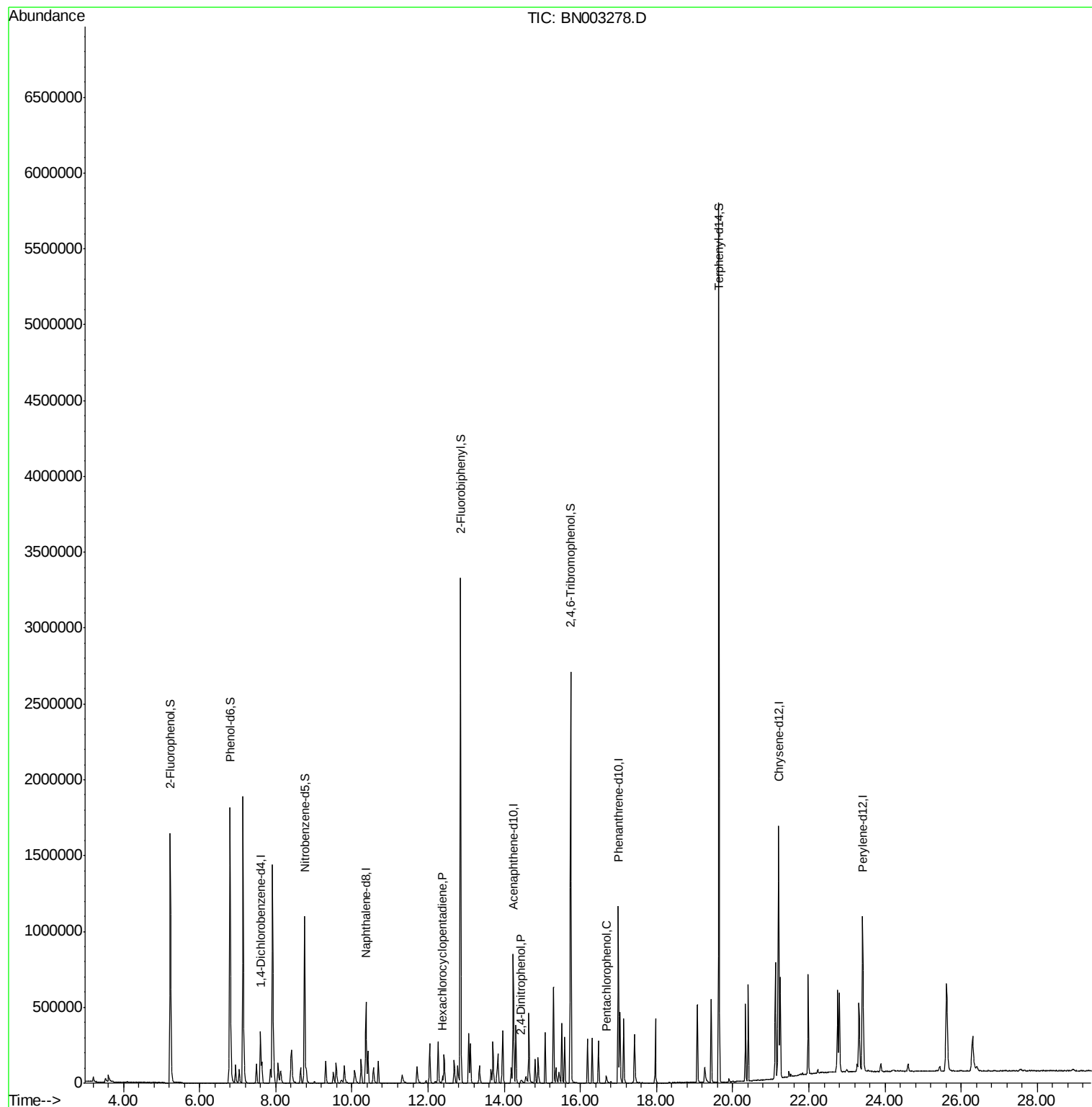
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	97975	20.00	ng	0.00
21) Naphthalene-d8	10.37	136	453706	20.00	ng	0.00
39) Acenaphthene-d10	14.24	164	288161	20.00	ng	0.00
64) Phenanthrene-d10	17.00	188	678233	20.00	ng	0.00
76) Chrysene-d12	21.21	240	762554	20.00	ng	0.00
87) Perylene-d12	23.42	264	796141	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	811892	144.33	ng	0.00
7) Phenol-d6	6.80	99	1144586	143.10	ng	0.00
23) Nitrobenzene-d5	8.76	82	668846	84.54	ng	0.00
42) 2,4,6-Tribromophenol	15.75	330	545478	140.58	ng	0.00
45) 2-Fluorobiphenyl	12.85	172	1769798	83.31	ng	0.00
79) Terphenyl-d14	19.64	244	2830403	79.38	ng	0.00
Target Compounds						
41) Hexachlorocyclopentadiene	12.39	237	14402	12.024	ng	91
54) 2,4-Dinitrophenol	14.43	184	12536	10.251	ng	94
70) Pentachlorophenol	16.68	266	15508	9.773	ng	97

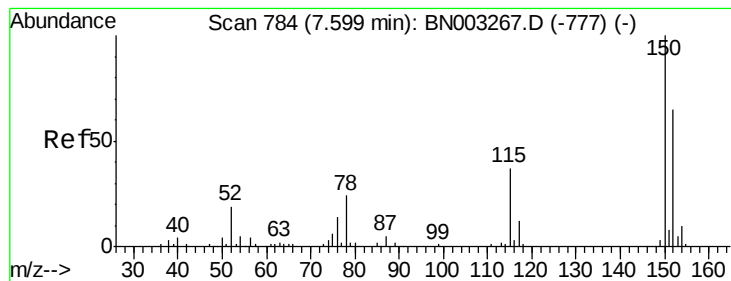
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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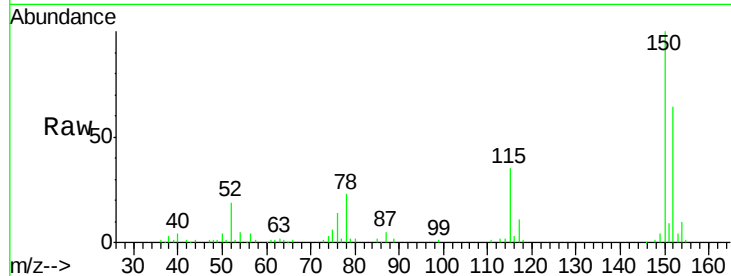


#1

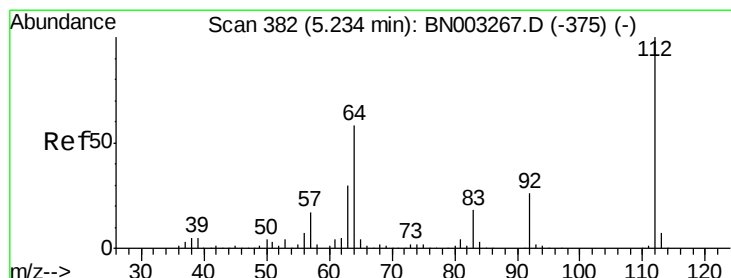
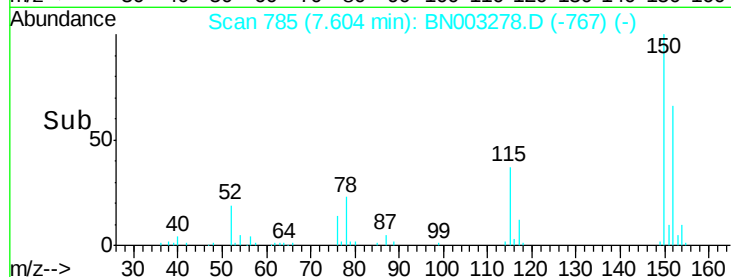
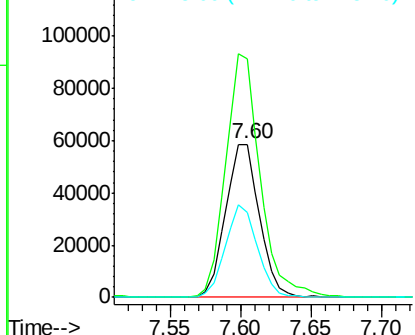
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.60 min Scan# 785
Delta R.T. 0.01 min
Lab File: BN003278.D
Acq: 24 Oct 2018 19:06

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

Tgt Ion:152 Resp: 97975
Ion Ratio Lower Upper
152 100
150 155.8 123.8 185.8
115 55.1 45.9 68.9



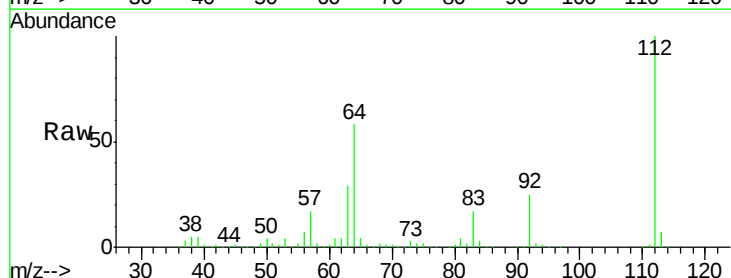
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



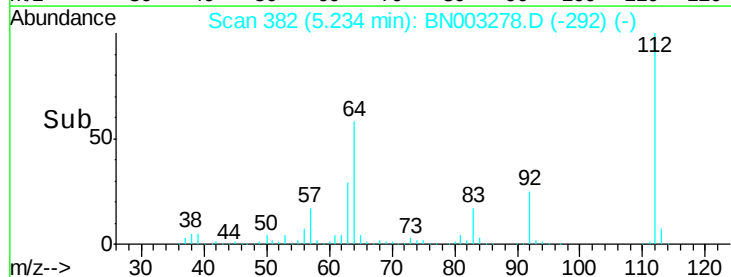
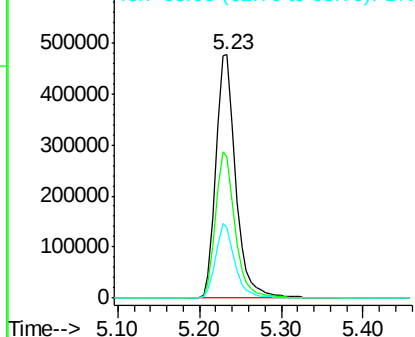
#5

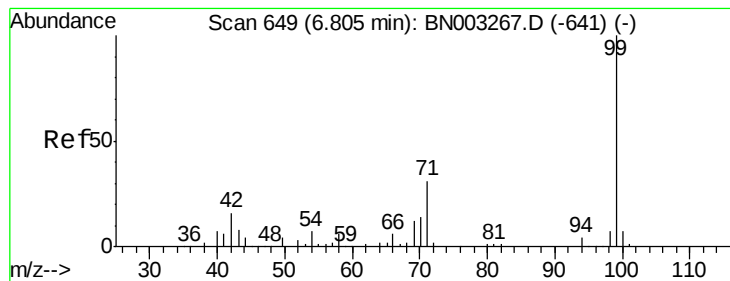
2-Fluorophenol
Concen: 144.334 ng
RT: 5.23 min Scan# 382
Delta R.T. 0.00 min
Lab File: BN003278.D
Acq: 24 Oct 2018 19:06

Tgt Ion:112 Resp: 811892
Ion Ratio Lower Upper
112 100
64 58.1 46.6 69.8
63 29.2 23.8 35.8



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: 143.098 ng

RT: 6.80 min Scan# 648

Delta R.T. -0.01 min

Lab File: BN003278.D

Acq: 24 Oct 2018 19:06

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

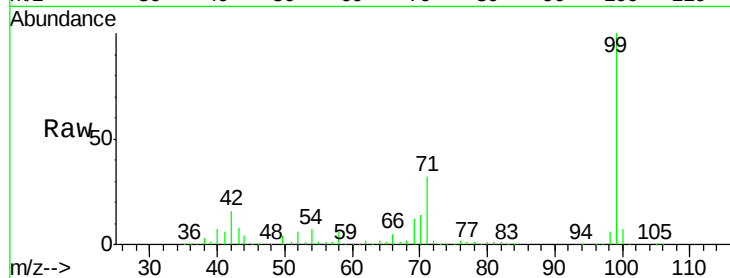
Tgt Ion: 99 Resp: 1144586

Ion Ratio Lower Upper

99 100

42 16.5 13.0 19.6

71 31.7 24.5 36.7

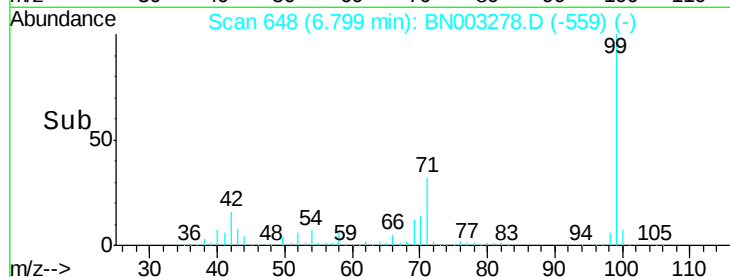


Abundance Ion 99.00 (98.70 to 99.70): BN003267.D (-641) (-)

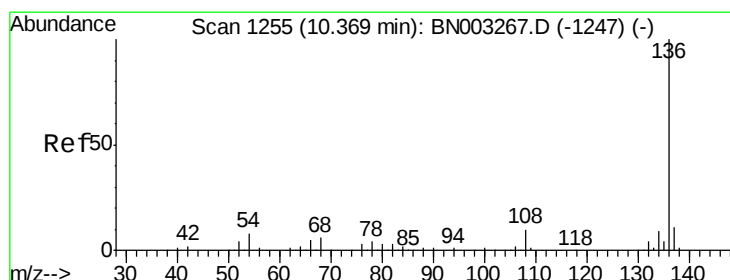
Ion 42.00 (41.70 to 42.70): BN003267.D (-641) (-)

Ion 71.00 (70.70 to 71.70): BN003267.D (-641) (-)

6.80



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.37 min Scan# 1255

Delta R.T. -0.00 min

Lab File: BN003278.D

Acq: 24 Oct 2018 19:06

Tgt Ion: 136 Resp: 453706

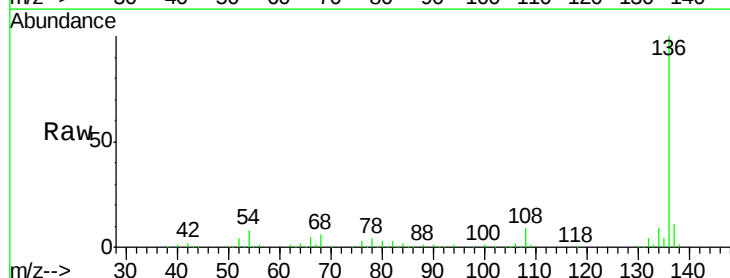
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 8.1 6.6 10.0

68 6.4 4.6 7.0



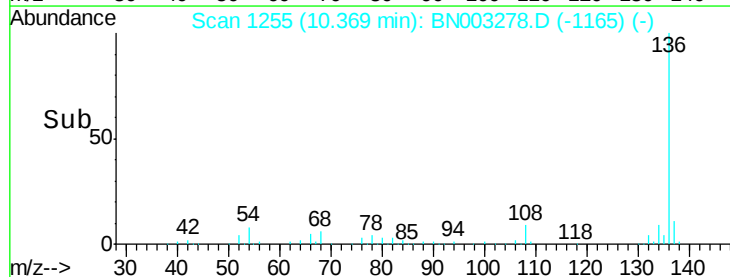
Abundance Ion 136.00 (135.70 to 136.70): BN003267.D (-1247) (-)

Ion 137.00 (136.70 to 137.70): BN003267.D (-1247) (-)

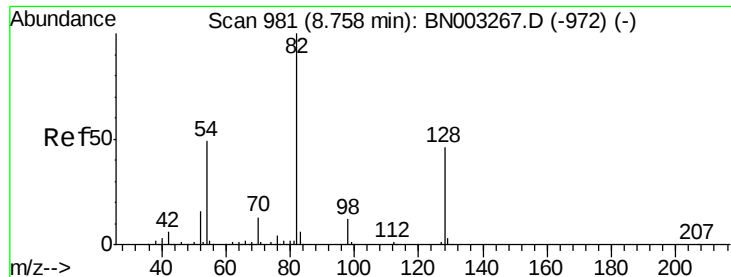
Ion 54.00 (53.70 to 54.70): BN003267.D (-1247) (-)

Ion 68.00 (67.70 to 68.70): BN003267.D (-1247) (-)

10.37



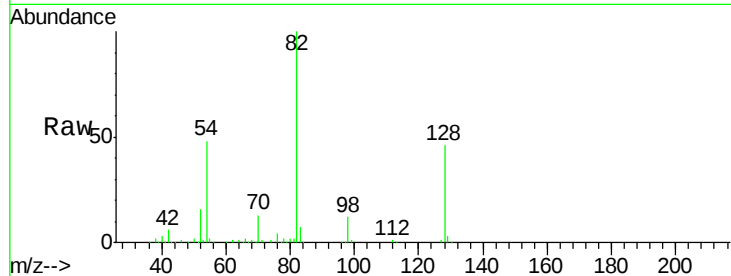
Time-->



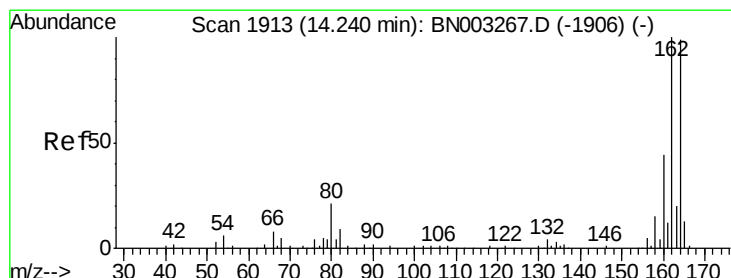
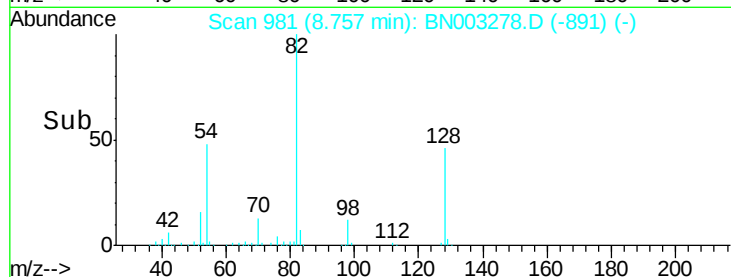
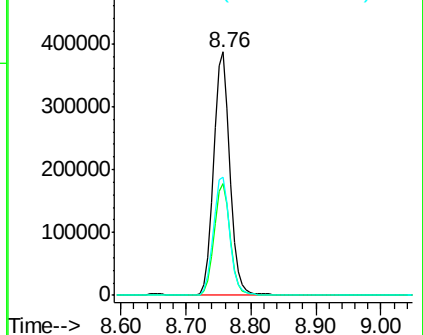
#23
Nitrobenzene-d5
Concen: 84.543 ng
RT: 8.76 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN003278.D
Acq: 24 Oct 2018 19:06

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

Tgt Ion: 82 Resp: 668846
Ion Ratio Lower Upper
82 100
128 46.0 37.1 55.7
54 48.5 39.4 59.2

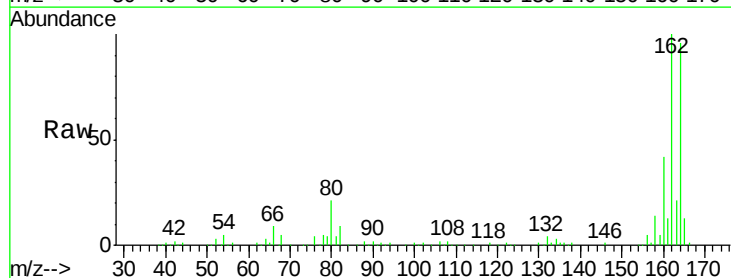


Abundance Ion 82.00 (81.70 to 82.70): BN003267.D (-972) (-)
Ion 128.00 (127.70 to 128.70): BN003267.D (-972) (-)
Ion 54.00 (53.70 to 54.70): BN003267.D (-972) (-)

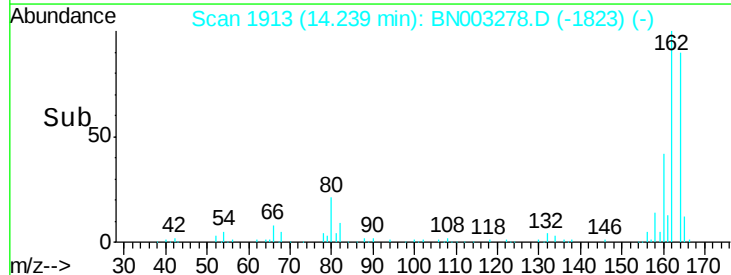
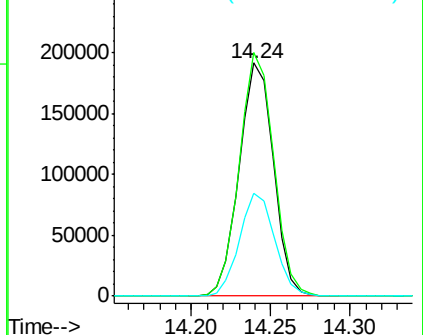


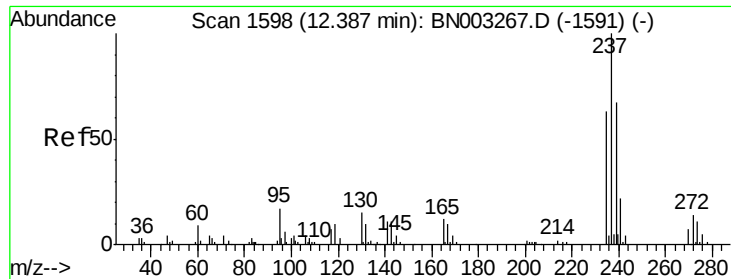
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.24 min Scan# 1913
Delta R.T. -0.00 min
Lab File: BN003278.D
Acq: 24 Oct 2018 19:06

Tgt Ion: 164 Resp: 288161
Ion Ratio Lower Upper
164 100
162 104.4 80.8 121.2
160 44.0 35.5 53.3



Abundance Ion 164.00 (163.70 to 164.70): BN003267.D (-1906) (-)
Ion 162.00 (161.70 to 162.70): BN003267.D (-1906) (-)
Ion 160.00 (159.70 to 160.70): BN003267.D (-1906) (-)





#41

Hexachlorocyclopentadiene

Concen: 12.024 ng

RT: 12.39 min Scan# 1598

Delta R.T. 0.00 min

Lab File: BN003278.D

Acq: 24 Oct 2018 19:06

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

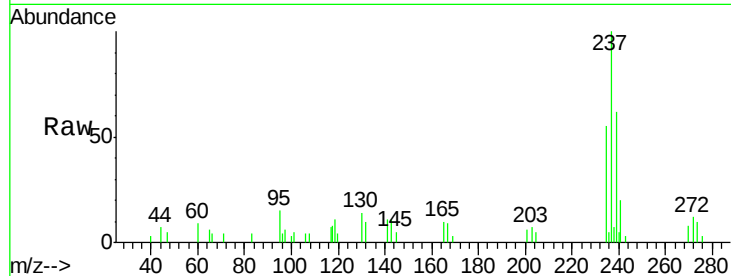
Tgt Ion: 237 Resp: 14402

Ion Ratio Lower Upper

237 100

235 54.5 42.8 82.8

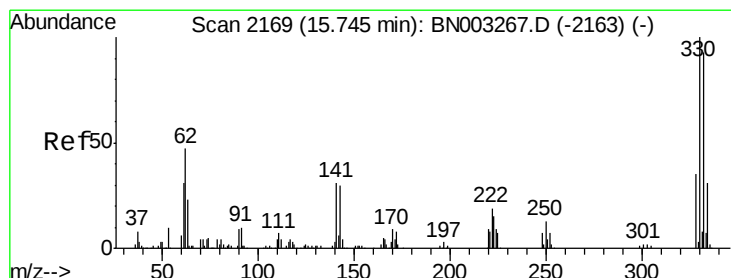
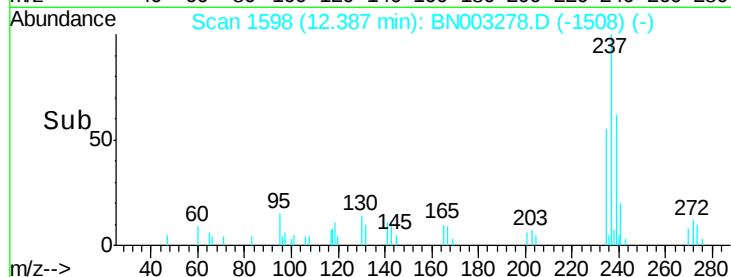
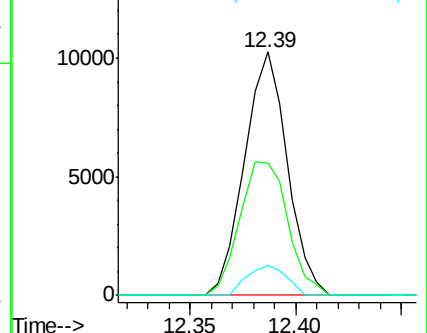
272 12.2 0.0 33.5



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: 140.580 ng

RT: 15.75 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BN003278.D

Acq: 24 Oct 2018 19:06

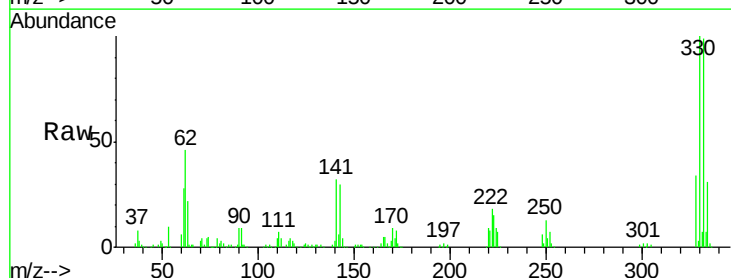
Tgt Ion: 330 Resp: 545478

Ion Ratio Lower Upper

330 100

332 97.8 76.6 114.8

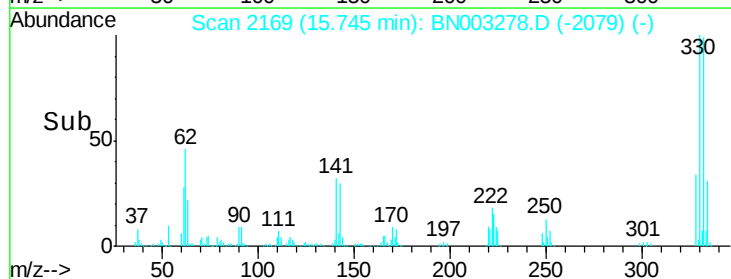
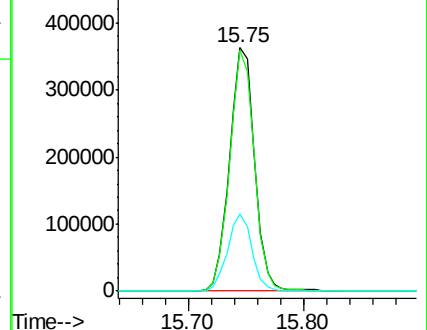
141 30.9 24.5 36.7

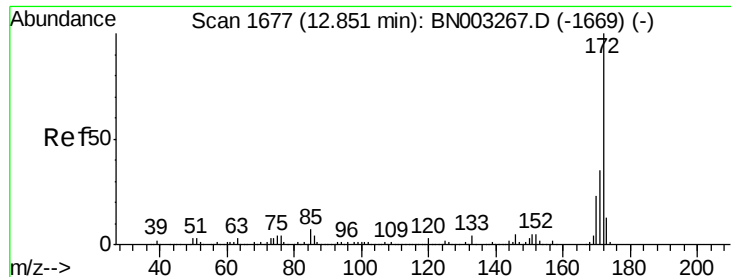


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

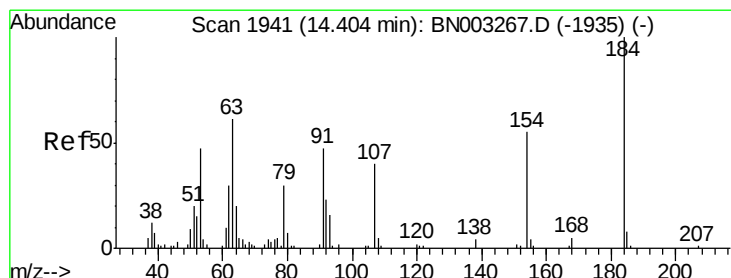
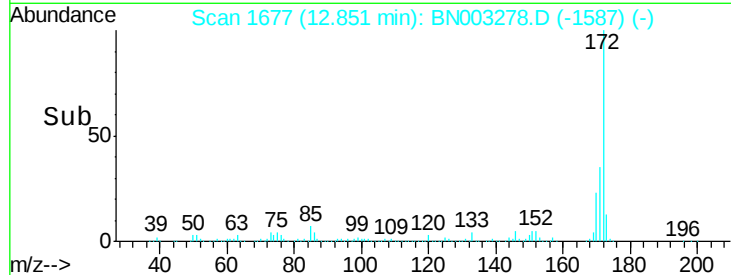
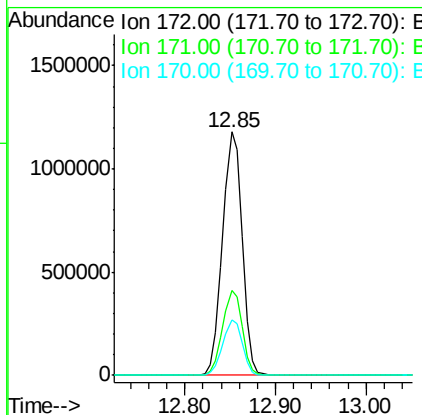
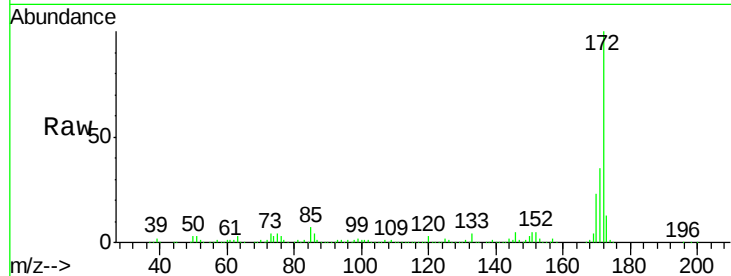




#45
 2-Fluorobiphenyl
 Concen: 83.308 ng
 RT: 12.85 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: BN003278.D
 Acq: 24 Oct 2018 19:06

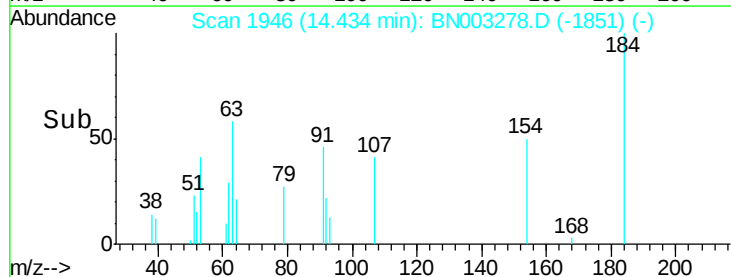
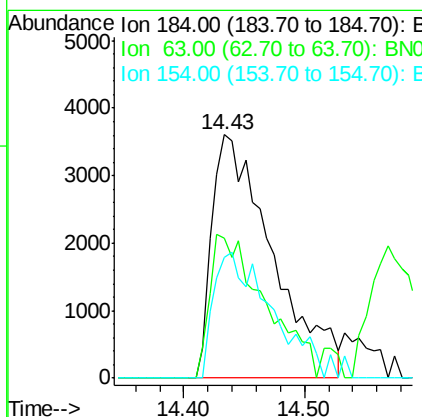
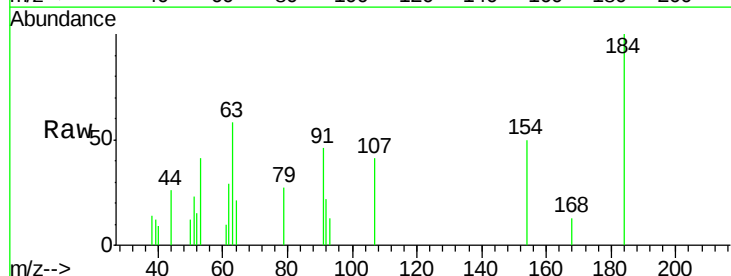
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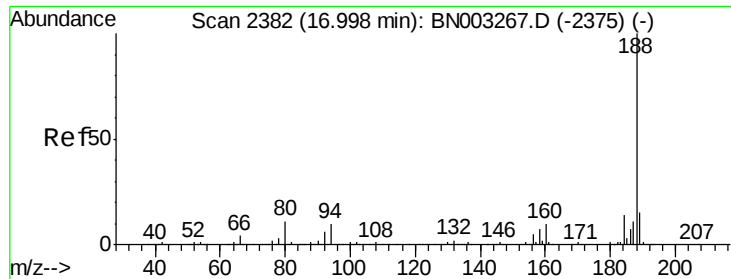
Tgt Ion:172 Resp: 1769798
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.2 42.4
 170 22.6 18.4 27.6



#54
 2,4-Dinitrophenol
 Concen: 10.251 ng
 RT: 14.43 min Scan# 1946
 Delta R.T. 0.03 min
 Lab File: BN003278.D
 Acq: 24 Oct 2018 19:06

Tgt Ion:184 Resp: 12536
 Ion Ratio Lower Upper
 184 100
 63 57.6 49.0 73.4
 154 49.8 44.2 66.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.00 min Scan# 2382

Delta R.T. -0.00 min

Lab File: BN003278.D

Acq: 24 Oct 2018 19:06

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

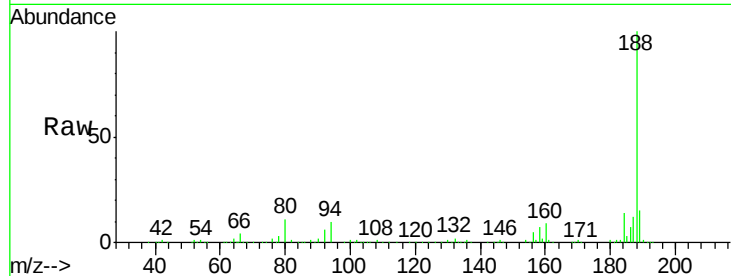
Tgt Ion:188 Resp: 678233

Ion Ratio Lower Upper

188 100

94 9.8 8.1 12.1

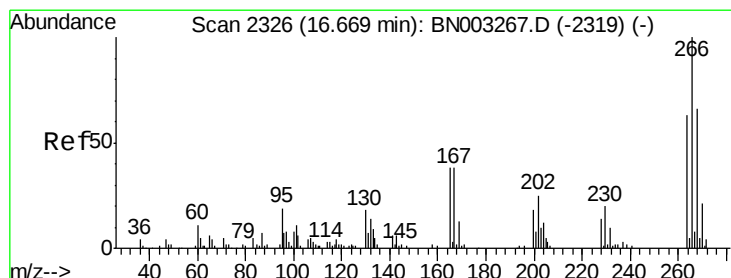
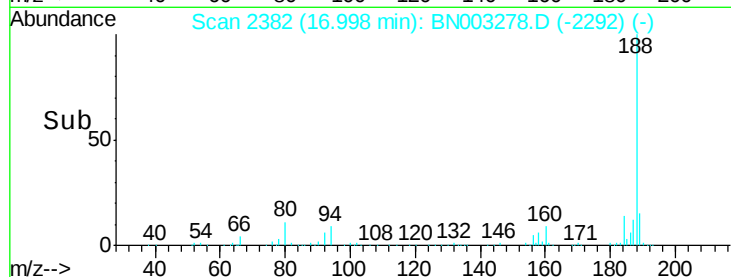
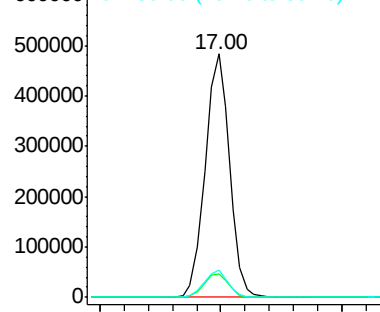
80 11.0 8.6 13.0



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#70

Pentachlorophenol

Concen: 9.773 ng

RT: 16.68 min Scan# 2328

Delta R.T. 0.01 min

Lab File: BN003278.D

Acq: 24 Oct 2018 19:06

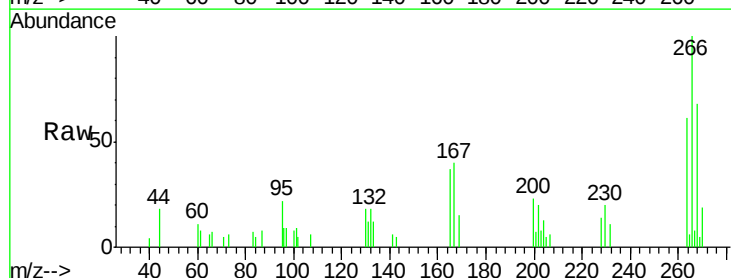
Tgt Ion:266 Resp: 15508

Ion Ratio Lower Upper

266 100

268 67.7 52.5 78.7

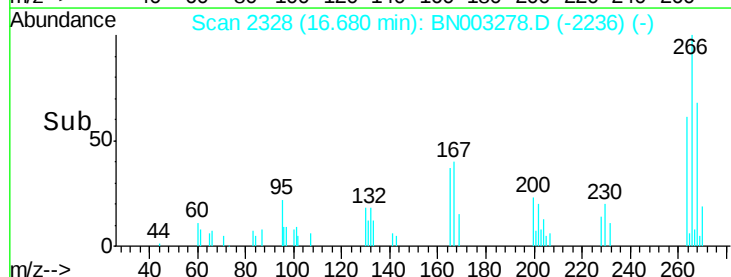
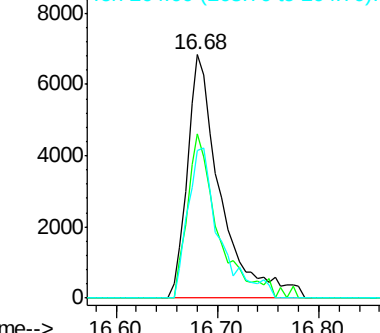
264 60.9 50.3 75.5

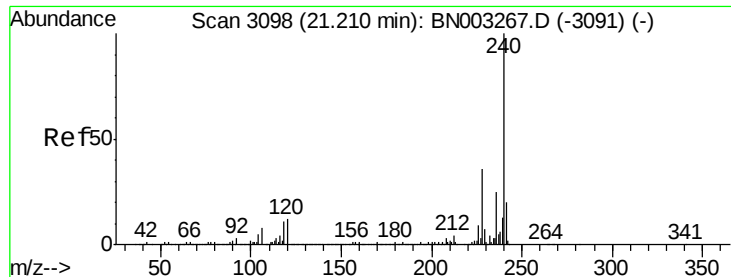


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

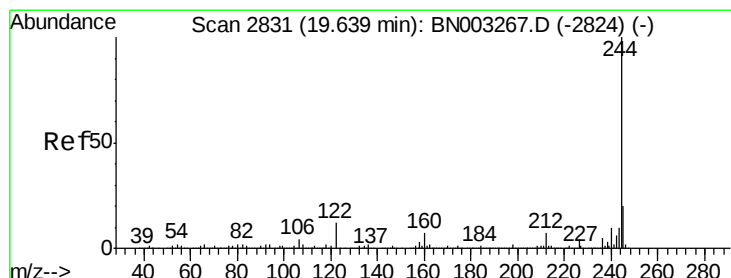
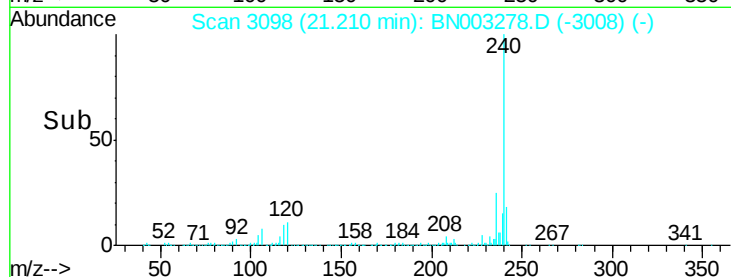
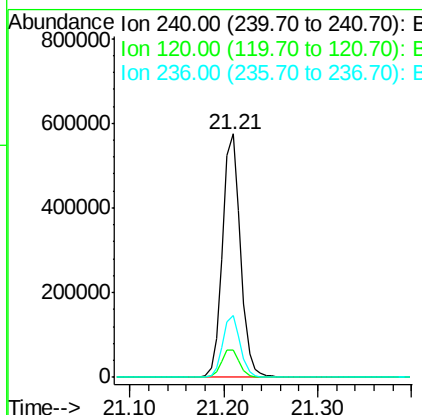
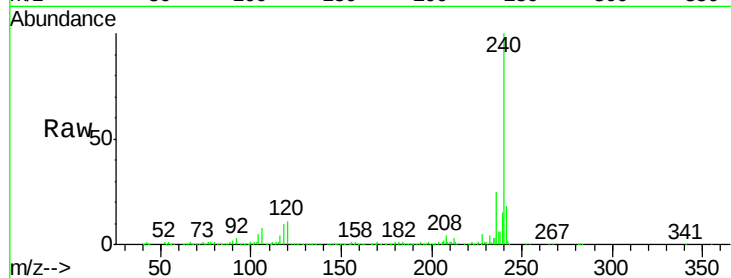




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.21 min Scan# 3098
Delta R.T. -0.00 min
Lab File: BN003278.D
Acq: 24 Oct 2018 19:06

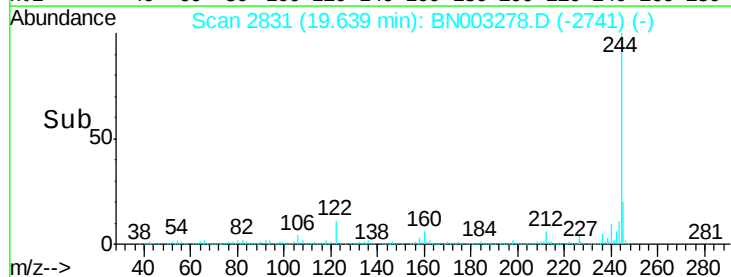
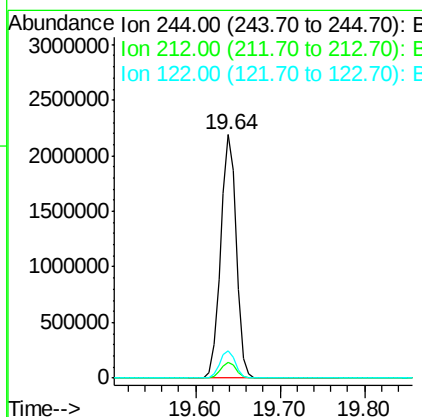
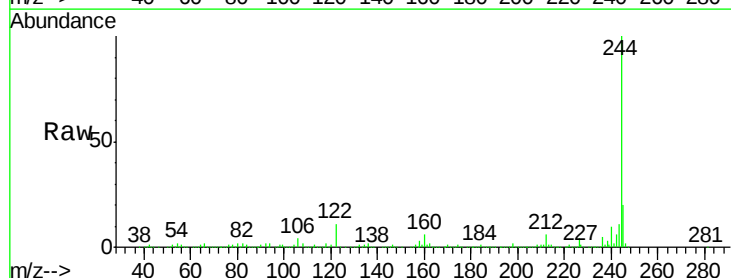
Instrument :
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LOD-MDL-SOIL-01-QT4-2018

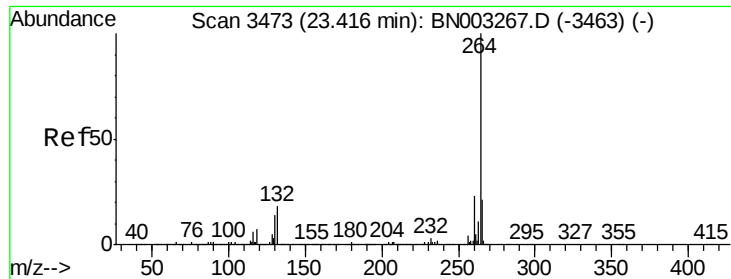
Tgt Ion:240 Resp: 762554
Ion Ratio Lower Upper
240 100
120 11.0 9.4 14.0
236 25.5 20.3 30.5



#79
Terphenyl-d14
Concen: 79.377 ng
RT: 19.64 min Scan# 2831
Delta R.T. -0.00 min
Lab File: BN003278.D
Acq: 24 Oct 2018 19:06

Tgt Ion:244 Resp: 2830403
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 11.4 9.4 14.2





#87
Perylene-d12
Concen: 20.000 ng
RT: 23.42 min Scan# 3473
Delta R.T. -0.00 min
Lab File: BN003278.D
Acq: 24 Oct 2018 19:06

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

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	22.0	16.6	25.0

