

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN102418\
 Data File : BN003276.D
 Acq On : 24 Oct 2018 17:55
 Operator : MJ/SJ
 Sample : J5164-01
 Misc : LOD 2PPM
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Oct 25 06:38:47 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	94555	20.00	ng	0.00
21) Naphthalene-d8	10.37	136	440986	20.00	ng	0.00
39) Acenaphthene-d10	14.24	164	278103	20.00	ng	0.00
64) Phenanthrene-d10	17.00	188	661679	20.00	ng	0.00
76) Chrysene-d12	21.21	240	754482	20.00	ng	0.00
87) Perylene-d12	23.42	264	793114	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.23	112	767572	141.39	ng	0.00
7) Phenol-d6	6.80	99	1066551	138.16	ng	0.00
23) Nitrobenzene-d5	8.76	82	640807	83.34	ng	0.00
42) 2,4,6-Tribromophenol	15.75	330	538018	143.67	ng	0.00
45) 2-Fluorobiphenyl	12.85	172	1697341	82.79	ng	0.00
79) Terphenyl-d14	19.64	244	2714061	76.93	ng	0.00

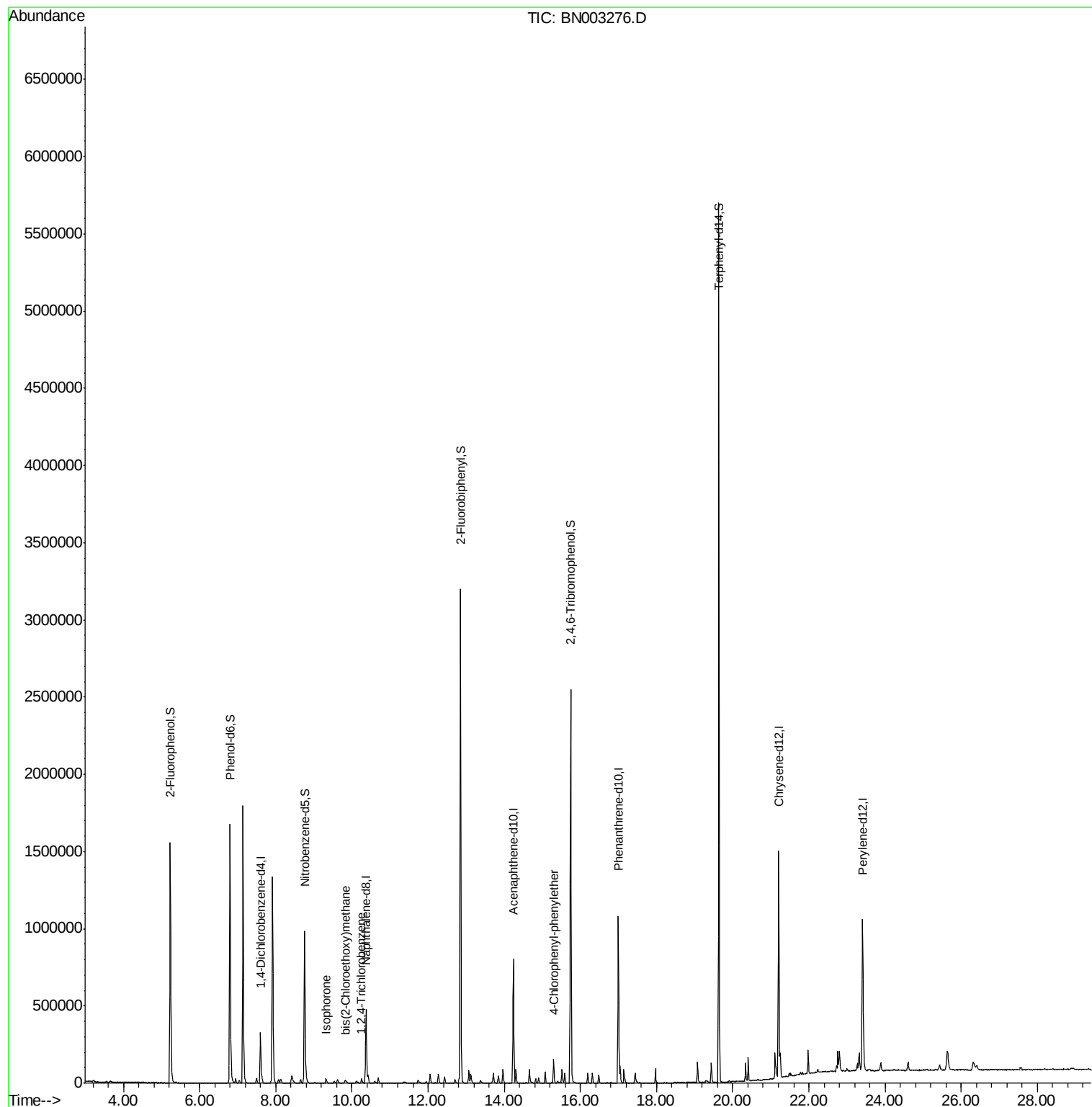
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	9.32	82	29197	2.165	ng	99
28) bis(2-Chloroethoxy)methane	9.82	93	17928	1.973	ng	92
30) 1,2,4-Trichlorobenzene	10.25	180	14548	1.931	ng	99
61) 4-Chlorophenyl-phenylether	15.30	204	23242	1.996	ng	97

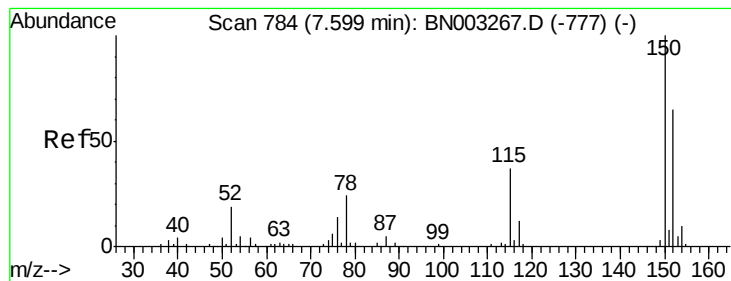
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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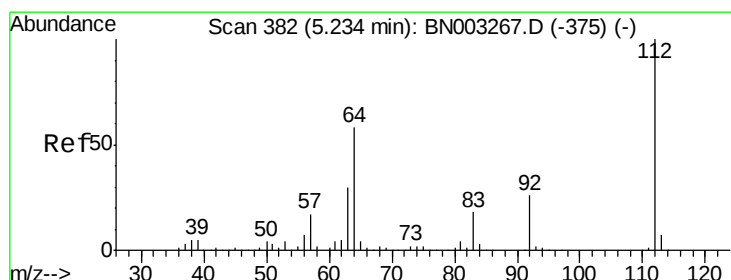
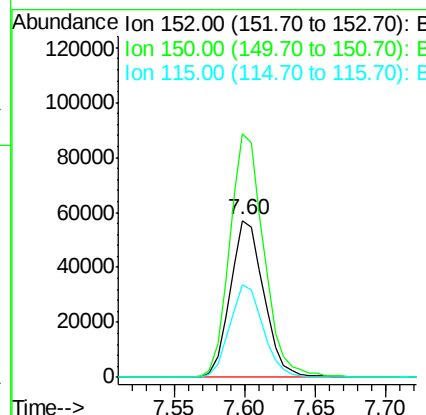
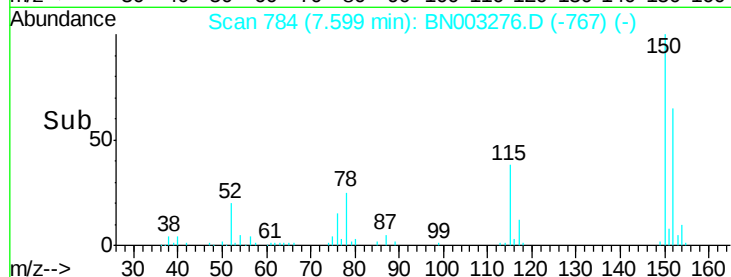
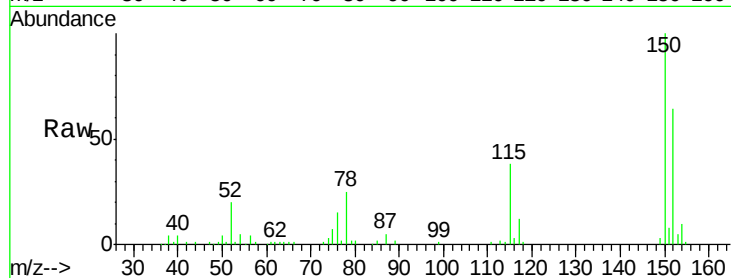




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.60 min Scan# 784
 Delta R.T. -0.00 min
 Lab File: BN003276.D
 Acq: 24 Oct 2018 17:55

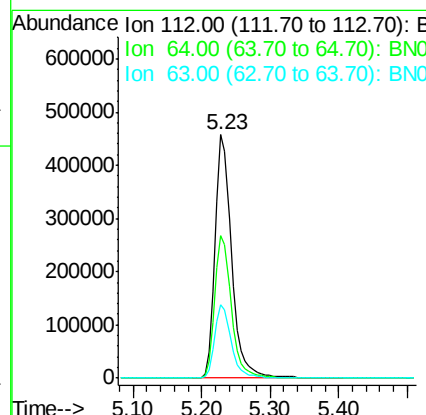
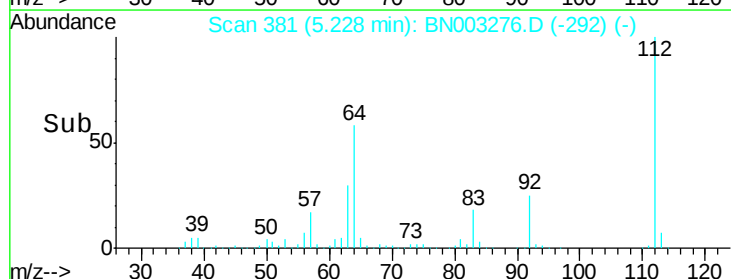
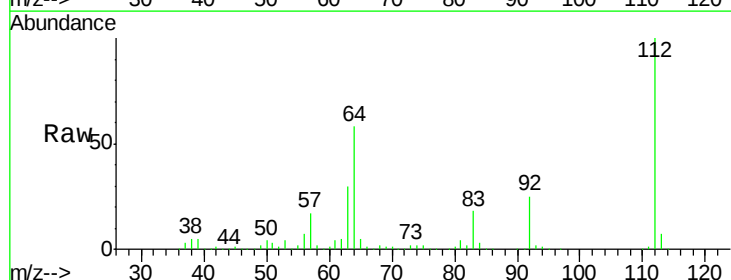
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 BNA_N
 ClientSampleId :
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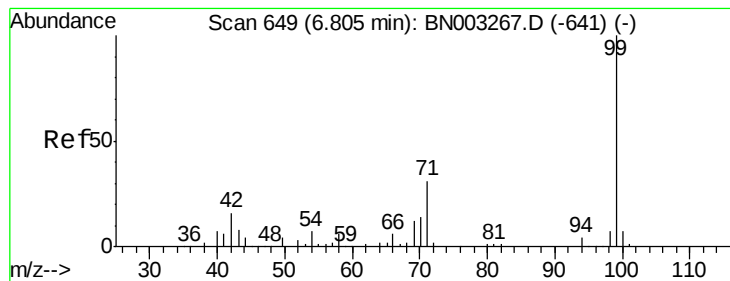
Tgt Ion:152 Resp: 94555
 Ion Ratio Lower Upper
 152 100
 150 155.2 123.8 185.8
 115 58.7 45.9 68.9



#5
 2-Fluorophenol
 Concen: 141.390 ng
 RT: 5.23 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: BN003276.D
 Acq: 24 Oct 2018 17:55

Tgt Ion:112 Resp: 767572
 Ion Ratio Lower Upper
 112 100
 64 58.5 46.6 69.8
 63 30.0 23.8 35.8





#7

Phenol-d6

Concen: 138.165 ng

RT: 6.80 min Scan# 648

Delta R.T. -0.01 min

Lab File: BN003276.D

Acq: 24 Oct 2018 17:55

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

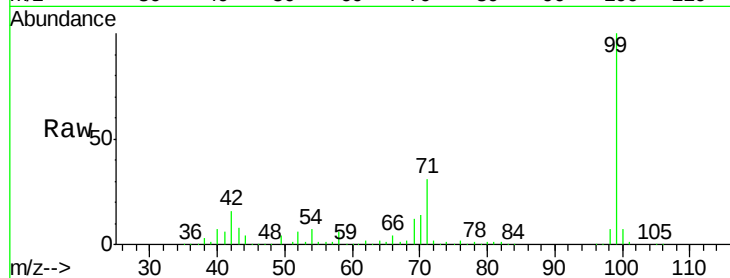
Tgt Ion: 99 Resp: 1066551

Ion Ratio Lower Upper

99 100

42 16.0 13.0 19.6

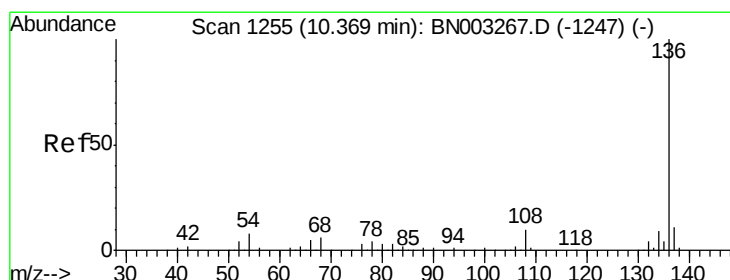
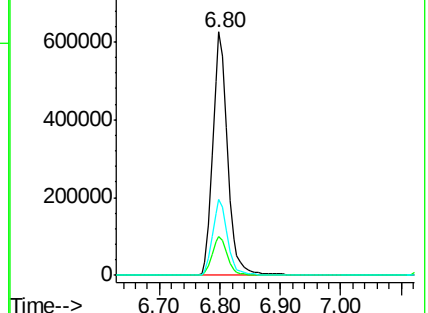
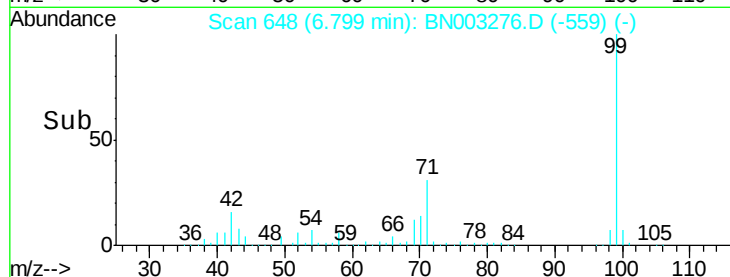
71 31.3 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BN003276.D (-641) (-)

Ion 42.00 (41.70 to 42.70): BN003276.D (-641) (-)

Ion 71.00 (70.70 to 71.70): BN003276.D (-641) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.37 min Scan# 1255

Delta R.T. -0.00 min

Lab File: BN003276.D

Acq: 24 Oct 2018 17:55

Tgt Ion: 136 Resp: 440986

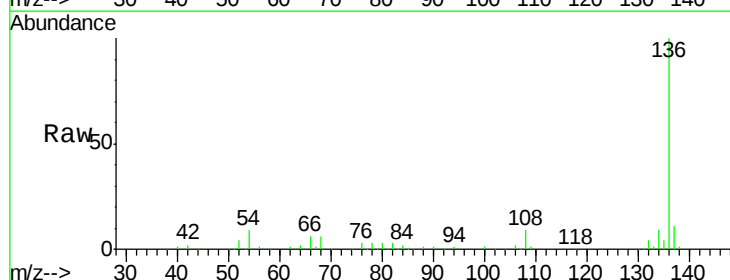
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 8.5 6.6 10.0

68 6.4 4.6 7.0

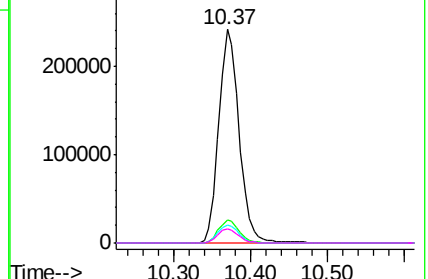
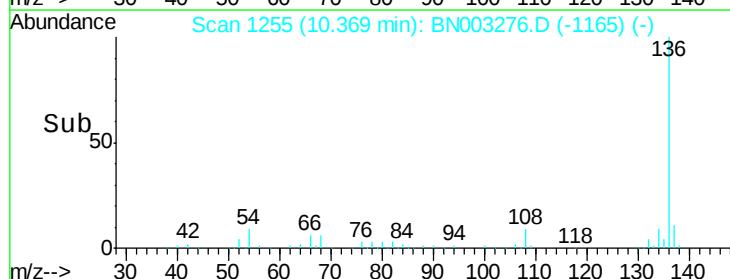


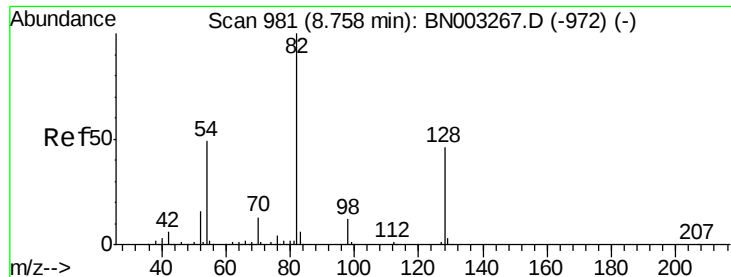
Abundance Ion 136.00 (135.70 to 136.70): BN003276.D (-1247) (-)

Ion 137.00 (136.70 to 137.70): BN003276.D (-1247) (-)

Ion 54.00 (53.70 to 54.70): BN003276.D (-1247) (-)

Ion 68.00 (67.70 to 68.70): BN003276.D (-1247) (-)

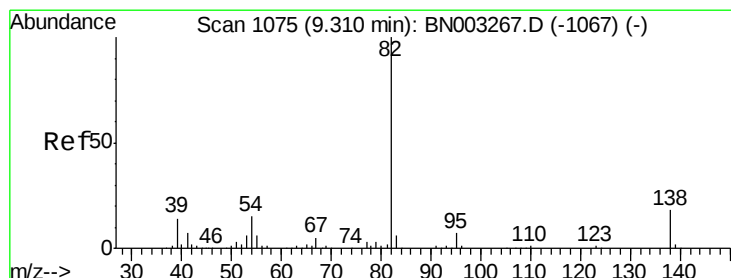
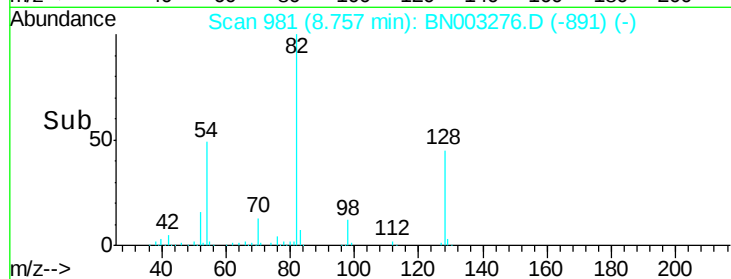
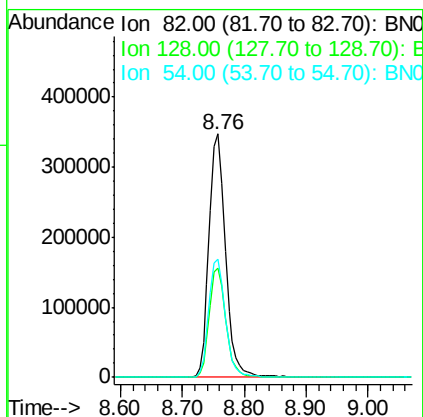
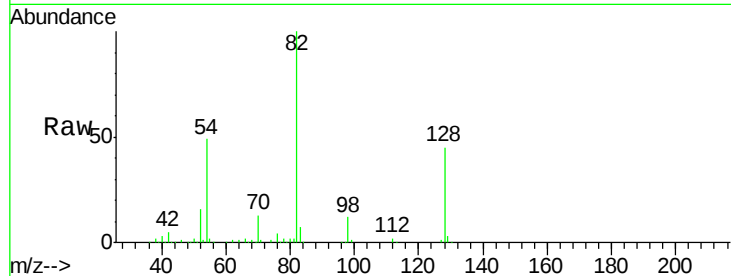




#23
Nitrobenzene-d5
Concen: 83.336 ng
RT: 8.76 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN003276.D
Acq: 24 Oct 2018 17:55

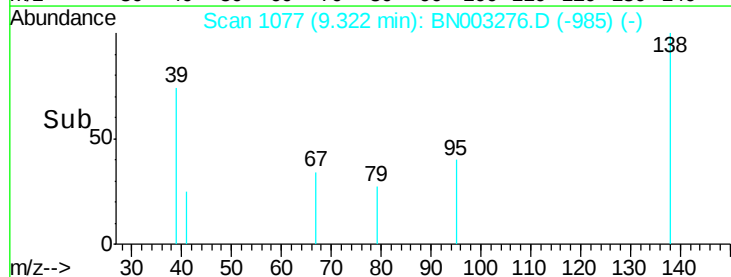
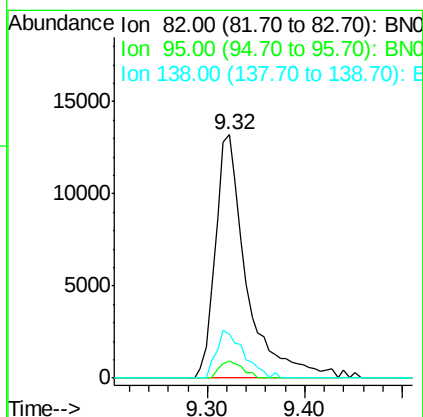
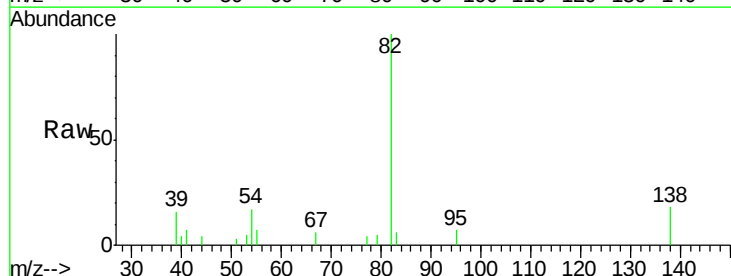
Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT4-2018

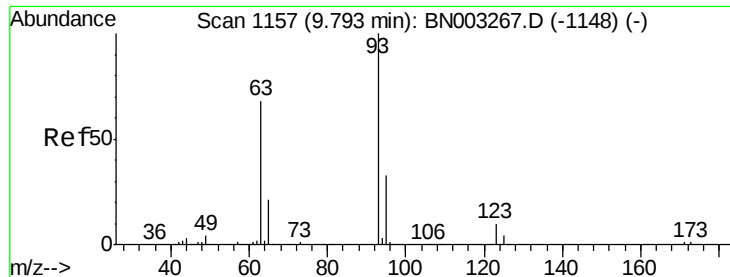
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.7	37.1	55.7
54	48.7	39.4	59.2



#25
Isophorone
Concen: 2.165 ng
RT: 9.32 min Scan# 1077
Delta R.T. 0.01 min
Lab File: BN003276.D
Acq: 24 Oct 2018 17:55

Tgt Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.4	8.0
138	17.9	14.5	21.7

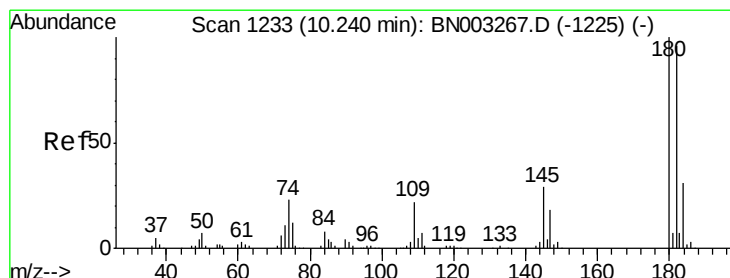
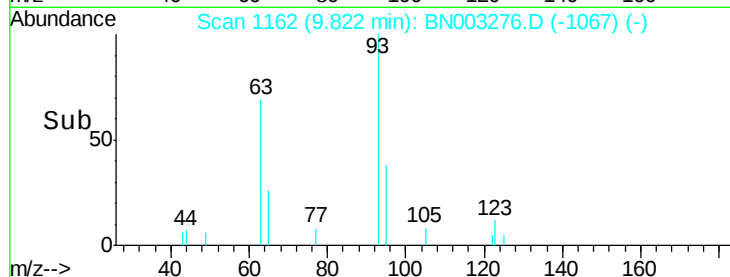
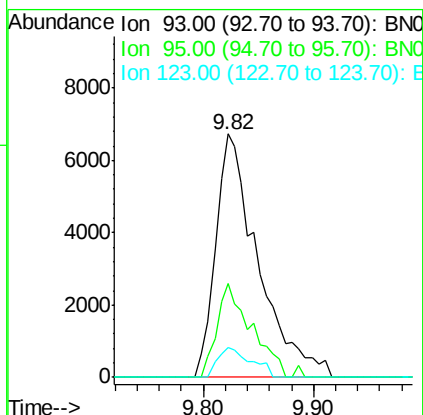
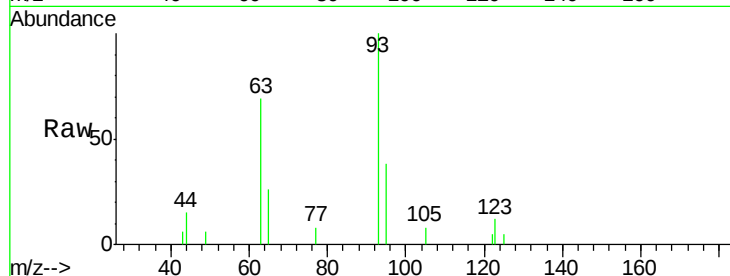




#28
 bis(2-Chloroethoxy)methane
 Concen: 1.973 ng
 RT: 9.82 min Scan# 1162
 Delta R.T. 0.03 min
 Lab File: BN003276.D
 Acq: 24 Oct 2018 17:55

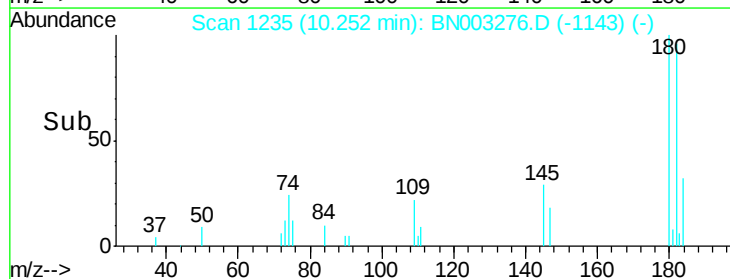
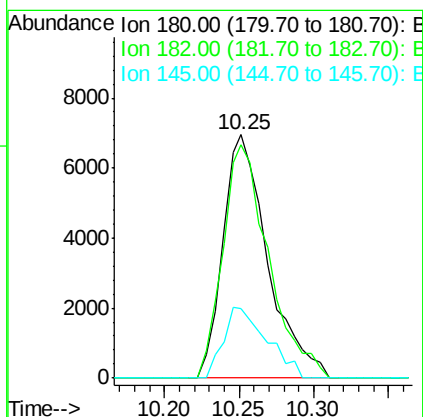
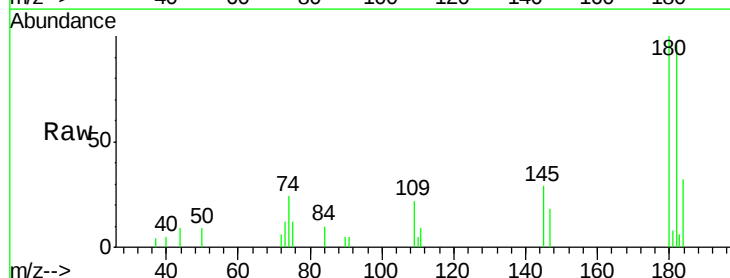
Instrument :
 BNA_N
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2018

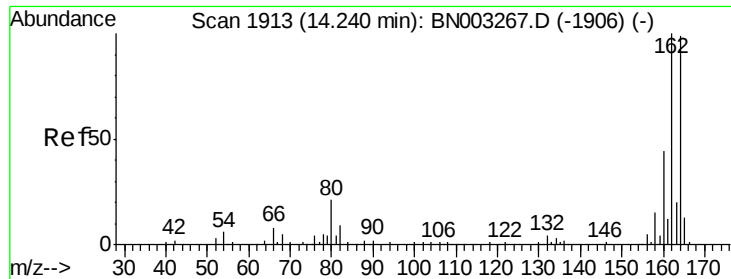
Tgt Ion: 93 Resp: 17928
 Ion Ratio Lower Upper
 93 100
 95 38.5 26.2 39.4
 123 12.1 9.1 13.7



#30
 1,2,4-Trichlorobenzene
 Concen: 1.931 ng
 RT: 10.25 min Scan# 1235
 Delta R.T. 0.01 min
 Lab File: BN003276.D
 Acq: 24 Oct 2018 17:55

Tgt Ion: 180 Resp: 14548
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.4 114.6
 145 28.7 23.6 35.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.24 min Scan# 1913

Delta R.T. -0.00 min

Lab File: BN003276.D

Acq: 24 Oct 2018 17:55

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

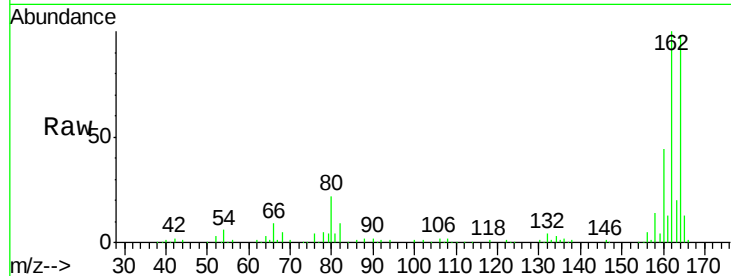
Tgt Ion:164 Resp: 278103

Ion Ratio Lower Upper

164 100

162 102.0 80.8 121.2

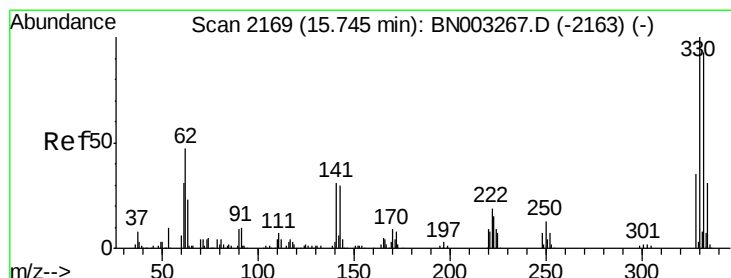
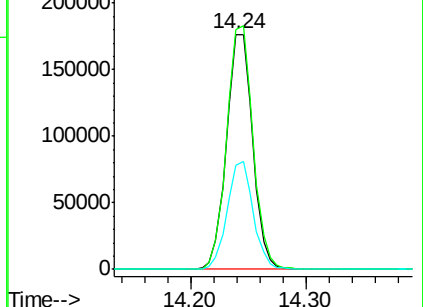
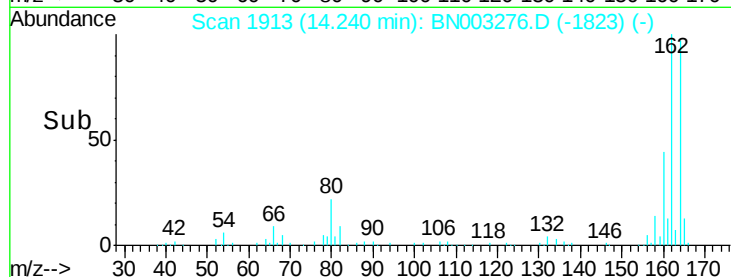
160 44.5 35.5 53.3



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: 143.673 ng

RT: 15.75 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BN003276.D

Acq: 24 Oct 2018 17:55

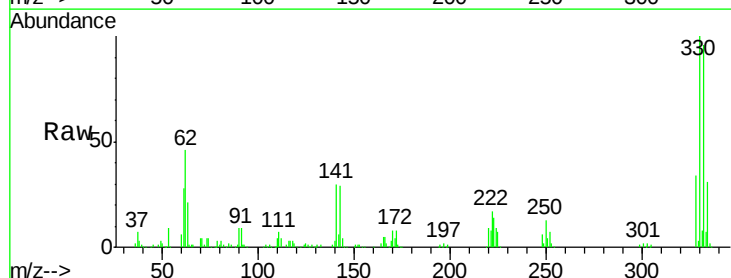
Tgt Ion:330 Resp: 538018

Ion Ratio Lower Upper

330 100

332 95.4 76.6 114.8

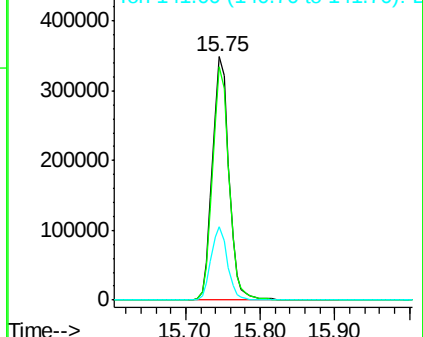
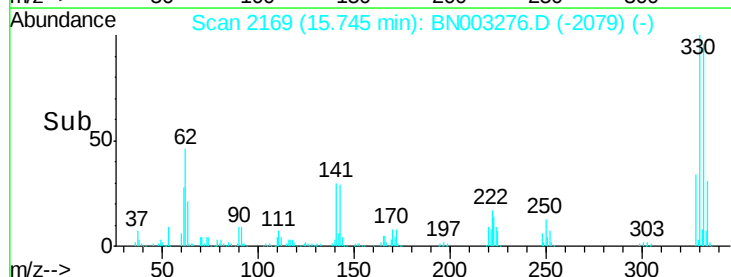
141 30.1 24.5 36.7

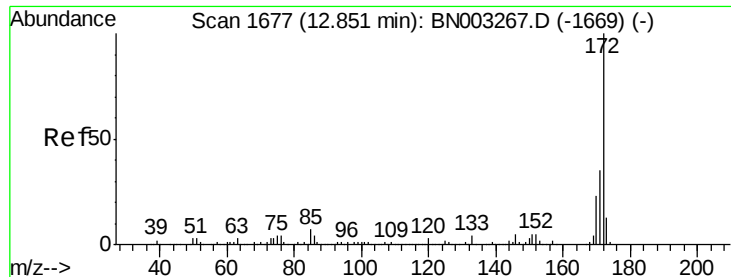


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

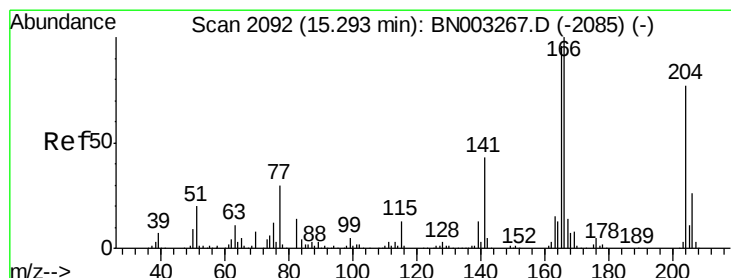
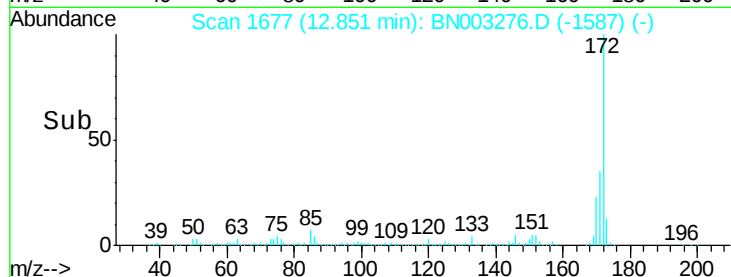
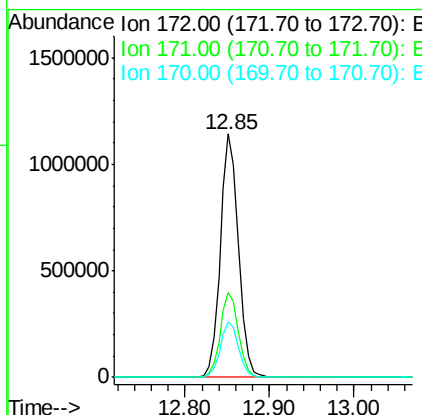
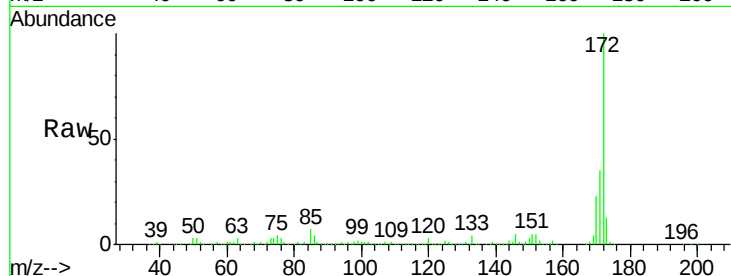




#45
 2-Fluorobiphenyl
 Concen: 82.786 ng
 RT: 12.85 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: BN003276.D
 Acq: 24 Oct 2018 17:55

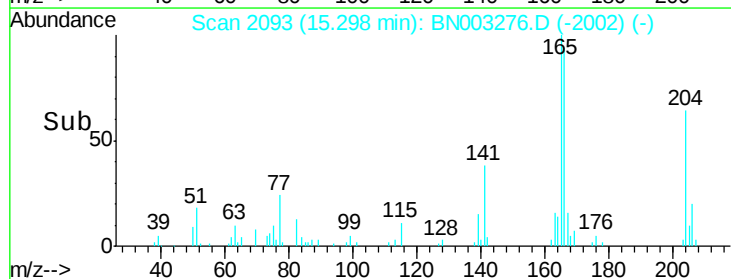
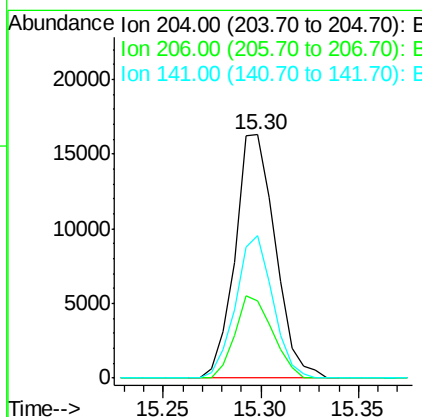
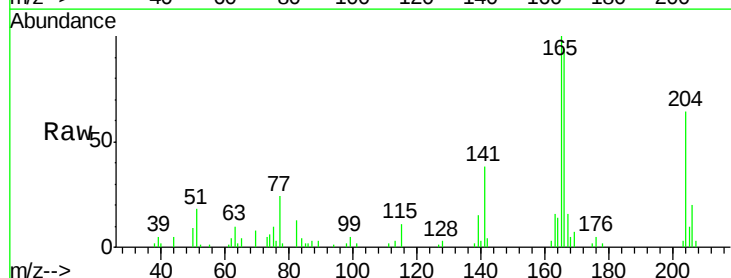
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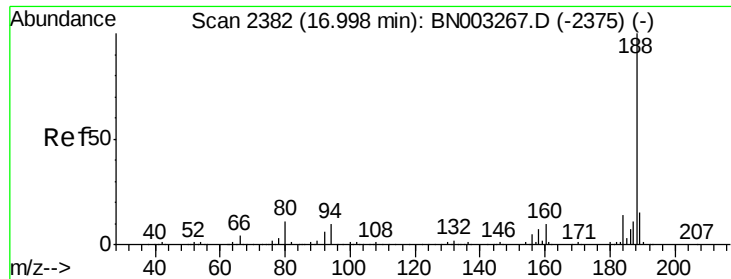
Tgt Ion:172 Resp: 1697341
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.2 42.4
 170 22.6 18.4 27.6



#61
 4-Chlorophenyl-phenylether
 Concen: 1.996 ng
 RT: 15.30 min Scan# 2093
 Delta R.T. 0.01 min
 Lab File: BN003276.D
 Acq: 24 Oct 2018 17:55

Tgt Ion:204 Resp: 23242
 Ion Ratio Lower Upper
 204 100
 206 31.8 26.6 39.8
 141 58.5 44.6 67.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.00 min Scan# 2382

Delta R.T. -0.00 min

Lab File: BN003276.D

Acq: 24 Oct 2018 17:55

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

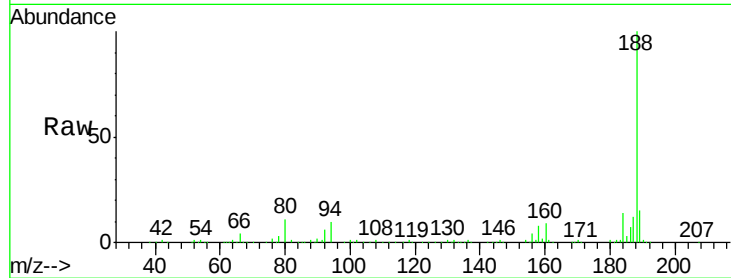
Tgt Ion:188 Resp: 661679

Ion Ratio Lower Upper

188 100

94 9.7 8.1 12.1

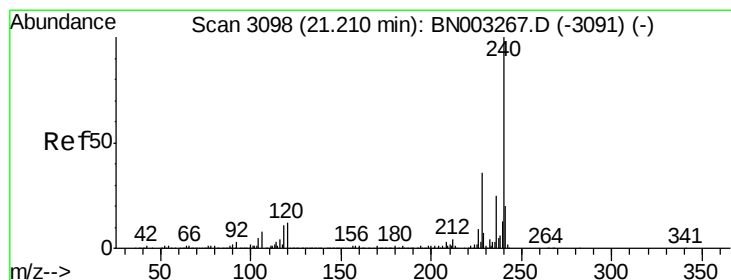
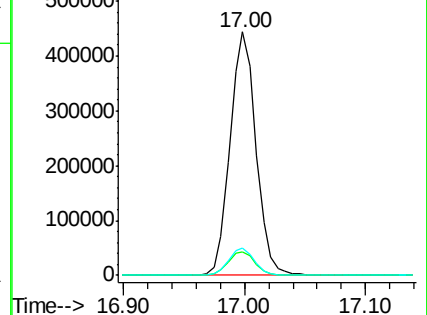
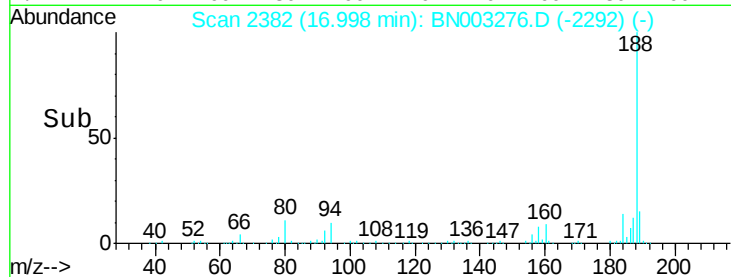
80 11.1 8.6 13.0



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.21 min Scan# 3098

Delta R.T. -0.00 min

Lab File: BN003276.D

Acq: 24 Oct 2018 17:55

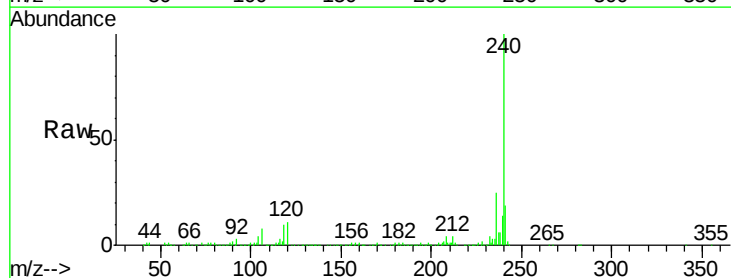
Tgt Ion:240 Resp: 754482

Ion Ratio Lower Upper

240 100

120 11.2 9.4 14.0

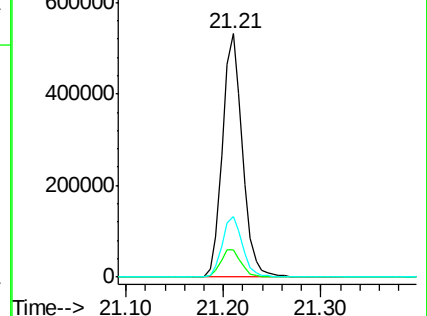
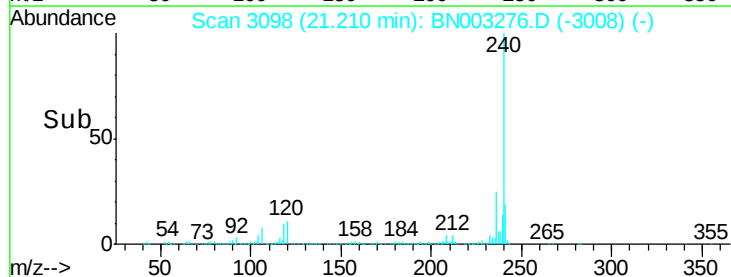
236 25.1 20.3 30.5

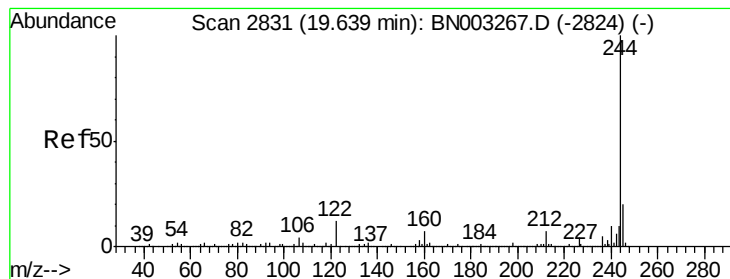


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 76.929 ng

RT: 19.64 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BN003276.D

Acq: 24 Oct 2018 17:55

Instrument :

BNA_N

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2018

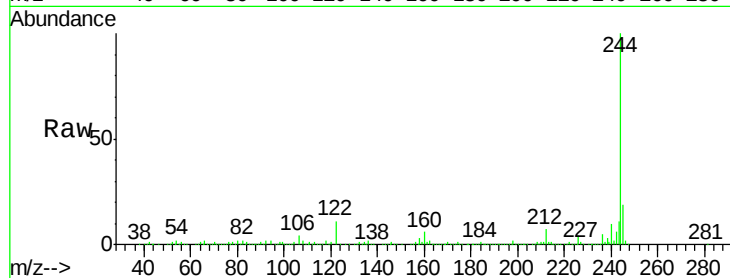
Tgt Ion:244 Resp: 2714061

Ion Ratio Lower Upper

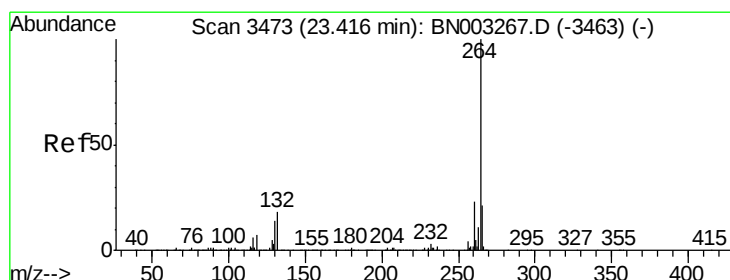
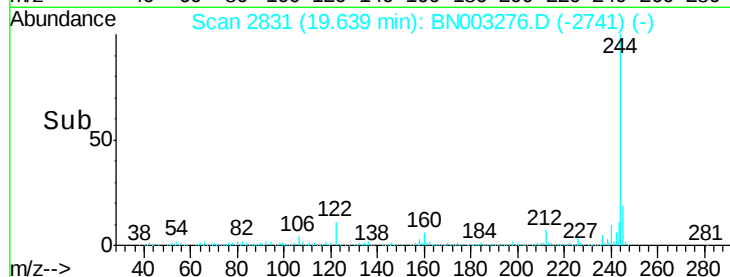
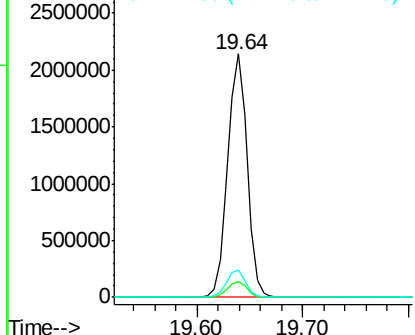
244 100

212 6.7 5.4 8.0

122 11.4 9.4 14.2



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: 23.42 min Scan# 3473

Delta R.T. -0.00 min

Lab File: BN003276.D

Acq: 24 Oct 2018 17:55

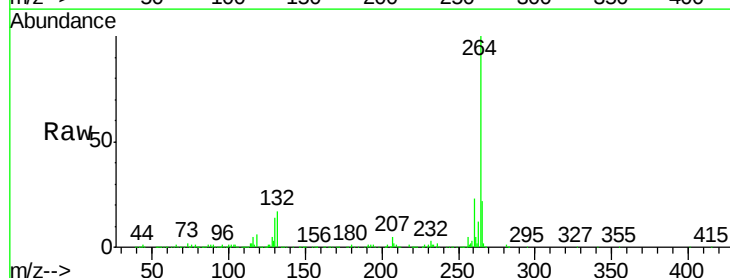
Tgt Ion:264 Resp: 793114

Ion Ratio Lower Upper

264 100

260 22.7 18.5 27.7

265 21.7 16.6 25.0



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

