

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051019\
 Data File : BM020261.D
 Acq On : 11 May 2019 04:30
 Operator : JU/SJ
 Sample : K2770-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-DRUM

Quant Time: May 11 05:55:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:58:37 2019
 Response via : Initial Calibration

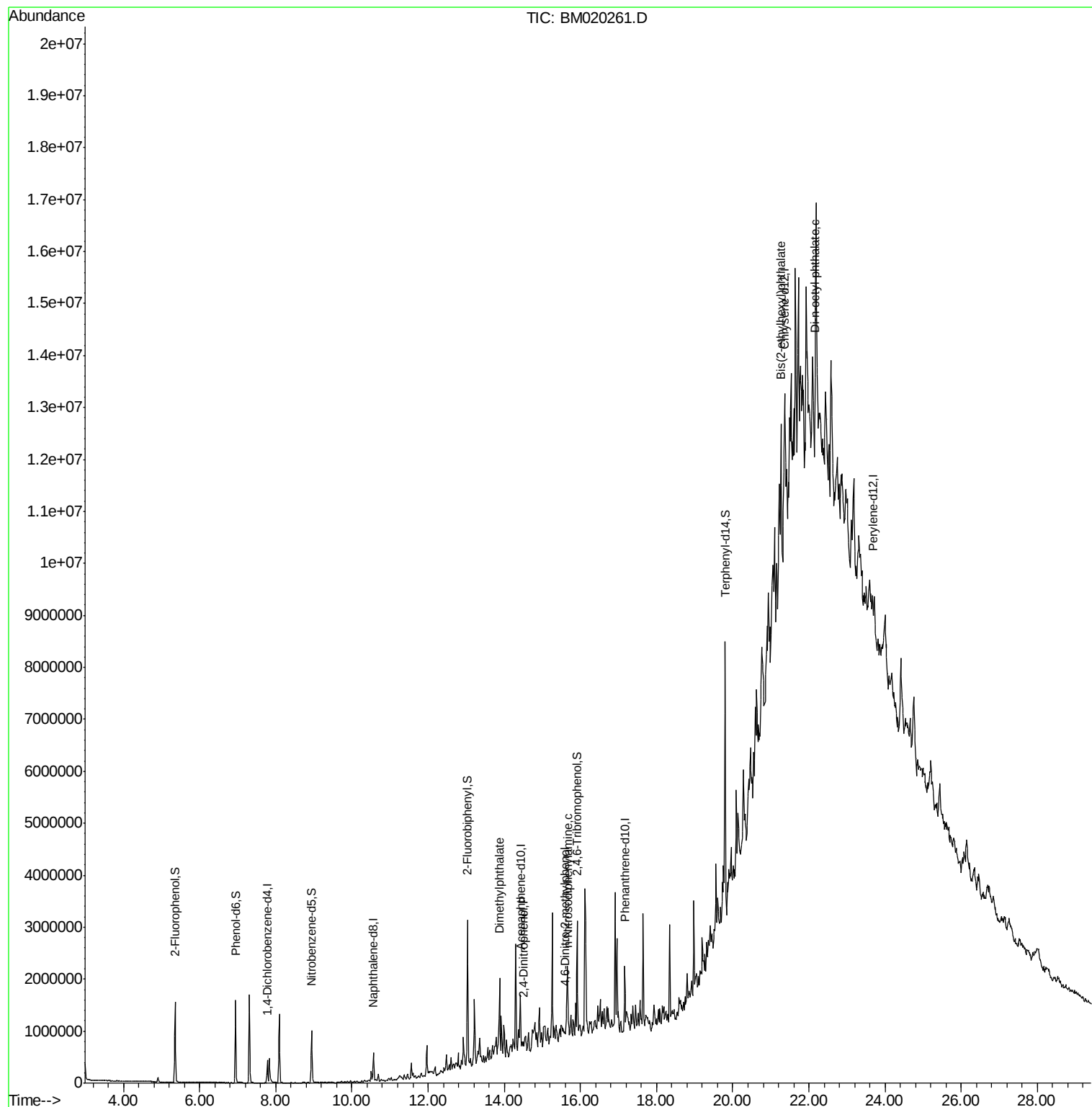
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	114291	20.00	ng	-0.02
21) Naphthalene-d8	10.57	136	433061	20.00	ng	-0.02
39) Acenaphthene-d10	14.42	164	284046	20.00	ng	-0.01
64) Phenanthrene-d10	17.17	188	645951	20.00	ng	-0.01
76) Chrysene-d12	21.36	240	582320	20.00	ng	0.00
87) Perylene-d12	23.67	264	591725	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	613705	87.77	ng	-0.01
7) Phenol-d6	6.95	99	889108	93.08	ng	0.00
23) Nitrobenzene-d5	8.94	82	655516	59.76	ng	-0.02
42) 2,4,6-Tribromophenol	15.92	330	414899	94.10	ng	0.00
45) 2-Fluorobiphenyl	13.04	172	1452114	62.90	ng	-0.02
79) Terphenyl-d14	19.80	244	2120780	63.52	ng	-0.01
Target Compounds						
50) Dimethylphthalate	13.87	163	184067	7.624	ng	99
54) 2,4-Dinitrophenol	14.50	184	108	8.510	ng	# 1
65) 4,6-Dinitro-2-methylphenol	15.59	198	1107	7.450	ng	# 1
66) n-Nitrosodiphenylamine	15.67	169	62791	3.303	ng	# 48
84) Bis(2-ethylhexyl)phthalate	21.26	149	553762	25.101	ng	92
85) Di-n-octyl phthalate	22.16	149	84305	2.299	ng	# 1

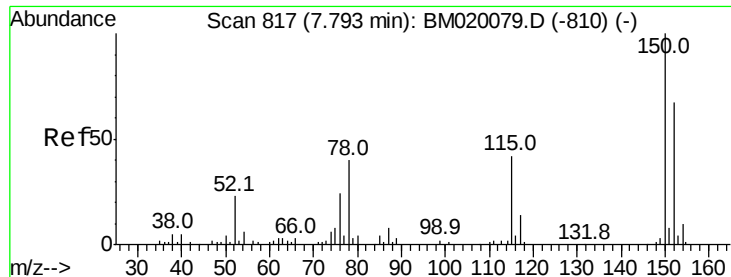
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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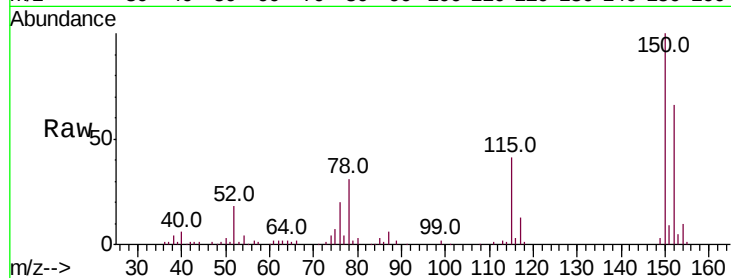


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.78 min Scan# 814
 Delta R.T. -0.02 min
 Lab File: BM020261.D
 Acq: 11 May 2019 04:30

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-DRUM

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.3	119.8	179.8
115	62.0	50.8	76.2

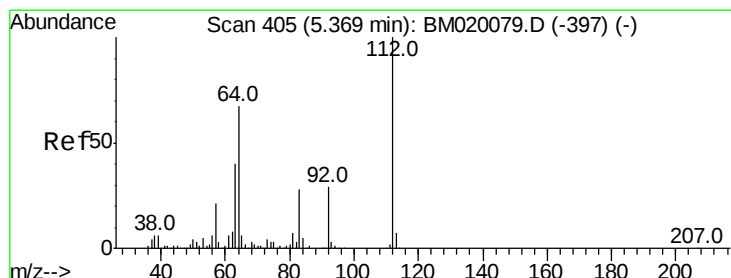
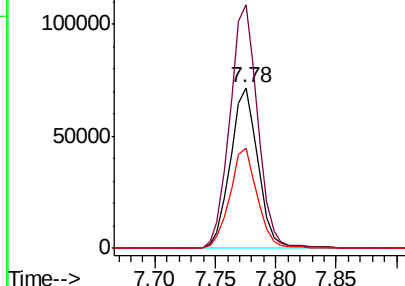
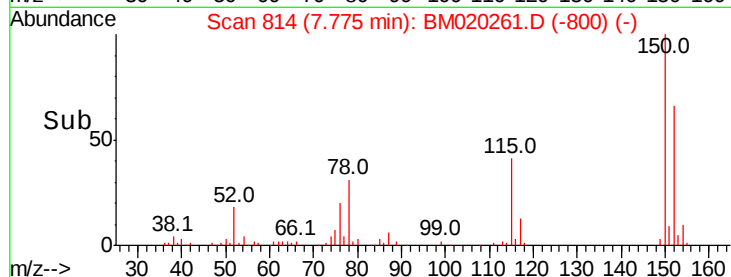


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

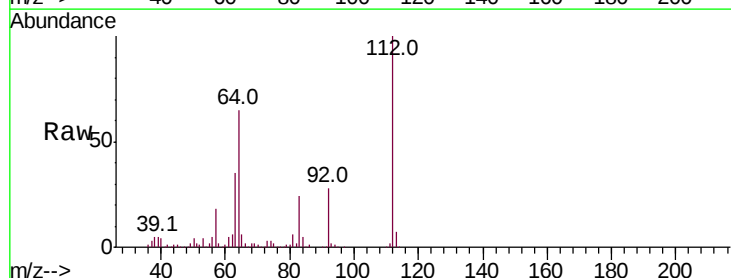
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 87.772 ng
 RT: 5.36 min Scan# 403
 Delta R.T. -0.01 min
 Lab File: BM020261.D
 Acq: 11 May 2019 04:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	53.8	80.6
63	34.7	32.3	48.5

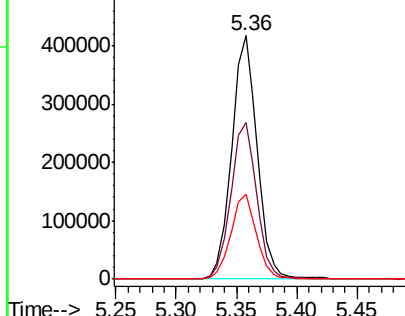
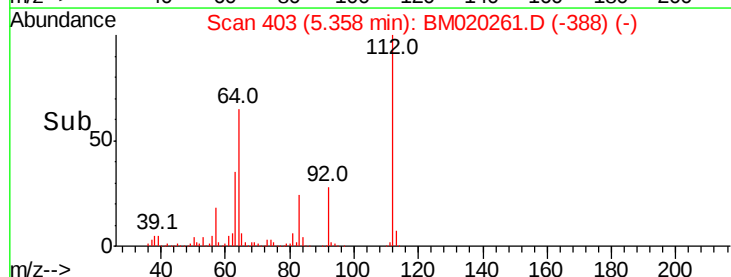


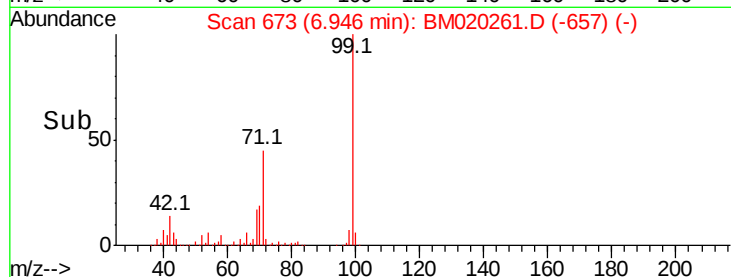
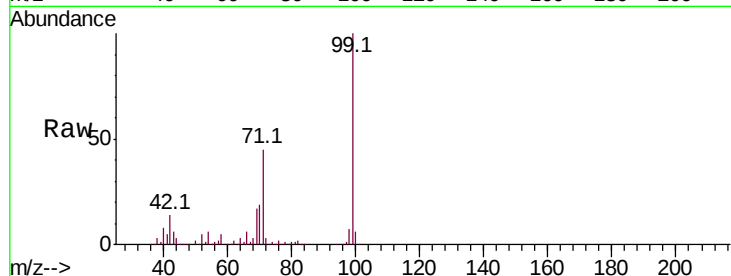
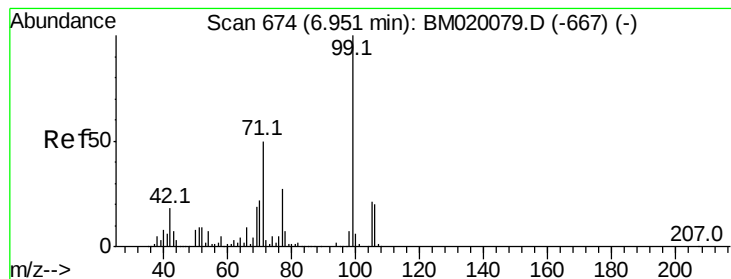
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 93.080 ng

RT: 6.95 min Scan# 673

Delta R.T. -0.01 min

Lab File: BM020261.D

Acq: 11 May 2019 04:30

Instrument :

BNA_M

ClientSampleId :

SOIL-DRUM

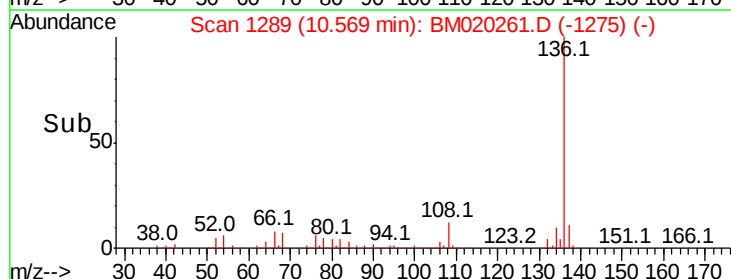
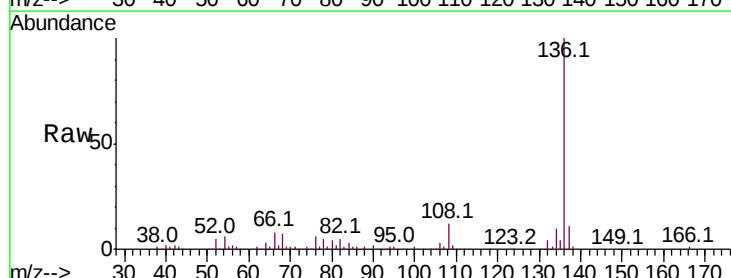
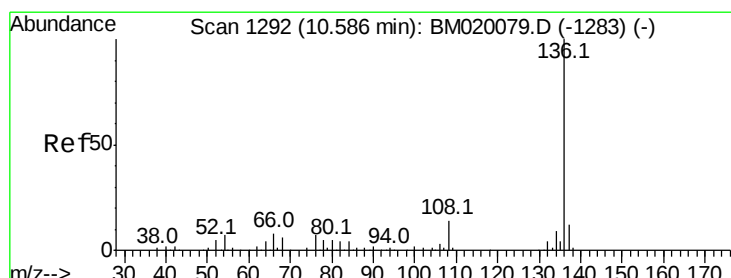
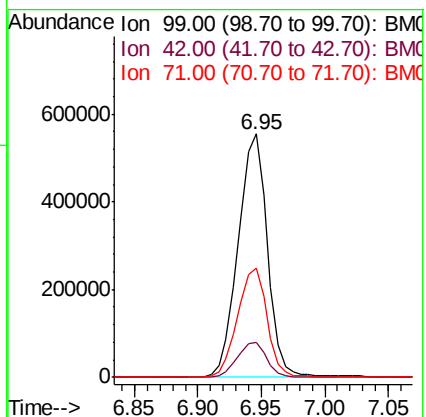
Tot Ion: 99 Resp: 889108

Ion Ratio Lower Upper

99 100

42 14.3 14.2 21.2

71 44.8 40.3 60.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.57 min Scan# 1289

Delta R.T. -0.02 min

Lab File: BM020261.D

Acq: 11 May 2019 04:30

Tgt Ion: 136 Resp: 433061

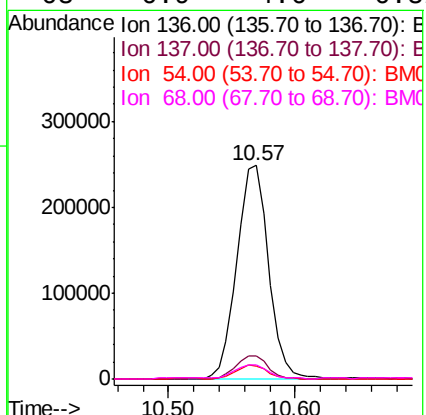
Ion Ratio Lower Upper

136 100

137 11.1 9.6 14.4

54 6.2 5.5 8.3

68 6.9 4.6 6.8#

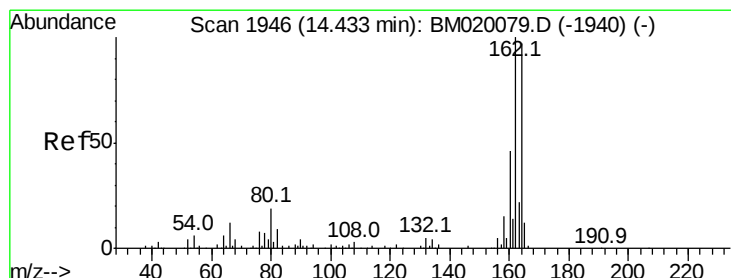
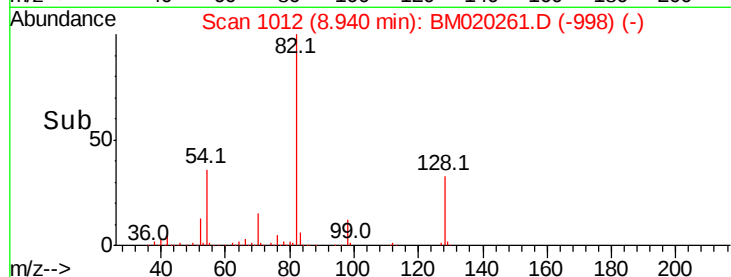
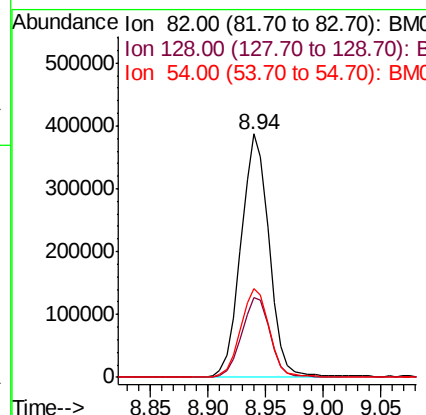
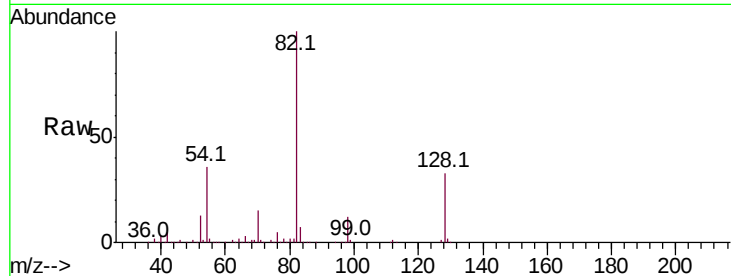




#23
Nitrobenzene-d5
Concen: 59.760 ng
RT: 8.94 min Scan# 1012
Delta R.T. -0.02 min
Lab File: BM020261.D
Acq: 11 May 2019 04:30

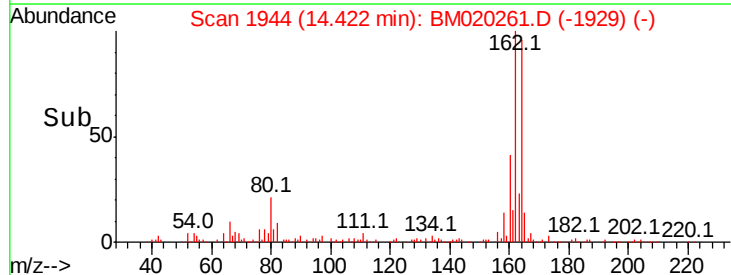
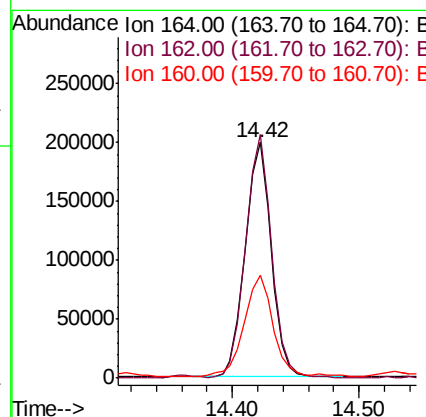
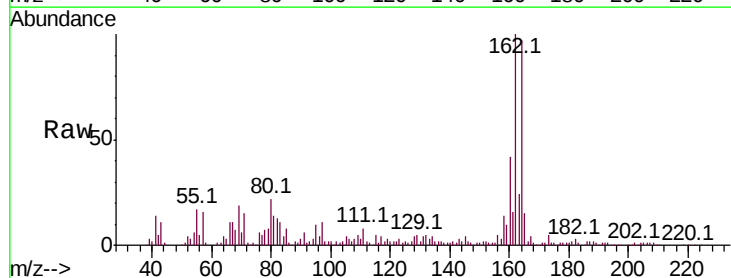
Instrument :
BNA_M
ClientSampleId :
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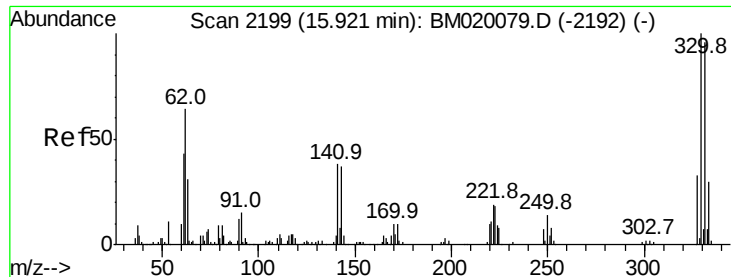
Tot Ion	Ratio	Lower	Upper
82	100		
128	33.0	25.2	37.8
54	36.5	31.9	47.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.42 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BM020261.D
Acq: 11 May 2019 04:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	82.2	123.2
160	43.5	37.6	56.4

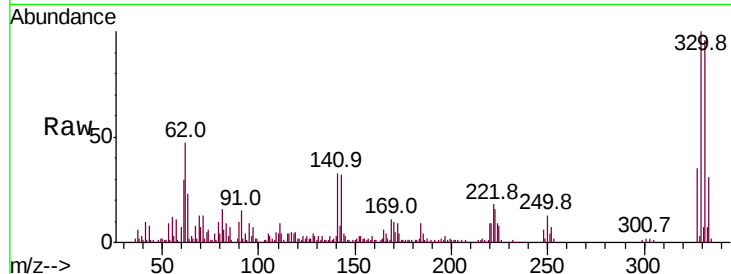




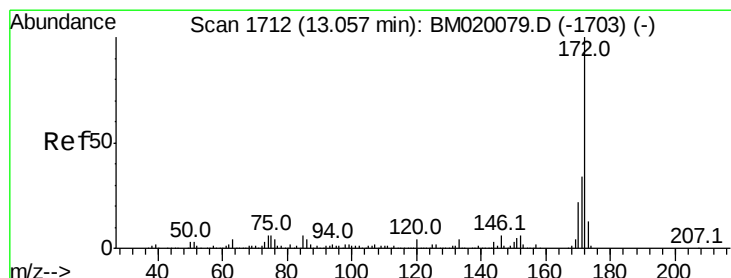
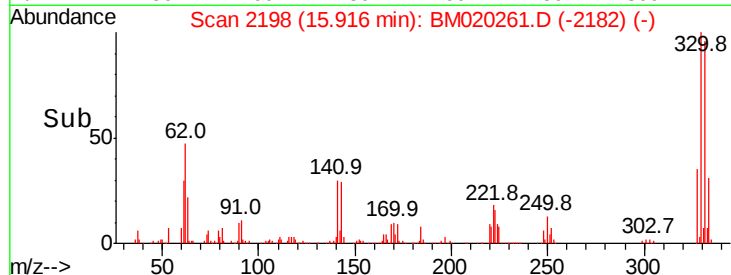
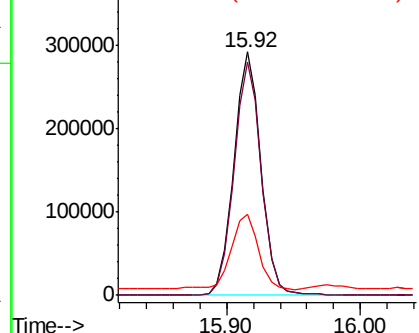
#42
 2,4,6-Tribromophenol
 Concen: 94.104 ng
 RT: 15.92 min Scan# 2198
 Delta R.T. -0.01 min
 Lab File: BM020261.D
 Acq: 11 May 2019 04:30

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-DRUM

Tot Ion:330 Resp: 414899
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.8 115.2
 141 31.6 29.2 43.8

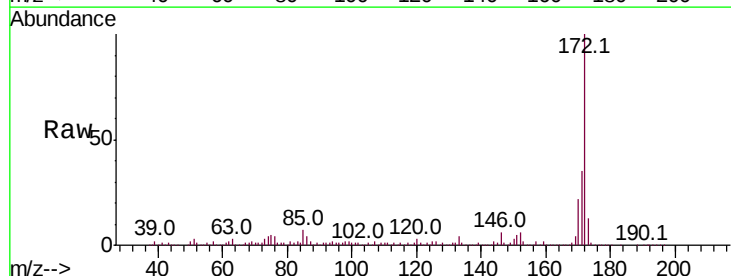


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

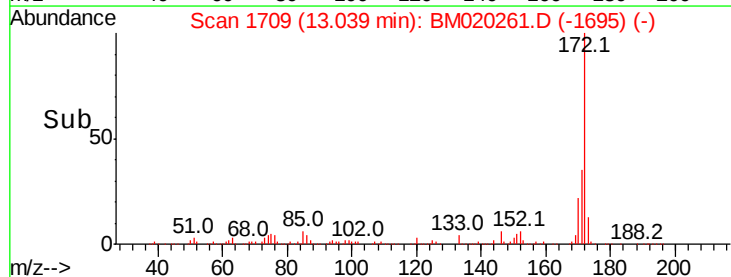
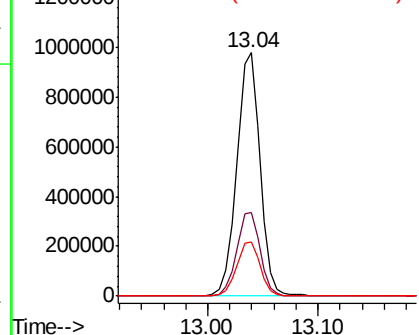


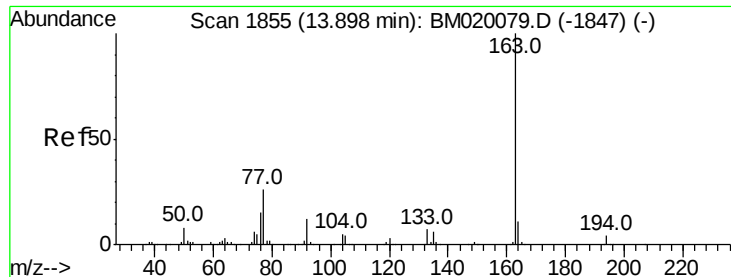
#45
 2-Fluorobiphenyl
 Concen: 62.899 ng
 RT: 13.04 min Scan# 1709
 Delta R.T. -0.02 min
 Lab File: BM020261.D
 Acq: 11 May 2019 04:30

Tgt Ion:172 Resp: 1452114
 Ion Ratio Lower Upper
 172 100
 171 34.6 27.3 40.9
 170 22.4 17.9 26.9



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





#50

Dimethylphthalate

Concen: 7.624 ng

RT: 13.87 min Scan# 1851

Delta R.T. -0.02 min

Lab File: BM020261.D

Acq: 11 May 2019 04:30

Instrument :

BNA_M

ClientSampleId :

SOIL-DRUM

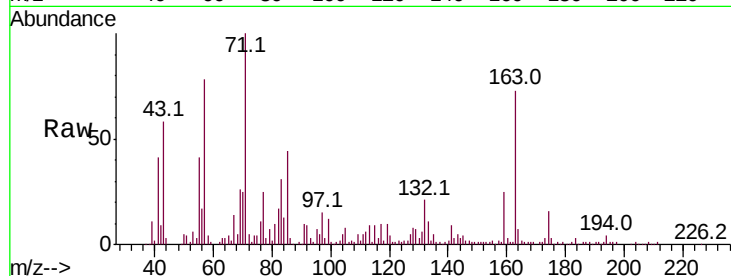
Tot Ion:163 Resp: 184067

Ion Ratio Lower Upper

163 100

194 5.0 3.6 5.4

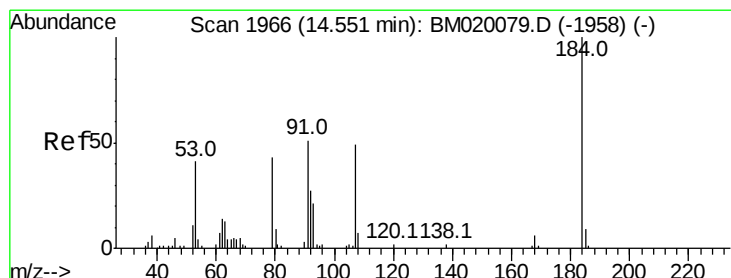
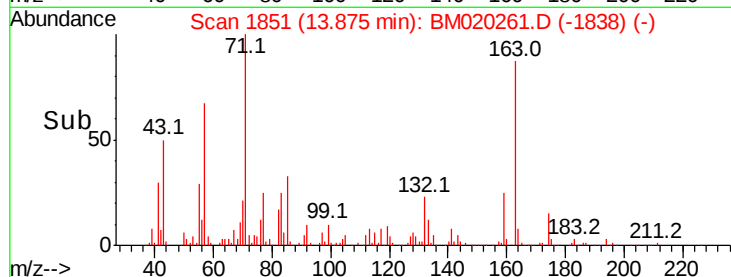
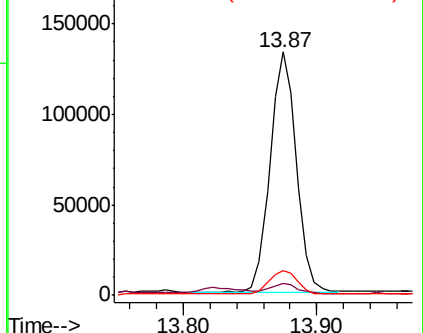
164 10.0 8.4 12.6



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#54

2,4-Dinitrophenol

Concen: 8.510 ng

RT: 14.50 min Scan# 1958

Delta R.T. -0.05 min

Lab File: BM020261.D

Acq: 11 May 2019 04:30

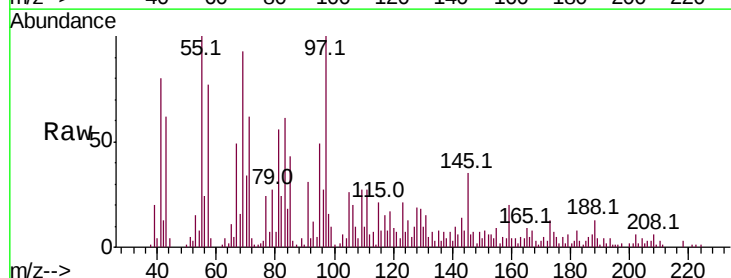
Tgt Ion:184 Resp: 108

Ion Ratio Lower Upper

184 100

63 542.7 68.9 103.3#

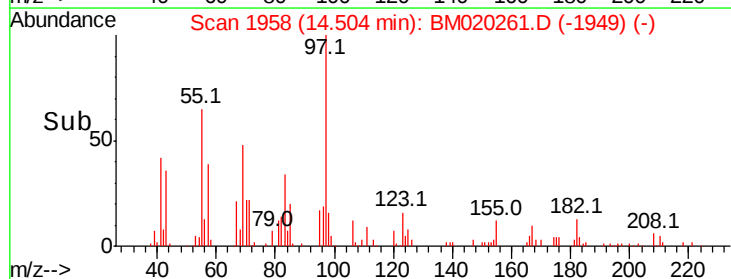
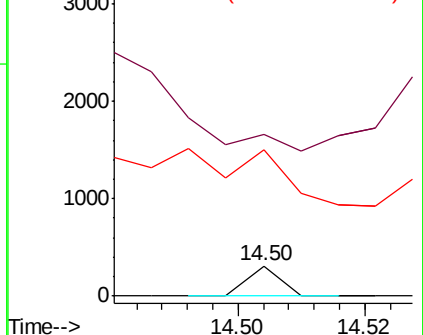
154 489.3 54.4 81.6#

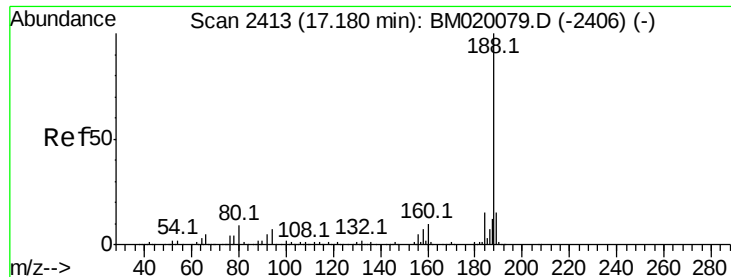


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 154.00 (153.70 to 154.70): E

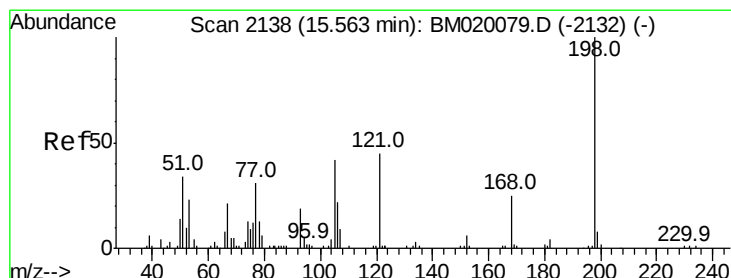
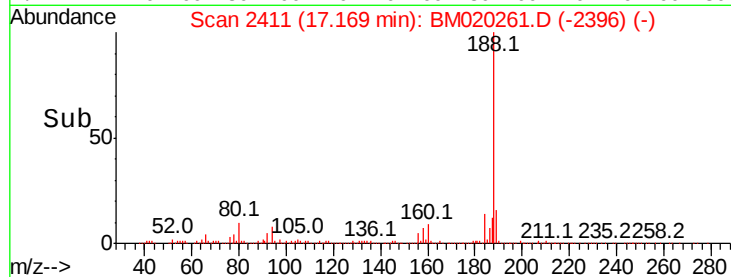
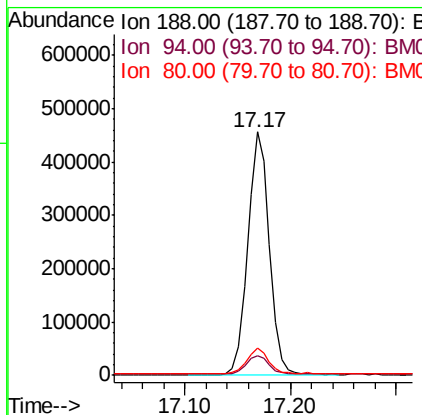
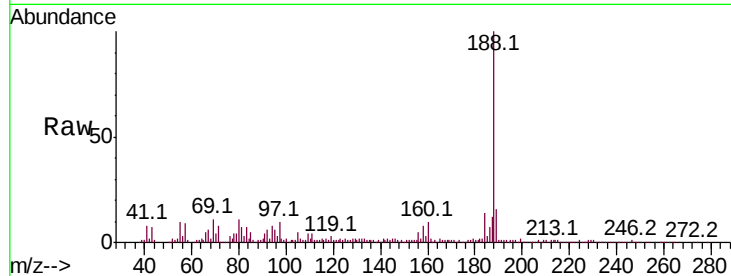




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.17 min Scan# 2411
Delta R.T. -0.01 min
Lab File: BM020261.D
Acq: 11 May 2019 04:30

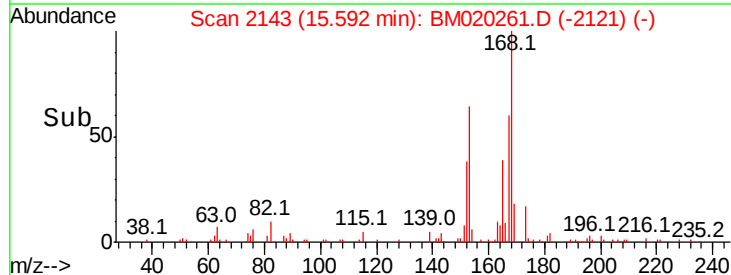
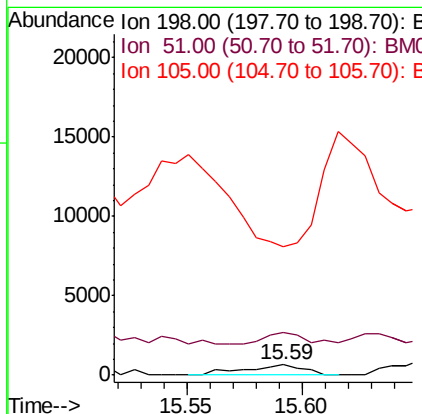
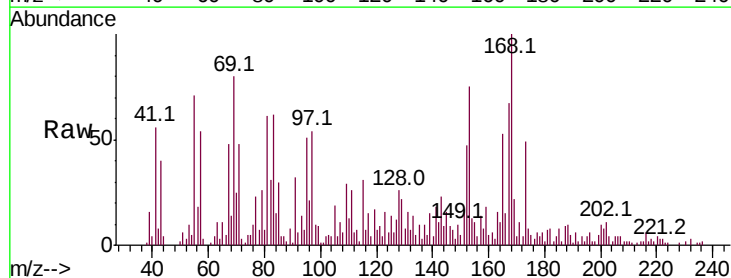
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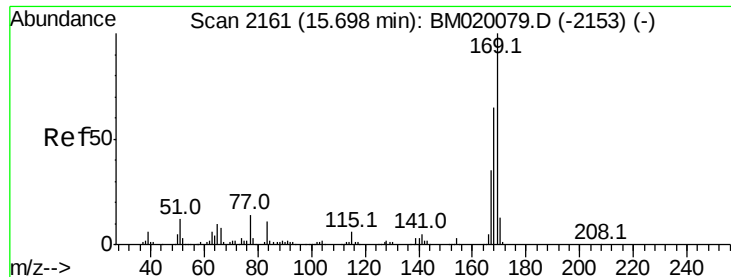
Tot Ion:188 Resp: 645951
Ion Ratio Lower Upper
188 100
94 8.3 5.8 8.6
80 11.1 7.4 11.2



#65
4,6-Dinitro-2-methylphenol
Concen: 7.450 ng
RT: 15.59 min Scan# 2143
Delta R.T. 0.03 min
Lab File: BM020261.D
Acq: 11 May 2019 04:30

Tgt Ion:198 Resp: 1107
Ion Ratio Lower Upper
198 100
51 417.3 16.5 56.5#
105 1271.9 22.8 62.8#

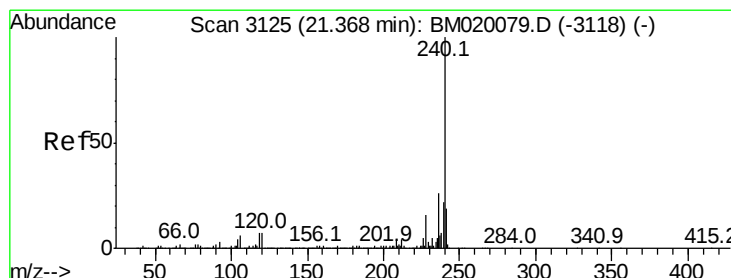
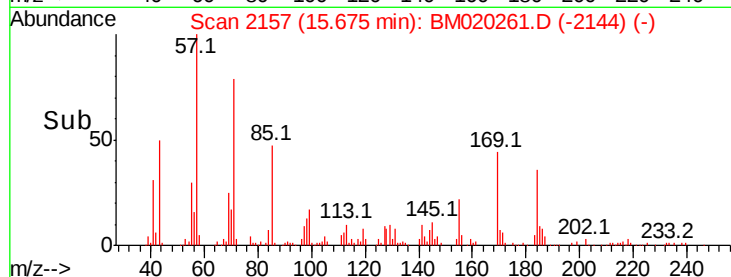
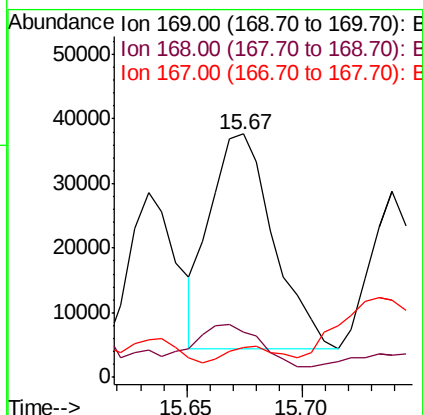
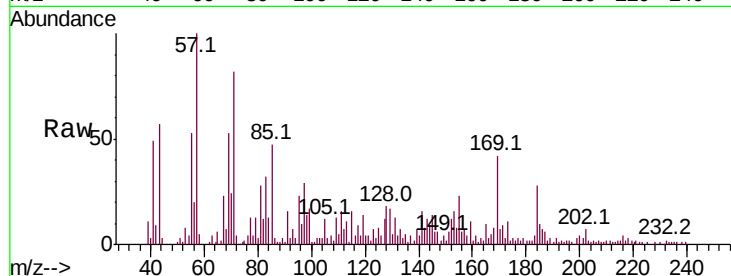




#66
 n-Nitrosodiphenylamine
 Concen: 3.303 ng
 RT: 15.67 min Scan# 2157
 Delta R.T. -0.02 min
 Lab File: BM020261.D
 Acq: 11 May 2019 04:30

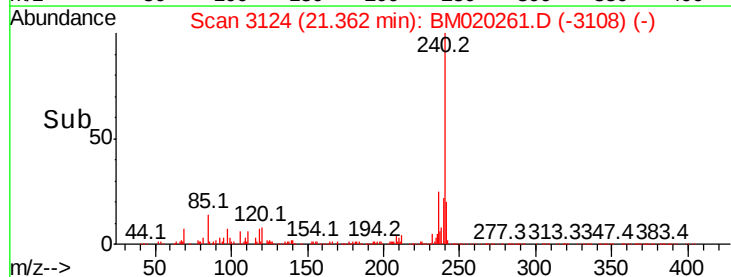
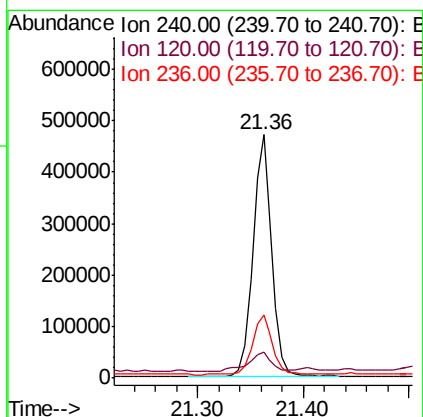
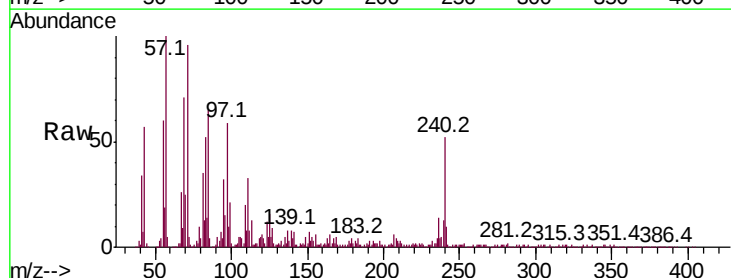
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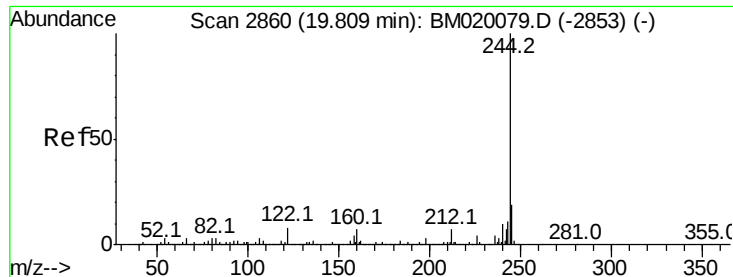
Tot Ion:169 Resp: 62791
 Ion Ratio Lower Upper
 169 100
 168 18.5 51.9 77.9#
 167 12.2 27.8 41.6#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.36 min Scan# 3124
 Delta R.T. -0.01 min
 Lab File: BM020261.D
 Acq: 11 May 2019 04:30

Tgt Ion:240 Resp: 582320
 Ion Ratio Lower Upper
 240 100
 120 10.7 5.6 8.4#
 236 26.2 20.9 31.3





#79

Terphenyl-d14

Concen: 63.524 ng

RT: 19.80 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BM020261.D

Acq: 11 May 2019 04:30

Instrument :

BNA_M

ClientSampleId :

SOIL-DRUM

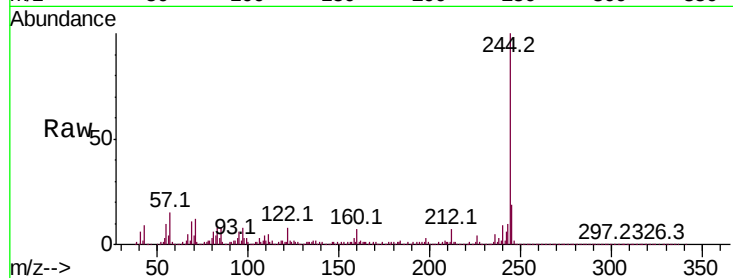
Tot Ion:244 Resp: 2120780

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.7	8.5
122	7.9	6.2	9.2

244 100

212 6.7 5.7 8.5

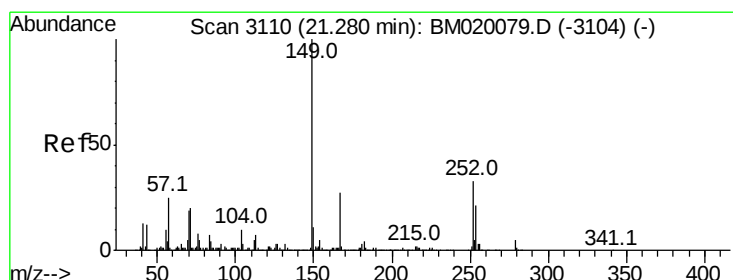
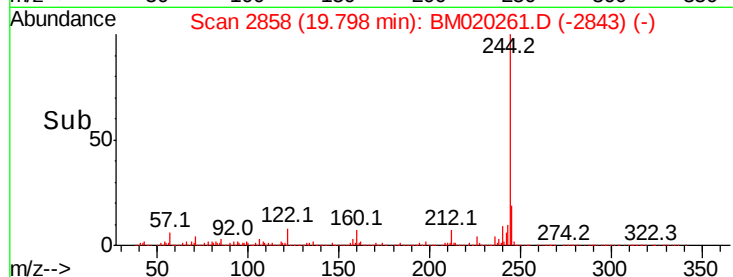
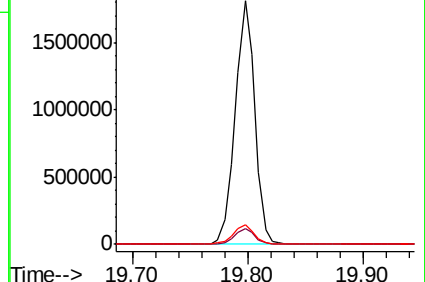
122 7.9 6.2 9.2



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 25.101 ng

RT: 21.26 min Scan# 3107

Delta R.T. -0.02 min

Lab File: BM020261.D

Acq: 11 May 2019 04:30

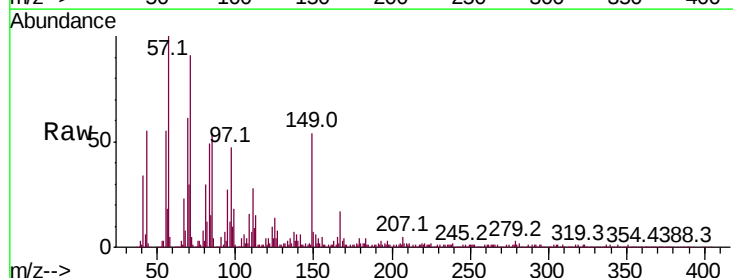
Tgt Ion:149 Resp: 553762

Ion	Ratio	Lower	Upper
149	100		
167	32.0	21.8	32.8
279	5.6	4.2	6.2

149 100

167 32.0 21.8 32.8

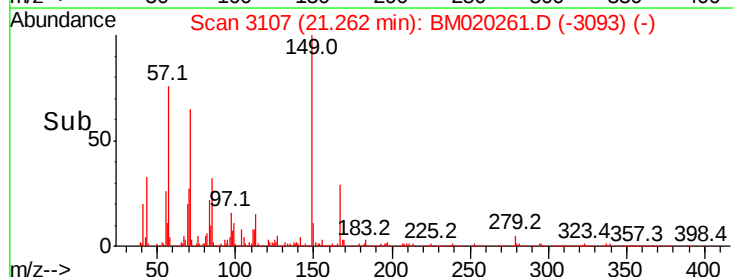
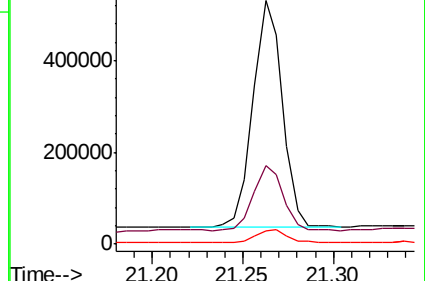
279 5.6 4.2 6.2

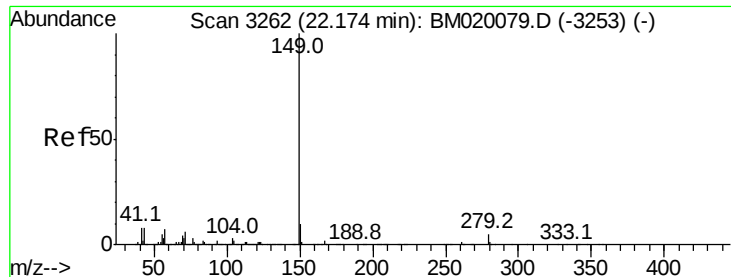


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 2.299 ng

RT: 22.16 min Scan# 3260

Delta R.T. -0.01 min

Lab File: BM020261.D

Acq: 11 May 2019 04:30

Instrument :

BNA_M

ClientSampleID :

SOIL-DRUM

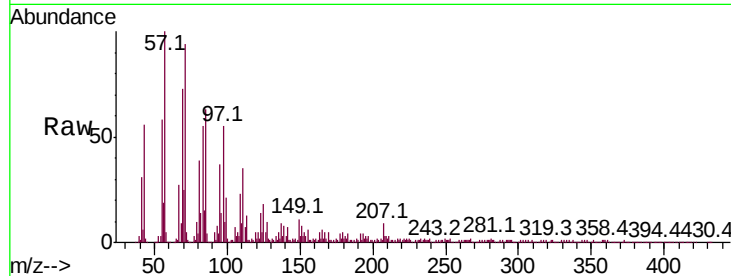
Tot Ion:149 Resp: 84305

Ion Ratio Lower Upper

149 100

167 0.0 1.3 1.9#

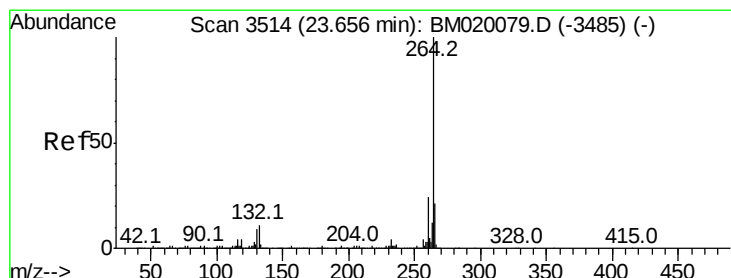
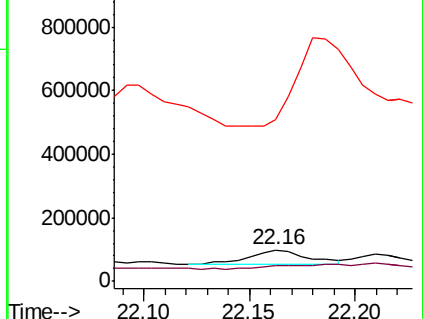
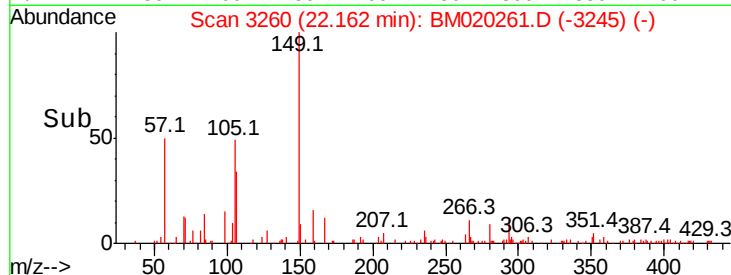
43 812.1 6.5 9.7#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.67 min Scan# 3517

Delta R.T. 0.02 min

Lab File: BM020261.D

Acq: 11 May 2019 04:30

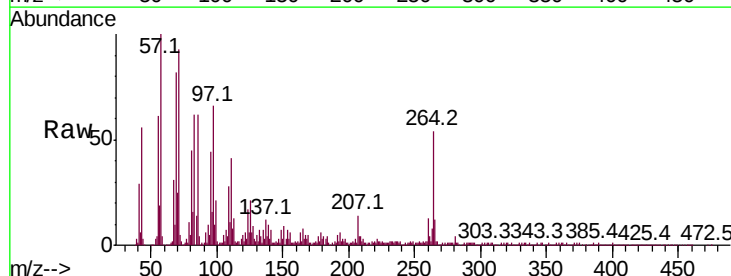
Tgt Ion:264 Resp: 591725

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 22.9 16.9 25.3



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

