

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
 Data File : BF122986.D
 Acq On : 18 Jan 2021 13:56
 Operator : JU/CG
 Sample : M1100-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-RBF-ASHCROFT

Quant Time: Jan 18 14:23:43 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 18 13:14:08 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

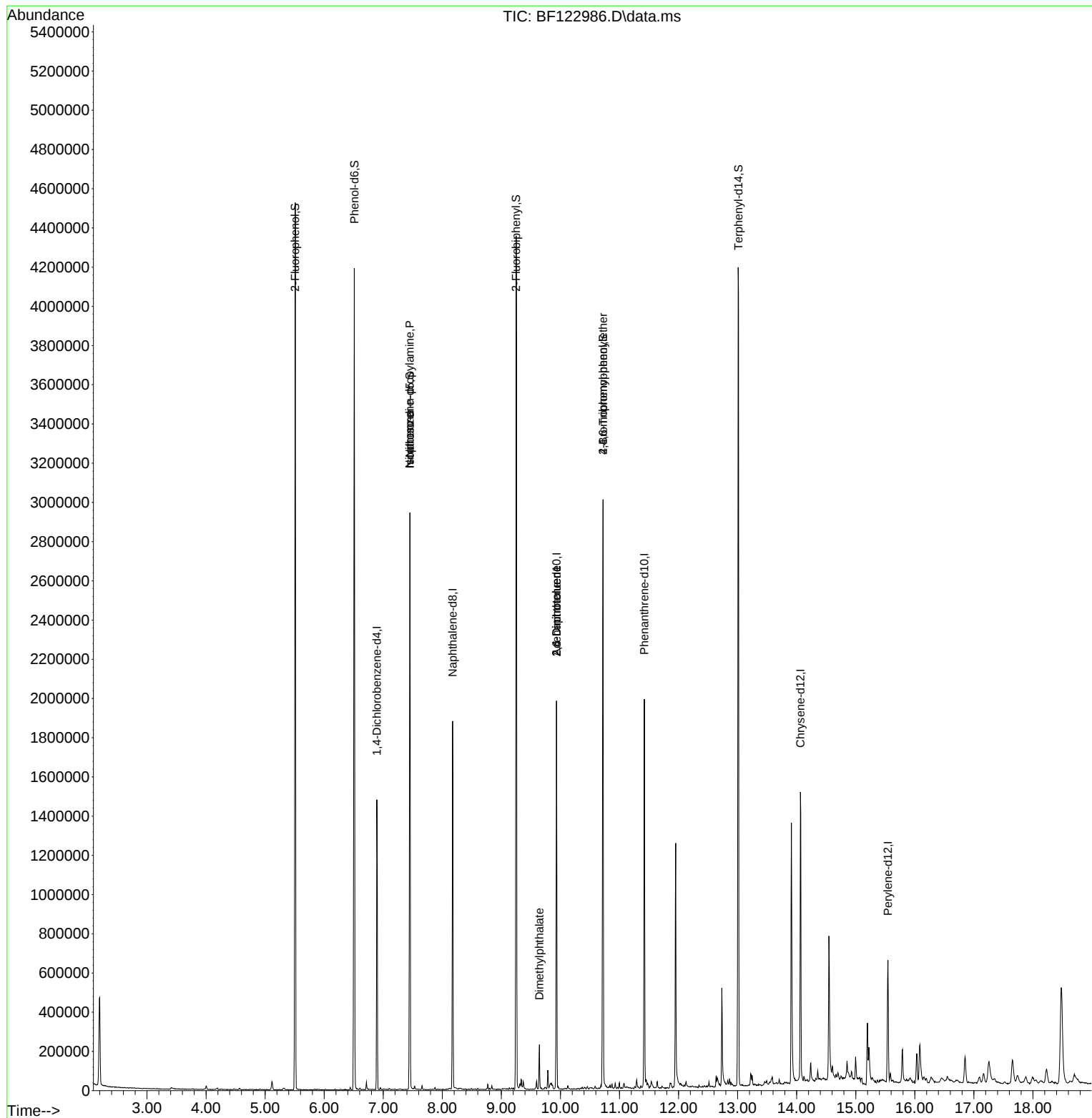
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	191203	20.00	ng	0.00
21) Naphthalene-d8	8.175	136	803118	20.00	ng	# 0.00
39) Acenaphthene-d10	9.933	164	355574	20.00	ng	0.00
64) Phenanthrene-d10	11.422	188	626214	20.00	ng	# 0.00
76) Chrysene-d12	14.063	240	478082	20.00	ng	#-0.01
86) Perylene-d12	15.545	264	257909	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1071370	84.70	ng	0.00
7) Phenol-d6	6.510	99	1347698	79.28	ng	-0.01
23) Nitrobenzene-d5	7.451	82	903768	57.91	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	335360	83.40	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1352034	53.24	ng	0.00
79) Terphenyl-d14	13.016	244	1338065	51.32	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.440	77	558	Below Cal		83
19) n-Nitroso-di-n-propyla...	7.451	70	121714	12.09 ng	#	85
25) Isophorone	7.451	82	903754	32.46 ng	#	65
50) Dimethylphthalate	9.645	163	80219	2.91 ng		98
51) 2,6-Dinitrotoluene	9.933	165	47012	7.79 ng	#	31
57) 2,4-Dinitrotoluene	9.933	165	47012	6.05 ng	#	25
67) 4-Bromophenyl-phenylether	10.722	248	20365	2.66 ng	#	1

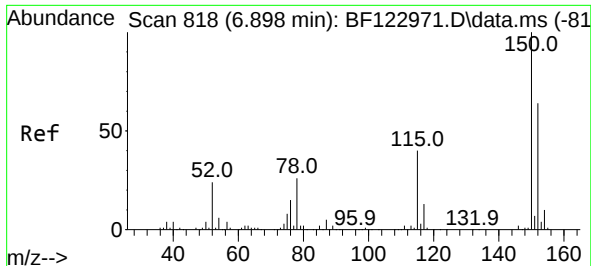
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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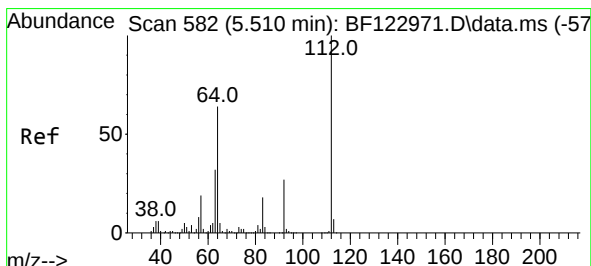
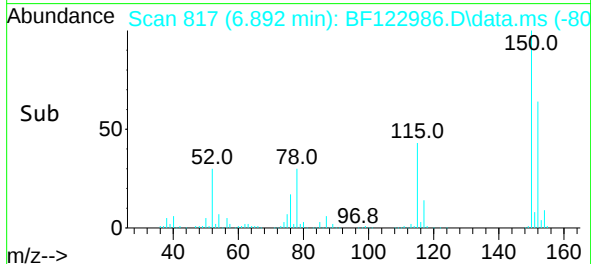
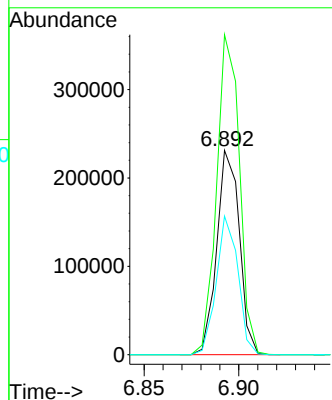
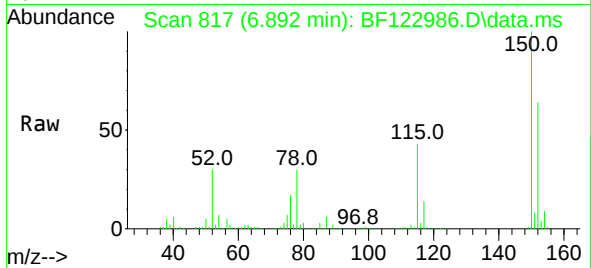




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.892 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF122986.D
Acq: 18 Jan 2021 13:56

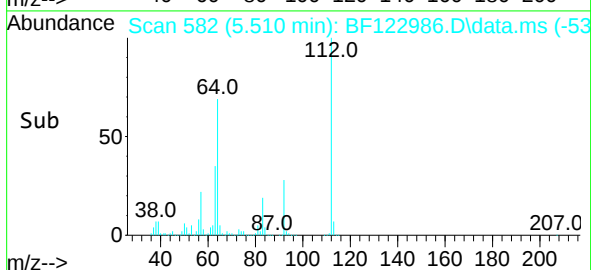
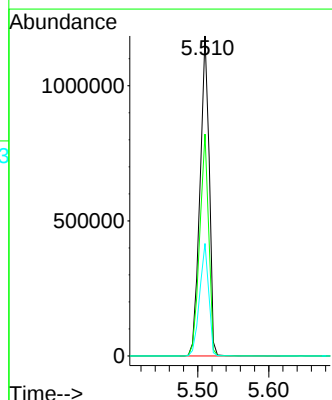
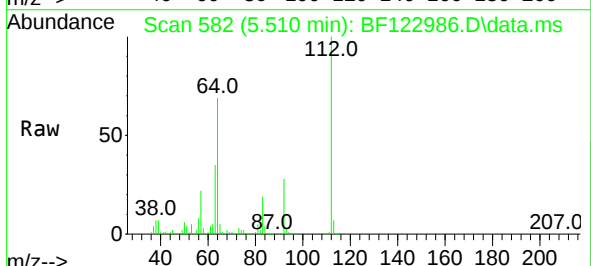
Instrument :
BNA_F
ClientSampleId :
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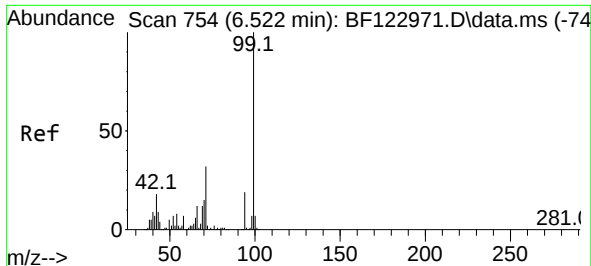
Tgt Ion:152 Resp: 191203
Ion Ratio Lower Upper
152 100
150 156.6 125.8 188.6
115 67.8 49.3 73.9



#5
2-Fluorophenol
Concen: 84.70 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.000 min
Lab File: BF122986.D
Acq: 18 Jan 2021 13:56

Tgt Ion:112 Resp: 1071370
Ion Ratio Lower Upper
112 100
64 69.4 46.9 70.3
63 35.2 24.5 36.7

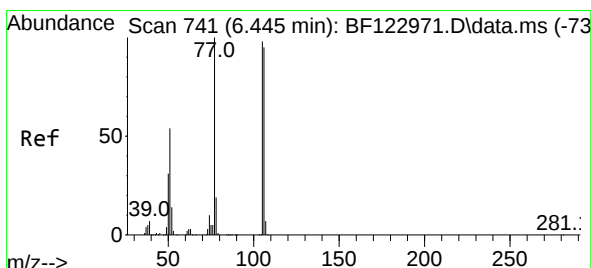
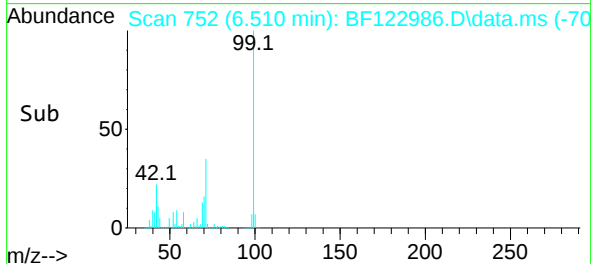
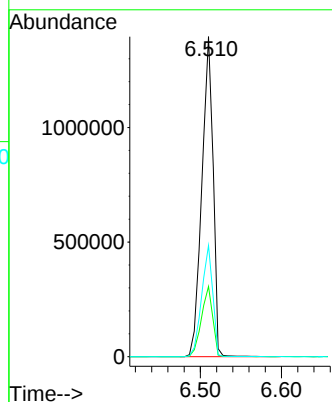
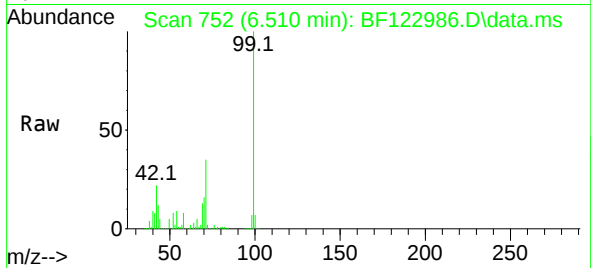




#7
Phenol-d6
Concen: 79.28 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF122986.D
Acq: 18 Jan 2021 13:56

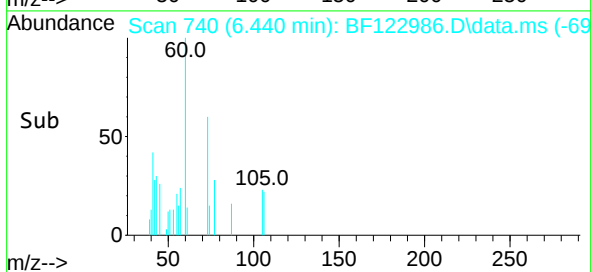
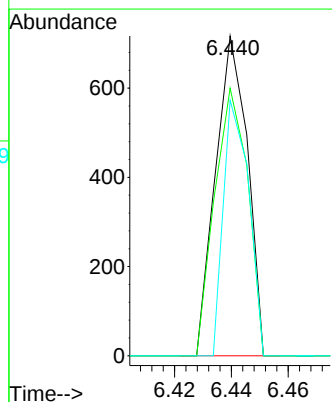
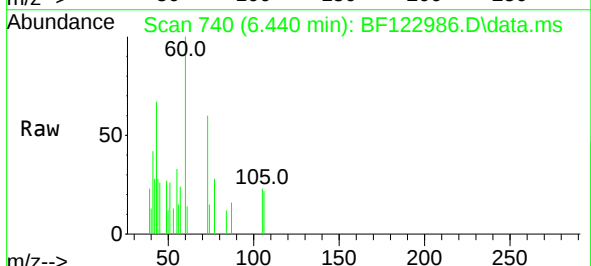
Instrument :
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ClientSampleId :
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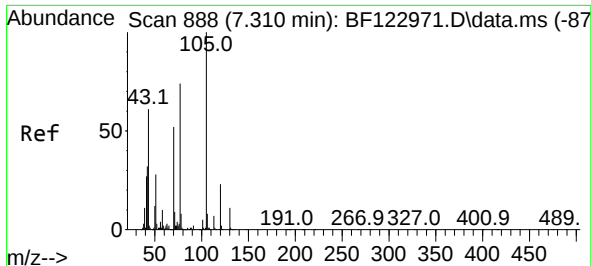
Tgt Ion: 99 Resp: 1347698
Ion Ratio Lower Upper
99 100
42 22.0 13.8 20.6#
71 34.8 26.9 40.3



#9
Benzaldehyde
Concen: Below Cal
RT: 6.440 min Scan# 740
Delta R.T. -0.005 min
Lab File: BF122986.D
Acq: 18 Jan 2021 13:56

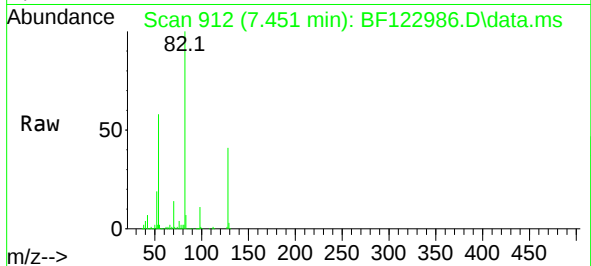
Tgt Ion: 77 Resp: 558
Ion Ratio Lower Upper
77 100
105 83.7 80.6 120.6
106 79.9 77.2 117.2





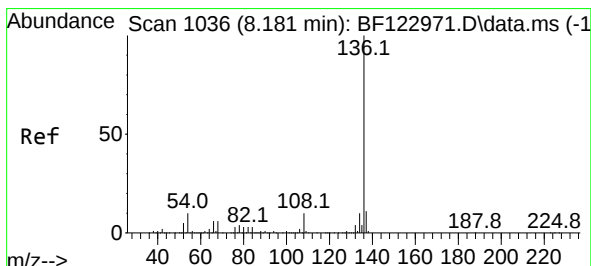
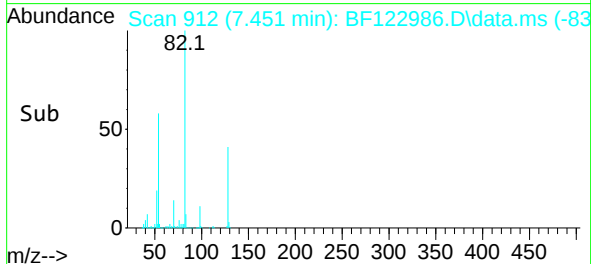
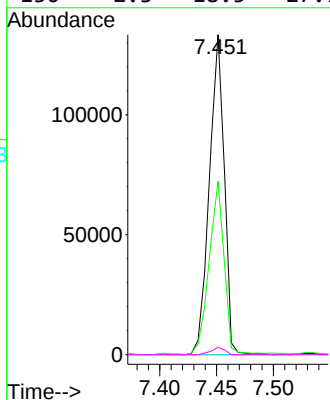
#19
n-Nitroso-di-n-propylamine
Concen: 12.09 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.141 min
Lab File: BF122986.D
Acq: 18 Jan 2021 13:56

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-ASHCROFT

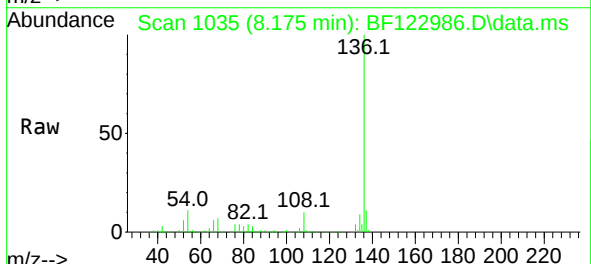


Tgt Ion: 70 Resp: 121714

Ion	Ratio	Lower	Upper
70	100		
42	54.2	43.0	64.4
101	0.0	7.9	11.9#
130	2.3	18.5	27.7#

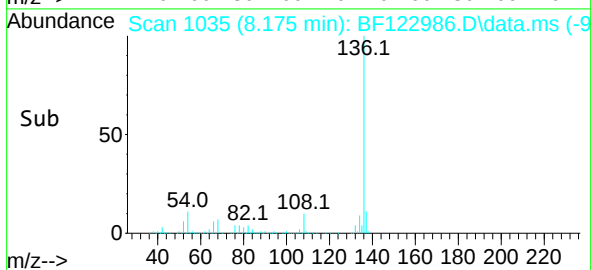
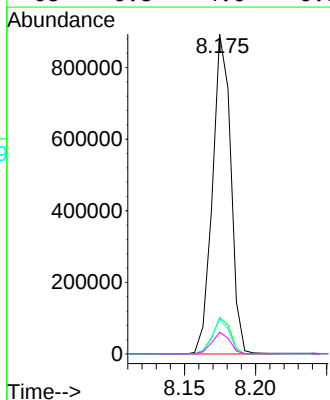


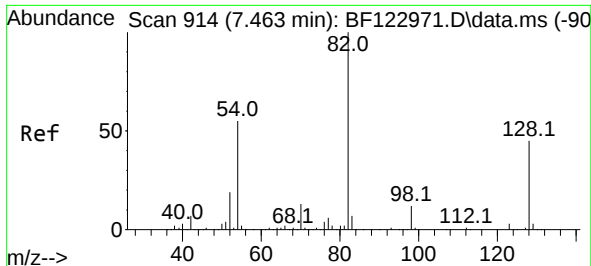
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF122986.D
Acq: 18 Jan 2021 13:56



Tgt Ion: 136 Resp: 803118

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	11.0	5.5	8.3#
68	6.8	4.6	6.8

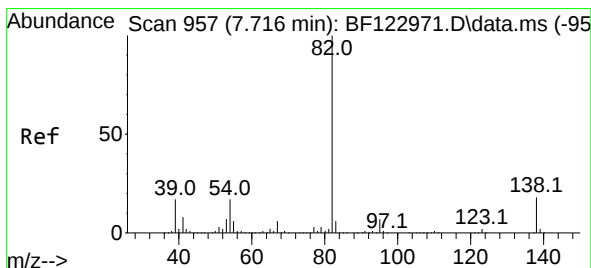
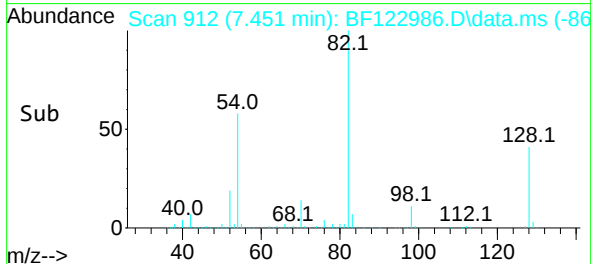
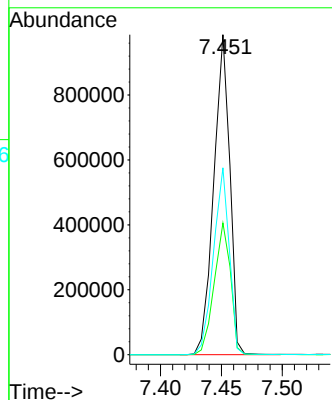
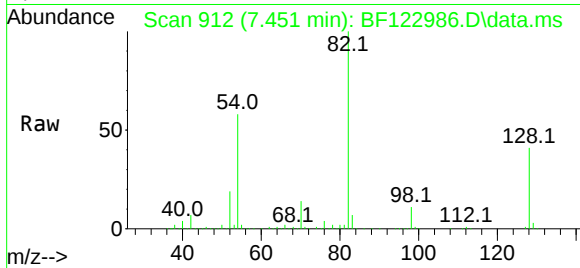




#23
Nitrobenzene-d5
Concen: 57.91 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF122986.D
Acq: 18 Jan 2021 13:56

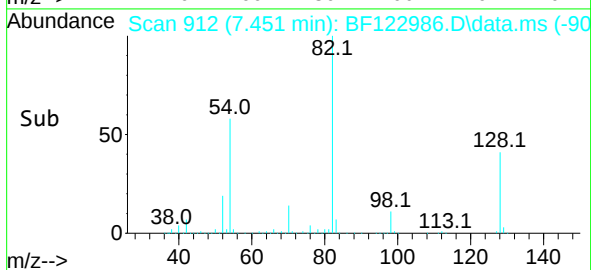
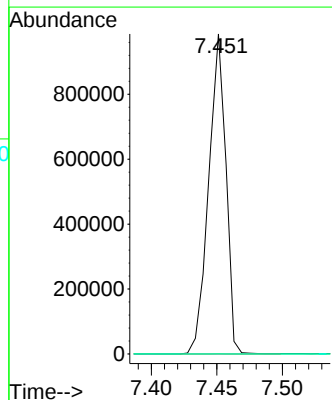
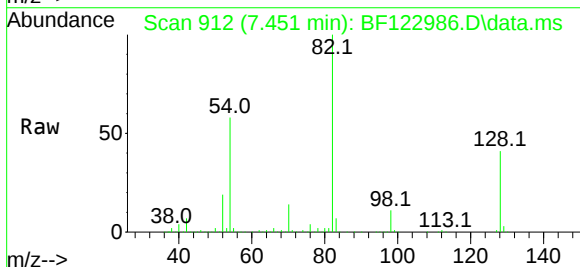
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BNA_F
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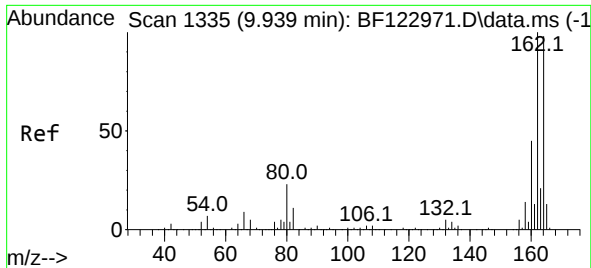
Tgt Ion: 82 Resp: 903768
Ion Ratio Lower Upper
82 100
128 41.2 37.0 55.4
54 58.4 38.4 57.6#



#25
Isophorone
Concen: 32.46 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.265 min
Lab File: BF122986.D
Acq: 18 Jan 2021 13:56

Tgt Ion: 82 Resp: 903754
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#

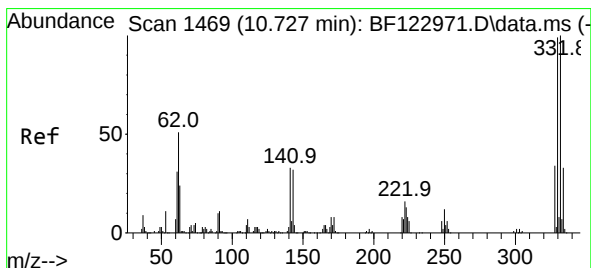
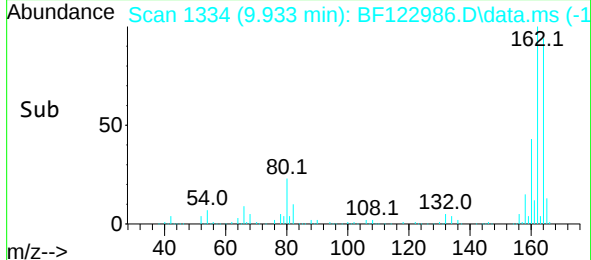
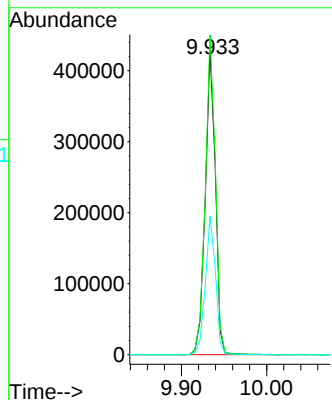
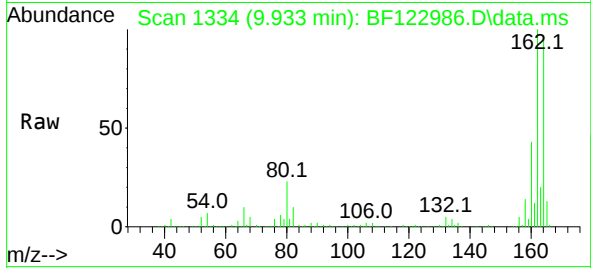




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF122986.D
Acq: 18 Jan 2021 13:56

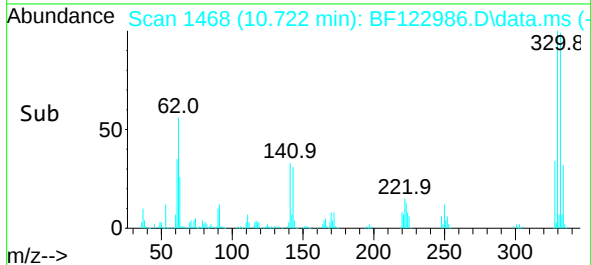
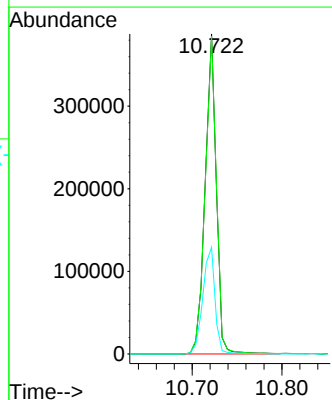
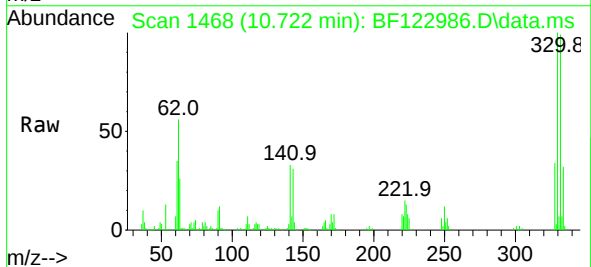
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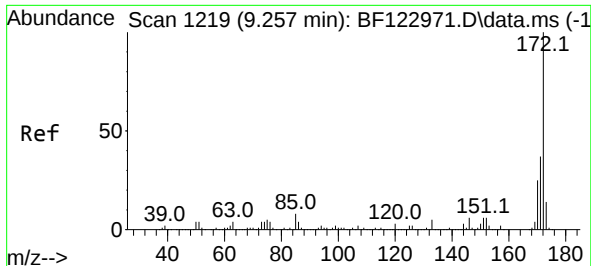
Tgt Ion:164 Resp: 355574
Ion Ratio Lower Upper
164 100
162 104.9 80.8 121.2
160 45.4 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 83.40 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.005 min
Lab File: BF122986.D
Acq: 18 Jan 2021 13:56

Tgt Ion:330 Resp: 335360
Ion Ratio Lower Upper
330 100
332 100.1 77.5 116.3
141 36.6 23.8 35.8#

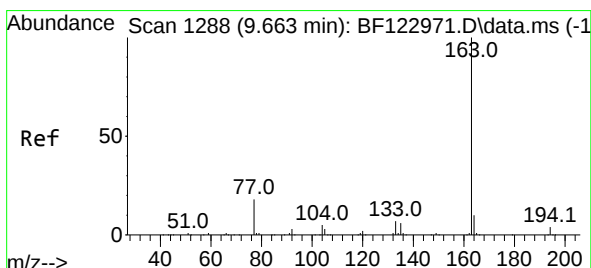
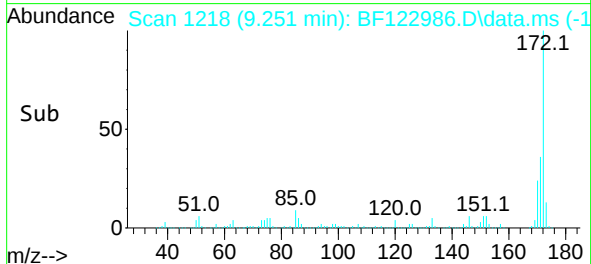
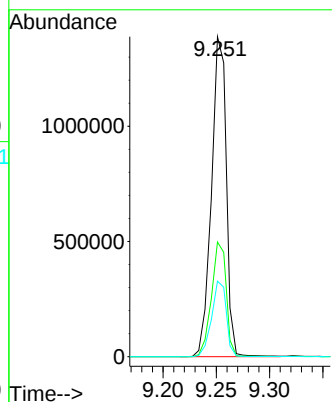
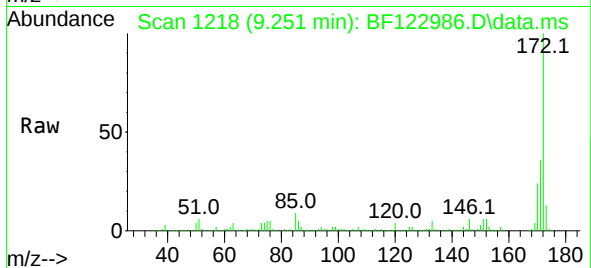




#45
2-Fluorobiphenyl
Concen: 53.24 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF122986.D
Acq: 18 Jan 2021 13:56

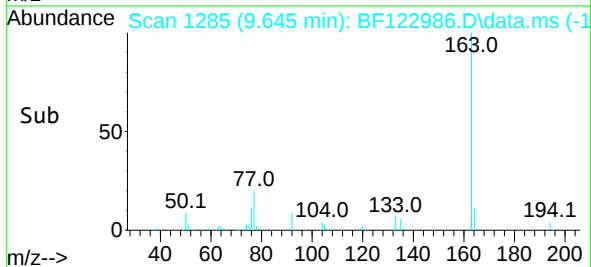
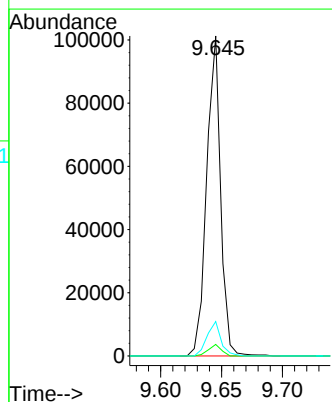
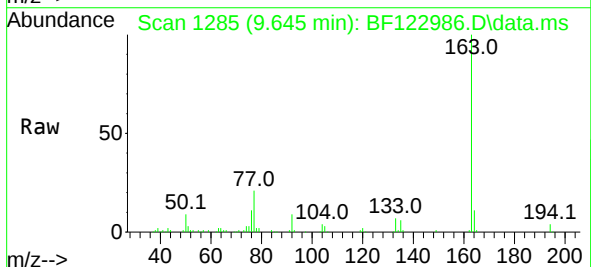
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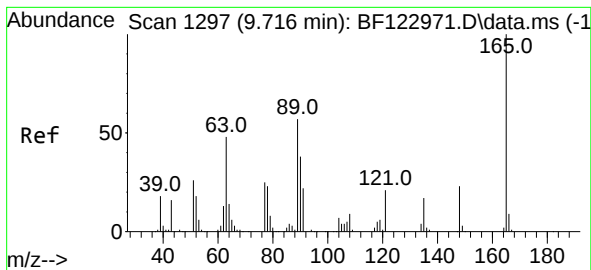
Tgt Ion:172 Resp: 1352034
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 23.6 19.5 29.3



#50
Dimethylphthalate
Concen: 2.91 ng
RT: 9.645 min Scan# 1285
Delta R.T. -0.018 min
Lab File: BF122986.D
Acq: 18 Jan 2021 13:56

Tgt Ion:163 Resp: 80219
Ion Ratio Lower Upper
163 100
194 3.6 3.4 5.0
164 10.7 8.1 12.1

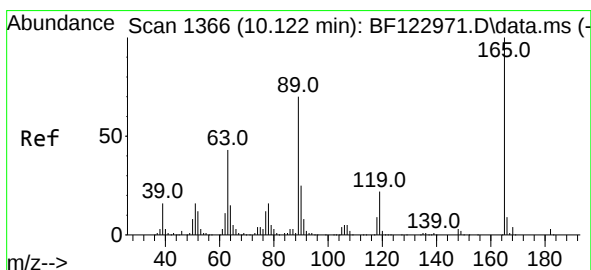
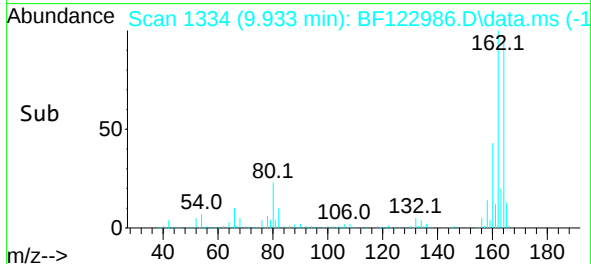
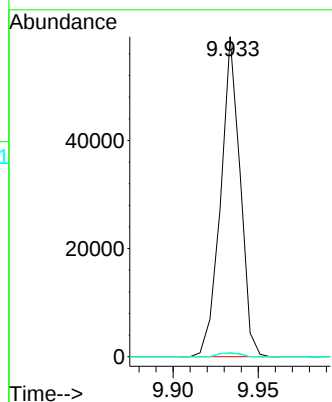
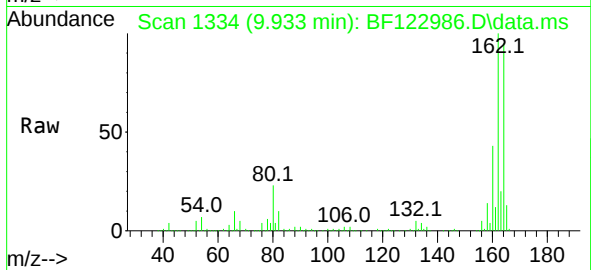




#51
2,6-Dinitrotoluene
Concen: 7.79 ng
RT: 9.933 min Scan# 1334
Delta R.T. 0.218 min
Lab File: BF122986.D
Acq: 18 Jan 2021 13:56

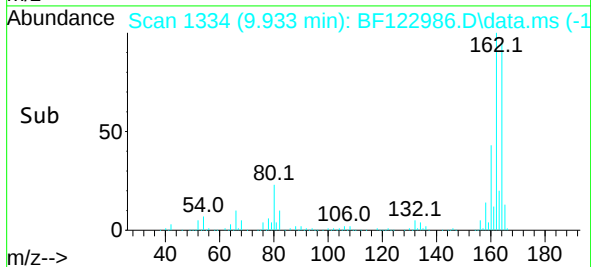
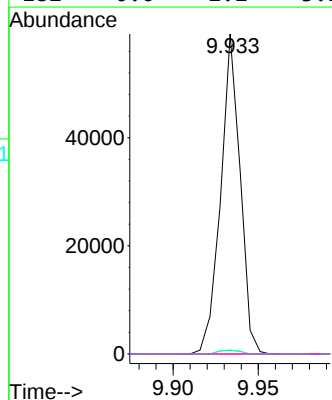
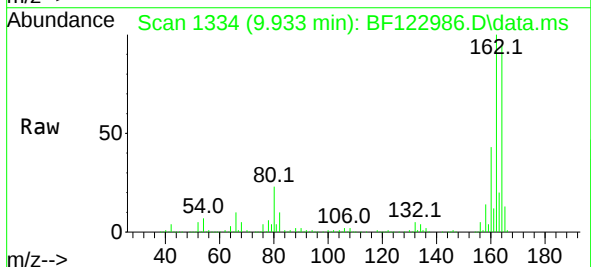
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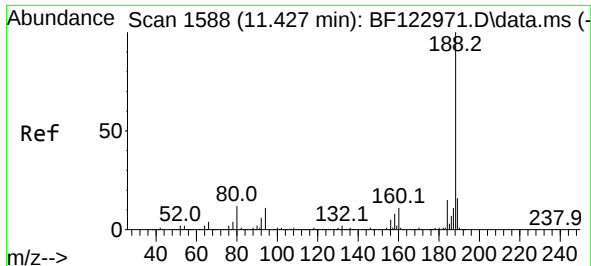
Tgt Ion:165 Resp: 47012
Ion Ratio Lower Upper
165 100
63 1.1 36.6 55.0#
89 1.2 39.4 59.0#



#57
2,4-Dinitrotoluene
Concen: 6.05 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.188 min
Lab File: BF122986.D
Acq: 18 Jan 2021 13:56

Tgt Ion:165 Resp: 47012
Ion Ratio Lower Upper
165 100
63 1.1 34.3 51.5#
89 1.2 55.2 82.8#
182 0.0 2.2 3.2#

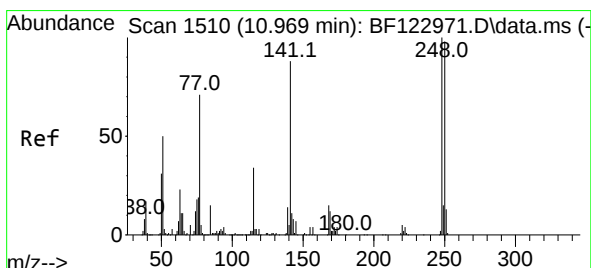
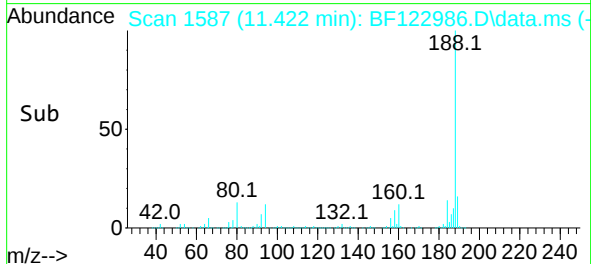
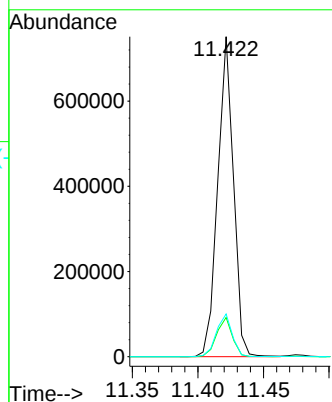
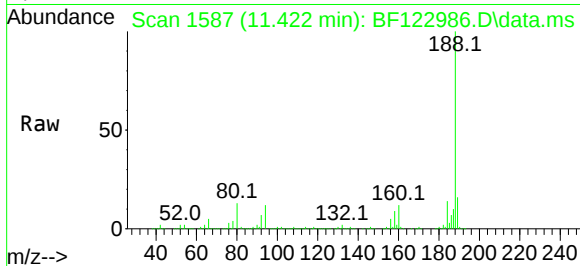




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF122986.D
Acq: 18 Jan 2021 13:56

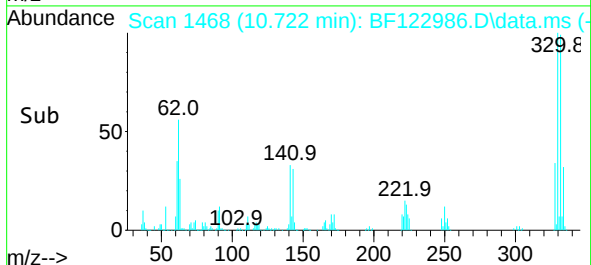
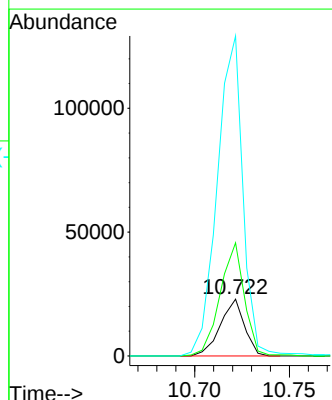
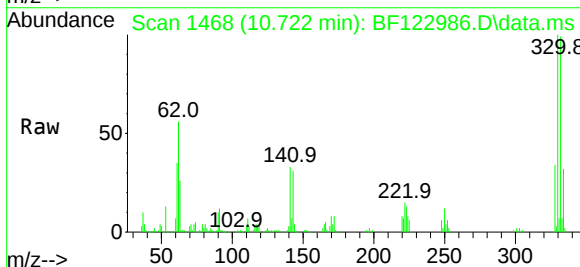
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-ASHCROFT

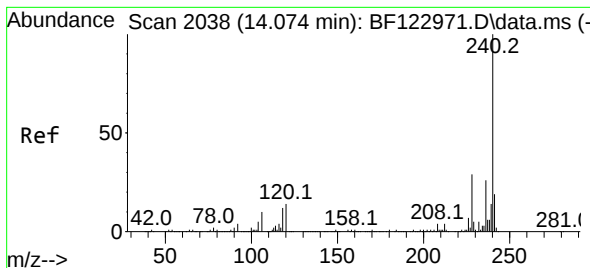
Tgt Ion:188 Resp: 626214
Ion Ratio Lower Upper
188 100
94 12.2 7.4 11.2#
80 13.3 8.2 12.4#



#67
4-Bromophenyl-phenylether
Concen: 2.66 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.247 min
Lab File: BF122986.D
Acq: 18 Jan 2021 13:56

Tgt Ion:248 Resp: 20365
Ion Ratio Lower Upper
248 100
250 199.2 76.8 115.2#
141 563.3 59.8 89.8#

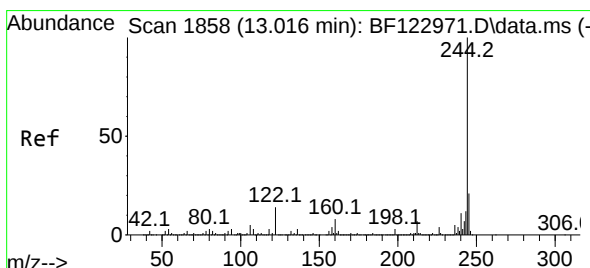
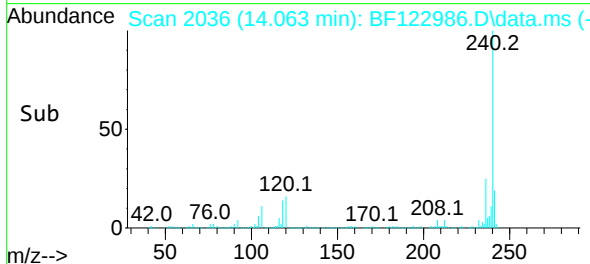
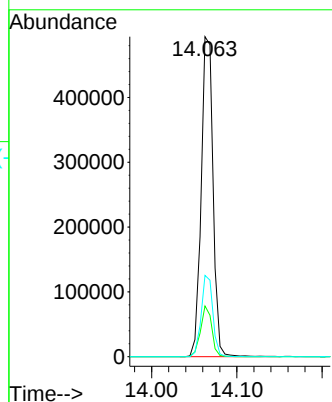
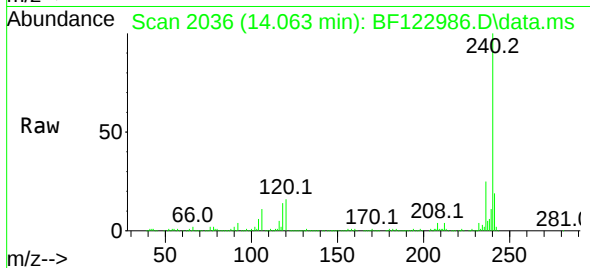




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF122986.D
Acq: 18 Jan 2021 13:56

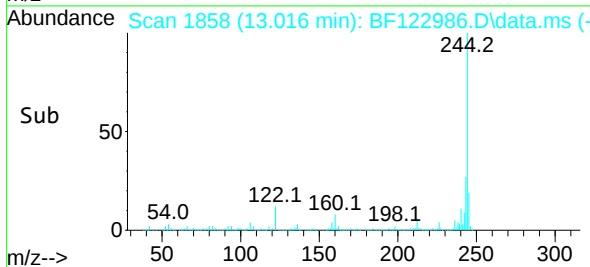
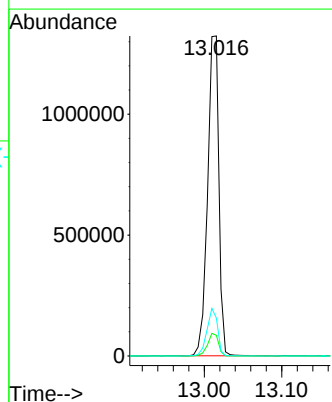
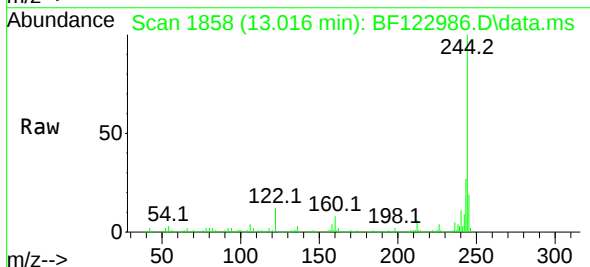
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-ASHCROFT

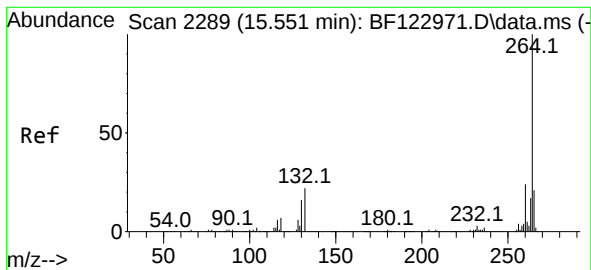
Tgt Ion:240 Resp: 478082
Ion Ratio Lower Upper
240 100
120 15.9 8.6 12.8#
236 25.4 20.3 30.5



#79
Terphenyl-d14
Concen: 51.32 ng
RT: 13.016 min Scan# 1858
Delta R.T. -0.000 min
Lab File: BF122986.D
Acq: 18 Jan 2021 13:56

Tgt Ion:244 Resp: 1338065
Ion Ratio Lower Upper
244 100
212 6.5 5.7 8.5
122 11.9 8.3 12.5





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.545 min Scan# 2288
Delta R.T. -0.006 min
Lab File: BF122986.D
Acq: 18 Jan 2021 13:56

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-ASHCROFT

Tgt Ion:264 Resp: 257909
Ion Ratio Lower Upper
264 100
260 24.1 18.6 28.0
265 21.0 17.0 25.6

