

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011821\
 Data File : BF122987.D
 Acq On : 18 Jan 2021 14:28
 Operator : JU/CG
 Sample : M1100-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TOPSOIL-RBF-LIGHT

Quant Time: Jan 18 14:57:55 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)

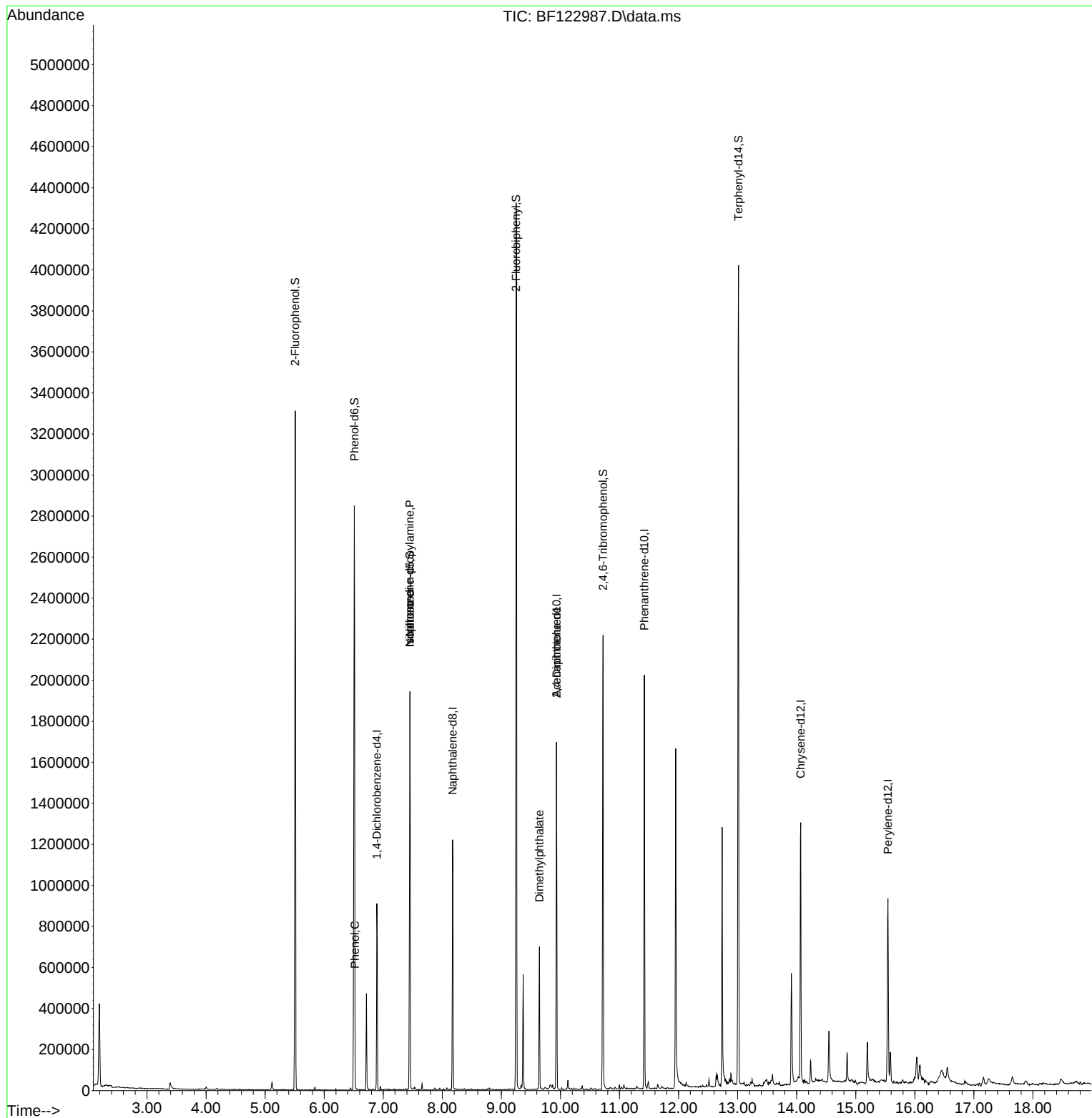
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	110692	20.00	ng	0.00
21) Naphthalene-d8	8.175	136	507399	20.00	ng	# 0.00
39) Acenaphthene-d10	9.933	164	302251	20.00	ng	0.00
64) Phenanthrene-d10	11.421	188	610631	20.00	ng	# 0.00
76) Chrysene-d12	14.068	240	400402	20.00	ng	# 0.00
86) Perylene-d12	15.545	264	376724	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	732700	100.06	ng	0.00
7) Phenol-d6	6.510	99	899401	91.39	ng	-0.01
23) Nitrobenzene-d5	7.451	82	583506	59.18	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	220194	64.42	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1325290	61.40	ng	0.00
79) Terphenyl-d14	13.015	244	1205912	55.22	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.510	77	1774	Below Cal	#	1
10) Phenol	6.522	94	36286	3.67	ng	98
19) n-Nitroso-di-n-propyla...	7.451	70	81108	13.91	ng	# 66
25) Isophorone	7.451	82	583602	33.17	ng	# 65
50) Dimethylphthalate	9.645	163	236813	10.09	ng	99
57) 2,4-Dinitrotoluene	9.933	165	37921	5.75	ng	# 26

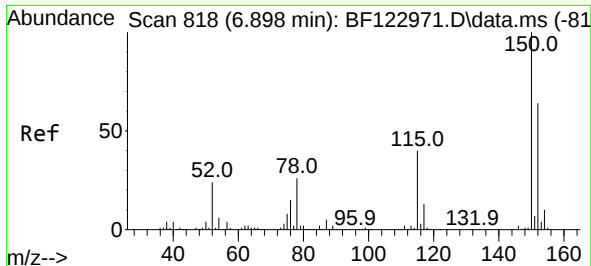
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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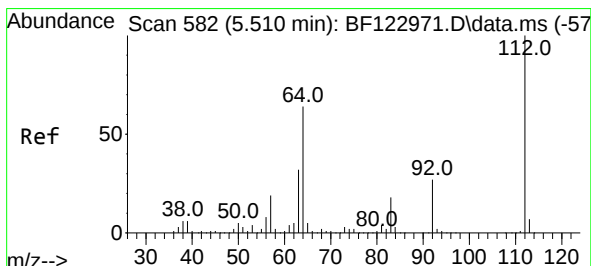
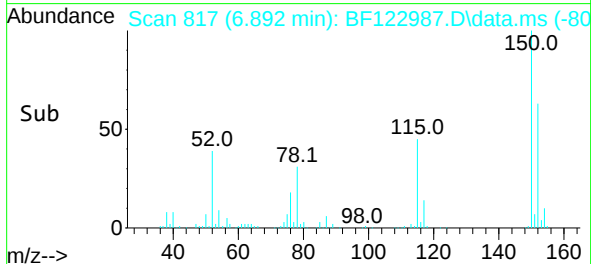
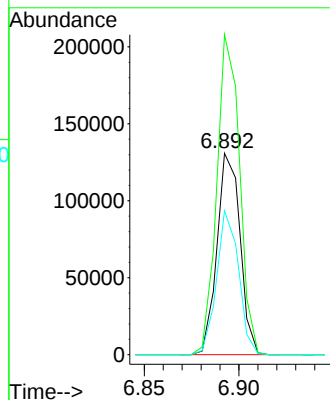
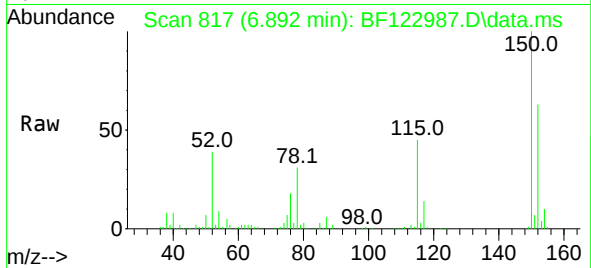




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.892 min Scan# 817
Delta R.T. -0.006 min
Lab File: BF122987.D
Acq: 18 Jan 2021 14:28

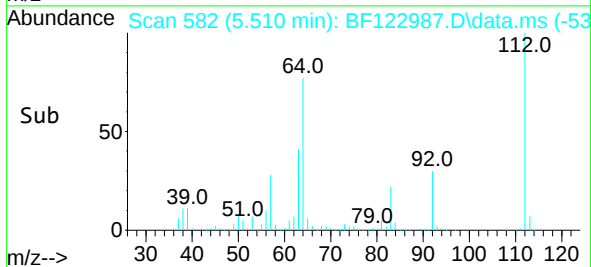
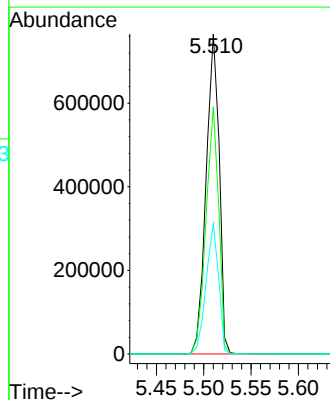
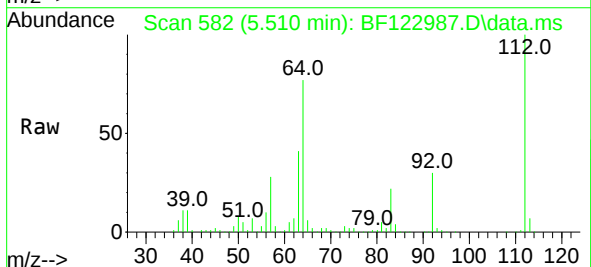
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-LIGHT

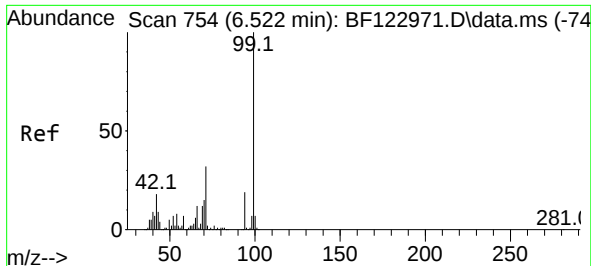
Tgt Ion:152 Resp: 110692
Ion Ratio Lower Upper
152 100
150 158.9 125.8 188.6
115 71.4 49.3 73.9



#5
2-Fluorophenol
Concen: 100.06 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.000 min
Lab File: BF122987.D
Acq: 18 Jan 2021 14:28

Tgt Ion:112 Resp: 732700
Ion Ratio Lower Upper
112 100
64 77.2 46.9 70.3#
63 40.7 24.5 36.7#

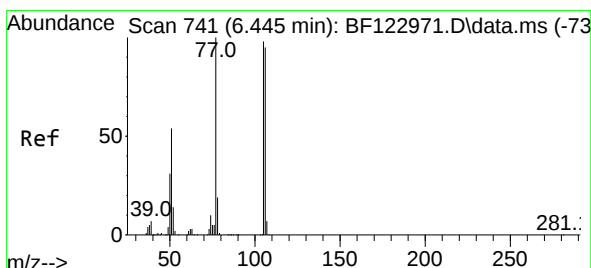
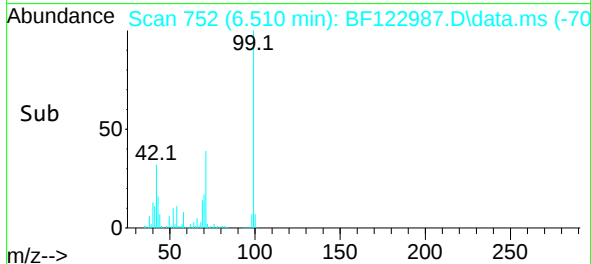
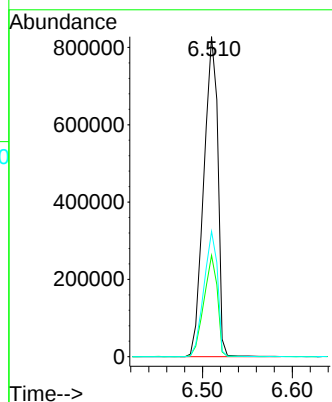
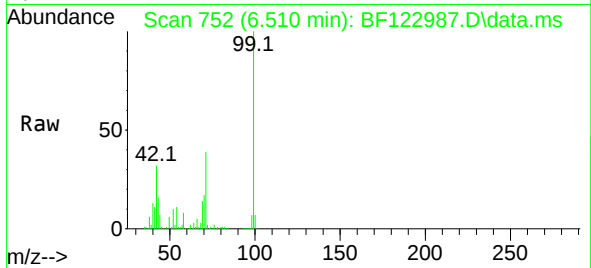




#7
Phenol-d6
Concen: 91.39 ng
RT: 6.510 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF122987.D
Acq: 18 Jan 2021 14:28

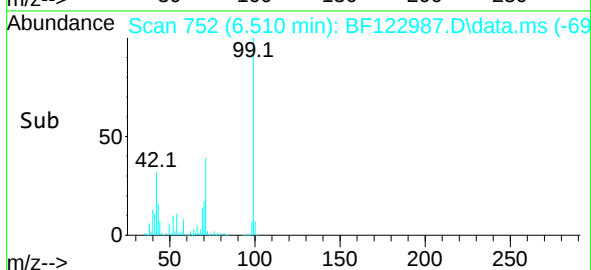
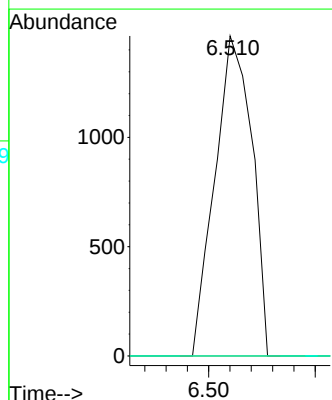
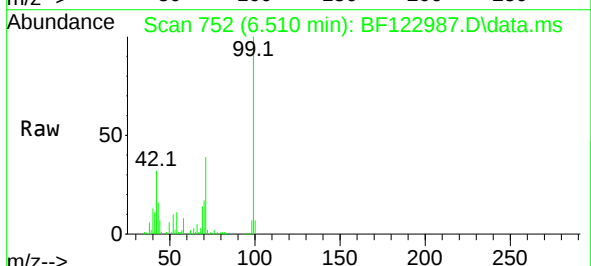
Instrument :
BNA_F
ClientSampleId :
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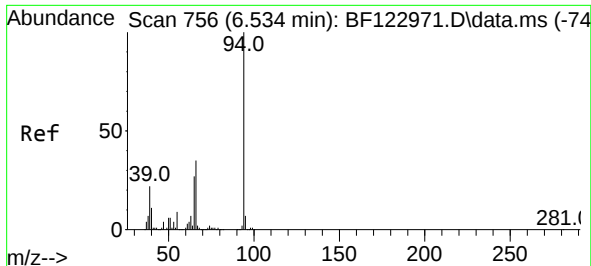
Tgt Ion: 99 Resp: 899401
Ion Ratio Lower Upper
99 100
42 31.6 13.8 20.6#
71 39.1 26.9 40.3



#9
Benzaldehyde
Concen: Below Cal
RT: 6.510 min Scan# 752
Delta R.T. 0.065 min
Lab File: BF122987.D
Acq: 18 Jan 2021 14:28

Tgt Ion: 77 Resp: 1774
Ion Ratio Lower Upper
77 100
105 0.0 80.6 120.6#
106 0.0 77.2 117.2#

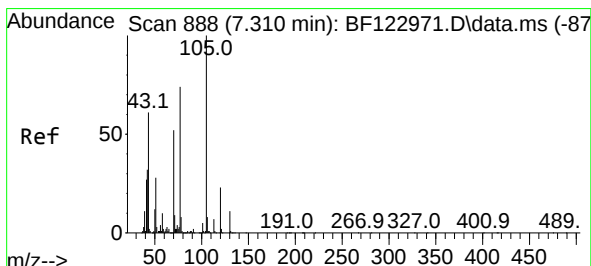
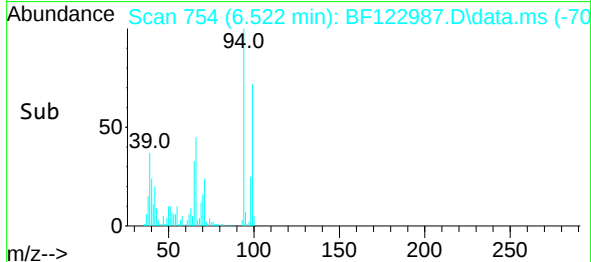
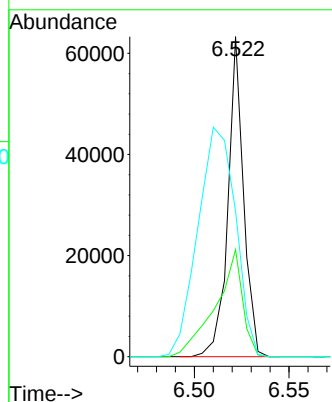
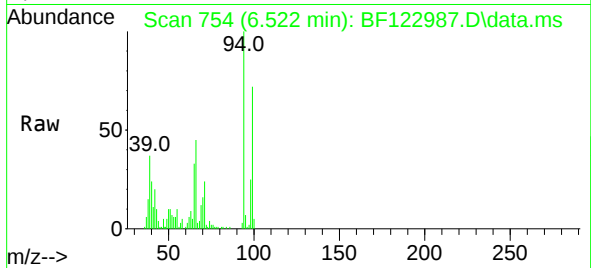




#10
Phenol
Concen: 3.67 ng
RT: 6.522 min Scan# 754
Delta R.T. -0.012 min
Lab File: BF122987.D
Acq: 18 Jan 2021 14:28

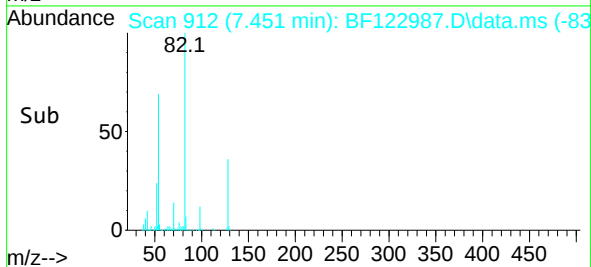
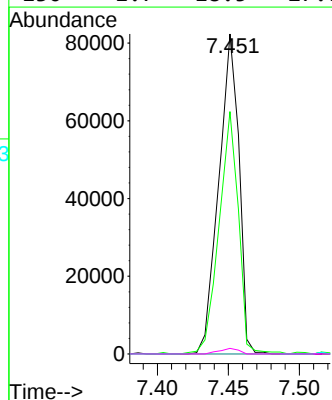
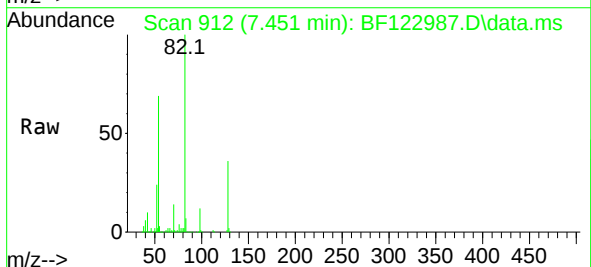
Instrument :
BNA_F
ClientSampleId :
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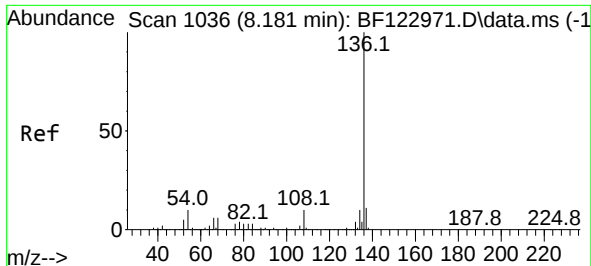
Tgt Ion: 94	Resp: 36286
Ion Ratio	Lower Upper
94 100	
65 33.5	11.2 51.2
66 45.5	25.8 65.8



#19
n-Nitroso-di-n-propylamine
Concen: 13.91 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.141 min
Lab File: BF122987.D
Acq: 18 Jan 2021 14:28

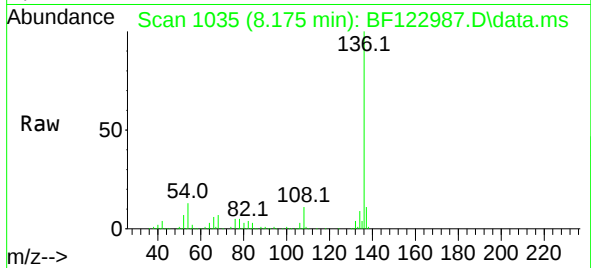
Tgt Ion: 70	Resp: 81108
Ion Ratio	Lower Upper
70 100	
42 75.8	43.0 64.4#
101 0.0	7.9 11.9#
130 1.7	18.5 27.7#



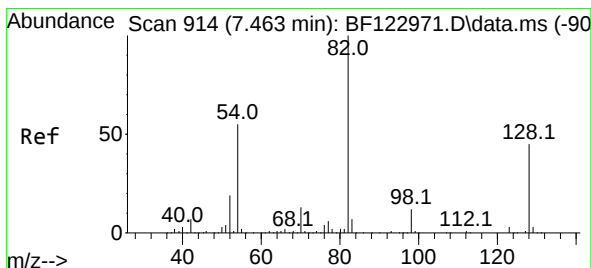
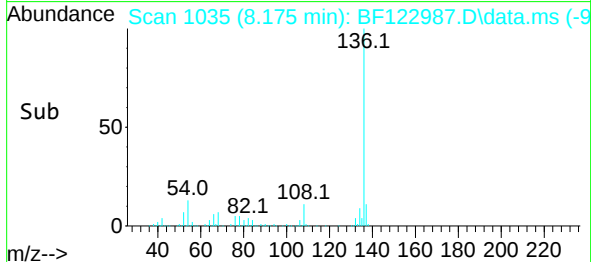
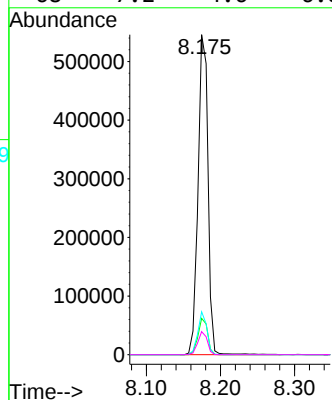


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF122987.D
Acq: 18 Jan 2021 14:28

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-LIGHT

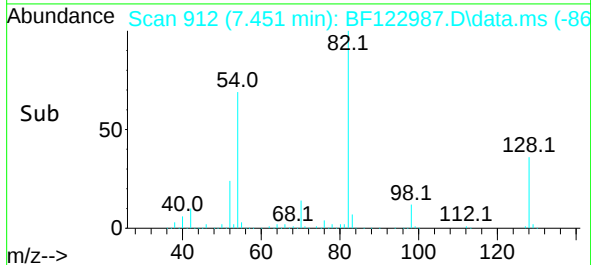
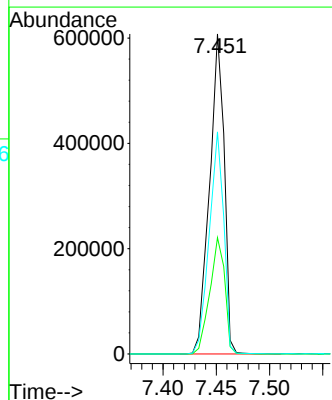
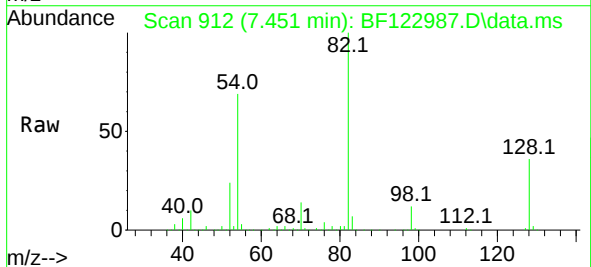


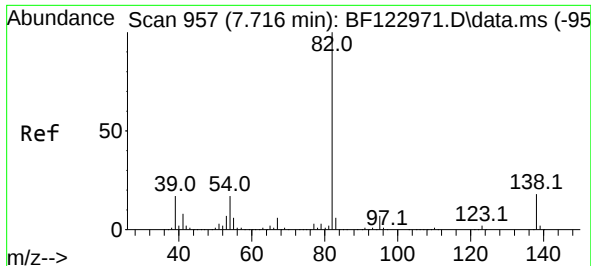
Tgt Ion:136 Resp: 507399
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 13.4 5.5 8.3#
68 7.2 4.6 6.8#



#23
Nitrobenzene-d5
Concen: 59.18 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF122987.D
Acq: 18 Jan 2021 14:28

Tgt Ion: 82 Resp: 583506
Ion Ratio Lower Upper
82 100
128 36.4 37.0 55.4#
54 69.4 38.4 57.6#

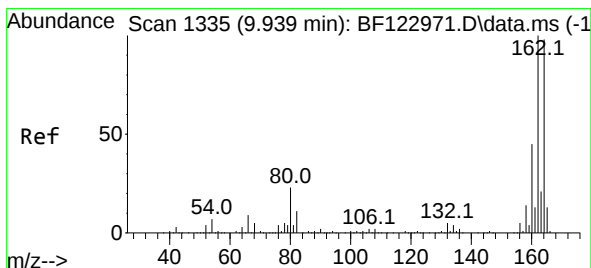
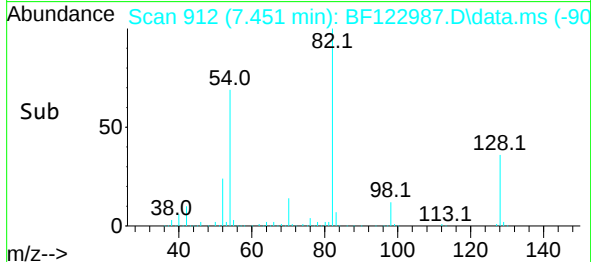
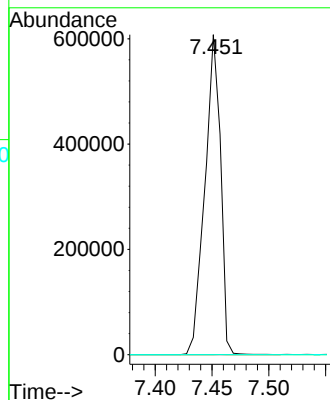
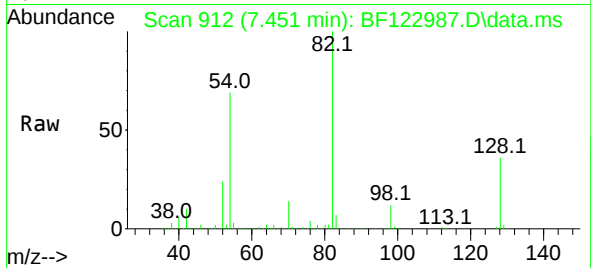




#25
Isophorone
Concen: 33.17 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.265 min
Lab File: BF122987.D
Acq: 18 Jan 2021 14:28

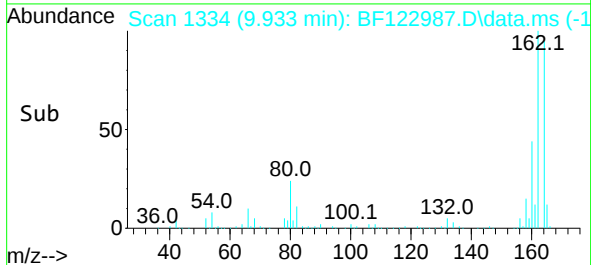
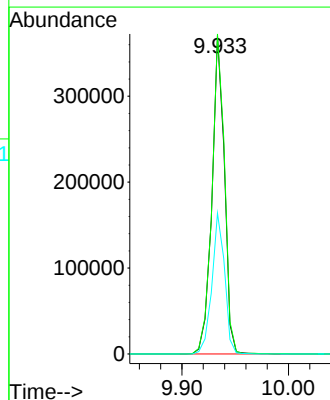
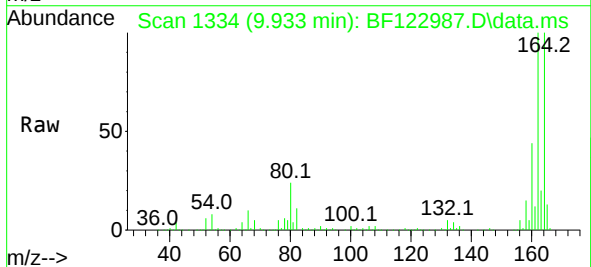
Instrument :
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ClientSampleId :
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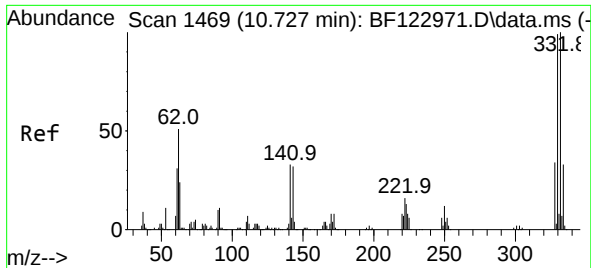
Tgt Ion: 82 Resp: 583602
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF122987.D
Acq: 18 Jan 2021 14:28

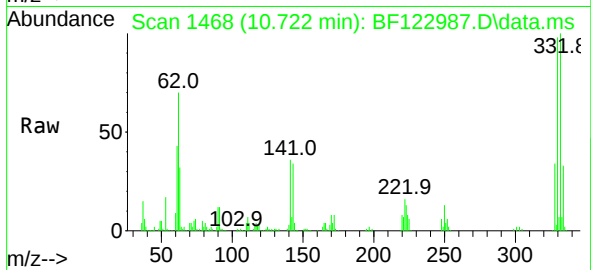
Tgt Ion: 164 Resp: 302251
Ion Ratio Lower Upper
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162 100.4 80.8 121.2
160 44.2 35.4 53.0



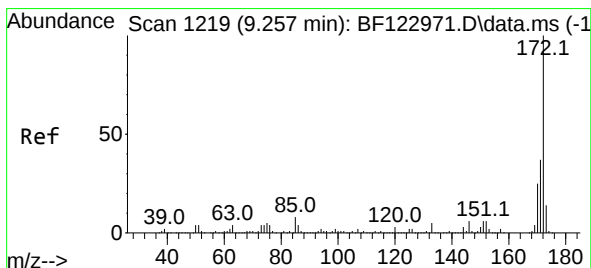
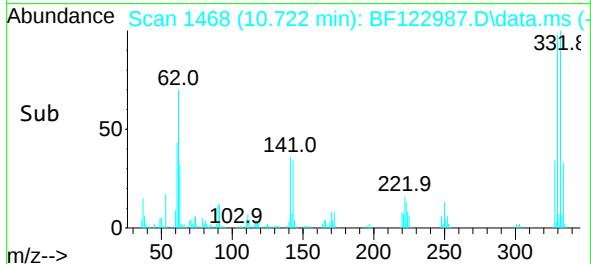
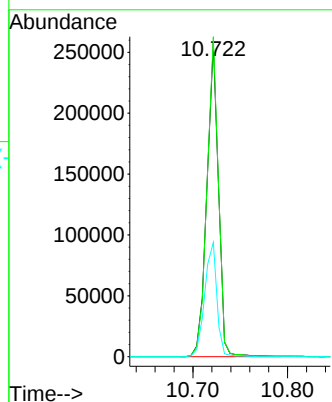


#42
2,4,6-Tribromophenol
Concen: 64.42 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.005 min
Lab File: BF122987.D
Acq: 18 Jan 2021 14:28

Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-LIGHT

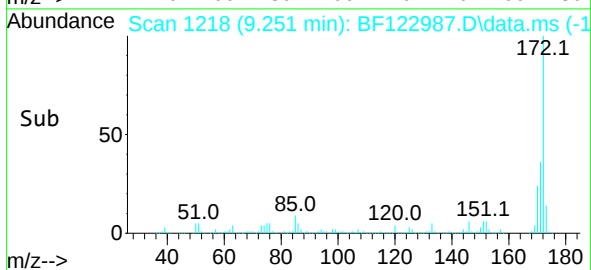
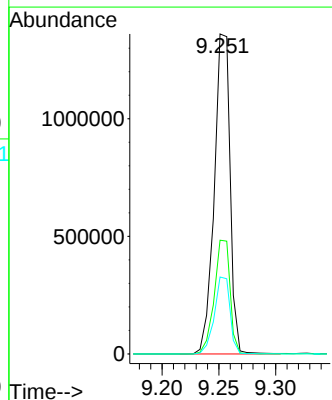
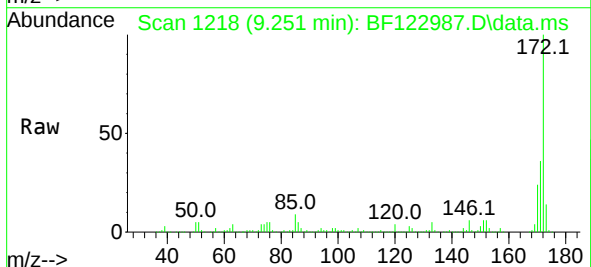


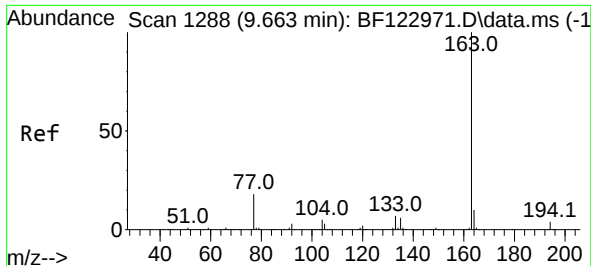
Tgt Ion: 330 Resp: 220194
Ion Ratio Lower Upper
330 100
332 100.7 77.5 116.3
141 38.3 23.8 35.8#



#45
2-Fluorobiphenyl
Concen: 61.40 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF122987.D
Acq: 18 Jan 2021 14:28

Tgt Ion: 172 Resp: 1325290
Ion Ratio Lower Upper
172 100
171 35.6 29.6 44.4
170 24.0 19.5 29.3

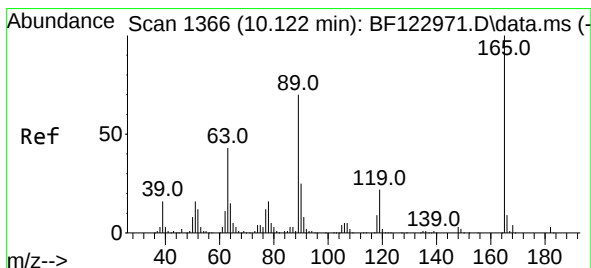
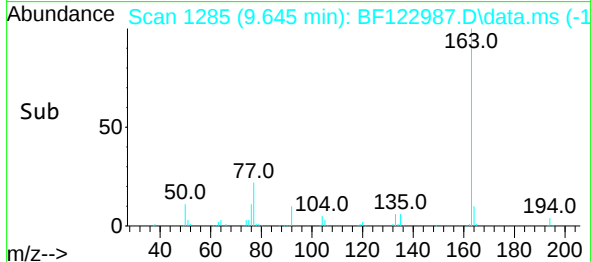
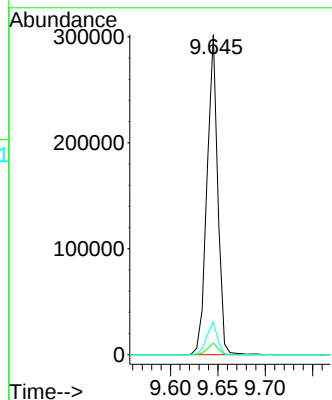
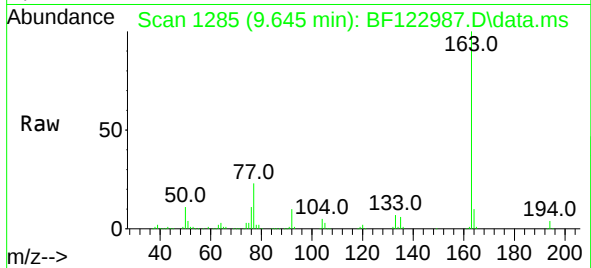




#50
Dimethylphthalate
Concen: 10.09 ng
RT: 9.645 min Scan# 1285
Delta R.T. -0.018 min
Lab File: BF122987.D
Acq: 18 Jan 2021 14:28

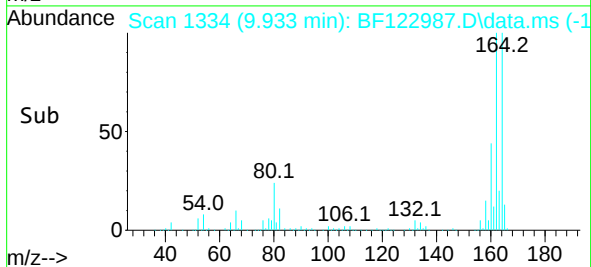
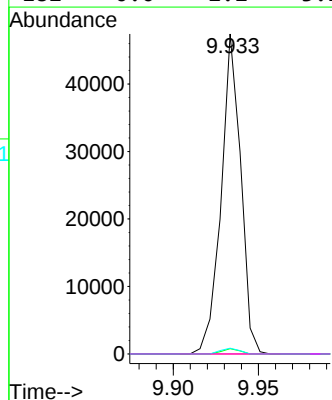
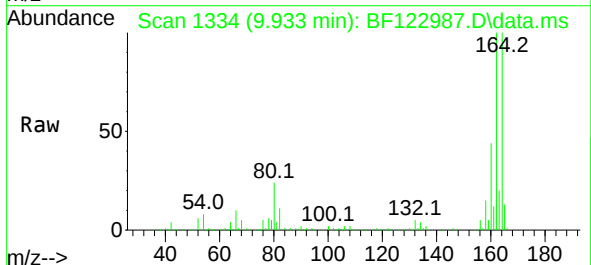
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-LIGHT

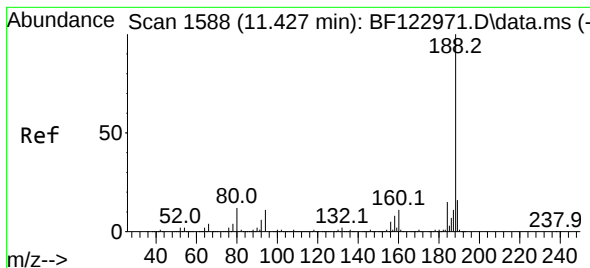
Tgt Ion:163 Resp: 236813
Ion Ratio Lower Upper
163 100
194 3.6 3.4 5.0
164 10.2 8.1 12.1



#57
2,4-Dinitrotoluene
Concen: 5.75 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.188 min
Lab File: BF122987.D
Acq: 18 Jan 2021 14:28

Tgt Ion:165 Resp: 37921
Ion Ratio Lower Upper
165 100
63 1.6 34.3 51.5#
89 1.8 55.2 82.8#
182 0.0 2.2 3.2#

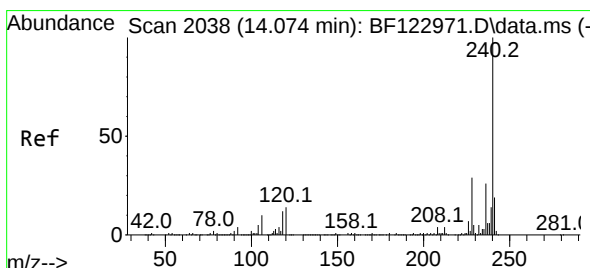
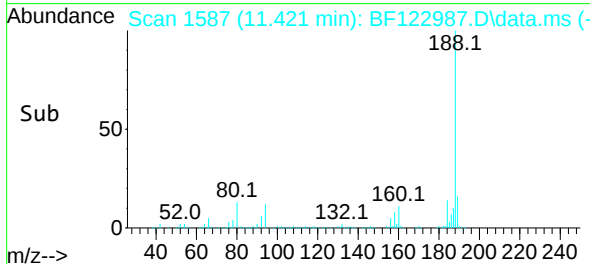
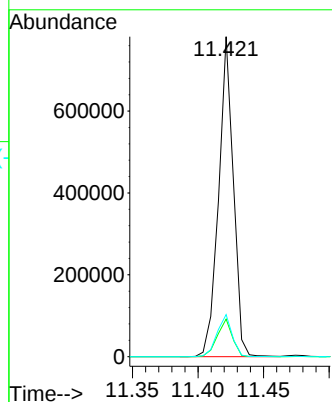
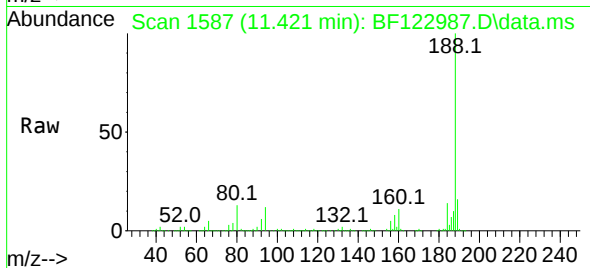




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.421 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF122987.D
Acq: 18 Jan 2021 14:28

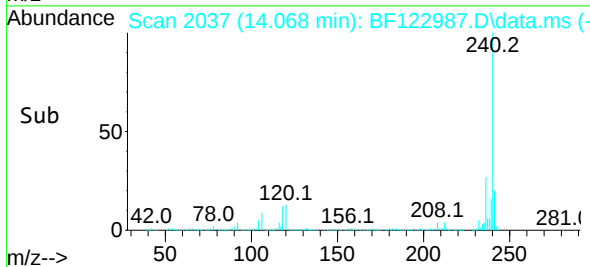
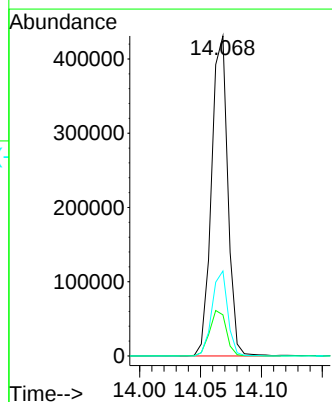
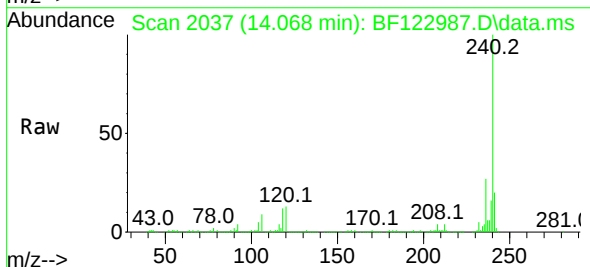
Instrument :
BNA_F
ClientSampleId :
TOPSOIL-RBF-LIGHT

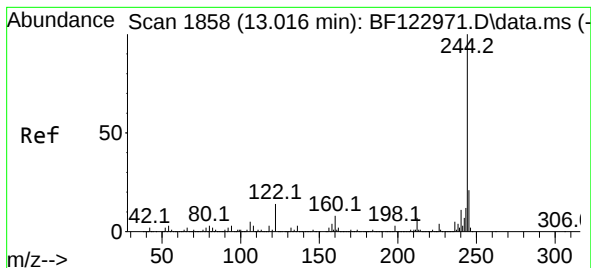
Tgt Ion:188 Resp: 610631
Ion Ratio Lower Upper
188 100
94 11.7 7.4 11.2#
80 13.2 8.2 12.4#



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF122987.D
Acq: 18 Jan 2021 14:28

Tgt Ion:240 Resp: 400402
Ion Ratio Lower Upper
240 100
120 12.8 8.6 12.8#
236 26.5 20.3 30.5





#79

Terphenyl-d14

Concen: 55.22 ng

RT: 13.015 min Scan# 1858

Delta R.T. -0.001 min

Lab File: BF122987.D

Acq: 18 Jan 2021 14:28

Tgt Ion:244 Resp: 1205912

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

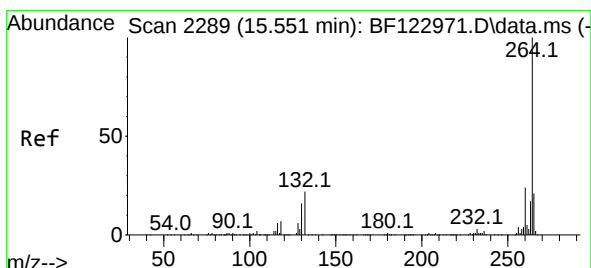
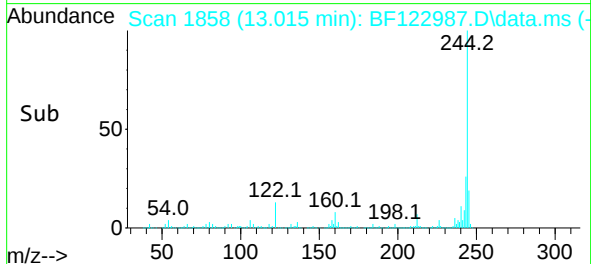
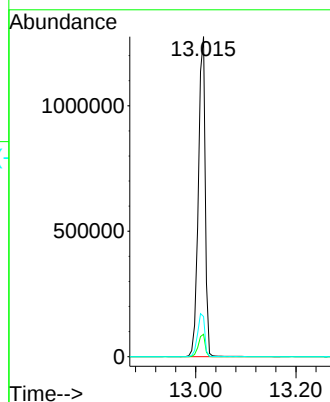
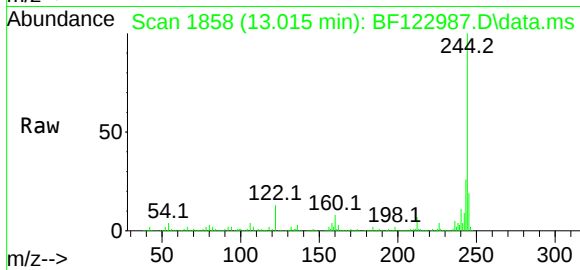
122 12.6 8.3 12.5#

Instrument :

BNA_F

ClientSampleId :

TOPSOIL-RBF-LIGHT



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.545 min Scan# 2288

Delta R.T. -0.006 min

Lab File: BF122987.D

Acq: 18 Jan 2021 14:28

Tgt Ion:264 Resp: 376724

Ion Ratio Lower Upper

264 100

260 23.0 18.6 28.0

265 21.6 17.0 25.6

