

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120120\
 Data File : BF122525.D
 Acq On : 1 Dec 2020 16:56
 Operator : JU/CG
 Sample : L4909-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROCK-HILL-SLOPE-EMBANKMENT-

Quant Time: Dec 01 17:36:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 24 14:38:56 2020
 Response via : Initial Calibration

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

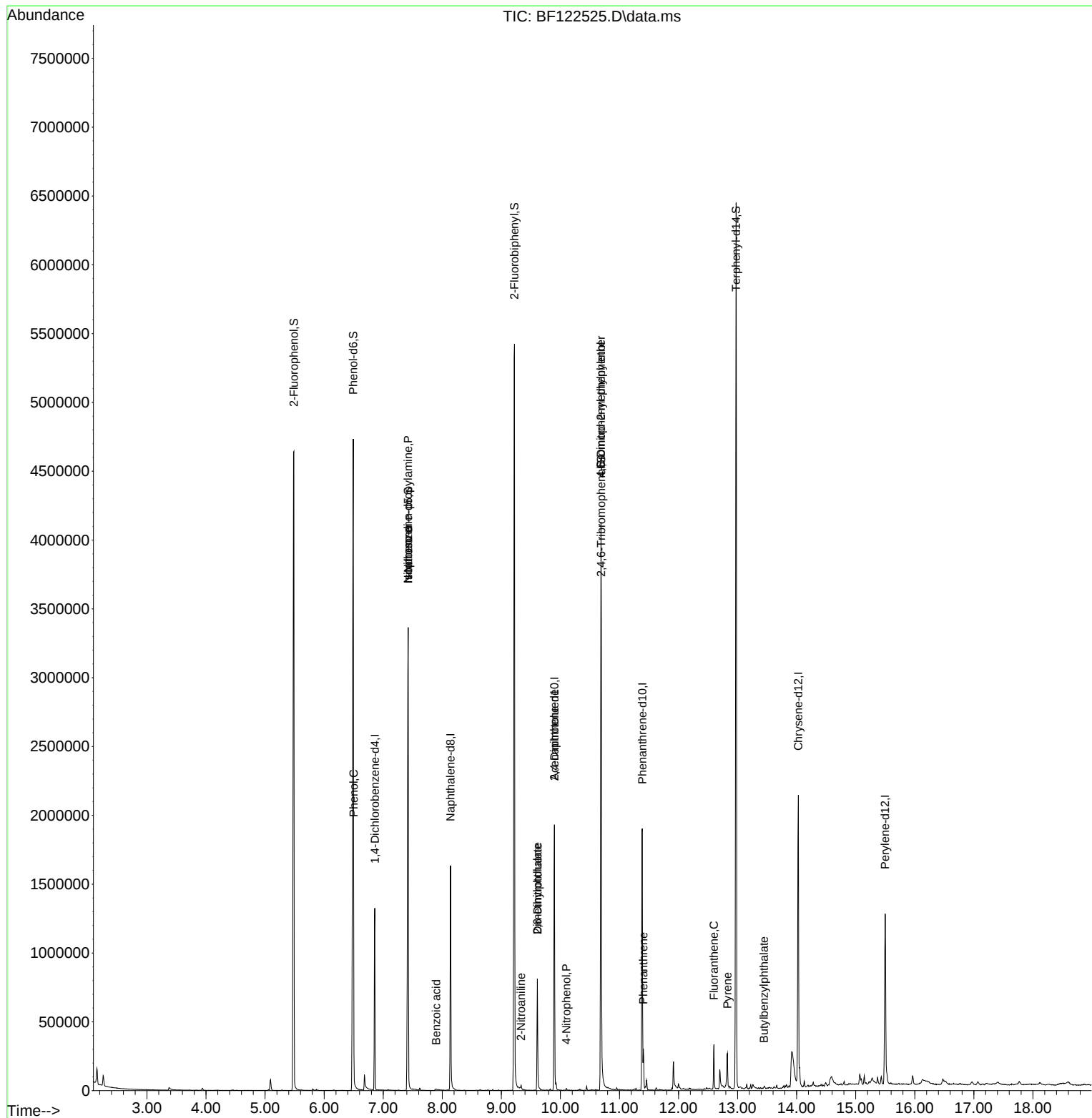
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	193460	20.00	ng	0.00
21) Naphthalene-d8	8.140	136	755876	20.00	ng	0.00
39) Acenaphthene-d10	9.898	164	405436	20.00	ng	0.00
64) Phenanthrene-d10	11.386	188	766281	20.00	ng	# 0.00
76) Chrysene-d12	14.027	240	718285	20.00	ng	0.00
86) Perylene-d12	15.498	264	602523	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	1559354	123.77	ng	0.00
7) Phenol-d6	6.493	99	1936453	117.49	ng	0.00
23) Nitrobenzene-d5	7.422	82	1243020	100.67	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	631335	145.09	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	2028269	78.16	ng	0.00
79) Terphenyl-d14	12.974	244	2264560	66.79	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.493	77	3433	Below Cal	#	3
10) Phenol	6.498	94	62207	3.83	ng	90
19) n-Nitroso-di-n-propyla...	7.422	70	167668	17.02	ng	# 75
25) Isophorone	7.422	82	1224349	44.48	ng	# 67
32) Benzoic acid	7.898	122	4450	8.48	ng	# 88
48) 2-Nitroaniline	9.334	65	144	5.19	ng	# 6
50) Dimethylphthalate	9.610	163	344006	11.94	ng	99
51) 2,6-Dinitrotoluene	9.610	165	3586	4.33	ng	# 30
56) 4-Nitrophenol	10.098	139	2157	5.73	ng	# 10
57) 2,4-Dinitrotoluene	9.898	165	51608	10.48	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.686	198	1330	6.65	ng	# 1
67) 4-Bromophenyl-phenylether	10.686	248	38926	4.32	ng	# 1
71) Phenanthrene	11.404	178	102387	2.35	ng	98
75) Fluoranthene	12.598	202	130255	2.87	ng	96
78) Pyrene	12.827	202	113128	2.24	ng	97
80) Butylbenzylphthalate	13.445	149	542	3.31	ng	# 36

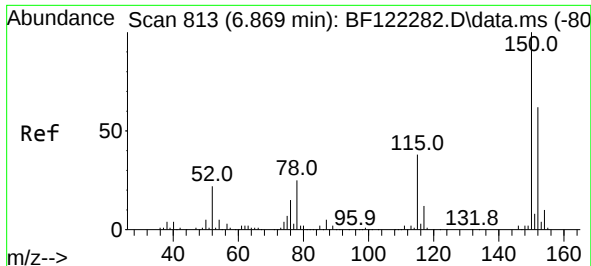
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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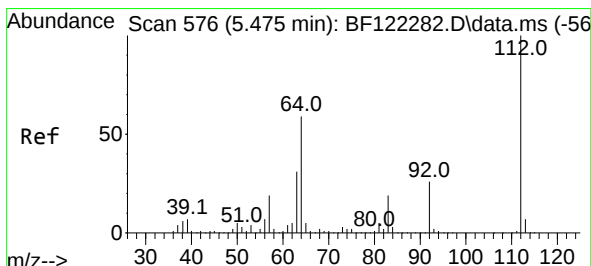
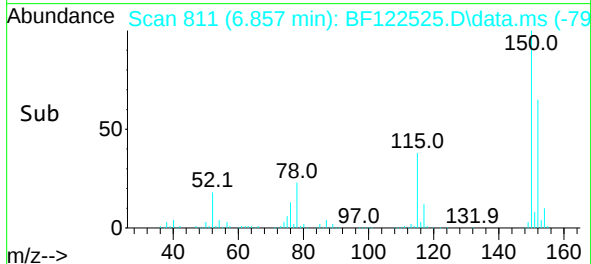
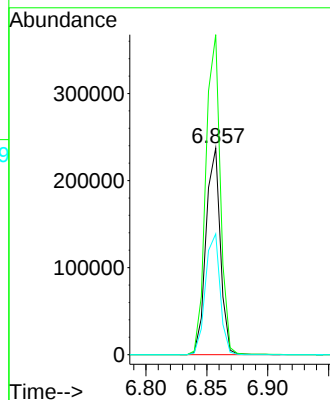
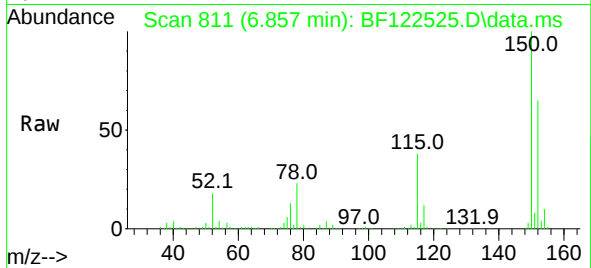




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.857 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF122525.D
Acq: 1 Dec 2020 16:56

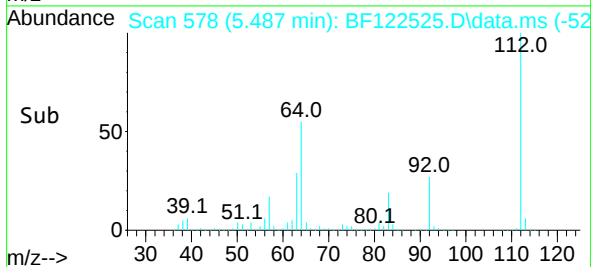
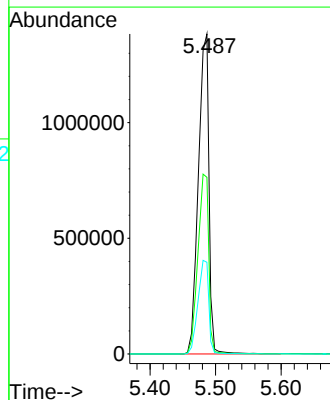
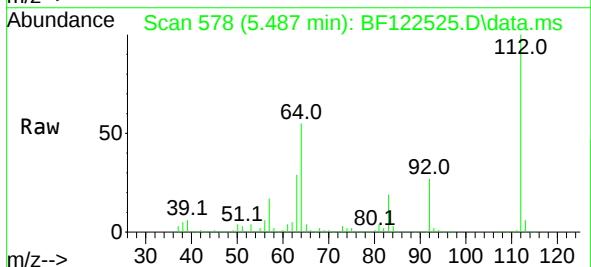
Instrument :
BNA_F
ClientSampleId :
ROCK-HILL-SLOPE-EMBANKMENT-

Tgt Ion:152 Resp: 193460
Ion Ratio Lower Upper
152 100
150 154.9 125.3 187.9
115 58.5 51.9 77.9



#5
2-Fluorophenol
Concen: 123.77 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF122525.D
Acq: 1 Dec 2020 16:56

Tgt Ion:112 Resp: 1559354
Ion Ratio Lower Upper
112 100
64 55.2 50.4 75.6
63 28.7 25.8 38.6

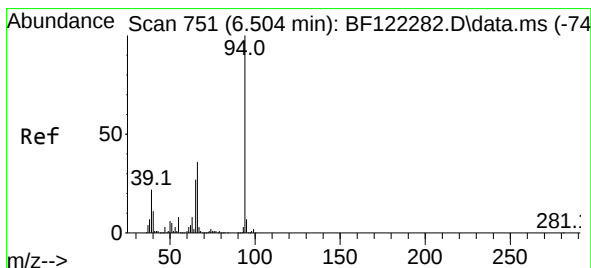
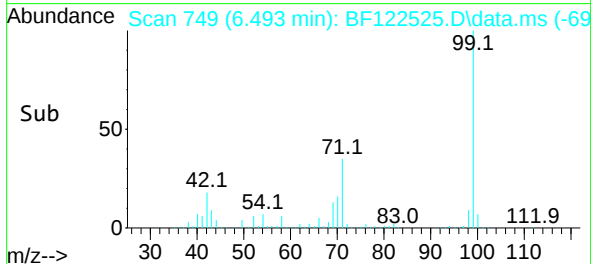
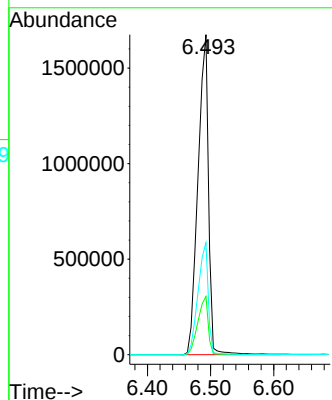
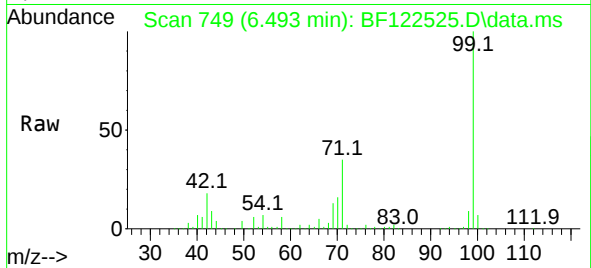




#7
Phenol-d6
Concen: 117.49 ng
RT: 6.493 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF122525.D
Acq: 1 Dec 2020 16:56

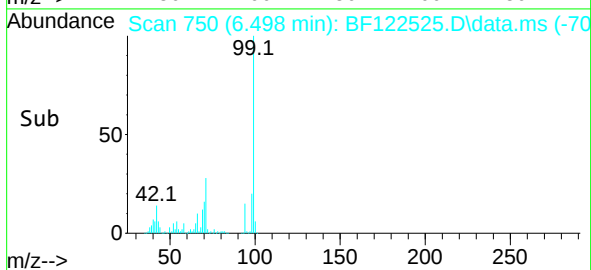
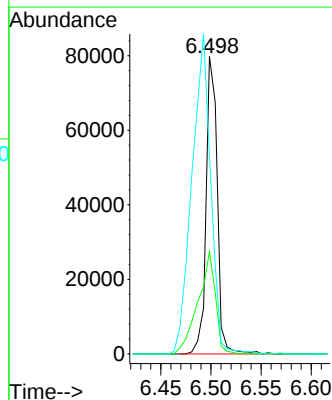
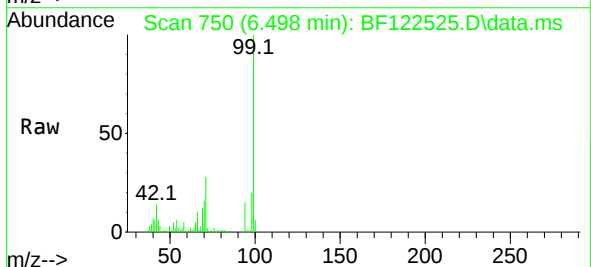
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ROCK-HILL-SLOPE-EMBANKMENT-

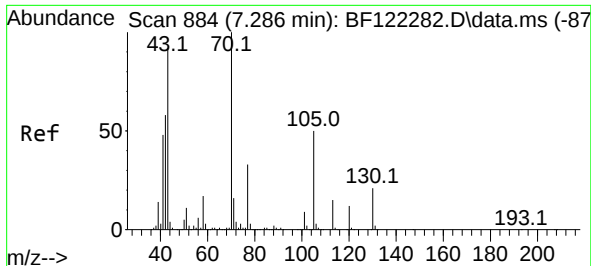
Tgt Ion: 99 Resp: 1936453
Ion Ratio Lower Upper
99 100
42 18.2 15.9 23.9
71 35.0 27.1 40.7



#10
Phenol
Concen: 3.83 ng
RT: 6.498 min Scan# 750
Delta R.T. -0.012 min
Lab File: BF122525.D
Acq: 1 Dec 2020 16:56

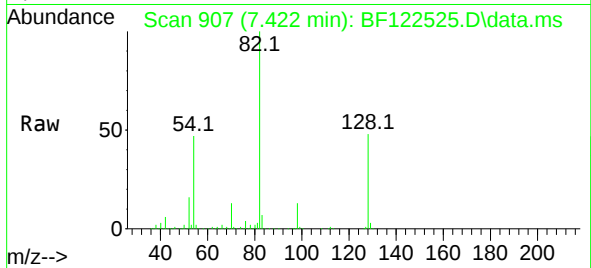
Tgt Ion: 94 Resp: 62207
Ion Ratio Lower Upper
94 100
65 34.4 17.1 57.1
66 66.4 36.0 76.0



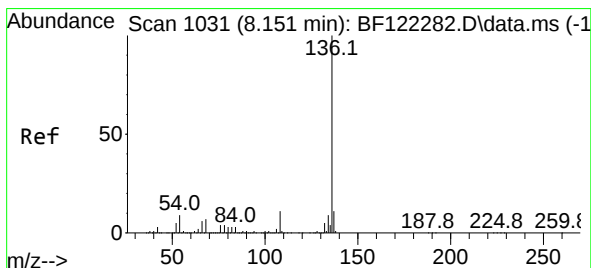
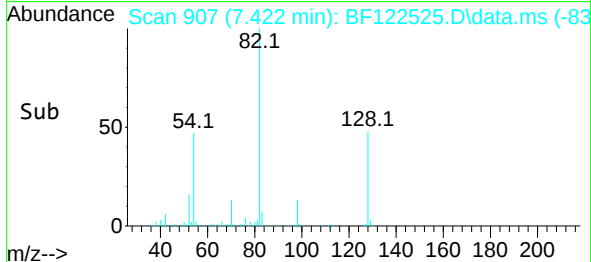
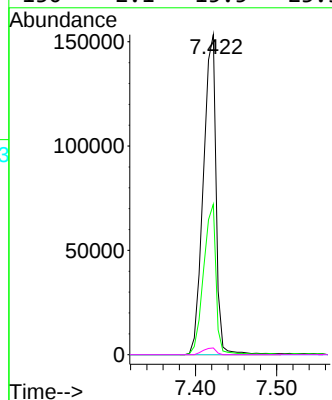


#19
n-Nitroso-di-n-propylamine
Concen: 17.02 ng
RT: 7.422 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF122525.D
Acq: 1 Dec 2020 16:56

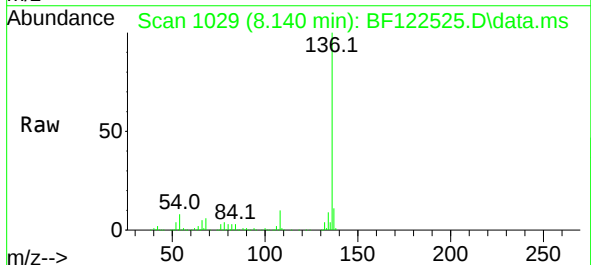
Instrument :
BNA_F
ClientSampleId :
ROCK-HILL-SLOPE-EMBANKMENT-



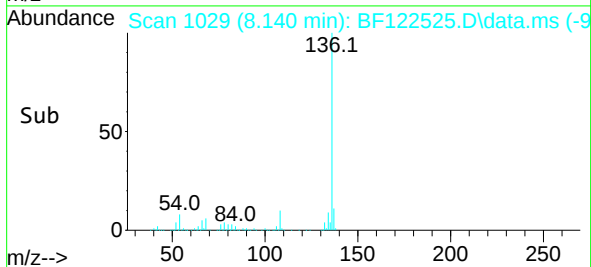
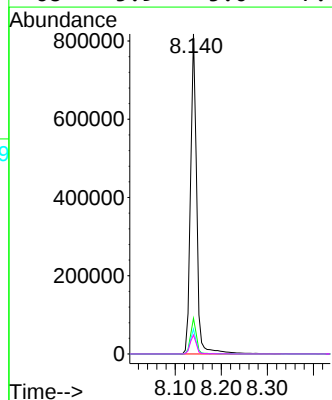
Tgt Ion: 70 Resp: 167668
Ion Ratio Lower Upper
70 100
42 47.0 50.2 75.4#
101 0.0 7.5 11.3#
130 2.1 15.5 23.3#

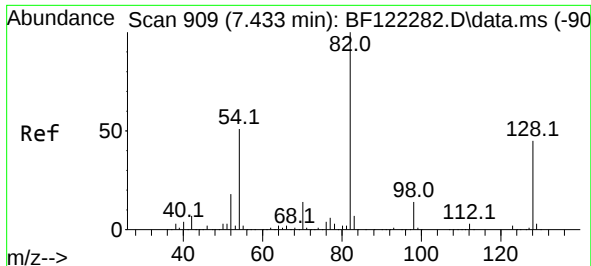


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.140 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF122525.D
Acq: 1 Dec 2020 16:56



Tgt Ion: 136 Resp: 755876
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 7.8 7.1 10.7
68 5.9 5.0 7.4

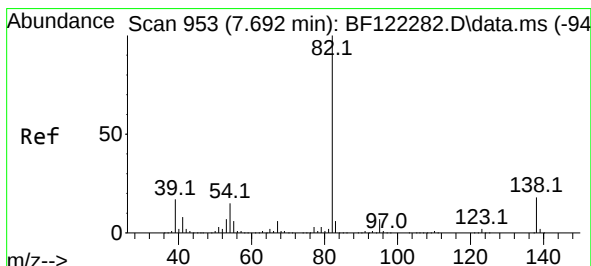
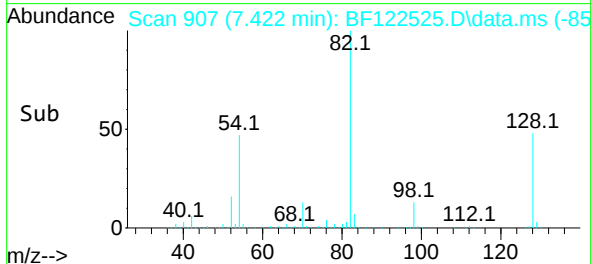
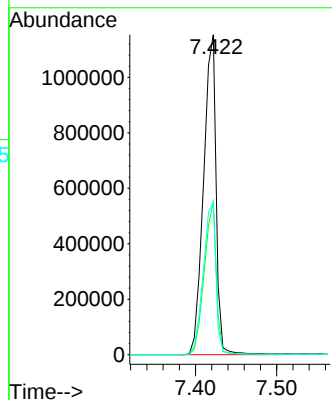
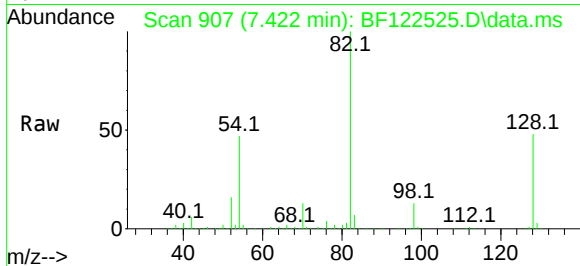




#23
Nitrobenzene-d5
Concen: 100.67 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF122525.D
Acq: 1 Dec 2020 16:56

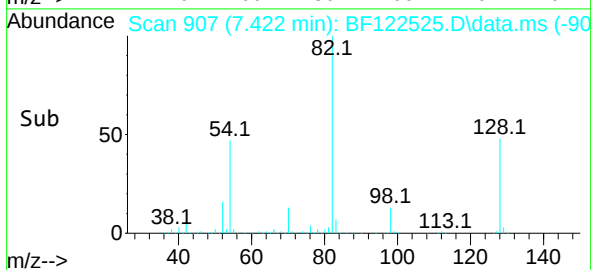
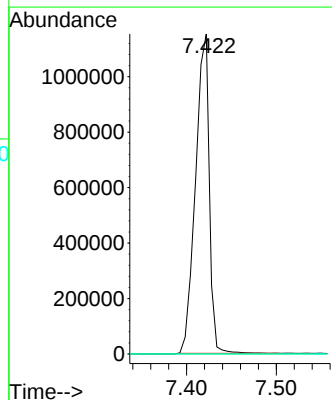
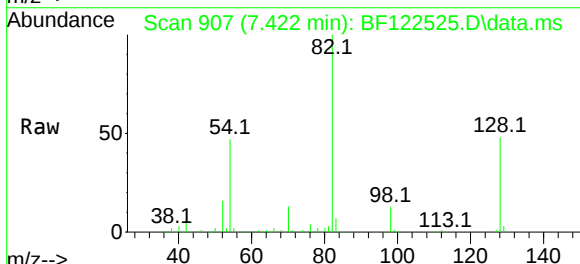
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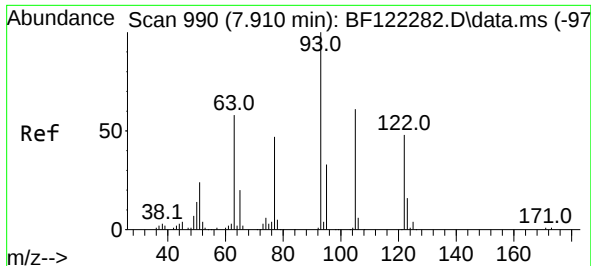
Tgt Ion: 82 Resp: 1243020
Ion Ratio Lower Upper
82 100
128 47.8 35.0 52.4
54 47.5 43.9 65.9



#25
Isophorone
Concen: 44.48 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.265 min
Lab File: BF122525.D
Acq: 1 Dec 2020 16:56

Tgt Ion: 82 Resp: 1224349
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 13.4 20.0#

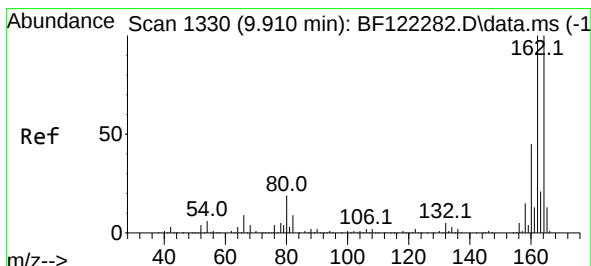
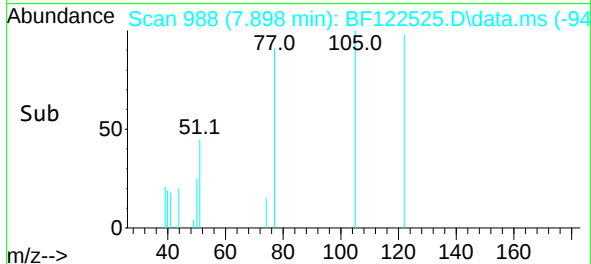
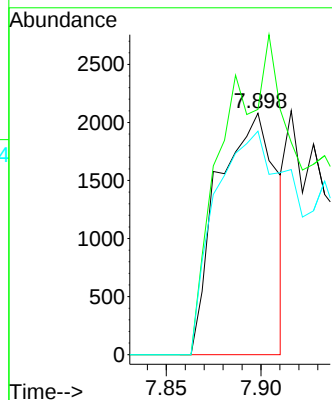
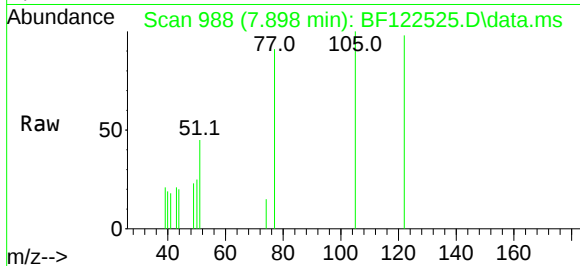




#32
Benzoic acid
Concen: 8.48 ng
RT: 7.898 min Scan# 988
Delta R.T. -0.035 min
Lab File: BF122525.D
Acq: 1 Dec 2020 16:56

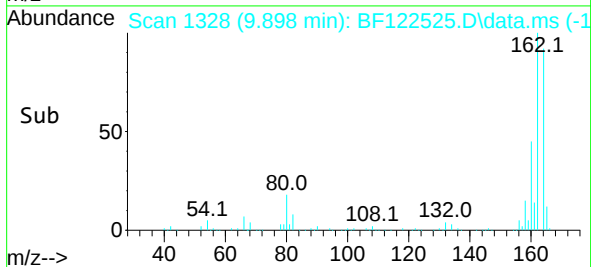
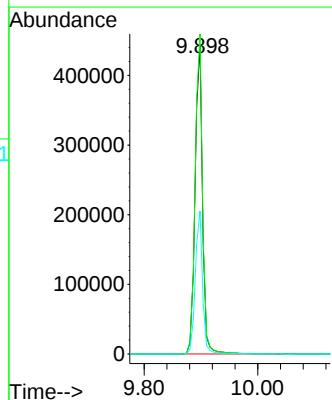
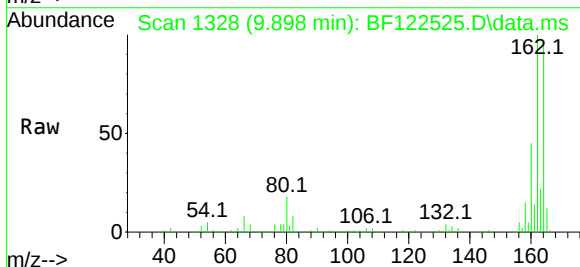
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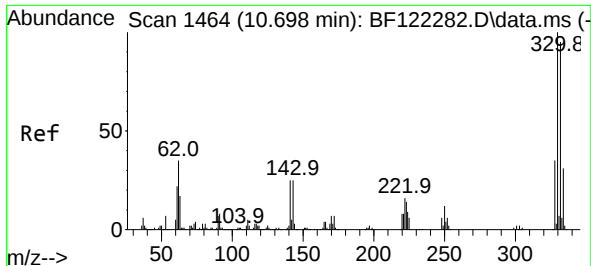
Tgt Ion:122 Resp: 4450
Ion Ratio Lower Upper
122 100
105 101.6 103.3 143.3#
77 92.6 73.9 113.9



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF122525.D
Acq: 1 Dec 2020 16:56

Tgt Ion:164 Resp: 405436
Ion Ratio Lower Upper
164 100
162 103.5 83.2 124.8
160 46.2 37.5 56.3

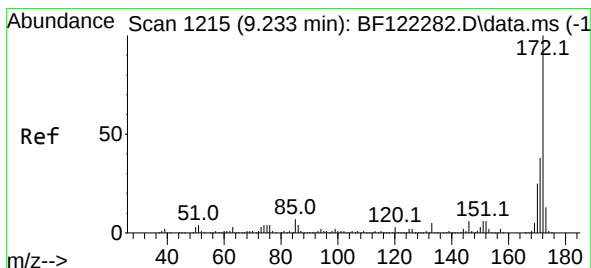
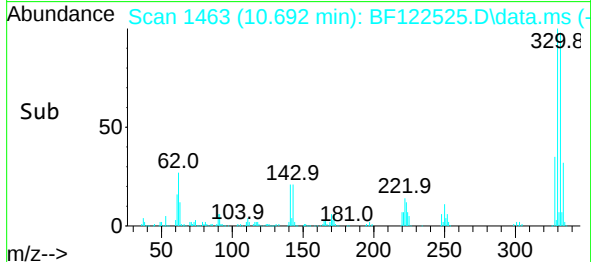
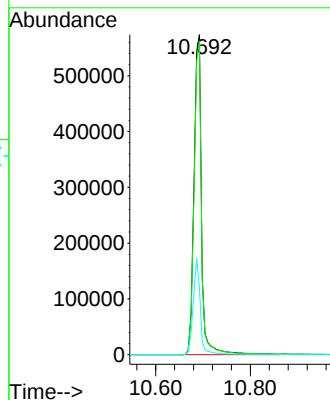
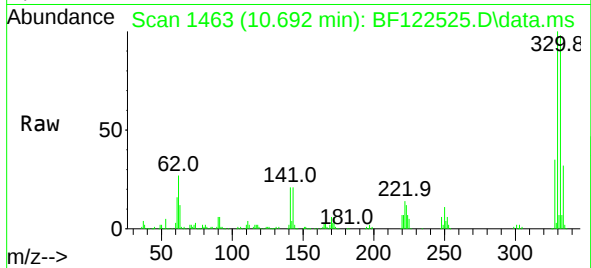




#42
2,4,6-Tribromophenol
Concen: 145.09 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.000 min
Lab File: BF122525.D
Acq: 1 Dec 2020 16:56

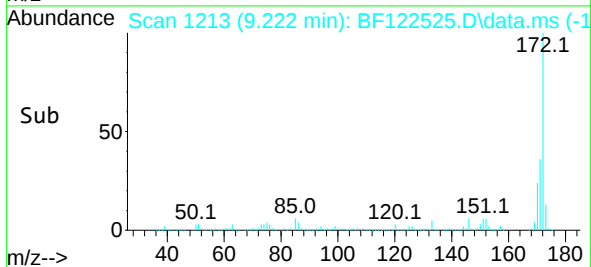
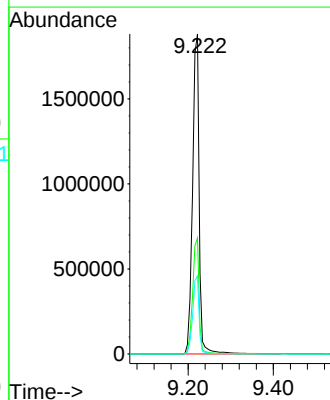
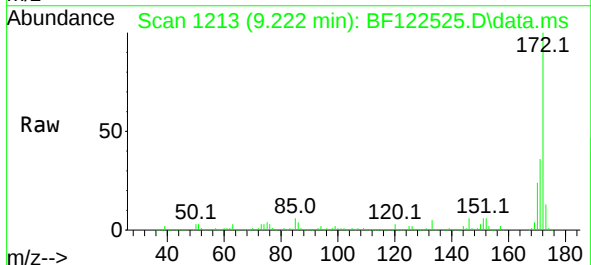
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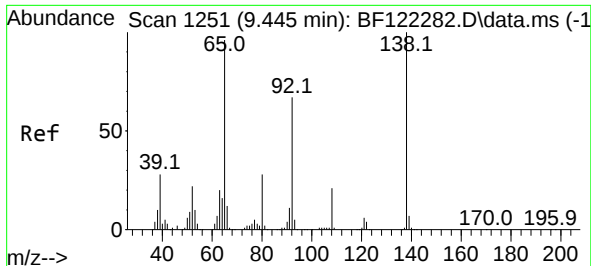
Tgt Ion:330 Resp: 631335
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 28.5 22.3 33.5



#45
2-Fluorobiphenyl
Concen: 78.16 ng
RT: 9.222 min Scan# 1213
Delta R.T. 0.000 min
Lab File: BF122525.D
Acq: 1 Dec 2020 16:56

Tgt Ion:172 Resp: 2028269
Ion Ratio Lower Upper
172 100
171 36.3 29.1 43.7
170 24.4 19.8 29.6

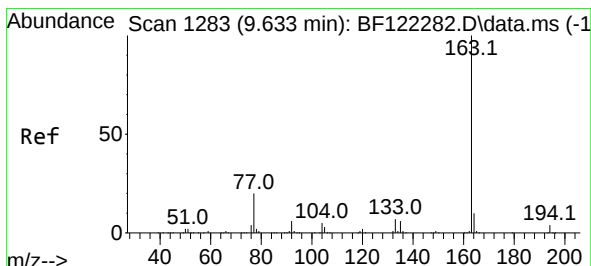
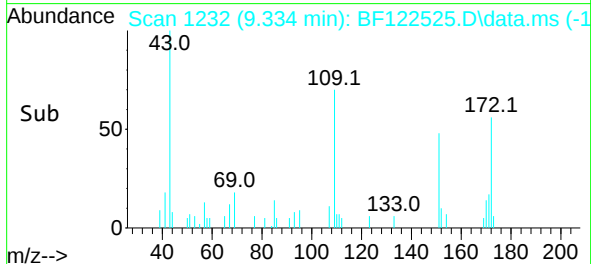
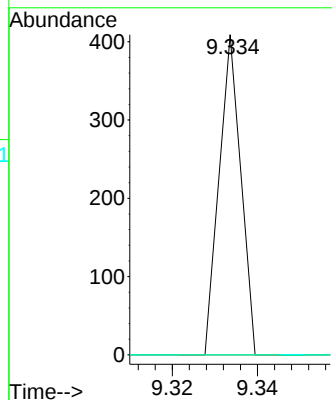
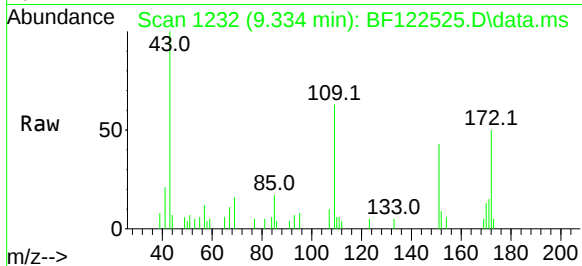




#48
2-Nitroaniline
Concen: 5.19 ng
RT: 9.334 min Scan# 1232
Delta R.T. -0.112 min
Lab File: BF122525.D
Acq: 1 Dec 2020 16:56

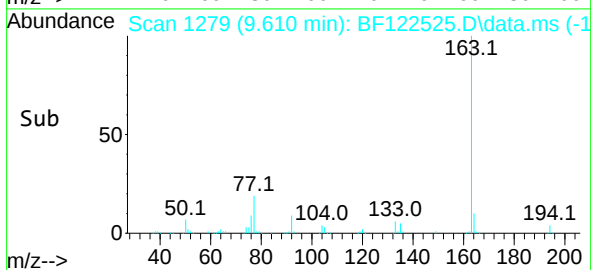
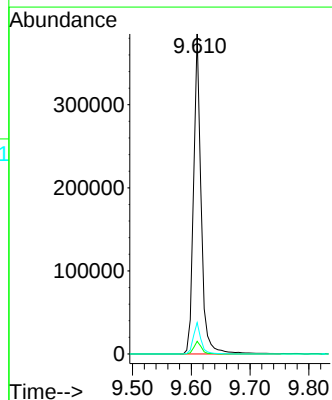
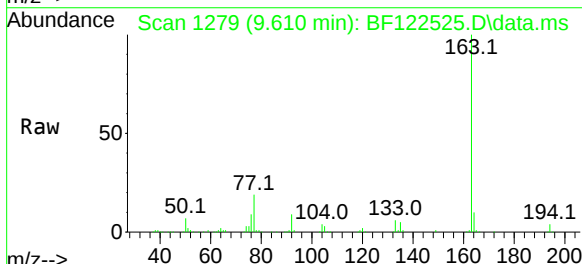
Instrument :
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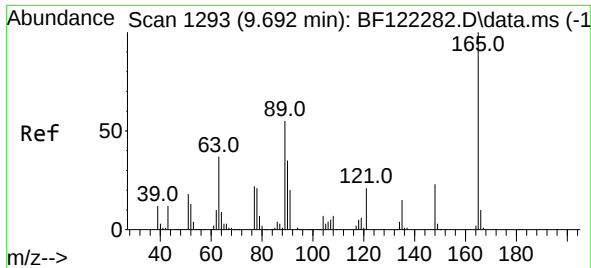
Tgt Ion: 65 Resp: 144
Ion Ratio Lower Upper
65 100
92 0.0 55.1 82.7#
138 0.0 80.5 120.7#



#50
Dimethylphthalate
Concen: 11.94 ng
RT: 9.610 min Scan# 1279
Delta R.T. -0.018 min
Lab File: BF122525.D
Acq: 1 Dec 2020 16:56

Tgt Ion:163 Resp: 344006
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 9.8 8.2 12.4

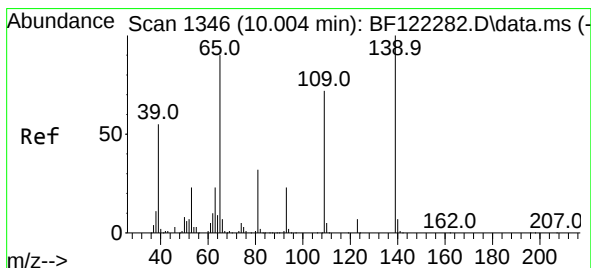
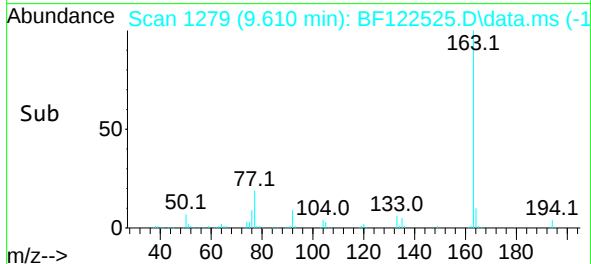
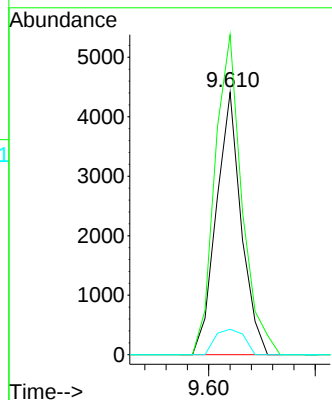
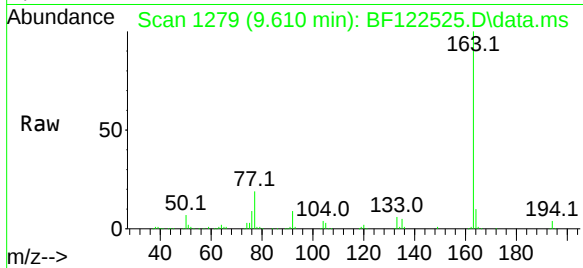




#51
2,6-Dinitrotoluene
Concen: 4.33 ng
RT: 9.610 min Scan# 1279
Delta R.T. -0.076 min
Lab File: BF122525.D
Acq: 1 Dec 2020 16:56

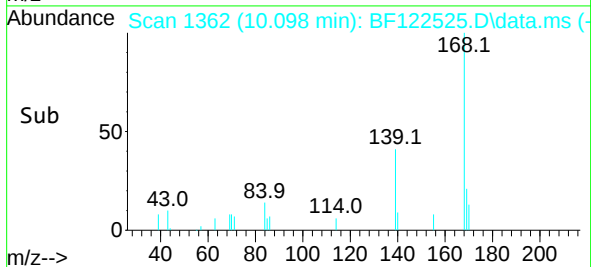
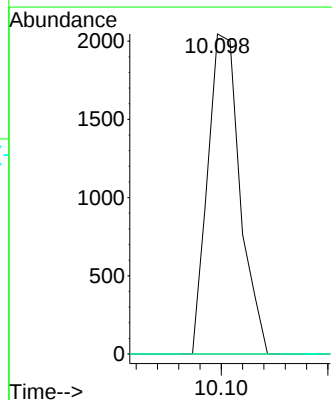
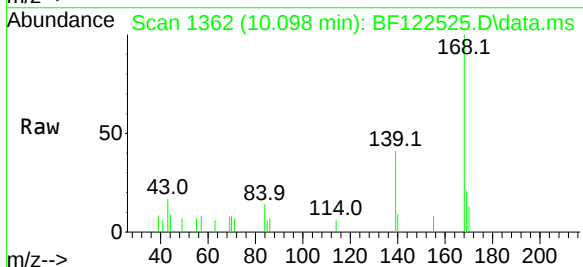
Instrument :
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ClientSampleId :
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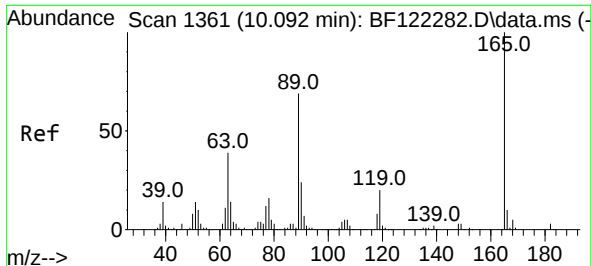
Tgt Ion:165 Resp: 3586
Ion Ratio Lower Upper
165 100
63 122.0 51.8 77.6#
89 9.7 49.0 73.6#



#56
4-Nitrophenol
Concen: 5.73 ng
RT: 10.098 min Scan# 1362
Delta R.T. 0.082 min
Lab File: BF122525.D
Acq: 1 Dec 2020 16:56

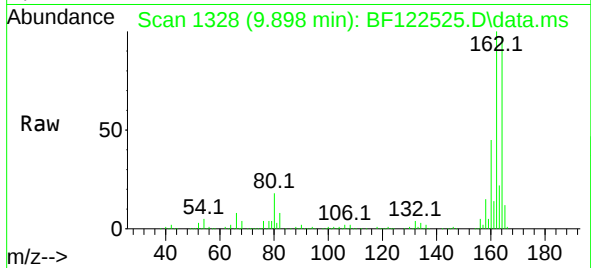
Tgt Ion:139 Resp: 2157
Ion Ratio Lower Upper
139 100
109 0.0 45.4 85.4#
65 0.0 68.4 108.4#



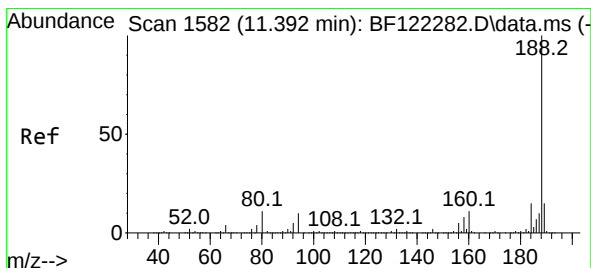
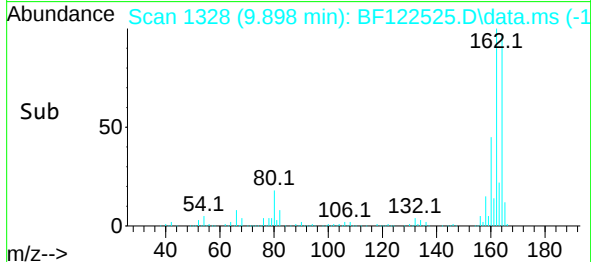
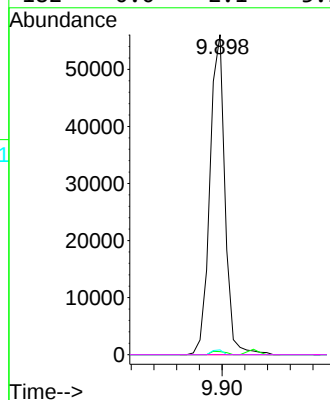


#57
2,4-Dinitrotoluene
Concen: 10.48 ng
RT: 9.898 min Scan# 1328
Delta R.T. -0.188 min
Lab File: BF122525.D
Acq: 1 Dec 2020 16:56

Instrument :
BNA_F
ClientSampleId :
ROCK-HILL-SLOPE-EMBANKMENT-

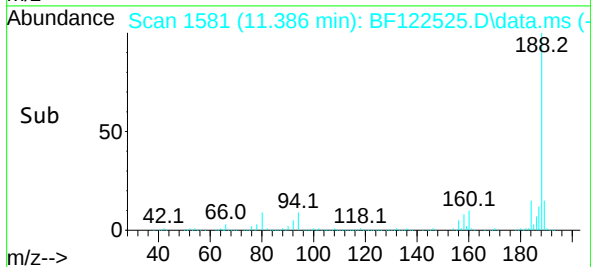
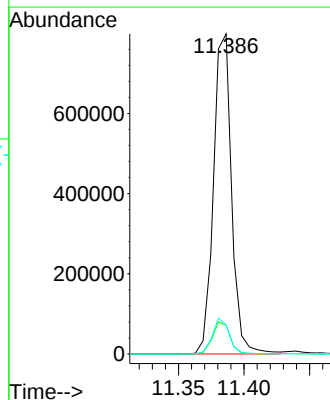
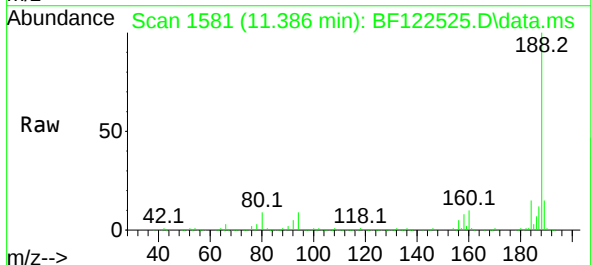


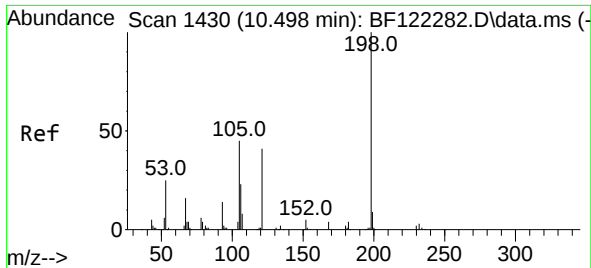
Tgt Ion:165 Resp: 51608
Ion Ratio Lower Upper
165 100
63 0.9 41.3 61.9#
89 1.5 61.8 92.8#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.386 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF122525.D
Acq: 1 Dec 2020 16:56

Tgt Ion:188 Resp: 766281
Ion Ratio Lower Upper
188 100
94 8.9 8.3 12.5
80 9.0 9.1 13.7#

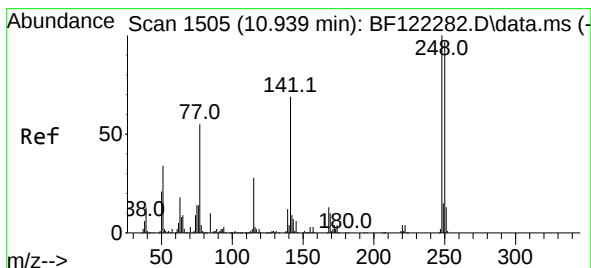
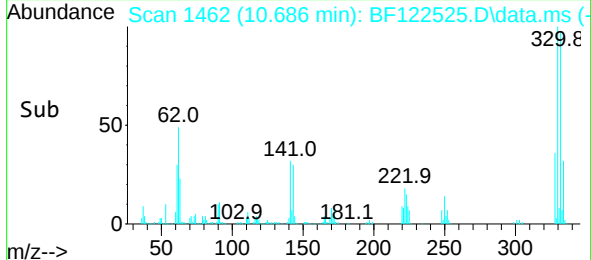
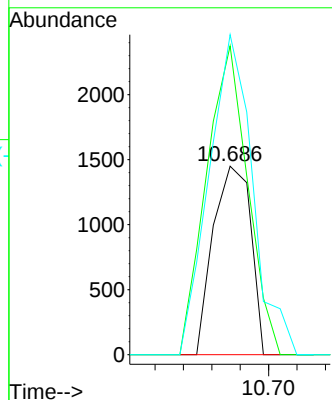
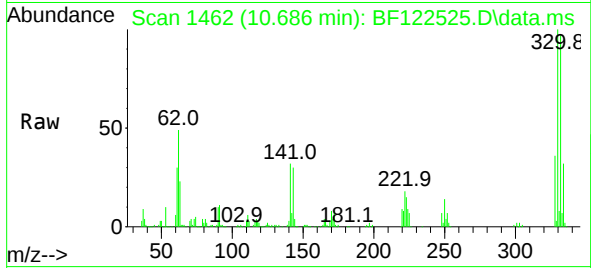




#65
4,6-Dinitro-2-methylphenol
Concen: 6.65 ng
RT: 10.686 min Scan# 1462
Delta R.T. 0.188 min
Lab File: BF122525.D
Acq: 1 Dec 2020 16:56

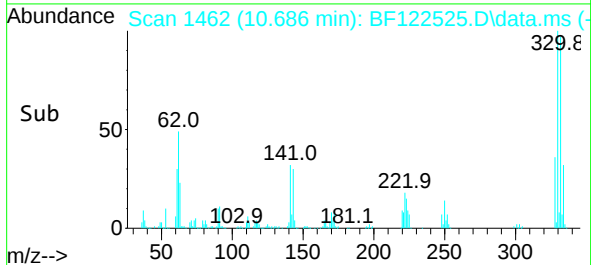
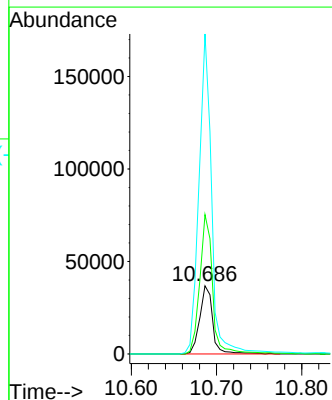
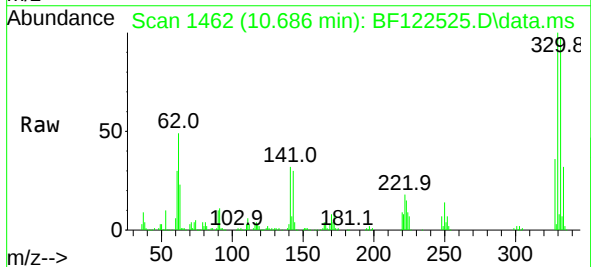
Instrument :
BNA_F
ClientSampleId :
ROCK-HILL-SLOPE-EMBANKMENT-

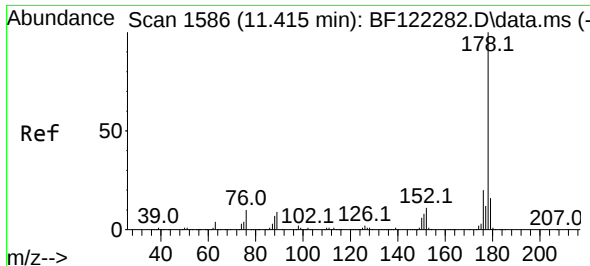
Tgt Ion:198 Resp: 1330
Ion Ratio Lower Upper
198 100
51 163.8 29.6 69.6#
105 169.7 24.4 64.4#



#67
4-Bromophenyl-phenylether
Concen: 4.32 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.247 min
Lab File: BF122525.D
Acq: 1 Dec 2020 16:56

Tgt Ion:248 Resp: 38926
Ion Ratio Lower Upper
248 100
250 204.6 77.0 115.6#
141 469.8 53.7 80.5#

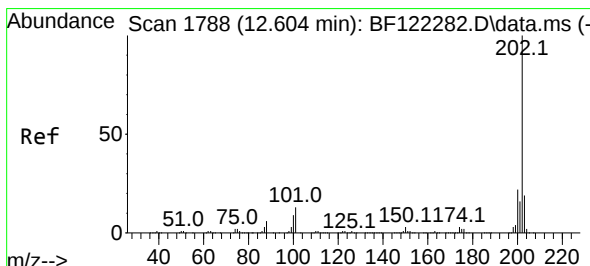
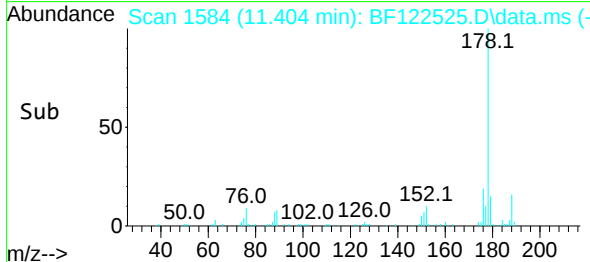
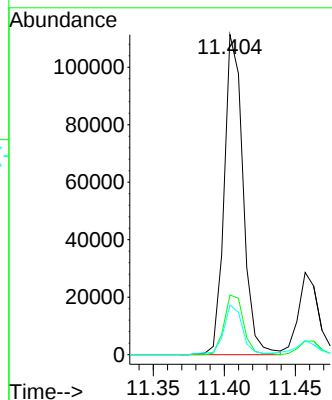
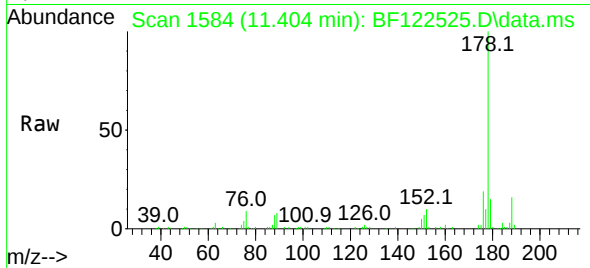




#71
Phenanthrene
Concen: 2.35 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF122525.D
Acq: 1 Dec 2020 16:56

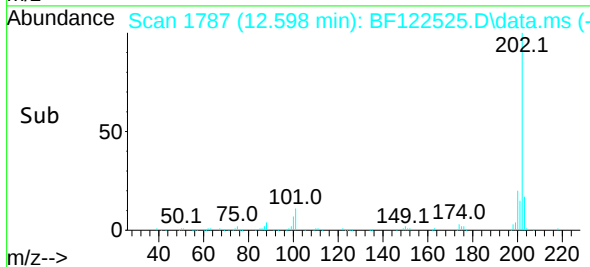
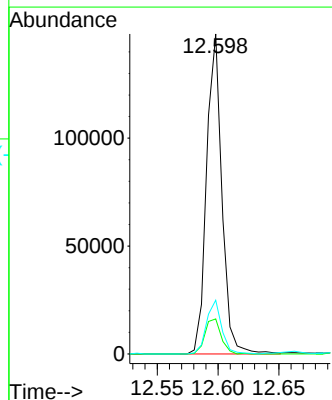
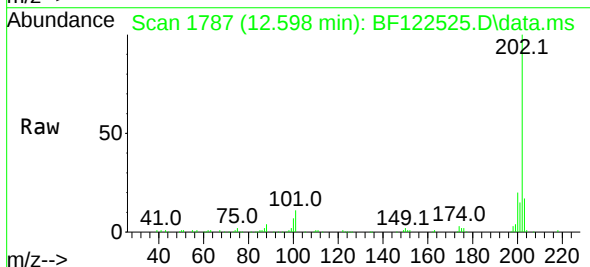
Instrument :
BNA_F
ClientSampleId :
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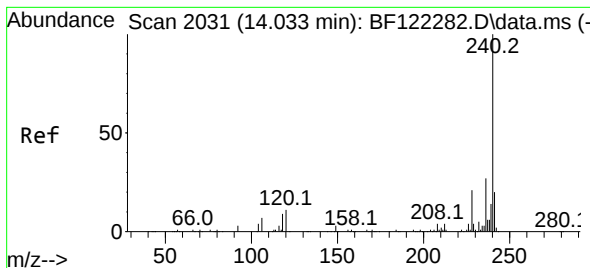
Tgt Ion:178 Resp: 102387
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 15.5 12.2 18.4



#75
Fluoranthene
Concen: 2.87 ng
RT: 12.598 min Scan# 1787
Delta R.T. -0.006 min
Lab File: BF122525.D
Acq: 1 Dec 2020 16:56

Tgt Ion:202 Resp: 130255
Ion Ratio Lower Upper
202 100
101 11.0 0.0 33.4
203 16.8 0.0 37.9

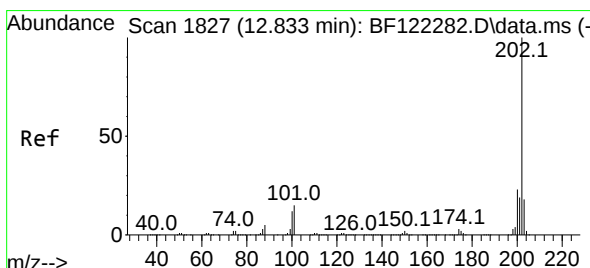
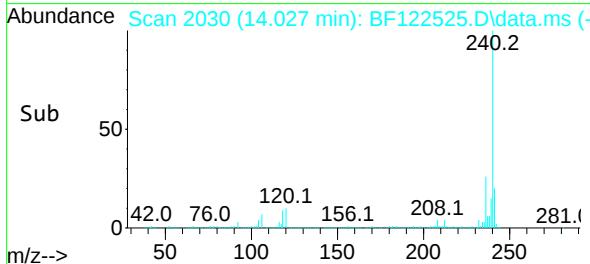
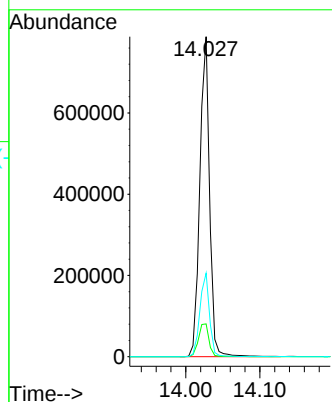
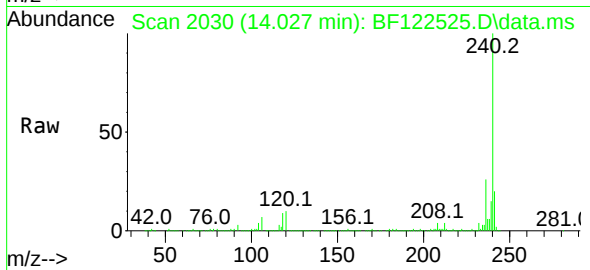




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF122525.D
Acq: 1 Dec 2020 16:56

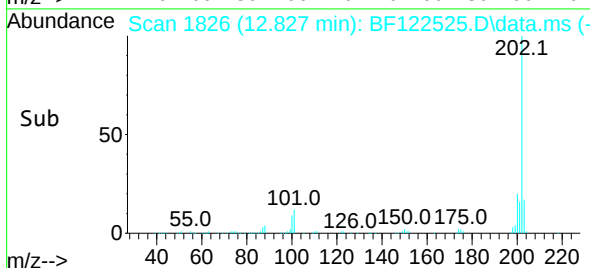
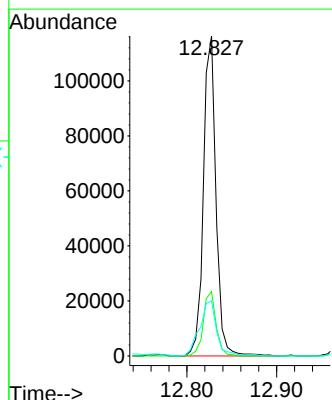
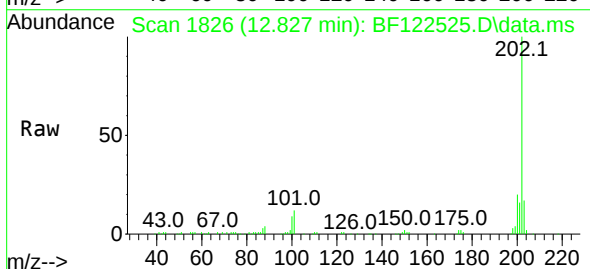
Instrument :
BNA_F
ClientSampleId :
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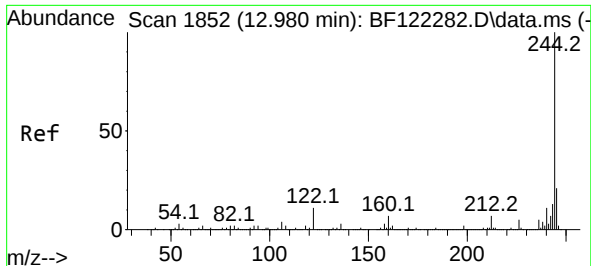
Tgt Ion:240 Resp: 718285
Ion Ratio Lower Upper
240 100
120 10.3 9.2 13.8
236 26.1 20.9 31.3



#78
Pyrene
Concen: 2.24 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.006 min
Lab File: BF122525.D
Acq: 1 Dec 2020 16:56

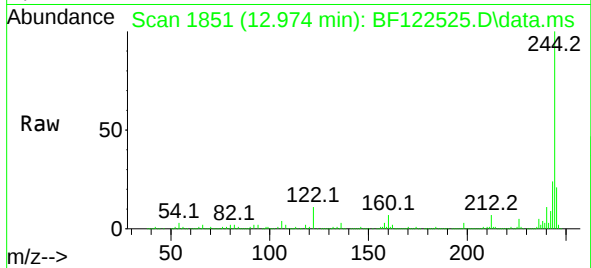
Tgt Ion:202 Resp: 113128
Ion Ratio Lower Upper
202 100
200 20.1 17.4 26.2
203 17.2 14.6 21.8



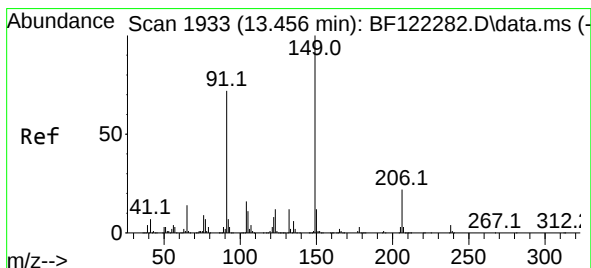
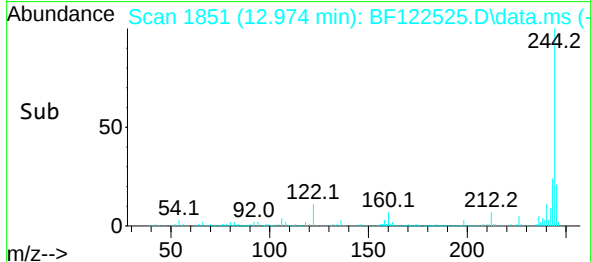
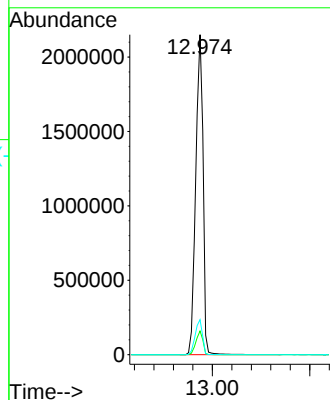


#79
 Terphenyl-d14
 Concen: 66.79 ng
 RT: 12.974 min Scan# 1851
 Delta R.T. 0.000 min
 Lab File: BF122525.D
 Acq: 1 Dec 2020 16:56

Instrument :
 BNA_F
 ClientSampleId :
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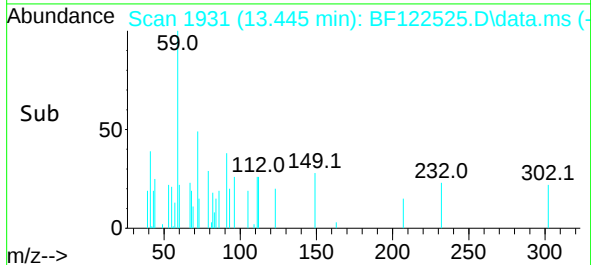
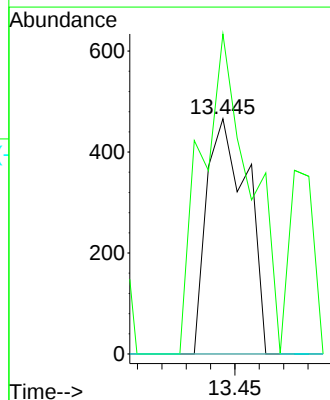
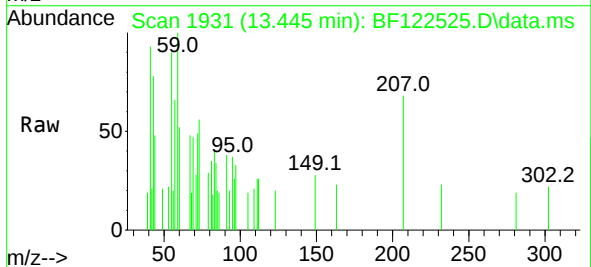


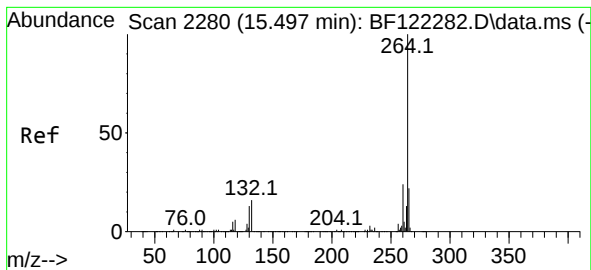
Tgt Ion:244 Resp: 2264560
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.4 8.2
 122 10.9 8.1 12.1



#80
 Butylbenzylphthalate
 Concen: 3.31 ng
 RT: 13.445 min Scan# 1931
 Delta R.T. -0.006 min
 Lab File: BF122525.D
 Acq: 1 Dec 2020 16:56

Tgt Ion:149 Resp: 542
 Ion Ratio Lower Upper
 149 100
 91 136.1 61.0 91.4#
 206 0.0 16.7 25.1#





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.498 min Scan# 2280

Delta R.T. -0.006 min

Lab File: BF122525.D

Acq: 1 Dec 2020 16:56

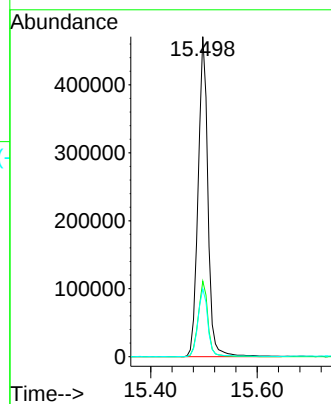
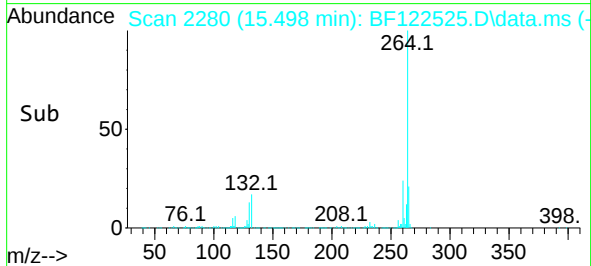
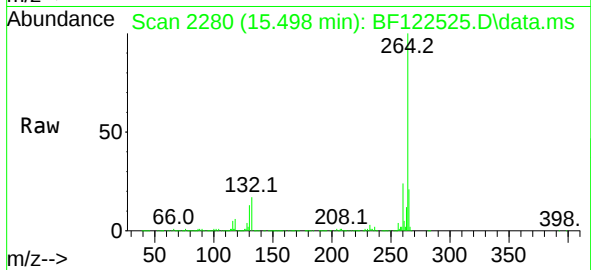
Tgt Ion:264 Resp: 602523

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

265 21.2 17.3 25.9



Instrument :

BNA_F

ClientSampleId :

ROCK-HILL-SLOPE-EMBANKMENT-