

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
 Data File : BF129455.D
 Acq On : 29 Jul 2022 22:24
 Operator : CG\JU
 Sample : N3964-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HMGP-SOIL-A

Quant Time: Jul 30 01:11:41 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 25 17:24:17 2022
 Response via : Initial Calibration

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

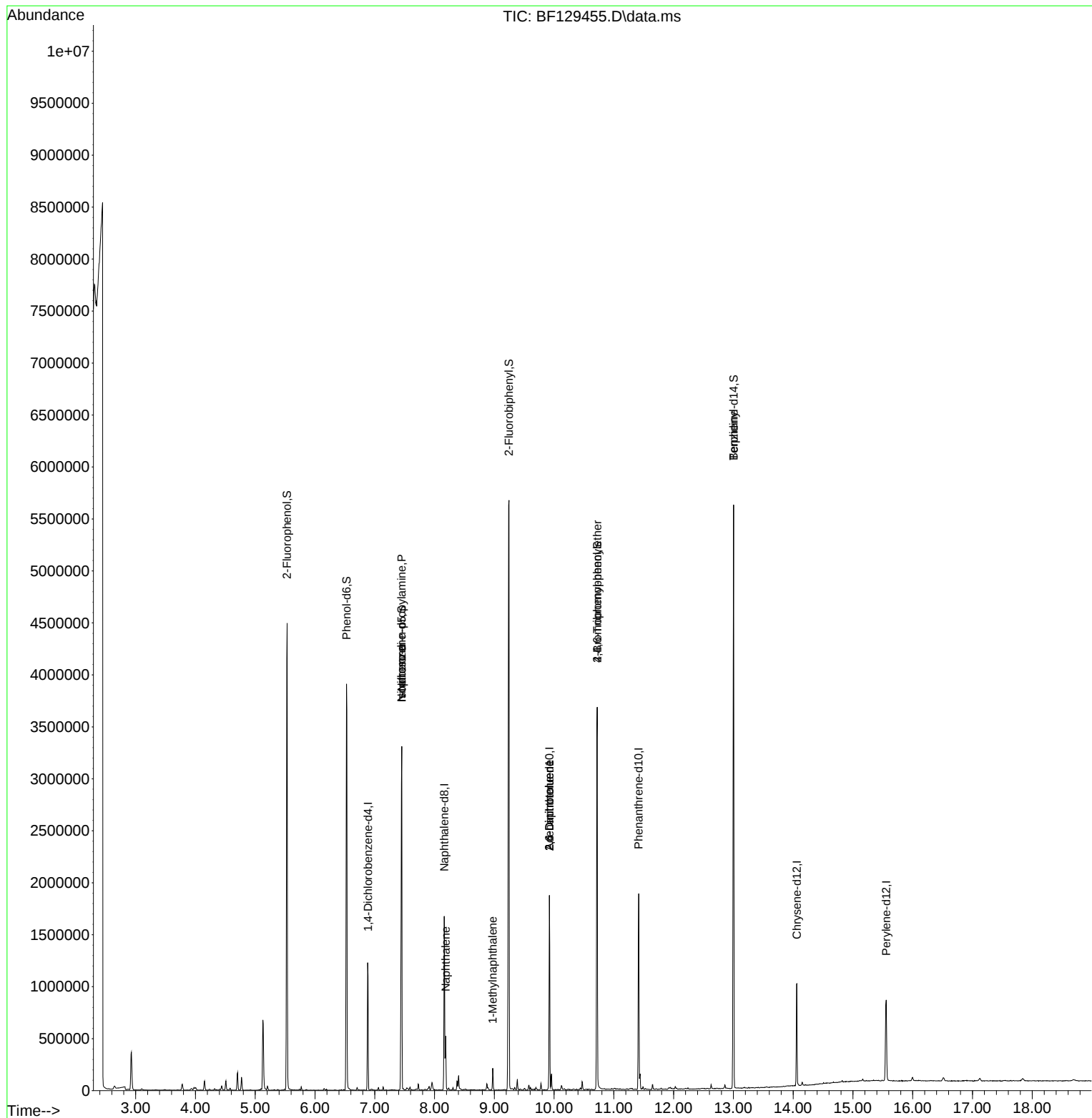
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	178454	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	708175	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	376684	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	623455	20.000	ng	0.00
76) Chrysene-d12	14.063	240	339293	20.000	ng	0.00
86) Perylene-d12	15.557	264	353126	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	1256015	114.654	ng	0.04
7) Phenol-d6	6.528	99	1465356	106.420	ng	0.01
23) Nitrobenzene-d5	7.451	82	1130095	87.112	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	448244	123.772	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1957986	80.410	ng	0.00
79) Terphenyl-d14	13.004	244	1851083	102.926	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	152339	18.275	ng	# 72
25) Isophorone	7.451	82	1130084	48.597	ng	# 65
31) Naphthalene	8.187	128	197217	5.481	ng	99
38) 1-Methylnaphthalene	8.975	142	50474	2.236	ng	100
51) 2,6-Dinitrotoluene	9.922	165	48161	8.275	ng	# 25
57) 2,4-Dinitrotoluene	9.922	165	48161	6.334	ng	# 21
67) 4-Bromophenyl-phenylether	10.722	248	27909	4.088	ng	# 1
77) Benzidine	13.004	184	25496	2.127	ng	# 93

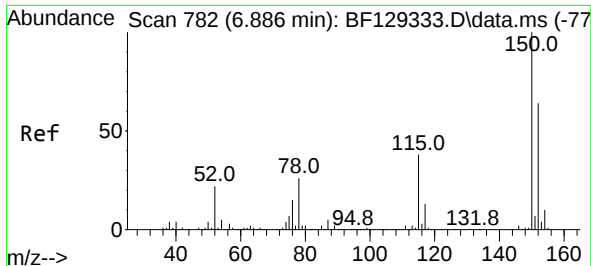
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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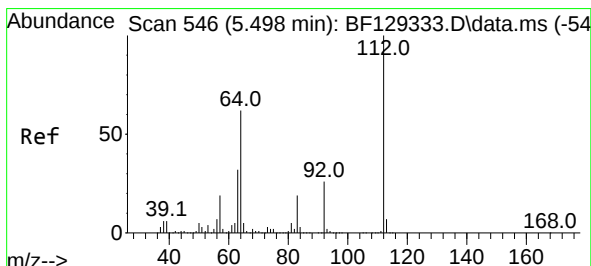
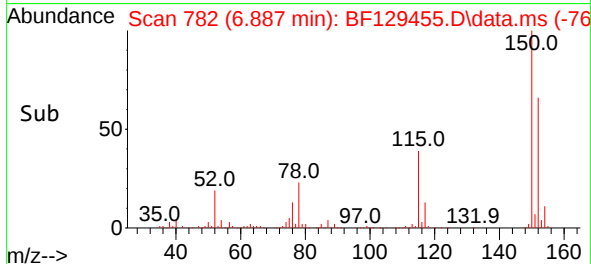
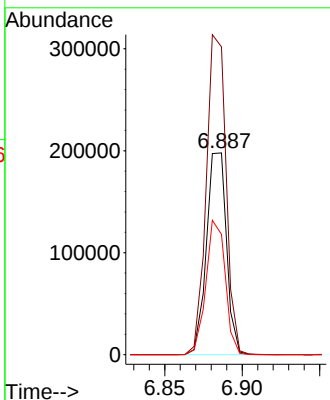
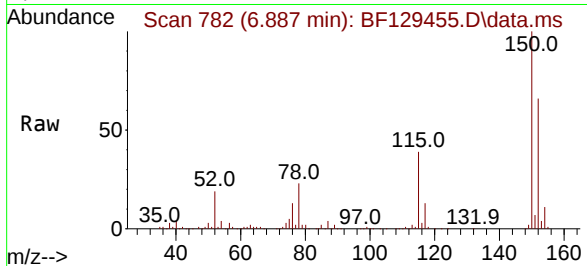




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 71
Delta R.T. 0.001 min
Lab File: BF129455.D
Acq: 29 Jul 2022 22:24

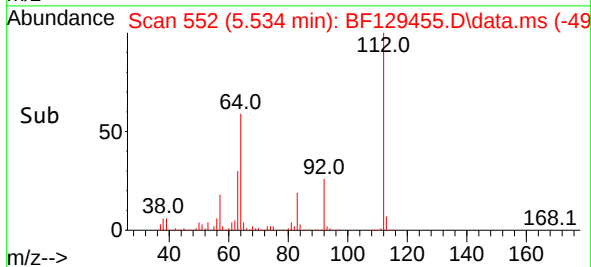
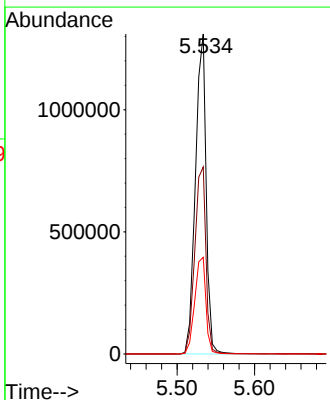
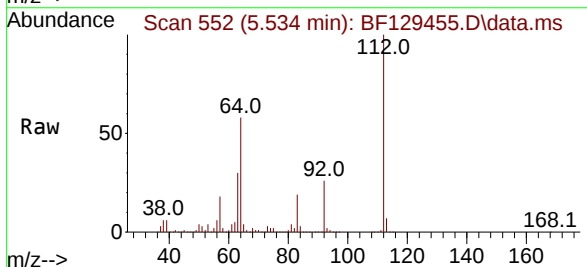
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-A

Tgt Ion:152 Resp: 178454
Ion Ratio Lower Upper
152 100
150 152.6 123.7 185.5
115 59.6 49.9 74.9



#5
2-Fluorophenol
Concen: 114.654 ng
RT: 5.534 min Scan# 552
Delta R.T. 0.035 min
Lab File: BF129455.D
Acq: 29 Jul 2022 22:24

Tgt Ion:112 Resp: 1256015
Ion Ratio Lower Upper
112 100
64 58.5 53.3 79.9
63 30.2 28.0 42.0

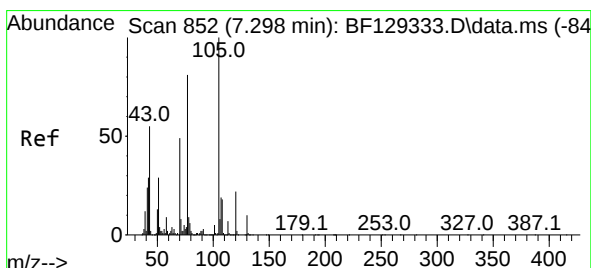
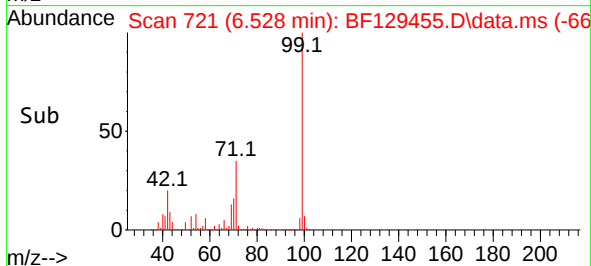
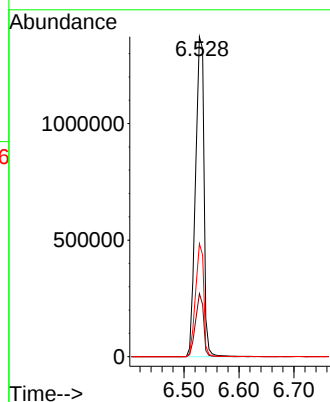
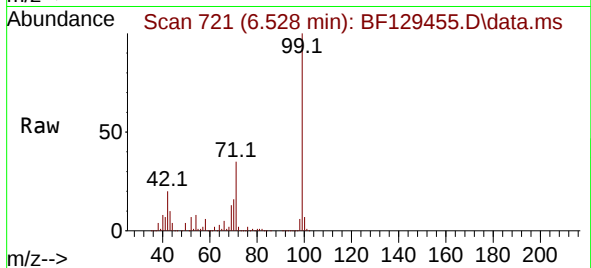




#7
Phenol-d6
Concen: 106.420 ng
RT: 6.528 min Scan# 719
Delta R.T. 0.012 min
Lab File: BF129455.D
Acq: 29 Jul 2022 22:24

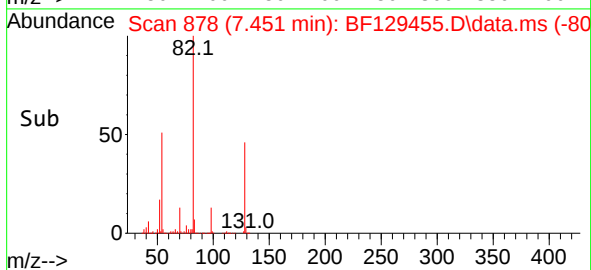
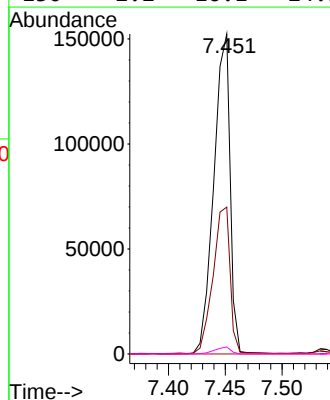
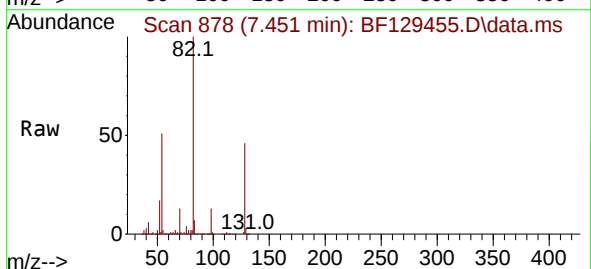
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-A

Tgt Ion: 99 Resp: 1465356
Ion Ratio Lower Upper
99 100
42 19.7 17.3 25.9
71 35.3 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 18.275 ng
RT: 7.451 min Scan# 878
Delta R.T. 0.153 min
Lab File: BF129455.D
Acq: 29 Jul 2022 22:24

Tgt Ion: 70 Resp: 152339
Ion Ratio Lower Upper
70 100
42 45.9 52.3 78.5#
101 0.0 7.5 11.3#
130 2.2 16.1 24.1#



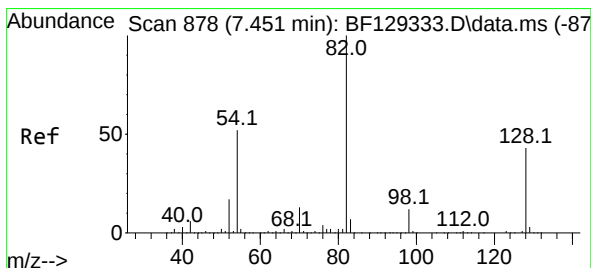
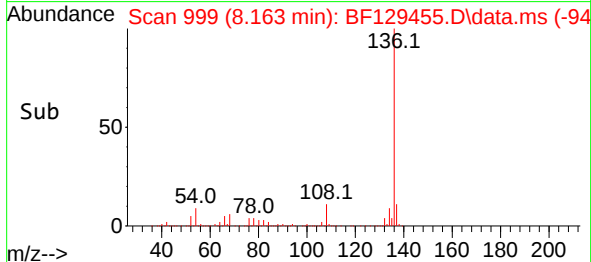
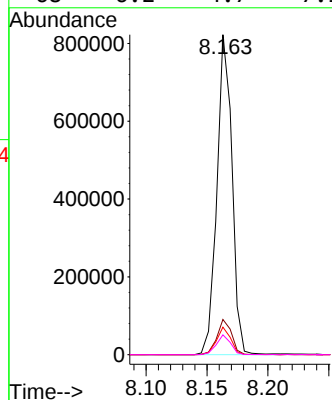
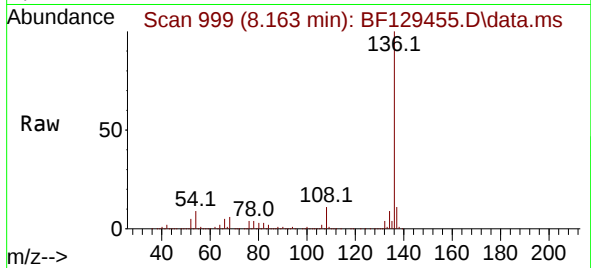


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF129455.D
Acq: 29 Jul 2022 22:24

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-A

Tgt Ion:136 Resp: 708175

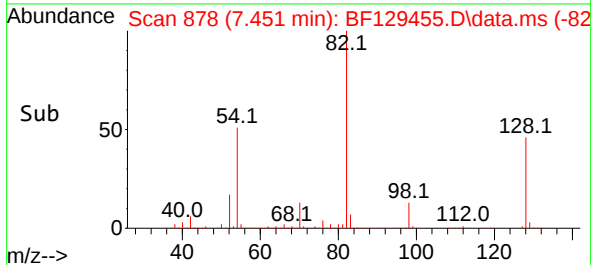
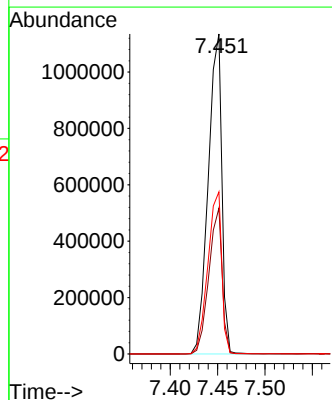
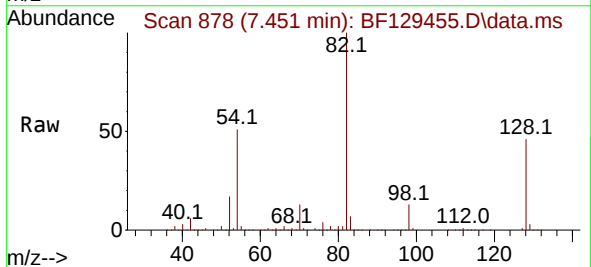
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.6	7.5	11.3
68	6.2	4.7	7.1



#23
Nitrobenzene-d5
Concen: 87.112 ng
RT: 7.451 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF129455.D
Acq: 29 Jul 2022 22:24

Tgt Ion: 82 Resp: 1130095

Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.0	51.0
54	50.7	46.9	70.3

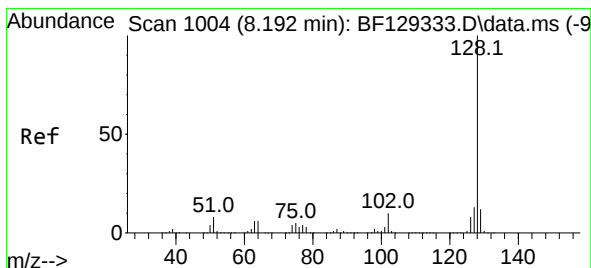
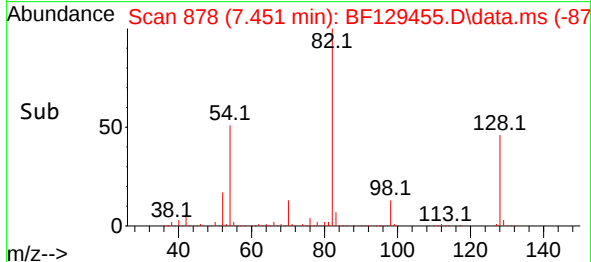
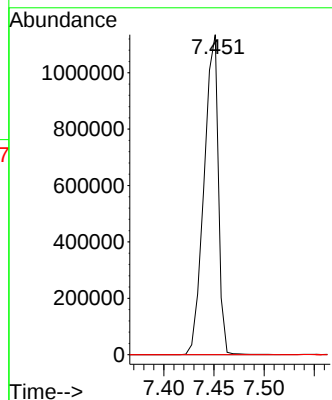
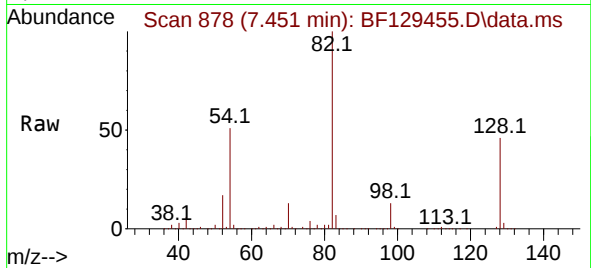




#25
Isophorone
Concen: 48.597 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF129455.D
Acq: 29 Jul 2022 22:24

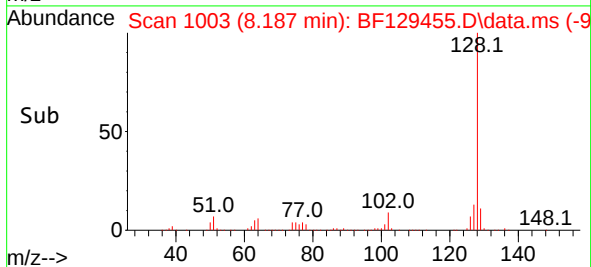
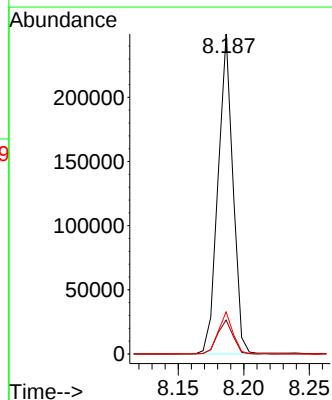
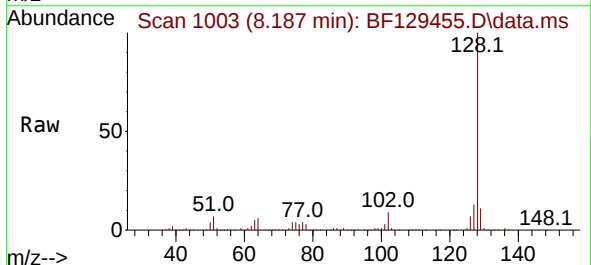
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BNA_F
ClientSampleId :
HMGP-SOIL-A

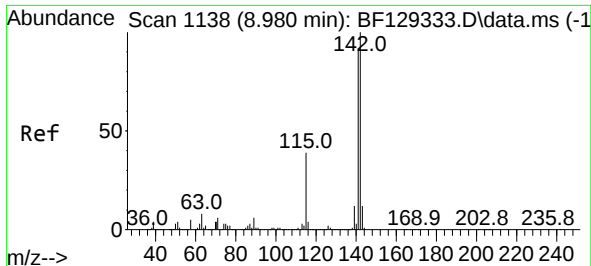
Tgt Ion: 82 Resp: 1130084
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 5.481 ng
RT: 8.187 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BF129455.D
Acq: 29 Jul 2022 22:24

Tgt Ion:128 Resp: 197217
Ion Ratio Lower Upper
128 100
129 10.6 9.2 13.8
127 13.2 10.5 15.7





#38

1-Methylnaphthalene

Concen: 2.236 ng

RT: 8.975 min Scan# 1138

Delta R.T. -0.006 min

Lab File: BF129455.D

Acq: 29 Jul 2022 22:24

Instrument :

BNA_F

ClientSampleId :

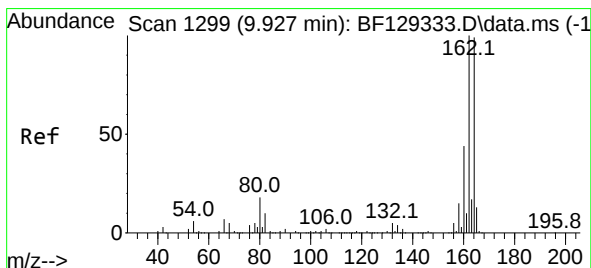
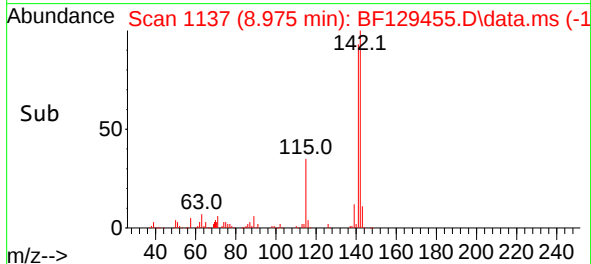
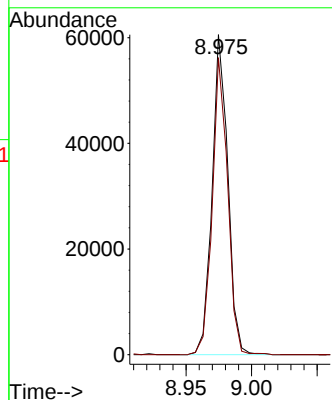
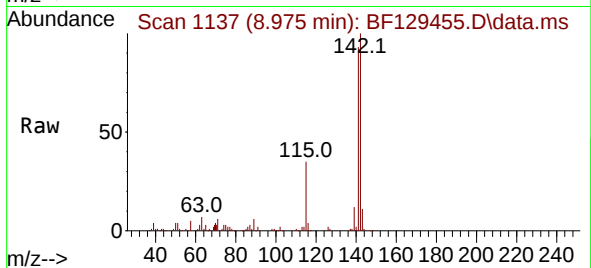
HMGP-SOIL-A

Tgt Ion:142 Resp: 50474

Ion Ratio Lower Upper

142 100

141 92.8 74.2 111.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1298

Delta R.T. -0.006 min

Lab File: BF129455.D

Acq: 29 Jul 2022 22:24

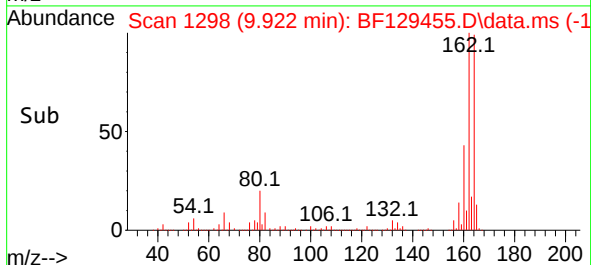
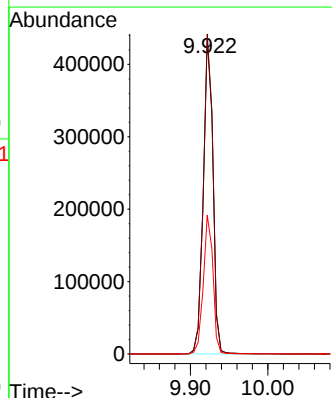
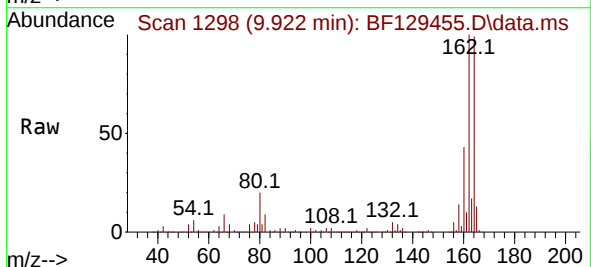
Tgt Ion:164 Resp: 376684

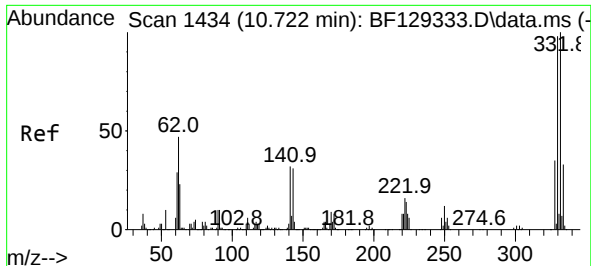
Ion Ratio Lower Upper

164 100

162 101.2 79.5 119.3

160 43.9 34.2 51.4

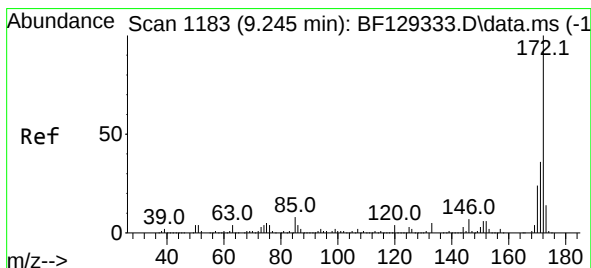
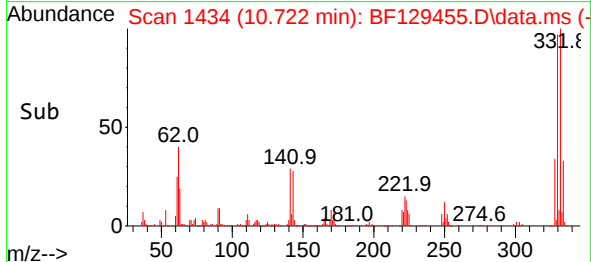
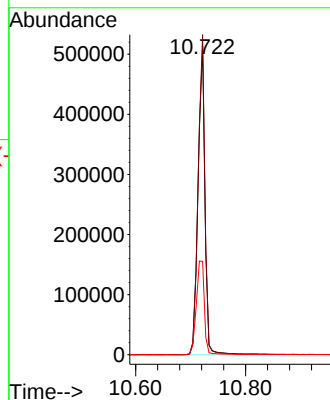
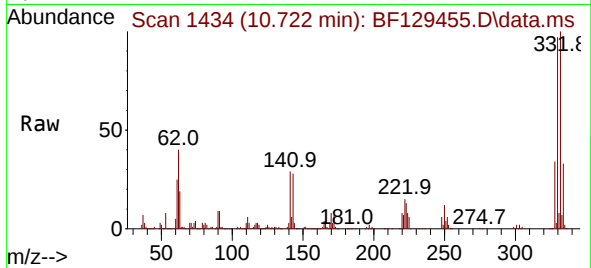




#42
2,4,6-Tribromophenol
Concen: 123.772 ng
RT: 10.722 min Scan# 1434
Delta R.T. 0.000 min
Lab File: BF129455.D
Acq: 29 Jul 2022 22:24

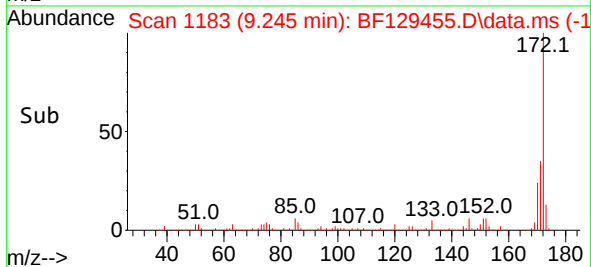
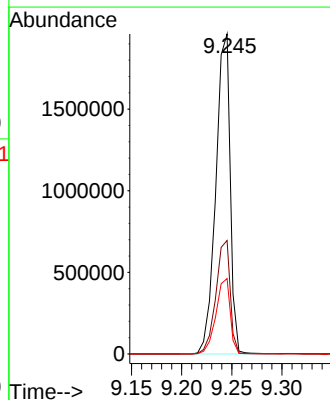
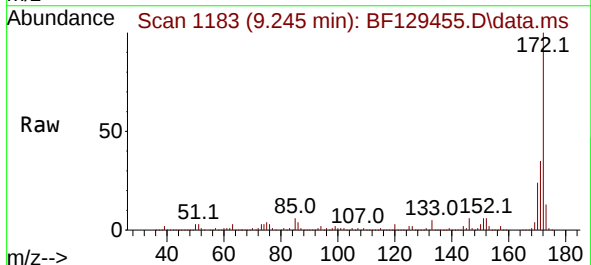
Instrument :
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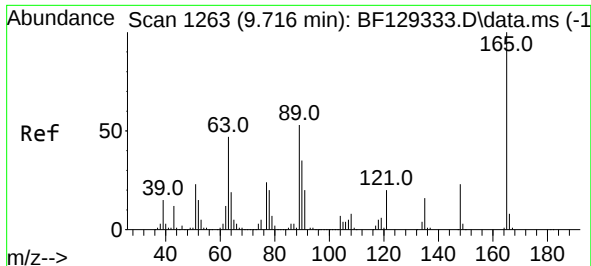
Tgt Ion:330 Resp: 448244
Ion Ratio Lower Upper
330 100
332 102.3 76.8 115.2
141 35.5 28.0 42.0



#45
2-Fluorobiphenyl
Concen: 80.410 ng
RT: 9.245 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF129455.D
Acq: 29 Jul 2022 22:24

Tgt Ion:172 Resp: 1957986
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.5 19.8 29.8

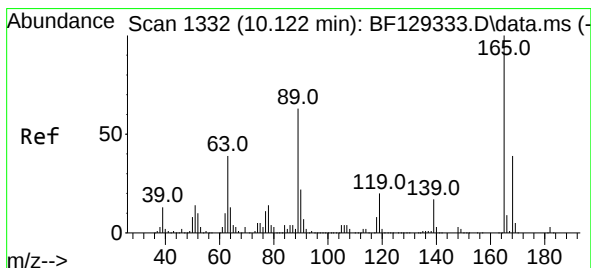
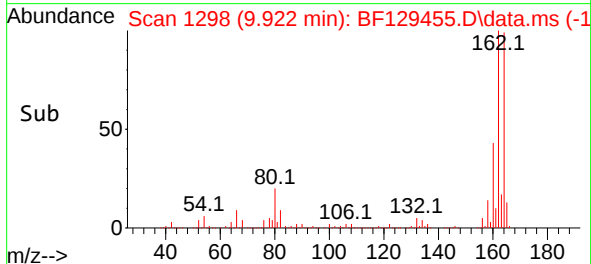
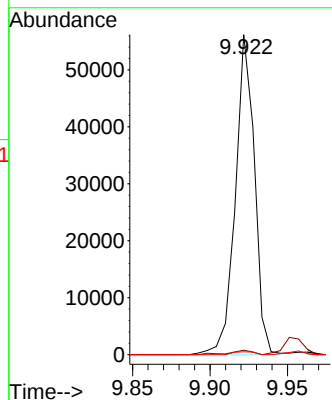
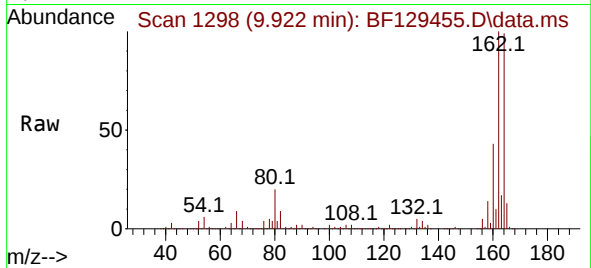




#51
2,6-Dinitrotoluene
Concen: 8.275 ng
RT: 9.922 min Scan# 1298
Delta R.T. 0.206 min
Lab File: BF129455.D
Acq: 29 Jul 2022 22:24

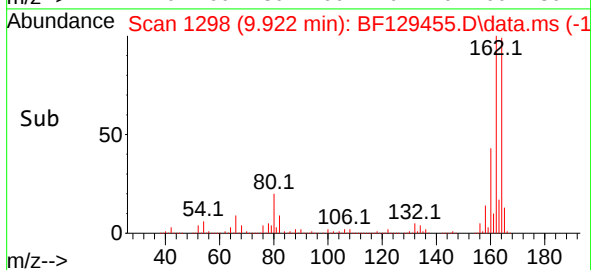
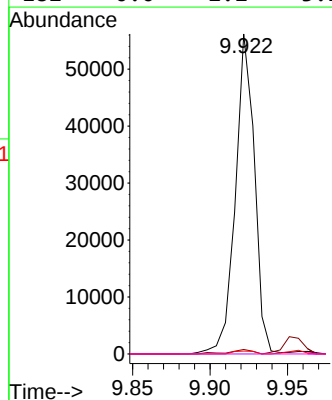
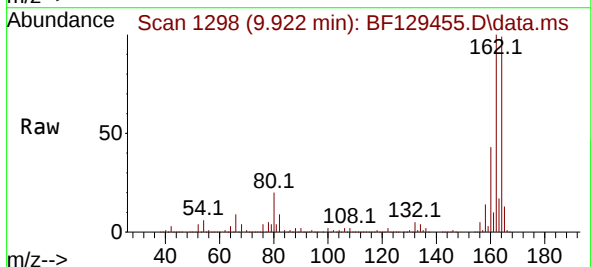
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-A

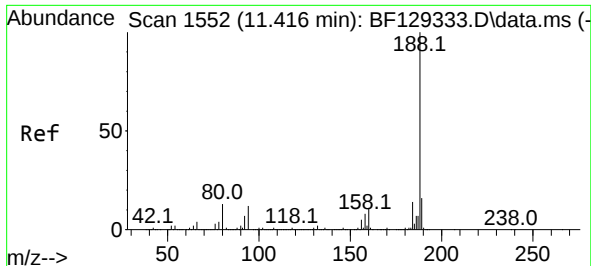
Tgt Ion:165 Resp: 48161
Ion Ratio Lower Upper
165 100
63 1.4 44.9 67.3#
89 0.9 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 6.334 ng
RT: 9.922 min Scan# 1298
Delta R.T. -0.200 min
Lab File: BF129455.D
Acq: 29 Jul 2022 22:24

Tgt Ion:165 Resp: 48161
Ion Ratio Lower Upper
165 100
63 1.4 39.8 59.6#
89 0.9 60.2 90.2#
182 0.0 2.2 3.2#

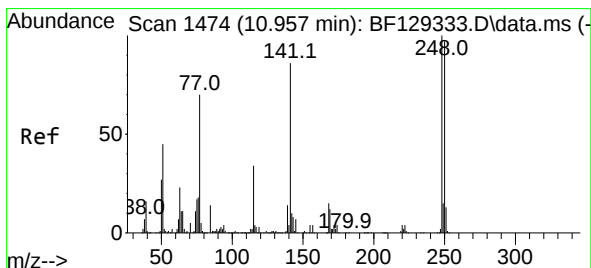
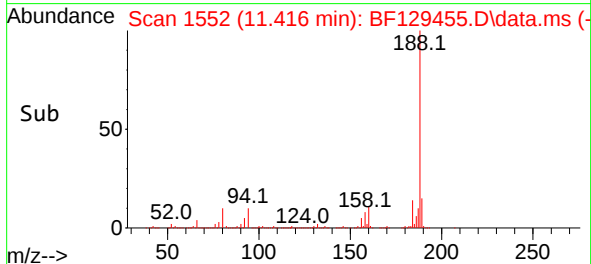
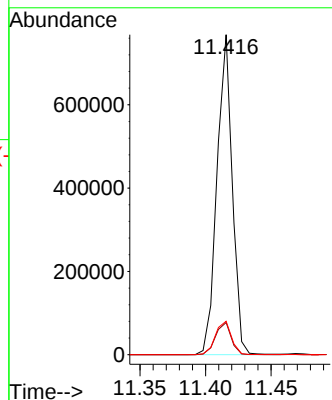
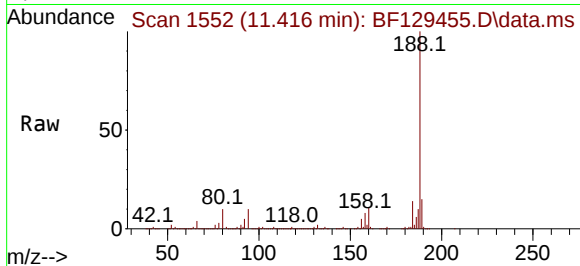




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF129455.D
Acq: 29 Jul 2022 22:24

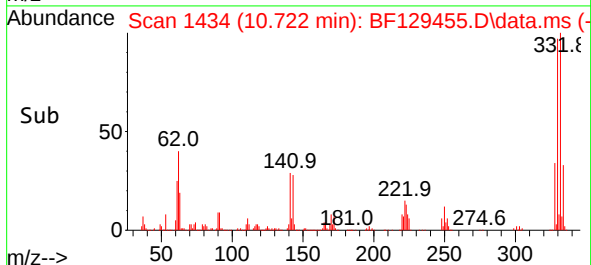
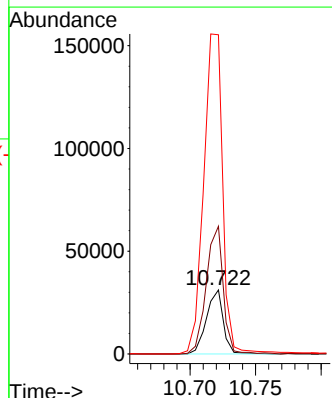
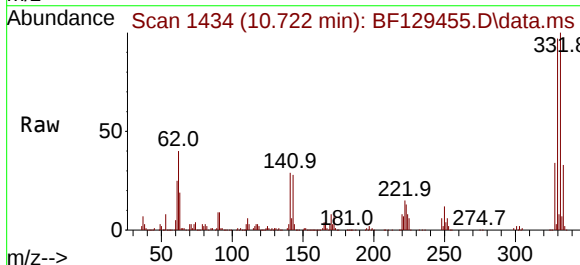
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-A

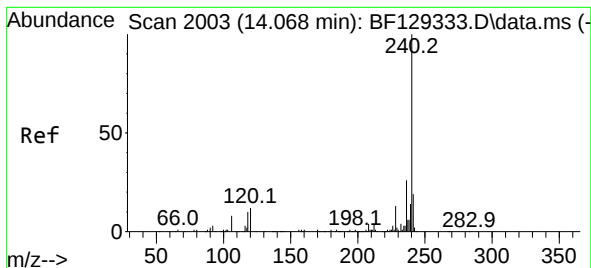
Tgt Ion:188 Resp: 623455
Ion Ratio Lower Upper
188 100
94 10.1 7.0 10.6
80 10.5 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 4.088 ng
RT: 10.722 min Scan# 1434
Delta R.T. -0.235 min
Lab File: BF129455.D
Acq: 29 Jul 2022 22:24

Tgt Ion:248 Resp: 27909
Ion Ratio Lower Upper
248 100
250 199.4 80.6 120.8#
141 498.6 58.9 88.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2003

Delta R.T. -0.006 min

Lab File: BF129455.D

Acq: 29 Jul 2022 22:24

Instrument :

BNA_F

ClientSampleId :

HMGP-SOIL-A

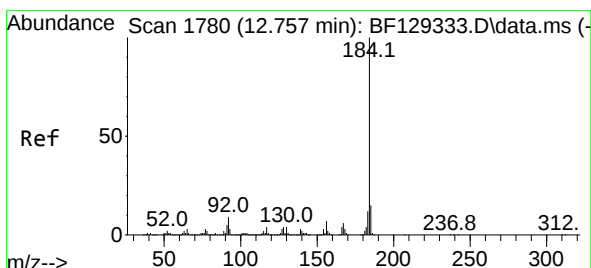
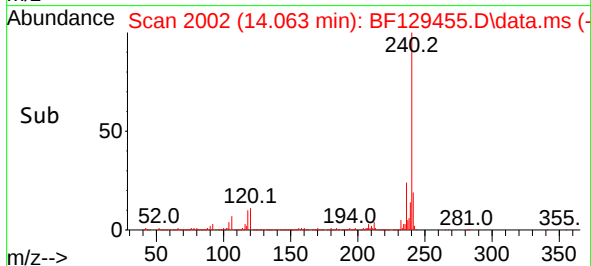
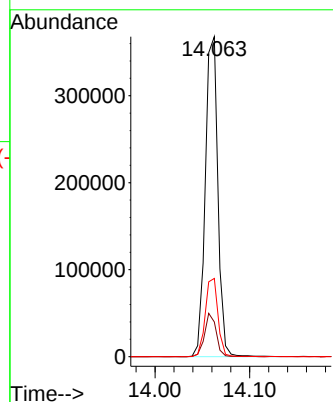
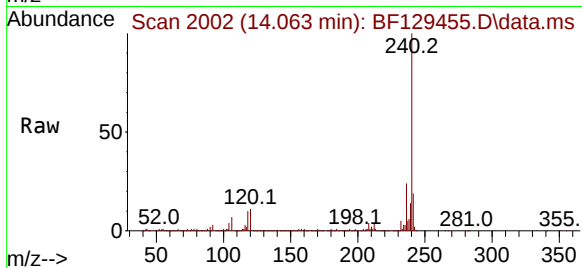
Tgt Ion:240 Resp: 339293

Ion Ratio Lower Upper

240 100

120 10.8 8.9 13.3

236 24.4 20.8 31.2



#77

Benzidine

Concen: 2.127 ng

RT: 13.004 min Scan# 1822

Delta R.T. 0.247 min

Lab File: BF129455.D

Acq: 29 Jul 2022 22:24

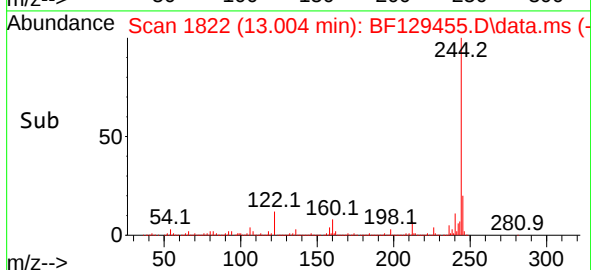
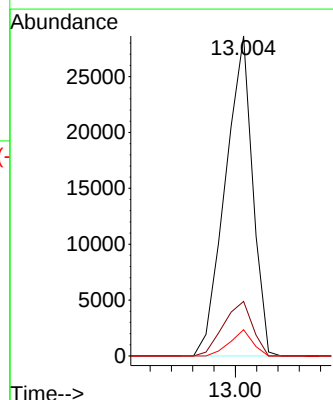
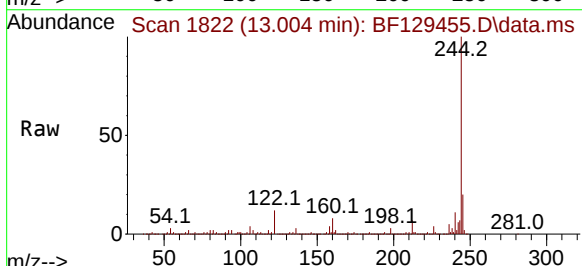
Tgt Ion:184 Resp: 25496

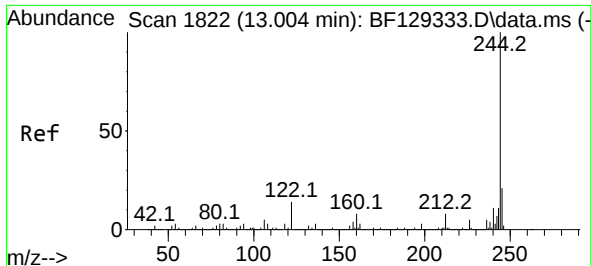
Ion Ratio Lower Upper

184 100

185 17.1 11.9 17.9

183 8.2 9.3 13.9#

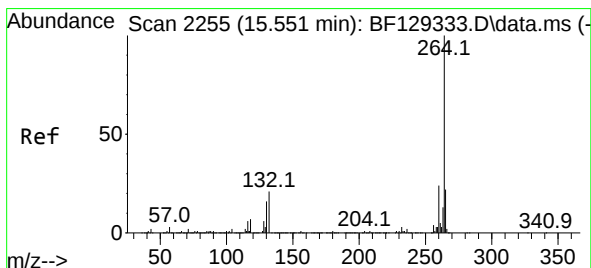
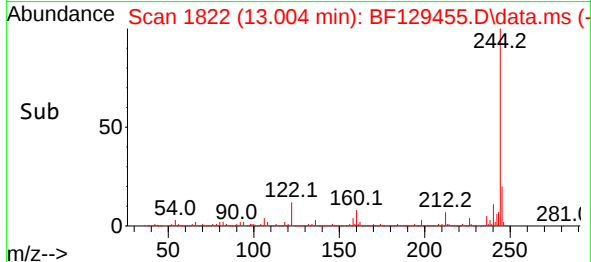
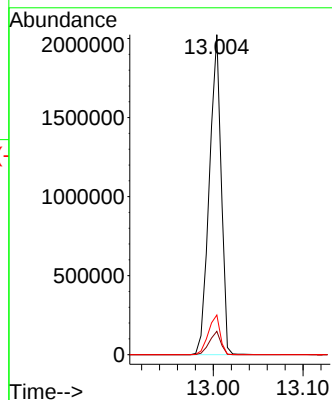
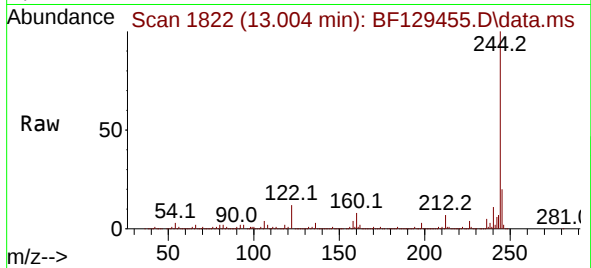




#79
 Terphenyl-d14
 Concen: 102.926 ng
 RT: 13.004 min Scan# 1822
 Delta R.T. 0.000 min
 Lab File: BF129455.D
 Acq: 29 Jul 2022 22:24

Instrument :
 BNA_F
 ClientSampleId :
 HMGP-SOIL-A

Tgt Ion:244 Resp: 1851083
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 12.4 8.8 13.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 2256
 Delta R.T. 0.006 min
 Lab File: BF129455.D
 Acq: 29 Jul 2022 22:24

Tgt Ion:264 Resp: 353126
 Ion Ratio Lower Upper
 264 100
 260 23.0 18.4 27.6
 265 21.2 17.2 25.8

