

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
 Data File : BF129456.D
 Acq On : 29 Jul 2022 22:56
 Operator : CG\JU
 Sample : N3964-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HMGP-SOIL-B

Quant Time: Jul 30 01:11:50 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)

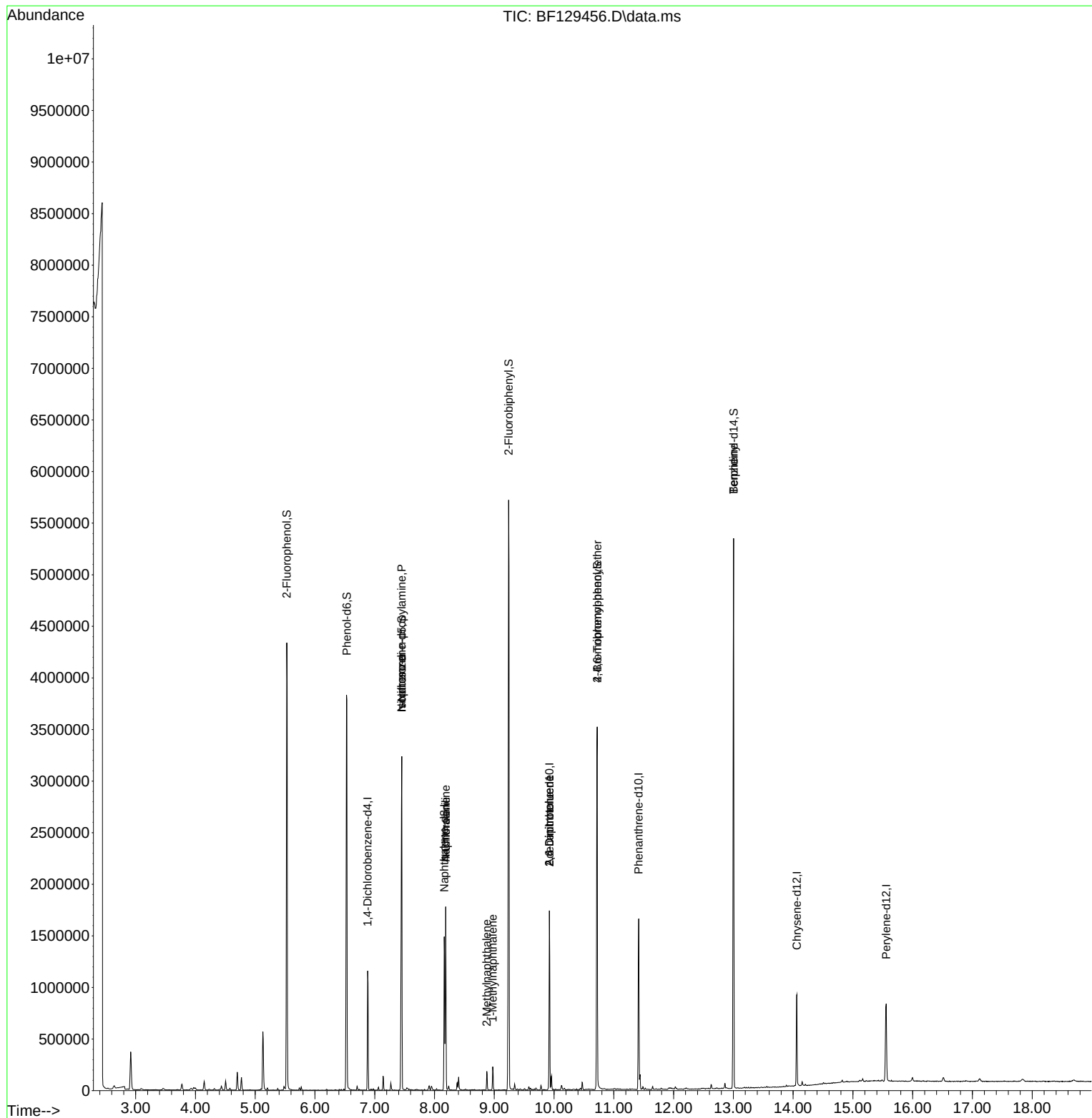
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	166338	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	652337	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	347694	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	561235	20.000	ng	0.00
76) Chrysene-d12	14.063	240	307813	20.000	ng	0.00
86) Perylene-d12	15.557	264	336139	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1244604	121.888	ng	0.03
7) Phenol-d6	6.534	99	1446161	112.676	ng	0.02
23) Nitrobenzene-d5	7.451	82	1075535	90.002	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	430992	128.931	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1867389	83.083	ng	0.00
79) Terphenyl-d14	13.004	244	1745677	106.992	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	144131	18.550	ng	# 72
25) Isophorone	7.451	82	1075526	50.210	ng	# 65
31) Naphthalene	8.187	128	670820	20.240	ng	99
33) 4-Chloroaniline	8.187	127	88342	6.492	ng	# 34
37) 2-Methylnaphthalene	8.875	142	45449	2.110	ng	100
38) 1-Methylnaphthalene	8.975	142	56387	2.712	ng	99
51) 2,6-Dinitrotoluene	9.922	165	46069	8.575	ng	# 25
57) 2,4-Dinitrotoluene	9.922	165	46069	6.564	ng	# 21
67) 4-Bromophenyl-phenylether	10.722	248	27596	4.490	ng	# 1
77) Benzidine	13.004	184	24105	2.217	ng	# 94

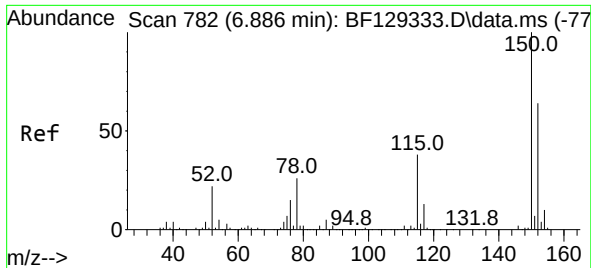
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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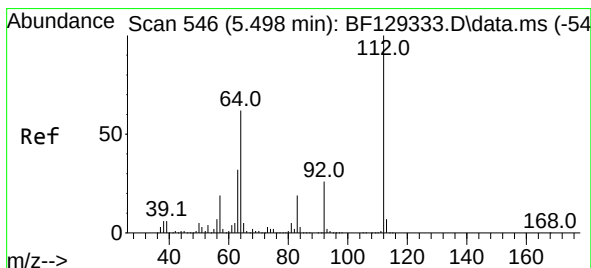
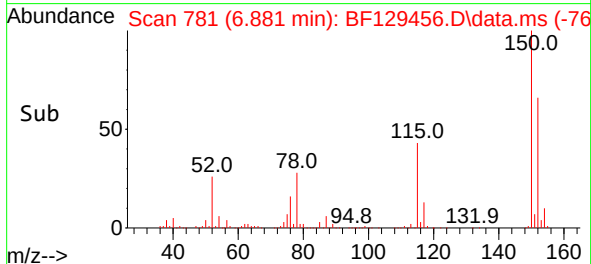
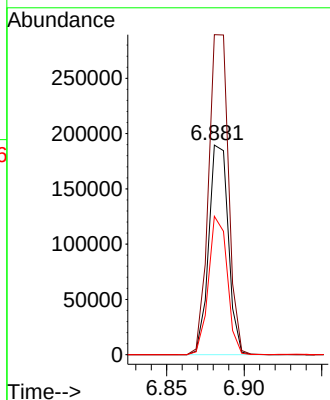
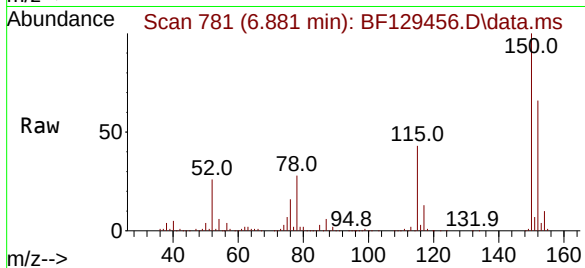




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 71
 Delta R.T. -0.005 min
 Lab File: BF129456.D
 Acq: 29 Jul 2022 22:56

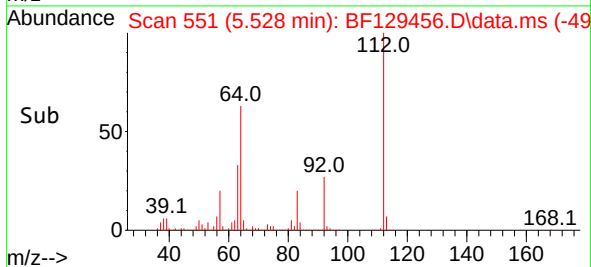
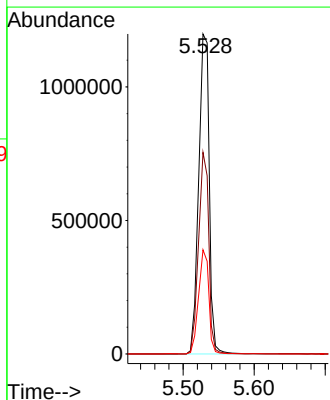
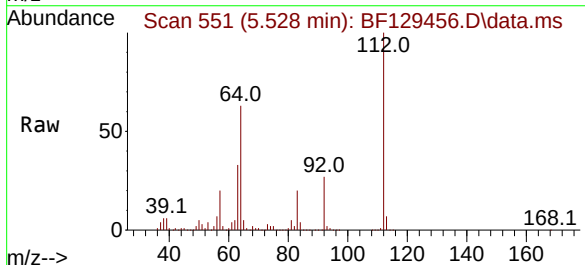
Instrument :
 BNA_F
 ClientSampleId :
 HMGP-SOIL-B

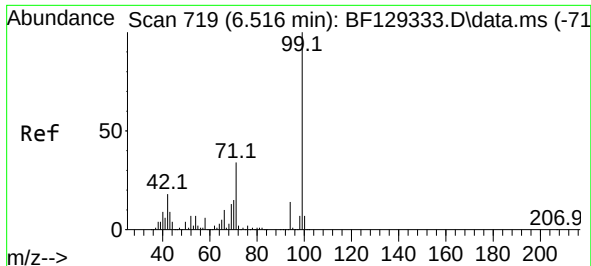
Tgt Ion:152 Resp: 166338
 Ion Ratio Lower Upper
 152 100
 150 152.6 123.7 185.5
 115 66.0 49.9 74.9



#5
 2-Fluorophenol
 Concen: 121.888 ng
 RT: 5.528 min Scan# 551
 Delta R.T. 0.030 min
 Lab File: BF129456.D
 Acq: 29 Jul 2022 22:56

Tgt Ion:112 Resp: 1244604
 Ion Ratio Lower Upper
 112 100
 64 63.0 53.3 79.9
 63 32.6 28.0 42.0

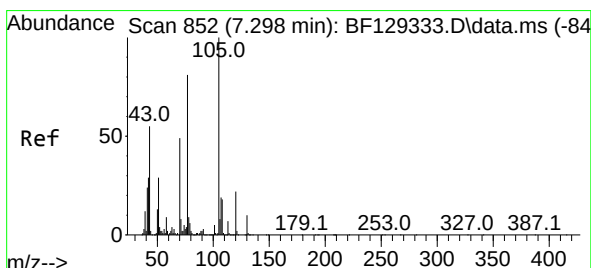
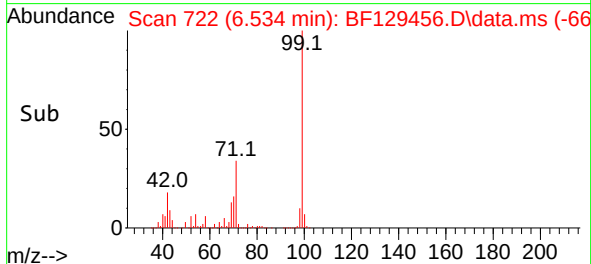
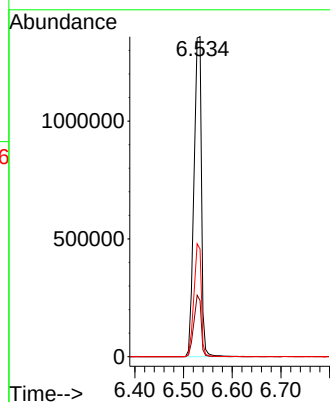
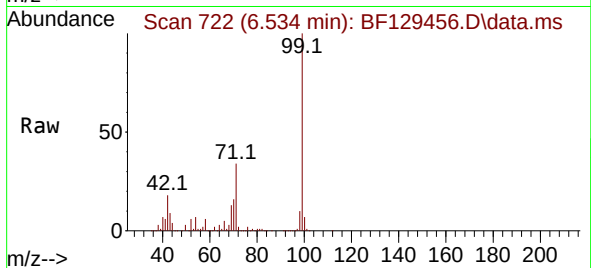




#7
Phenol-d6
Concen: 112.676 ng
RT: 6.534 min Scan# 719
Delta R.T. 0.018 min
Lab File: BF129456.D
Acq: 29 Jul 2022 22:56

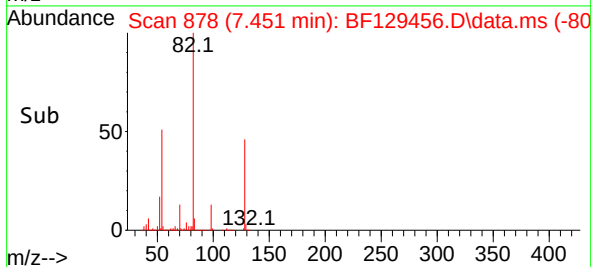
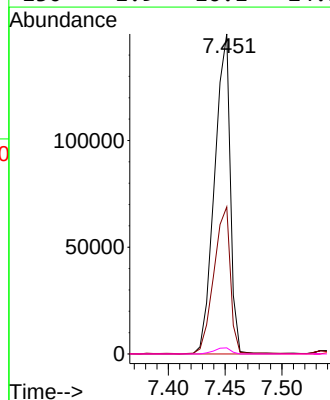
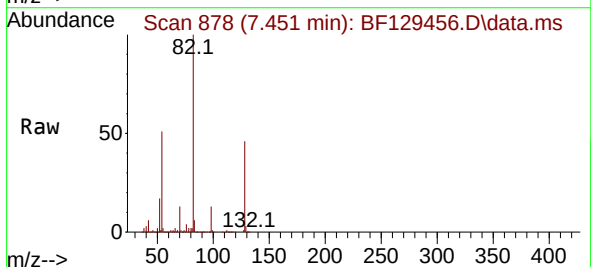
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

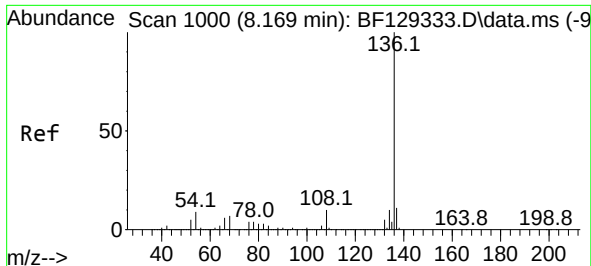
Tgt Ion: 99 Resp: 1446161
Ion Ratio Lower Upper
99 100
42 17.5 17.3 25.9
71 33.7 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 18.550 ng
RT: 7.451 min Scan# 878
Delta R.T. 0.153 min
Lab File: BF129456.D
Acq: 29 Jul 2022 22:56

Tgt Ion: 70 Resp: 144131
Ion Ratio Lower Upper
70 100
42 46.0 52.3 78.5#
101 0.0 7.5 11.3#
130 1.9 16.1 24.1#



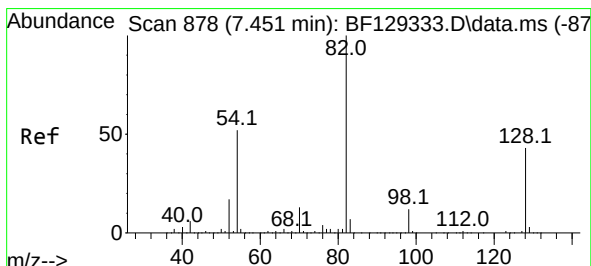
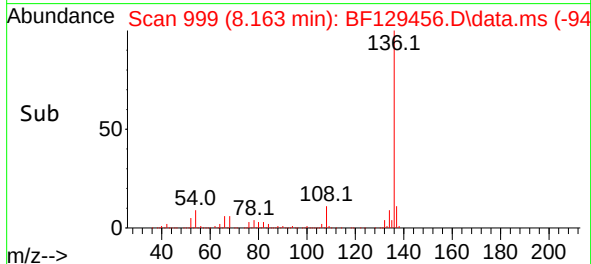
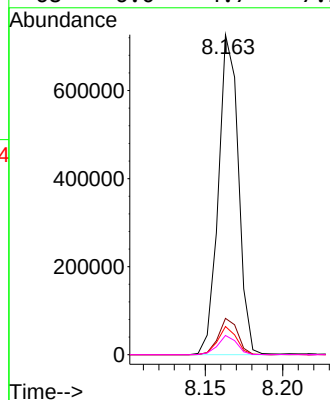
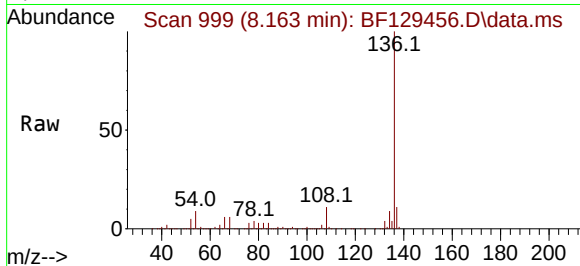


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF129456.D
Acq: 29 Jul 2022 22:56

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

Tgt Ion:136 Resp: 652337

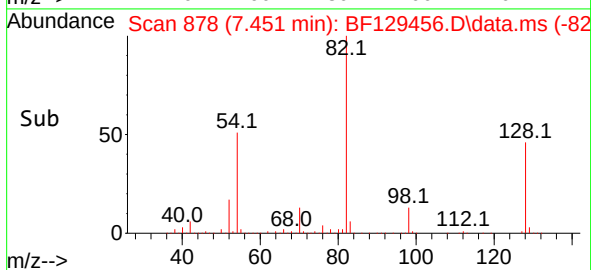
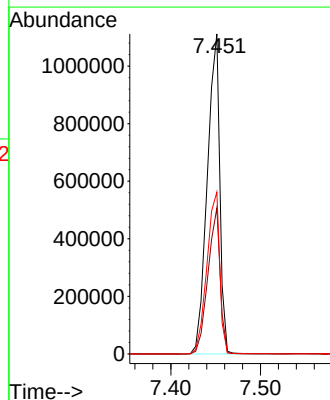
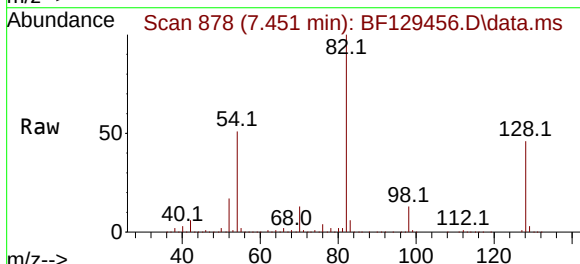
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	8.8	7.5	11.3
68	6.0	4.7	7.1

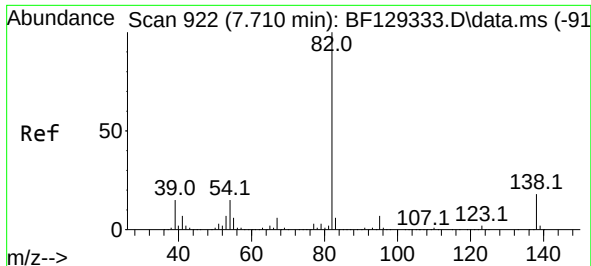


#23
Nitrobenzene-d5
Concen: 90.002 ng
RT: 7.451 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF129456.D
Acq: 29 Jul 2022 22:56

Tgt Ion: 82 Resp: 1075535

Ion	Ratio	Lower	Upper
82	100		
128	45.6	34.0	51.0
54	50.6	46.9	70.3

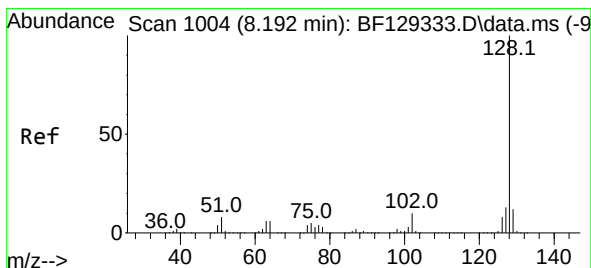
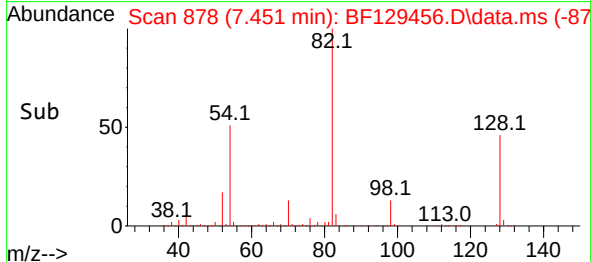
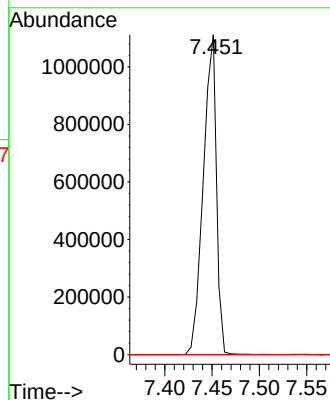
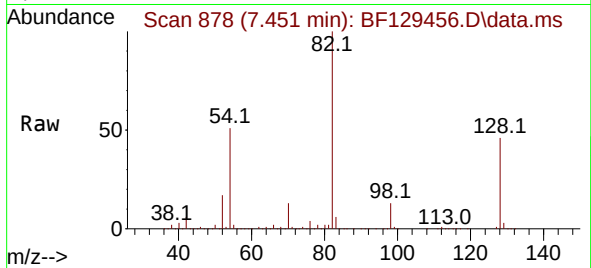




#25
Isophorone
Concen: 50.210 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF129456.D
Acq: 29 Jul 2022 22:56

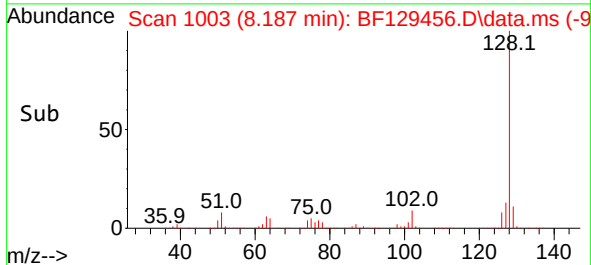
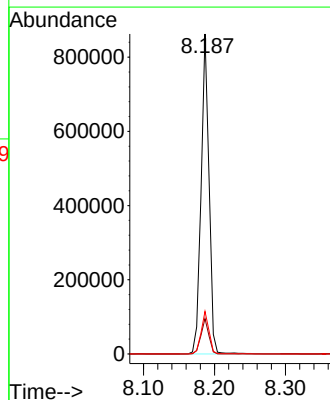
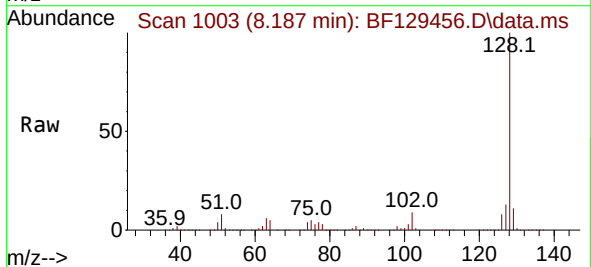
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

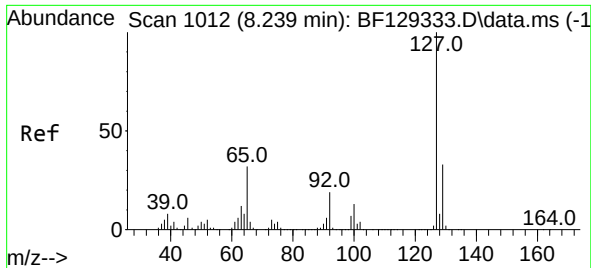
Tgt Ion: 82 Resp: 1075526
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 20.240 ng
RT: 8.187 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BF129456.D
Acq: 29 Jul 2022 22:56

Tgt Ion: 128 Resp: 670820
Ion Ratio Lower Upper
128 100
129 11.1 9.2 13.8
127 13.3 10.5 15.7

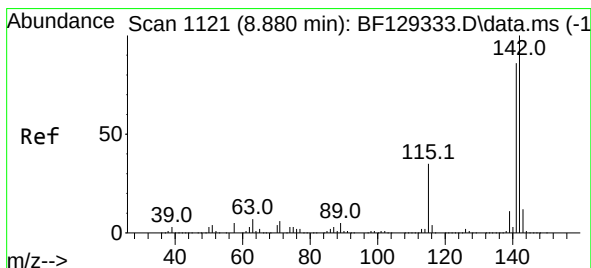
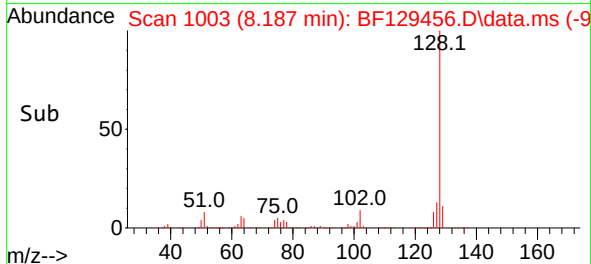
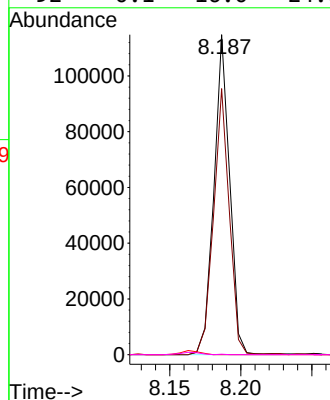
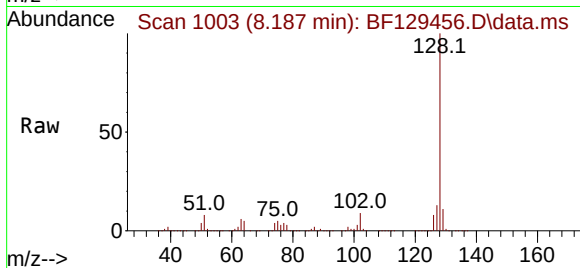




#33
4-Chloroaniline
Concen: 6.492 ng
RT: 8.187 min Scan# 1012
Delta R.T. -0.053 min
Lab File: BF129456.D
Acq: 29 Jul 2022 22:56

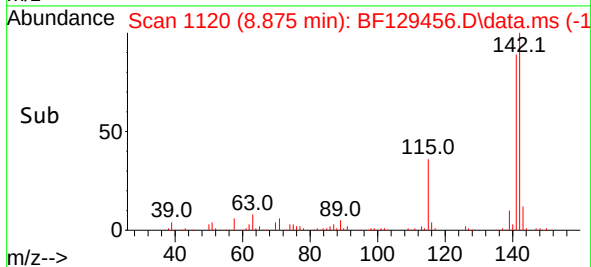
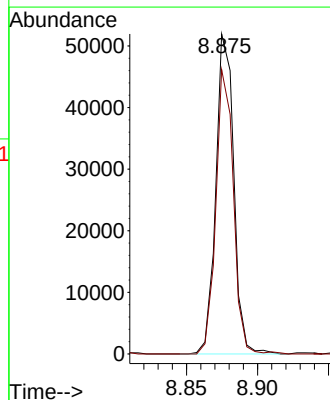
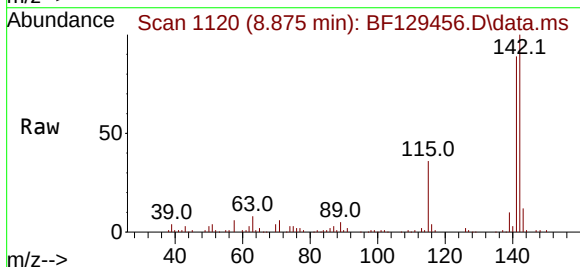
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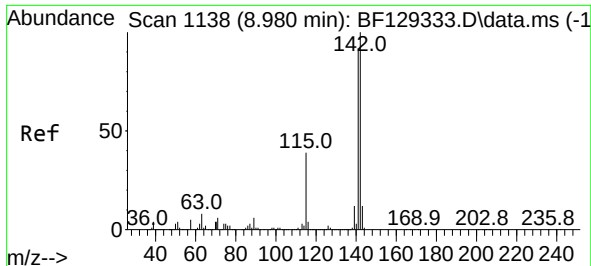
Tgt Ion:127	Resp:	88342
Ion Ratio	Lower	Upper
127	100	
129	83.1	26.4 39.6#
65	0.0	26.4 39.6#
92	0.1	16.0 24.0#



#37
2-Methylnaphthalene
Concen: 2.110 ng
RT: 8.875 min Scan# 1120
Delta R.T. -0.006 min
Lab File: BF129456.D
Acq: 29 Jul 2022 22:56

Tgt Ion:142	Resp:	45449
Ion Ratio	Lower	Upper
142	100	
141	88.9	71.0 106.4

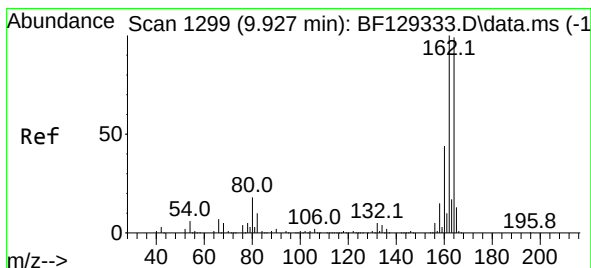
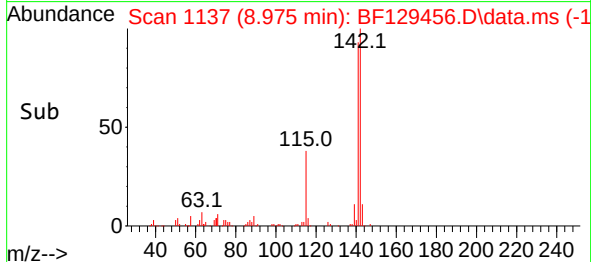
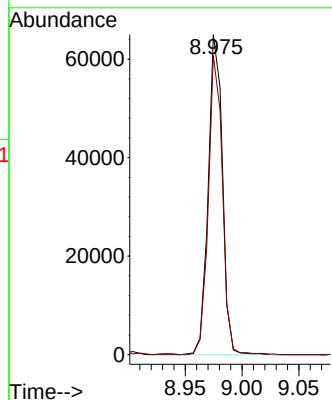
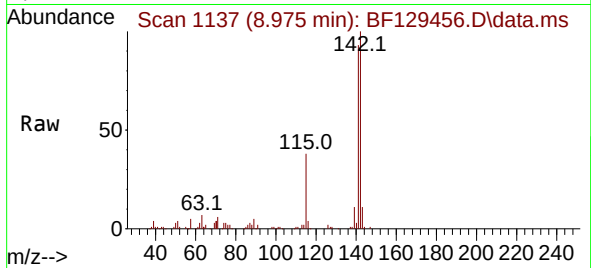




#38
1-Methylnaphthalene
Concen: 2.712 ng
RT: 8.975 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BF129456.D
Acq: 29 Jul 2022 22:56

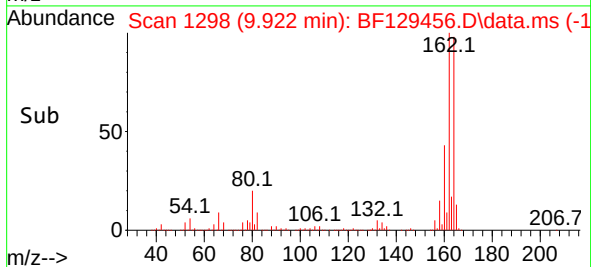
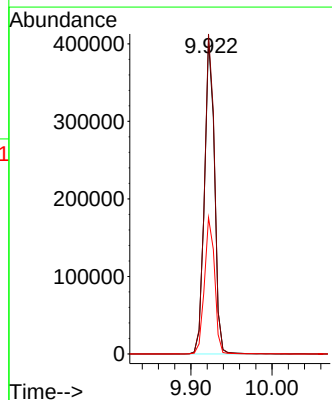
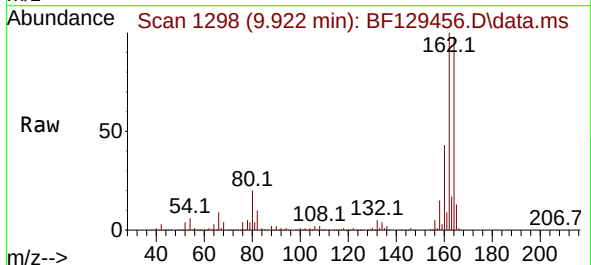
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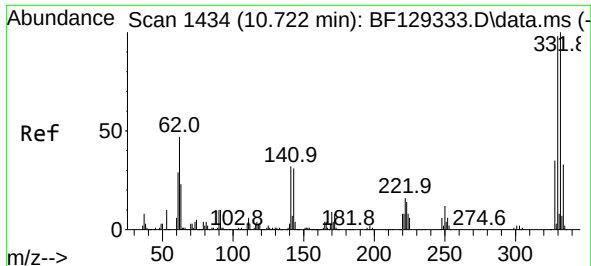
Tgt Ion:142 Resp: 56387
Ion Ratio Lower Upper
142 100
141 93.5 74.2 111.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1298
Delta R.T. -0.006 min
Lab File: BF129456.D
Acq: 29 Jul 2022 22:56

Tgt Ion:164 Resp: 347694
Ion Ratio Lower Upper
164 100
162 101.9 79.5 119.3
160 43.4 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 128.931 ng

RT: 10.722 min Scan# 1434

Delta R.T. 0.000 min

Lab File: BF129456.D

Acq: 29 Jul 2022 22:56

Instrument :

BNA_F

ClientSampleId :

HMGP-SOIL-B

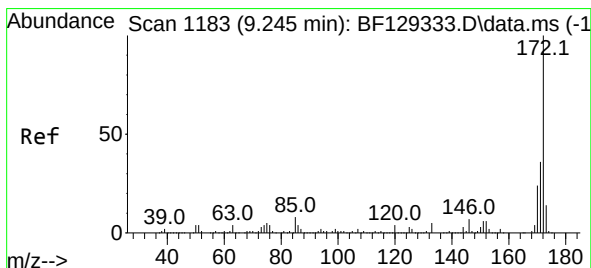
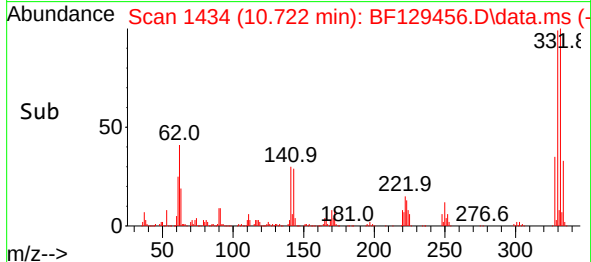
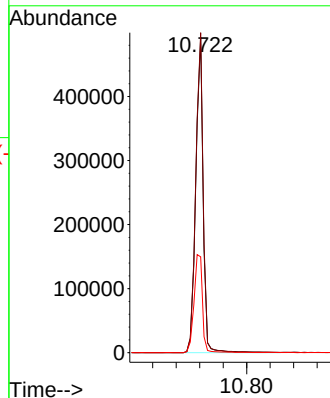
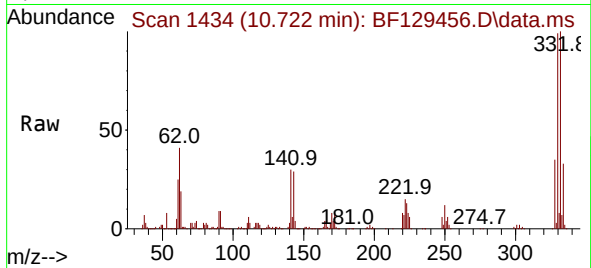
Tgt Ion:330 Resp: 430992

Ion Ratio Lower Upper

330 100

332 102.2 76.8 115.2

141 35.5 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 83.083 ng

RT: 9.239 min Scan# 1182

Delta R.T. -0.006 min

Lab File: BF129456.D

Acq: 29 Jul 2022 22:56

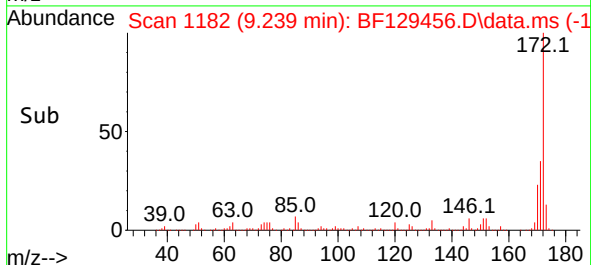
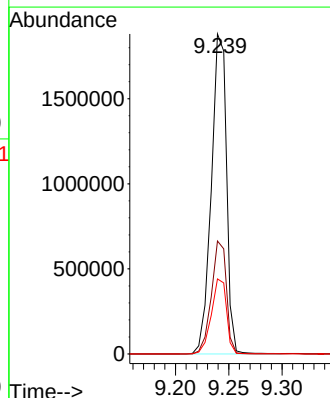
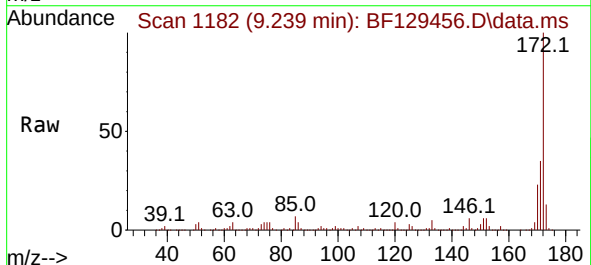
Tgt Ion:172 Resp: 1867389

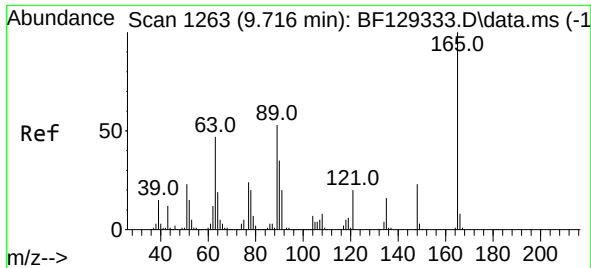
Ion Ratio Lower Upper

172 100

171 35.3 28.8 43.2

170 23.4 19.8 29.8

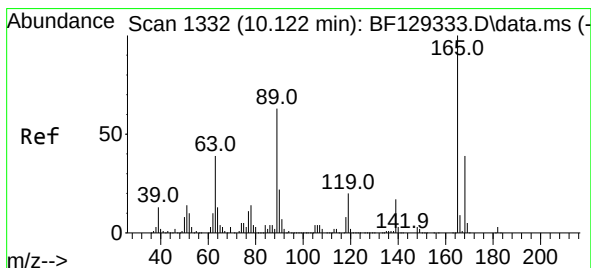
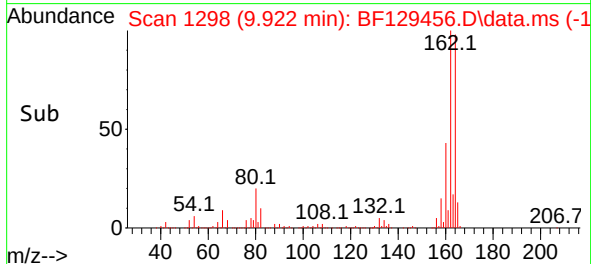
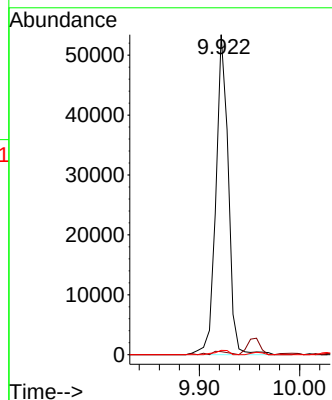
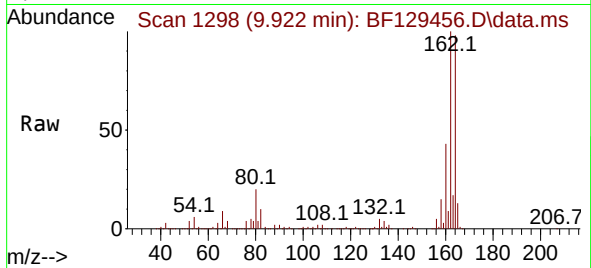




#51
2,6-Dinitrotoluene
Concen: 8.575 ng
RT: 9.922 min Scan# 1298
Delta R.T. 0.206 min
Lab File: BF129456.D
Acq: 29 Jul 2022 22:56

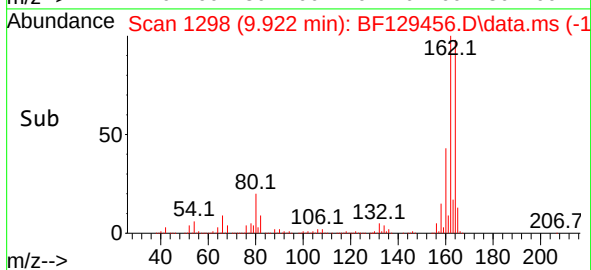
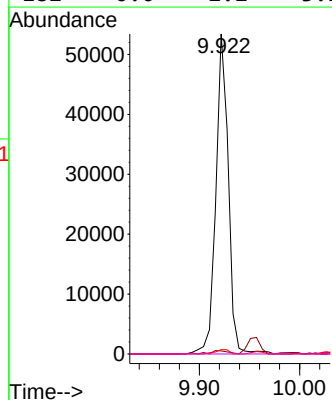
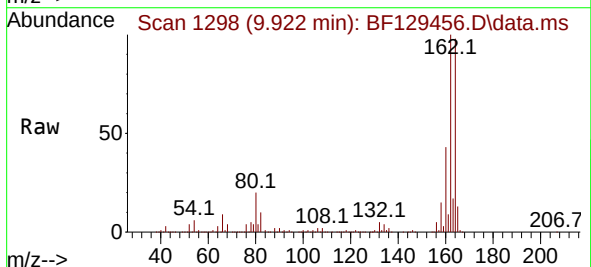
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

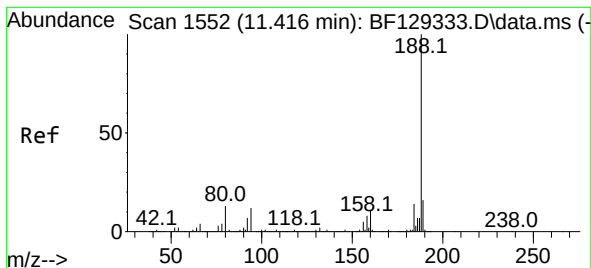
Tgt Ion:165 Resp: 46069
Ion Ratio Lower Upper
165 100
63 1.0 44.9 67.3#
89 1.4 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 6.564 ng
RT: 9.922 min Scan# 1298
Delta R.T. -0.200 min
Lab File: BF129456.D
Acq: 29 Jul 2022 22:56

Tgt Ion:165 Resp: 46069
Ion Ratio Lower Upper
165 100
63 1.0 39.8 59.6#
89 1.4 60.2 90.2#
182 0.0 2.2 3.2#

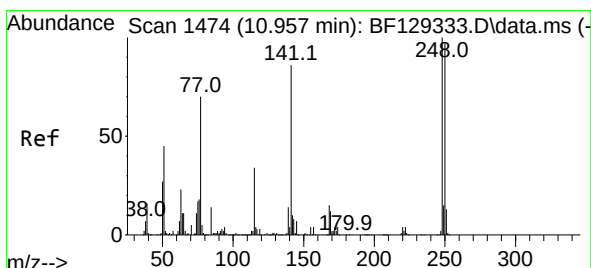
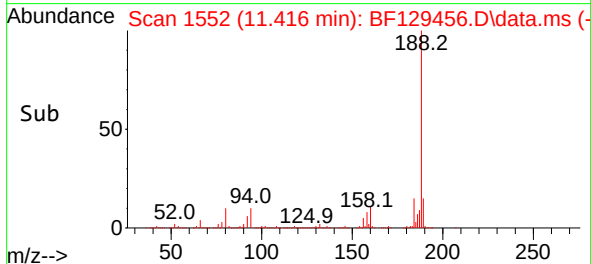
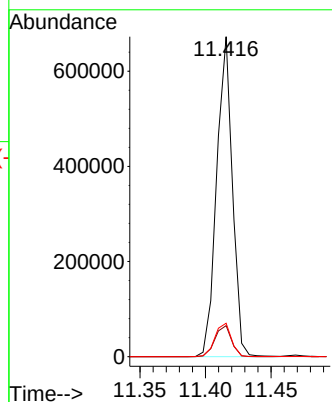
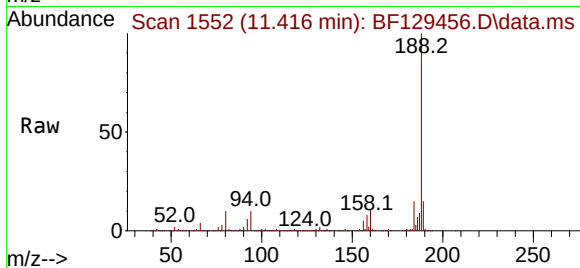




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF129456.D
Acq: 29 Jul 2022 22:56

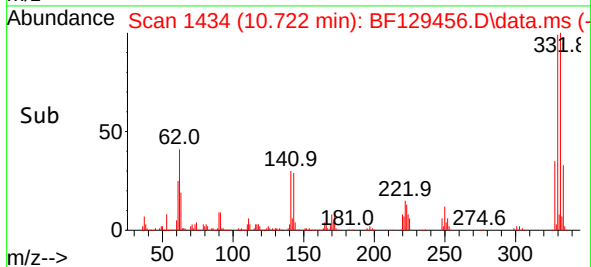
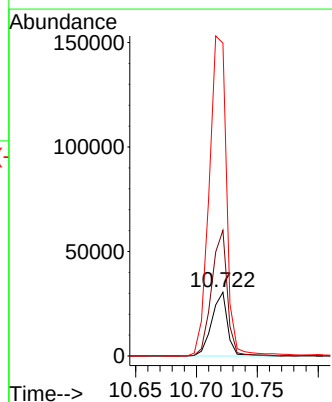
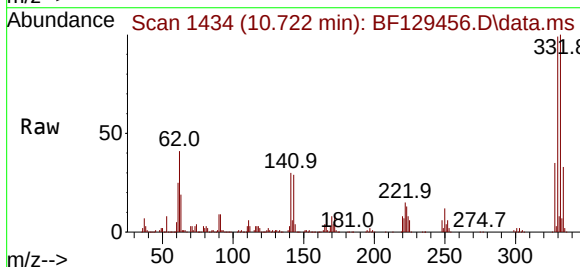
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

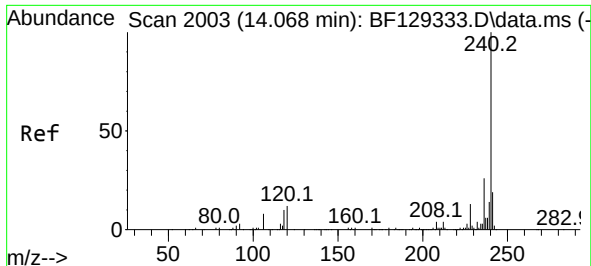
Tgt Ion:188 Resp: 561235
Ion Ratio Lower Upper
188 100
94 9.7 7.0 10.6
80 10.5 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 4.490 ng
RT: 10.722 min Scan# 1434
Delta R.T. -0.235 min
Lab File: BF129456.D
Acq: 29 Jul 2022 22:56

Tgt Ion:248 Resp: 27596
Ion Ratio Lower Upper
248 100
250 197.5 80.6 120.8#
141 491.5 58.9 88.3#

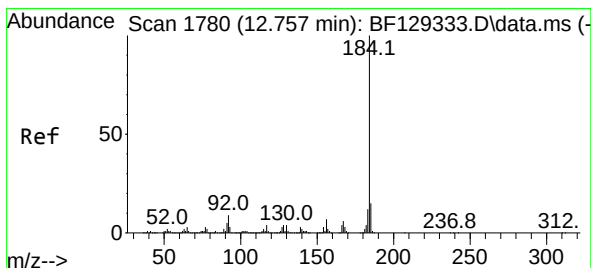
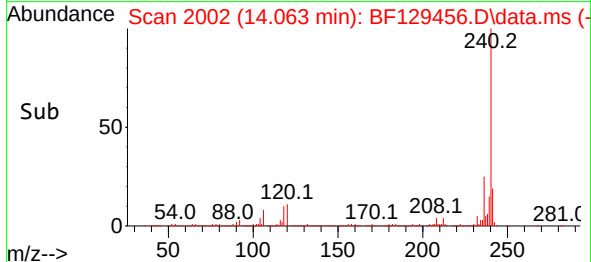
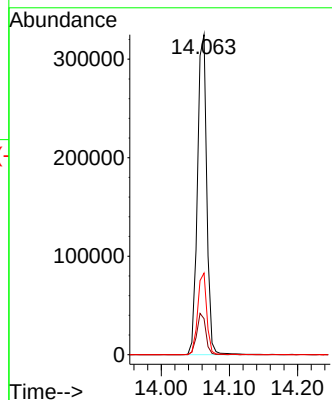
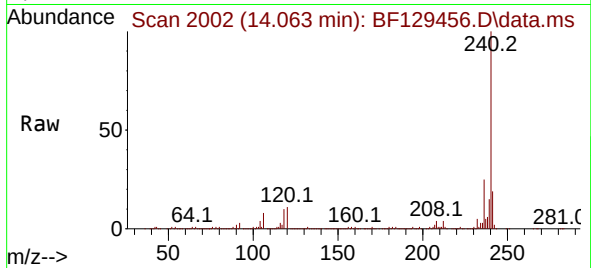




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF129456.D
Acq: 29 Jul 2022 22:56

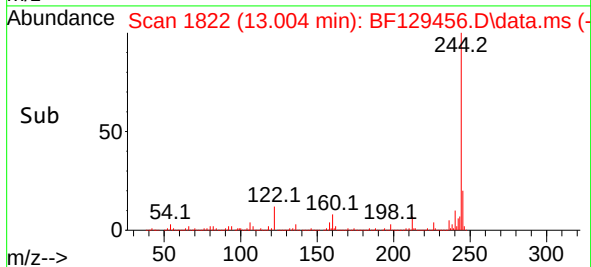
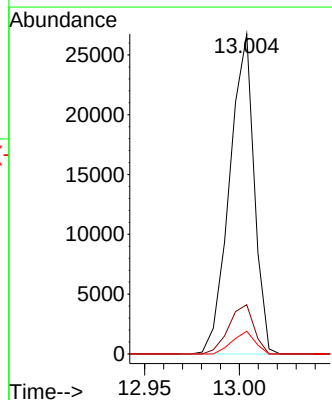
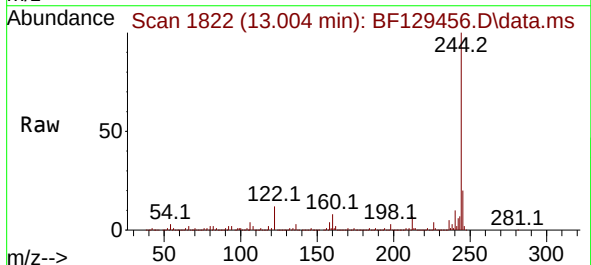
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

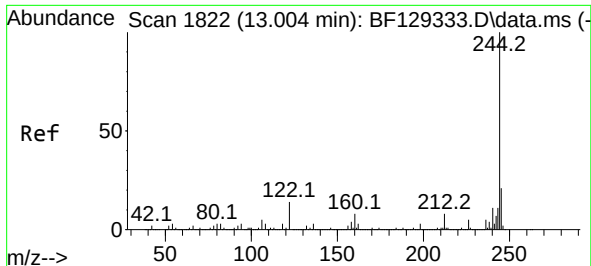
Tgt Ion:240 Resp: 307813
Ion Ratio Lower Upper
240 100
120 11.2 8.9 13.3
236 25.5 20.8 31.2



#77
Benzidine
Concen: 2.217 ng
RT: 13.004 min Scan# 1822
Delta R.T. 0.247 min
Lab File: BF129456.D
Acq: 29 Jul 2022 22:56

Tgt Ion:184 Resp: 24105
Ion Ratio Lower Upper
184 100
185 15.4 11.9 17.9
183 7.1 9.3 13.9#

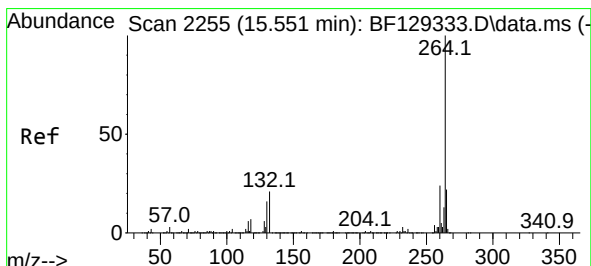
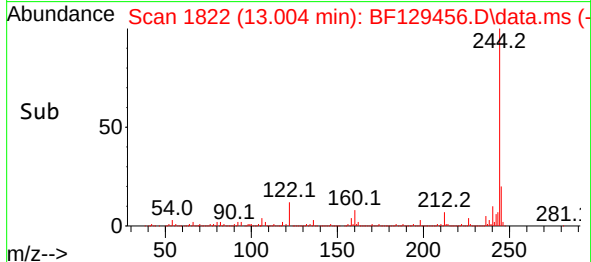
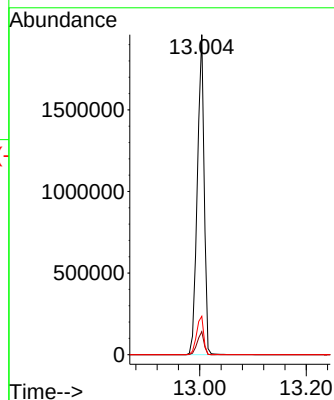
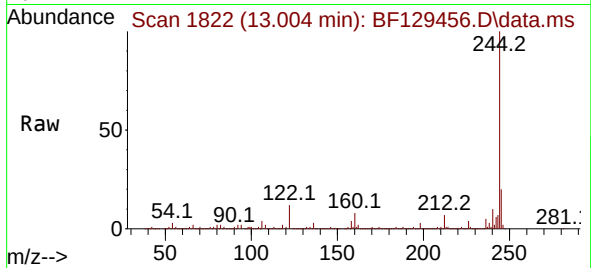




#79
 Terphenyl-d14
 Concen: 106.992 ng
 RT: 13.004 min Scan# 1822
 Delta R.T. 0.000 min
 Lab File: BF129456.D
 Acq: 29 Jul 2022 22:56

Instrument :
 BNA_F
 ClientSampleId :
 HMGP-SOIL-B

Tgt Ion:244 Resp: 1745677
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.1 9.1
 122 12.0 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: BF129456.D
 Acq: 29 Jul 2022 22:56

Tgt Ion:264 Resp: 336139
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.4 27.6
 265 21.3 17.2 25.8

