

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
 Data File : BF129457.D
 Acq On : 29 Jul 2022 23:29
 Operator : CG\JU
 Sample : N3964-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HMGP-SOIL-C

Quant Time: Jul 30 01:11:57 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)

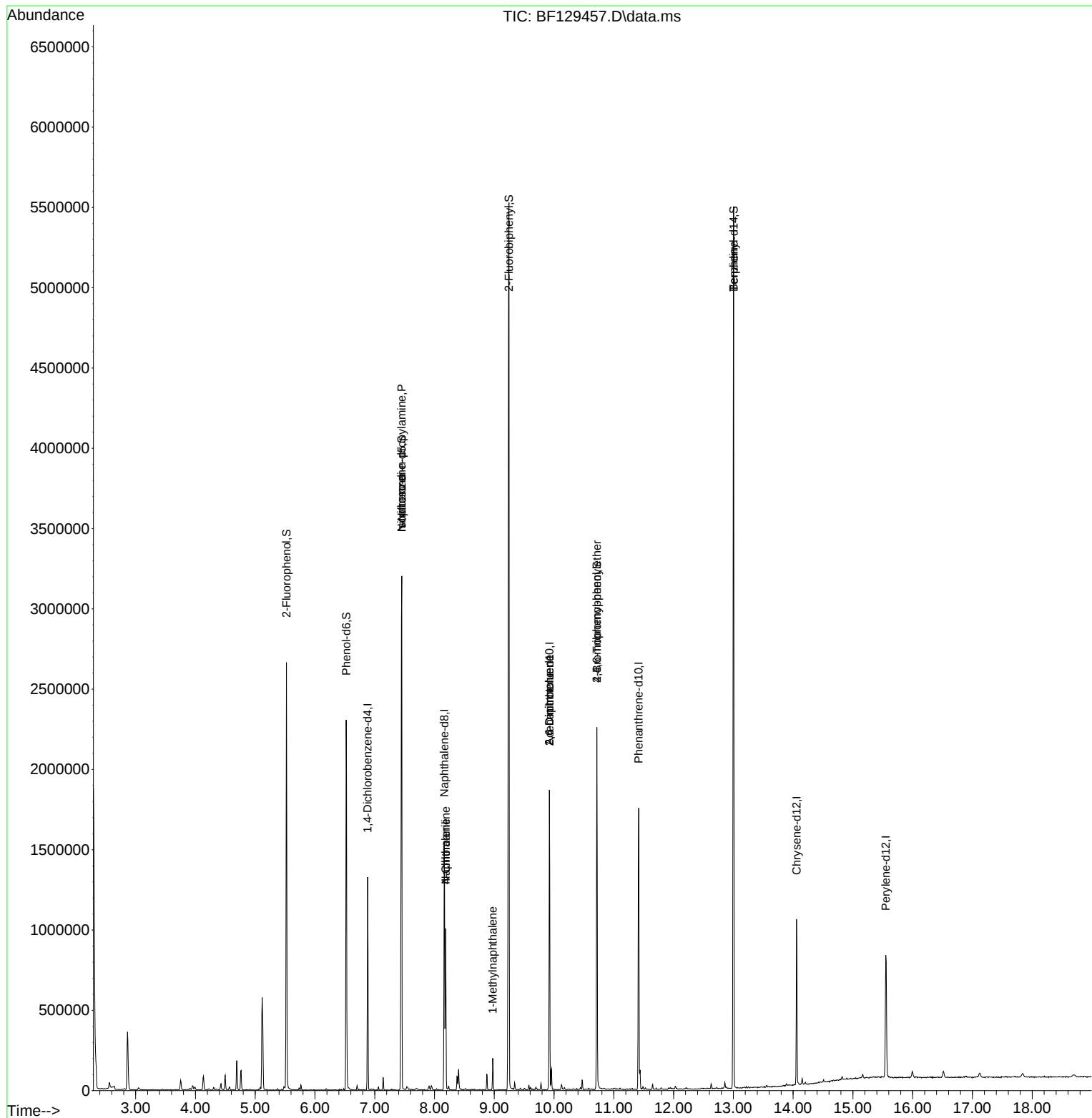
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	172367	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	685225	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	364233	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	608660	20.000	ng	0.00
76) Chrysene-d12	14.057	240	330520	20.000	ng	#-0.01
86) Perylene-d12	15.551	264	339386	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	665172	62.864	ng	0.02
7) Phenol-d6	6.522	99	789114	59.332	ng	0.00
23) Nitrobenzene-d5	7.451	82	1094511	87.194	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	248279	70.900	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1934473	82.160	ng	0.00
79) Terphenyl-d14	13.004	244	1846939	105.422	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	146050	18.139	ng	# 73
25) Isophorone	7.451	82	1094503	48.644	ng	# 65
31) Naphthalene	8.187	128	394354	11.328	ng	99
33) 4-Chloroaniline	8.187	127	51456	3.600	ng	# 33
38) 1-Methylnaphthalene	8.975	142	48076	2.201	ng	99
51) 2,6-Dinitrotoluene	9.922	165	47760	8.487	ng	# 25
57) 2,4-Dinitrotoluene	9.922	165	47760	6.496	ng	# 21
67) 4-Bromophenyl-phenylether	10.716	248	15767	2.366	ng	# 1
77) Benzidine	13.004	184	25409	2.176	ng	# 91

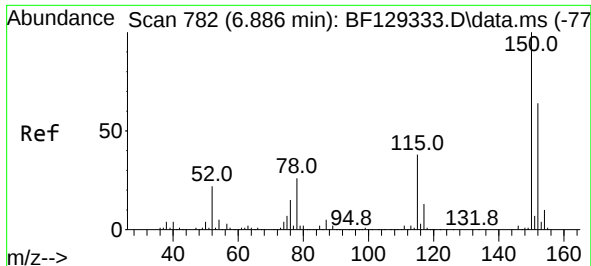
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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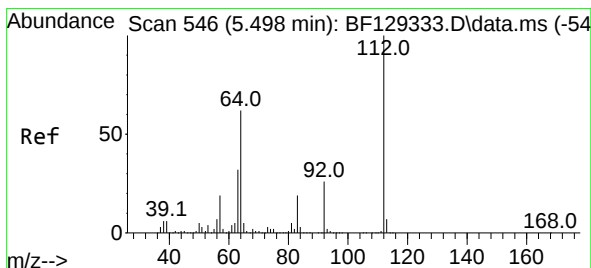
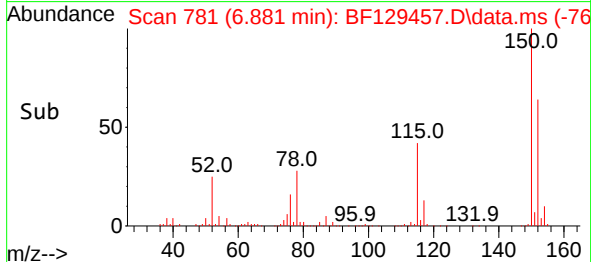
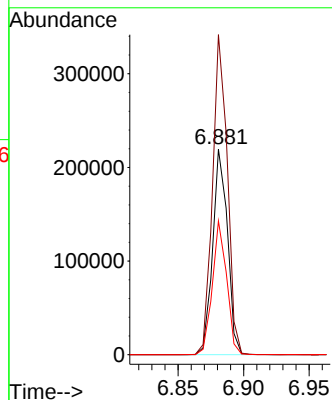
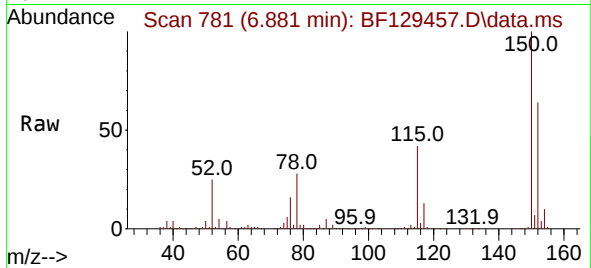




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 71
 Delta R.T. -0.005 min
 Lab File: BF129457.D
 Acq: 29 Jul 2022 23:29

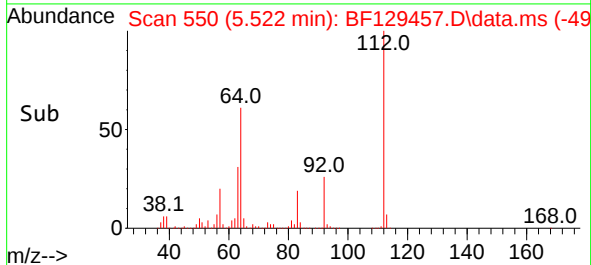
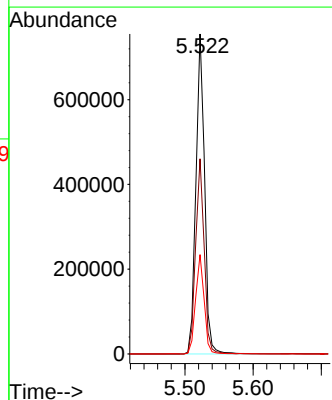
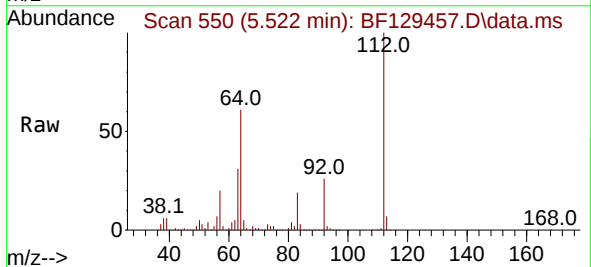
Instrument :
 BNA_F
 ClientSampleId :
 HMGP-SOIL-C

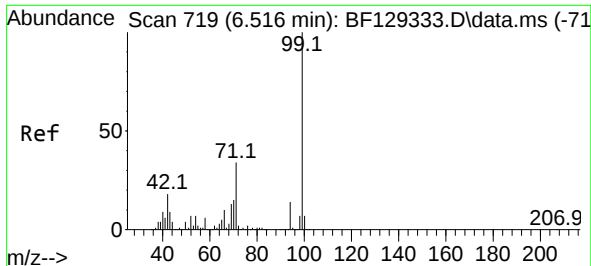
Tgt Ion:152 Resp: 172367
 Ion Ratio Lower Upper
 152 100
 150 155.7 123.7 185.5
 115 65.1 49.9 74.9



#5
 2-Fluorophenol
 Concen: 62.864 ng
 RT: 5.522 min Scan# 550
 Delta R.T. 0.024 min
 Lab File: BF129457.D
 Acq: 29 Jul 2022 23:29

Tgt Ion:112 Resp: 665172
 Ion Ratio Lower Upper
 112 100
 64 61.0 53.3 79.9
 63 31.0 28.0 42.0

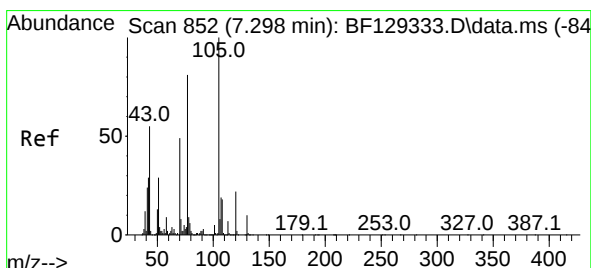
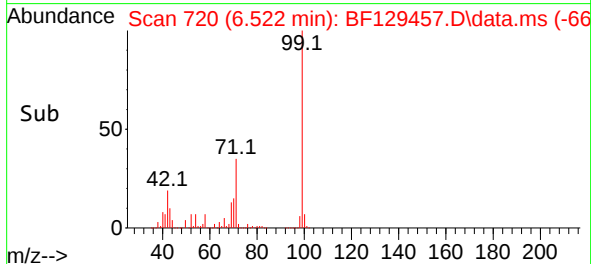
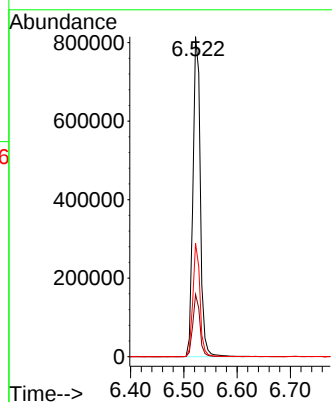
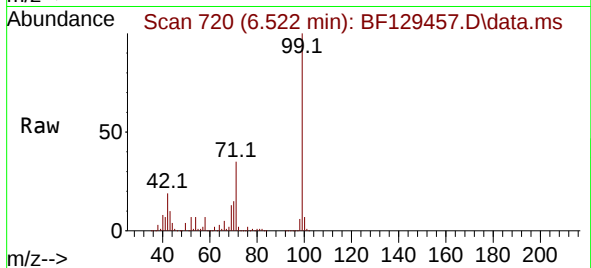




#7
Phenol-d6
Concen: 59.332 ng
RT: 6.522 min Scan# 719
Delta R.T. 0.006 min
Lab File: BF129457.D
Acq: 29 Jul 2022 23:29

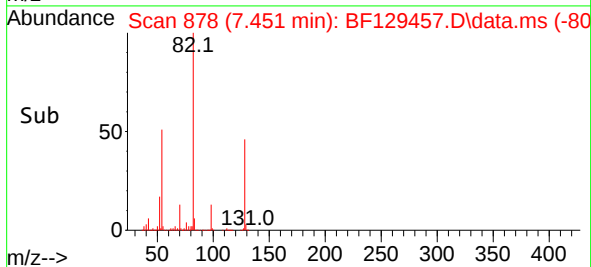
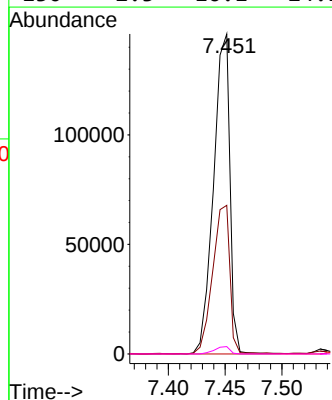
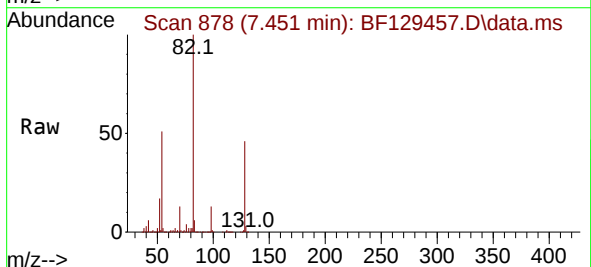
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

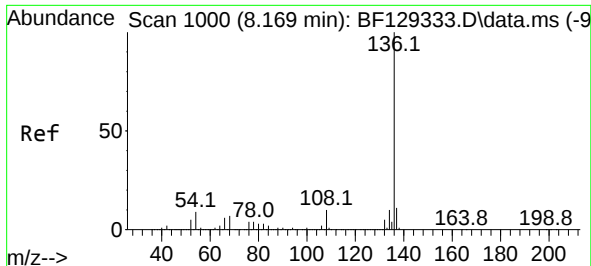
Tgt Ion: 99 Resp: 789114
Ion Ratio Lower Upper
99 100
42 19.4 17.3 25.9
71 35.4 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 18.139 ng
RT: 7.451 min Scan# 878
Delta R.T. 0.153 min
Lab File: BF129457.D
Acq: 29 Jul 2022 23:29

Tgt Ion: 70 Resp: 146050
Ion Ratio Lower Upper
70 100
42 46.5 52.3 78.5#
101 0.0 7.5 11.3#
130 2.3 16.1 24.1#



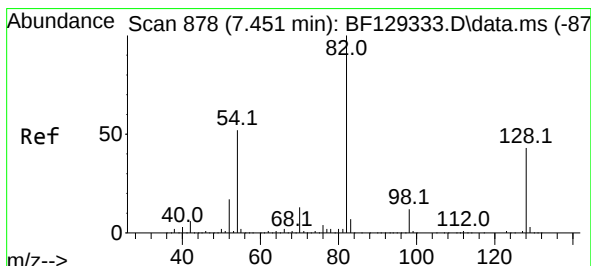
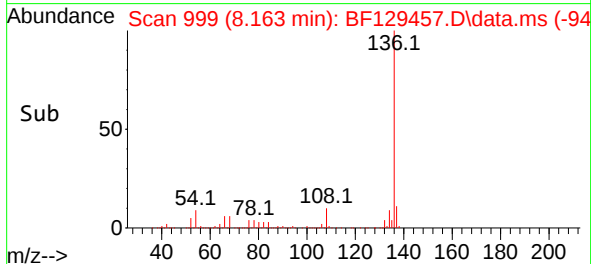
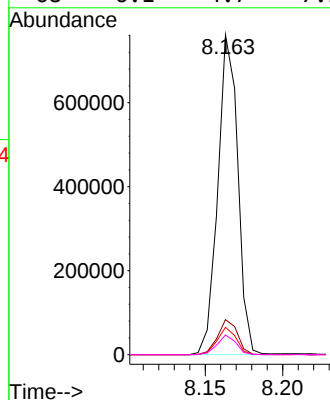
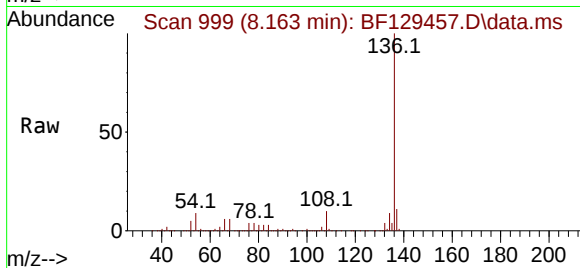


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF129457.D
Acq: 29 Jul 2022 23:29

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

Tgt Ion:136 Resp: 685225

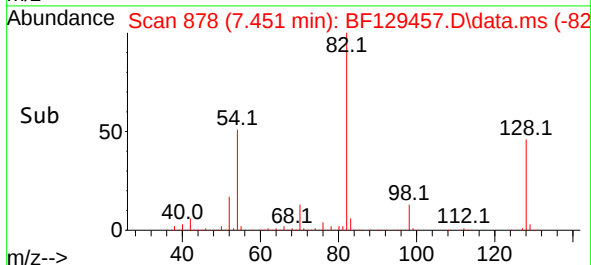
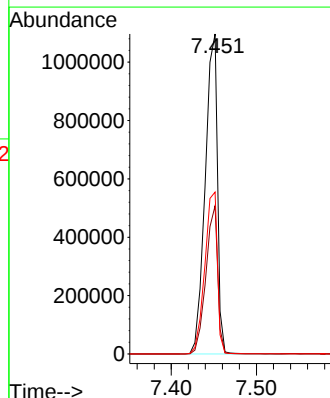
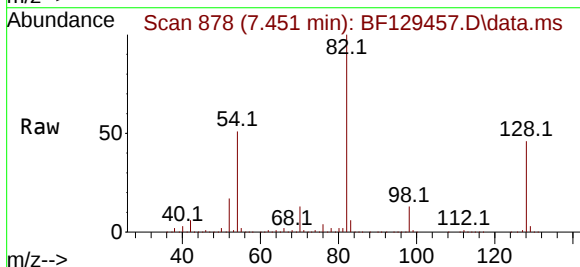
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.6	7.5	11.3
68	6.1	4.7	7.1

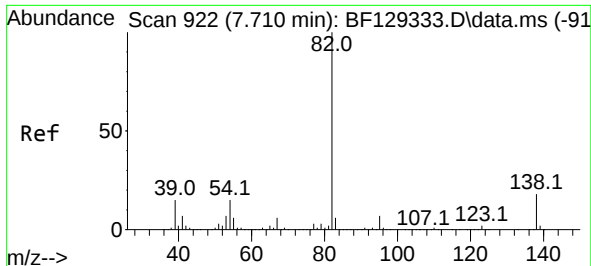


#23
Nitrobenzene-d5
Concen: 87.194 ng
RT: 7.451 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF129457.D
Acq: 29 Jul 2022 23:29

Tgt Ion: 82 Resp: 1094511

Ion	Ratio	Lower	Upper
82	100		
128	46.3	34.0	51.0
54	50.6	46.9	70.3

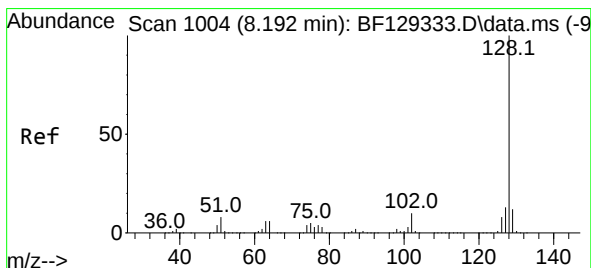
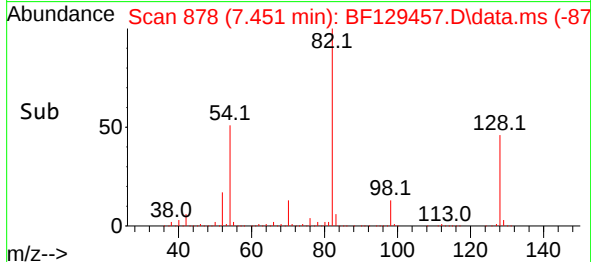
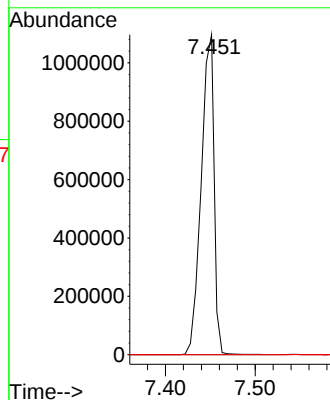
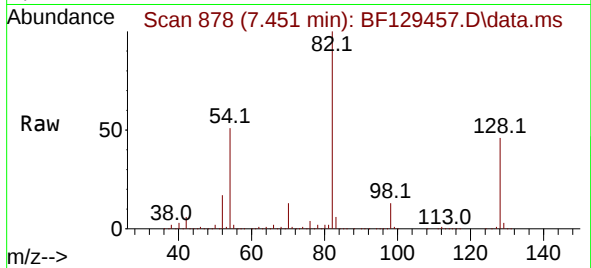




#25
Isophorone
Concen: 48.644 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF129457.D
Acq: 29 Jul 2022 23:29

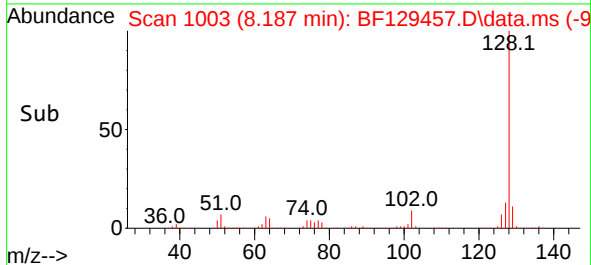
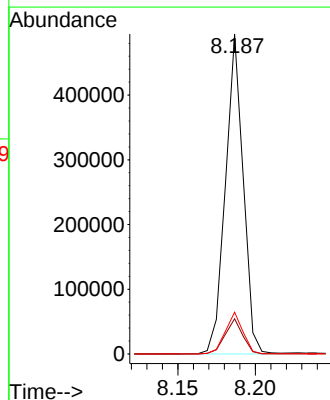
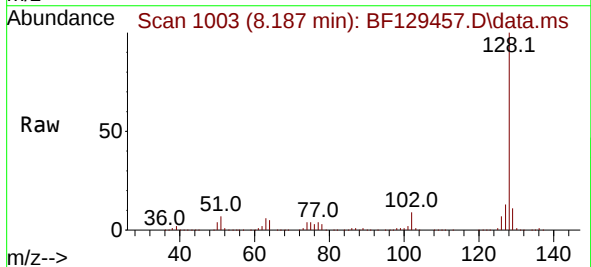
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

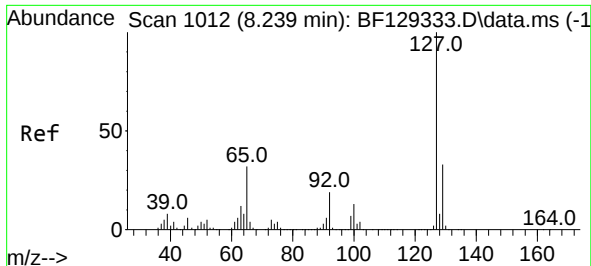
Tgt Ion: 82 Resp: 1094503
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 11.328 ng
RT: 8.187 min Scan# 1003
Delta R.T. -0.006 min
Lab File: BF129457.D
Acq: 29 Jul 2022 23:29

Tgt Ion: 128 Resp: 394354
Ion Ratio Lower Upper
128 100
129 11.0 9.2 13.8
127 13.0 10.5 15.7

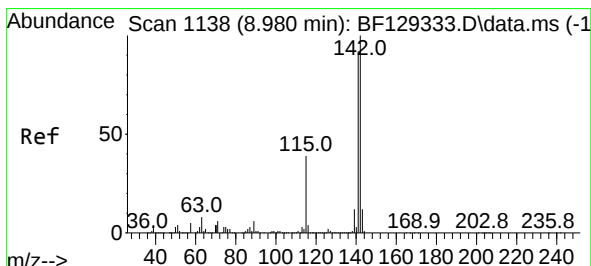
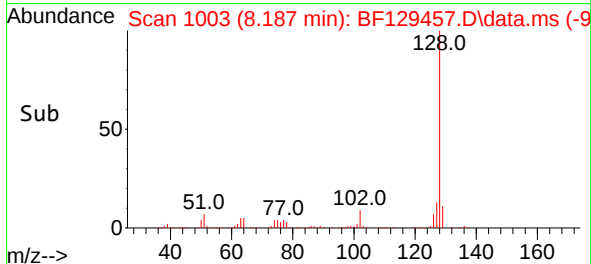
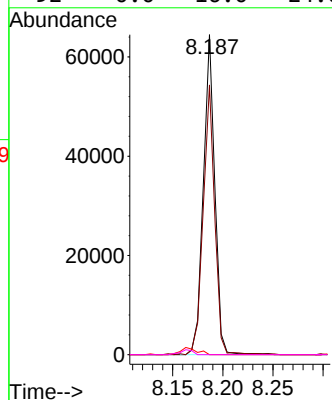
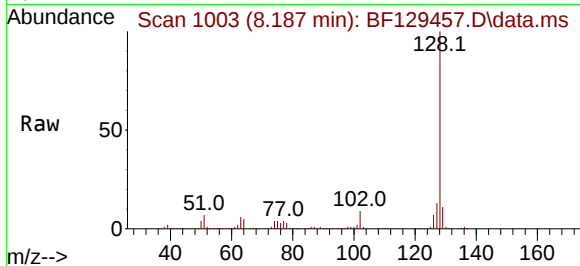




#33
4-Chloroaniline
Concen: 3.600 ng
RT: 8.187 min Scan# 1012
Delta R.T. -0.053 min
Lab File: BF129457.D
Acq: 29 Jul 2022 23:29

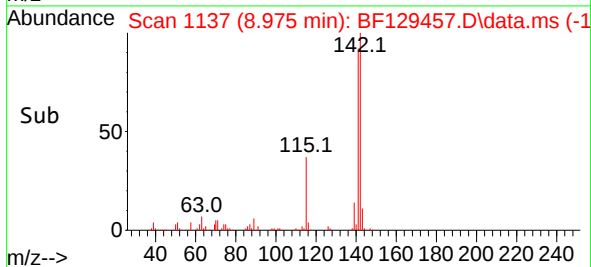
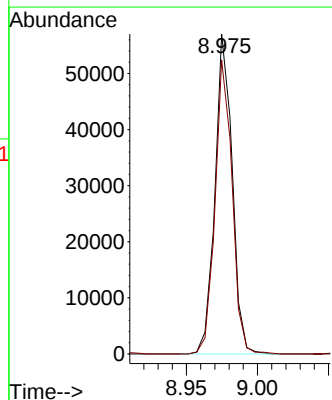
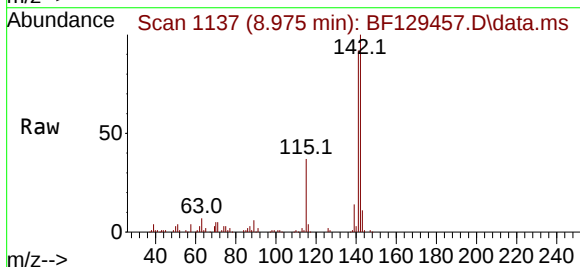
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

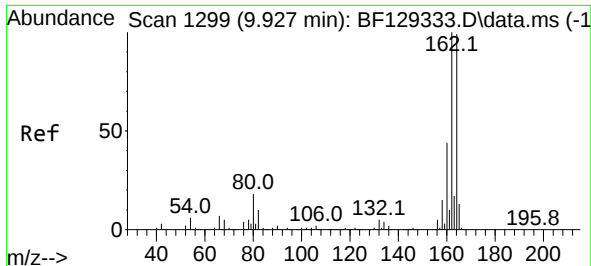
Tgt Ion:127	Resp:	51456
Ion Ratio	Lower	Upper
127	100	
129	84.3	26.4 39.6#
65	0.0	26.4 39.6#
92	0.0	16.0 24.0#



#38
1-Methylnaphthalene
Concen: 2.201 ng
RT: 8.975 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BF129457.D
Acq: 29 Jul 2022 23:29

Tgt Ion:142	Resp:	48076
Ion Ratio	Lower	Upper
142	100	
141	91.9	74.2 111.4

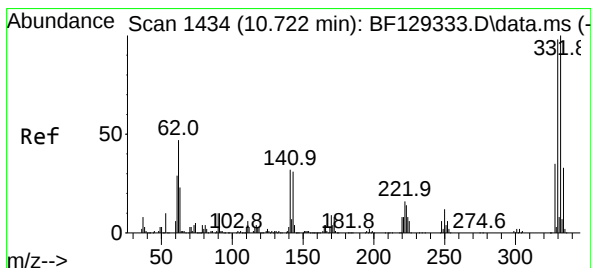
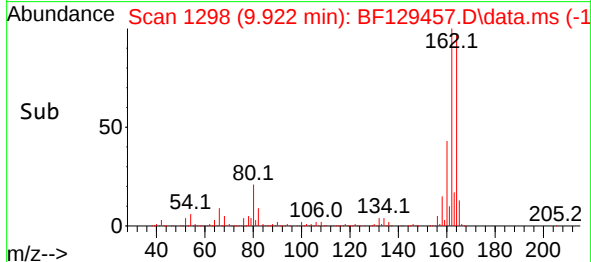
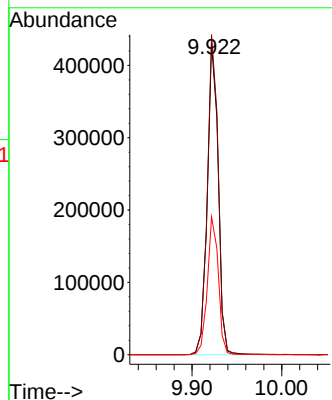
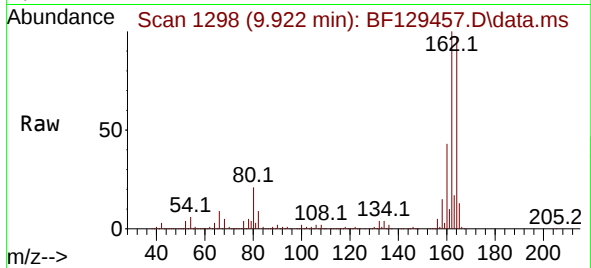




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BF129457.D
Acq: 29 Jul 2022 23:29

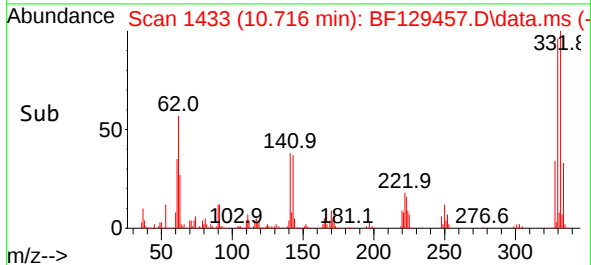
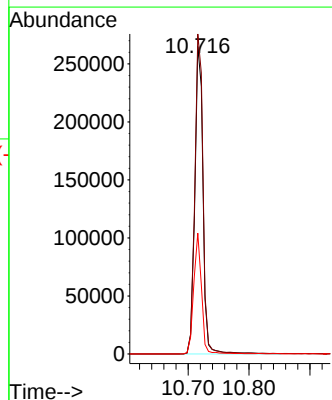
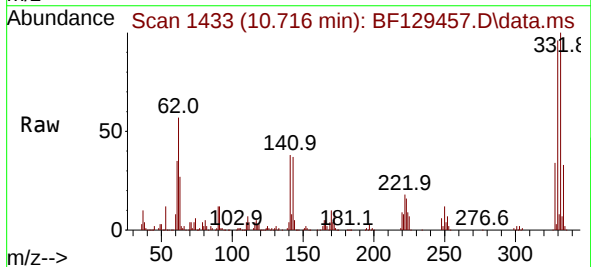
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ClientSampleId :
HMGP-SOIL-C

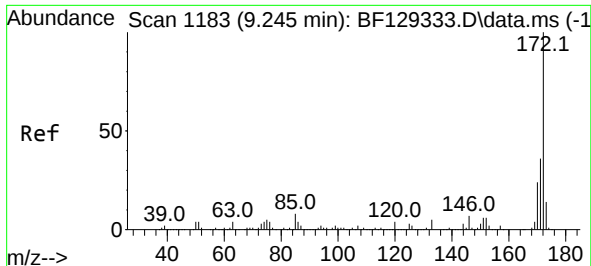
Tgt Ion:164 Resp: 364233
Ion Ratio Lower Upper
164 100
162 102.8 79.5 119.3
160 44.3 34.2 51.4



#42
2,4,6-Tribromophenol
Concen: 70.900 ng
RT: 10.716 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF129457.D
Acq: 29 Jul 2022 23:29

Tgt Ion:330 Resp: 248279
Ion Ratio Lower Upper
330 100
332 104.8 76.8 115.2
141 37.5 28.0 42.0





#45

2-Fluorobiphenyl

Concen: 82.160 ng

RT: 9.245 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF129457.D

Acq: 29 Jul 2022 23:29

Instrument :

BNA_F

ClientSampleId :

HMGP-SOIL-C

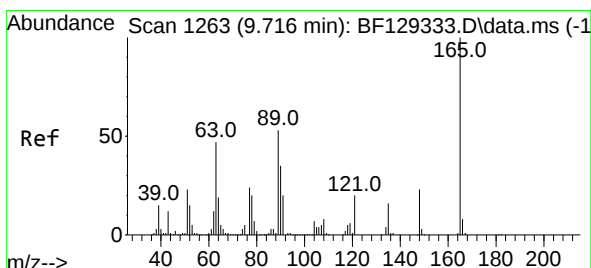
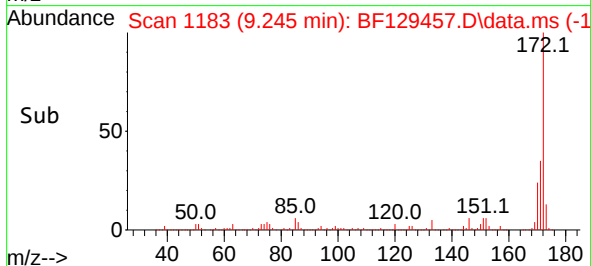
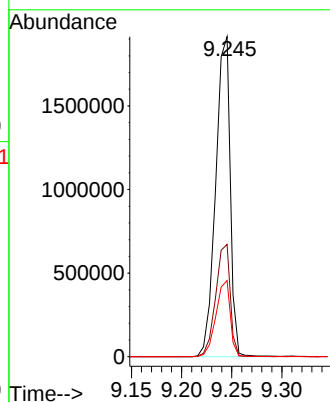
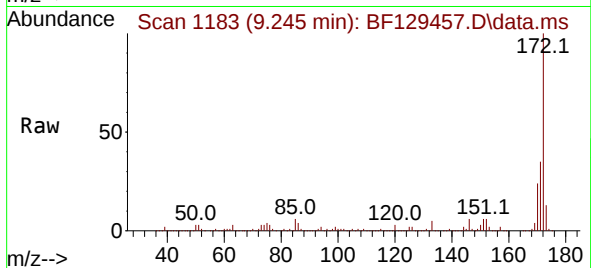
Tgt Ion:172 Resp: 1934473

Ion Ratio Lower Upper

172 100

171 35.1 28.8 43.2

170 23.8 19.8 29.8



#51

2,6-Dinitrotoluene

Concen: 8.487 ng

RT: 9.922 min Scan# 1298

Delta R.T. 0.206 min

Lab File: BF129457.D

Acq: 29 Jul 2022 23:29

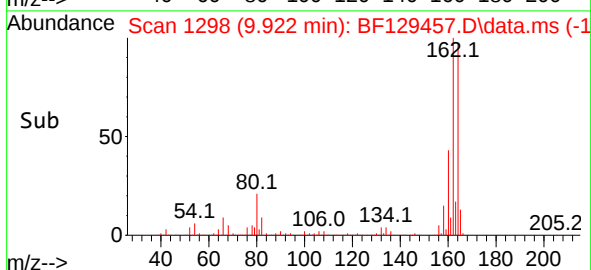
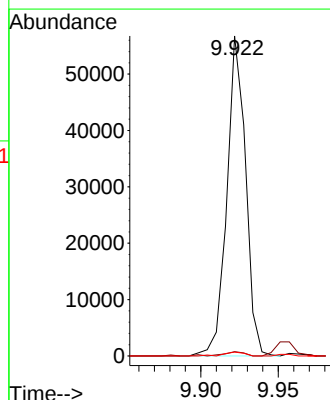
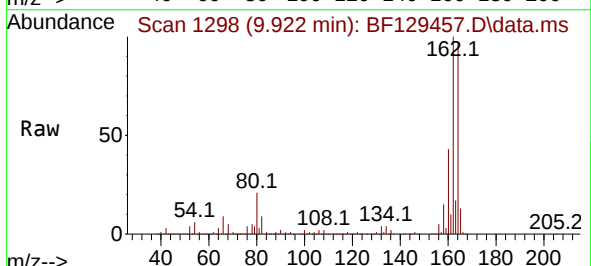
Tgt Ion:165 Resp: 47760

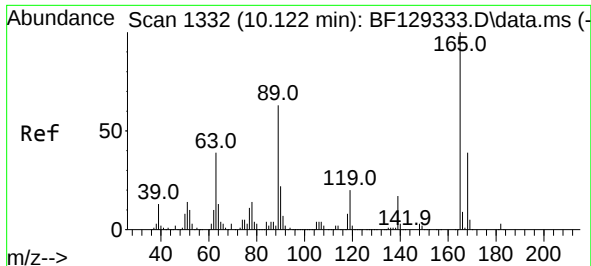
Ion Ratio Lower Upper

165 100

63 1.4 44.9 67.3#

89 1.2 43.6 65.4#

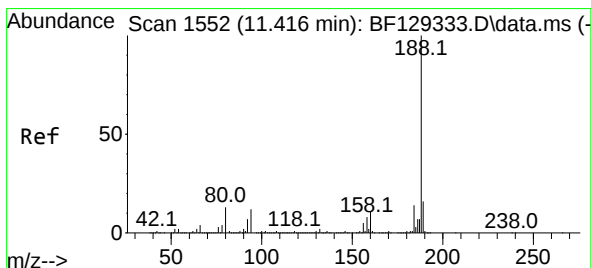
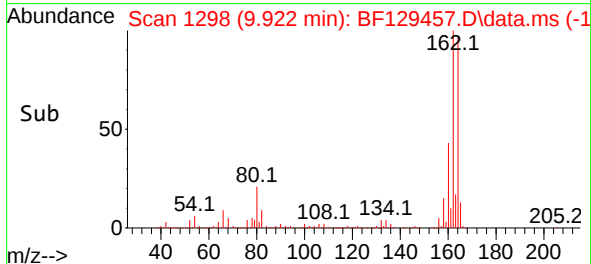
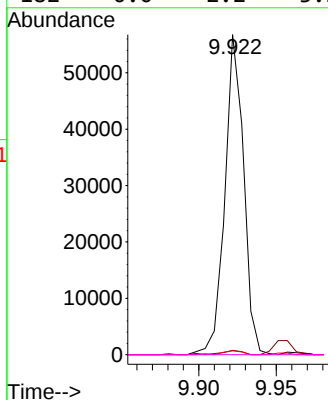
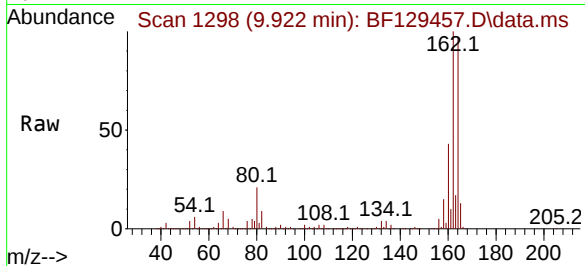




#57
2,4-Dinitrotoluene
Concen: 6.496 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF129457.D
Acq: 29 Jul 2022 23:29

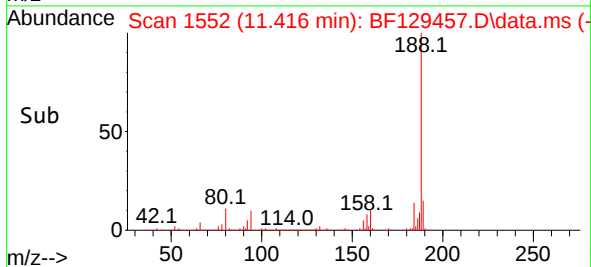
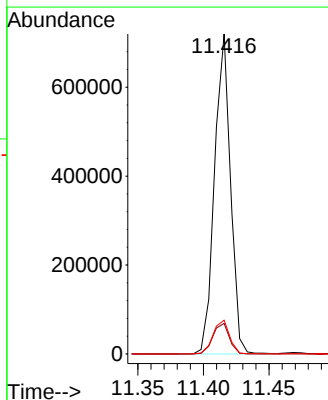
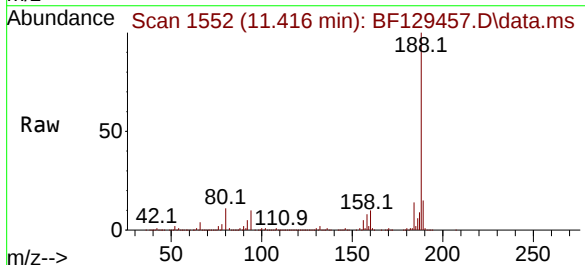
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

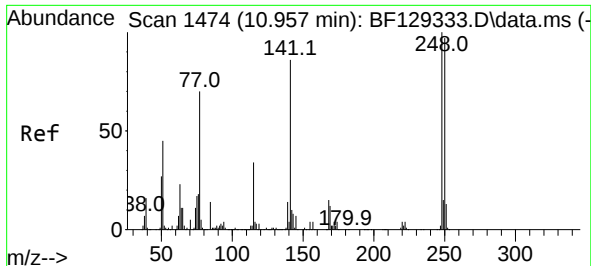
Tgt Ion:165 Resp: 47760
Ion Ratio Lower Upper
165 100
63 1.4 39.8 59.6#
89 1.2 60.2 90.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1552
Delta R.T. 0.000 min
Lab File: BF129457.D
Acq: 29 Jul 2022 23:29

Tgt Ion:188 Resp: 608660
Ion Ratio Lower Upper
188 100
94 9.6 7.0 10.6
80 10.6 7.6 11.4

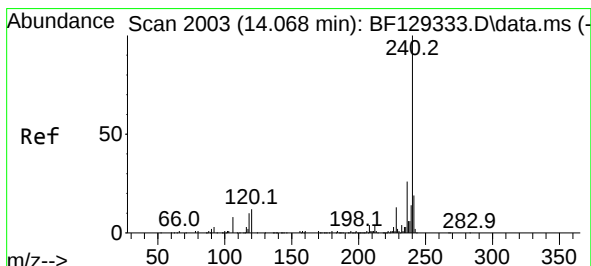
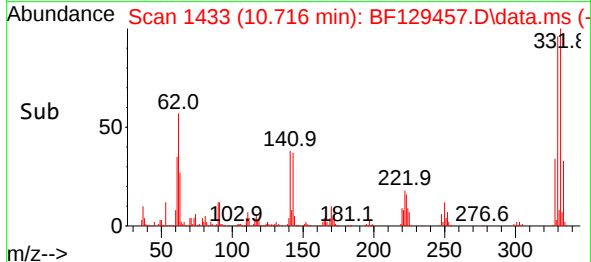
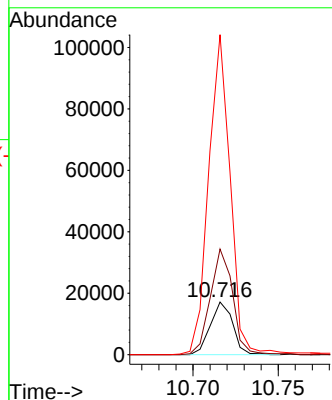
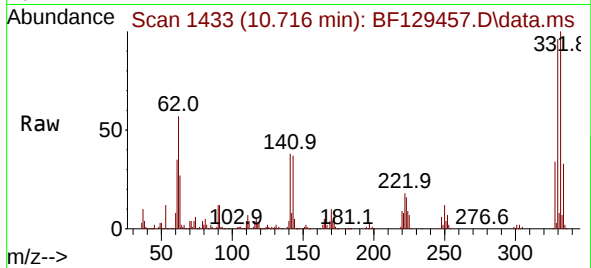




#67
4-Bromophenyl-phenylether
Concen: 2.366 ng
RT: 10.716 min Scan# 1474
Delta R.T. -0.241 min
Lab File: BF129457.D
Acq: 29 Jul 2022 23:29

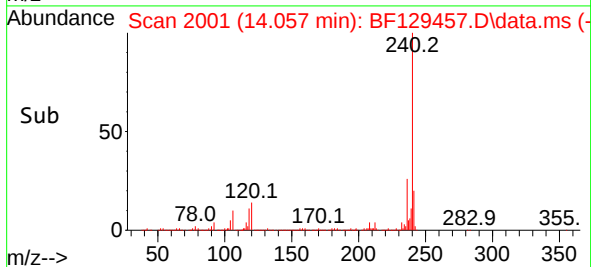
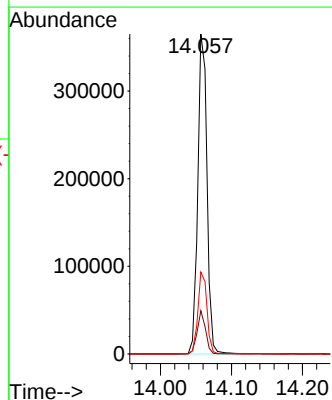
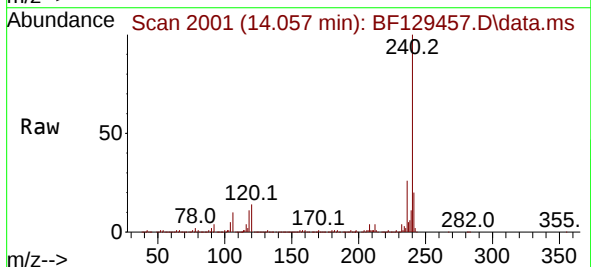
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

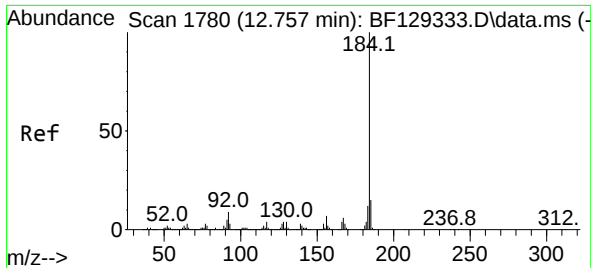
Tgt Ion:248 Resp: 15767
Ion Ratio Lower Upper
248 100
250 200.2 80.6 120.8#
141 607.0 58.9 88.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2001
Delta R.T. -0.012 min
Lab File: BF129457.D
Acq: 29 Jul 2022 23:29

Tgt Ion:240 Resp: 330520
Ion Ratio Lower Upper
240 100
120 13.5 8.9 13.3#
236 25.6 20.8 31.2

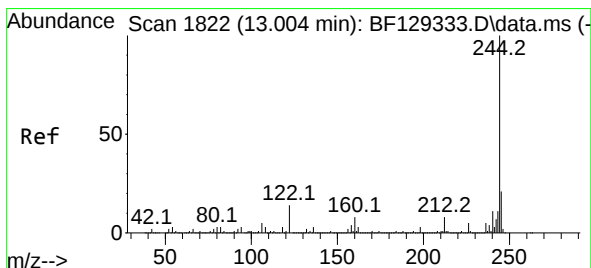
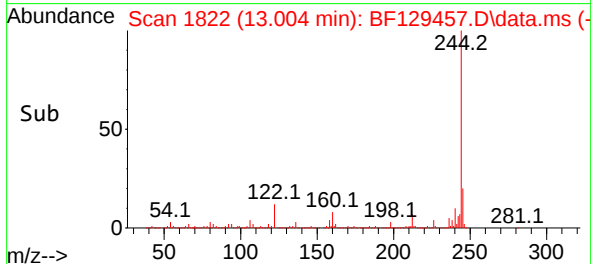
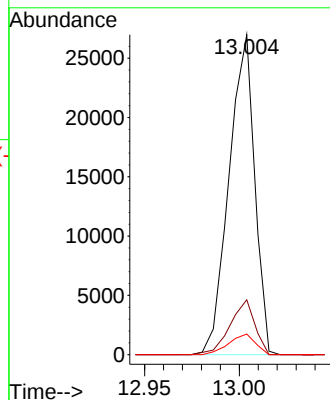
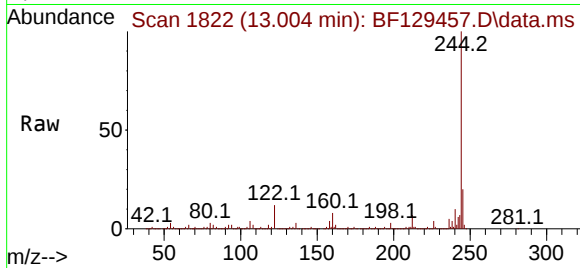




#77
Benzidine
Concen: 2.176 ng
RT: 13.004 min Scan# 1822
Delta R.T. 0.247 min
Lab File: BF129457.D
Acq: 29 Jul 2022 23:29

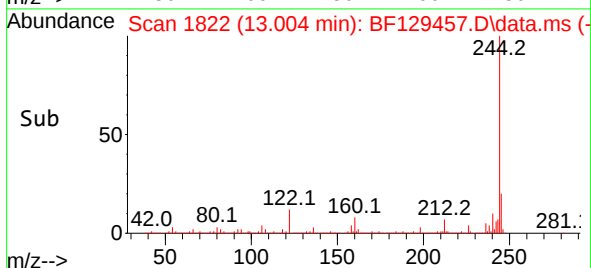
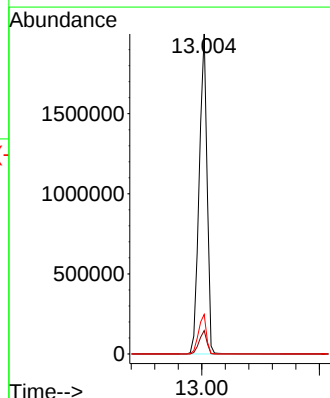
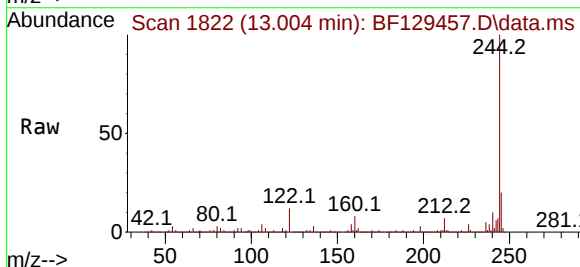
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

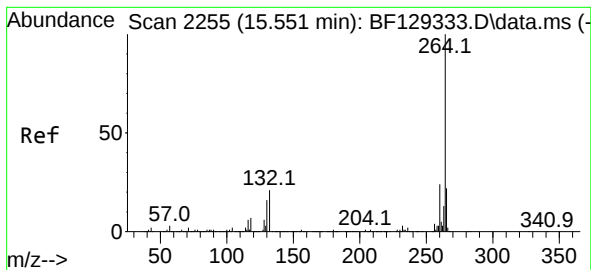
Tgt Ion:184 Resp: 25409
Ion Ratio Lower Upper
184 100
185 17.1 11.9 17.9
183 6.5 9.3 13.9#



#79
Terphenyl-d14
Concen: 105.422 ng
RT: 13.004 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF129457.D
Acq: 29 Jul 2022 23:29

Tgt Ion:244 Resp: 1846939
Ion Ratio Lower Upper
244 100
212 7.3 6.1 9.1
122 12.3 8.8 13.2





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.551 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF129457.D
 Acq: 29 Jul 2022 23:29

Instrument :
 BNA_F
 ClientSampleId :
 HMGP-SOIL-C

Tgt Ion:264 Resp: 339386
 Ion Ratio Lower Upper
 264 100
 260 24.0 18.4 27.6
 265 22.7 17.2 25.8

