

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
 Data File : BF129439.D
 Acq On : 29 Jul 2022 13:29
 Operator : CG\JU
 Sample : N3964-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HMGP-SOIL-A

Quant Time: Jul 29 18:20:45 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

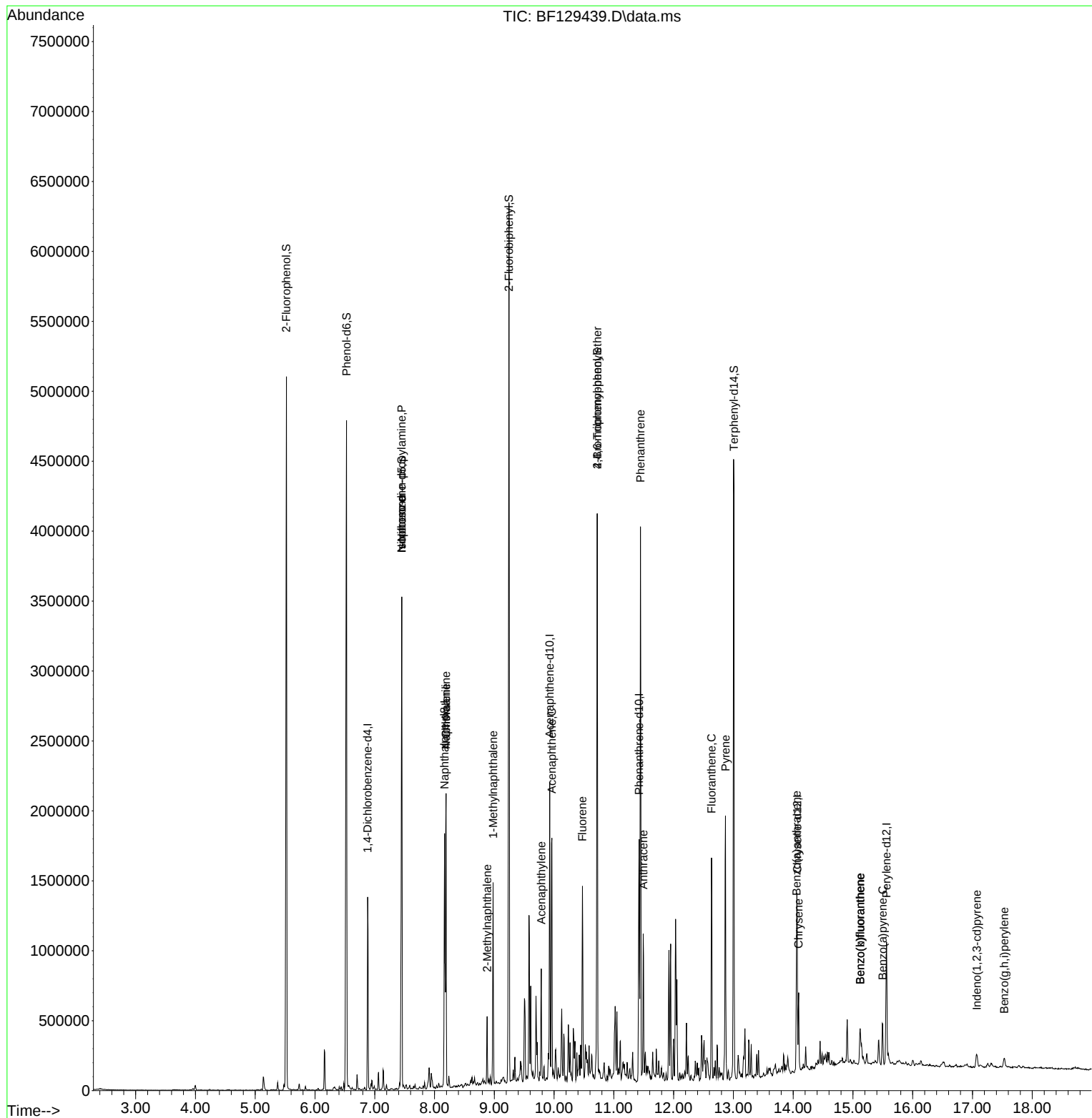
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	191224	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	764050	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	394213	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	639616	20.000	ng	0.00
76) Chrysene-d12	14.068	240	362832	20.000	ng	0.00
86) Perylene-d12	15.562	264	377007	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1430811	121.888	ng	0.02
7) Phenol-d6	6.528	99	1856846	125.846	ng	0.01
23) Nitrobenzene-d5	7.451	82	1180680	84.355	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	458654	121.015	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1883624	73.916	ng	0.00
79) Terphenyl-d14	13.010	244	1585876	82.459	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.451	70	159344	17.839	ng	# 73
25) Isophorone	7.451	82	1173627	46.779	ng	# 65
31) Naphthalene	8.192	128	883507	22.760	ng	100
33) 4-Chloroaniline	8.192	127	115722	7.261	ng	# 32
37) 2-Methylnaphthalene	8.881	142	118385	4.693	ng	99
38) 1-Methylnaphthalene	8.981	142	332167	13.640	ng	98
49) Acenaphthylene	9.786	152	136571	3.865	ng	# 92
52) Acenaphthene	9.963	154	369181	15.994	ng	100
58) Fluorene	10.475	166	352793	13.857	ng	99
67) 4-Bromophenyl-phenylether	10.722	248	29057	4.149	ng	# 1
71) Phenanthrene	11.445	178	1416959	40.583	ng	99
72) Anthracene	11.492	178	374187	10.906	ng	99
75) Fluoranthene	12.633	202	564848	15.967	ng	98
78) Pyrene	12.869	202	737203	24.297	ng	98
81) Benzo(a)anthracene	14.057	228	218908	8.832	ng	94
83) Chrysene	14.092	228	204015	8.734	ng	98
87) Indeno(1,2,3-cd)pyrene	17.074	276	61921	2.439	ng	97
88) Benzo(b)fluoranthene	15.121	252	204584	8.181	ng	98
89) Benzo(k)fluoranthene	15.121	252	204584	8.348	ng	98
90) Benzo(a)pyrene	15.498	252	136210	6.710	ng	100
92) Benzo(g,h,i)perylene	17.533	276	58482	2.770	ng	97

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

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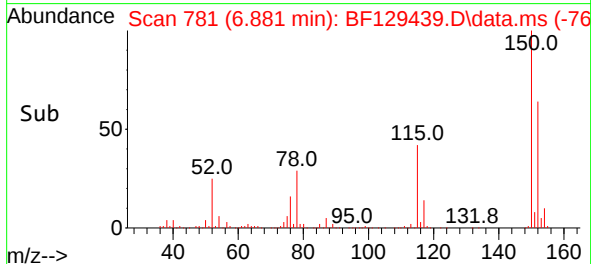
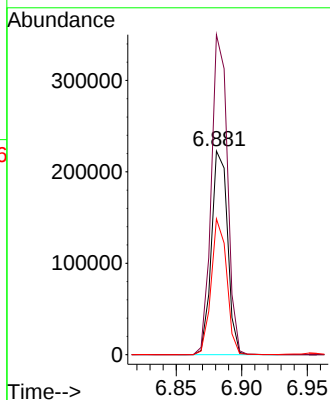
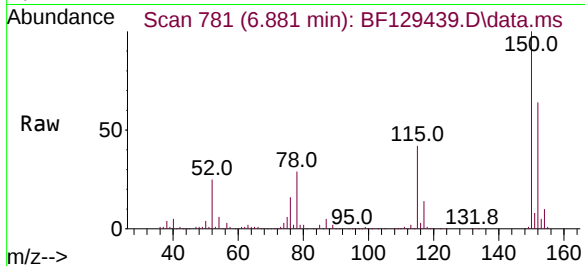




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

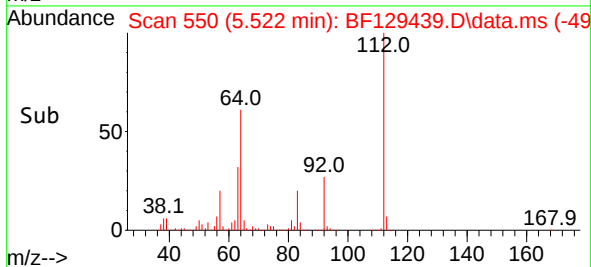
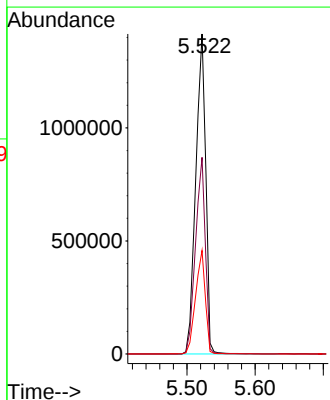
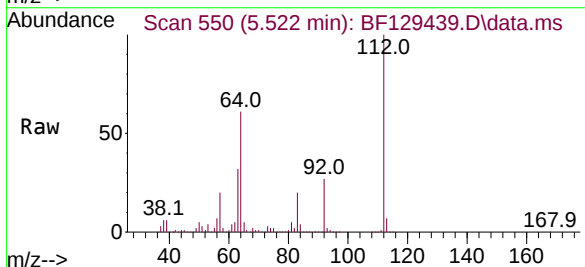
Instrument :
BNA_F
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Tgt Ion:152 Resp: 191224
Ion Ratio Lower Upper
152 100
150 157.0 123.7 185.5
115 66.7 49.9 74.9



#5
2-Fluorophenol
Concen: 121.888 ng
RT: 5.522 min Scan# 550
Delta R.T. 0.024 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

Tgt Ion:112 Resp: 1430811
Ion Ratio Lower Upper
112 100
64 61.5 53.3 79.9
63 32.3 28.0 42.0

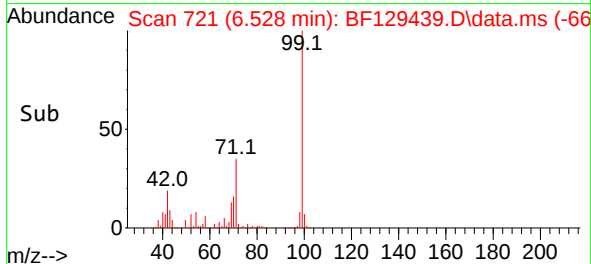
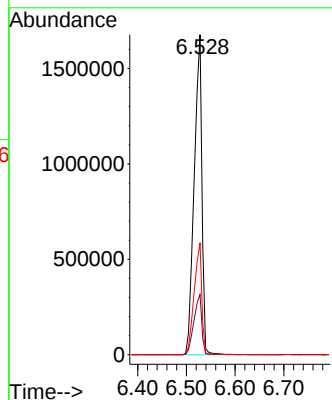
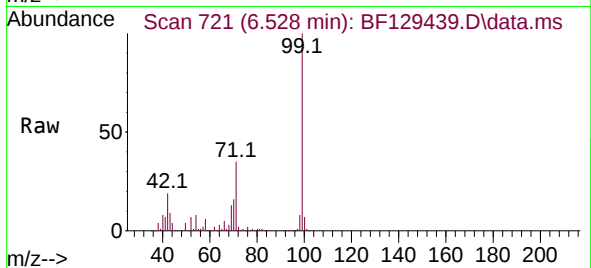




#7
Phenol-d6
Concen: 125.846 ng
RT: 6.528 min Scan# 719
Delta R.T. 0.012 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

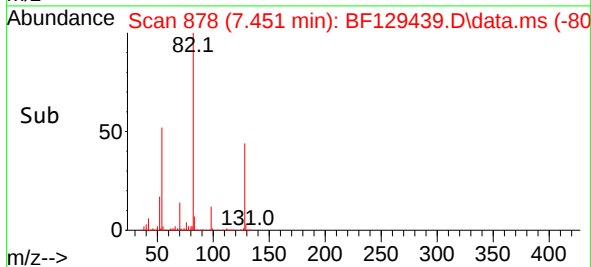
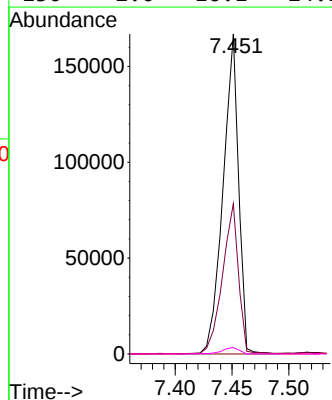
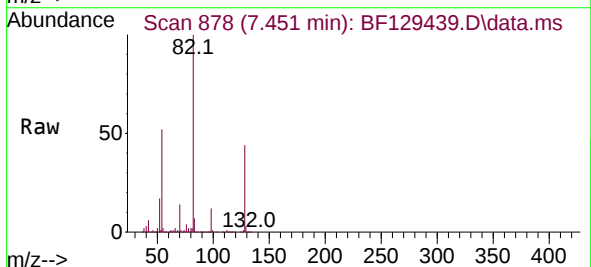
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-A

Tgt Ion: 99 Resp: 1856846
Ion Ratio Lower Upper
99 100
42 18.8 17.3 25.9
71 35.0 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 17.839 ng
RT: 7.451 min Scan# 878
Delta R.T. 0.153 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

Tgt Ion: 70 Resp: 159344
Ion Ratio Lower Upper
70 100
42 47.0 52.3 78.5#
101 0.0 7.5 11.3#
130 2.0 16.1 24.1#

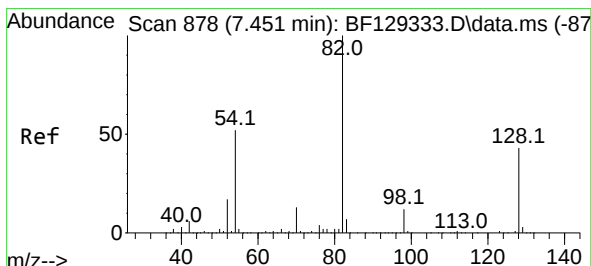
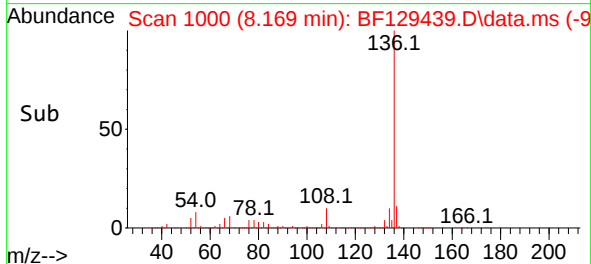
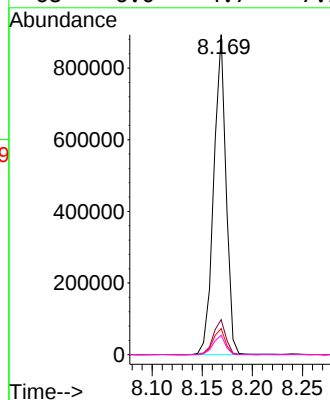
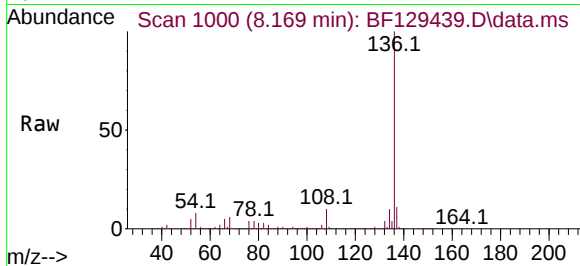




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

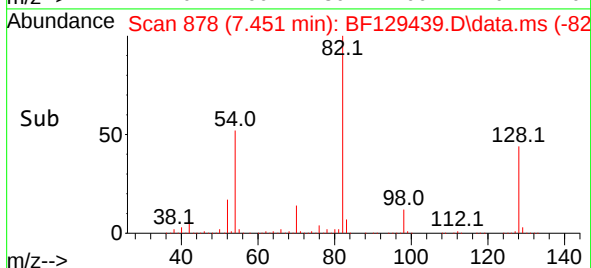
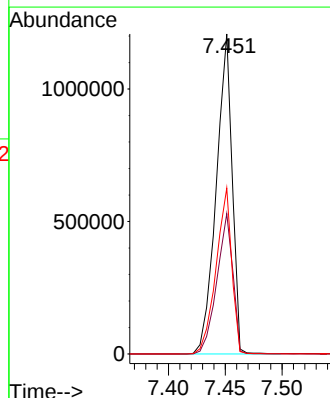
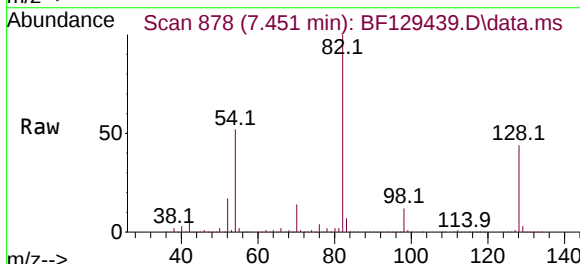
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-A

Tgt Ion:	136	Resp:	764050
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.1	7.5	11.3
68	6.0	4.7	7.1



#23
Nitrobenzene-d5
Concen: 84.355 ng
RT: 7.451 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

Tgt Ion:	82	Resp:	1180680
Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.0	51.0
54	51.9	46.9	70.3

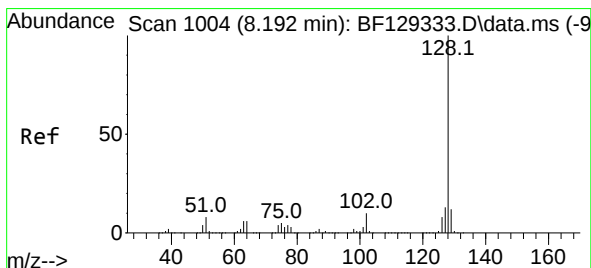
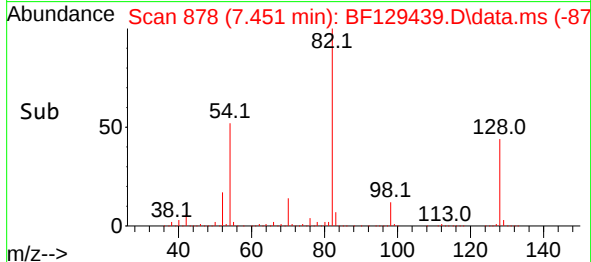
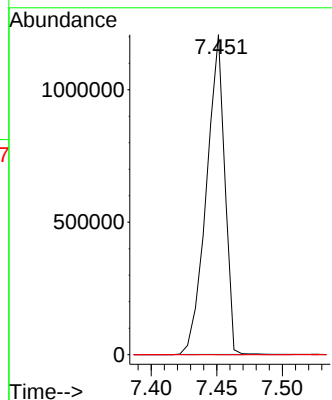
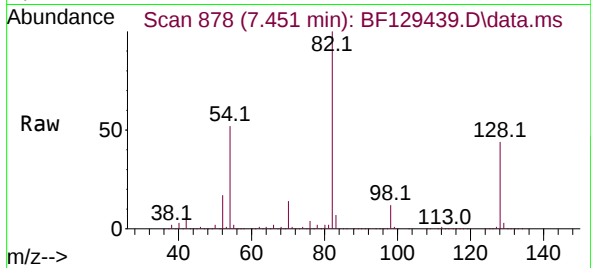




#25
Isophorone
Concen: 46.779 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

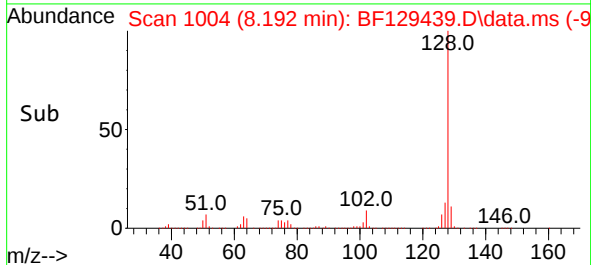
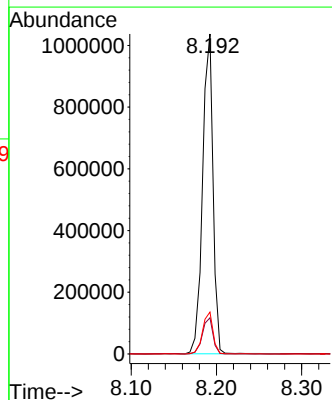
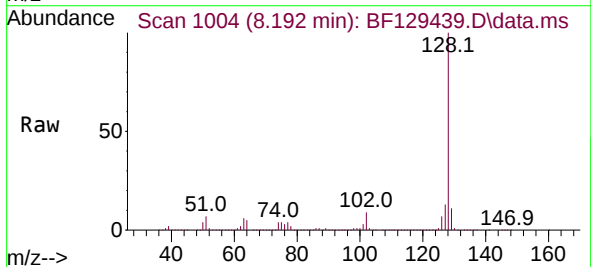
Instrument :
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ClientSampleId :
HMGP-SOIL-A

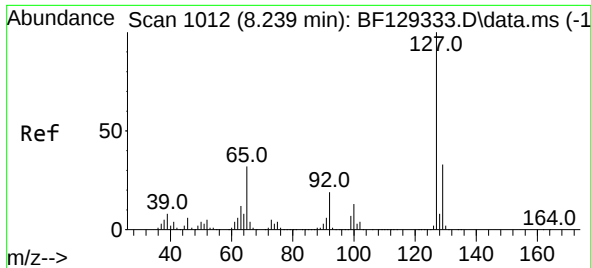
Tgt Ion: 82 Resp: 1173627
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 22.760 ng
RT: 8.192 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

Tgt Ion:128 Resp: 883507
Ion Ratio Lower Upper
128 100
129 11.3 9.2 13.8
127 13.1 10.5 15.7

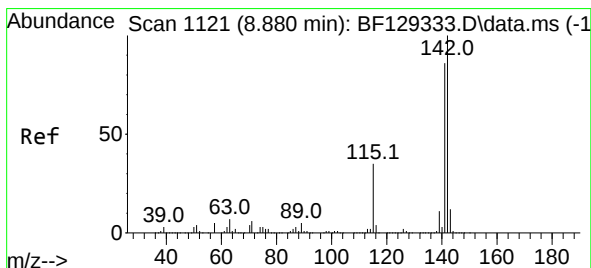
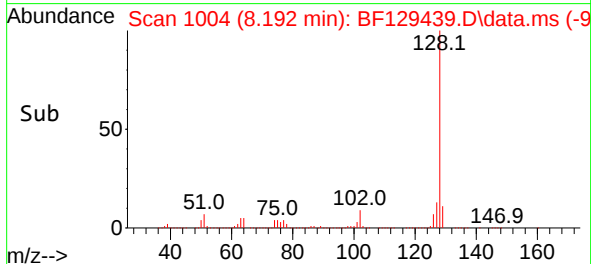
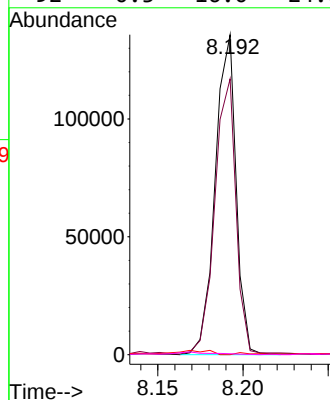
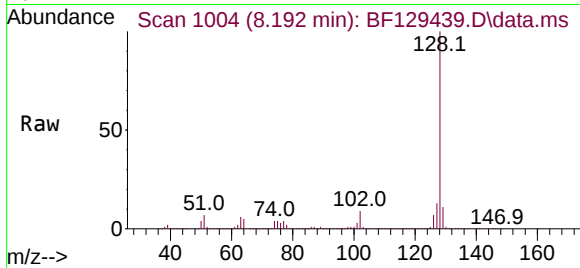




#33
4-Chloroaniline
Concen: 7.261 ng
RT: 8.192 min Scan# 1004
Delta R.T. -0.047 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

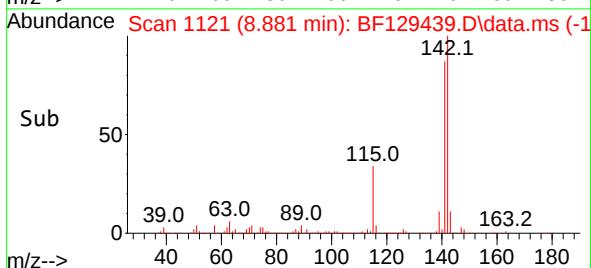
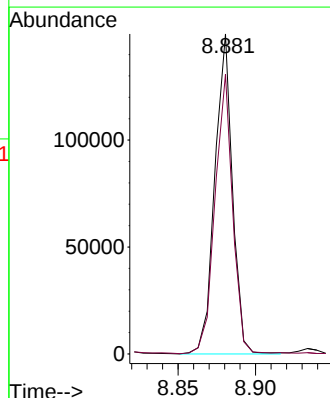
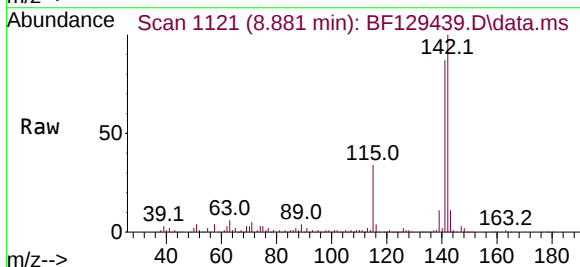
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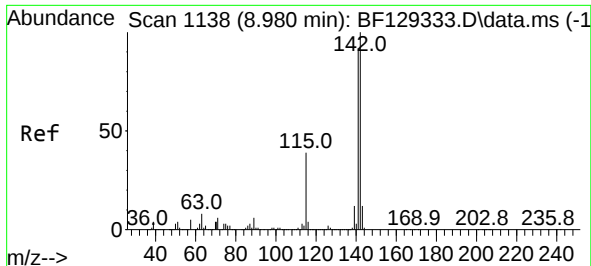
Tgt Ion:127	Resp: 115722
Ion Ratio	Lower Upper
127 100	
129 86.2	26.4 39.6#
65 0.0	26.4 39.6#
92 0.3	16.0 24.0#



#37
2-Methylnaphthalene
Concen: 4.693 ng
RT: 8.881 min Scan# 1121
Delta R.T. 0.000 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

Tgt Ion:142	Resp: 118385
Ion Ratio	Lower Upper
142 100	
141 87.5	71.0 106.4

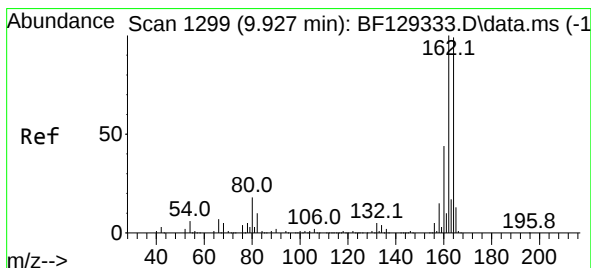
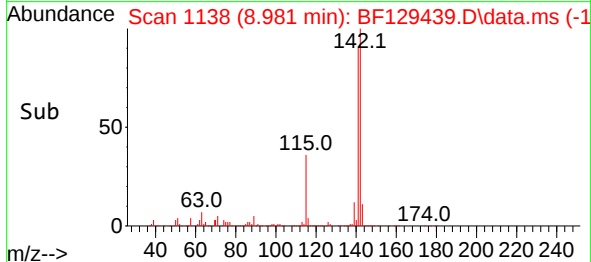
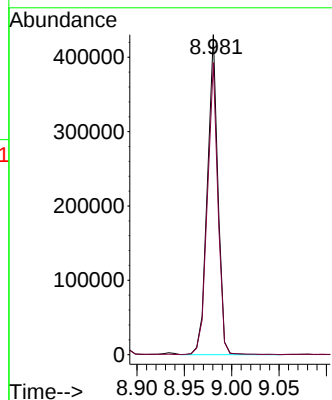
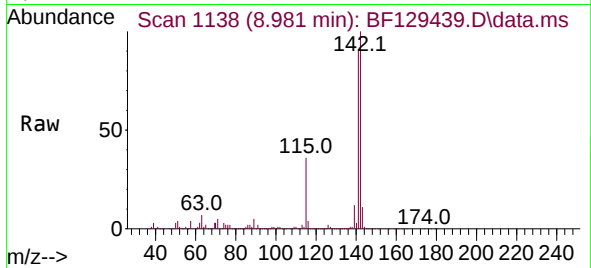




#38
1-Methylnaphthalene
Concen: 13.640 ng
RT: 8.981 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

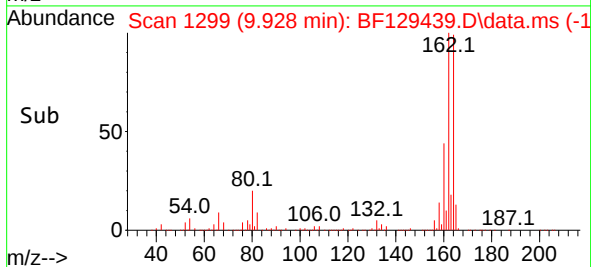
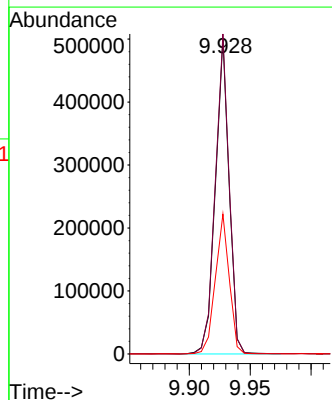
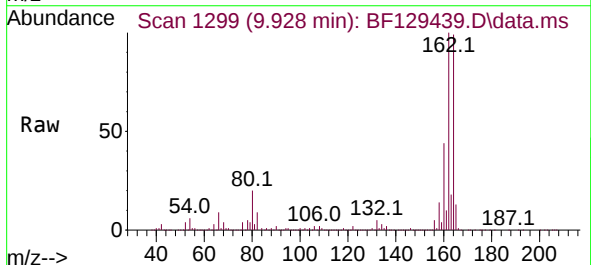
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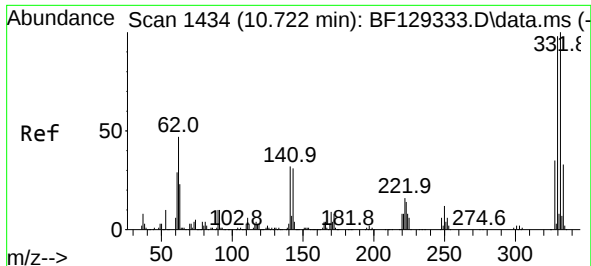
Tgt Ion:142 Resp: 332167
Ion Ratio Lower Upper
142 100
141 91.2 74.2 111.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1299
Delta R.T. 0.000 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

Tgt Ion:164 Resp: 394213
Ion Ratio Lower Upper
164 100
162 101.3 79.5 119.3
160 44.3 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 121.015 ng

RT: 10.722 min Scan# 1434

Delta R.T. 0.000 min

Lab File: BF129439.D

Acq: 29 Jul 2022 13:29

Instrument :

BNA_F

ClientSampleId :

HMGP-SOIL-A

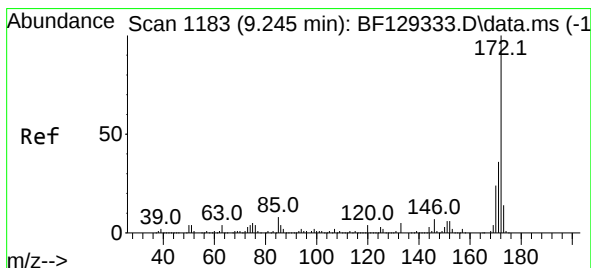
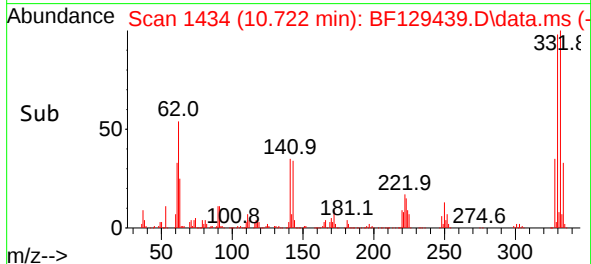
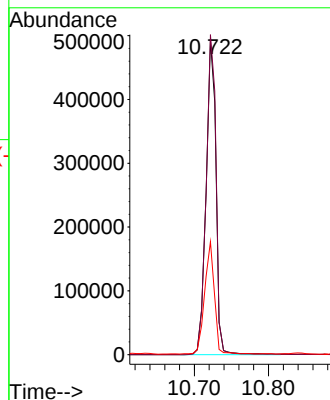
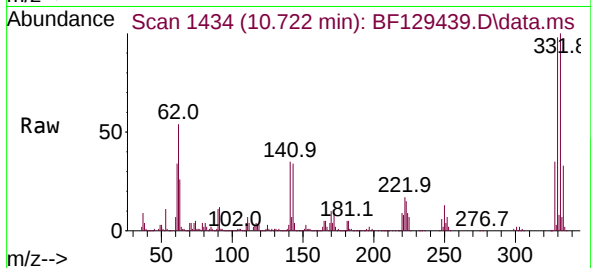
Tgt Ion:330 Resp: 458654

Ion Ratio Lower Upper

330 100

332 102.1 76.8 115.2

141 35.1 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 73.916 ng

RT: 9.245 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF129439.D

Acq: 29 Jul 2022 13:29

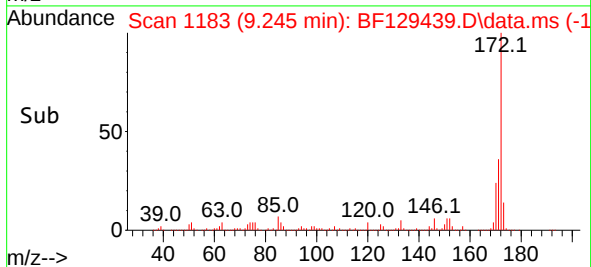
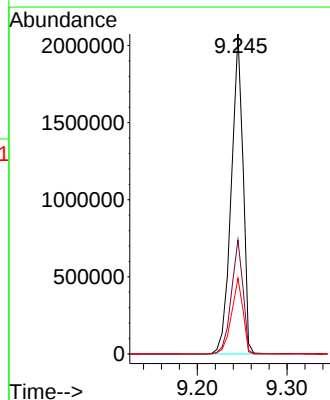
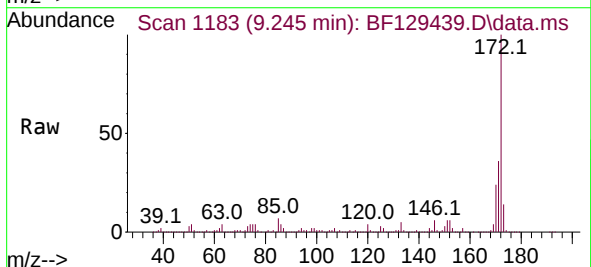
Tgt Ion:172 Resp: 1883624

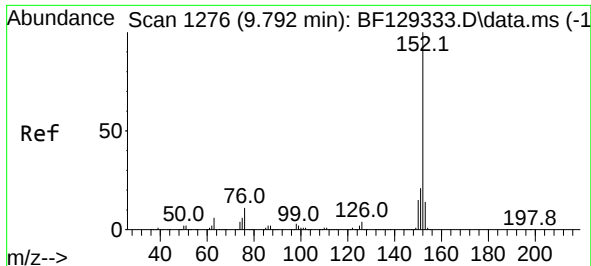
Ion Ratio Lower Upper

172 100

171 35.7 28.8 43.2

170 23.7 19.8 29.8





#49

Acenaphthylene

Concen: 3.865 ng

RT: 9.786 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129439.D

Acq: 29 Jul 2022 13:29

Instrument :

BNA_F

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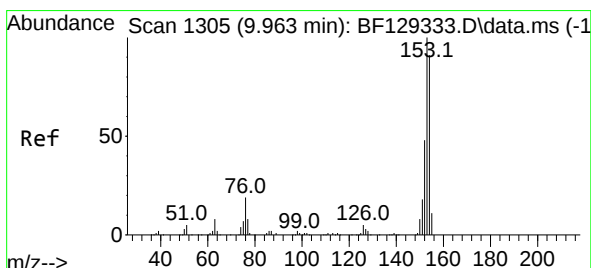
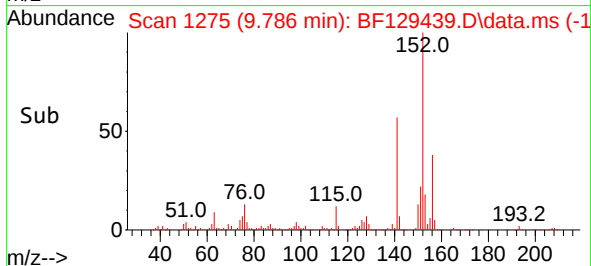
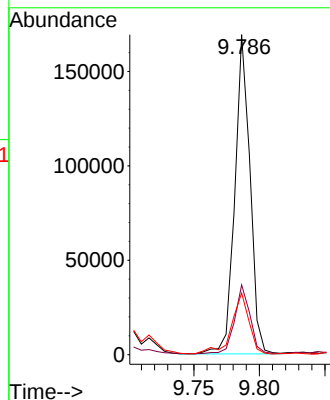
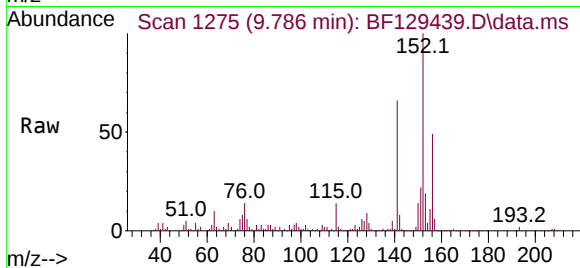
Tgt Ion:152 Resp: 136571

Ion Ratio Lower Upper

152 100

151 21.8 16.2 24.4

153 19.3 10.7 16.1#



#52

Acenaphthene

Concen: 15.994 ng

RT: 9.963 min Scan# 1305

Delta R.T. 0.000 min

Lab File: BF129439.D

Acq: 29 Jul 2022 13:29

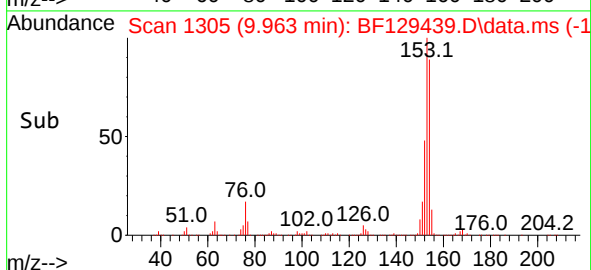
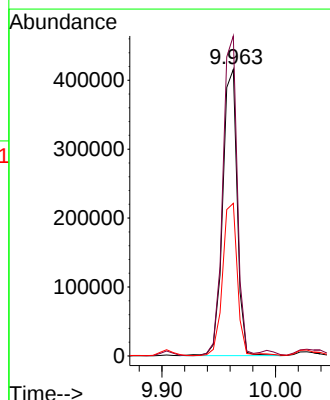
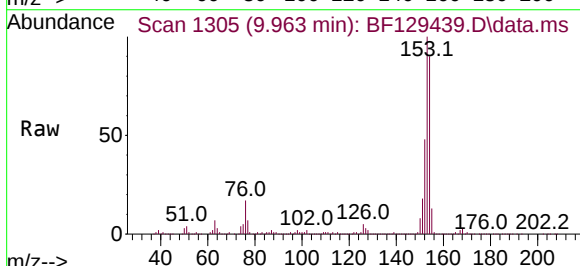
Tgt Ion:154 Resp: 369181

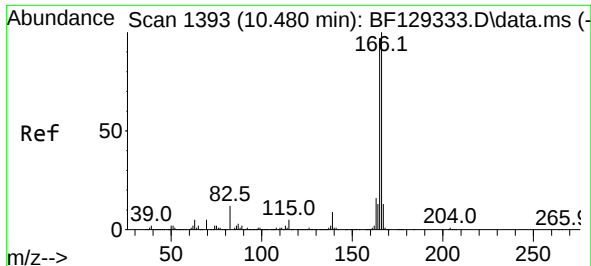
Ion Ratio Lower Upper

154 100

153 111.7 89.6 134.4

152 53.3 42.4 63.6

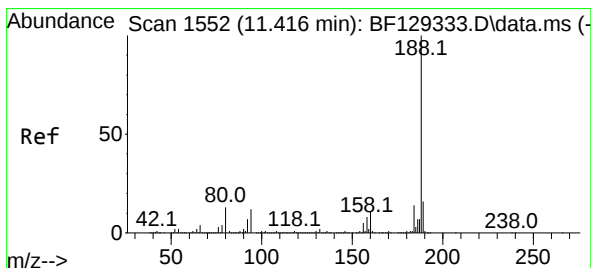
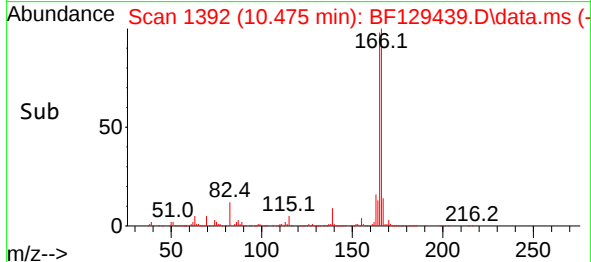
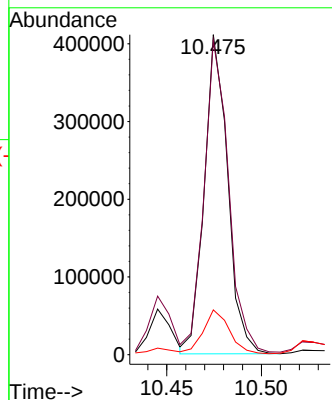
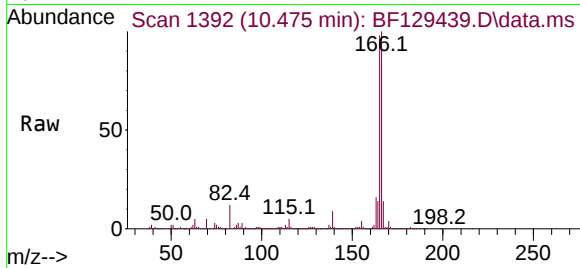




#58
 Fluorene
 Concen: 13.857 ng
 RT: 10.475 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF129439.D
 Acq: 29 Jul 2022 13:29

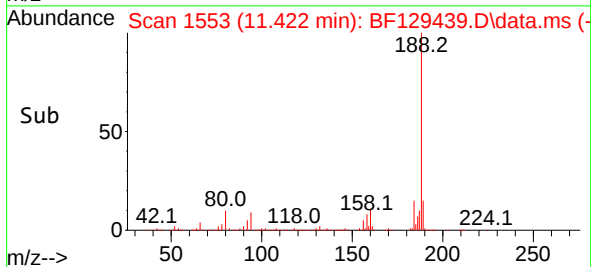
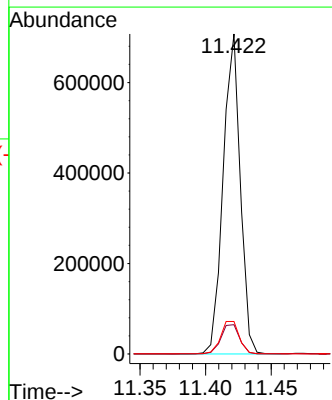
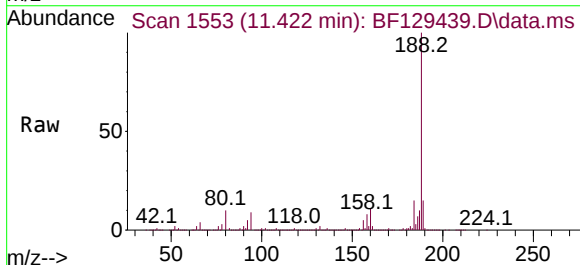
Instrument :
 BNA_F
 ClientSampleId :
 HMGP-SOIL-A

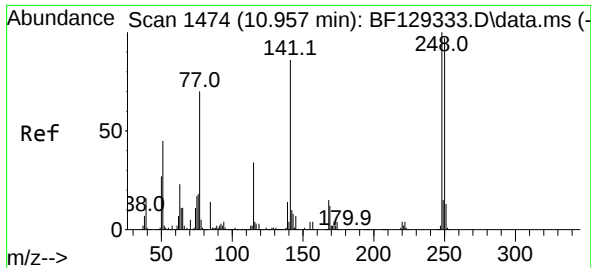
Tgt Ion:166 Resp: 352793
 Ion Ratio Lower Upper
 166 100
 165 98.4 78.1 117.1
 167 14.0 10.5 15.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.422 min Scan# 1553
 Delta R.T. 0.006 min
 Lab File: BF129439.D
 Acq: 29 Jul 2022 13:29

Tgt Ion:188 Resp: 639616
 Ion Ratio Lower Upper
 188 100
 94 9.2 7.0 10.6
 80 10.2 7.6 11.4

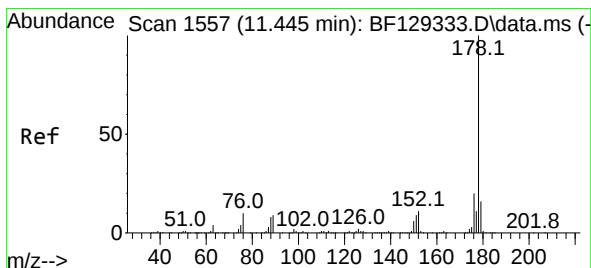
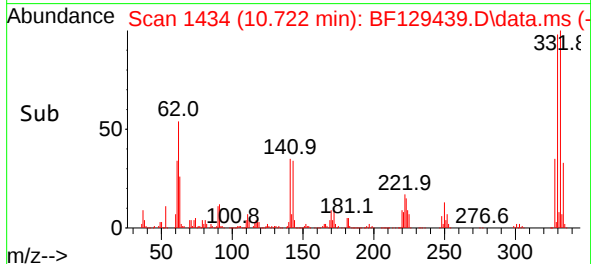
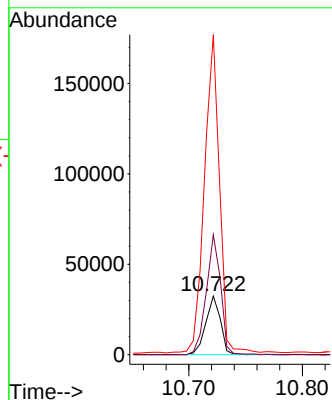
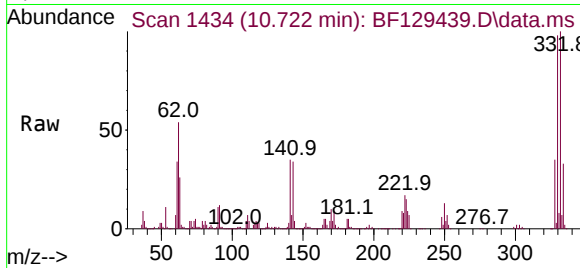




#67
4-Bromophenyl-phenylether
Concen: 4.149 ng
RT: 10.722 min Scan# 1474
Delta R.T. -0.235 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

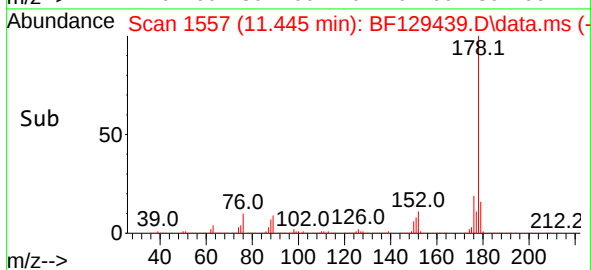
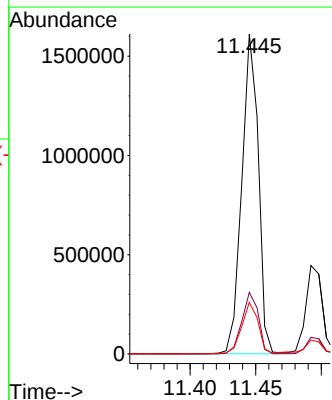
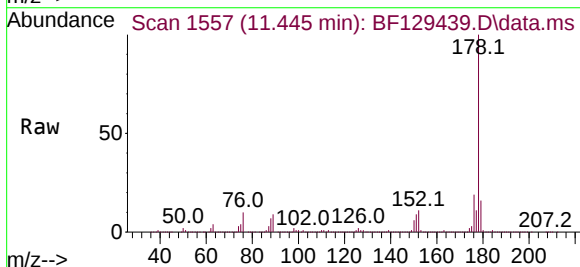
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-A

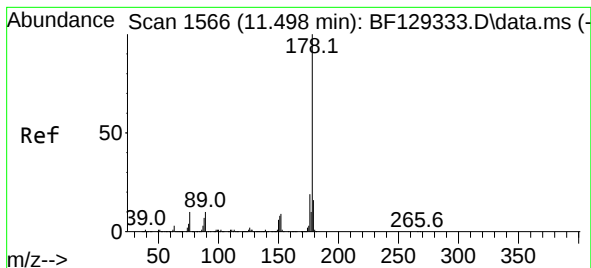
Tgt Ion:248 Resp: 29057
Ion Ratio Lower Upper
248 100
250 205.0 80.6 120.8#
141 546.2 58.9 88.3#



#71
Phenanthrene
Concen: 40.583 ng
RT: 11.445 min Scan# 1557
Delta R.T. 0.000 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

Tgt Ion:178 Resp: 1416959
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 16.1 12.6 19.0





#72

Anthracene

Concen: 10.906 ng

RT: 11.492 min Scan# 1565

Delta R.T. -0.006 min

Lab File: BF129439.D

Acq: 29 Jul 2022 13:29

Instrument :

BNA_F

ClientSampleId :

HMGP-SOIL-A

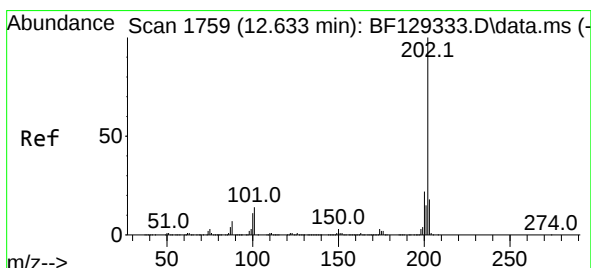
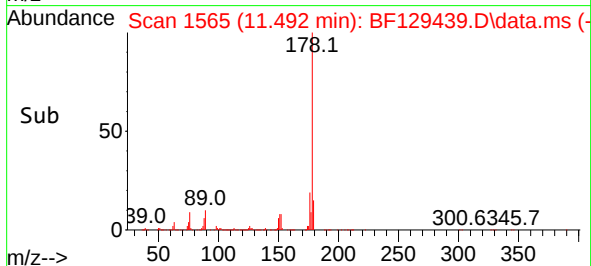
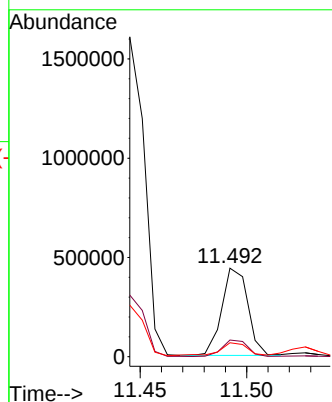
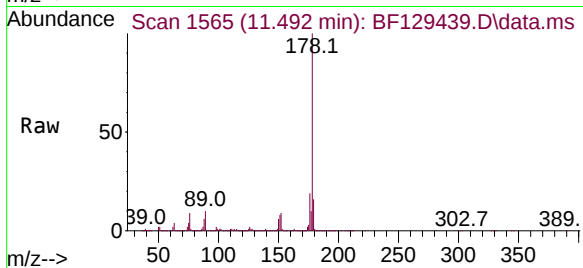
Tgt Ion:178 Resp: 374187

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

179 15.8 12.6 19.0



#75

Fluoranthene

Concen: 15.967 ng

RT: 12.633 min Scan# 1759

Delta R.T. 0.000 min

Lab File: BF129439.D

Acq: 29 Jul 2022 13:29

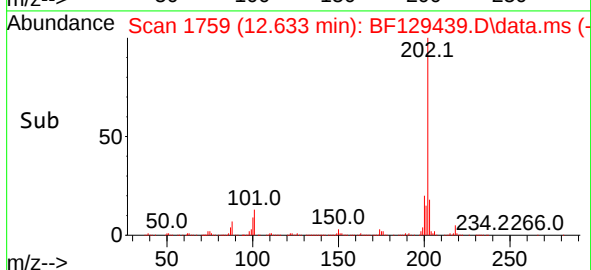
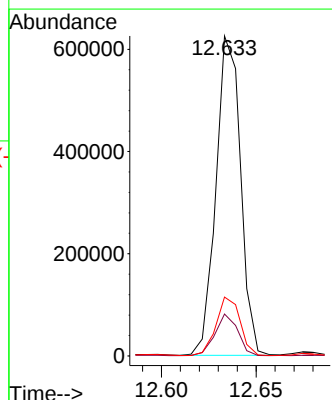
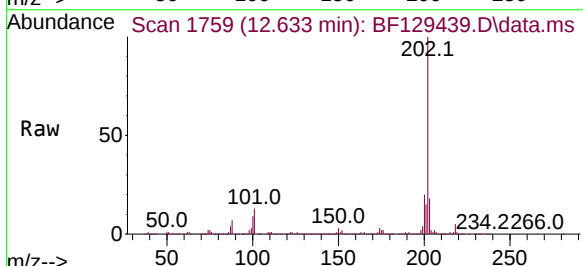
Tgt Ion:202 Resp: 564848

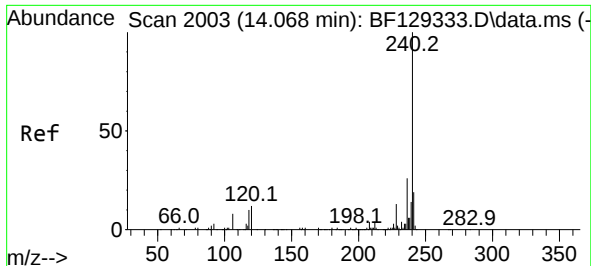
Ion Ratio Lower Upper

202 100

101 13.1 0.0 31.4

203 18.4 0.0 38.0

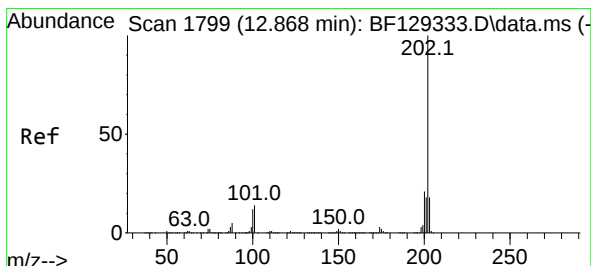
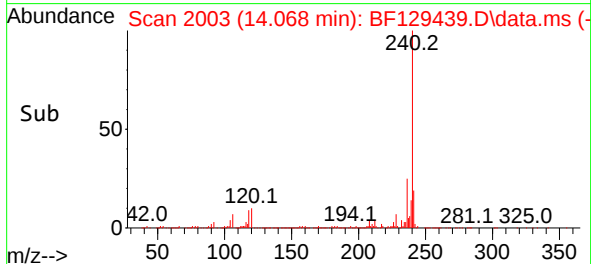
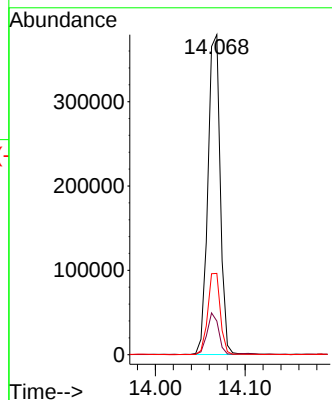
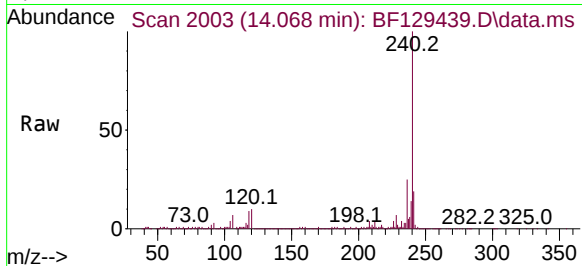




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2003
Delta R.T. 0.000 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

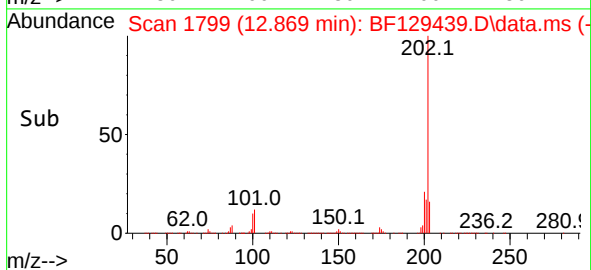
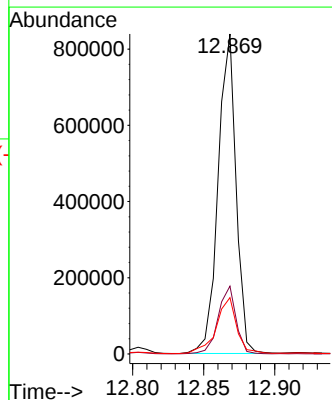
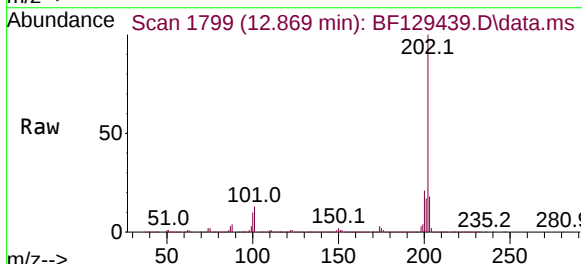
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-A

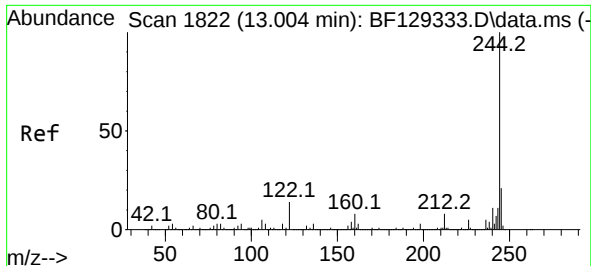
Tgt Ion:240 Resp: 362832
Ion Ratio Lower Upper
240 100
120 10.5 8.9 13.3
236 25.4 20.8 31.2



#78
Pyrene
Concen: 24.297 ng
RT: 12.869 min Scan# 1799
Delta R.T. 0.000 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

Tgt Ion:202 Resp: 737203
Ion Ratio Lower Upper
202 100
200 21.2 17.7 26.5
203 17.6 14.6 21.8

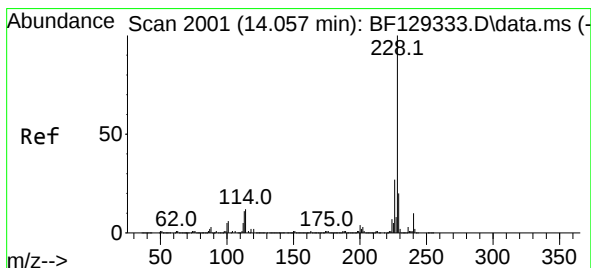
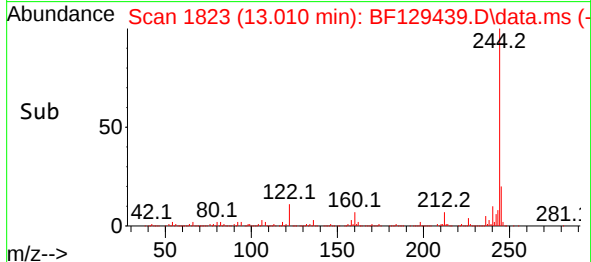
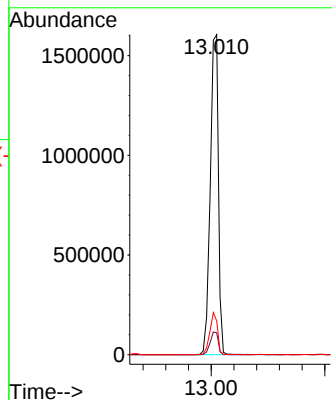
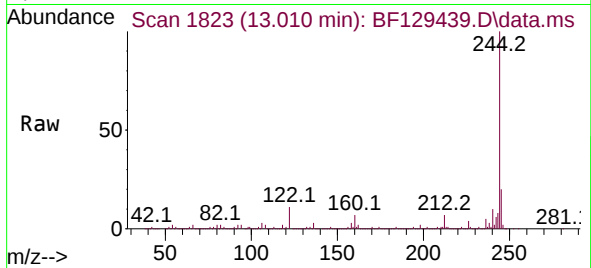




#79
 Terphenyl-d14
 Concen: 82.459 ng
 RT: 13.010 min Scan# 1823
 Delta R.T. 0.006 min
 Lab File: BF129439.D
 Acq: 29 Jul 2022 13:29

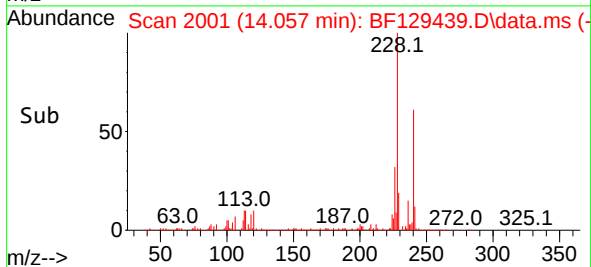
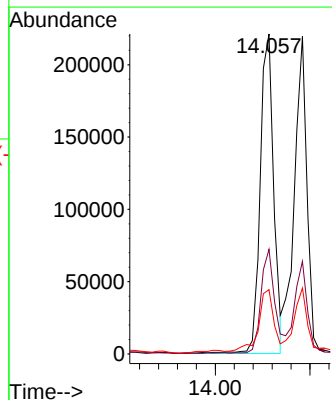
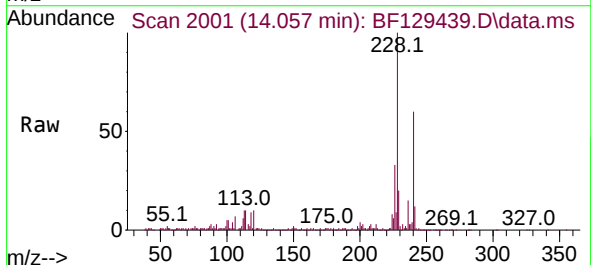
Instrument :
 BNA_F
 ClientSampleId :
 HMGP-SOIL-A

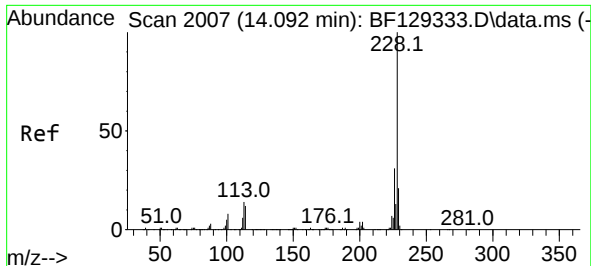
Tgt Ion:244 Resp: 1585876
 Ion Ratio Lower Upper
 244 100
 212 6.8 6.1 9.1
 122 10.6 8.8 13.2



#81
 Benzo(a)anthracene
 Concen: 8.832 ng
 RT: 14.057 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: BF129439.D
 Acq: 29 Jul 2022 13:29

Tgt Ion:228 Resp: 218908
 Ion Ratio Lower Upper
 228 100
 226 32.7 22.1 33.1
 229 20.1 15.8 23.8

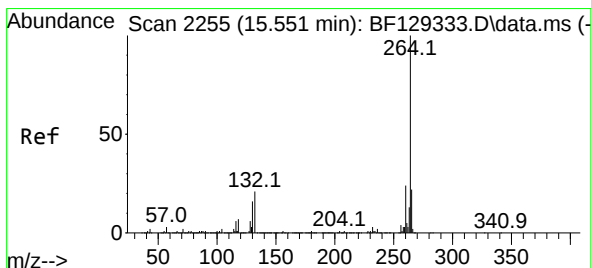
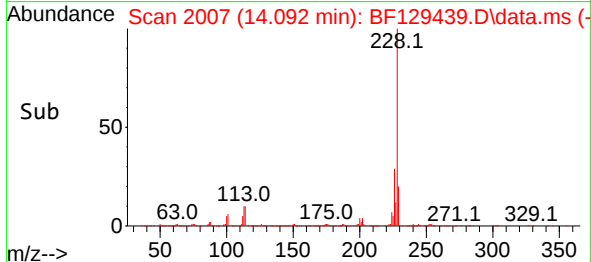
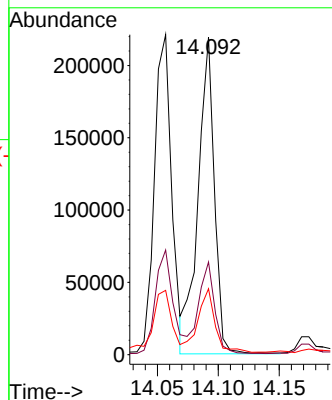
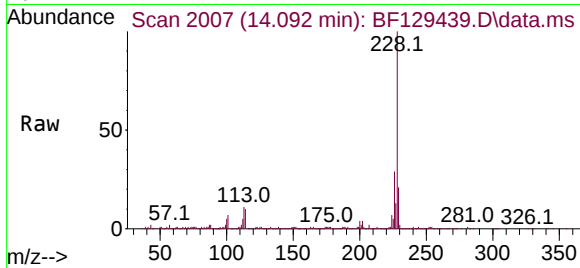




#83
Chrysene
Concen: 8.734 ng
RT: 14.092 min Scan# 2007
Delta R.T. 0.000 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

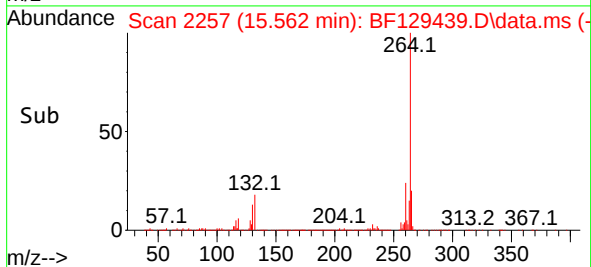
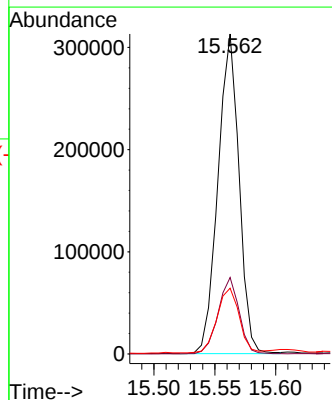
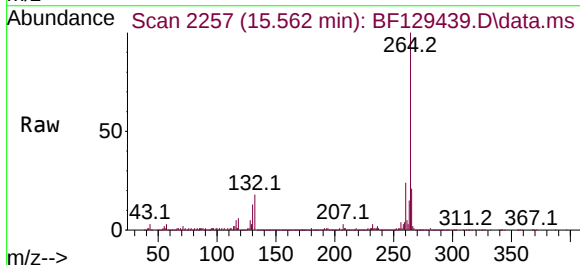
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-A

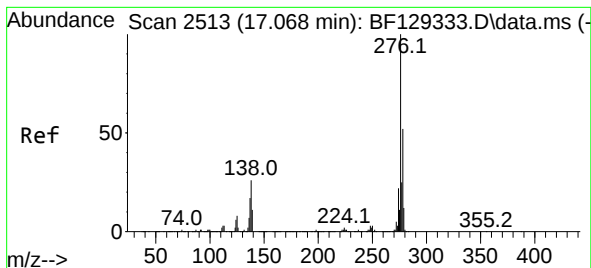
Tgt Ion:228 Resp: 204015
Ion Ratio Lower Upper
228 100
226 29.2 24.3 36.5
229 20.8 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2257
Delta R.T. 0.012 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

Tgt Ion:264 Resp: 377007
Ion Ratio Lower Upper
264 100
260 23.9 18.4 27.6
265 20.5 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.439 ng

RT: 17.074 min Scan# 2182

Delta R.T. 0.006 min

Lab File: BF129439.D

Acq: 29 Jul 2022 13:29

Instrument :

BNA_F

ClientSampleId :

HMGP-SOIL-A

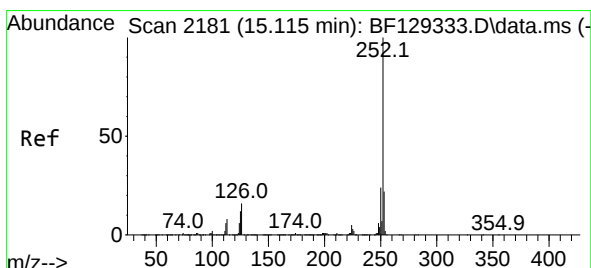
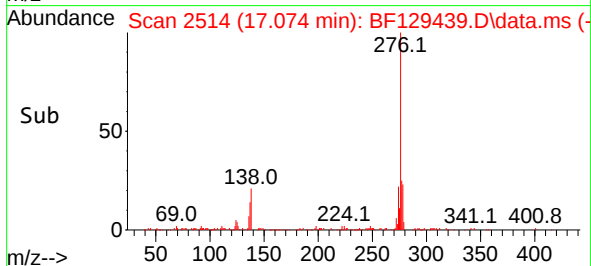
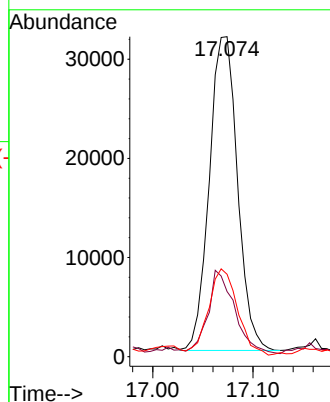
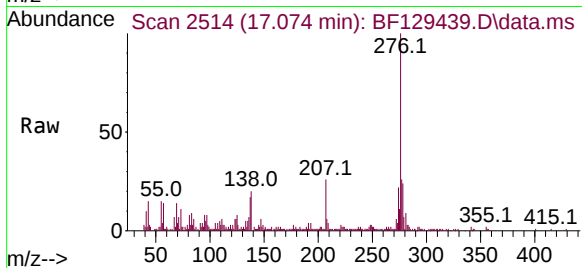
Tgt Ion:276 Resp: 61921

Ion Ratio Lower Upper

276 100

138 25.1 21.1 31.7

277 27.5 20.3 30.5



#88

Benzo(b)fluoranthene

Concen: 8.181 ng

RT: 15.121 min Scan# 2182

Delta R.T. 0.006 min

Lab File: BF129439.D

Acq: 29 Jul 2022 13:29

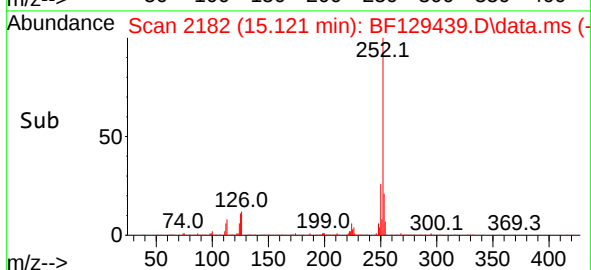
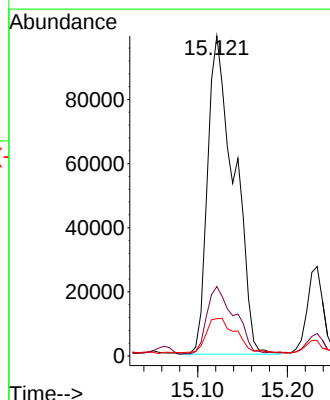
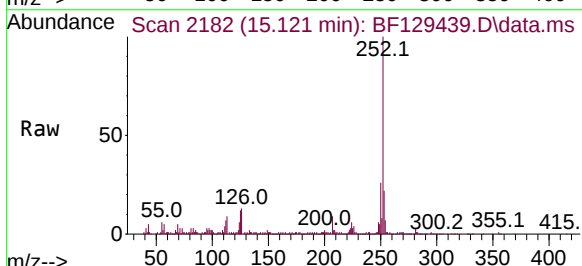
Tgt Ion:252 Resp: 204584

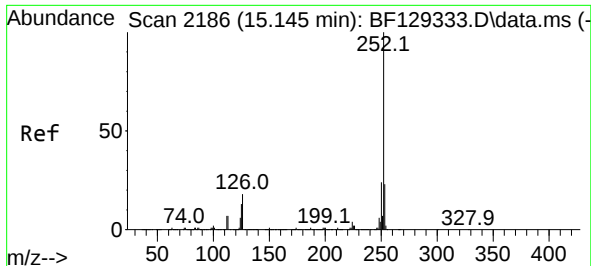
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 11.6 8.0 12.0

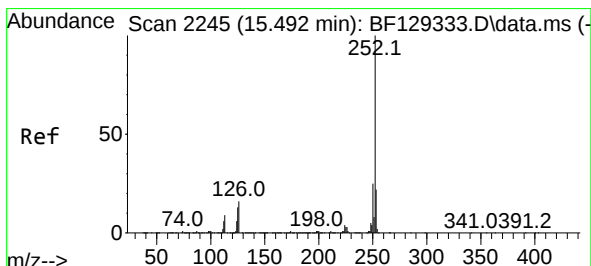
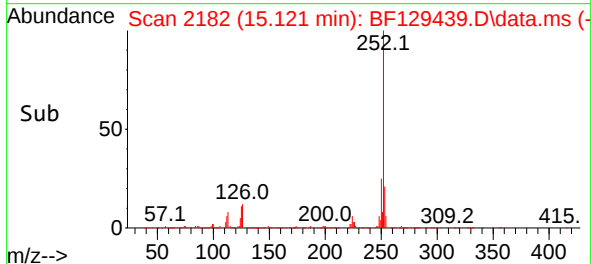
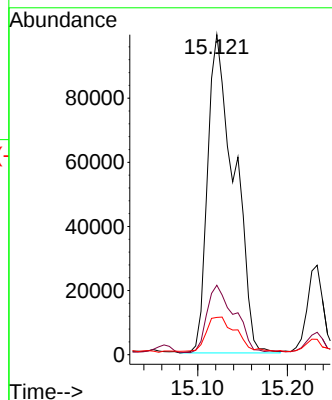
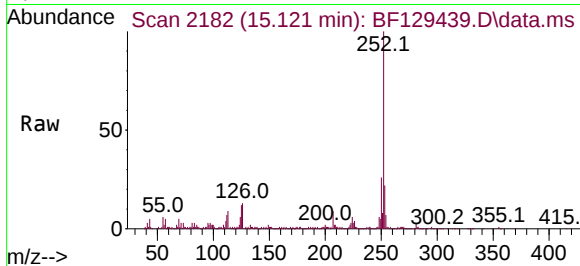




#89
Benzo(k)fluoranthene
Concen: 8.348 ng
RT: 15.121 min Scan# 2186
Delta R.T. -0.023 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

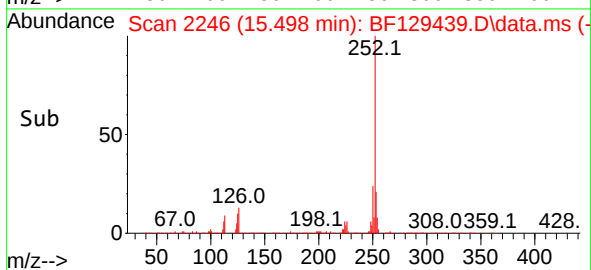
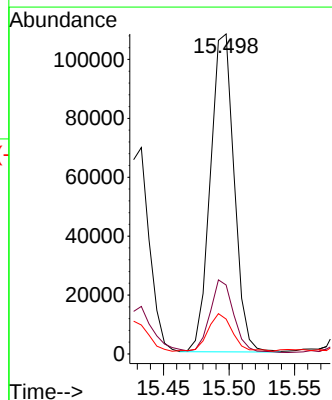
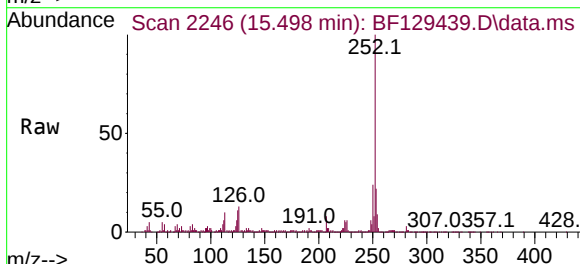
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-A

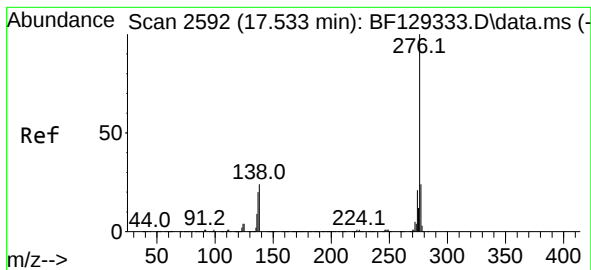
Tgt Ion:252 Resp: 204584
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.6
125 11.6 8.3 12.5



#90
Benzo(a)pyrene
Concen: 6.710 ng
RT: 15.498 min Scan# 2246
Delta R.T. 0.006 min
Lab File: BF129439.D
Acq: 29 Jul 2022 13:29

Tgt Ion:252 Resp: 136210
Ion Ratio Lower Upper
252 100
253 21.5 17.0 25.6
125 10.9 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 2.770 ng

RT: 17.533 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF129439.D

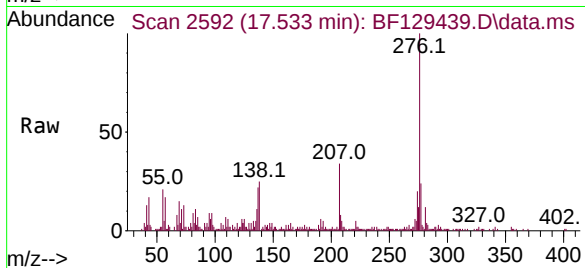
Acq: 29 Jul 2022 13:29

Instrument :

BNA_F

ClientSampleId :

HMGP-SOIL-A



Tgt Ion:276 Resp: 58482

Ion Ratio Lower Upper

276 100

277 24.1 19.1 28.7

138 25.3 18.0 27.0

