

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
 Data File : BF129440.D
 Acq On : 29 Jul 2022 14:02
 Operator : CG\JU
 Sample : N3964-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HMGP-SOIL-C

Quant Time: Jul 29 18:21:08 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)

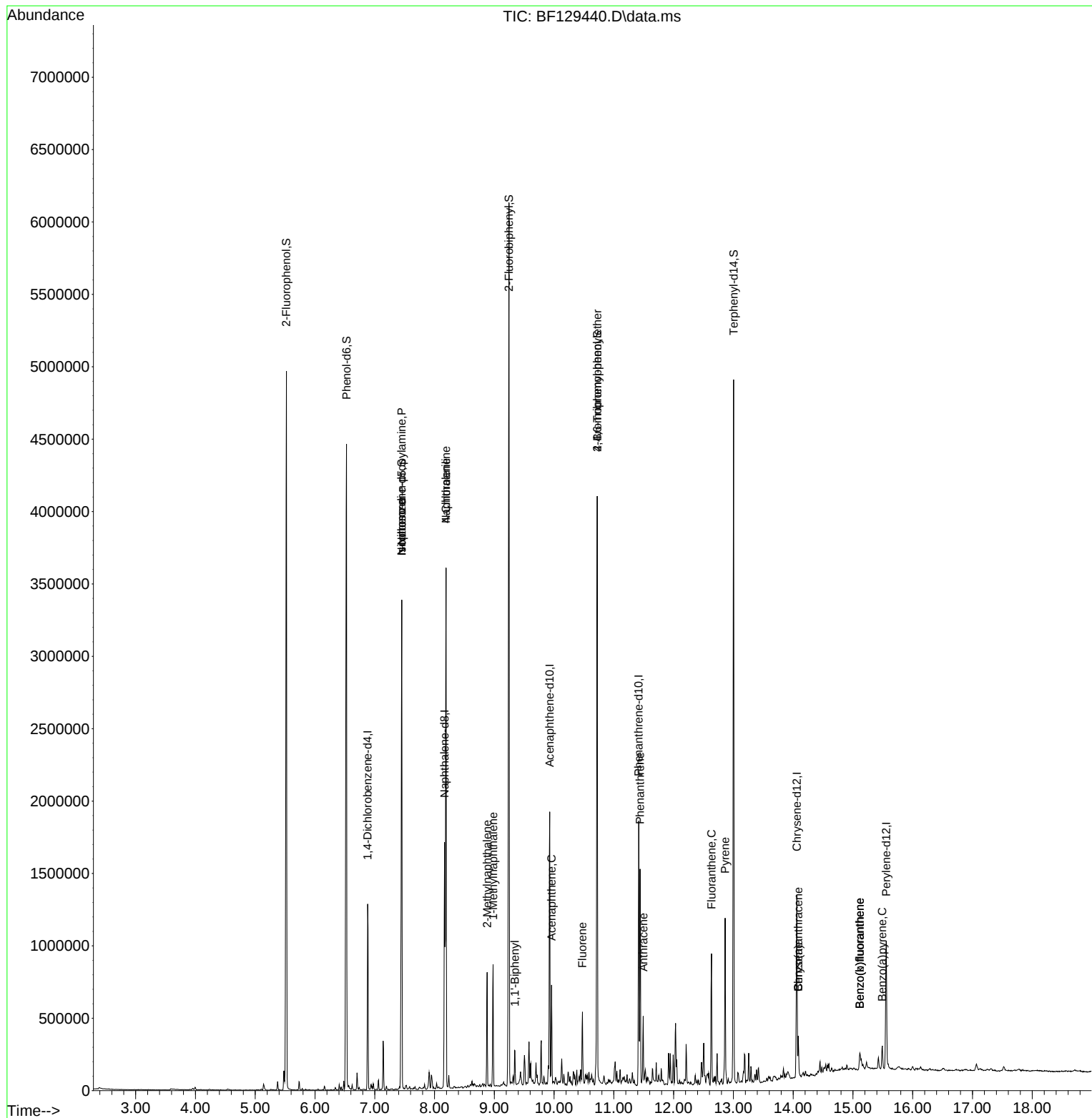
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	182691	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	727818	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	380900	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	620264	20.000	ng	# 0.00
76) Chrysene-d12	14.063	240	360495	20.000	ng	0.00
86) Perylene-d12	15.557	264	372798	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1373182	122.442	ng	0.02
7) Phenol-d6	6.528	99	1755858	124.560	ng	0.01
23) Nitrobenzene-d5	7.451	82	1099709	82.482	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	453542	123.849	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1826407	74.176	ng	0.00
79) Terphenyl-d14	13.004	244	1584085	82.900	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	147885	17.329	ng	# 74
25) Isophorone	7.451	82	1094699	45.805	ng	# 65
31) Naphthalene	8.192	128	1475840	39.912	ng	100
33) 4-Chloroaniline	8.192	127	194987	12.844	ng	# 32
37) 2-Methylnaphthalene	8.881	142	196644	8.183	ng	98
38) 1-Methylnaphthalene	8.981	142	209844	9.046	ng	97
46) 1,1'-Biphenyl	9.345	154	72730	2.616	ng	98
52) Acenaphthene	9.957	154	118521	5.314	ng	99
58) Fluorene	10.475	166	128486	5.223	ng	95
67) 4-Bromophenyl-phenylether	10.722	248	29223	4.303	ng	# 1
71) Phenanthrene	11.439	178	508535	15.019	ng	99
72) Anthracene	11.492	178	157395	4.730	ng	98
75) Fluoranthene	12.633	202	309274	9.015	ng	99
78) Pyrene	12.863	202	416278	13.809	ng	98
81) Benzo(a)anthracene	14.086	228	91851	3.730	ng	97
83) Chrysene	14.086	228	91851	3.958	ng	99
88) Benzo(b)fluoranthene	15.115	252	91080	3.683	ng	# 95
89) Benzo(k)fluoranthene	15.115	252	91080	3.758	ng	# 96
90) Benzo(a)pyrene	15.492	252	76422	3.807	ng	98

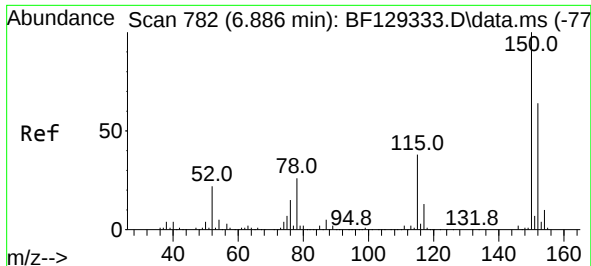
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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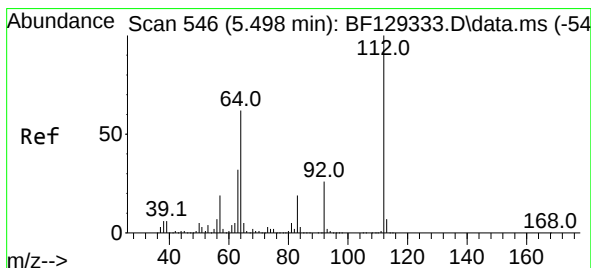
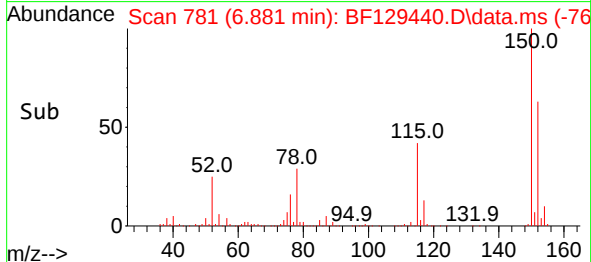
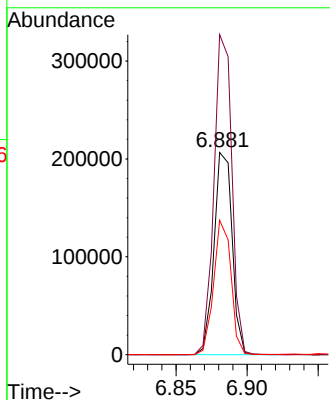
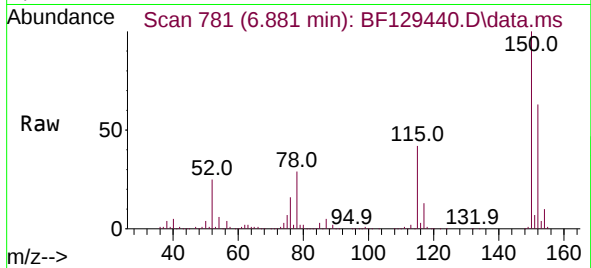




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF129440.D
Acq: 29 Jul 2022 14:02

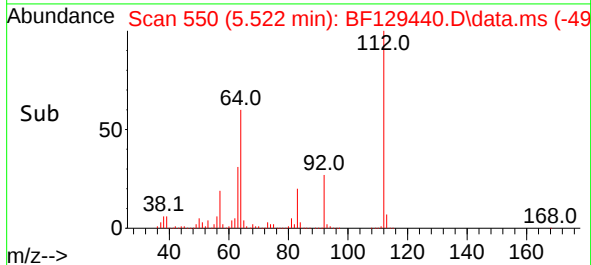
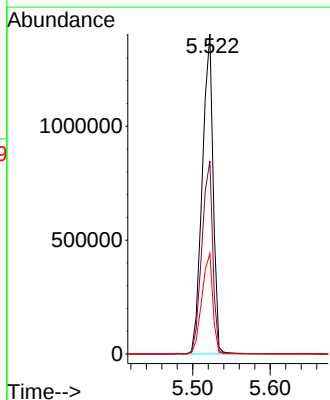
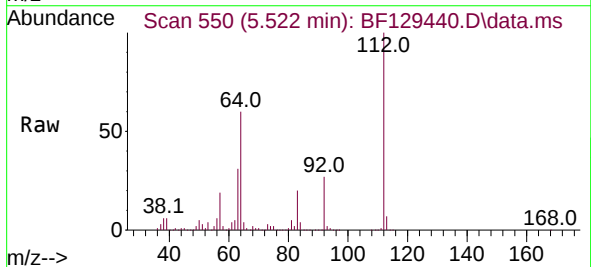
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BNA_F
ClientSampleId :
HMGP-SOIL-C

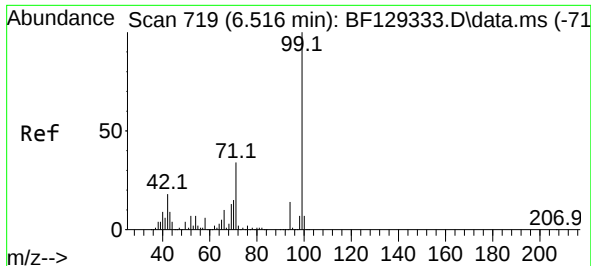
Tgt Ion:152 Resp: 182691
Ion Ratio Lower Upper
152 100
150 158.2 123.7 185.5
115 66.4 49.9 74.9



#5
2-Fluorophenol
Concen: 122.442 ng
RT: 5.522 min Scan# 550
Delta R.T. 0.024 min
Lab File: BF129440.D
Acq: 29 Jul 2022 14:02

Tgt Ion:112 Resp: 1373182
Ion Ratio Lower Upper
112 100
64 60.3 53.3 79.9
63 31.3 28.0 42.0

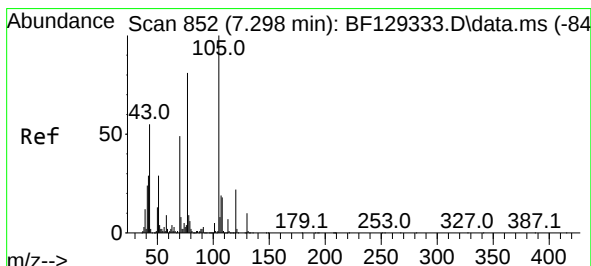
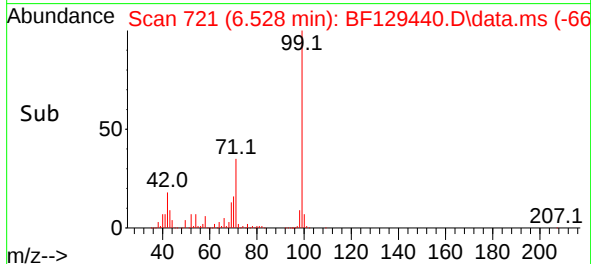
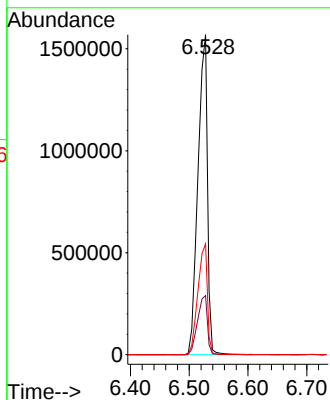
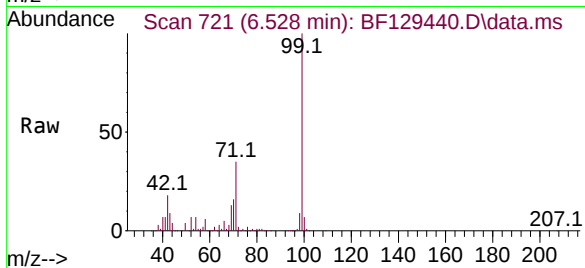




#7
Phenol-d6
Concen: 124.560 ng
RT: 6.528 min Scan# 719
Delta R.T. 0.012 min
Lab File: BF129440.D
Acq: 29 Jul 2022 14:02

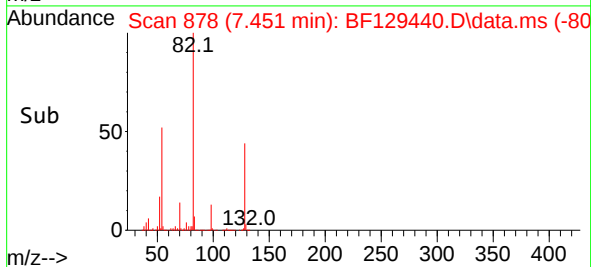
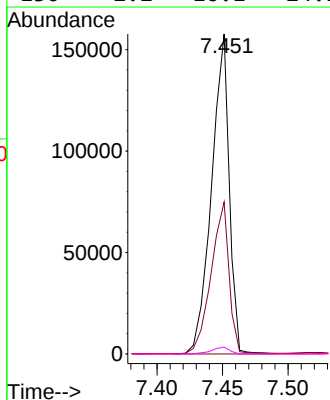
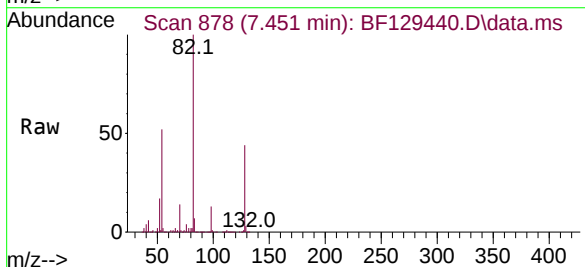
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

Tgt Ion: 99 Resp: 1755858
Ion Ratio Lower Upper
99 100
42 18.4 17.3 25.9
71 34.7 28.9 43.3



#19
n-Nitroso-di-n-propylamine
Concen: 17.329 ng
RT: 7.451 min Scan# 878
Delta R.T. 0.153 min
Lab File: BF129440.D
Acq: 29 Jul 2022 14:02

Tgt Ion: 70 Resp: 147885
Ion Ratio Lower Upper
70 100
42 47.4 52.3 78.5#
101 0.0 7.5 11.3#
130 2.2 16.1 24.1#

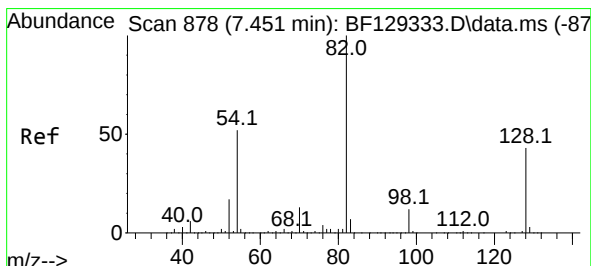
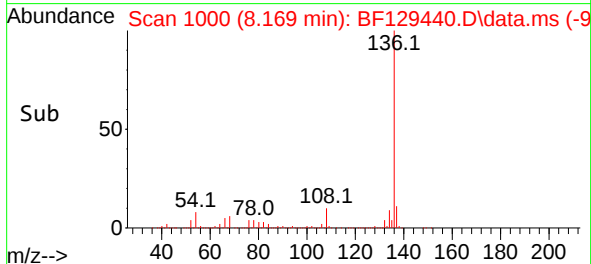
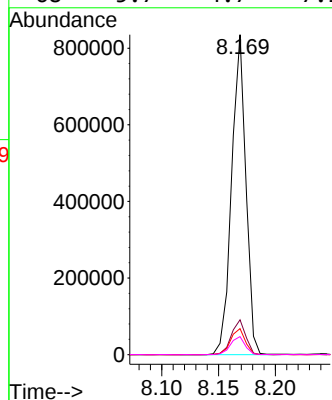
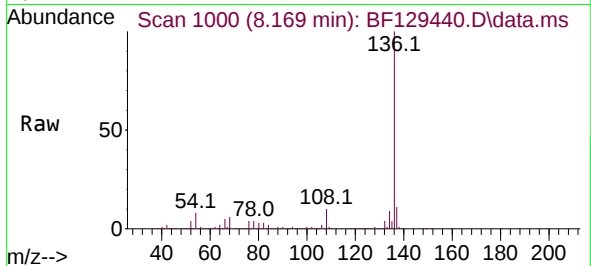




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF129440.D
Acq: 29 Jul 2022 14:02

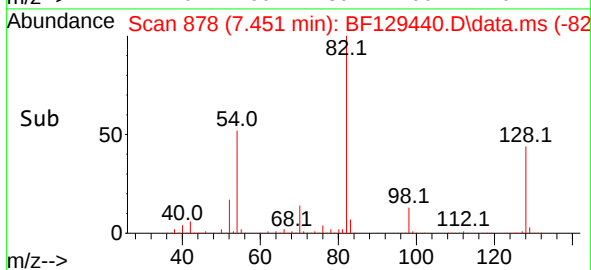
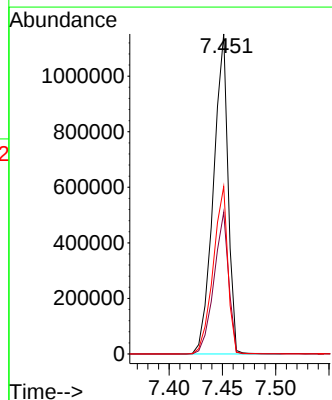
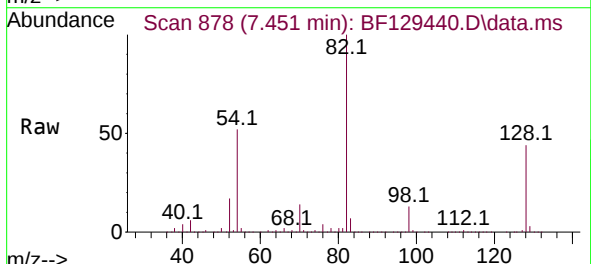
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

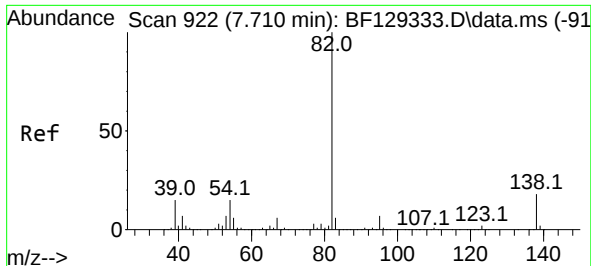
Tgt Ion:136 Resp: 727818
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.2 7.5 11.3
68 5.7 4.7 7.1



#23
Nitrobenzene-d5
Concen: 82.482 ng
RT: 7.451 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF129440.D
Acq: 29 Jul 2022 14:02

Tgt Ion: 82 Resp: 1099709
Ion Ratio Lower Upper
82 100
128 44.3 34.0 51.0
54 52.3 46.9 70.3

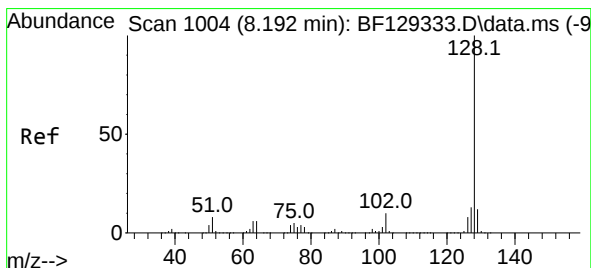
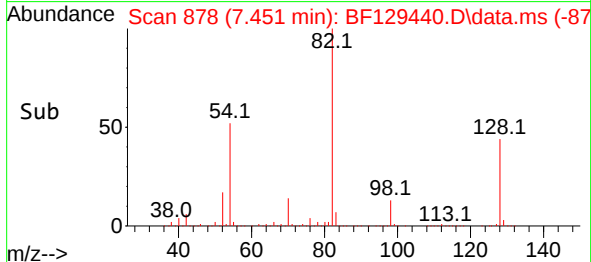
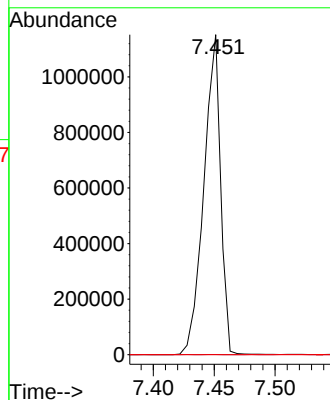
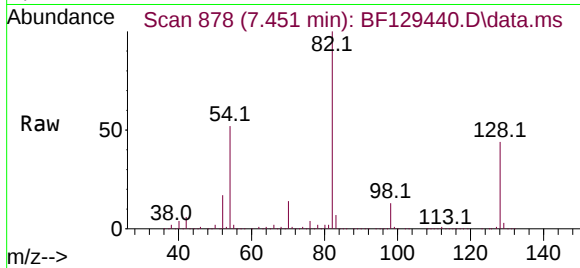




#25
Isophorone
Concen: 45.805 ng
RT: 7.451 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF129440.D
Acq: 29 Jul 2022 14:02

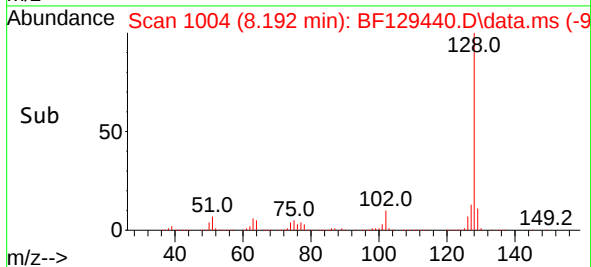
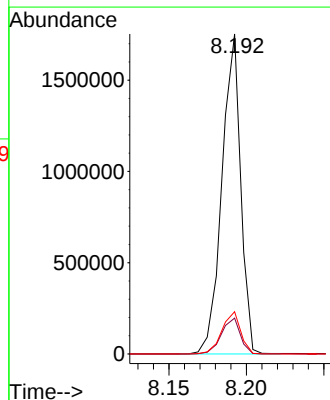
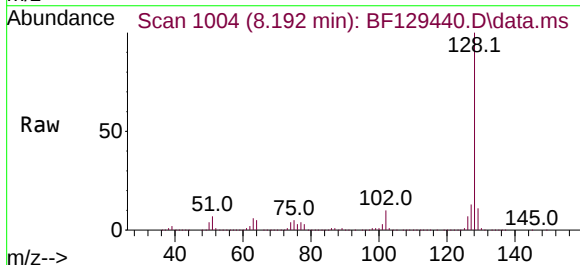
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

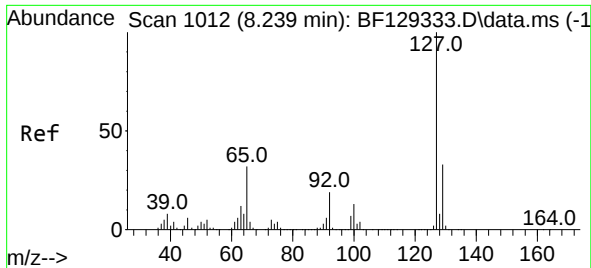
Tgt Ion: 82 Resp: 1094699
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 39.912 ng
RT: 8.192 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF129440.D
Acq: 29 Jul 2022 14:02

Tgt Ion:128 Resp: 1475840
Ion Ratio Lower Upper
128 100
129 11.2 9.2 13.8
127 13.2 10.5 15.7

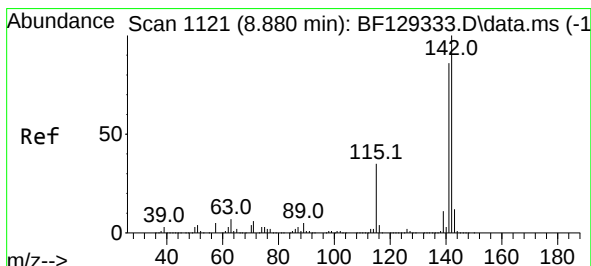
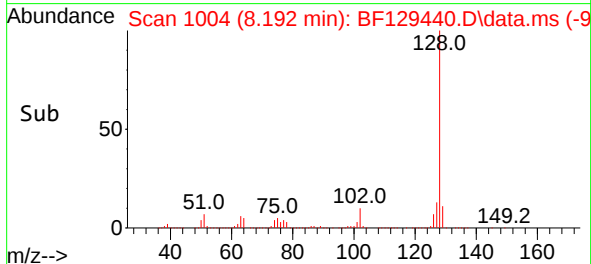
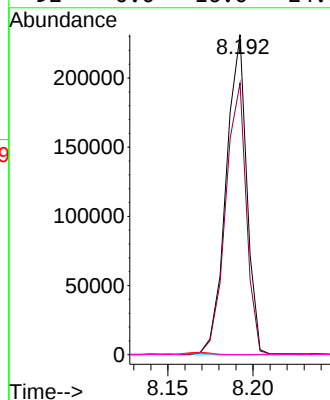
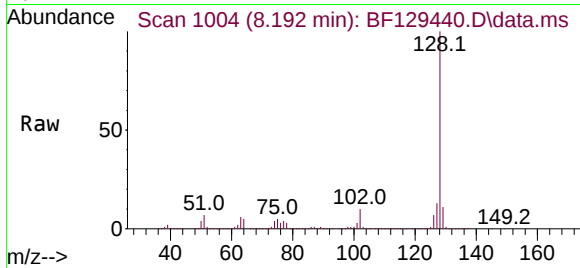




#33
4-Chloroaniline
Concen: 12.844 ng
RT: 8.192 min Scan# 1004
Delta R.T. -0.047 min
Lab File: BF129440.D
Acq: 29 Jul 2022 14:02

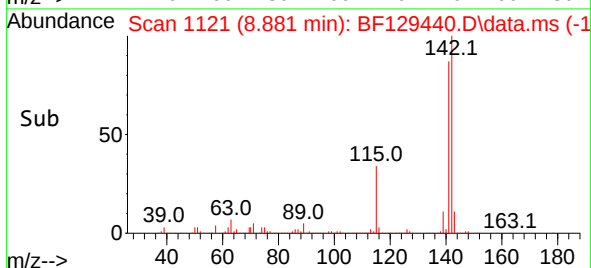
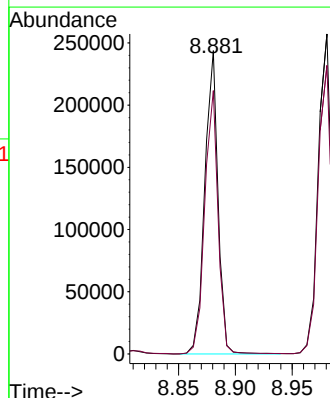
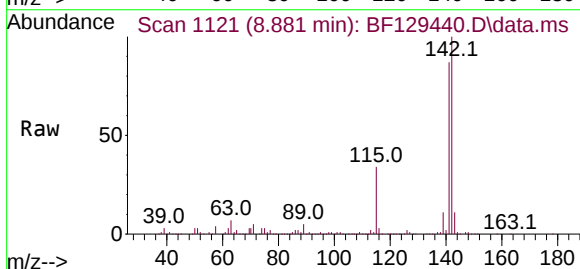
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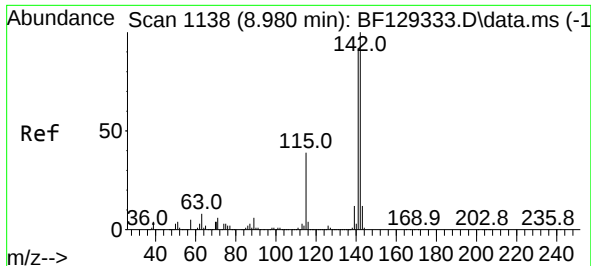
Tgt Ion:	127	Resp:	194987
Ion	Ratio	Lower	Upper
127	100		
129	84.9	26.4	39.6#
65	0.0	26.4	39.6#
92	0.0	16.0	24.0#



#37
2-Methylnaphthalene
Concen: 8.183 ng
RT: 8.881 min Scan# 1121
Delta R.T. 0.000 min
Lab File: BF129440.D
Acq: 29 Jul 2022 14:02

Tgt Ion:	142	Resp:	196644
Ion	Ratio	Lower	Upper
142	100		
141	86.8	71.0	106.4

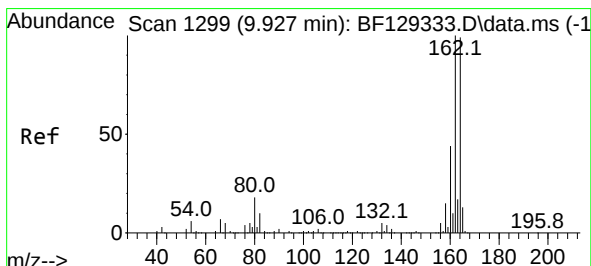
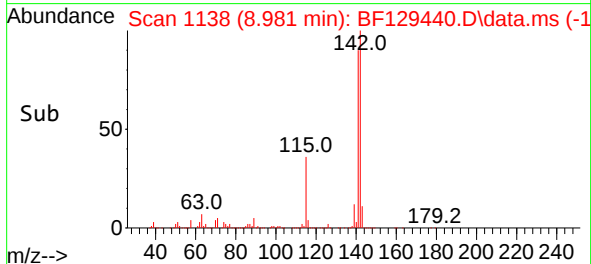
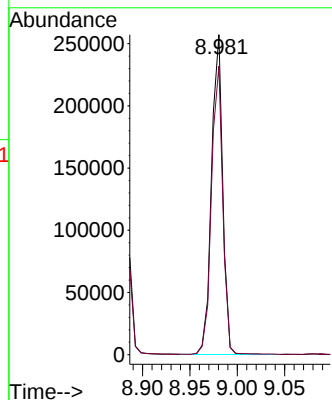
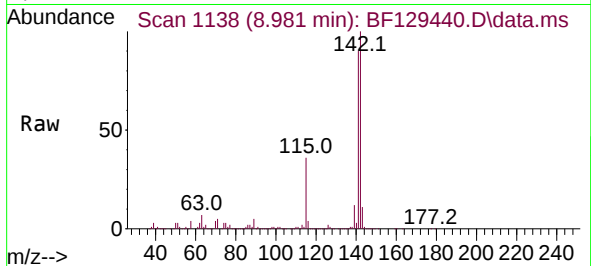




#38
1-Methylnaphthalene
Concen: 9.046 ng
RT: 8.981 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF129440.D
Acq: 29 Jul 2022 14:02

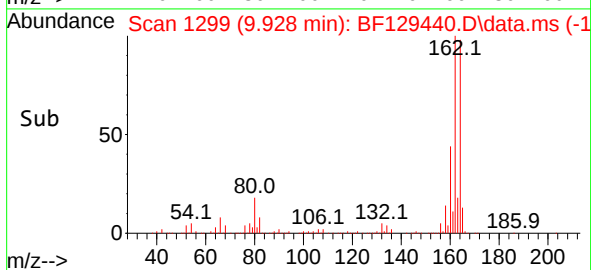
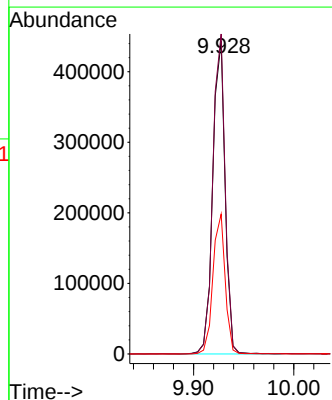
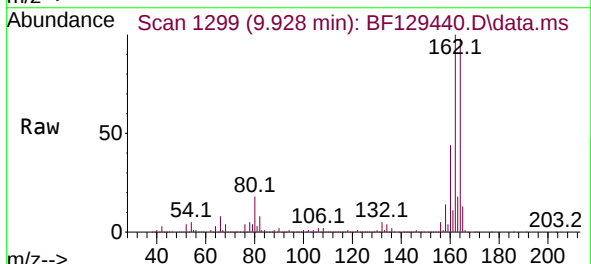
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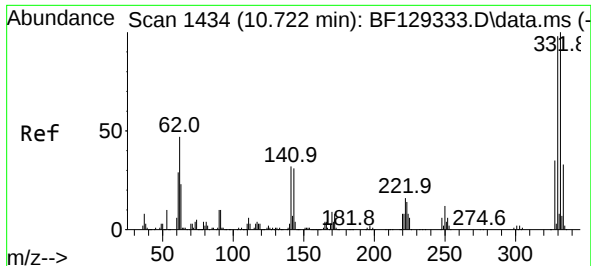
Tgt Ion:142 Resp: 209844
Ion Ratio Lower Upper
142 100
141 90.2 74.2 111.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1299
Delta R.T. 0.000 min
Lab File: BF129440.D
Acq: 29 Jul 2022 14:02

Tgt Ion:164 Resp: 380900
Ion Ratio Lower Upper
164 100
162 102.2 79.5 119.3
160 44.7 34.2 51.4





#42

2,4,6-Tribromophenol

Concen: 123.849 ng

RT: 10.722 min Scan# 1434

Delta R.T. 0.000 min

Lab File: BF129440.D

Acq: 29 Jul 2022 14:02

Instrument :

BNA_F

ClientSampleId :

HMGP-SOIL-C

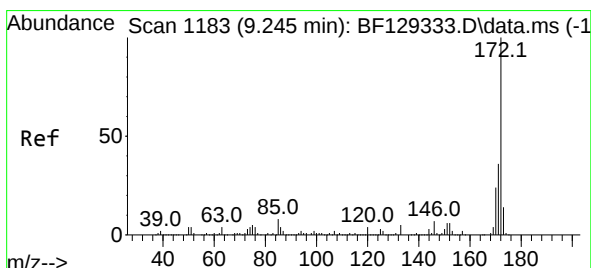
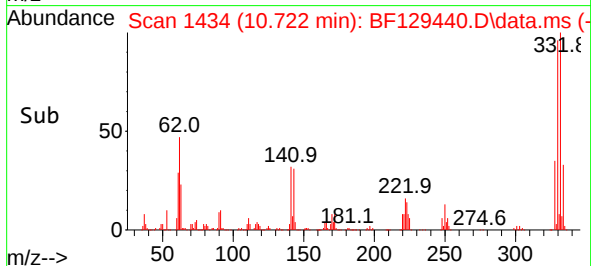
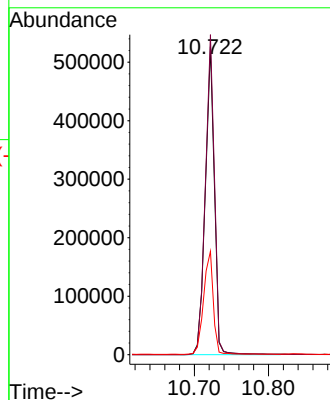
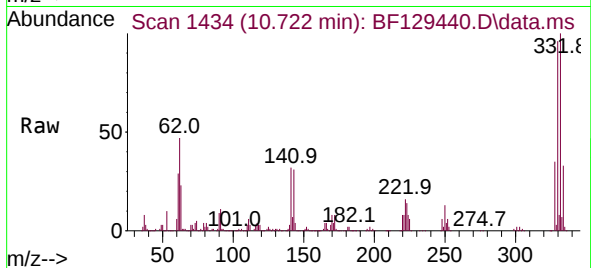
Tgt Ion:330 Resp: 453542

Ion Ratio Lower Upper

330 100

332 104.1 76.8 115.2

141 35.3 28.0 42.0



#45

2-Fluorobiphenyl

Concen: 74.176 ng

RT: 9.245 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF129440.D

Acq: 29 Jul 2022 14:02

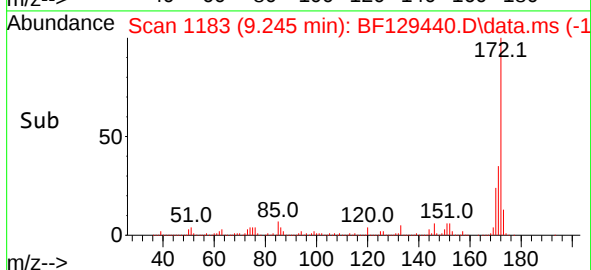
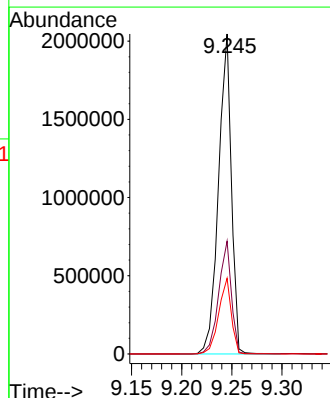
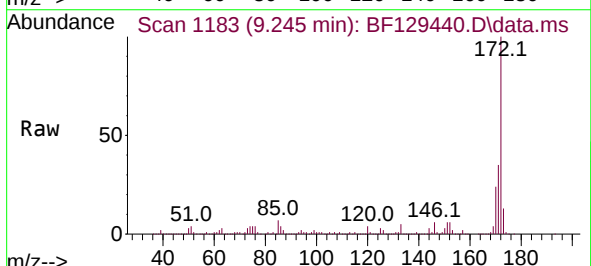
Tgt Ion:172 Resp: 1826407

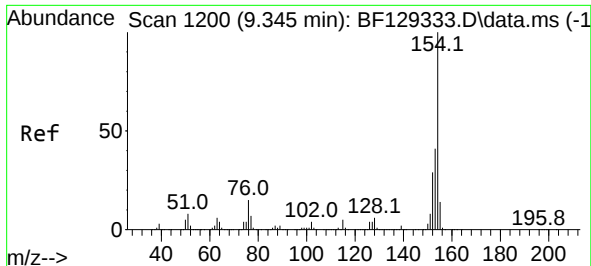
Ion Ratio Lower Upper

172 100

171 35.3 28.8 43.2

170 23.6 19.8 29.8

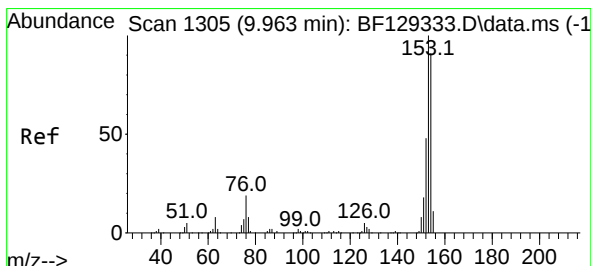
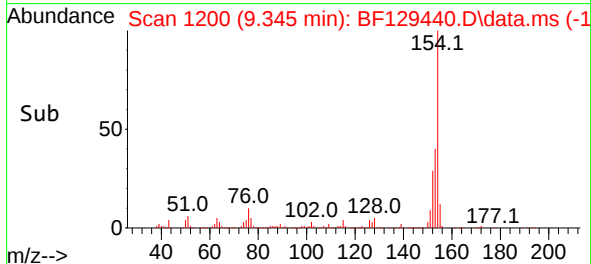
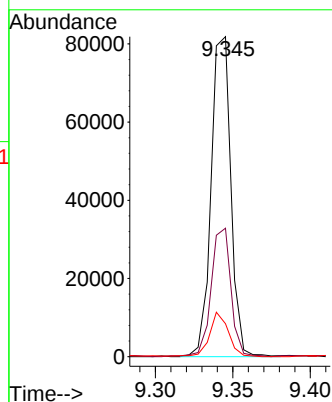
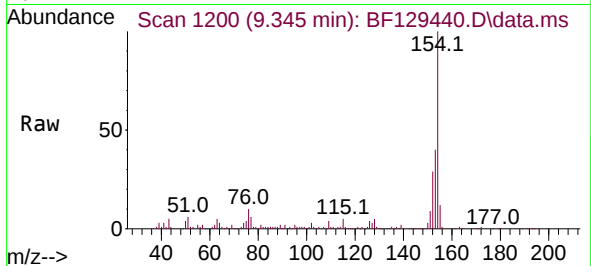




#46
1,1'-Biphenyl
Concen: 2.616 ng
RT: 9.345 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF129440.D
Acq: 29 Jul 2022 14:02

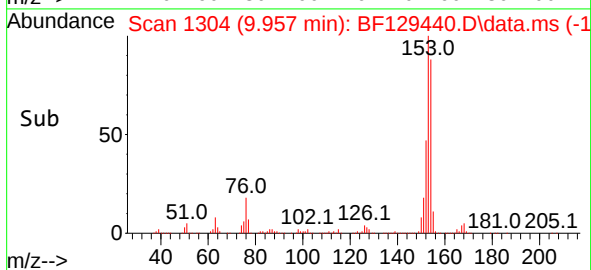
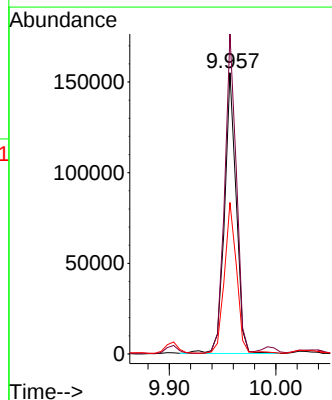
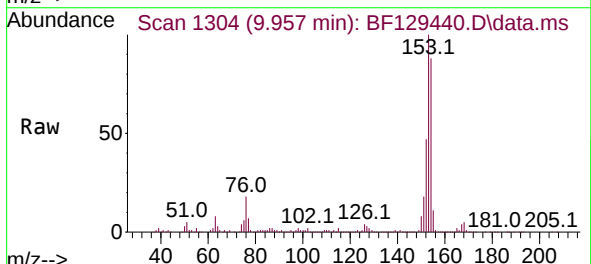
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

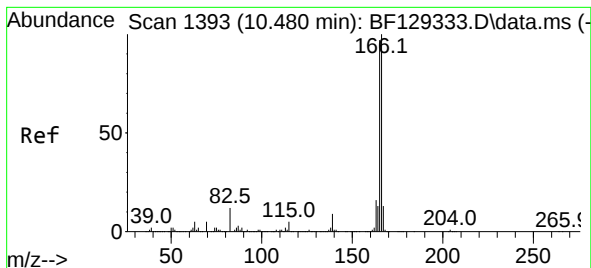
Tgt Ion:154 Resp: 72730
Ion Ratio Lower Upper
154 100
153 40.1 20.6 60.6
76 10.3 0.0 33.3



#52
Acenaphthene
Concen: 5.314 ng
RT: 9.957 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF129440.D
Acq: 29 Jul 2022 14:02

Tgt Ion:154 Resp: 118521
Ion Ratio Lower Upper
154 100
153 113.7 89.6 134.4
152 53.9 42.4 63.6





#58

Fluorene

Concen: 5.223 ng

RT: 10.475 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129440.D

Acq: 29 Jul 2022 14:02

Instrument :

BNA_F

ClientSampleId :

HMGP-SOIL-C

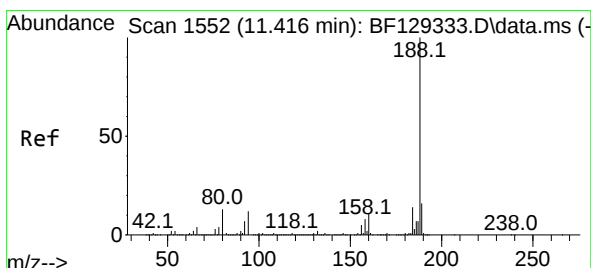
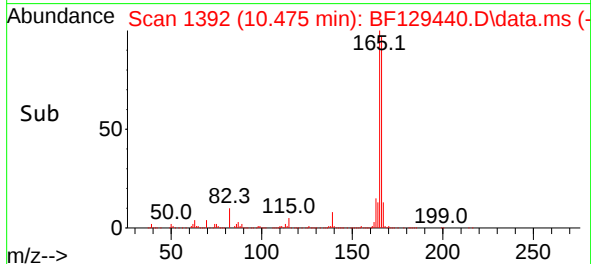
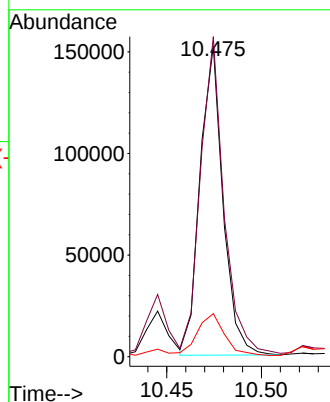
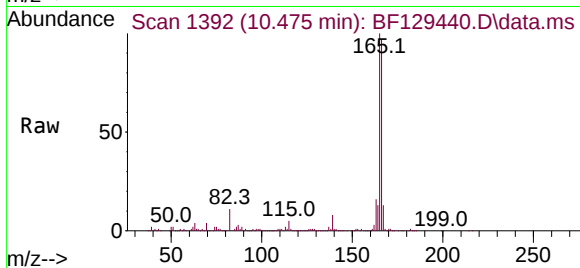
Tgt Ion:166 Resp: 128486

Ion Ratio Lower Upper

166 100

165 103.0 78.1 117.1

167 13.9 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1552

Delta R.T. 0.000 min

Lab File: BF129440.D

Acq: 29 Jul 2022 14:02

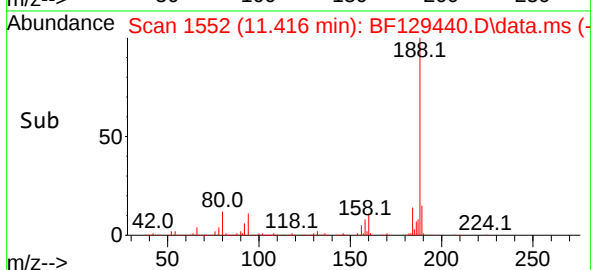
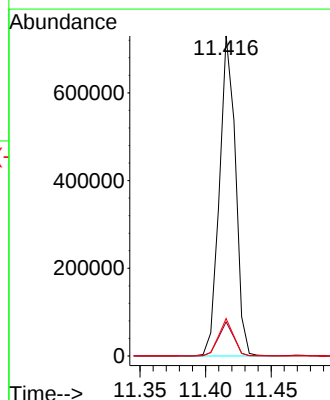
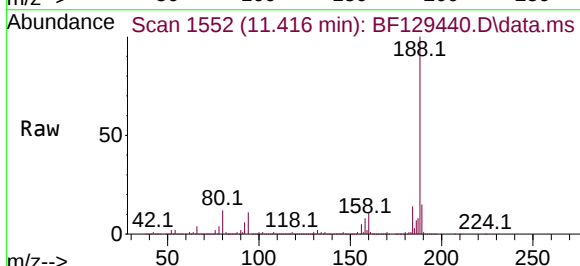
Tgt Ion:188 Resp: 620264

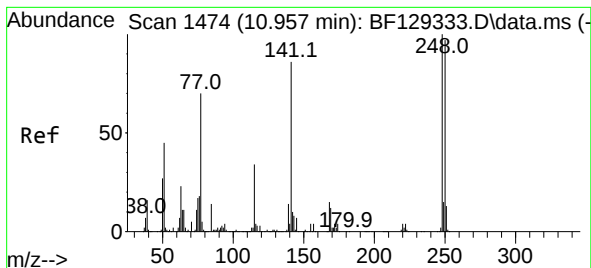
Ion Ratio Lower Upper

188 100

94 10.7 7.0 10.6#

80 11.7 7.6 11.4#

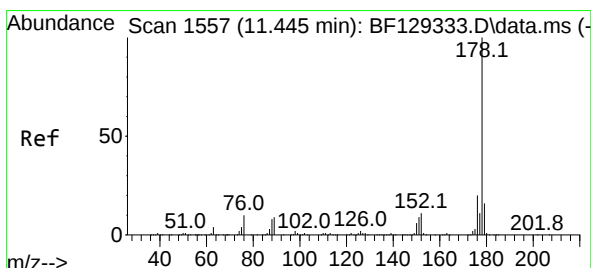
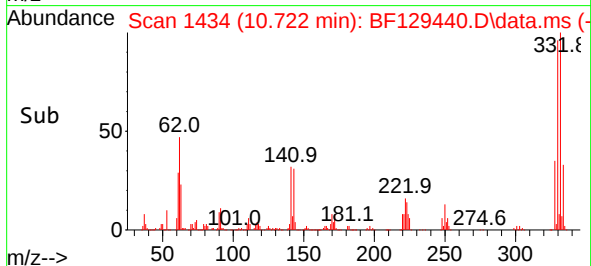
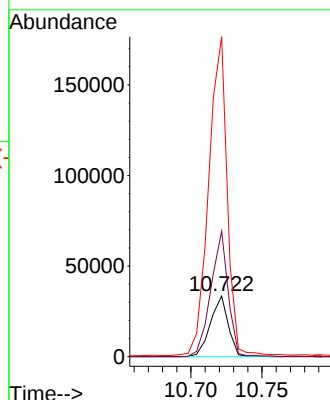
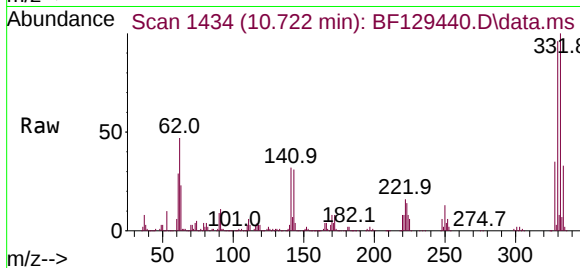




#67
4-Bromophenyl-phenylether
Concen: 4.303 ng
RT: 10.722 min Scan# 1474
Delta R.T. -0.235 min
Lab File: BF129440.D
Acq: 29 Jul 2022 14:02

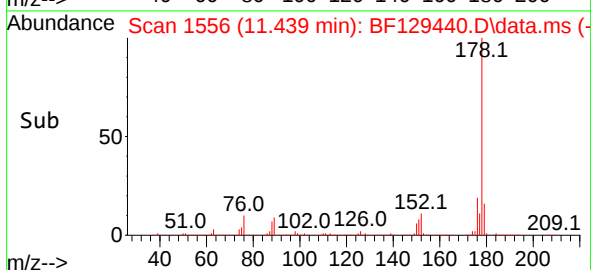
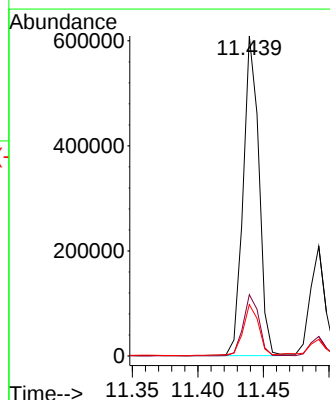
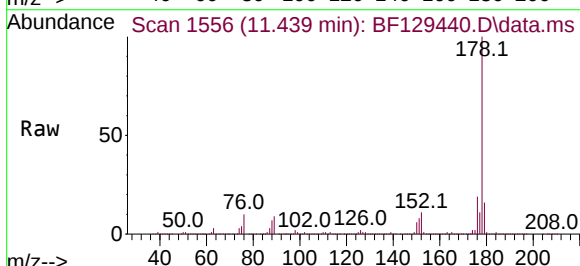
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

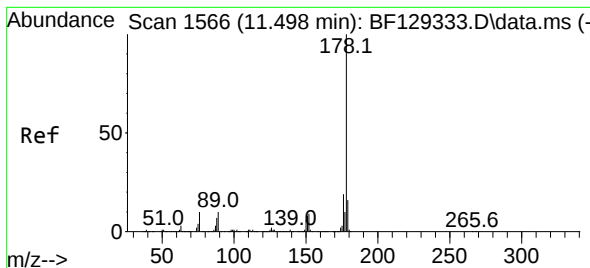
Tgt Ion:248 Resp: 29223
Ion Ratio Lower Upper
248 100
250 207.3 80.6 120.8#
141 528.2 58.9 88.3#



#71
Phenanthrene
Concen: 15.019 ng
RT: 11.439 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF129440.D
Acq: 29 Jul 2022 14:02

Tgt Ion:178 Resp: 508535
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 16.1 12.6 19.0





#72

Anthracene

Concen: 4.730 ng

RT: 11.492 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF129440.D

Acq: 29 Jul 2022 14:02

Instrument :

BNA_F

ClientSampleId :

HMGP-SOIL-C

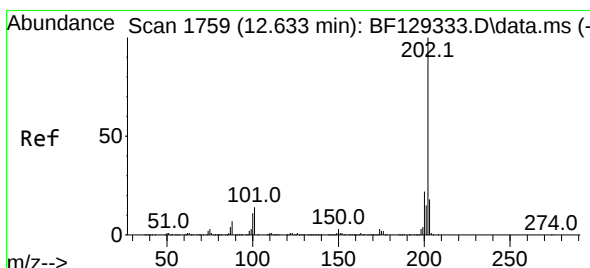
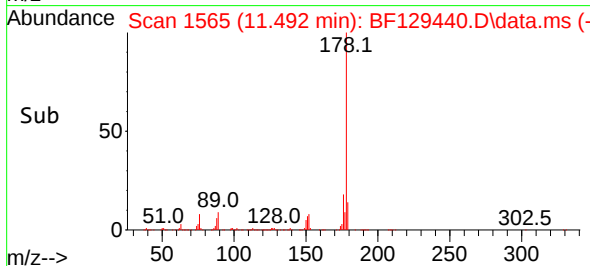
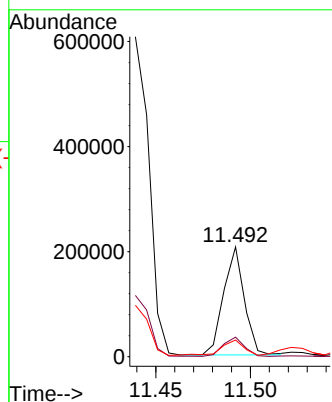
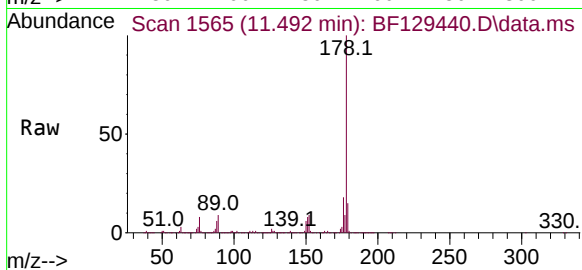
Tgt Ion:178 Resp: 157395

Ion Ratio Lower Upper

178 100

176 17.8 15.4 23.2

179 15.1 12.6 19.0



#75

Fluoranthene

Concen: 9.015 ng

RT: 12.633 min Scan# 1759

Delta R.T. 0.000 min

Lab File: BF129440.D

Acq: 29 Jul 2022 14:02

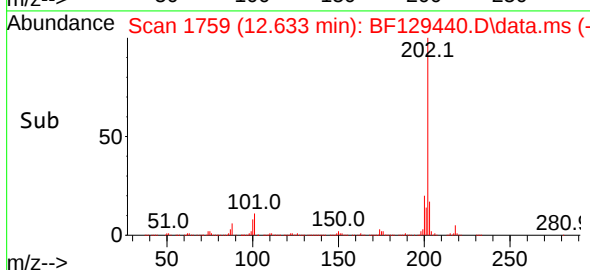
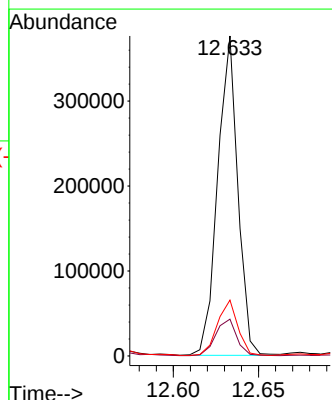
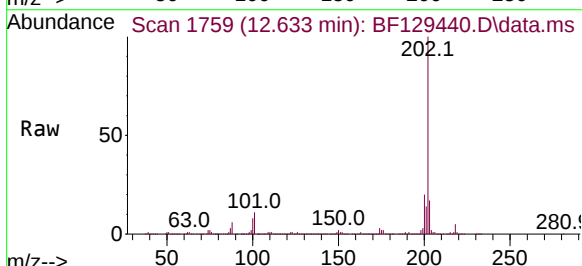
Tgt Ion:202 Resp: 309274

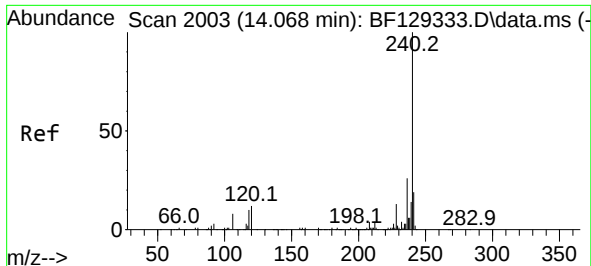
Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.4

203 17.4 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF129440.D

Acq: 29 Jul 2022 14:02

Instrument :

BNA_F

ClientSampleId :

HMGP-SOIL-C

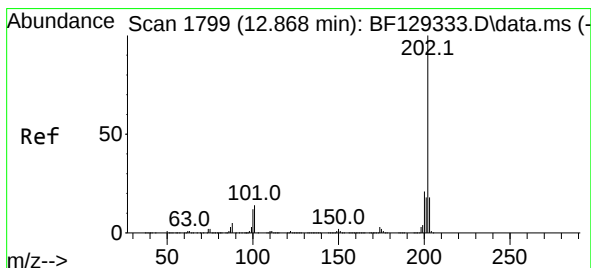
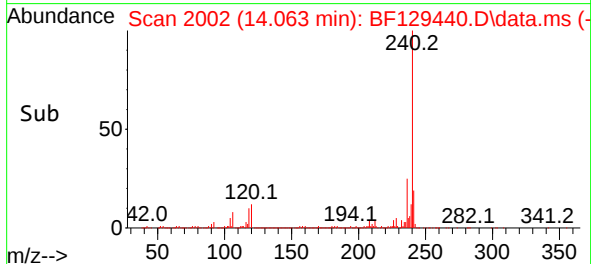
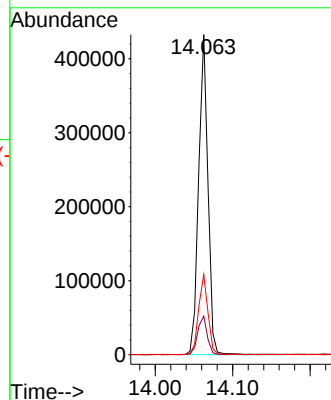
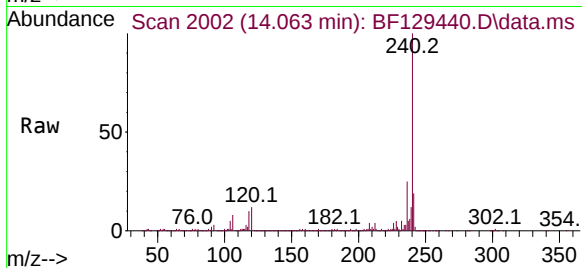
Tgt Ion:240 Resp: 360495

Ion Ratio Lower Upper

240 100

120 12.1 8.9 13.3

236 25.1 20.8 31.2



#78

Pyrene

Concen: 13.809 ng

RT: 12.863 min Scan# 1798

Delta R.T. -0.006 min

Lab File: BF129440.D

Acq: 29 Jul 2022 14:02

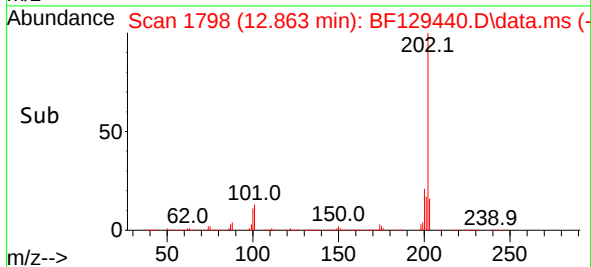
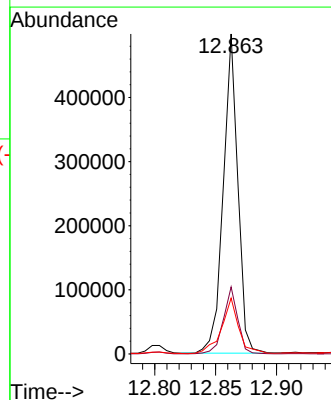
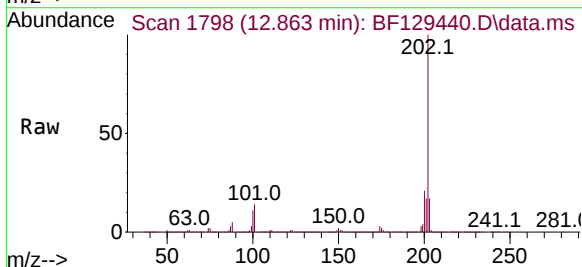
Tgt Ion:202 Resp: 416278

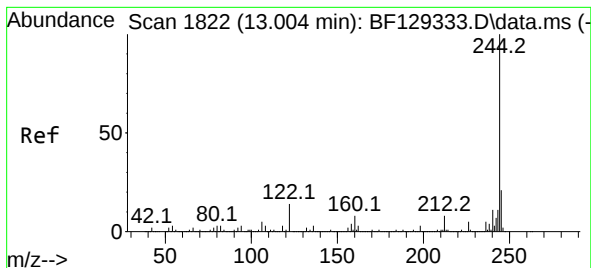
Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

203 17.5 14.6 21.8





#79

Terphenyl-d14

Concen: 82.900 ng

RT: 13.004 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF129440.D

Acq: 29 Jul 2022 14:02

Instrument :

BNA_F

ClientSampleId :

HMGP-SOIL-C

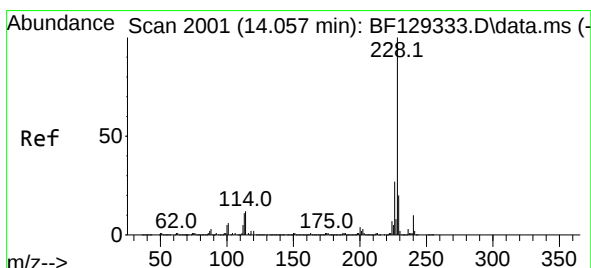
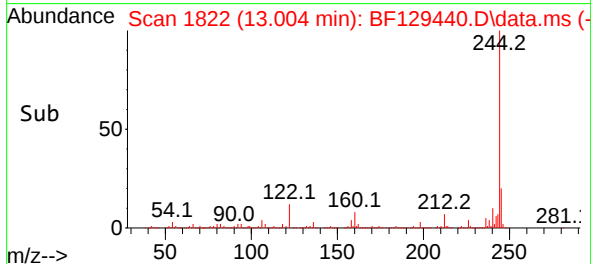
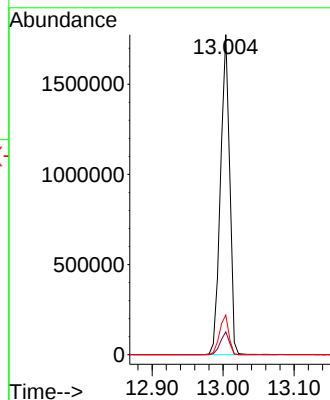
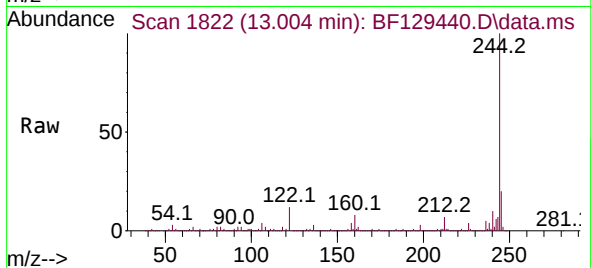
Tgt Ion:244 Resp: 1584085

Ion Ratio Lower Upper

244 100

212 7.1 6.1 9.1

122 12.4 8.8 13.2



#81

Benzo(a)anthracene

Concen: 3.730 ng

RT: 14.086 min Scan# 2006

Delta R.T. 0.029 min

Lab File: BF129440.D

Acq: 29 Jul 2022 14:02

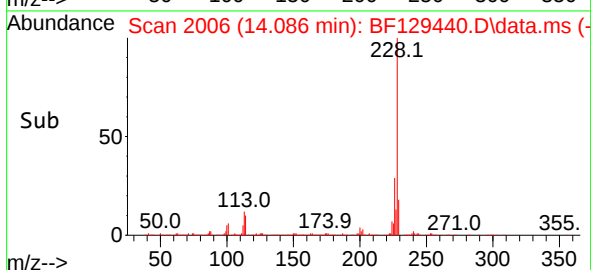
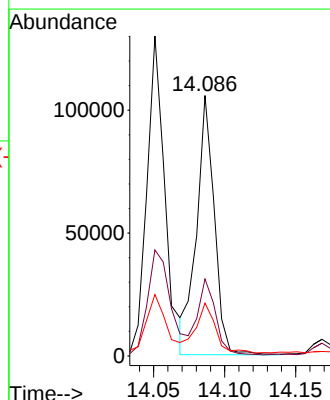
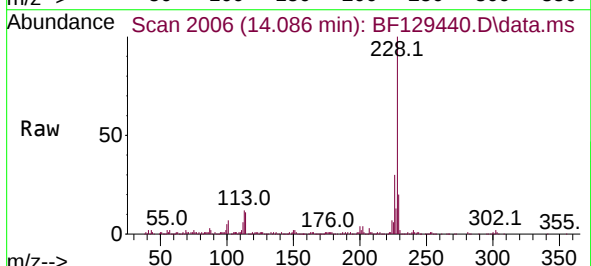
Tgt Ion:228 Resp: 91851

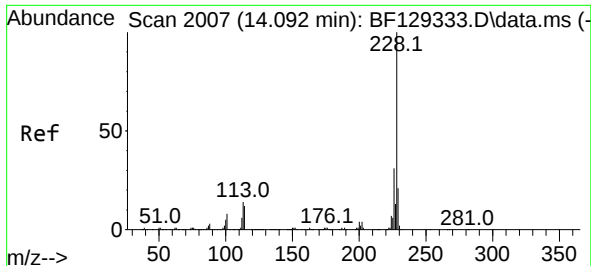
Ion Ratio Lower Upper

228 100

226 29.5 22.1 33.1

229 20.3 15.8 23.8

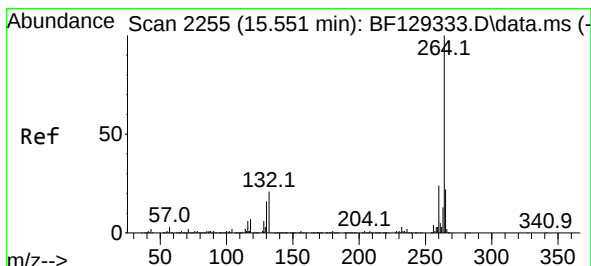
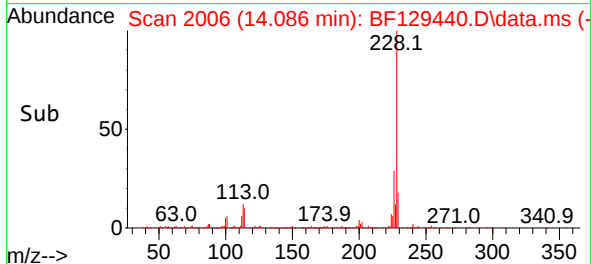
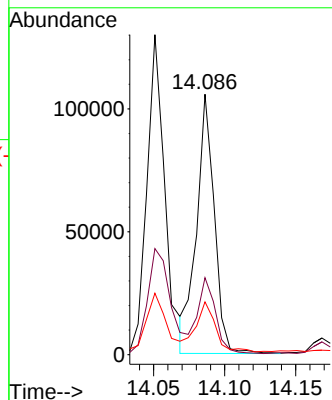
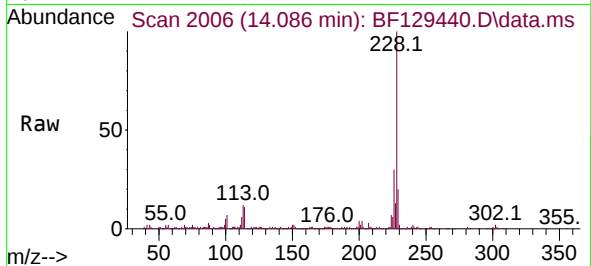




#83
Chrysene
Concen: 3.958 ng
RT: 14.086 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF129440.D
Acq: 29 Jul 2022 14:02

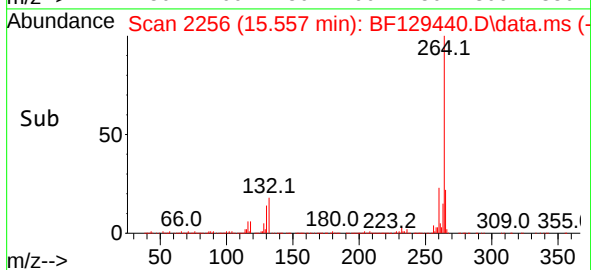
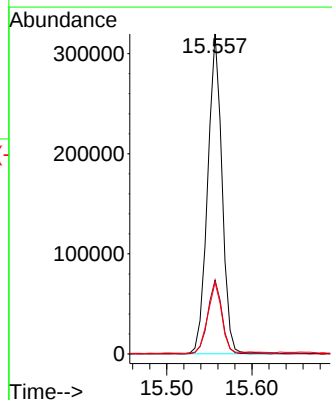
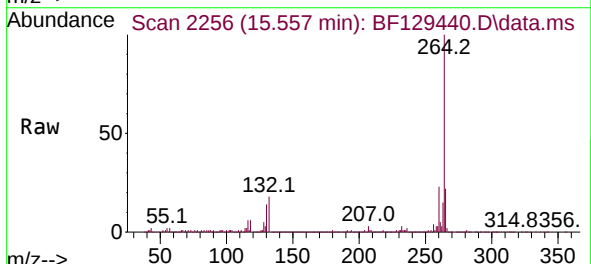
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

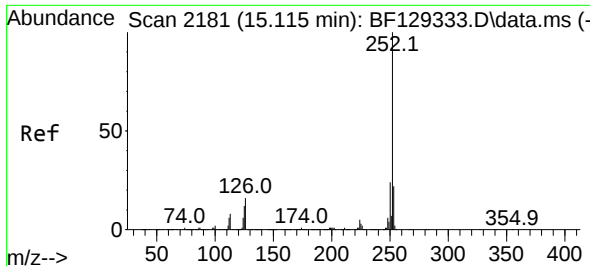
Tgt Ion:228 Resp: 91851
Ion Ratio Lower Upper
228 100
226 29.5 24.3 36.5
229 20.3 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2256
Delta R.T. 0.006 min
Lab File: BF129440.D
Acq: 29 Jul 2022 14:02

Tgt Ion:264 Resp: 372798
Ion Ratio Lower Upper
264 100
260 23.1 18.4 27.6
265 22.4 17.2 25.8

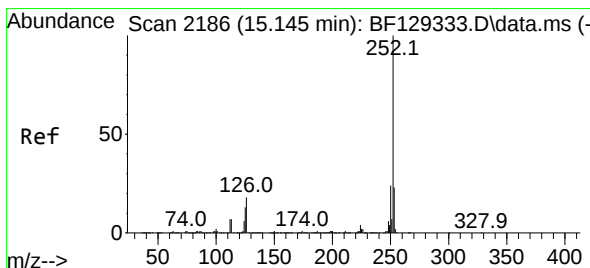
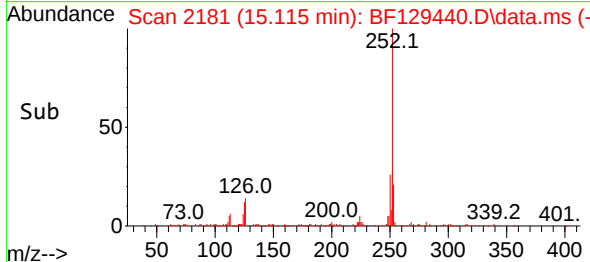
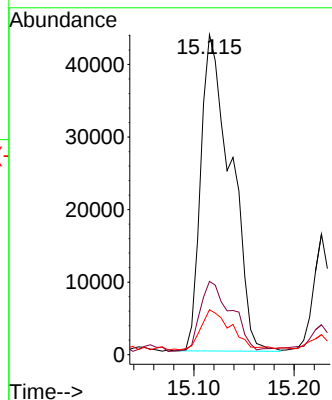
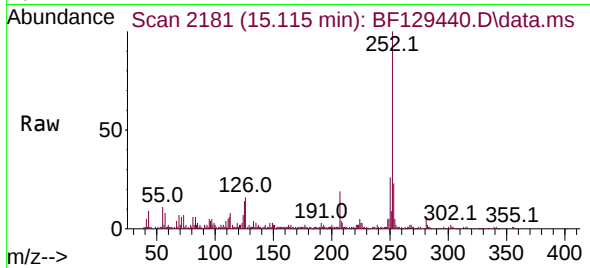




#88
Benzo(b)fluoranthene
Concen: 3.683 ng
RT: 15.115 min Scan# 2181
Delta R.T. 0.000 min
Lab File: BF129440.D
Acq: 29 Jul 2022 14:02

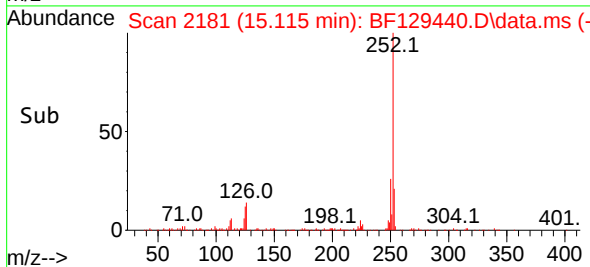
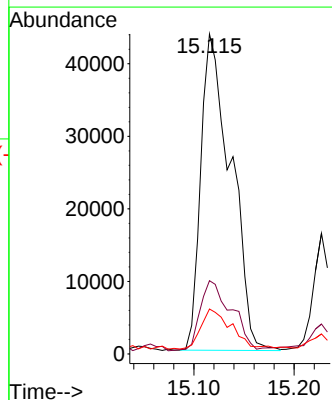
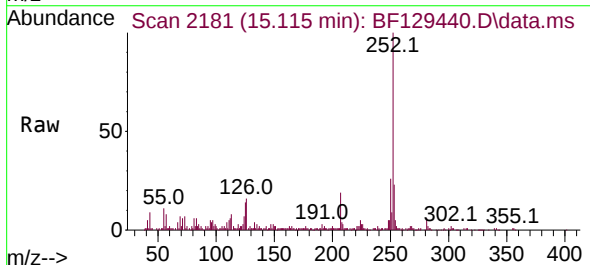
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

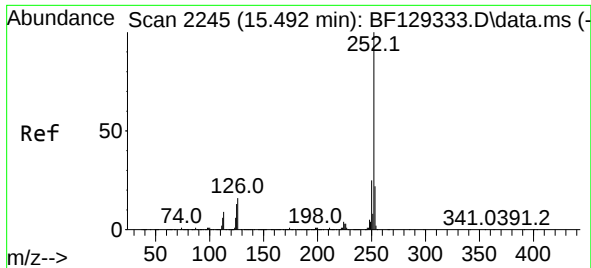
Tgt Ion:252 Resp: 91080
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 14.0 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 3.758 ng
RT: 15.115 min Scan# 2181
Delta R.T. -0.029 min
Lab File: BF129440.D
Acq: 29 Jul 2022 14:02

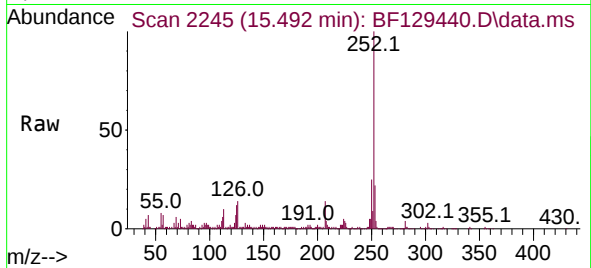
Tgt Ion:252 Resp: 91080
Ion Ratio Lower Upper
252 100
253 22.9 17.8 26.6
125 14.0 8.3 12.5#





#90
 Benzo(a)pyrene
 Concen: 3.807 ng
 RT: 15.492 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF129440.D
 Acq: 29 Jul 2022 14:02

Instrument :
 BNA_F
 ClientSampleId :
 HMGP-SOIL-C



Tgt Ion:252 Resp: 76422
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.0 25.6
 125 12.1 8.8 13.2

