

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052124\
 Data File : BF137988.D
 Acq On : 21 May 2024 20:15
 Operator : CG\JU
 Sample : P2538-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POLE-SLEEVE-SOIL

Quant Time: May 22 01:30:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

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

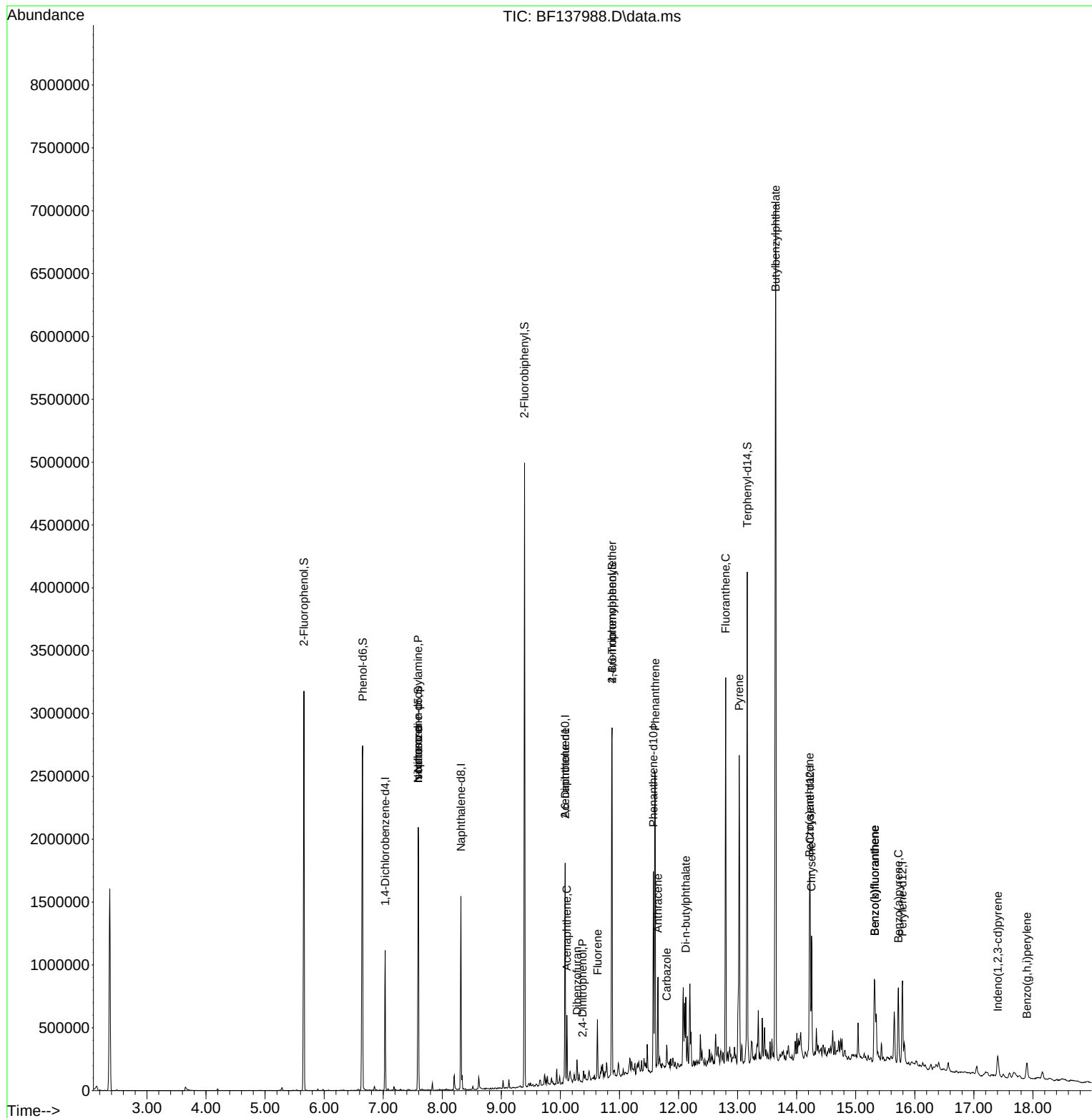
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	155369	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	609082	20.000	ng	-0.01
39) Acenaphthene-d10	10.081	164	348567	20.000	ng	0.00
64) Phenanthrene-d10	11.575	188	559024	20.000	ng	0.00
76) Chrysene-d12	14.227	240	327326	20.000	ng	0.00
86) Perylene-d12	15.792	264	321847	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.657	112	936369	102.373	ng	0.00
7) Phenol-d6	6.651	99	1188080	105.446	ng	0.00
23) Nitrobenzene-d5	7.592	82	719554	69.524	ng	-0.02
42) 2,4,6-Tribromophenol	10.875	330	386100	109.856	ng	0.00
45) 2-Fluorobiphenyl	9.392	172	1465379	64.758	ng	0.00
79) Terphenyl-d14	13.163	244	1308767	58.928	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.592	70	95999	15.165	ng	# 74
25) Isophorone	7.592	82	719681	40.066	ng	# 64
51) 2,6-Dinitrotoluene	10.081	165	46447	9.259	ng	# 29
52) Acenaphthene	10.110	154	97332	5.248	ng	98
54) 2,4-Dinitrophenol	10.375	184	212	7.039	ng	# 52
55) Dibenzofuran	10.281	168	59051	2.188	ng	98
58) Fluorene	10.628	166	117218	5.490	ng	99
67) 4-Bromophenyl-phenylether	10.875	248	24552	4.006	ng	# 1
71) Phenanthrene	11.604	178	947134	34.381	ng	100
72) Anthracene	11.651	178	260514	9.531	ng	100
73) Carbazole	11.798	167	55518	2.224	ng	99
74) Di-n-butylphthalate	12.122	149	257999	9.311	ng	100
75) Fluoranthene	12.798	202	1132547	40.503	ng	99
78) Pyrene	13.027	202	1032812	36.075	ng	99
80) Butylbenzylphthalate	13.645	149	1964328	227.474	ng	100
81) Benzo(a)anthracene	14.216	228	439234	21.210	ng	97
83) Chrysene	14.251	228	375943	18.982	ng	97
87) Indeno(1,2,3-cd)pyrene	17.404	276	119763	5.792	ng	95
88) Benzo(b)fluoranthene	15.321	252	567606	30.459	ng	98
89) Benzo(k)fluoranthene	15.321	252	567101	30.977	ng	97
90) Benzo(a)pyrene	15.721	252	308370	19.379	ng	97
92) Benzo(g,h,i)perylene	17.898	276	109818	6.119	ng	98

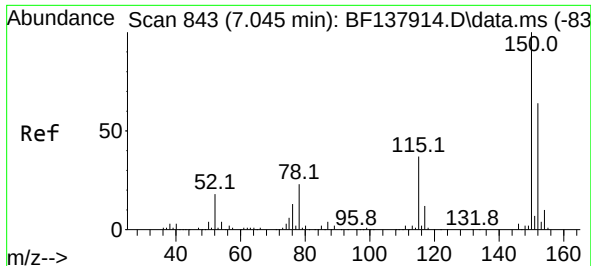
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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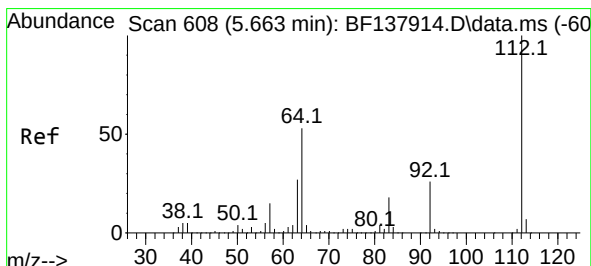
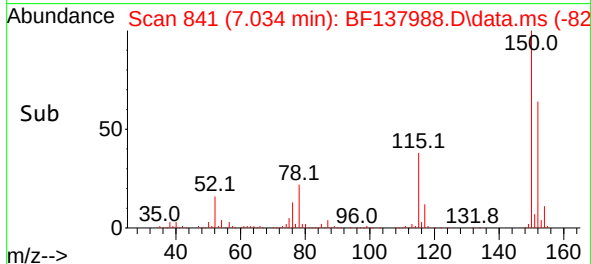
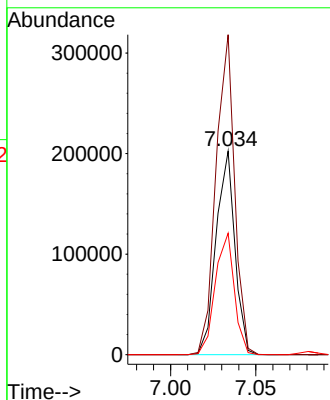
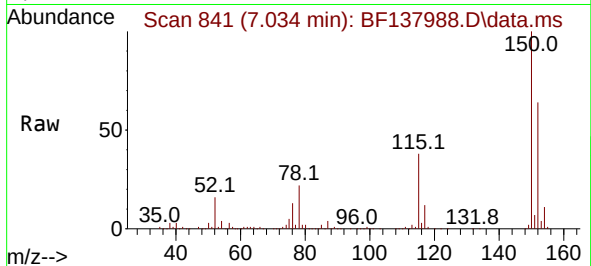




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 84
Delta R.T. -0.011 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

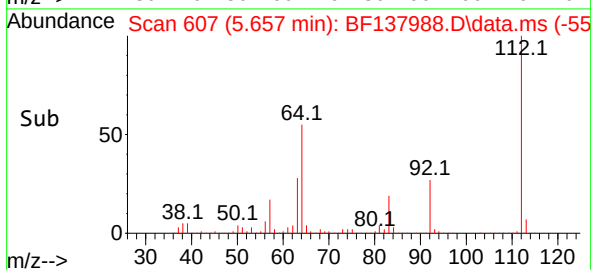
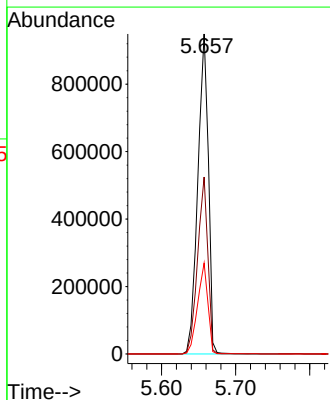
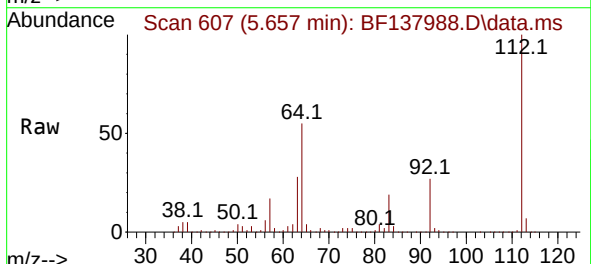
Instrument :
BNA_F
ClientSampleId :
POLE-SLEEVE-SOIL

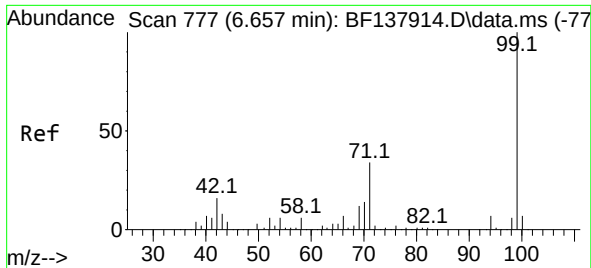
Tgt Ion:152 Resp: 155369
Ion Ratio Lower Upper
152 100
150 157.3 125.7 188.5
115 59.7 47.0 70.6



#5
2-Fluorophenol
Concen: 102.373 ng
RT: 5.657 min Scan# 607
Delta R.T. -0.006 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

Tgt Ion:112 Resp: 936369
Ion Ratio Lower Upper
112 100
64 55.3 42.4 63.6
63 28.4 21.4 32.2

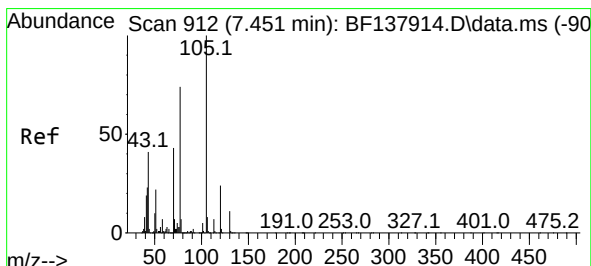
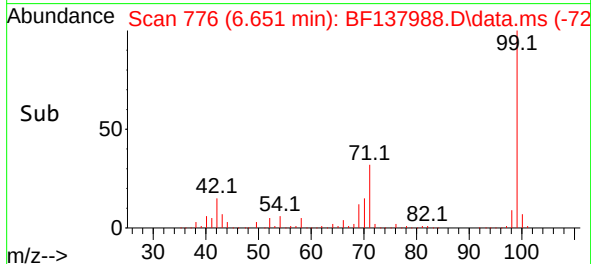
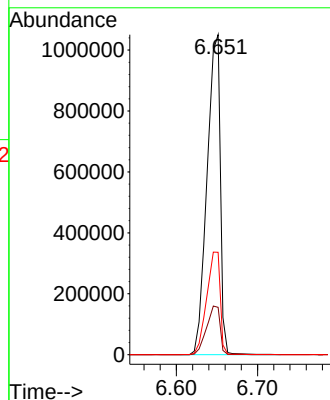
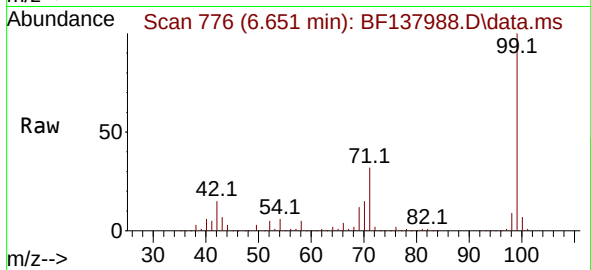




#7
Phenol-d6
Concen: 105.446 ng
RT: 6.651 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

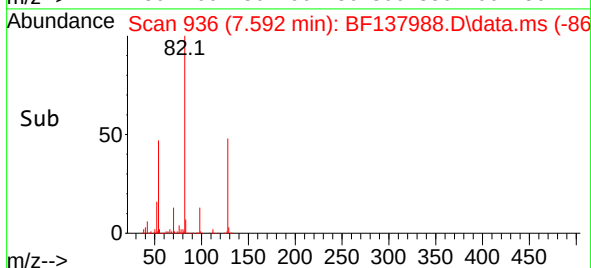
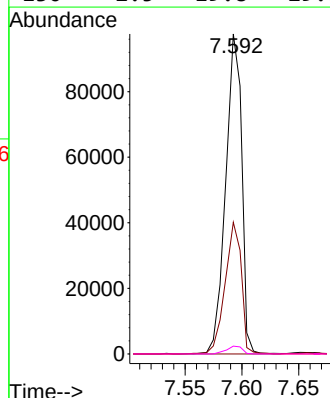
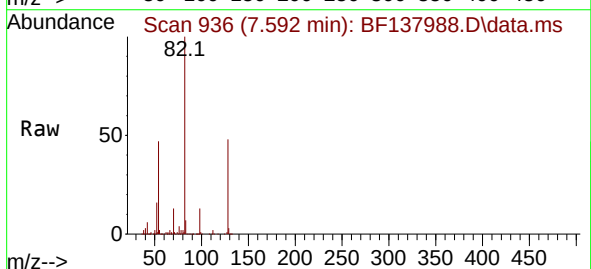
Instrument :
BNA_F
ClientSampleId :
POLE-SLEEVE-SOIL

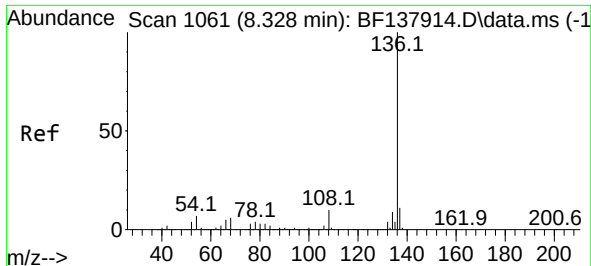
Tgt Ion: 99 Resp: 1188080
Ion Ratio Lower Upper
99 100
42 14.8 12.6 18.8
71 32.0 27.1 40.7



#19
n-Nitroso-di-n-propylamine
Concen: 15.165 ng
RT: 7.592 min Scan# 936
Delta R.T. 0.141 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

Tgt Ion: 70 Resp: 95999
Ion Ratio Lower Upper
70 100
42 41.2 42.2 63.4#
101 0.0 8.8 13.2#
130 2.5 19.8 29.8#



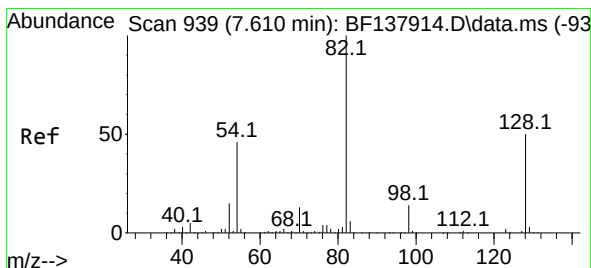
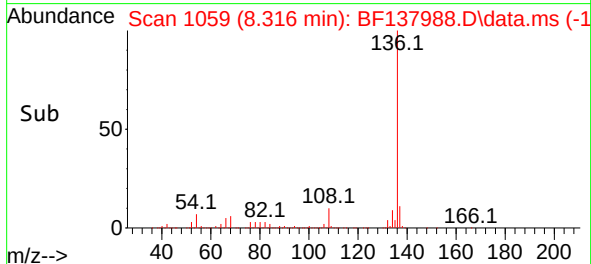
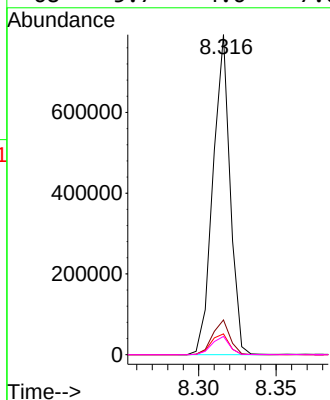
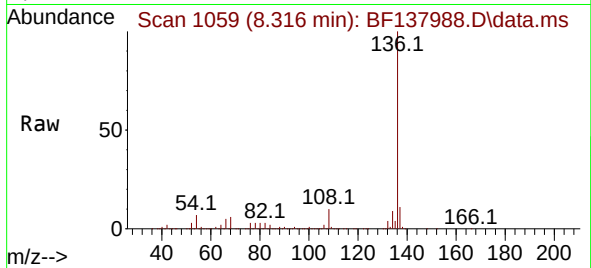


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

Instrument :
BNA_F
ClientSampleId :
POLE-SLEEVE-SOIL

Tgt Ion:136 Resp: 609082

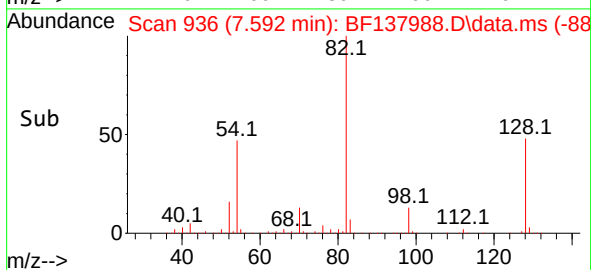
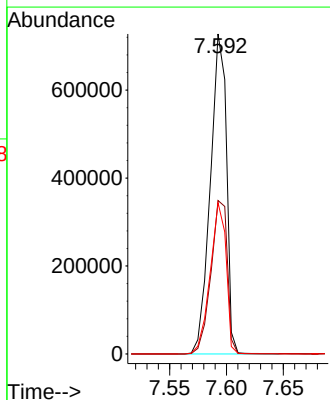
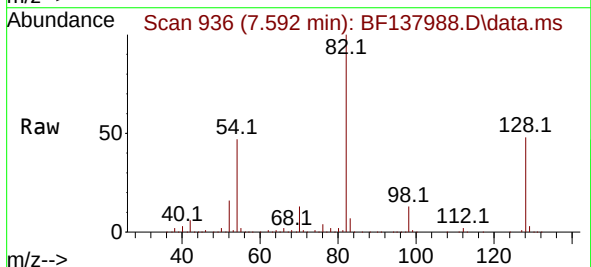
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	6.5	5.4	8.2
68	5.7	4.6	7.0

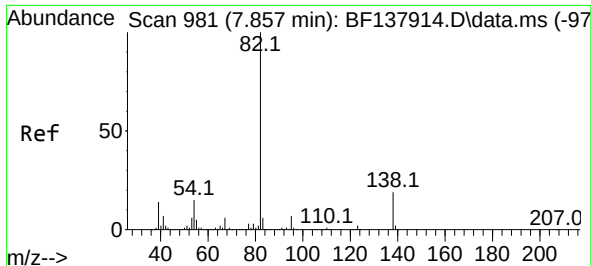


#23
Nitrobenzene-d5
Concen: 69.524 ng
RT: 7.592 min Scan# 936
Delta R.T. -0.018 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

Tgt Ion: 82 Resp: 719554

Ion	Ratio	Lower	Upper
82	100		
128	47.9	40.3	60.5
54	47.3	36.8	55.2

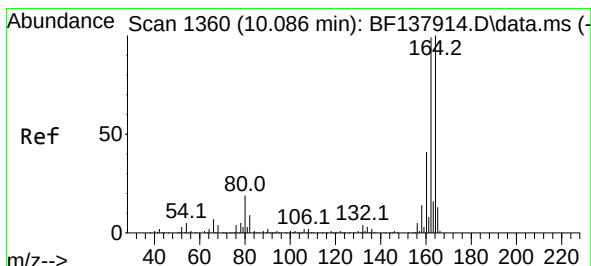
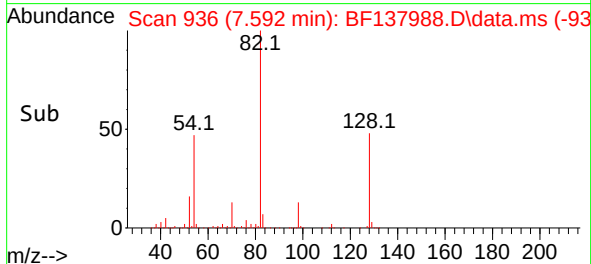
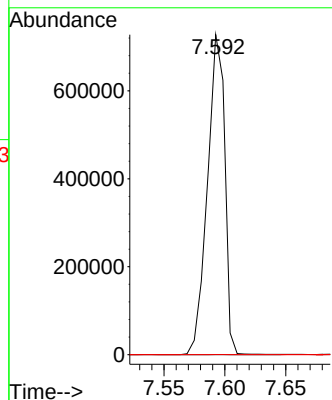
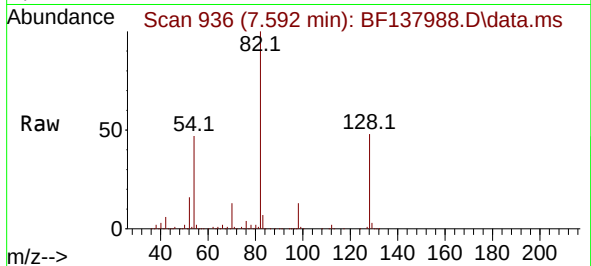




#25
Isophorone
Concen: 40.066 ng
RT: 7.592 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

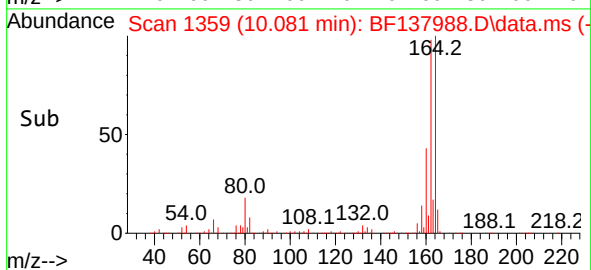
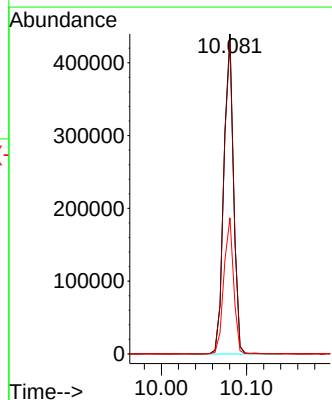
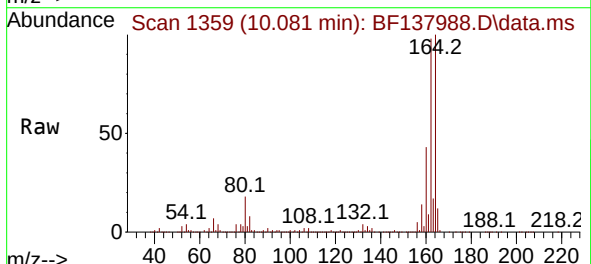
Instrument :
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ClientSampleId :
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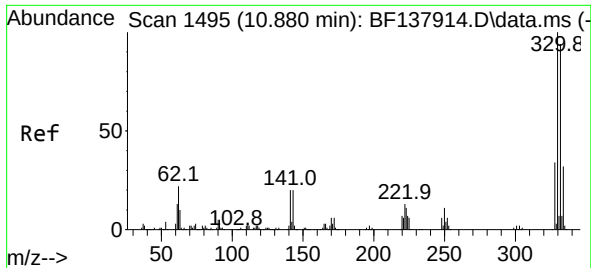
Tgt Ion: 82 Resp: 719681
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.0 22.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.081 min Scan# 1359
Delta R.T. -0.005 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

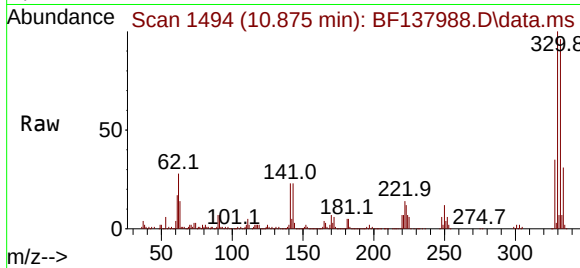
Tgt Ion:164 Resp: 348567
Ion Ratio Lower Upper
164 100
162 97.5 79.4 119.2
160 42.5 33.1 49.7



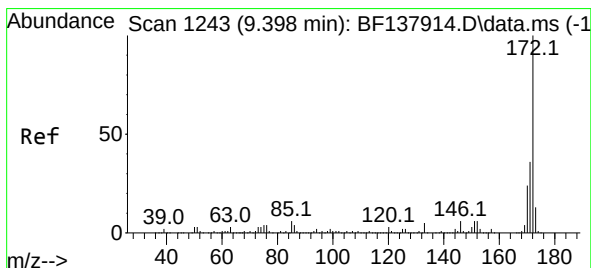
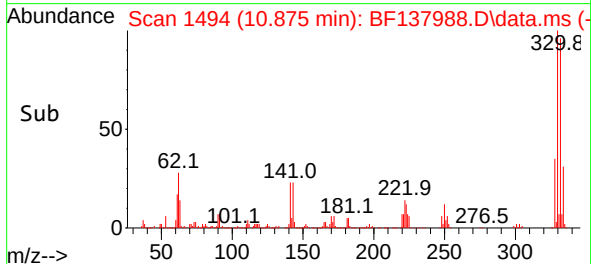
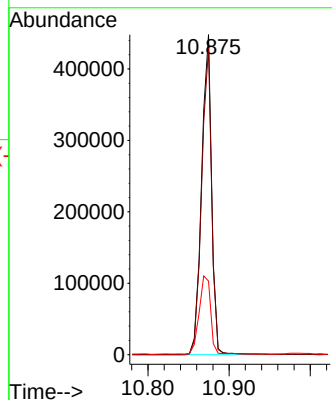


#42
2,4,6-Tribromophenol
Concen: 109.856 ng
RT: 10.875 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

Instrument :
BNA_F
ClientSampleId :
POLE-SLEEVE-SOIL

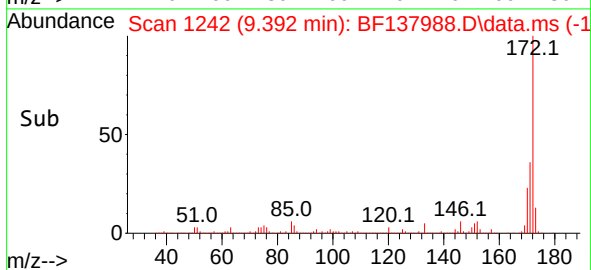
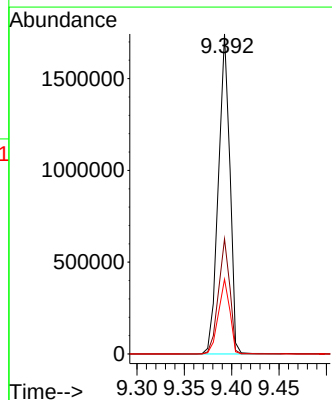
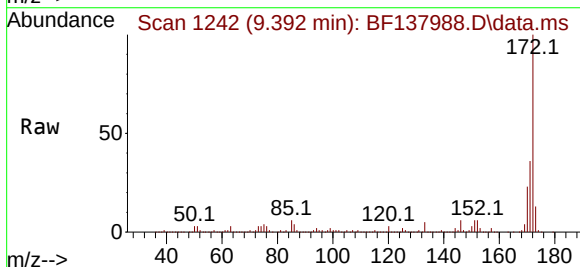


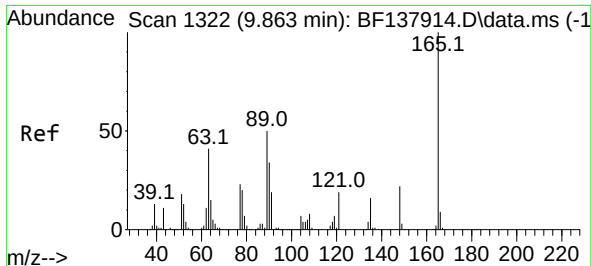
Tgt Ion:330 Resp: 386100
Ion Ratio Lower Upper
330 100
332 95.6 75.8 113.8
141 28.5 23.8 35.6



#45
2-Fluorobiphenyl
Concen: 64.758 ng
RT: 9.392 min Scan# 1242
Delta R.T. -0.006 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

Tgt Ion:172 Resp: 1465379
Ion Ratio Lower Upper
172 100
171 35.9 28.9 43.3
170 23.3 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 9.259 ng

RT: 10.081 min Scan# 1

Delta R.T. 0.218 min

Lab File: BF137988.D

Acq: 21 May 2024 20:15

Instrument :

BNA_F

ClientSampleId :

POLE-SLEEVE-SOIL

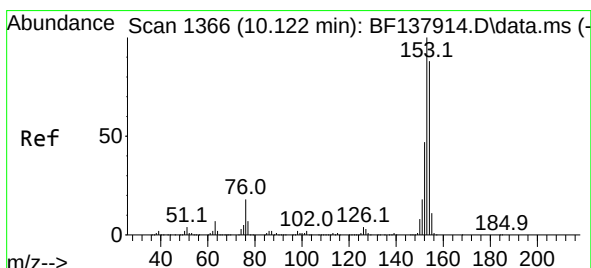
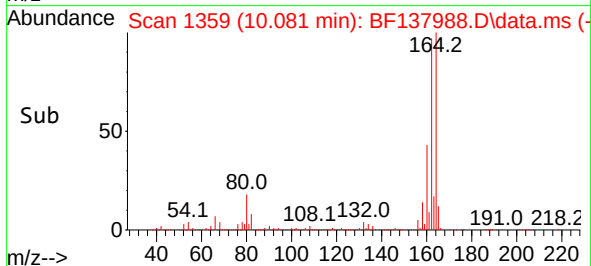
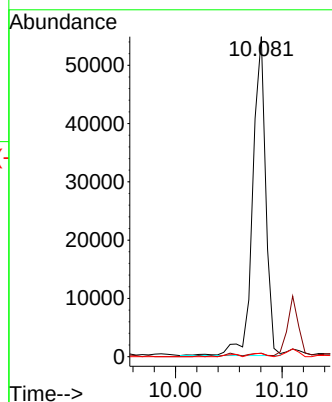
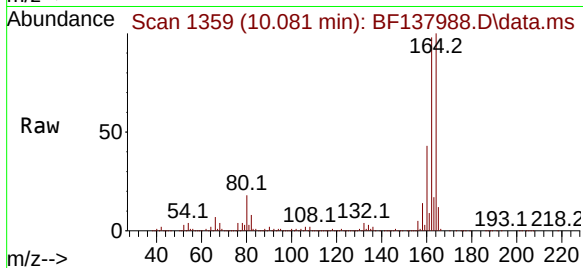
Tgt Ion:165 Resp: 46447

Ion Ratio Lower Upper

165 100

63 1.1 38.9 58.3#

89 1.0 40.4 60.6#



#52

Acenaphthene

Concen: 5.248 ng

RT: 10.110 min Scan# 1364

Delta R.T. -0.012 min

Lab File: BF137988.D

Acq: 21 May 2024 20:15

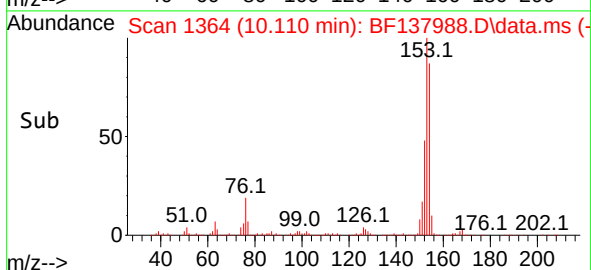
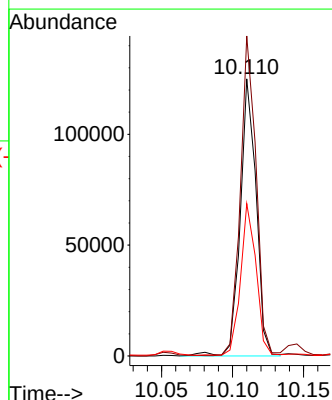
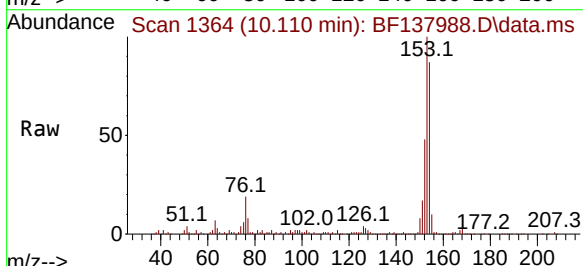
Tgt Ion:154 Resp: 97332

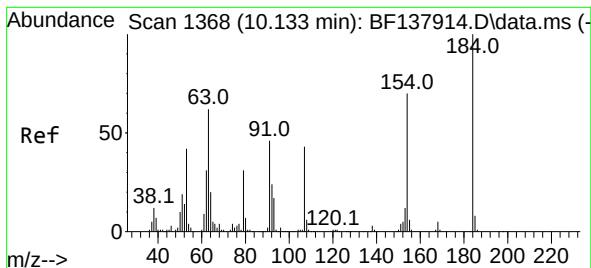
Ion Ratio Lower Upper

154 100

153 115.5 90.4 135.6

152 54.9 42.3 63.5

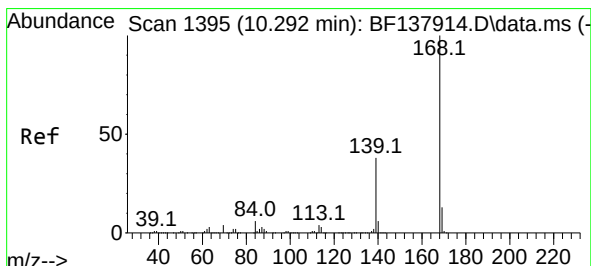
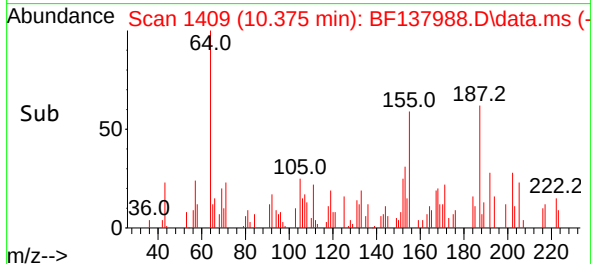
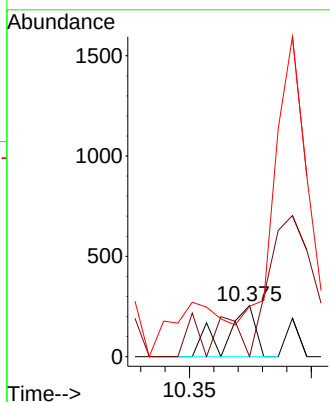
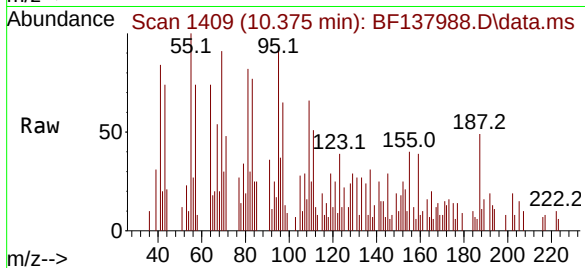




#54
2,4-Dinitrophenol
Concen: 7.039 ng
RT: 10.375 min Scan# 1409
Delta R.T. 0.242 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

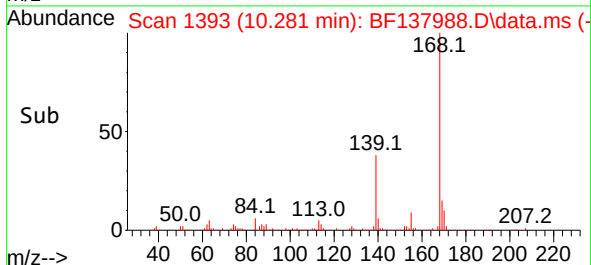
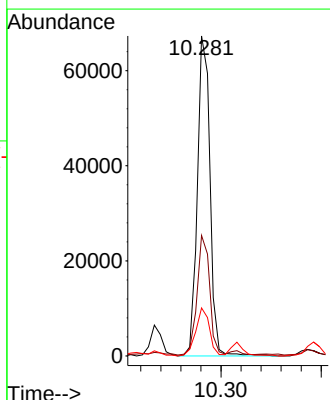
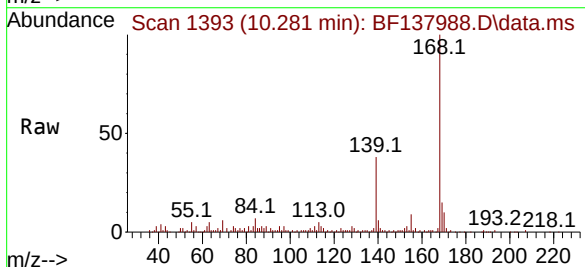
Instrument :
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POLE-SLEEVE-SOIL

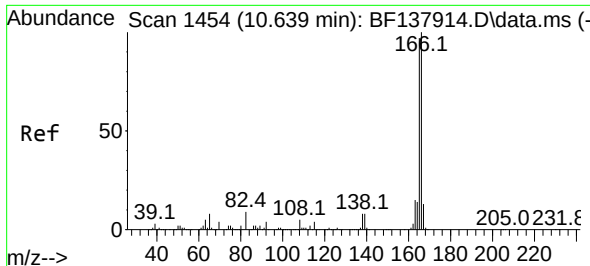
Tgt Ion:184 Resp: 212
Ion Ratio Lower Upper
184 100
63 0.0 50.4 75.6#
154 98.4 63.7 95.5#



#55
Dibenzofuran
Concen: 2.188 ng
RT: 10.281 min Scan# 1393
Delta R.T. -0.012 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

Tgt Ion:168 Resp: 59051
Ion Ratio Lower Upper
168 100
139 37.7 30.4 45.6
169 15.0 10.5 15.7

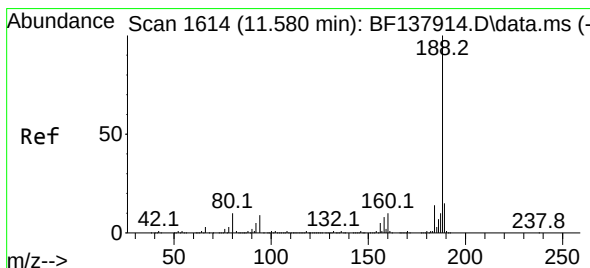
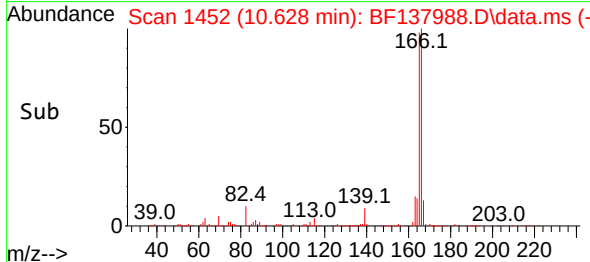
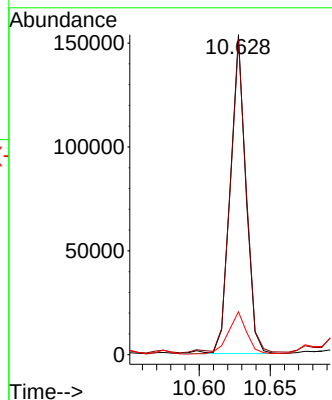
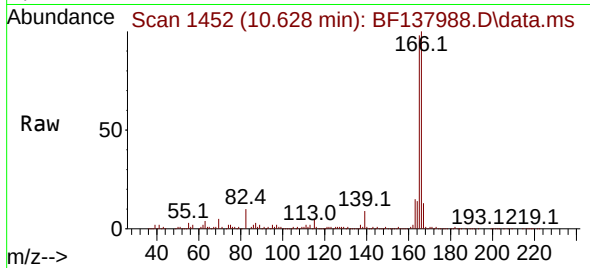




#58
Fluorene
Concen: 5.490 ng
RT: 10.628 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

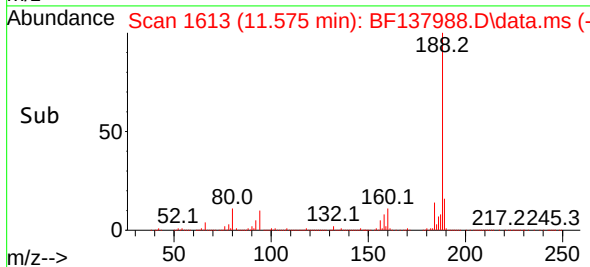
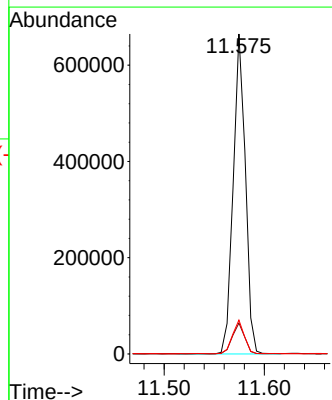
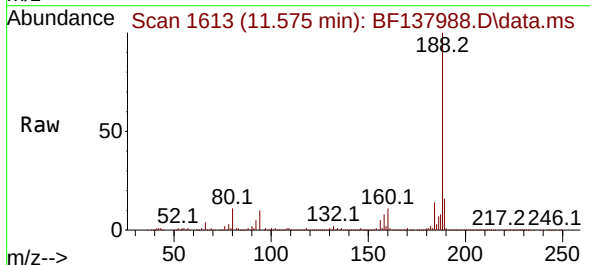
Instrument :
BNA_F
ClientSampleId :
POLE-SLEEVE-SOIL

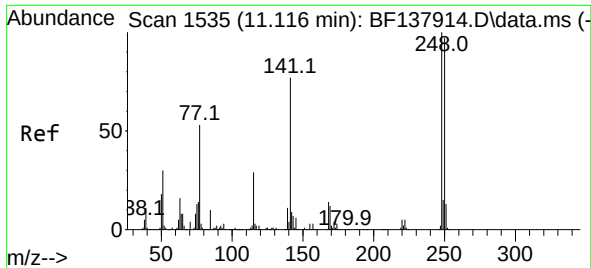
Tgt Ion:166 Resp: 117218
Ion Ratio Lower Upper
166 100
165 98.5 77.8 116.8
167 13.4 10.4 15.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.575 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

Tgt Ion:188 Resp: 559024
Ion Ratio Lower Upper
188 100
94 9.7 7.0 10.4
80 10.6 7.7 11.5

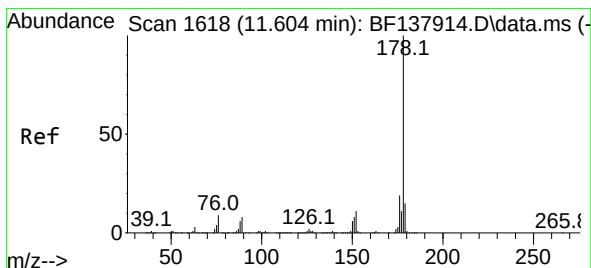
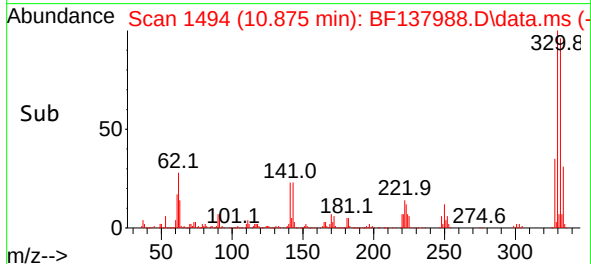
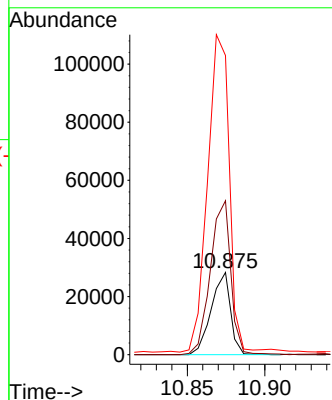
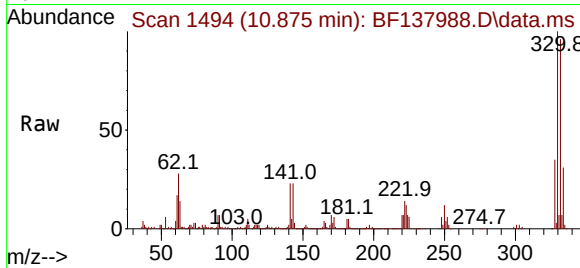




#67
4-Bromophenyl-phenylether
Concen: 4.006 ng
RT: 10.875 min Scan# 1494
Delta R.T. -0.241 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

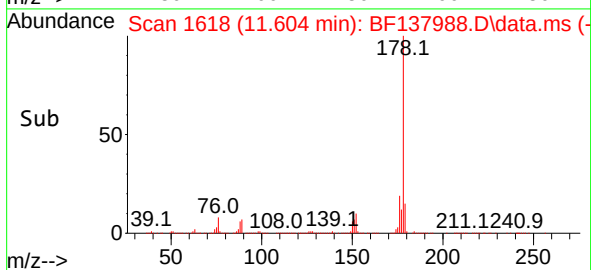
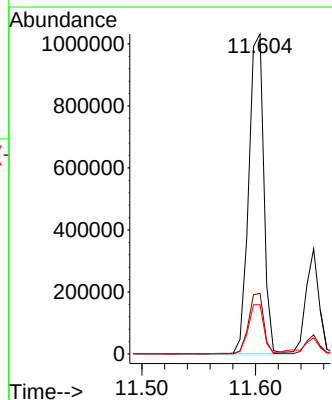
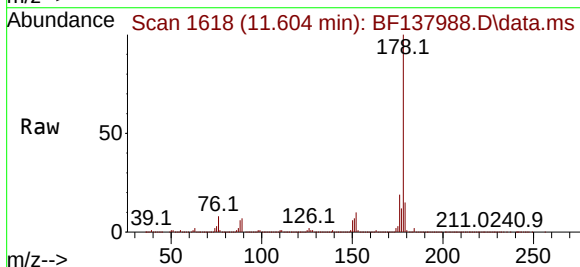
Instrument :
BNA_F
ClientSampleId :
POLE-SLEEVE-SOIL

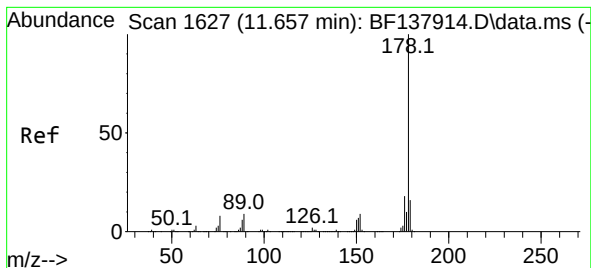
Tgt Ion:248 Resp: 24552
Ion Ratio Lower Upper
248 100
250 187.2 77.6 116.4#
141 363.8 61.4 92.2#



#71
Phenanthrene
Concen: 34.381 ng
RT: 11.604 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

Tgt Ion:178 Resp: 947134
Ion Ratio Lower Upper
178 100
176 18.9 15.2 22.8
179 15.4 12.2 18.4





#72

Anthracene

Concen: 9.531 ng

RT: 11.651 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137988.D

Acq: 21 May 2024 20:15

Instrument :

BNA_F

ClientSampleId :

POLE-SLEEVE-SOIL

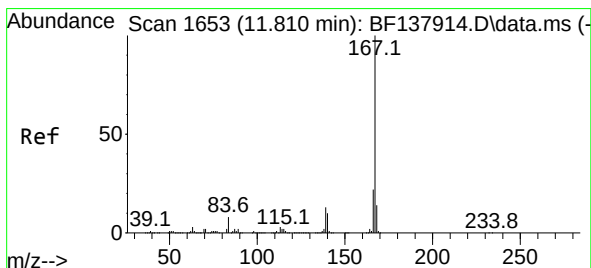
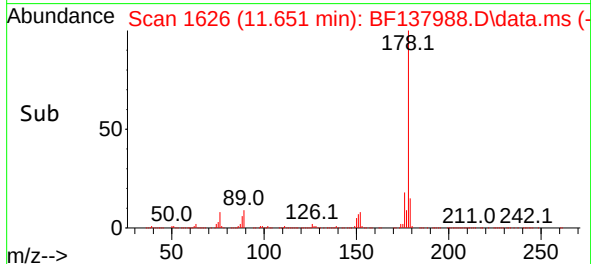
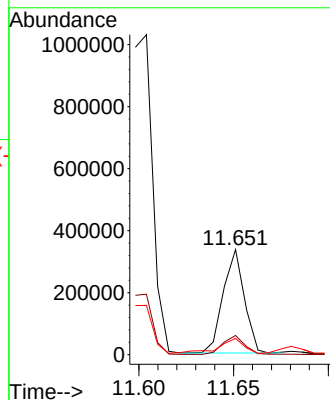
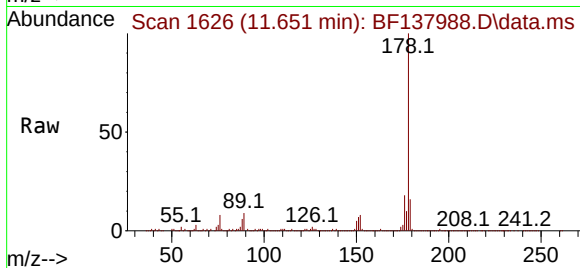
Tgt Ion:178 Resp: 260514

Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

179 15.5 12.4 18.6



#73

Carbazole

Concen: 2.224 ng

RT: 11.798 min Scan# 1651

Delta R.T. -0.012 min

Lab File: BF137988.D

Acq: 21 May 2024 20:15

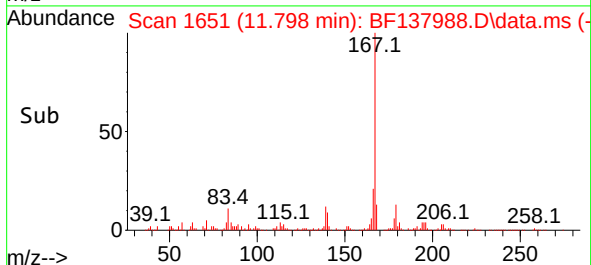
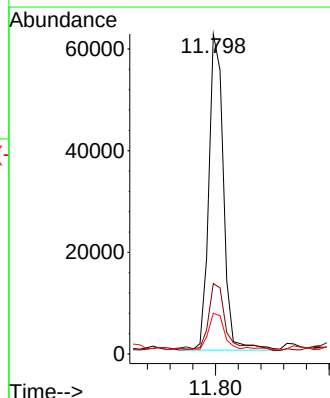
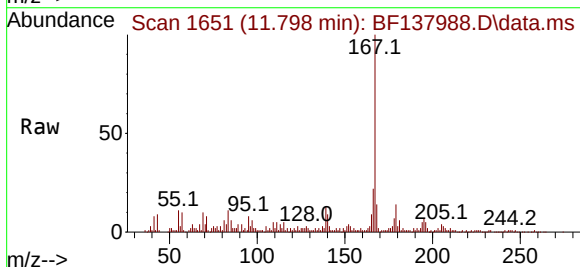
Tgt Ion:167 Resp: 55518

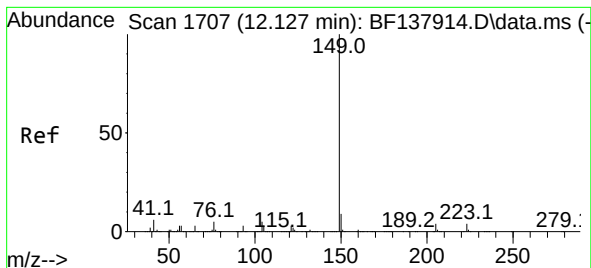
Ion Ratio Lower Upper

167 100

166 22.0 17.3 25.9

139 12.7 10.3 15.5





#74

Di-n-butylphthalate

Concen: 9.311 ng

RT: 12.122 min Scan# 1706

Delta R.T. -0.006 min

Lab File: BF137988.D

Acq: 21 May 2024 20:15

Instrument :

BNA_F

ClientSampleId :

POLE-SLEEVE-SOIL

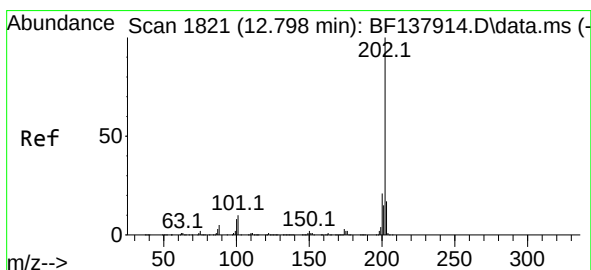
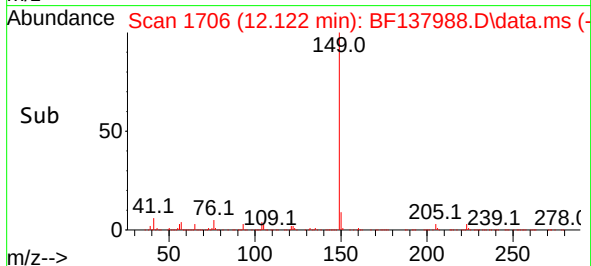
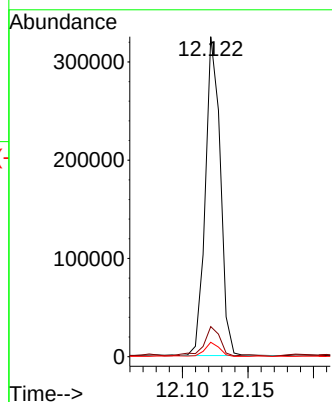
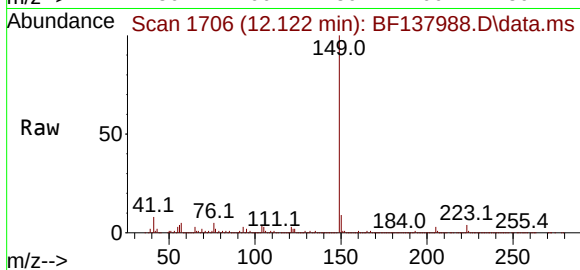
Tgt Ion:149 Resp: 257999

Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.2

104 4.5 3.6 5.4



#75

Fluoranthene

Concen: 40.503 ng

RT: 12.798 min Scan# 1821

Delta R.T. 0.000 min

Lab File: BF137988.D

Acq: 21 May 2024 20:15

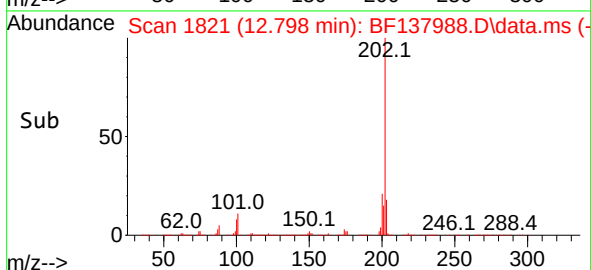
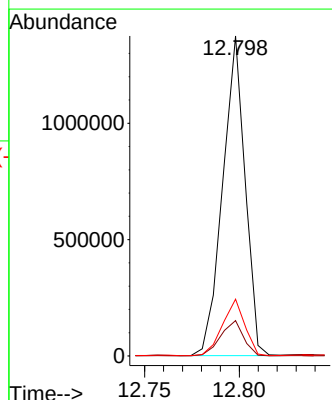
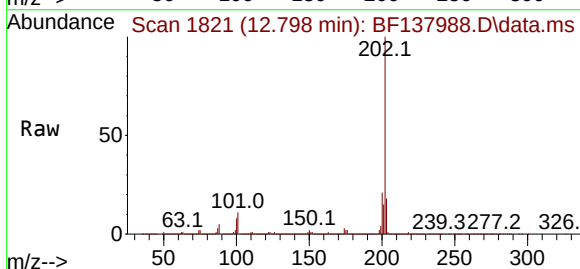
Tgt Ion:202 Resp: 1132547

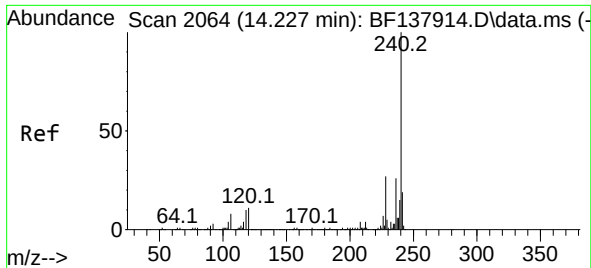
Ion Ratio Lower Upper

202 100

101 11.1 0.0 30.5

203 17.8 0.0 37.3

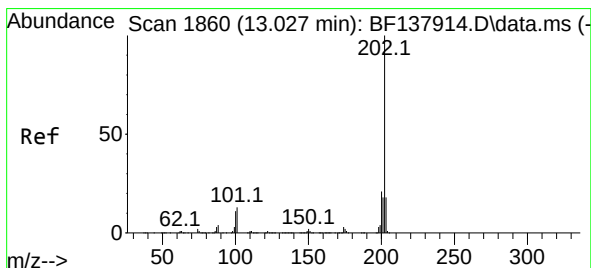
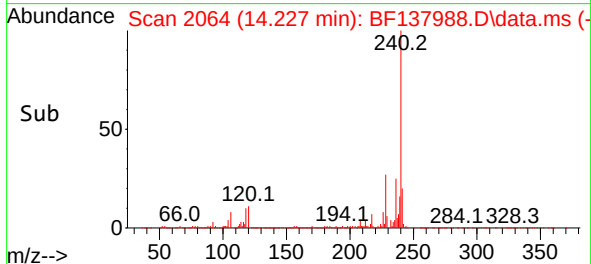
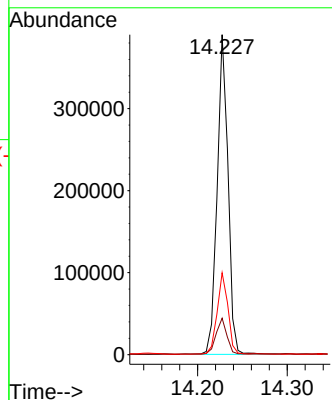
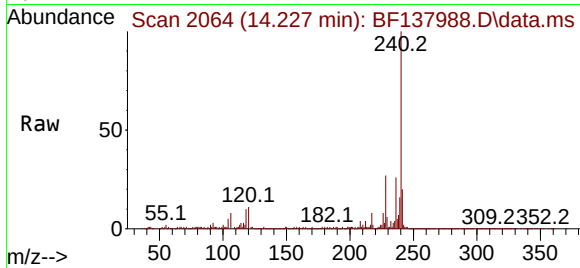




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.227 min Scan# 2064
Delta R.T. 0.000 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

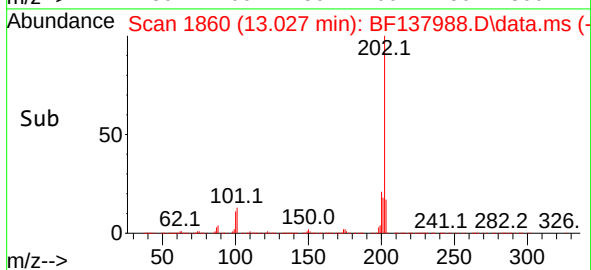
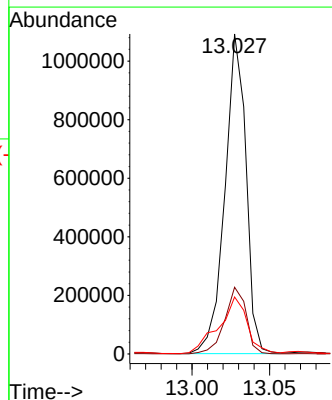
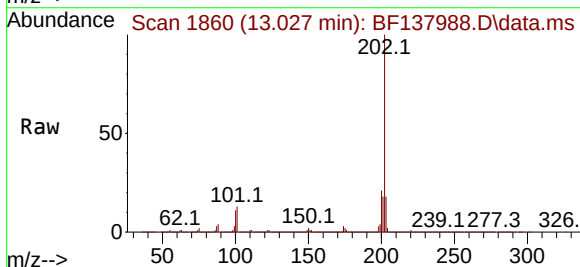
Instrument :
BNA_F
ClientSampleId :
POLE-SLEEVE-SOIL

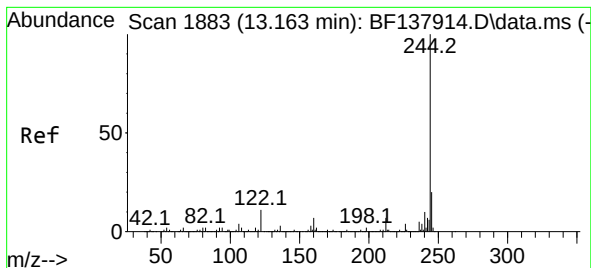
Tgt Ion:240 Resp: 327326
Ion Ratio Lower Upper
240 100
120 11.4 8.9 13.3
236 25.6 21.0 31.4



#78
Pyrene
Concen: 36.075 ng
RT: 13.027 min Scan# 1860
Delta R.T. 0.000 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

Tgt Ion:202 Resp: 1032812
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 17.8 14.1 21.1





#79

Terphenyl-d14

Concen: 58.928 ng

RT: 13.163 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF137988.D

Acq: 21 May 2024 20:15

Instrument :

BNA_F

ClientSampleId :

POLE-SLEEVE-SOIL

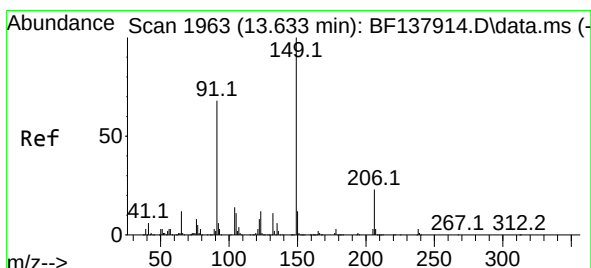
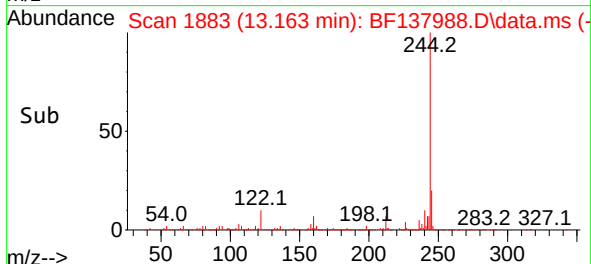
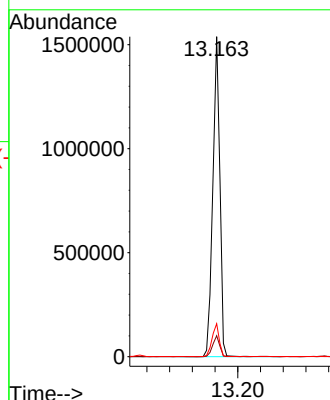
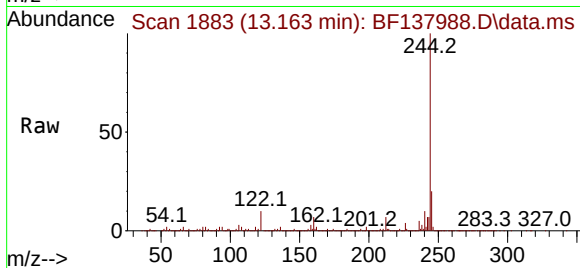
Tgt Ion:244 Resp: 1308767

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 10.3 8.8 13.2



#80

Butylbenzylphthalate

Concen: 227.474 ng

RT: 13.645 min Scan# 1965

Delta R.T. 0.012 min

Lab File: BF137988.D

Acq: 21 May 2024 20:15

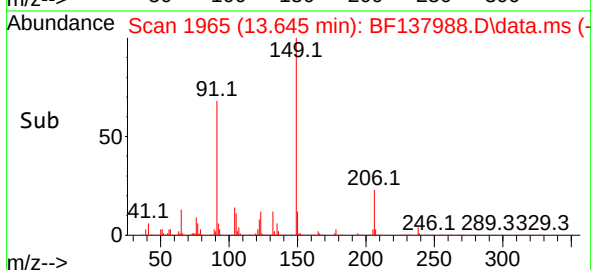
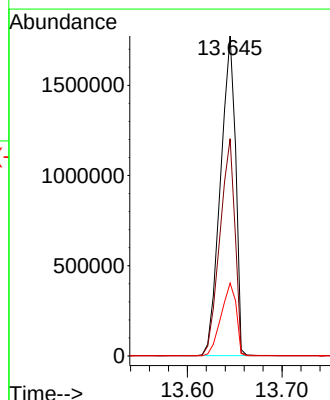
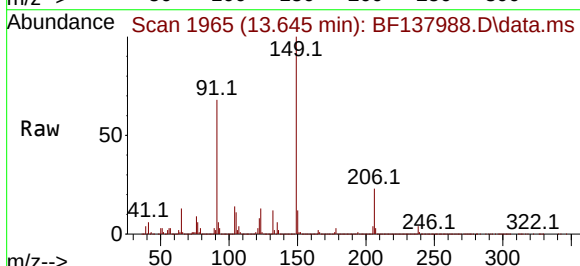
Tgt Ion:149 Resp: 1964328

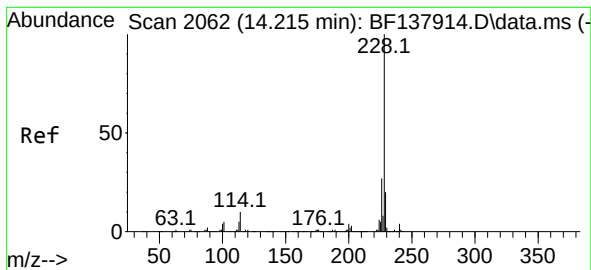
Ion Ratio Lower Upper

149 100

91 67.9 54.2 81.4

206 22.8 18.1 27.1





#81

Benzo(a)anthracene

Concen: 21.210 ng

RT: 14.216 min Scan# 2062

Delta R.T. 0.000 min

Lab File: BF137988.D

Acq: 21 May 2024 20:15

Instrument :

BNA_F

ClientSampleId :

POLE-SLEEVE-SOIL

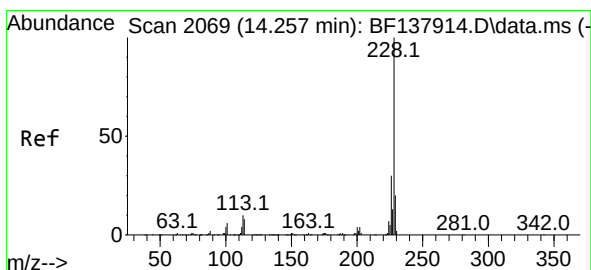
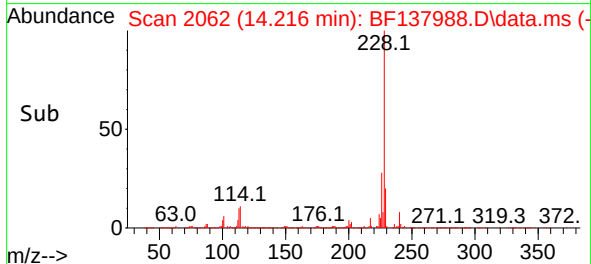
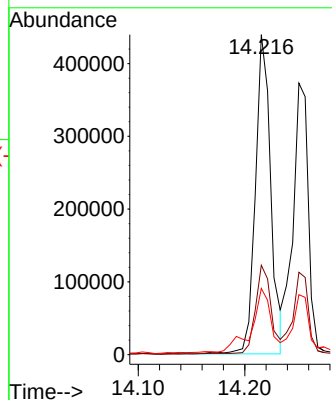
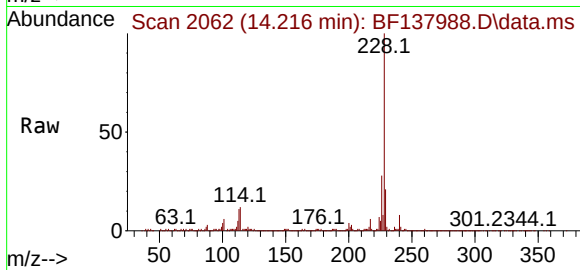
Tgt Ion:228 Resp: 439234

Ion Ratio Lower Upper

228 100

226 27.9 21.3 31.9

229 20.7 15.7 23.5



#83

Chrysene

Concen: 18.982 ng

RT: 14.251 min Scan# 2068

Delta R.T. -0.006 min

Lab File: BF137988.D

Acq: 21 May 2024 20:15

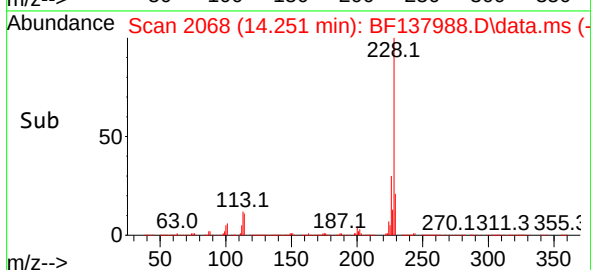
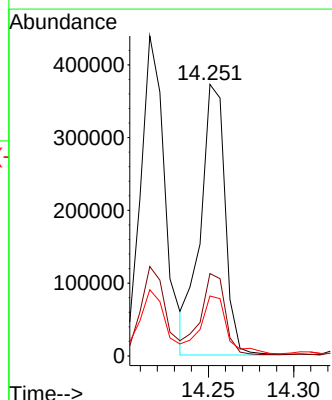
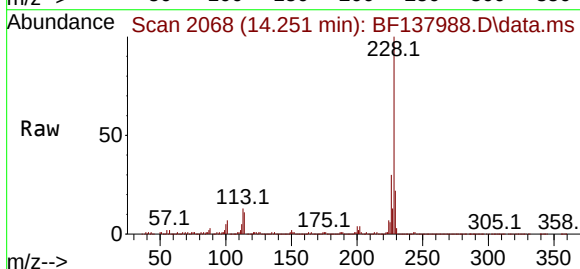
Tgt Ion:228 Resp: 375943

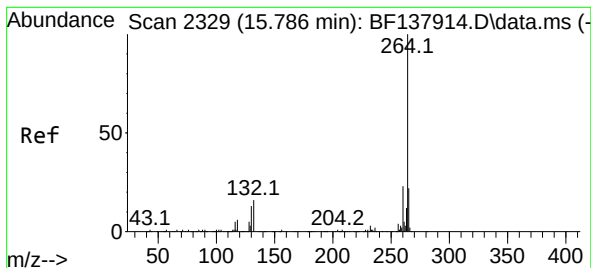
Ion Ratio Lower Upper

228 100

226 30.4 23.8 35.8

229 22.1 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.792 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137988.D

Acq: 21 May 2024 20:15

Instrument :

BNA_F

ClientSampleId :

POLE-SLEEVE-SOIL

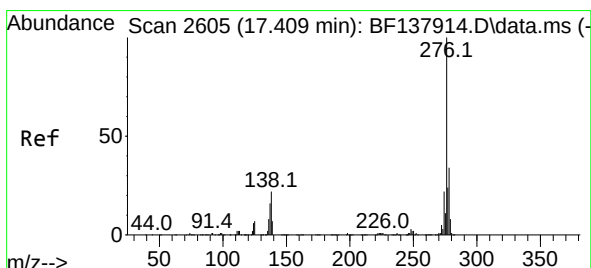
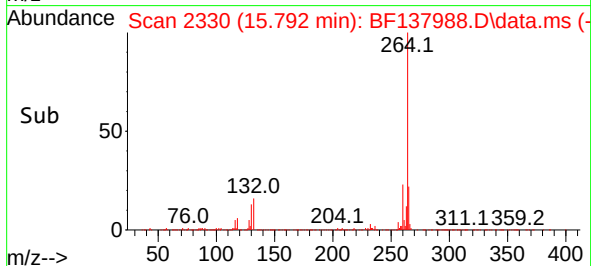
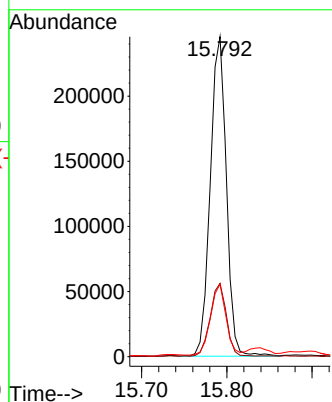
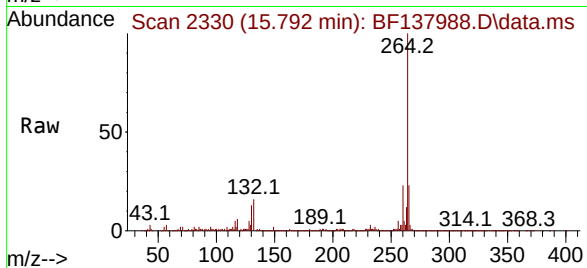
Tgt Ion:264 Resp: 321847

Ion Ratio Lower Upper

264 100

260 22.9 18.3 27.5

265 22.6 17.6 26.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 5.792 ng

RT: 17.404 min Scan# 2604

Delta R.T. -0.006 min

Lab File: BF137988.D

Acq: 21 May 2024 20:15

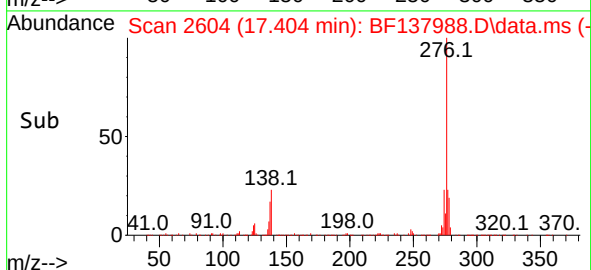
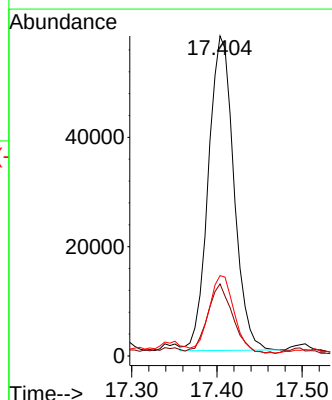
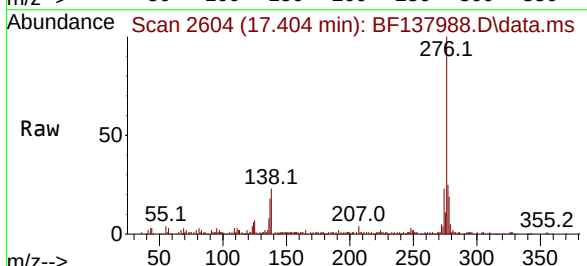
Tgt Ion:276 Resp: 119763

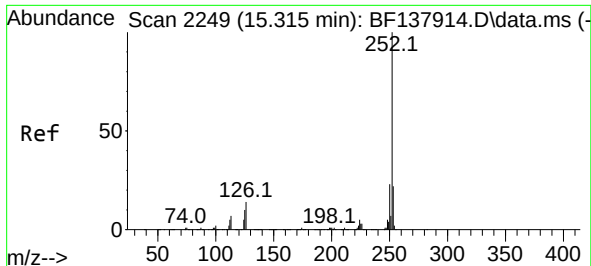
Ion Ratio Lower Upper

276 100

138 22.0 20.6 30.8

277 24.3 20.2 30.2

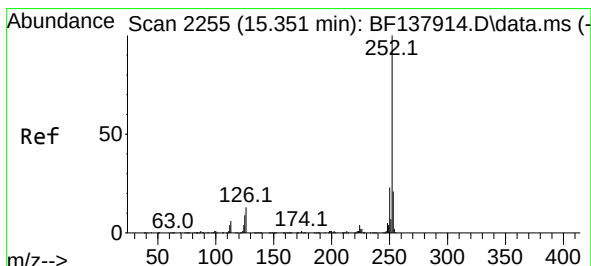
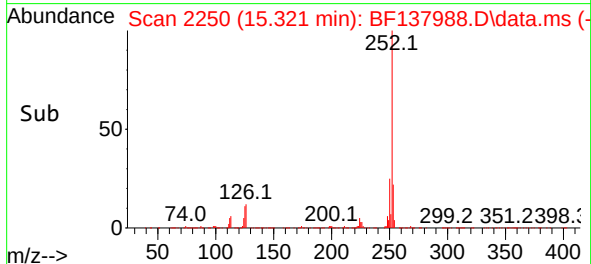
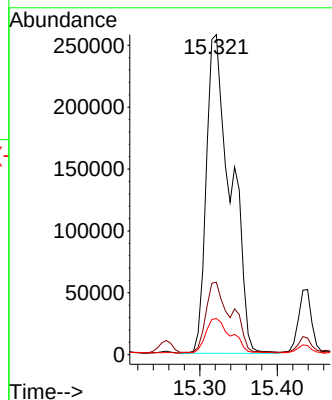
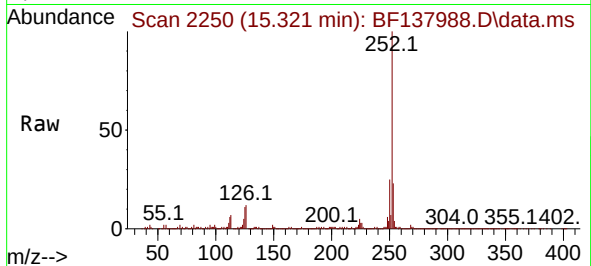




#88
Benzo(b)fluoranthene
Concen: 30.459 ng
RT: 15.321 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

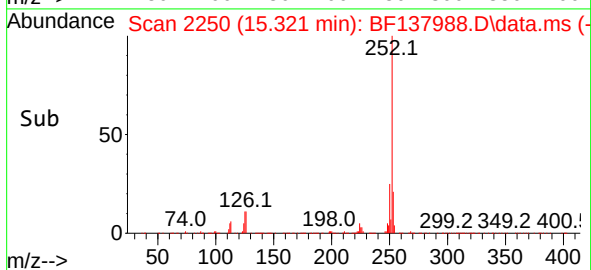
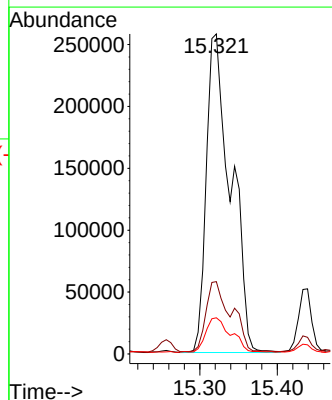
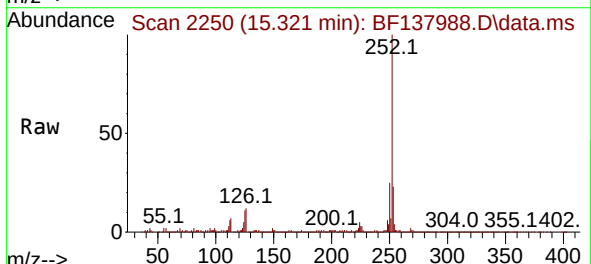
Instrument :
BNA_F
ClientSampleId :
POLE-SLEEVE-SOIL

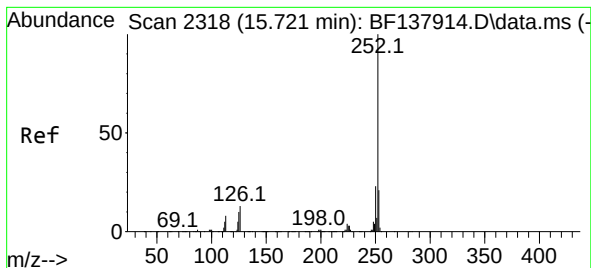
Tgt Ion:252 Resp: 567606
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 11.3 8.2 12.4



#89
Benzo(k)fluoranthene
Concen: 30.977 ng
RT: 15.321 min Scan# 2250
Delta R.T. -0.029 min
Lab File: BF137988.D
Acq: 21 May 2024 20:15

Tgt Ion:252 Resp: 567101
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 11.3 7.7 11.5





#90

Benzo(a)pyrene

Concen: 19.379 ng

RT: 15.721 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF137988.D

Acq: 21 May 2024 20:15

Instrument :

BNA_F

ClientSampleId :

POLE-SLEEVE-SOIL

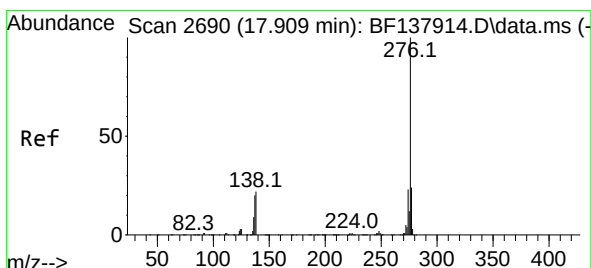
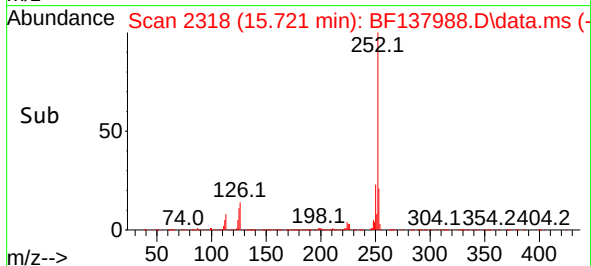
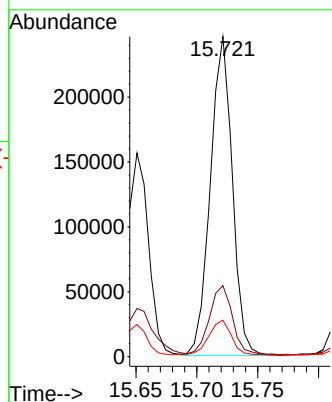
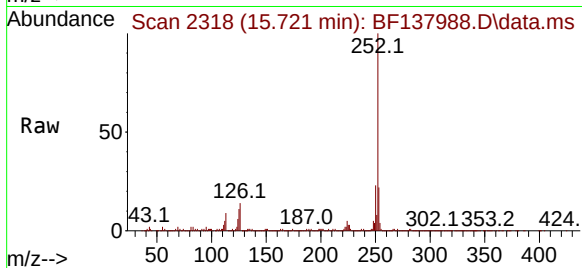
Tgt Ion:252 Resp: 308370

Ion Ratio Lower Upper

252 100

253 22.2 17.0 25.6

125 11.4 7.8 11.8



#92

Benzo(g,h,i)perylene

Concen: 6.119 ng

RT: 17.898 min Scan# 2688

Delta R.T. -0.012 min

Lab File: BF137988.D

Acq: 21 May 2024 20:15

Tgt Ion:276 Resp: 109818

Ion Ratio Lower Upper

276 100

277 23.5 18.9 28.3

138 20.4 17.6 26.4

