

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052322\
 Data File : BF128419.D
 Acq On : 24 May 2022 00:37
 Operator : CG\JU
 Sample : N2964-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-051922

Quant Time: May 24 01:24:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 21 05:28:09 2022
 Response via : Initial Calibration

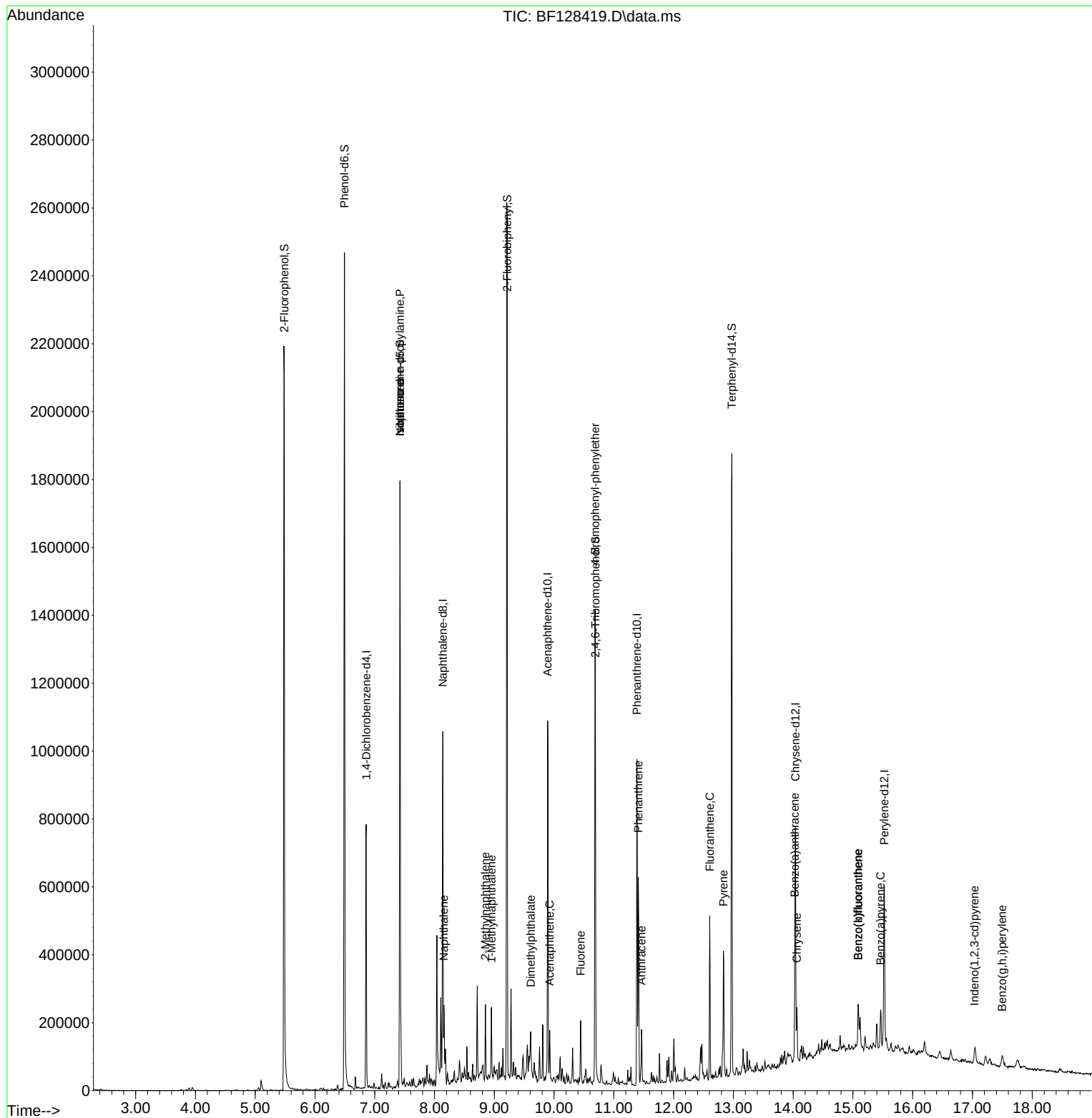
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	116447	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	428211	20.000	ng	0.00
39) Acenaphthene-d10	9.892	164	222676	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	332856	20.000	ng	0.00
76) Chrysene-d12	14.039	240	234493	20.000	ng	-0.01
86) Perylene-d12	15.527	264	232948	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	650040	88.835	ng	0.00
7) Phenol-d6	6.492	99	827766	85.908	ng	0.00
23) Nitrobenzene-d5	7.422	82	574093	60.069	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	166992	72.717	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	843508	61.947	ng	0.00
79) Terphenyl-d14	12.974	244	652261	53.696	ng	0.00
Target Compounds						
9) Benzaldehyde	6.381	77	219	Below Cal		Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	77087	13.377	ng	# 81
25) Isophorone	7.422	82	570447	38.949	ng	# 68
31) Naphthalene	8.157	128	90284	4.327	ng	98
37) 2-Methylnaphthalene	8.851	142	53757	3.929	ng	100
38) 1-Methylnaphthalene	8.951	142	45349	3.446	ng	97
50) Dimethylphthalate	9.610	163	41755	2.944	ng	100
52) Acenaphthene	9.928	154	27892	2.487	ng	98
58) Fluorene	10.445	166	46836	3.515	ng	98
67) 4-Bromophenyl-phenylether	10.686	248	9795	2.812	ng	# 1
71) Phenanthrene	11.410	178	220629	13.582	ng	98
72) Anthracene	11.463	178	63322	3.922	ng	99
75) Fluoranthene	12.604	202	177922	10.114	ng	99
78) Pyrene	12.833	202	156074	8.889	ng	97
81) Benzo(a)anthracene	14.027	228	70020	4.693	ng	98
83) Chrysene	14.063	228	58596	4.124	ng	97
87) Indeno(1,2,3-cd)pyrene	17.033	276	27884	2.097	ng	97
88) Benzo(b)fluoranthene	15.086	252	97006	6.694	ng	# 92
89) Benzo(k)fluoranthene	15.086	252	97006	7.147	ng	# 91
90) Benzo(a)pyrene	15.462	252	55502	4.771	ng	98
92) Benzo(g,h,i)perylene	17.498	276	27426	2.464	ng	94

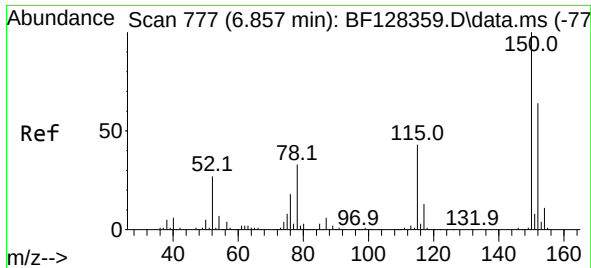
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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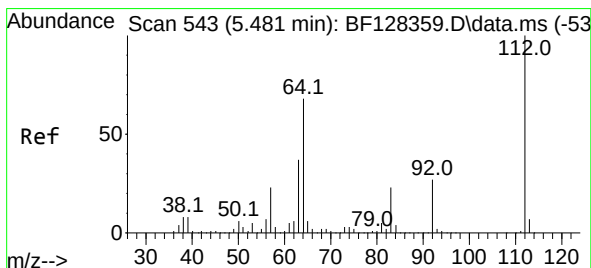
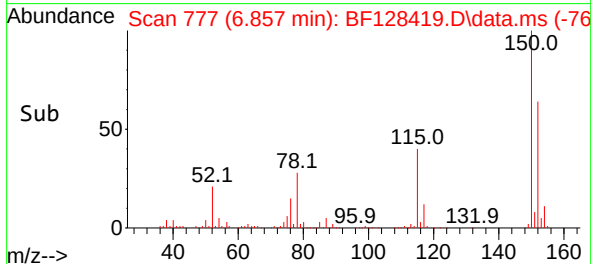
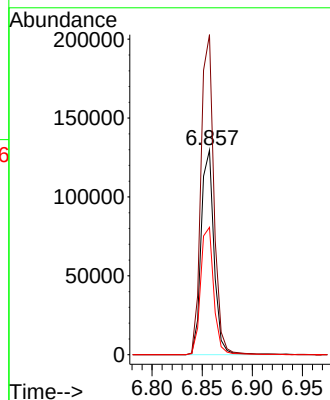
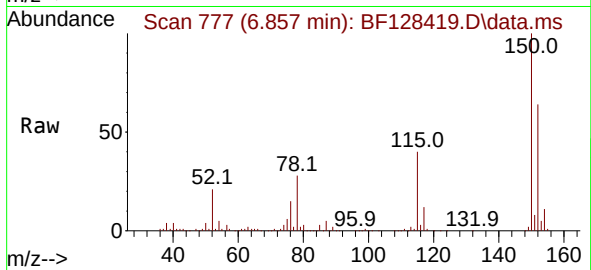




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

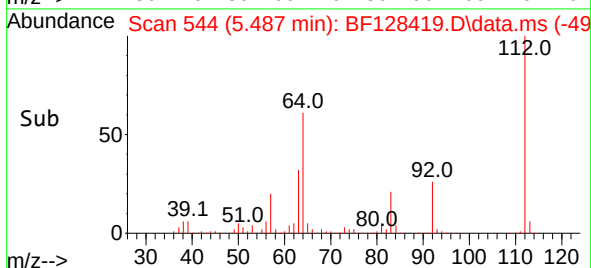
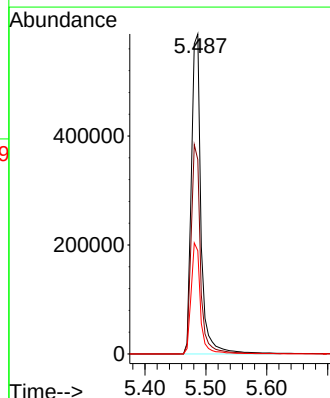
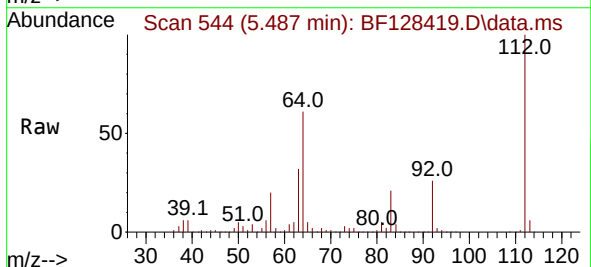
Instrument :
BNA_F
ClientSampleId :
EO-01-051922

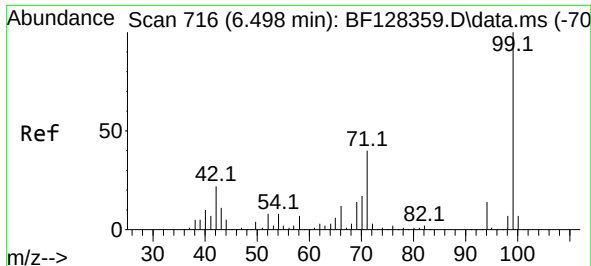
Tgt Ion:152 Resp: 116447
Ion Ratio Lower Upper
152 100
150 156.5 125.3 187.9
115 62.3 48.8 73.2



#5
2-Fluorophenol
Concen: 88.835 ng
RT: 5.487 min Scan# 544
Delta R.T. 0.006 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

Tgt Ion:112 Resp: 650040
Ion Ratio Lower Upper
112 100
64 60.8 49.5 74.3
63 32.3 26.3 39.5

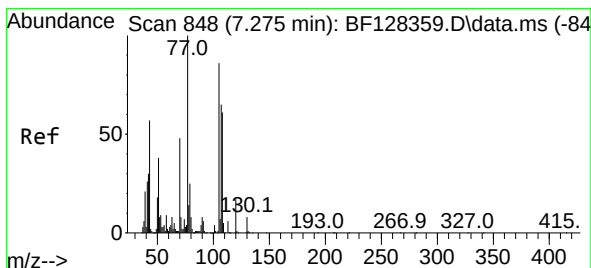
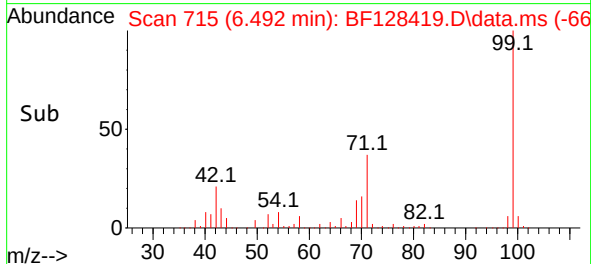
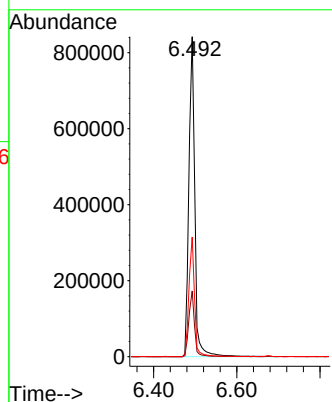
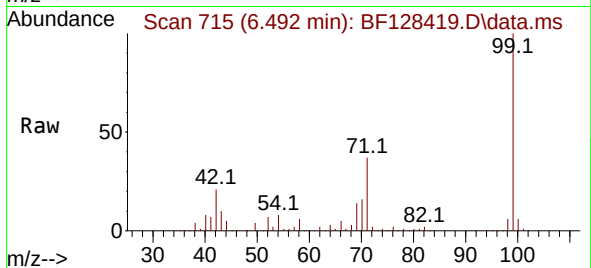




#7
Phenol-d6
Concen: 85.908 ng
RT: 6.492 min Scan# 716
Delta R.T. -0.006 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

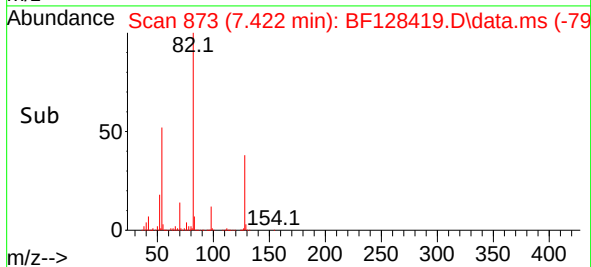
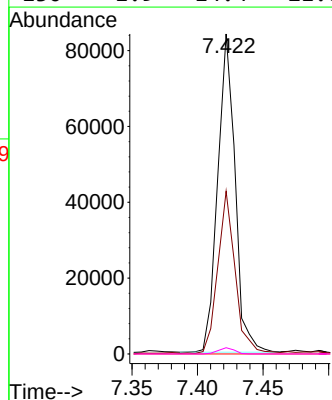
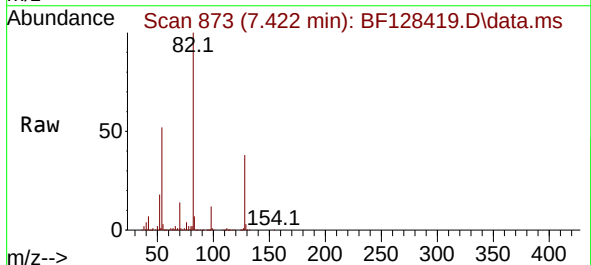
Instrument :
BNA_F
ClientSampleId :
EO-01-051922

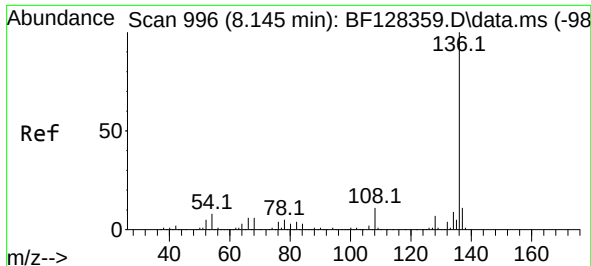
Tgt Ion: 99 Resp: 827766
Ion Ratio Lower Upper
99 100
42 20.6 16.6 24.8
71 37.4 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.377 ng
RT: 7.422 min Scan# 873
Delta R.T. 0.147 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

Tgt Ion: 70 Resp: 77087
Ion Ratio Lower Upper
70 100
42 50.8 48.7 73.1
101 0.0 7.2 10.8#
130 1.9 14.4 21.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.139 min Scan# 996

Delta R.T. -0.006 min

Lab File: BF128419.D

Acq: 24 May 2022 00:37

Instrument :

BNA_F

ClientSampleId :

EO-01-051922

Tgt Ion:136 Resp: 428211

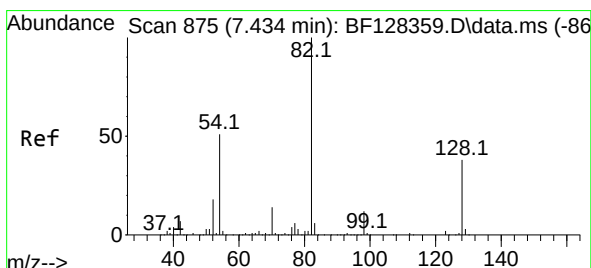
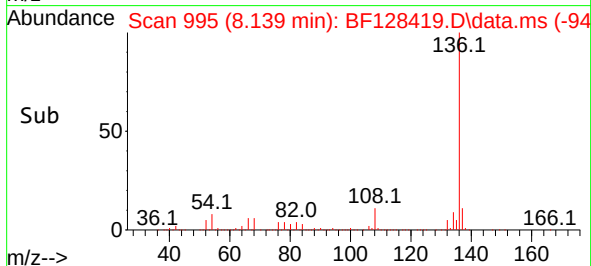
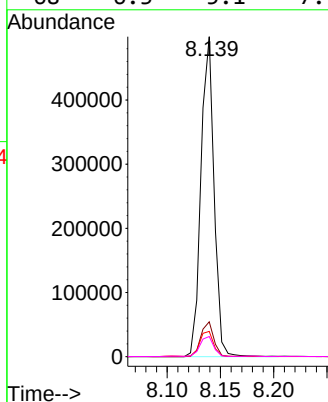
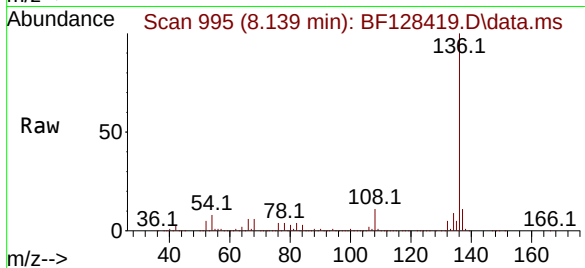
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 7.9 6.8 10.2

68 6.3 5.1 7.7



#23

Nitrobenzene-d5

Concen: 60.069 ng

RT: 7.422 min Scan# 873

Delta R.T. -0.012 min

Lab File: BF128419.D

Acq: 24 May 2022 00:37

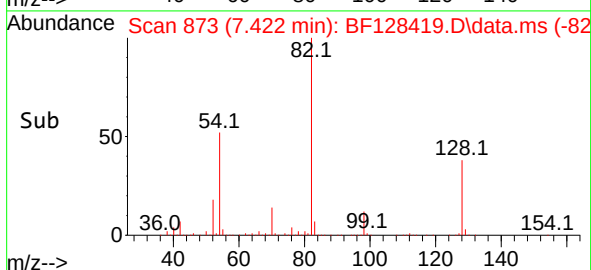
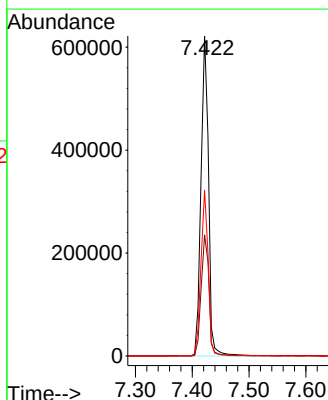
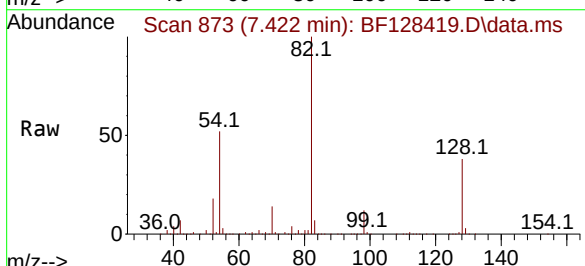
Tgt Ion: 82 Resp: 574093

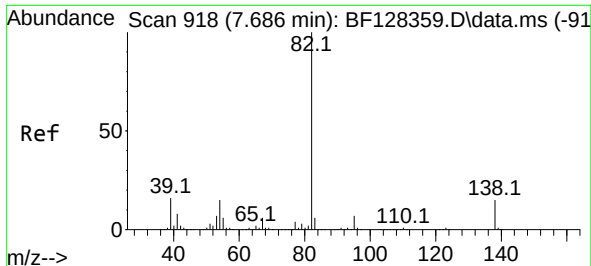
Ion Ratio Lower Upper

82 100

128 37.9 30.0 45.0

54 51.7 41.3 61.9





#25

Isophorone

Concen: 38.949 ng

RT: 7.422 min Scan# 81

Delta R.T. -0.265 min

Lab File: BF128419.D

Acq: 24 May 2022 00:37

Instrument :

BNA_F

ClientSampleId :

EO-01-051922

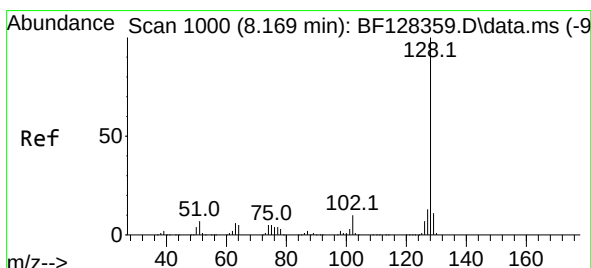
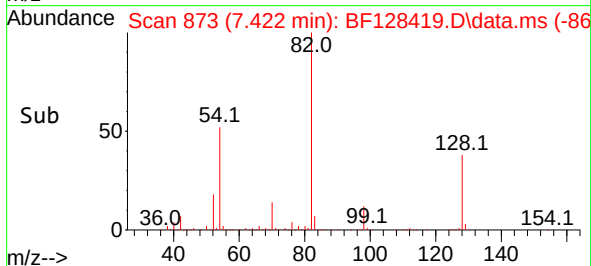
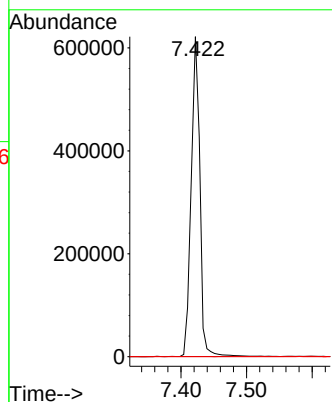
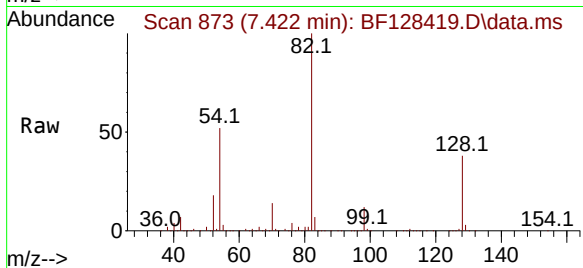
Tgt Ion: 82 Resp: 570447

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 12.5 18.7#



#31

Naphthalene

Concen: 4.327 ng

RT: 8.157 min Scan# 998

Delta R.T. -0.012 min

Lab File: BF128419.D

Acq: 24 May 2022 00:37

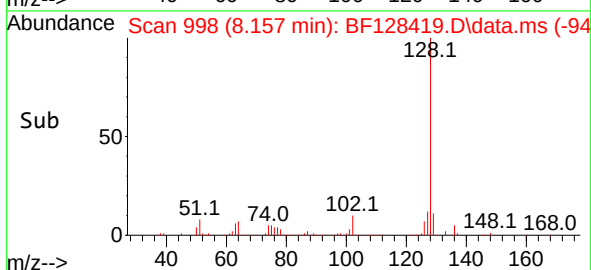
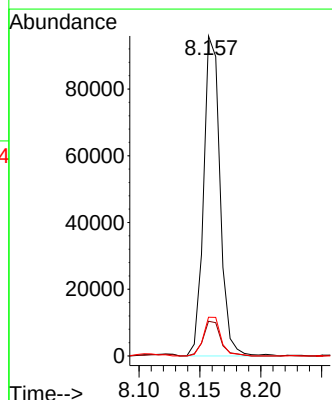
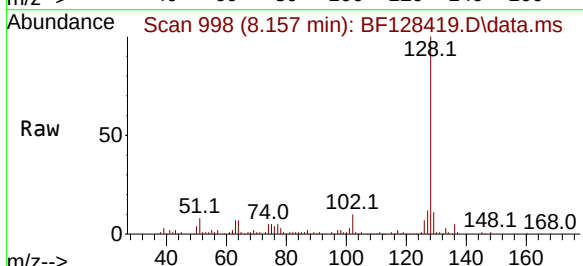
Tgt Ion: 128 Resp: 90284

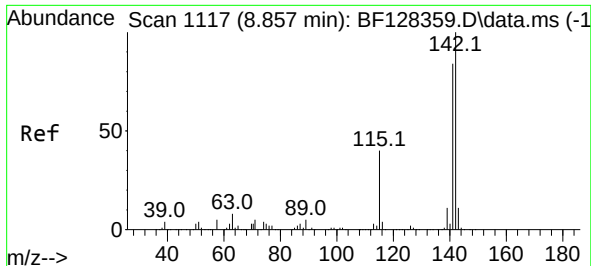
Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.4

127 12.1 10.6 16.0

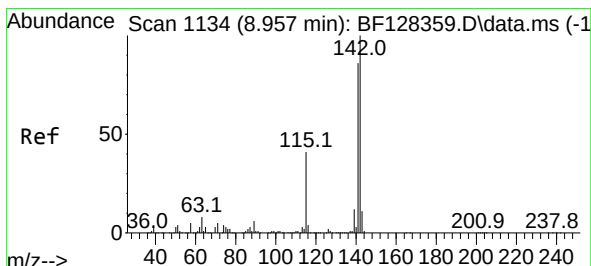
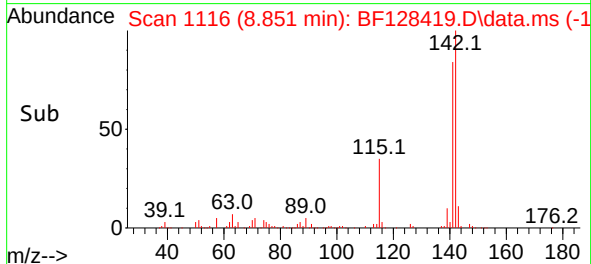
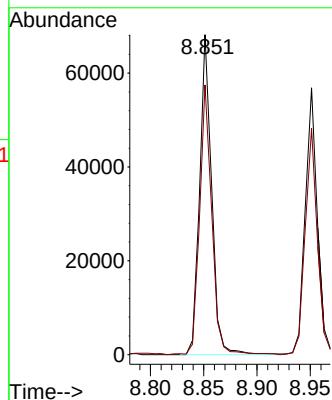
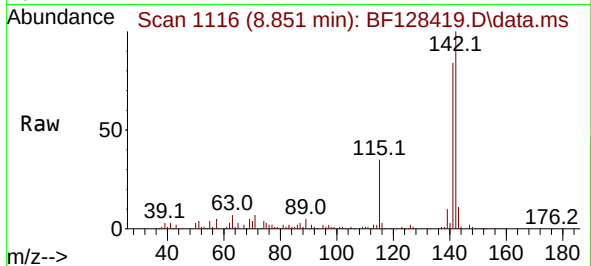




#37
2-Methylnaphthalene
Concen: 3.929 ng
RT: 8.851 min Scan# 1116
Delta R.T. -0.006 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

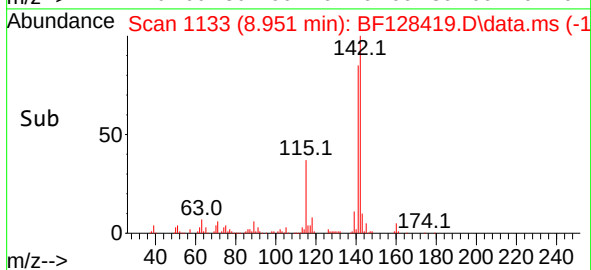
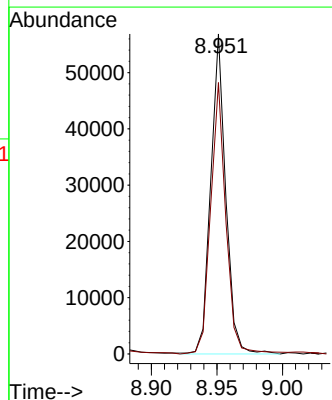
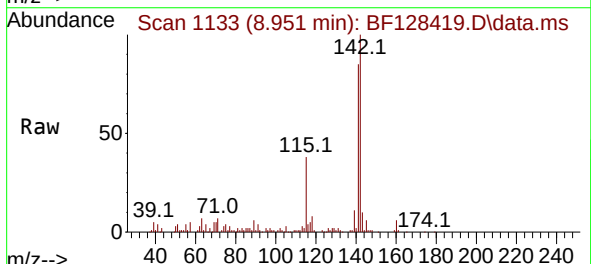
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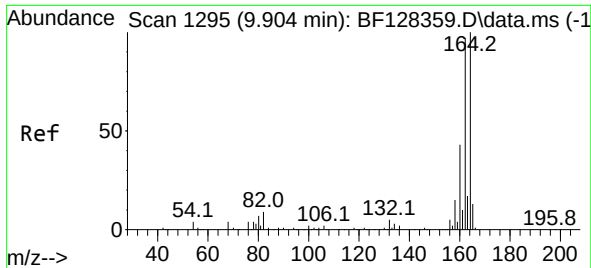
Tgt Ion:142 Resp: 53757
Ion Ratio Lower Upper
142 100
141 84.3 67.4 101.2



#38
1-Methylnaphthalene
Concen: 3.446 ng
RT: 8.951 min Scan# 1133
Delta R.T. -0.006 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

Tgt Ion:142 Resp: 45349
Ion Ratio Lower Upper
142 100
141 84.8 70.1 105.1

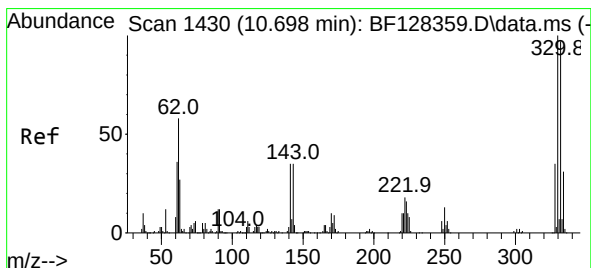
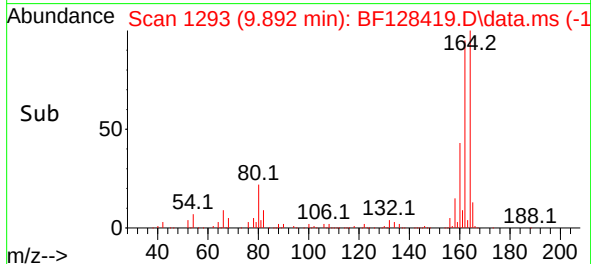
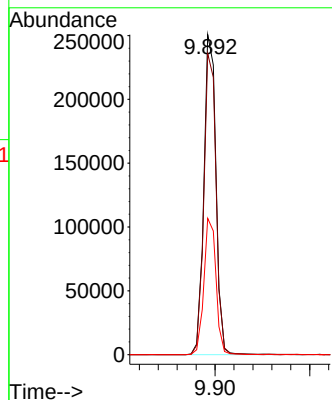
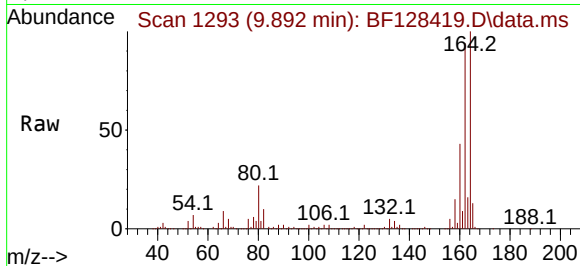




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.892 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

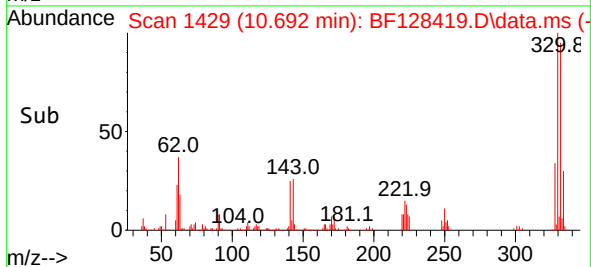
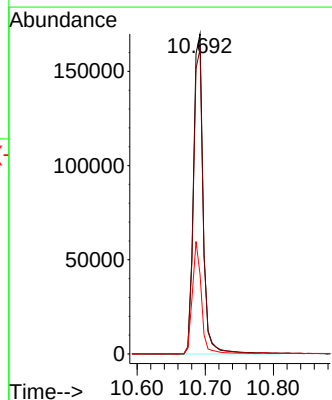
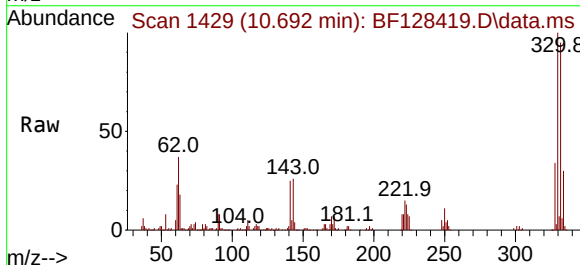
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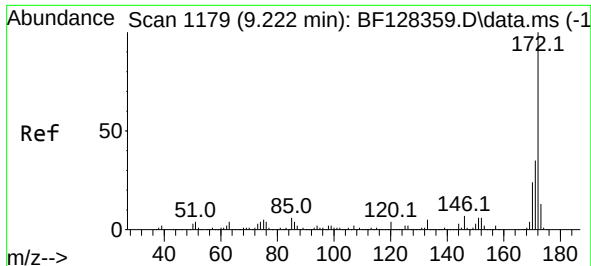
Tgt Ion:164 Resp: 222676
Ion Ratio Lower Upper
164 100
162 94.1 76.0 114.0
160 42.6 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 72.717 ng
RT: 10.692 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

Tgt Ion:330 Resp: 166992
Ion Ratio Lower Upper
330 100
332 95.8 79.0 118.4
141 32.8 28.9 43.3





#45

2-Fluorobiphenyl

Concen: 61.947 ng

RT: 9.216 min Scan# 1178

Delta R.T. -0.006 min

Lab File: BF128419.D

Acq: 24 May 2022 00:37

Instrument :

BNA_F

ClientSampleId :

EO-01-051922

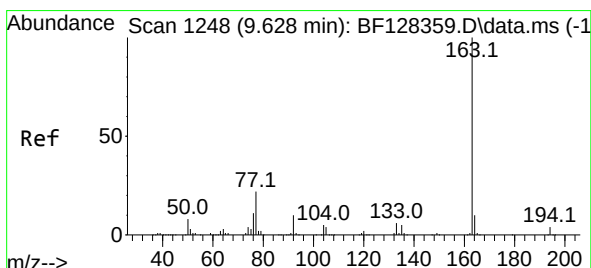
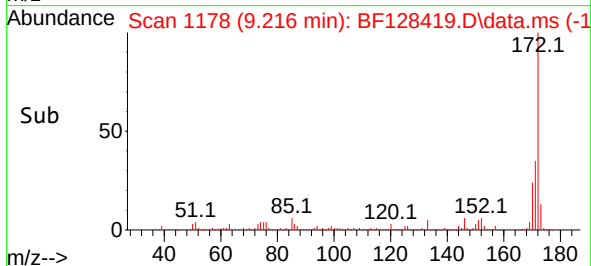
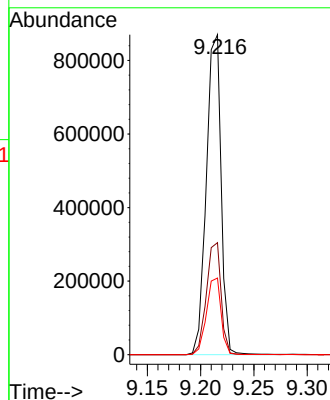
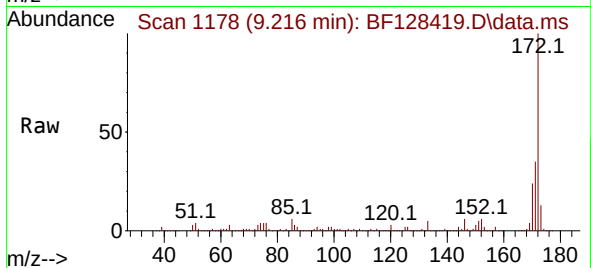
Tgt Ion:172 Resp: 843508

Ion Ratio Lower Upper

172 100

171 35.0 28.6 42.8

170 24.0 19.1 28.7



#50

Dimethylphthalate

Concen: 2.944 ng

RT: 9.610 min Scan# 1245

Delta R.T. -0.018 min

Lab File: BF128419.D

Acq: 24 May 2022 00:37

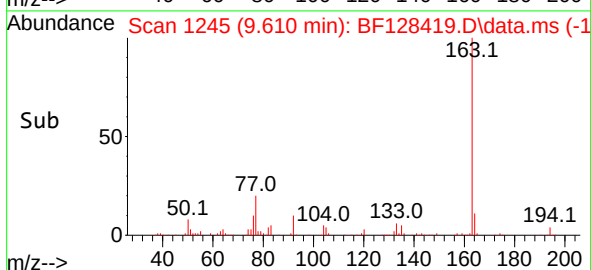
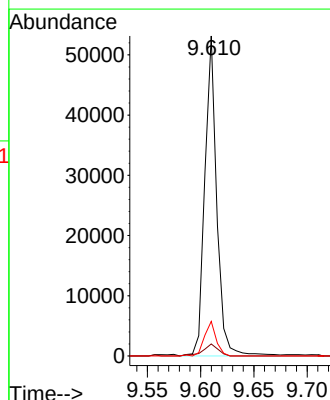
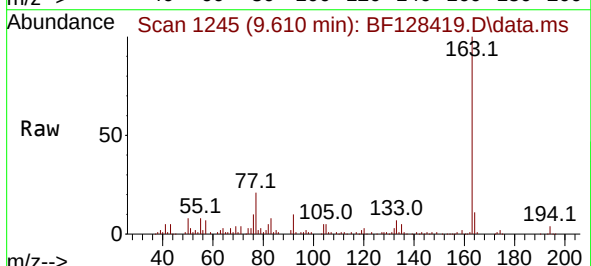
Tgt Ion:163 Resp: 41755

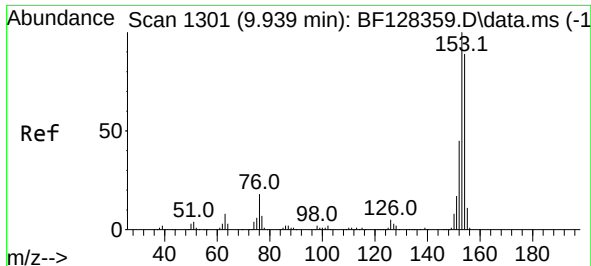
Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

164 10.8 8.6 13.0

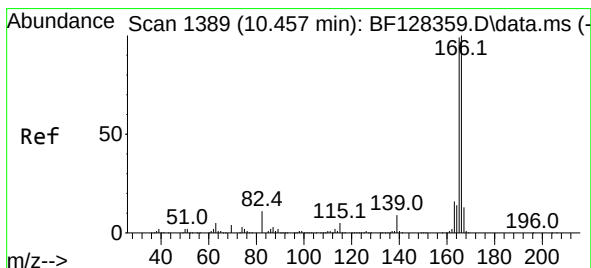
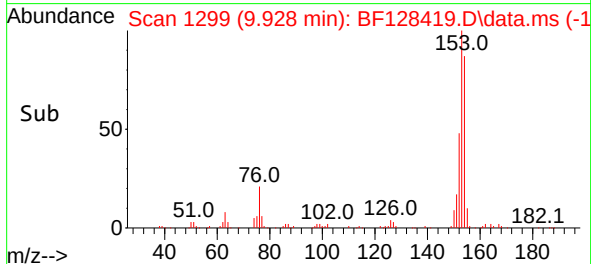
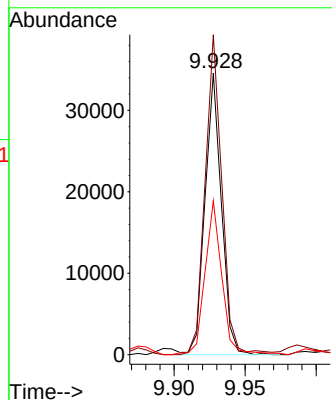
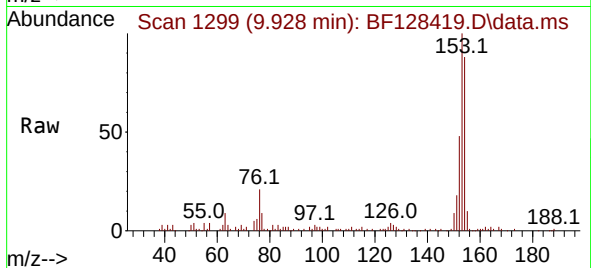




#52
Acenaphthene
Concen: 2.487 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

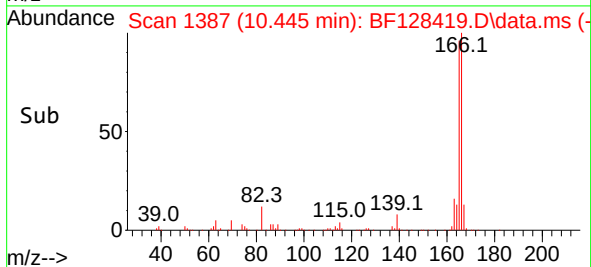
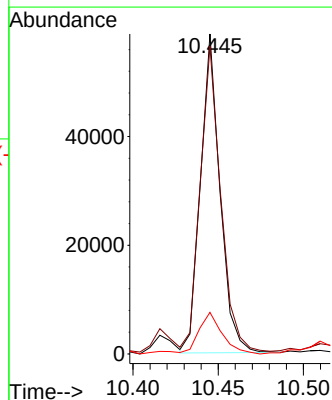
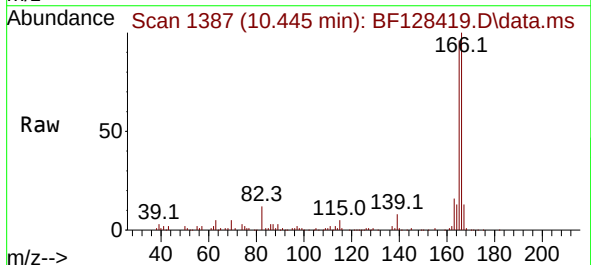
Instrument :
BNA_F
ClientSampleId :
EO-01-051922

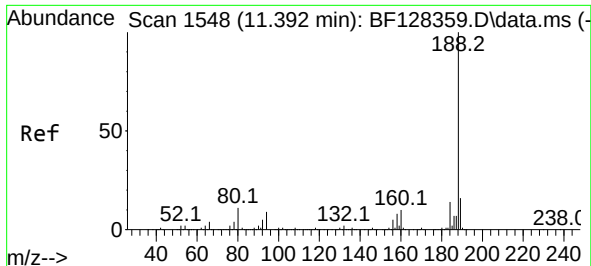
Tgt Ion:154 Resp: 27892
Ion Ratio Lower Upper
154 100
153 113.7 90.5 135.7
152 54.7 41.0 61.6



#58
Fluorene
Concen: 3.515 ng
RT: 10.445 min Scan# 1387
Delta R.T. -0.012 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

Tgt Ion:166 Resp: 46836
Ion Ratio Lower Upper
166 100
165 96.2 78.6 117.8
167 13.0 10.5 15.7

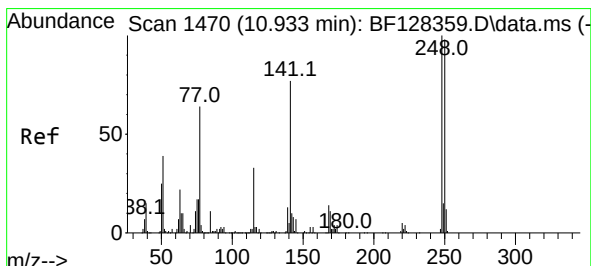
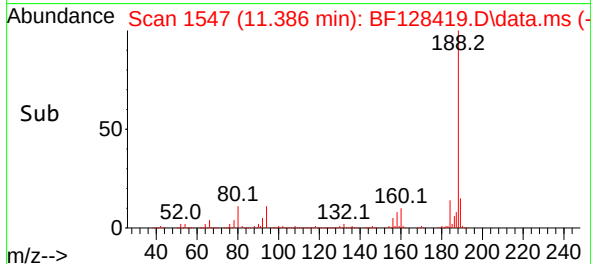
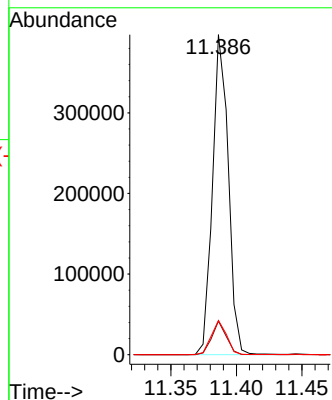
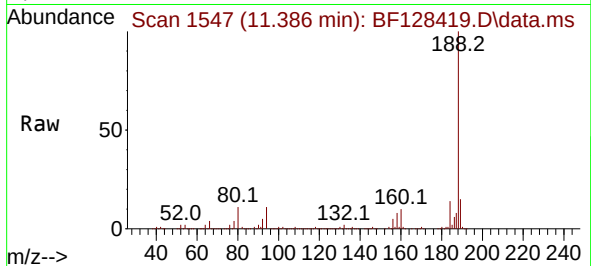




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

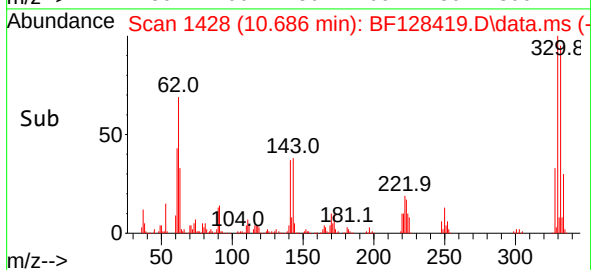
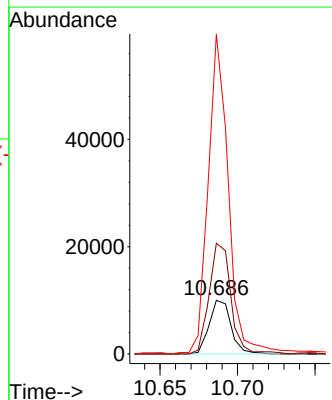
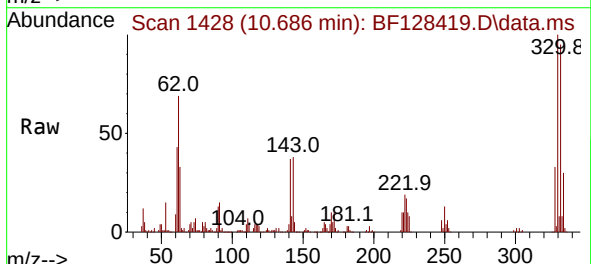
Instrument :
BNA_F
ClientSampleId :
EO-01-051922

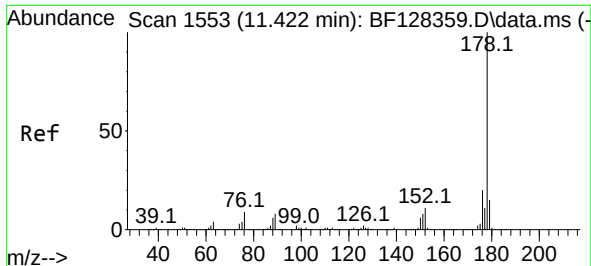
Tgt Ion:188 Resp: 332856
Ion Ratio Lower Upper
188 100
94 10.5 8.0 12.0
80 10.7 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 2.812 ng
RT: 10.686 min Scan# 1428
Delta R.T. -0.247 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

Tgt Ion:248 Resp: 9795
Ion Ratio Lower Upper
248 100
250 206.3 77.7 116.5#
141 596.5 65.6 98.4#

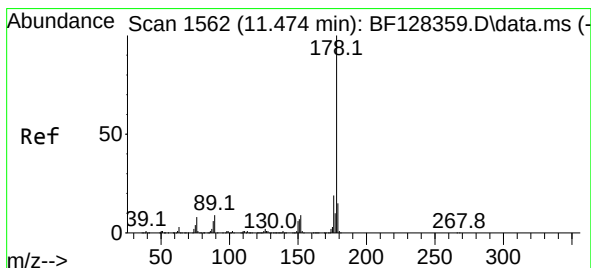
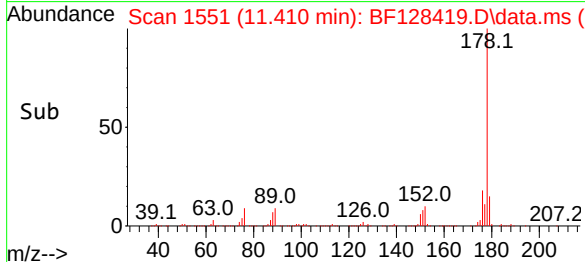
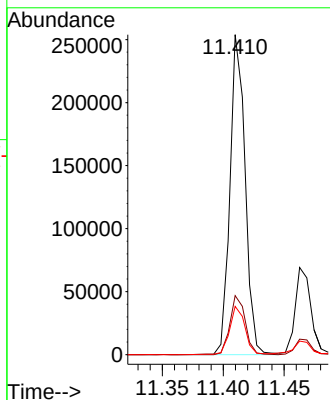
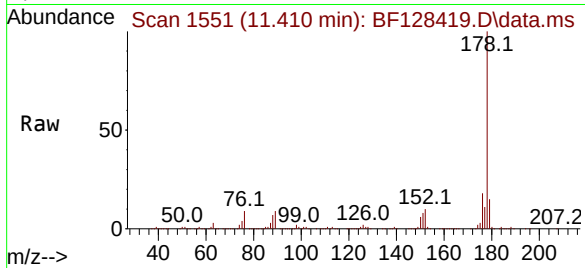




#71
Phenanthrene
Concen: 13.582 ng
RT: 11.410 min Scan# 1553
Delta R.T. -0.012 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

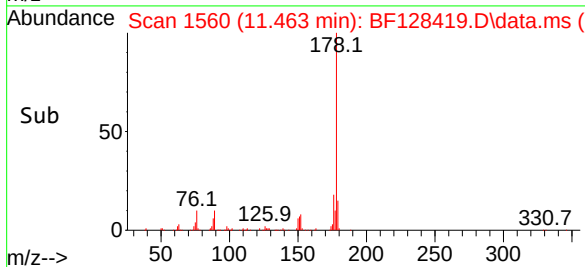
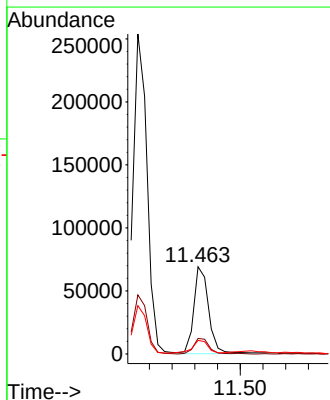
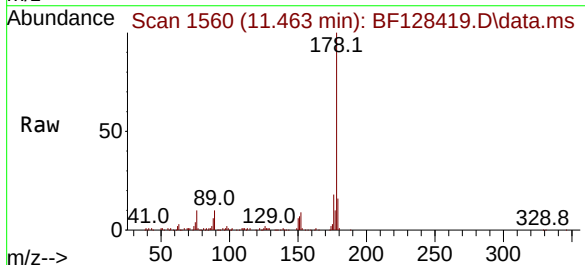
Instrument :
BNA_F
ClientSampleId :
EO-01-051922

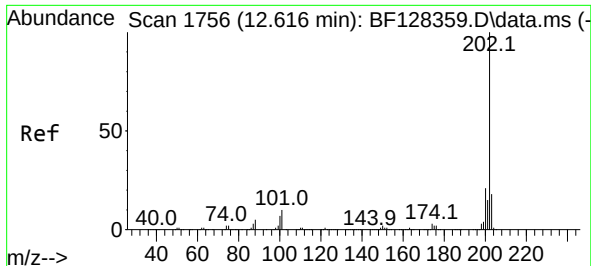
Tgt Ion:178 Resp: 220629
Ion Ratio Lower Upper
178 100
176 18.4 15.7 23.5
179 15.1 12.6 19.0



#72
Anthracene
Concen: 3.922 ng
RT: 11.463 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

Tgt Ion:178 Resp: 63322
Ion Ratio Lower Upper
178 100
176 17.9 15.0 22.6
179 15.5 12.4 18.6

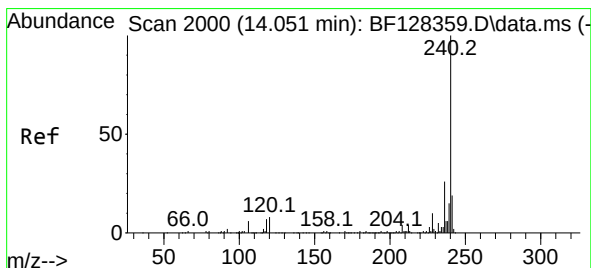
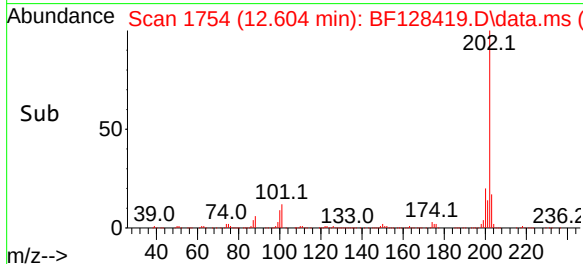
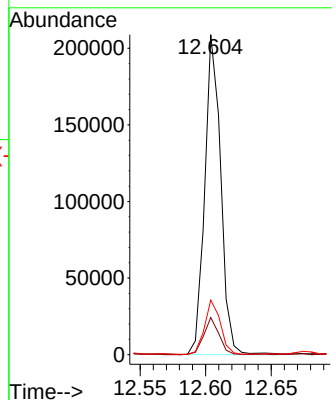
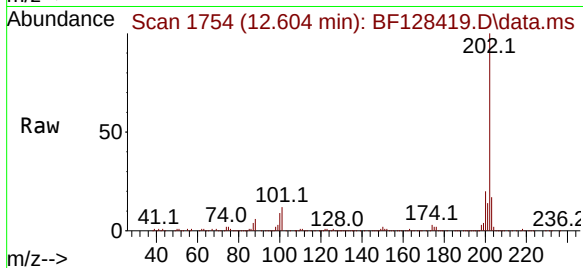




#75
Fluoranthene
Concen: 10.114 ng
RT: 12.604 min Scan# 1754
Delta R.T. -0.012 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

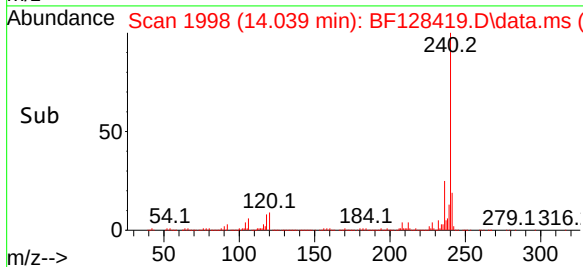
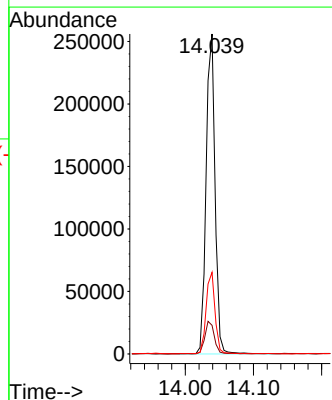
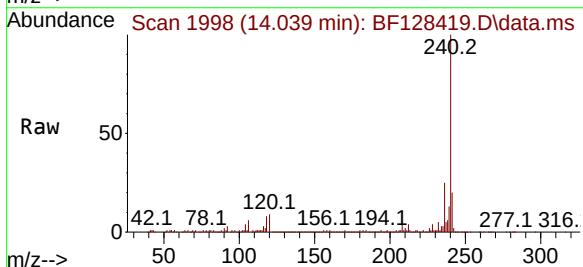
Instrument :
BNA_F
ClientSampleId :
EO-01-051922

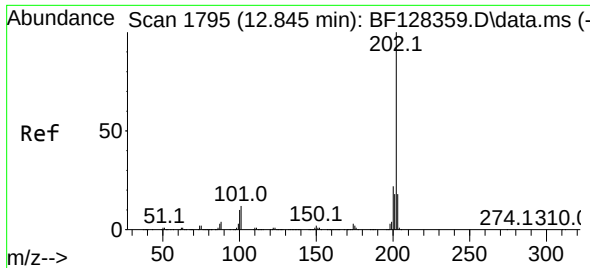
Tgt Ion:202 Resp: 177922
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.6
203 17.0 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.012 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

Tgt Ion:240 Resp: 234493
Ion Ratio Lower Upper
240 100
120 9.0 7.0 10.6
236 25.5 20.3 30.5

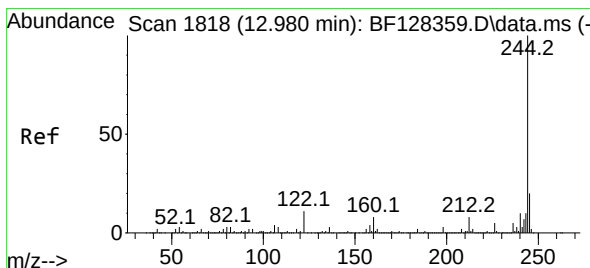
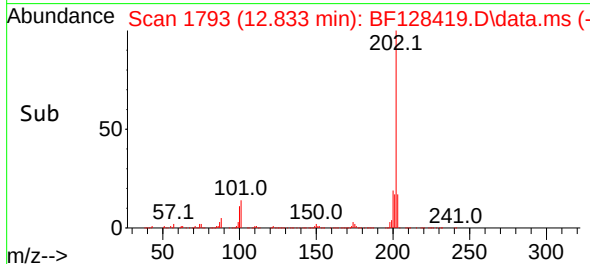
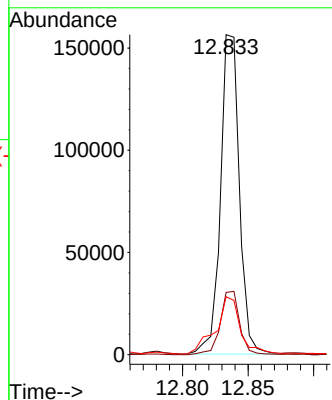
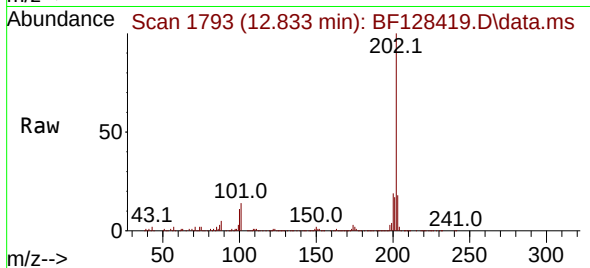




#78
 Pyrene
 Concen: 8.889 ng
 RT: 12.833 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF128419.D
 Acq: 24 May 2022 00:37

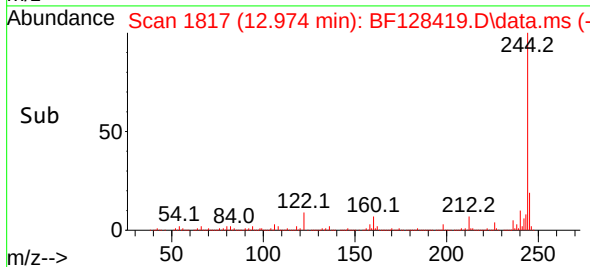
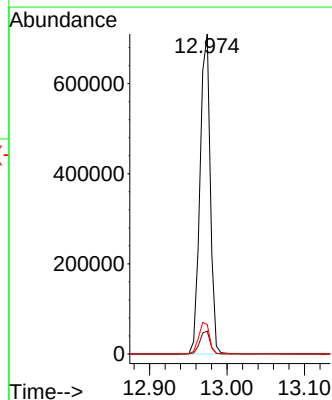
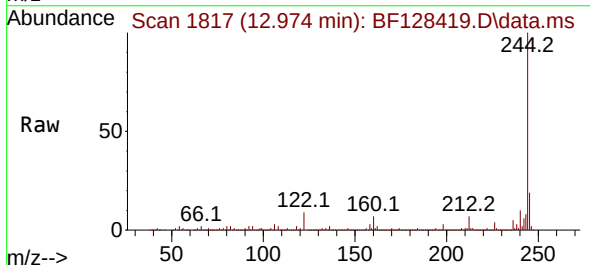
Instrument :
 BNA_F
 ClientSampleId :
 EO-01-051922

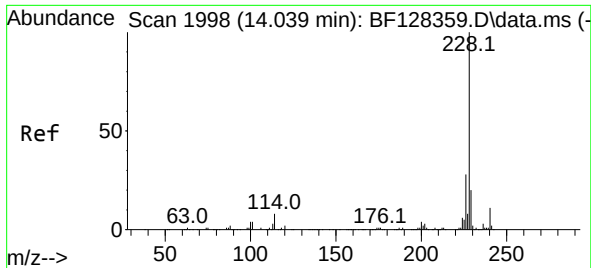
Tgt Ion:202 Resp: 156074
 Ion Ratio Lower Upper
 202 100
 200 19.4 17.4 26.2
 203 18.1 14.0 21.0



#79
 Terphenyl-d14
 Concen: 53.696 ng
 RT: 12.974 min Scan# 1817
 Delta R.T. -0.006 min
 Lab File: BF128419.D
 Acq: 24 May 2022 00:37

Tgt Ion:244 Resp: 652261
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.2 9.4
 122 9.2 8.6 12.8

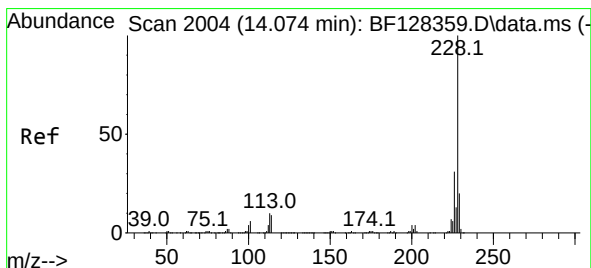
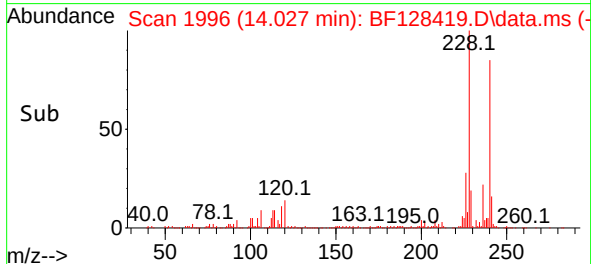
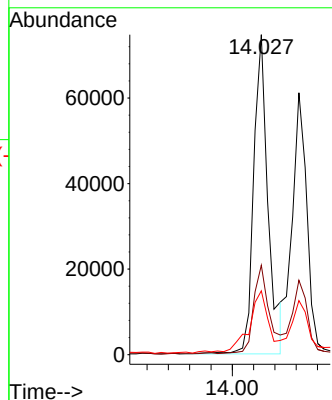
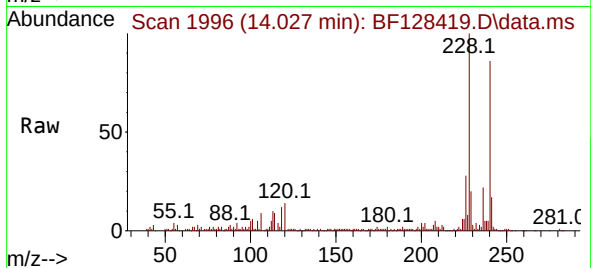




#81
Benzo(a)anthracene
Concen: 4.693 ng
RT: 14.027 min Scan# 1998
Delta R.T. -0.012 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

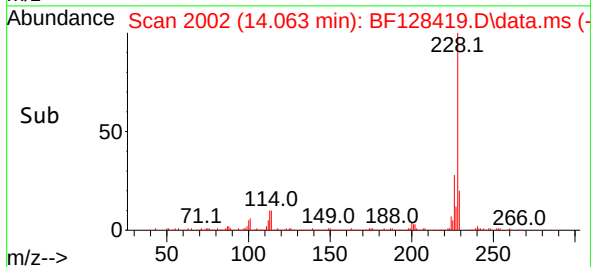
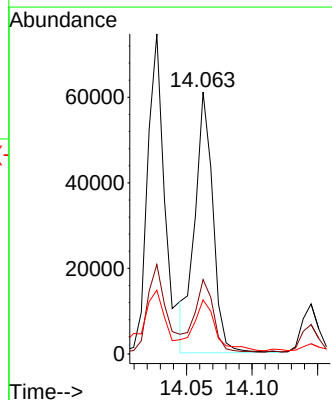
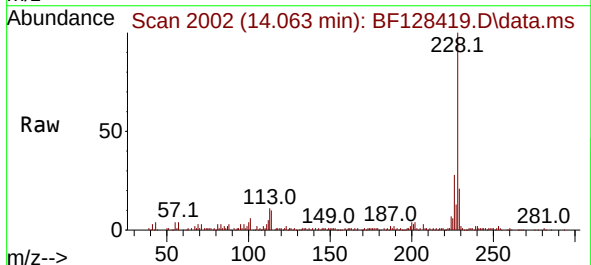
Instrument :
BNA_F
ClientSampleId :
EO-01-051922

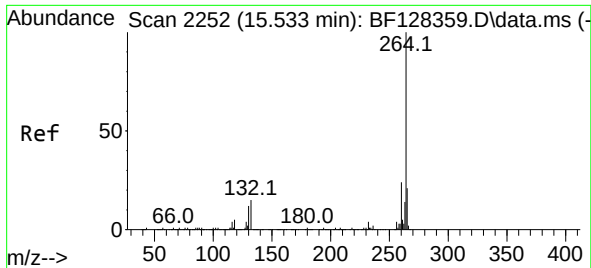
Tgt Ion:228 Resp: 70020
Ion Ratio Lower Upper
228 100
226 27.9 21.7 32.5
229 20.0 15.4 23.2



#83
Chrysene
Concen: 4.124 ng
RT: 14.063 min Scan# 2002
Delta R.T. -0.012 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

Tgt Ion:228 Resp: 58596
Ion Ratio Lower Upper
228 100
226 28.4 24.4 36.6
229 20.7 15.8 23.8

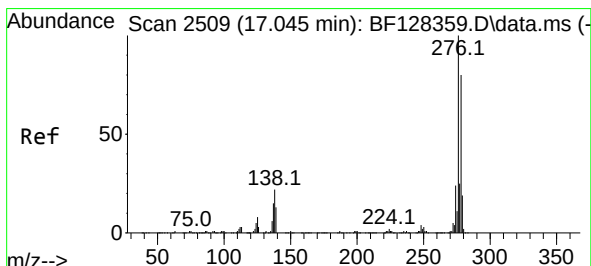
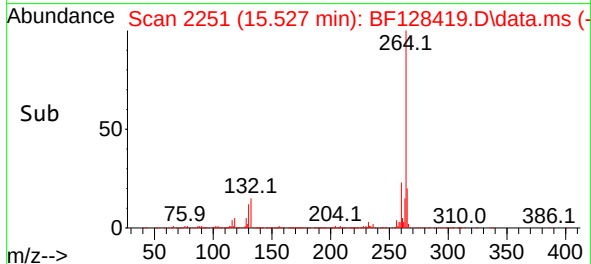
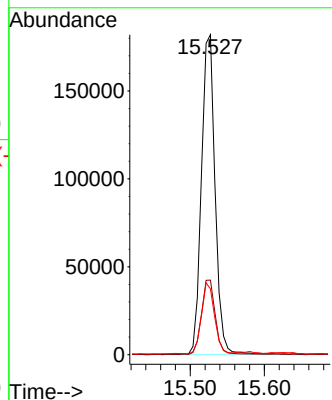
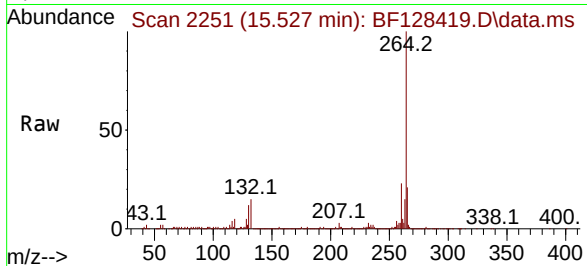




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

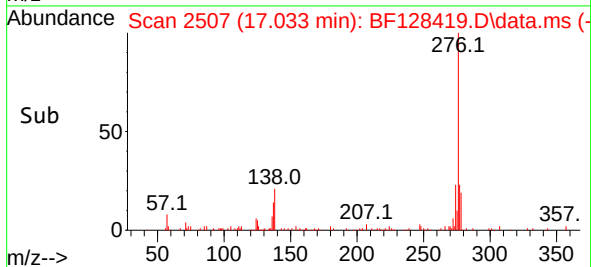
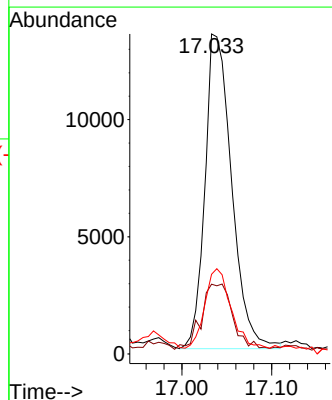
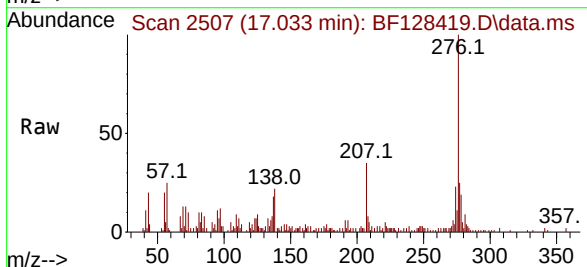
Instrument :
BNA_F
ClientSampleId :
EO-01-051922

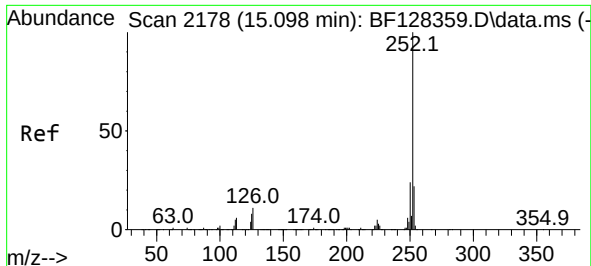
Tgt Ion:264 Resp: 232948
Ion Ratio Lower Upper
264 100
260 23.3 20.1 30.1
265 20.5 17.5 26.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.097 ng
RT: 17.033 min Scan# 2507
Delta R.T. -0.012 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

Tgt Ion:276 Resp: 27884
Ion Ratio Lower Upper
276 100
138 25.7 19.0 28.4
277 24.4 20.1 30.1

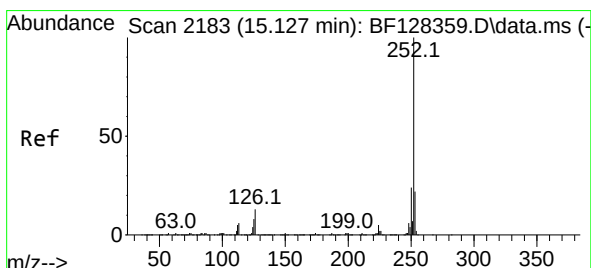
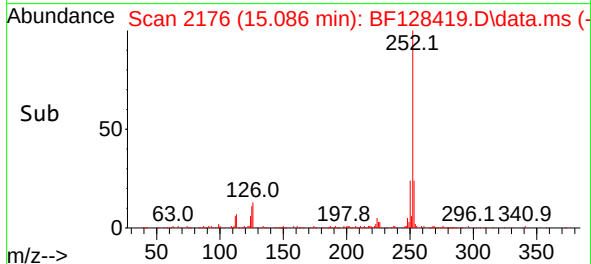
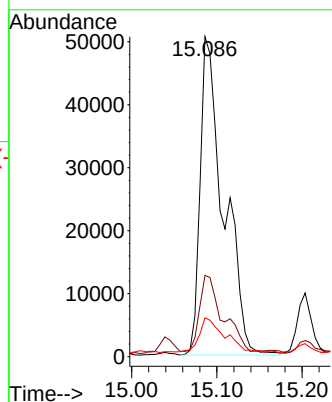
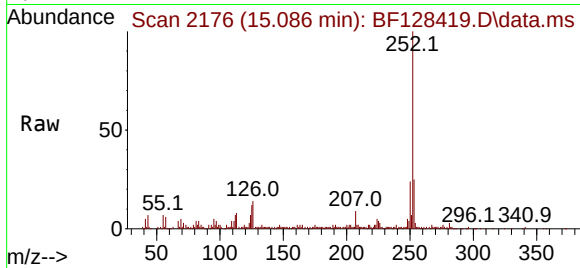




#88
Benzo(b)fluoranthene
Concen: 6.694 ng
RT: 15.086 min Scan# 2176
Delta R.T. -0.012 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

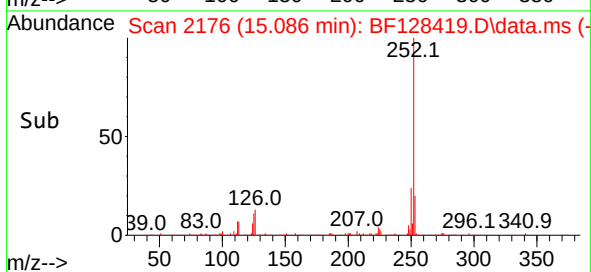
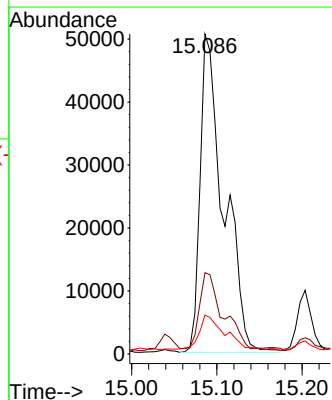
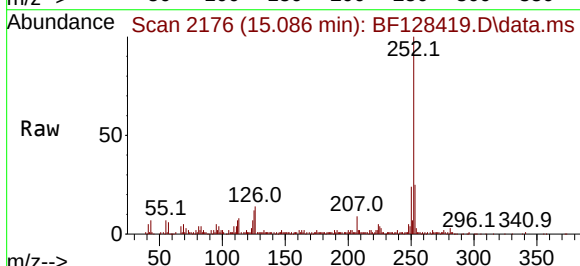
Instrument :
BNA_F
ClientSampleId :
EO-01-051922

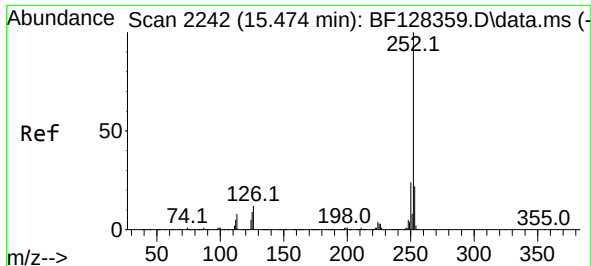
Tgt Ion:252 Resp: 97006
Ion Ratio Lower Upper
252 100
253 25.4 17.4 26.2
125 12.1 7.4 11.2#



#89
Benzo(k)fluoranthene
Concen: 7.147 ng
RT: 15.086 min Scan# 2176
Delta R.T. -0.041 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

Tgt Ion:252 Resp: 97006
Ion Ratio Lower Upper
252 100
253 25.4 17.0 25.4
125 12.1 6.8 10.2#

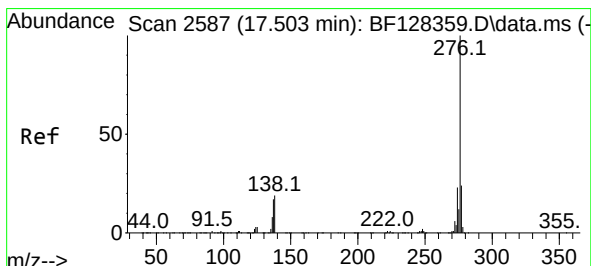
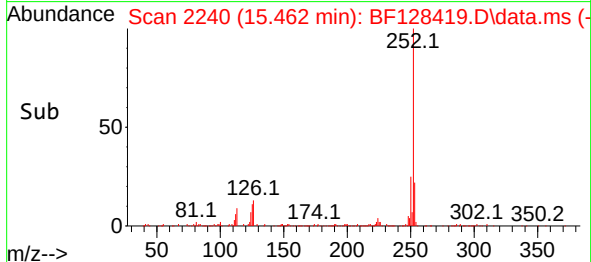
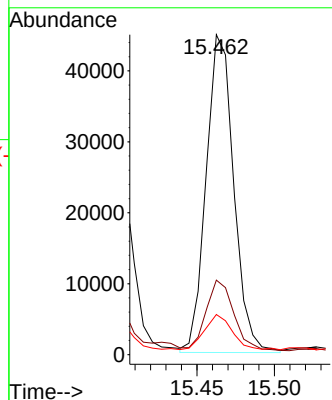
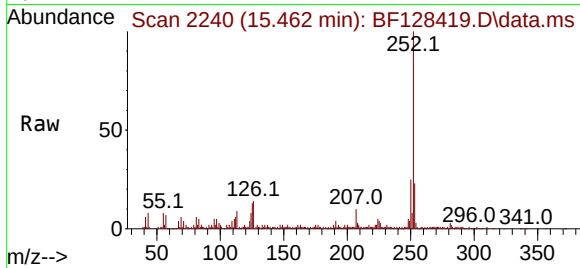




#90
Benzo(a)pyrene
Concen: 4.771 ng
RT: 15.462 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

Instrument :
BNA_F
ClientSampleId :
EO-01-051922

Tgt Ion:252 Resp: 55502
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.6
125 12.5 9.2 13.8



#92
Benzo(g,h,i)perylene
Concen: 2.464 ng
RT: 17.498 min Scan# 2586
Delta R.T. -0.006 min
Lab File: BF128419.D
Acq: 24 May 2022 00:37

Tgt Ion:276 Resp: 27426
Ion Ratio Lower Upper
276 100
277 26.7 18.8 28.2
138 22.3 16.2 24.2

