

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051822\
 Data File : BF128328.D
 Acq On : 18 May 2022 23:22
 Operator : CG\JU
 Sample : N2901-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-051722

Quant Time: May 19 06:51:24 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 19 06:47:51 2022
 Response via : Initial Calibration

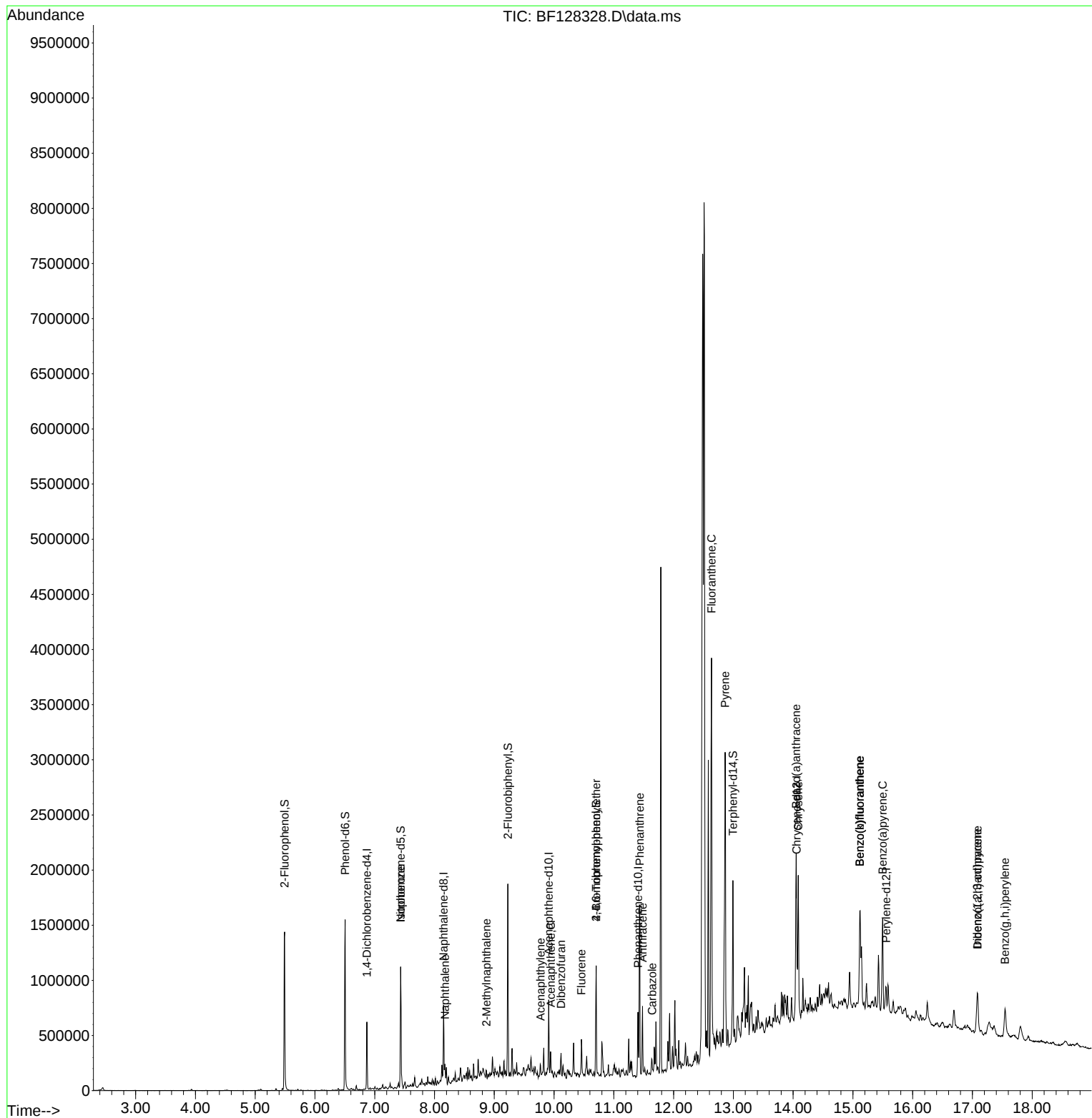
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	74930	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	256138	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	123860	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	194188	20.000	ng	0.00
76) Chrysene-d12	14.057	240	126524	20.000	ng	# 0.00
86) Perylene-d12	15.557	264	98520	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	380684	80.990	ng	0.00
7) Phenol-d6	6.504	99	472819	76.053	ng	0.00
23) Nitrobenzene-d5	7.434	82	318922	56.026	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	101730	71.614	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	444873	56.200	ng	0.00
79) Terphenyl-d14	12.992	244	474415	70.358	ng	0.00
Target Compounds						
9) Benzaldehyde	6.434	77	412	Below Cal		Qvalue # 25
25) Isophorone	7.434	82	318311	35.668	ng	# 68
31) Naphthalene	8.175	128	48245	3.814	ng	99
37) 2-Methylnaphthalene	8.869	142	19394	2.274	ng	96
49) Acenaphthylene	9.775	152	32319	3.197	ng	98
52) Acenaphthene	9.945	154	42650	6.085	ng	99
55) Dibenzofuran	10.116	168	50357	5.060	ng	99
58) Fluorene	10.457	166	80042	10.326	ng	98
67) 4-Bromophenyl-phenylether	10.704	248	6441	3.083	ng	# 1
71) Phenanthrene	11.433	178	598581	61.905	ng	99
72) Anthracene	11.480	178	219153	22.701	ng	99
73) Carbazole	11.639	167	44088	4.803	ng	95
75) Fluoranthene	12.633	202	1478053	140.994	ng	99
78) Pyrene	12.863	202	1285614	140.135	ng	99
81) Benzo(a)anthracene	14.051	228	595982	73.747	ng	97
83) Chrysene	14.086	228	459438	59.582	ng	98
87) Indeno(1,2,3-cd)pyrene	17.080	276	247877	41.593	ng	# 93
88) Benzo(b)fluoranthene	15.116	252	747374	122.376	ng	96
89) Benzo(k)fluoranthene	15.116	252	747374	123.972	ng	94
90) Benzo(a)pyrene	15.498	252	404452	82.031	ng	96
91) Dibenzo(a,h)anthracene	17.086	278	60108	12.458	ng	# 83
92) Benzo(g,h,i)perylene	17.545	276	235635	48.234	ng	97

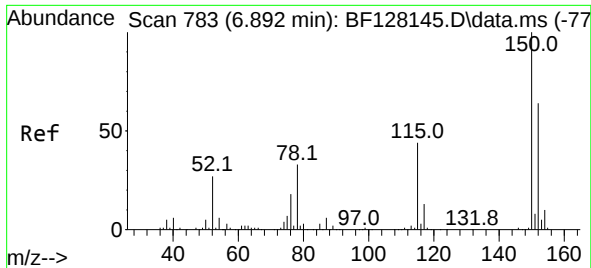
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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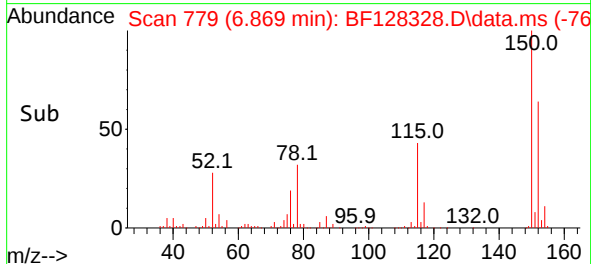
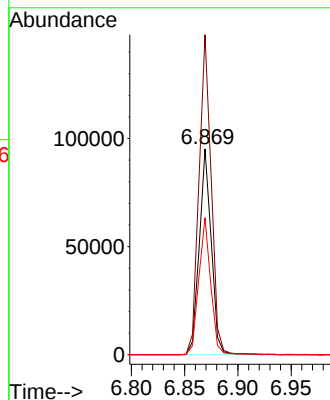
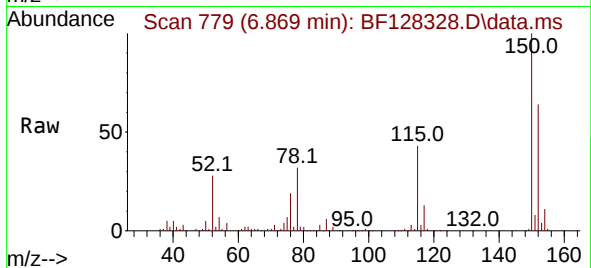




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: BF128328.D
 Acq: 18 May 2022 23:22

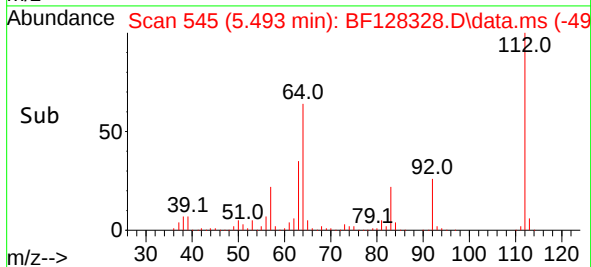
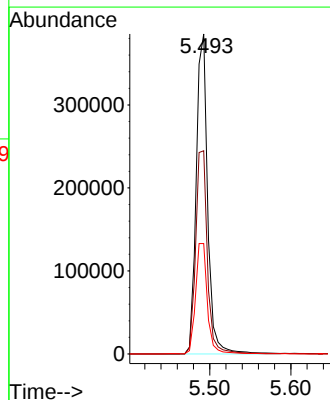
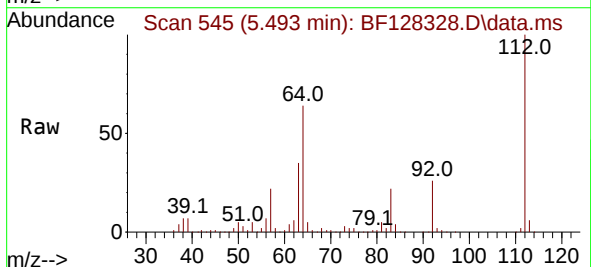
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-051722

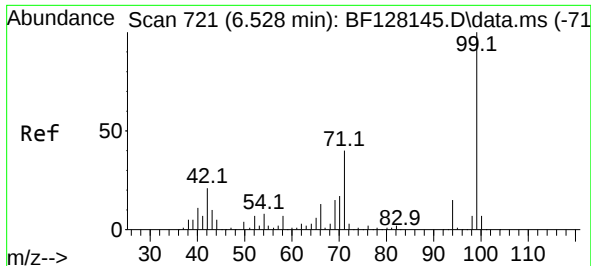
Tgt Ion:152 Resp: 74930
 Ion Ratio Lower Upper
 152 100
 150 155.6 125.3 187.9
 115 66.6 48.8 73.2



#5
 2-Fluorophenol
 Concen: 80.990 ng
 RT: 5.493 min Scan# 545
 Delta R.T. 0.000 min
 Lab File: BF128328.D
 Acq: 18 May 2022 23:22

Tgt Ion:112 Resp: 380684
 Ion Ratio Lower Upper
 112 100
 64 63.5 49.5 74.3
 63 34.5 26.3 39.5





#7

Phenol-d6

Concen: 76.053 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF128328.D

Acq: 18 May 2022 23:22

Instrument :

BNA_F

ClientSampleId :

EO-02-051722

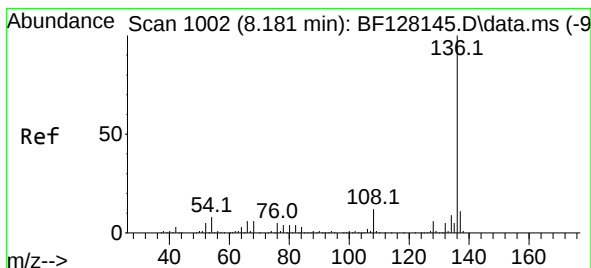
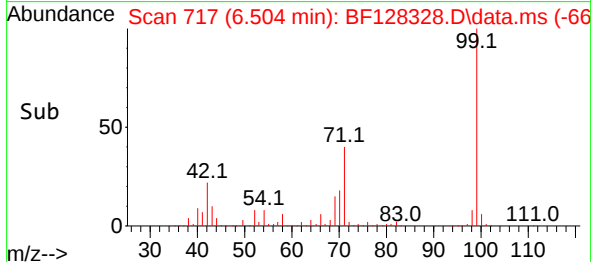
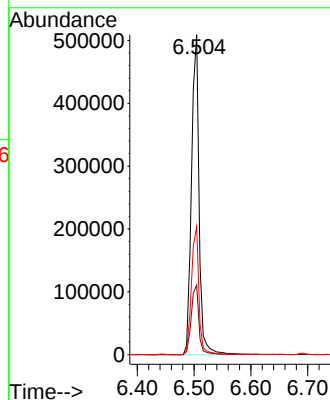
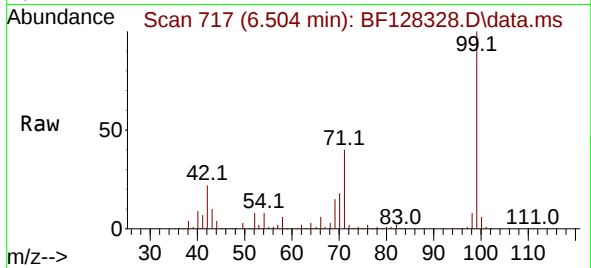
Tgt Ion: 99 Resp: 472819

Ion Ratio Lower Upper

99 100

42 21.7 16.6 24.8

71 40.1 30.0 45.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 997

Delta R.T. -0.006 min

Lab File: BF128328.D

Acq: 18 May 2022 23:22

Tgt Ion: 136 Resp: 256138

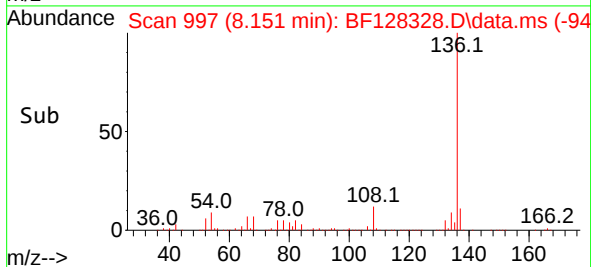
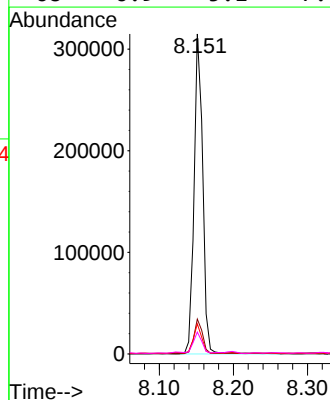
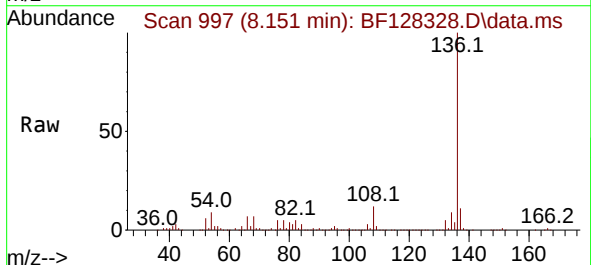
Ion Ratio Lower Upper

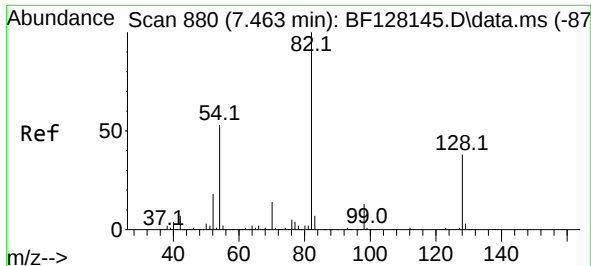
136 100

137 10.9 8.6 13.0

54 9.4 6.8 10.2

68 6.9 5.1 7.7

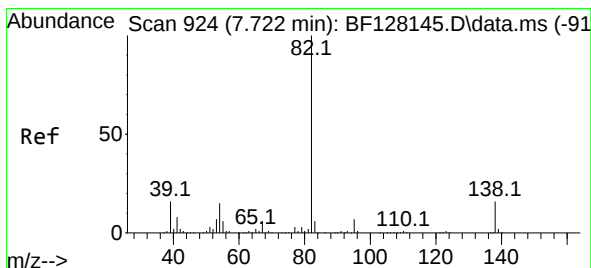
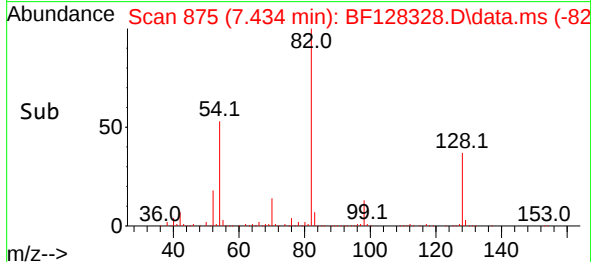
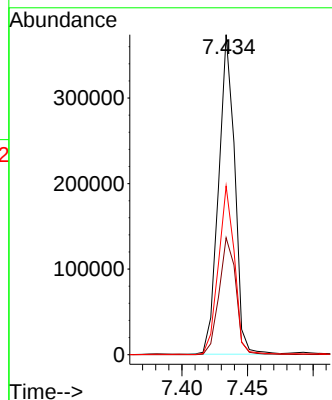
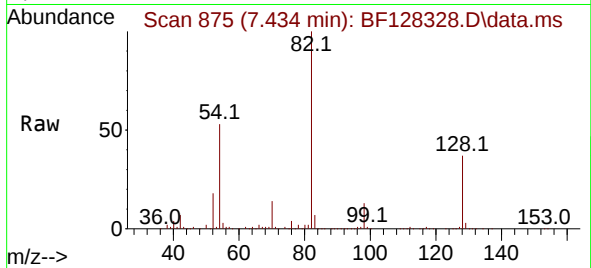




#23
Nitrobenzene-d5
Concen: 56.026 ng
RT: 7.434 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF128328.D
Acq: 18 May 2022 23:22

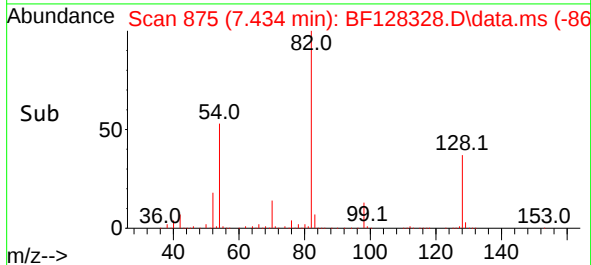
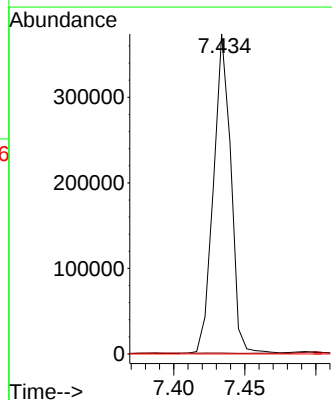
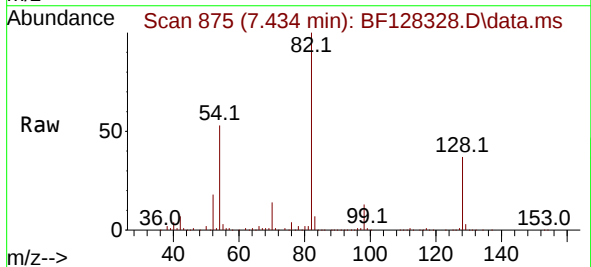
Instrument :
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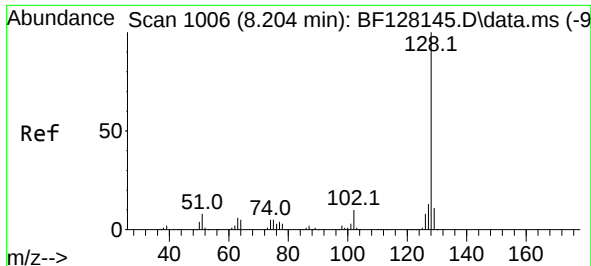
Tgt Ion: 82 Resp: 318922
Ion Ratio Lower Upper
82 100
128 36.6 30.0 45.0
54 52.7 41.3 61.9



#25
Isophorone
Concen: 35.668 ng
RT: 7.434 min Scan# 875
Delta R.T. -0.264 min
Lab File: BF128328.D
Acq: 18 May 2022 23:22

Tgt Ion: 82 Resp: 318311
Ion Ratio Lower Upper
82 100
95 0.3 5.6 8.4#
138 0.0 12.5 18.7#

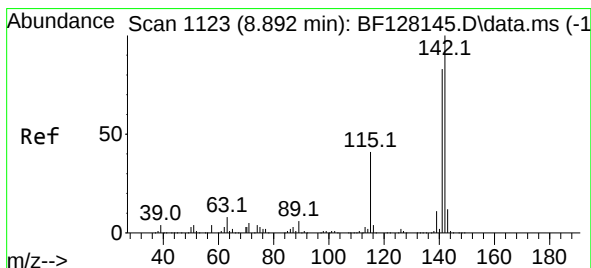
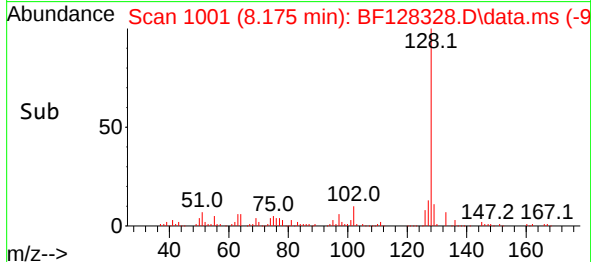
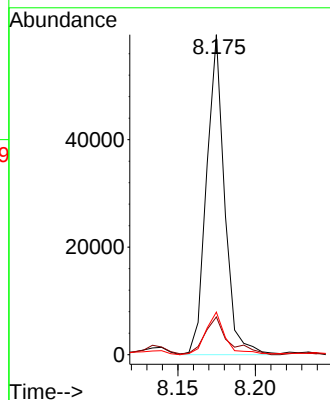
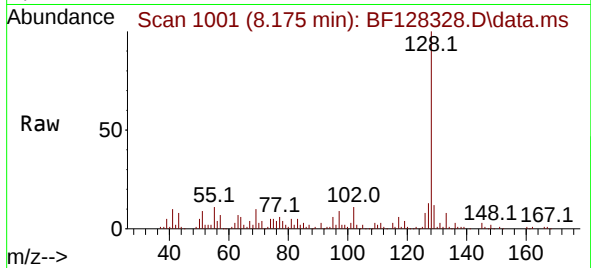




#31
Naphthalene
Concen: 3.814 ng
RT: 8.175 min Scan# 1119
Delta R.T. -0.006 min
Lab File: BF128328.D
Acq: 18 May 2022 23:22

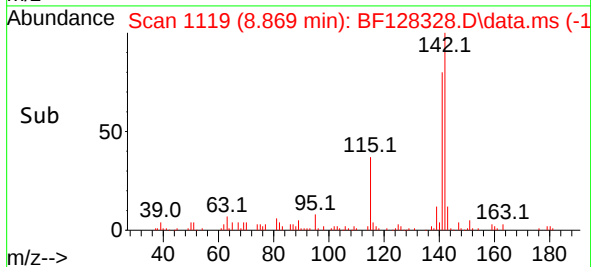
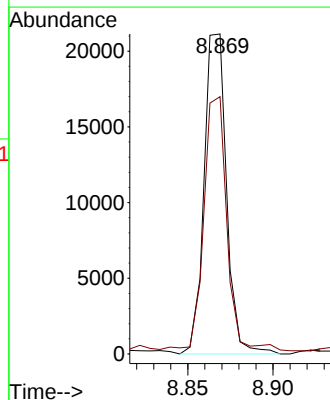
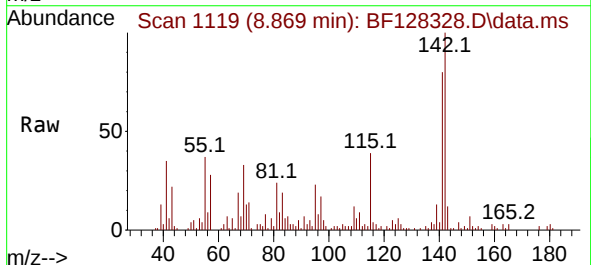
Instrument :
BNA_F
ClientSampleId :
EO-02-051722

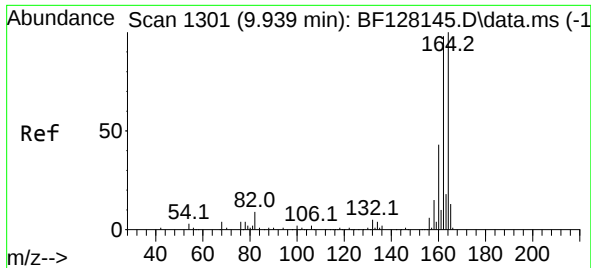
Tgt Ion:128 Resp: 48245
Ion Ratio Lower Upper
128 100
129 11.8 9.0 13.4
127 13.3 10.6 16.0



#37
2-Methylnaphthalene
Concen: 2.274 ng
RT: 8.869 min Scan# 1119
Delta R.T. 0.000 min
Lab File: BF128328.D
Acq: 18 May 2022 23:22

Tgt Ion:142 Resp: 19394
Ion Ratio Lower Upper
142 100
141 80.4 67.4 101.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF128328.D

Acq: 18 May 2022 23:22

Instrument :

BNA_F

ClientSampleId :

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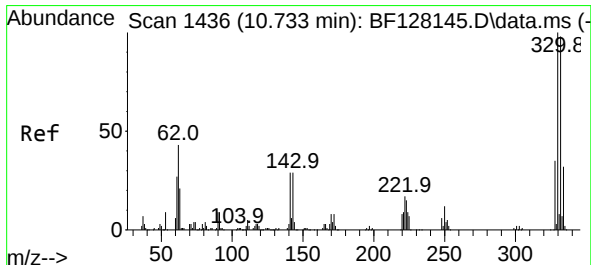
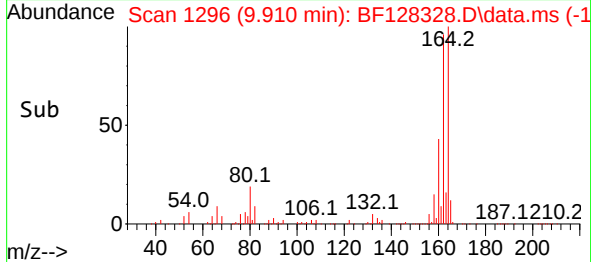
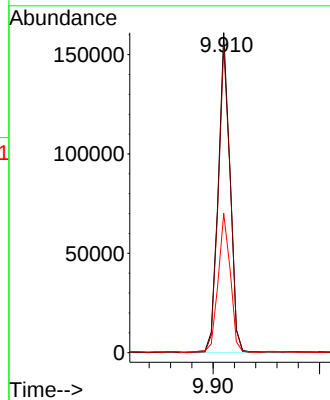
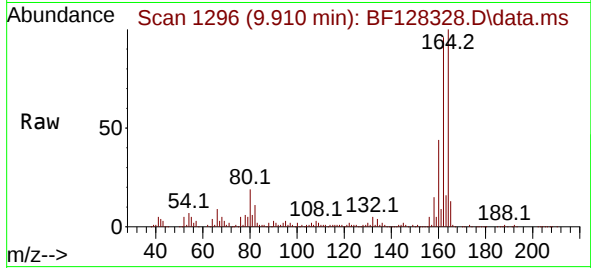
Tgt Ion:164 Resp: 123860

Ion Ratio Lower Upper

164 100

162 95.9 76.0 114.0

160 43.5 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 71.614 ng

RT: 10.704 min Scan# 1431

Delta R.T. -0.006 min

Lab File: BF128328.D

Acq: 18 May 2022 23:22

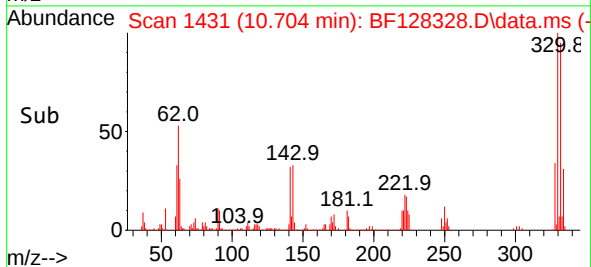
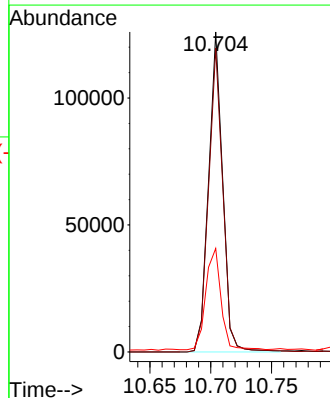
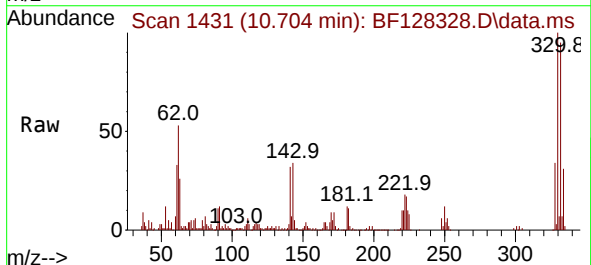
Tgt Ion:330 Resp: 101730

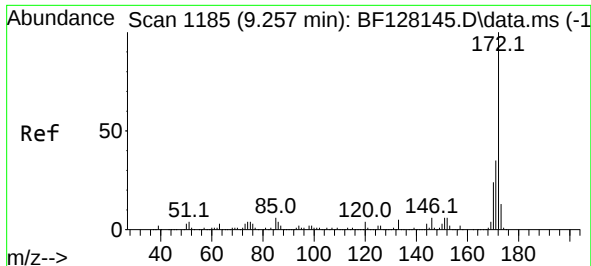
Ion Ratio Lower Upper

330 100

332 96.4 79.0 118.4

141 34.0 28.9 43.3





#45

2-Fluorobiphenyl

Concen: 56.200 ng

RT: 9.228 min Scan# 1185

Delta R.T. -0.006 min

Lab File: BF128328.D

Acq: 18 May 2022 23:22

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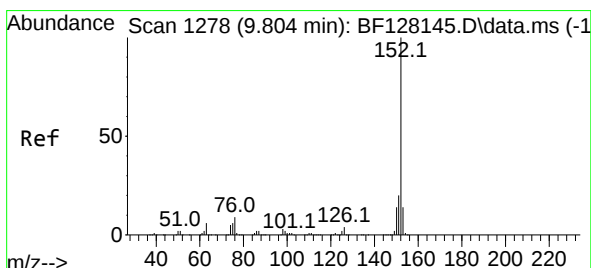
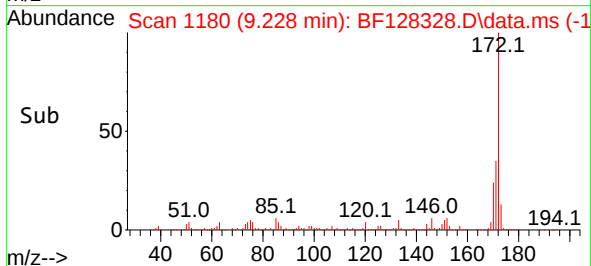
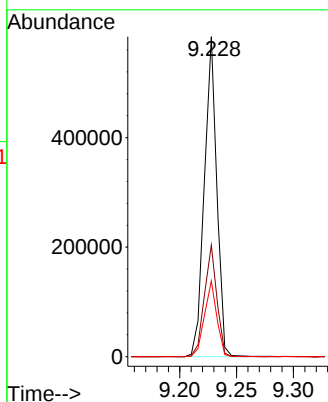
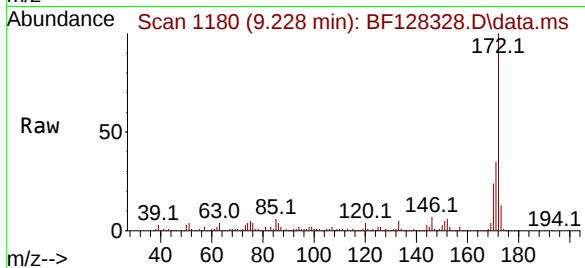
Tgt Ion:172 Resp: 444873

Ion Ratio Lower Upper

172 100

171 34.9 28.6 42.8

170 23.7 19.1 28.7



#49

Acenaphthylene

Concen: 3.197 ng

RT: 9.775 min Scan# 1273

Delta R.T. -0.006 min

Lab File: BF128328.D

Acq: 18 May 2022 23:22

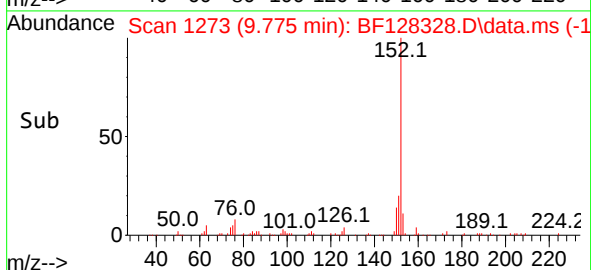
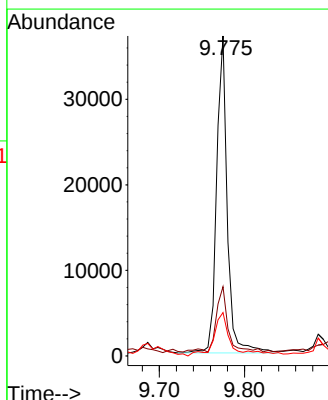
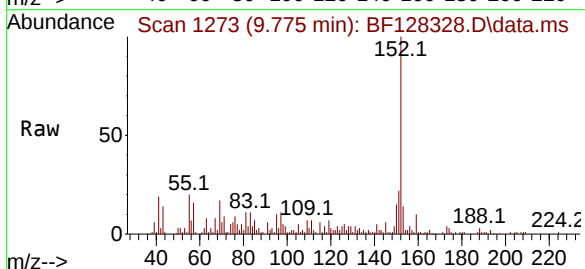
Tgt Ion:152 Resp: 32319

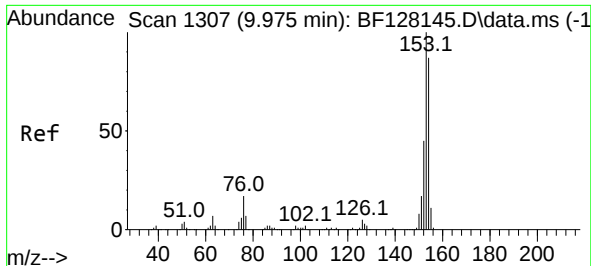
Ion Ratio Lower Upper

152 100

151 21.7 16.2 24.2

153 13.5 11.2 16.8

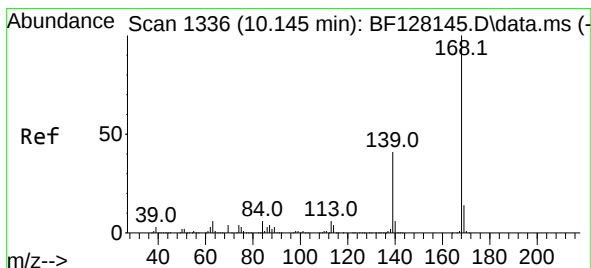
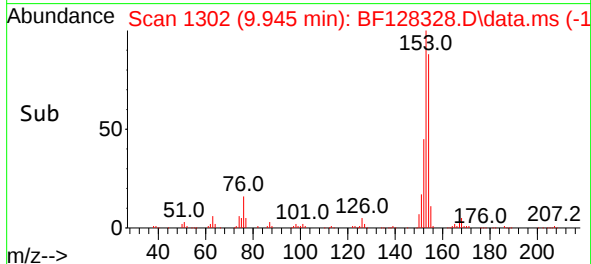
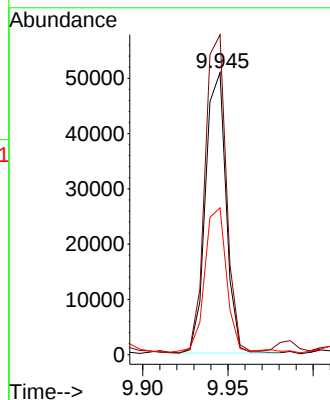
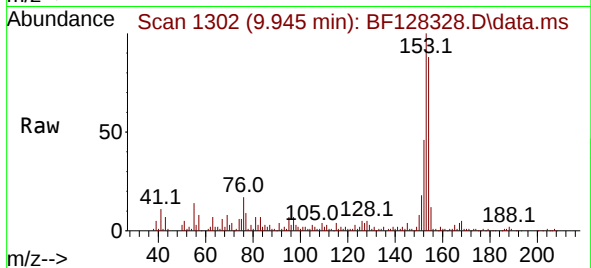




#52
Acenaphthene
Concen: 6.085 ng
RT: 9.945 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF128328.D
Acq: 18 May 2022 23:22

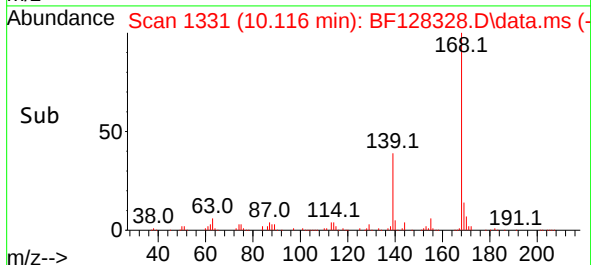
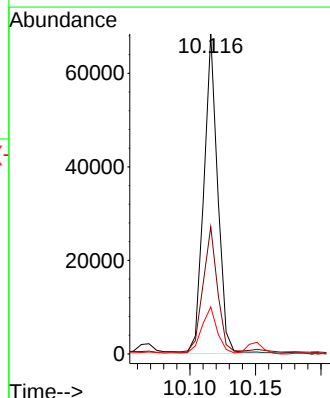
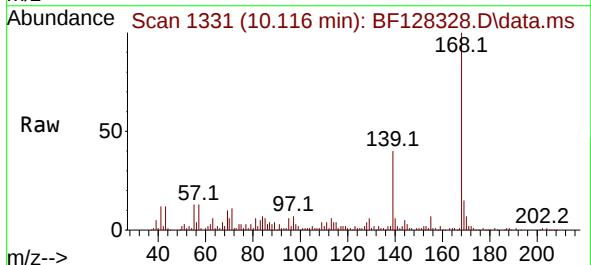
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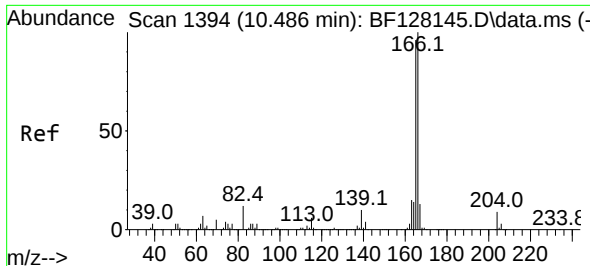
Tgt Ion:154 Resp: 42650
Ion Ratio Lower Upper
154 100
153 113.4 90.5 135.7
152 52.1 41.0 61.6



#55
Dibenzofuran
Concen: 5.060 ng
RT: 10.116 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BF128328.D
Acq: 18 May 2022 23:22

Tgt Ion:168 Resp: 50357
Ion Ratio Lower Upper
168 100
139 39.7 31.7 47.5
169 14.7 10.9 16.3

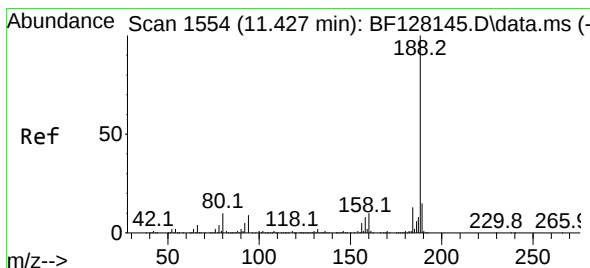
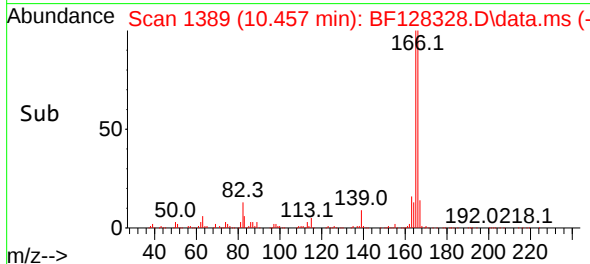
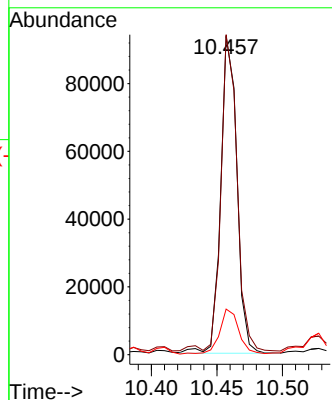
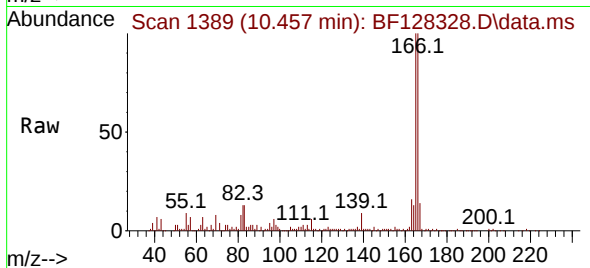




#58
 Fluorene
 Concen: 10.326 ng
 RT: 10.457 min Scan# 11
 Delta R.T. -0.011 min
 Lab File: BF128328.D
 Acq: 18 May 2022 23:22

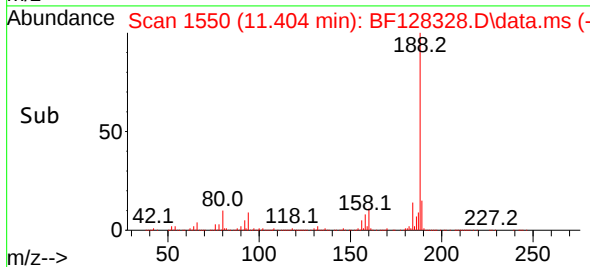
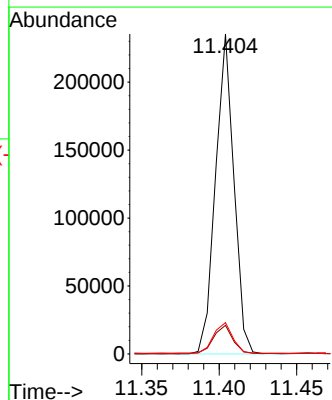
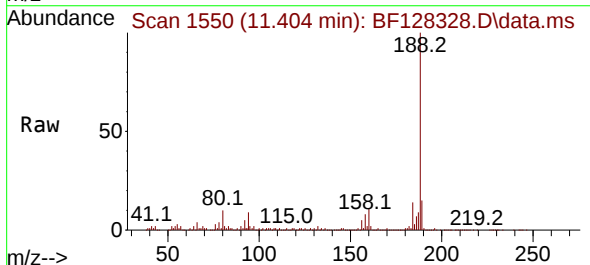
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-051722

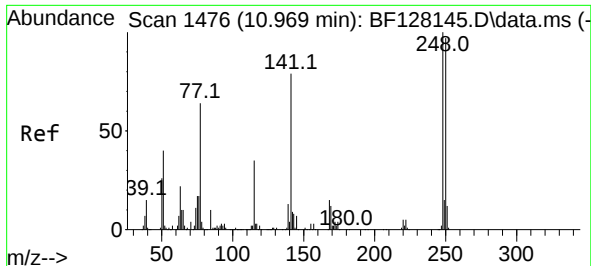
Tgt Ion:166 Resp: 80042
 Ion Ratio Lower Upper
 166 100
 165 100.5 78.6 117.8
 167 14.3 10.5 15.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.404 min Scan# 1550
 Delta R.T. 0.000 min
 Lab File: BF128328.D
 Acq: 18 May 2022 23:22

Tgt Ion:188 Resp: 194188
 Ion Ratio Lower Upper
 188 100
 94 9.0 8.0 12.0
 80 9.8 8.9 13.3

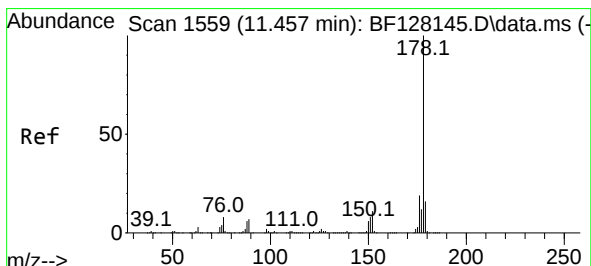
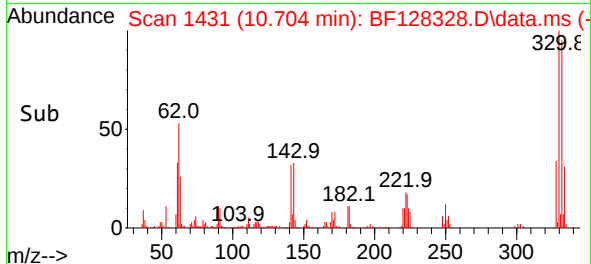
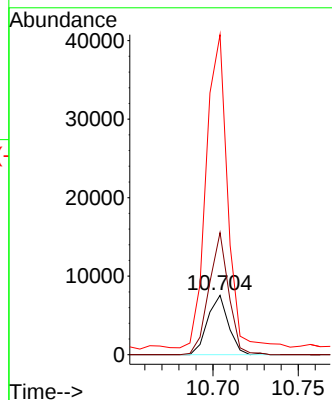
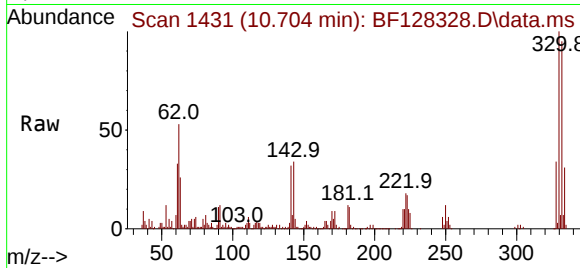




#67
4-Bromophenyl-phenylether
Concen: 3.083 ng
RT: 10.704 min Scan# 1476
Delta R.T. -0.241 min
Lab File: BF128328.D
Acq: 18 May 2022 23:22

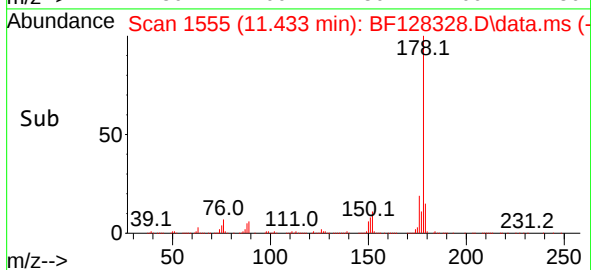
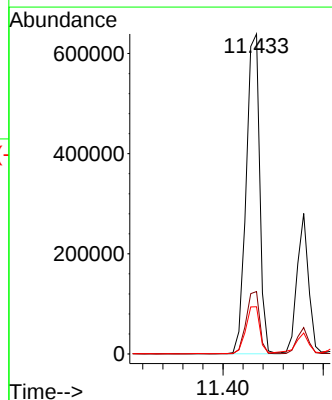
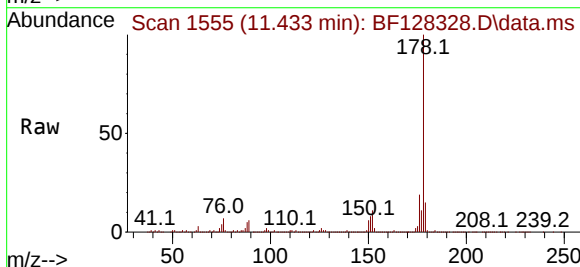
Instrument :
BNA_F
ClientSampleId :
EO-02-051722

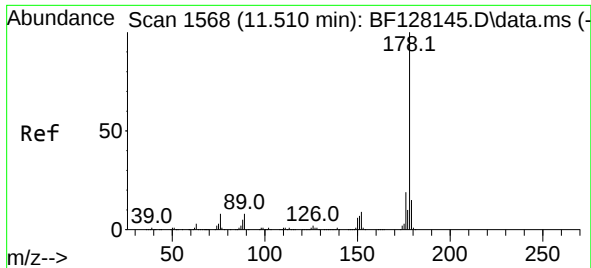
Tgt Ion:248 Resp: 6441
Ion Ratio Lower Upper
248 100
250 205.3 77.7 116.5#
141 538.4 65.6 98.4#



#71
Phenanthrene
Concen: 61.905 ng
RT: 11.433 min Scan# 1559
Delta R.T. 0.000 min
Lab File: BF128328.D
Acq: 18 May 2022 23:22

Tgt Ion:178 Resp: 598581
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 14.8 12.6 19.0

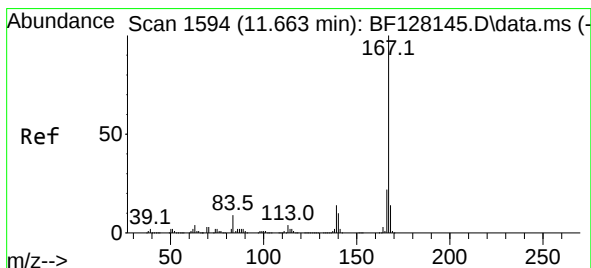
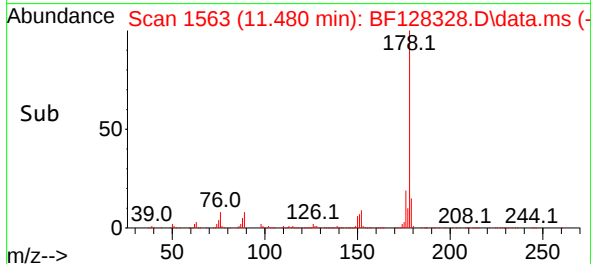
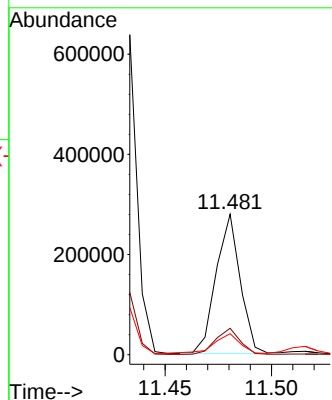
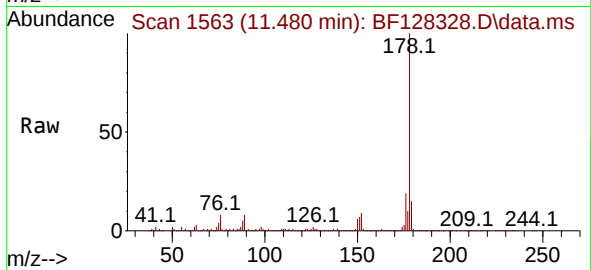




#72
 Anthracene
 Concen: 22.701 ng
 RT: 11.480 min Scan# 1568
 Delta R.T. -0.006 min
 Lab File: BF128328.D
 Acq: 18 May 2022 23:22

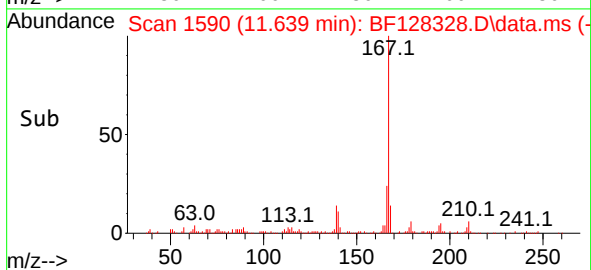
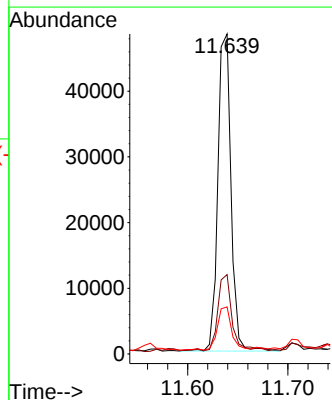
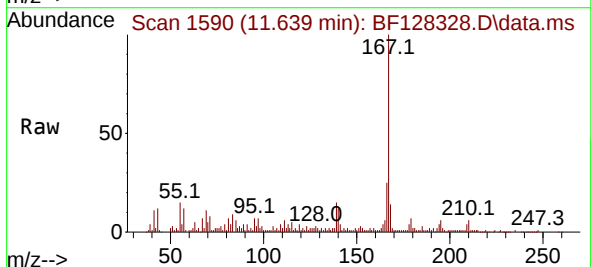
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-051722

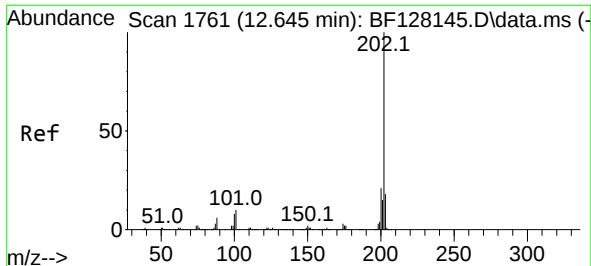
Tgt Ion:178 Resp: 219153
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.0 22.6
 179 14.9 12.4 18.6



#73
 Carbazole
 Concen: 4.803 ng
 RT: 11.639 min Scan# 1590
 Delta R.T. -0.006 min
 Lab File: BF128328.D
 Acq: 18 May 2022 23:22

Tgt Ion:167 Resp: 44088
 Ion Ratio Lower Upper
 167 100
 166 24.8 17.6 26.4
 139 14.7 10.7 16.1

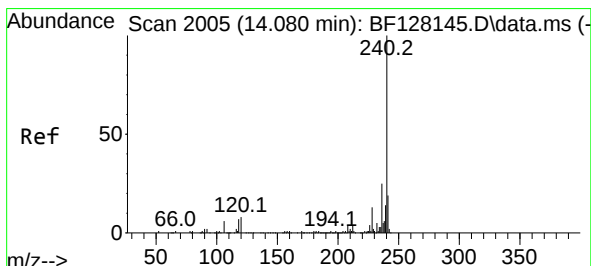
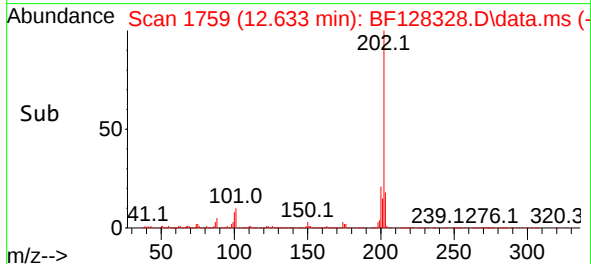
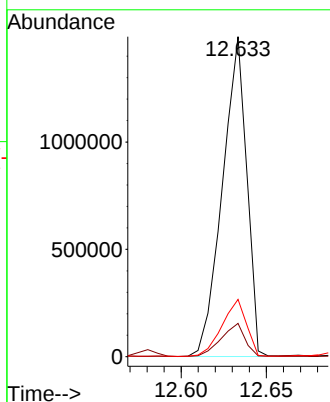
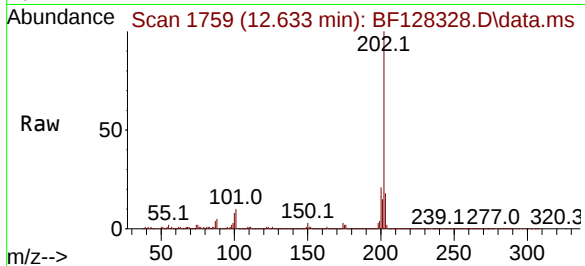




#75
Fluoranthene
Concen: 140.994 ng
RT: 12.633 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF128328.D
Acq: 18 May 2022 23:22

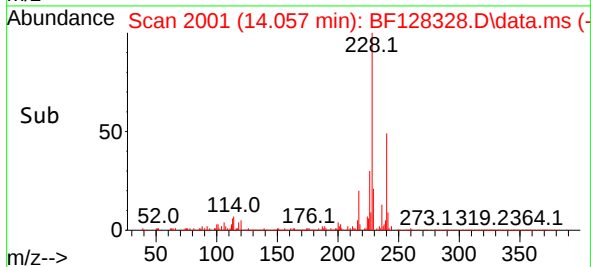
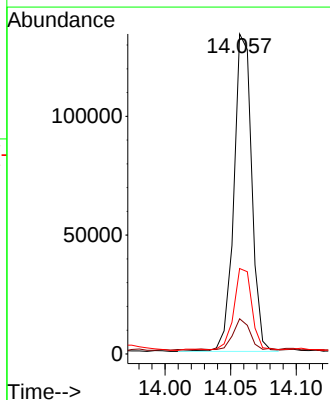
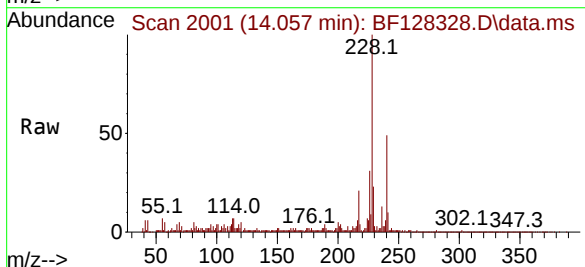
Instrument :
BNA_F
ClientSampleId :
EO-02-051722

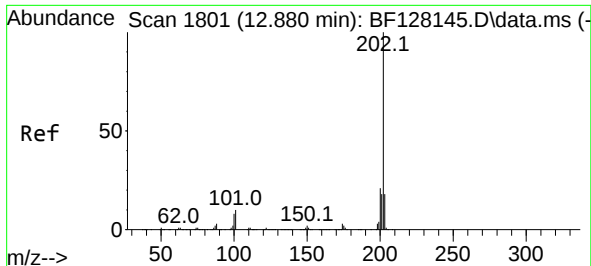
Tgt Ion:202 Resp: 1478053
Ion Ratio Lower Upper
202 100
101 10.4 0.0 31.6
203 17.9 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BF128328.D
Acq: 18 May 2022 23:22

Tgt Ion:240 Resp: 126524
Ion Ratio Lower Upper
240 100
120 11.0 7.0 10.6#
236 26.7 20.3 30.5

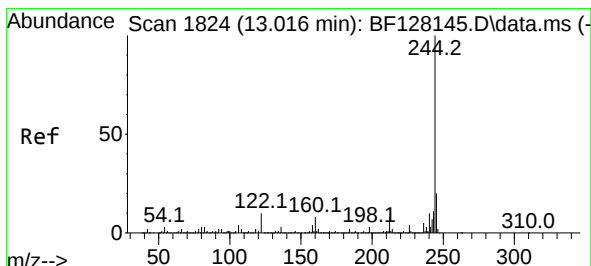
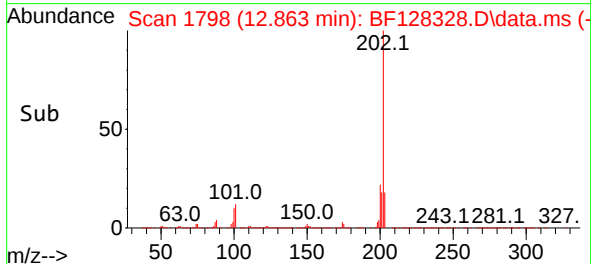
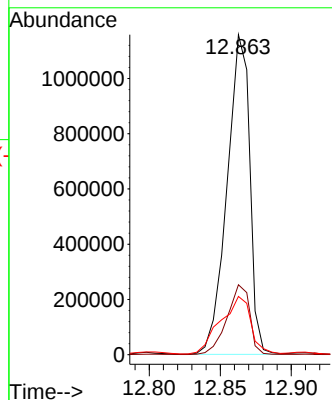
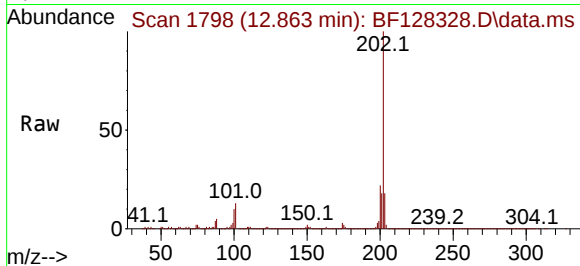




#78
 Pyrene
 Concen: 140.135 ng
 RT: 12.863 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF128328.D
 Acq: 18 May 2022 23:22

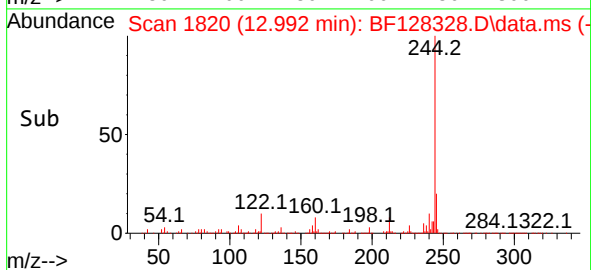
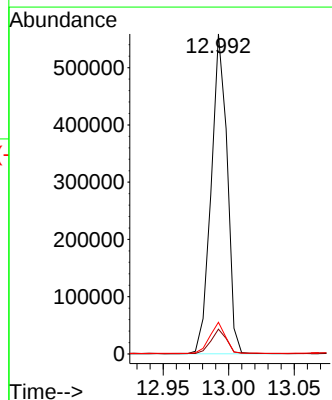
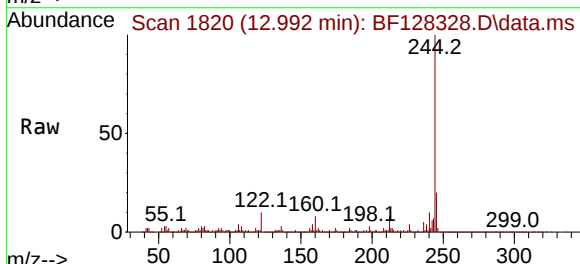
Instrument :
 BNA_F
 ClientSampleId :
 EO-02-051722

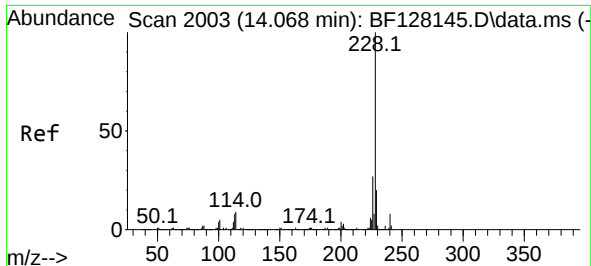
Tgt Ion:202 Resp: 1285614
 Ion Ratio Lower Upper
 202 100
 200 21.9 17.4 26.2
 203 18.2 14.0 21.0



#79
 Terphenyl-d14
 Concen: 70.358 ng
 RT: 12.992 min Scan# 1820
 Delta R.T. 0.000 min
 Lab File: BF128328.D
 Acq: 18 May 2022 23:22

Tgt Ion:244 Resp: 474415
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.2 9.4
 122 9.9 8.6 12.8

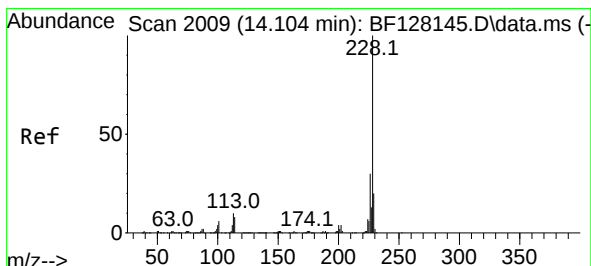
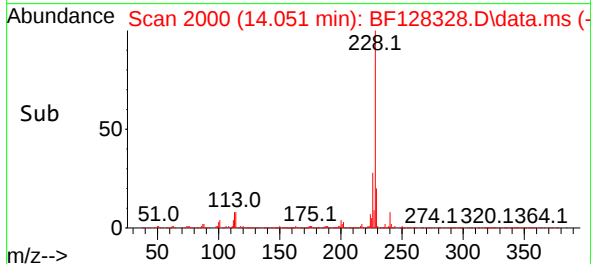
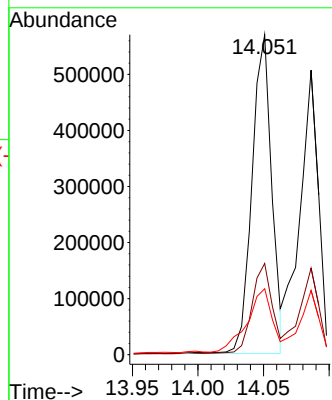
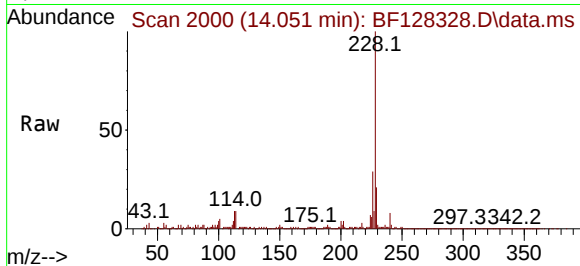




#81
Benzo(a)anthracene
Concen: 73.747 ng
RT: 14.051 min Scan# 2000
Delta R.T. 0.006 min
Lab File: BF128328.D
Acq: 18 May 2022 23:22

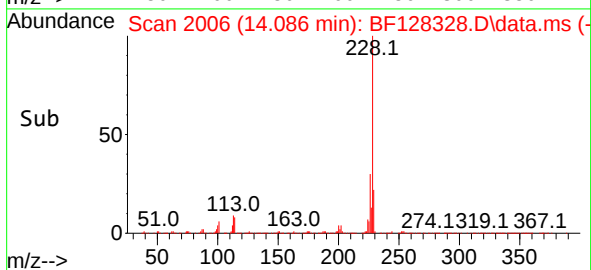
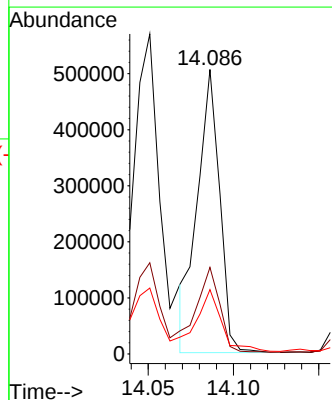
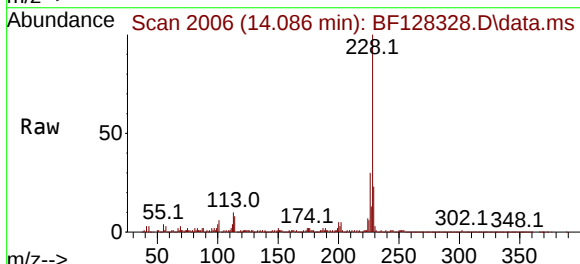
Instrument :
BNA_F
ClientSampleId :
EO-02-051722

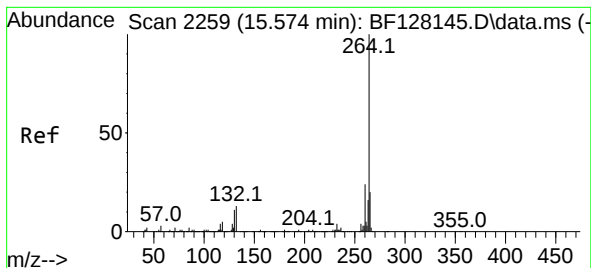
Tgt Ion:228 Resp: 595982
Ion Ratio Lower Upper
228 100
226 28.5 21.7 32.5
229 20.6 15.4 23.2



#83
Chrysene
Concen: 59.582 ng
RT: 14.086 min Scan# 2006
Delta R.T. 0.006 min
Lab File: BF128328.D
Acq: 18 May 2022 23:22

Tgt Ion:228 Resp: 459438
Ion Ratio Lower Upper
228 100
226 30.5 24.4 36.6
229 22.6 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF128328.D

Acq: 18 May 2022 23:22

Instrument :

BNA_F

ClientSampleId :

EO-02-051722

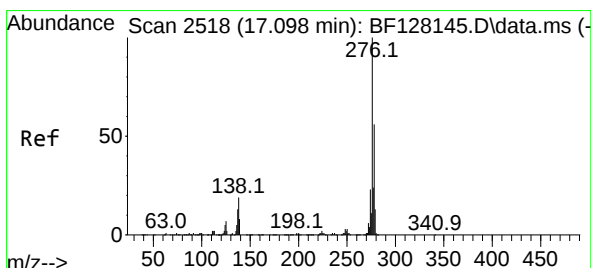
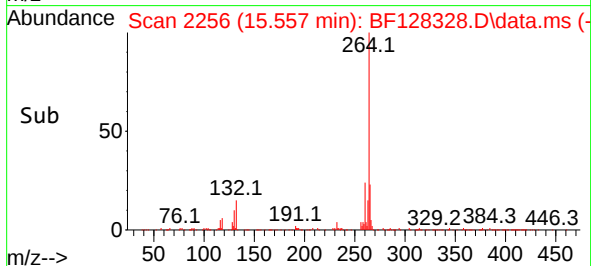
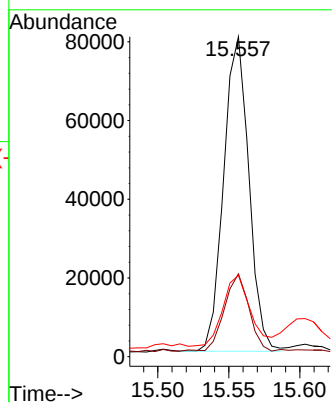
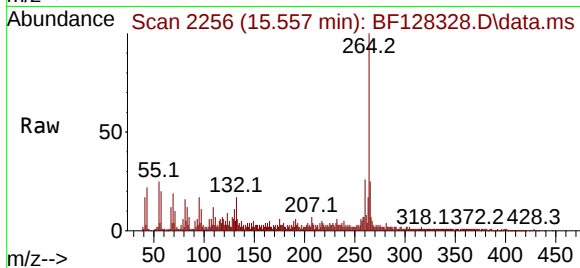
Tgt Ion:264 Resp: 98520

Ion Ratio Lower Upper

264 100

260 25.9 20.1 30.1

265 25.5 17.5 26.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 41.593 ng

RT: 17.080 min Scan# 2515

Delta R.T. 0.018 min

Lab File: BF128328.D

Acq: 18 May 2022 23:22

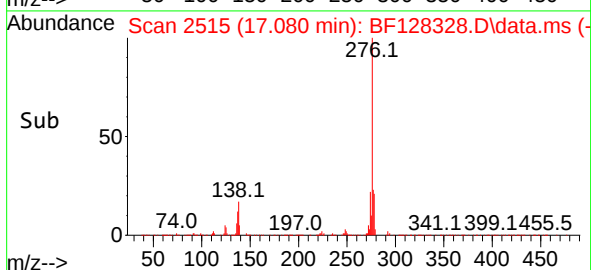
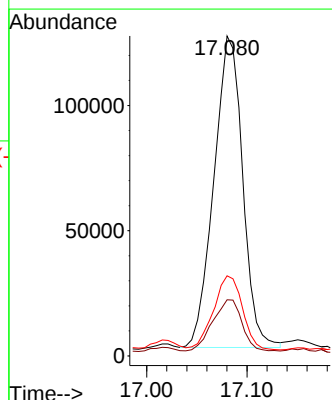
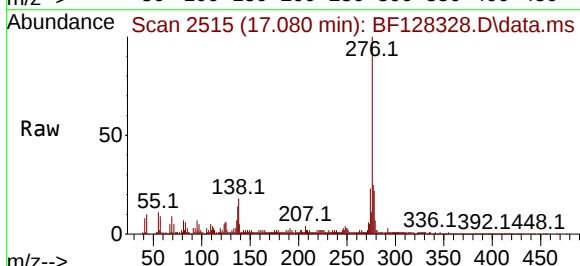
Tgt Ion:276 Resp: 247877

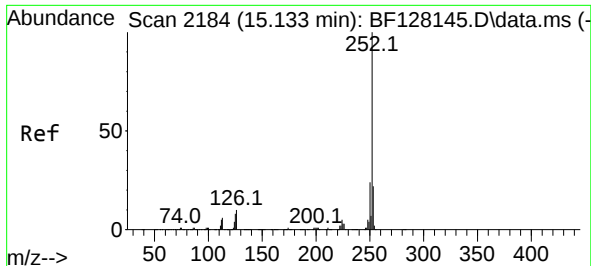
Ion Ratio Lower Upper

276 100

138 17.4 19.0 28.4#

277 24.0 20.1 30.1

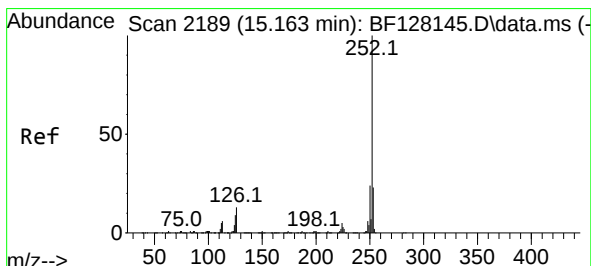
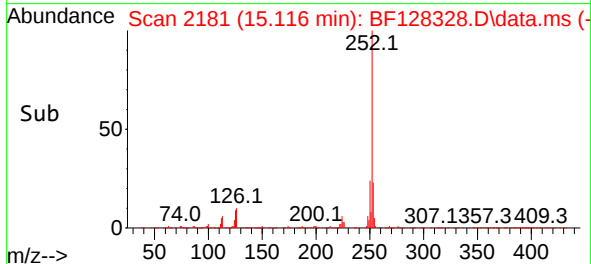
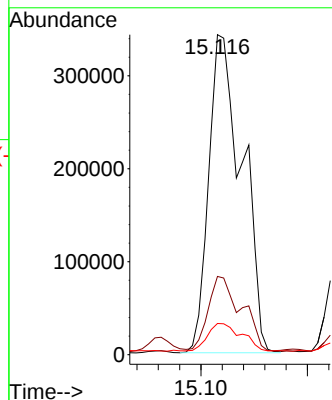
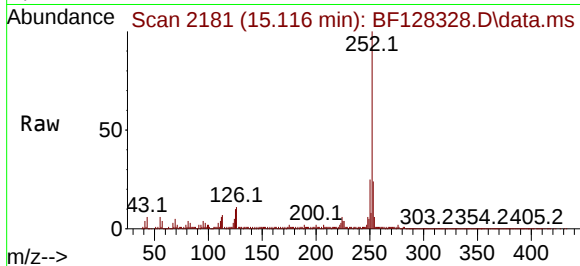




#88
Benzo(b)fluoranthene
Concen: 122.376 ng
RT: 15.116 min Scan# 2181
Delta R.T. 0.012 min
Lab File: BF128328.D
Acq: 18 May 2022 23:22

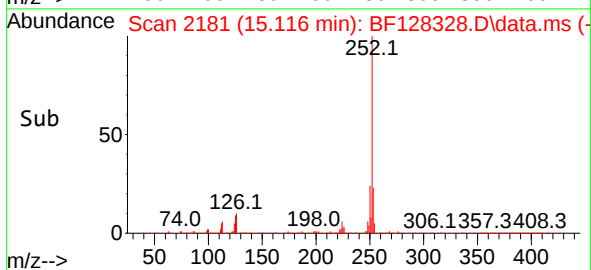
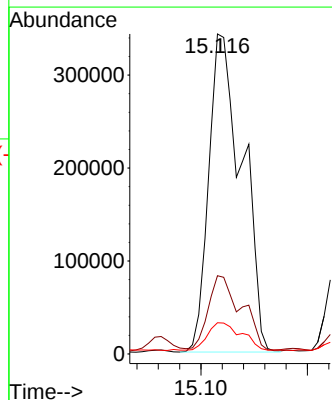
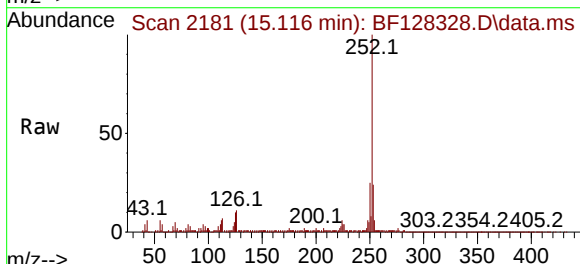
Instrument :
BNA_F
ClientSampleId :
EO-02-051722

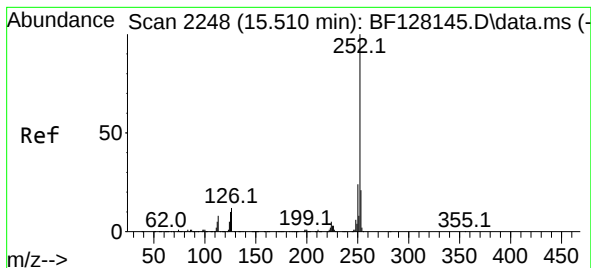
Tgt Ion:252 Resp: 747374
Ion Ratio Lower Upper
252 100
253 24.5 17.4 26.2
125 9.7 7.4 11.2



#89
Benzo(k)fluoranthene
Concen: 123.972 ng
RT: 15.116 min Scan# 2181
Delta R.T. -0.017 min
Lab File: BF128328.D
Acq: 18 May 2022 23:22

Tgt Ion:252 Resp: 747374
Ion Ratio Lower Upper
252 100
253 24.5 17.0 25.4
125 9.7 6.8 10.2





#90

Benzo(a)pyrene

Concen: 82.031 ng

RT: 15.498 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF128328.D

Acq: 18 May 2022 23:22

Instrument :

BNA_F

ClientSampleId :

EO-02-051722

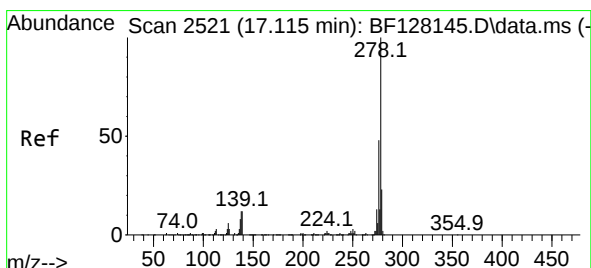
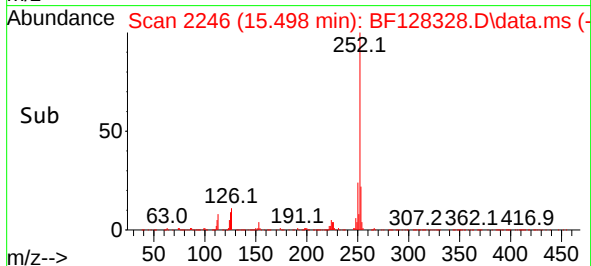
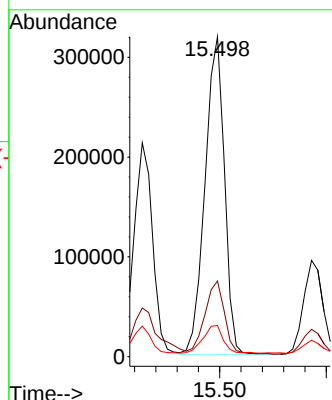
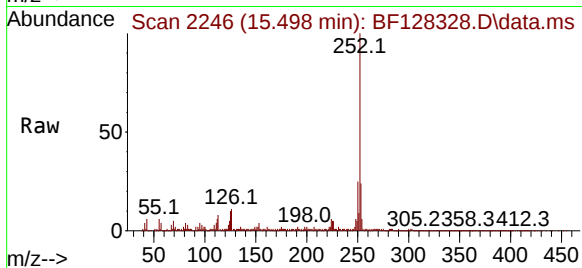
Tgt Ion:252 Resp: 404452

Ion Ratio Lower Upper

252 100

253 23.7 17.8 26.6

125 9.7 9.2 13.8



#91

Dibenzo(a,h)anthracene

Concen: 12.458 ng

RT: 17.086 min Scan# 2516

Delta R.T. 0.012 min

Lab File: BF128328.D

Acq: 18 May 2022 23:22

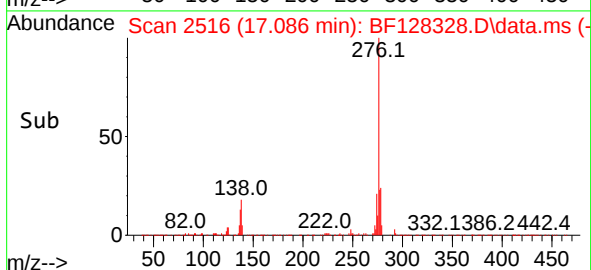
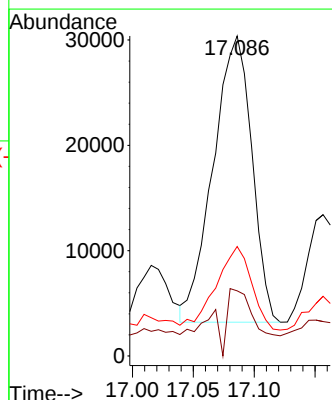
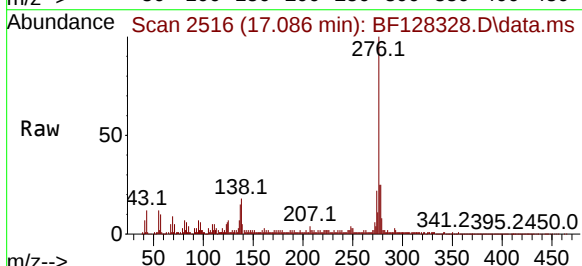
Tgt Ion:278 Resp: 60108

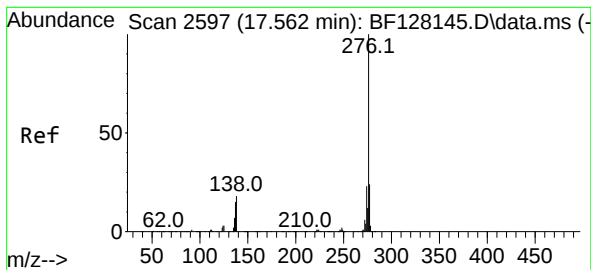
Ion Ratio Lower Upper

278 100

139 20.3 12.6 19.0#

279 34.2 18.9 28.3#





#92

Benzo(g,h,i)perylene

Concen: 48.234 ng

RT: 17.545 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF128328.D

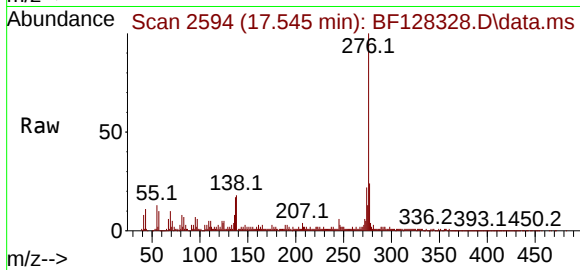
Acq: 18 May 2022 23:22

Instrument :

BNA_F

ClientSampleId :

EO-02-051722



Tgt Ion:276 Resp: 235635

Ion Ratio Lower Upper

276 100

277 24.3 18.8 28.2

138 18.4 16.2 24.2

