

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122922\
 Data File : BF131890.D
 Acq On : 29 Dec 2022 21:31
 Operator : CG\JU
 Sample : N6229-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-8-122822

Quant Time: Dec 30 02:13:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 30 02:06:40 2022
 Response via : Initial Calibration

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

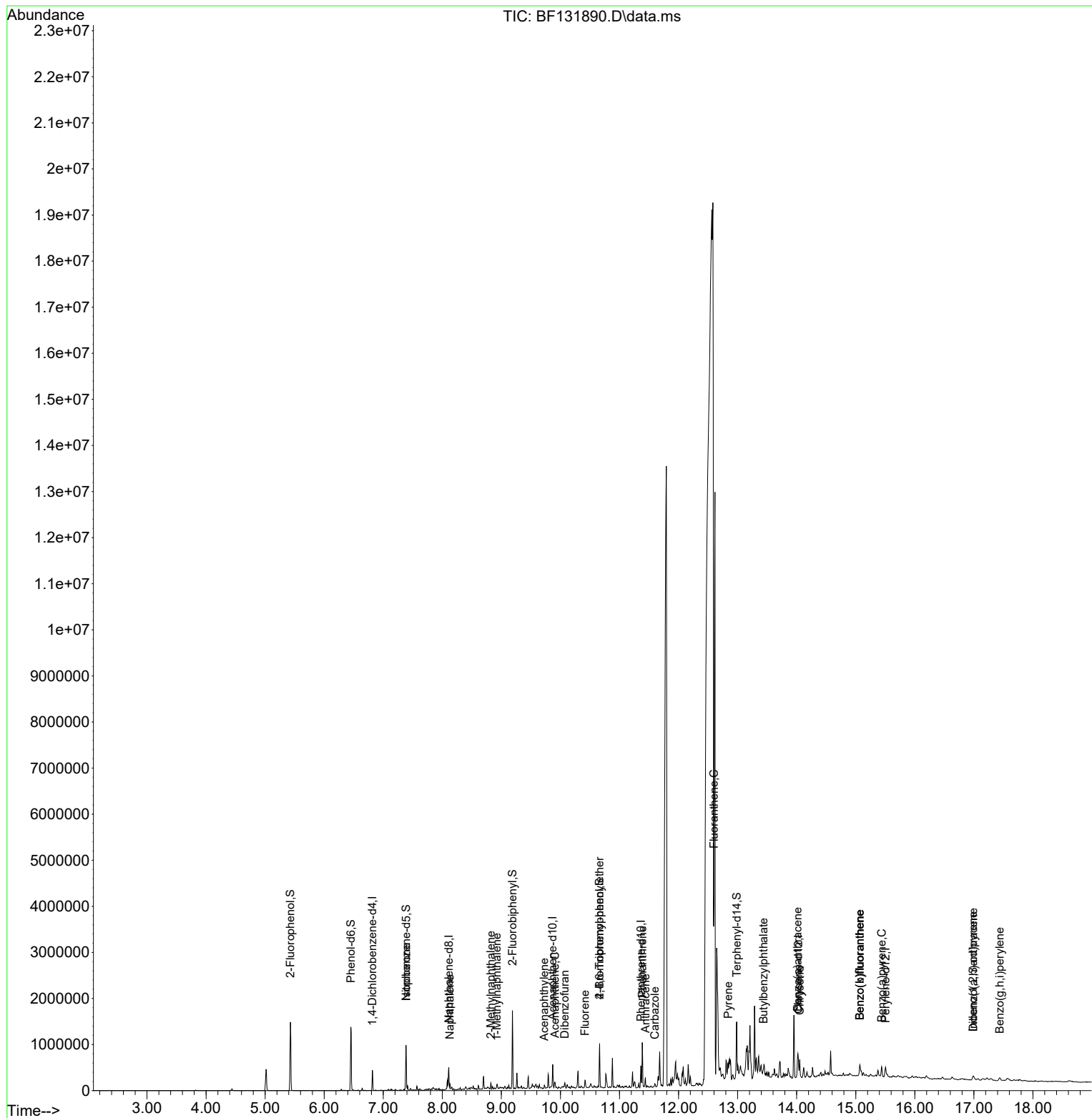
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	56153	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	180203	20.000	ng	0.00
39) Acenaphthene-d10	9.869	164	86742	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	155013	20.000	ng	0.00
76) Chrysene-d12	14.027	240	108308	20.000	ng	0.01
86) Perylene-d12	15.504	264	86466	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	366346	108.118	ng	0.00
7) Phenol-d6	6.451	99	453340	101.835	ng	0.00
23) Nitrobenzene-d5	7.387	82	302548	67.032	ng	0.00
42) 2,4,6-Tribromophenol	10.663	330	89837	95.322	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	434920	68.678	ng	0.00
79) Terphenyl-d14	12.986	244	401274	62.670	ng	0.03
Target Compounds						Qvalue
25) Isophorone	7.387	82	301794	40.944	ng	# 70
31) Naphthalene	8.128	128	37098	3.759	ng	97
37) 2-Methylnaphthalene	8.822	142	21739	3.282	ng	97
38) 1-Methylnaphthalene	8.922	142	15062	2.341	ng	93
49) Acenaphthylene	9.728	152	19779	2.418	ng	# 92
52) Acenaphthene	9.904	154	17668	3.578	ng	99
55) Dibenzofuran	10.075	168	26240	3.449	ng	# 97
58) Fluorene	10.416	166	40863	6.580	ng	93
67) 4-Bromophenyl-phenylether	10.663	248	6123	3.408	ng	# 1
71) Phenanthrene	11.386	178	316364	37.113	ng	99
72) Anthracene	11.439	178	73775	8.847	ng	100
73) Carbazole	11.598	167	22915	3.113	ng	94
75) Fluoranthene	12.598	202	363993	36.659	ng	90
78) Pyrene	12.839	202	134272	14.791	ng	97
80) Butylbenzylphthalate	13.439	149	8700	2.584	ng	# 37
81) Benzo(a)anthracene	14.016	228	142162	18.129	ng	98
83) Chrysene	14.051	228	135884	18.440	ng	98
87) Indeno(1,2,3-cd)pyrene	16.986	276	49442	9.000	ng	99
88) Benzo(b)fluoranthene	15.068	252	175333	27.655	ng	95
89) Benzo(k)fluoranthene	15.068	252	175333	28.622	ng	95
90) Benzo(a)pyrene	15.439	252	92223	18.788	ng	# 93
91) Dibenzo(a,h)anthracene	16.992	278	13015	2.892	ng	# 74
92) Benzo(g,h,i)perylene	17.439	276	50152	13.641	ng	93

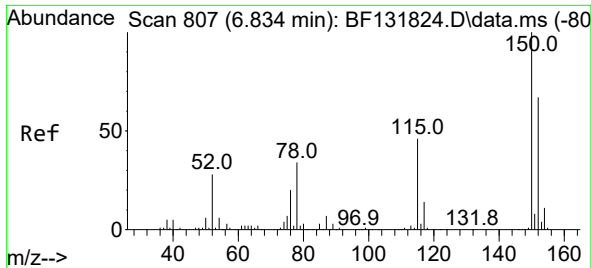
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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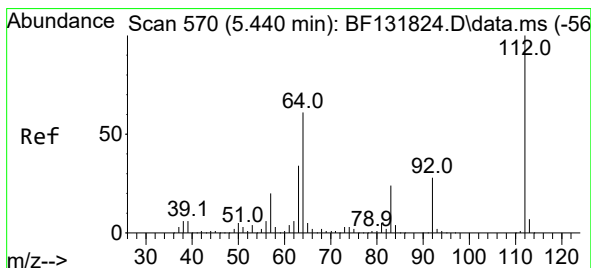
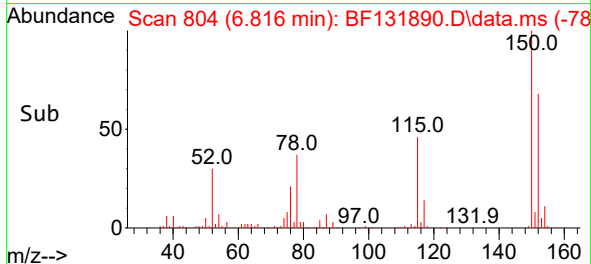
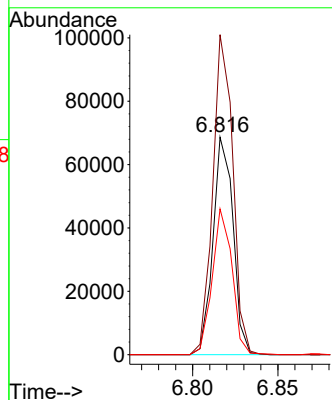
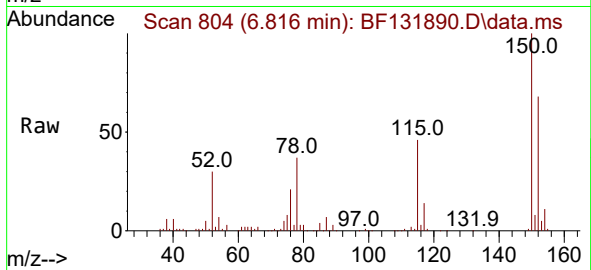




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 807
Delta R.T. 0.000 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

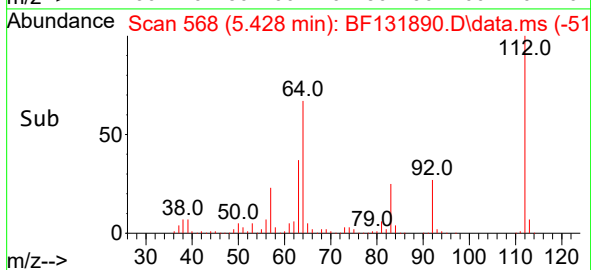
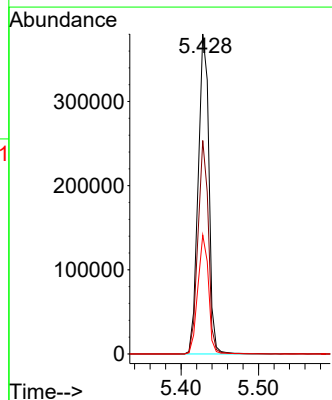
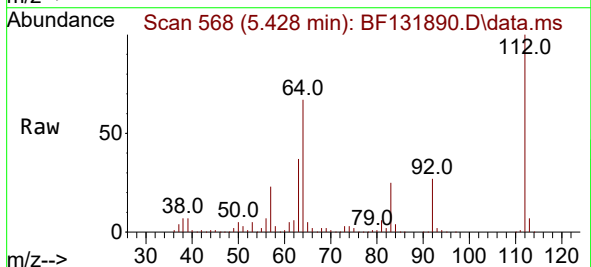
Instrument :
BNA_F
ClientSampleId :
NB-8-122822

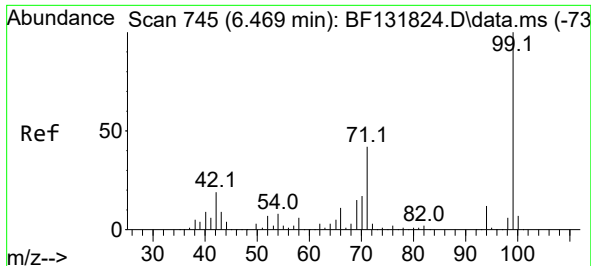
Tgt Ion:152 Resp: 56153
Ion Ratio Lower Upper
152 100
150 147.2 120.0 180.0
115 67.0 55.1 82.7



#5
2-Fluorophenol
Concen: 108.118 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

Tgt Ion:112 Resp: 366346
Ion Ratio Lower Upper
112 100
64 66.7 49.2 73.8
63 37.1 27.5 41.3

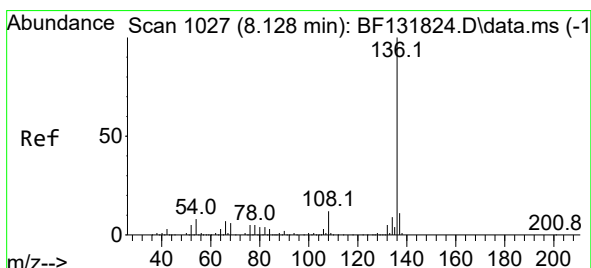
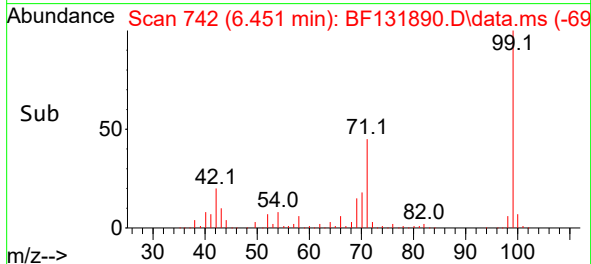
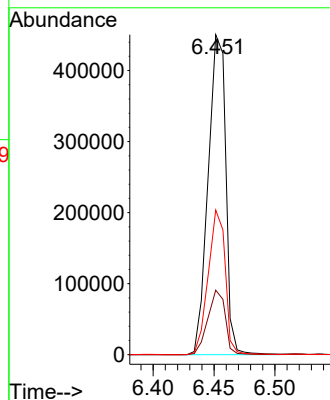
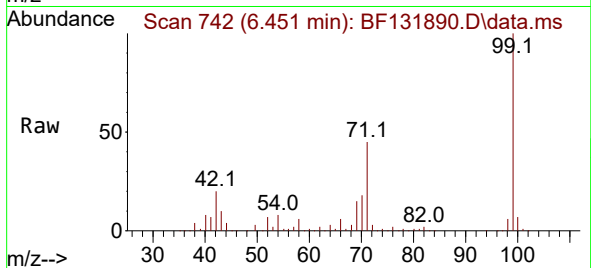




#7
Phenol-d6
Concen: 101.835 ng
RT: 6.451 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

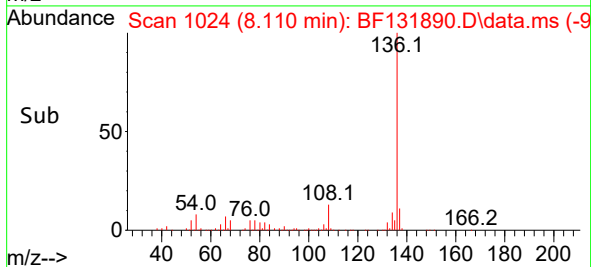
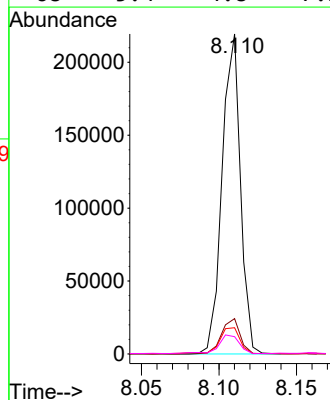
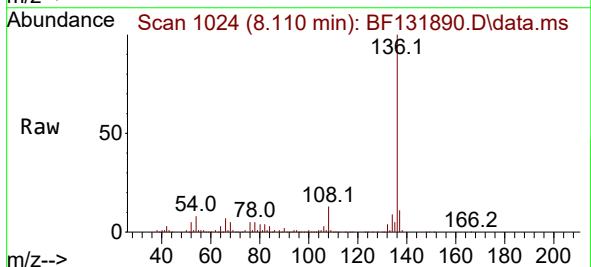
Instrument :
BNA_F
ClientSampleId :
NB-8-122822

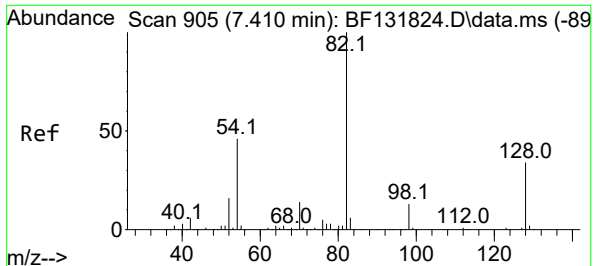
Tgt Ion: 99 Resp: 453340
Ion Ratio Lower Upper
99 100
42 20.2 15.3 22.9
71 45.2 33.5 50.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.000 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

Tgt Ion:136 Resp: 180203
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 8.2 6.7 10.1
68 5.4 4.8 7.2





#23

Nitrobenzene-d5

Concen: 67.032 ng

RT: 7.387 min Scan# 901

Delta R.T. -0.006 min

Lab File: BF131890.D

Acq: 29 Dec 2022 21:31

Instrument :

BNA_F

ClientSampleId :

NB-8-122822

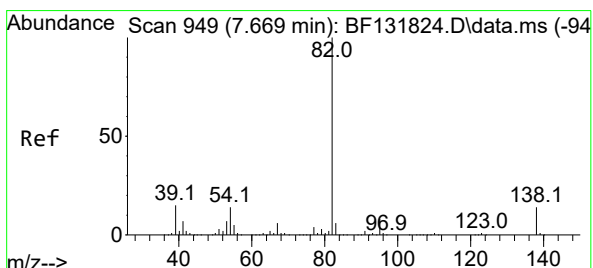
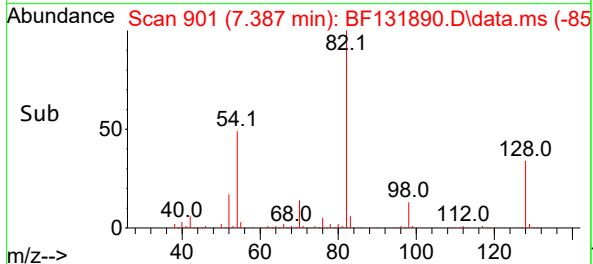
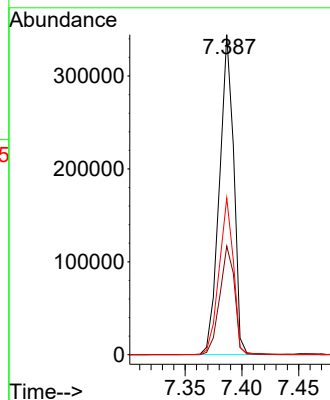
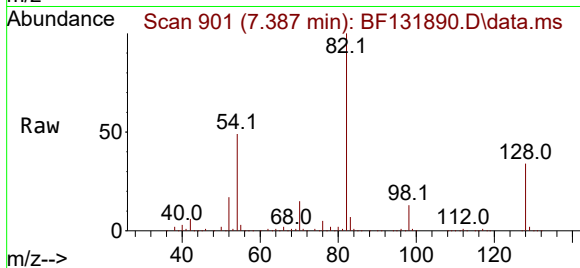
Tgt Ion: 82 Resp: 302548

Ion Ratio Lower Upper

82 100

128 33.9 27.1 40.7

54 48.9 37.0 55.6



#25

Isophorone

Concen: 40.944 ng

RT: 7.387 min Scan# 901

Delta R.T. -0.265 min

Lab File: BF131890.D

Acq: 29 Dec 2022 21:31

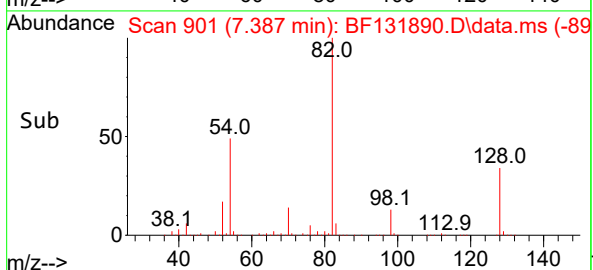
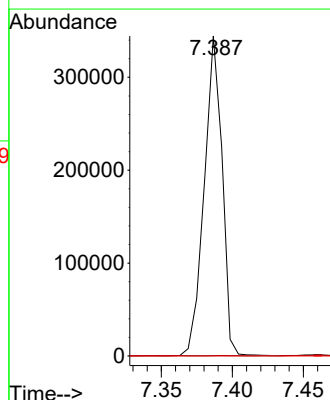
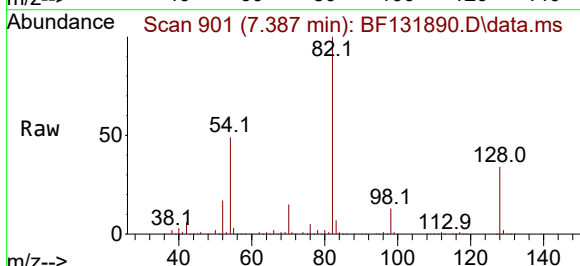
Tgt Ion: 82 Resp: 301794

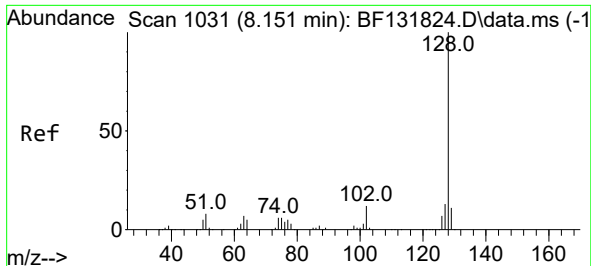
Ion Ratio Lower Upper

82 100

95 0.1 6.2 9.4#

138 0.0 11.5 17.3#

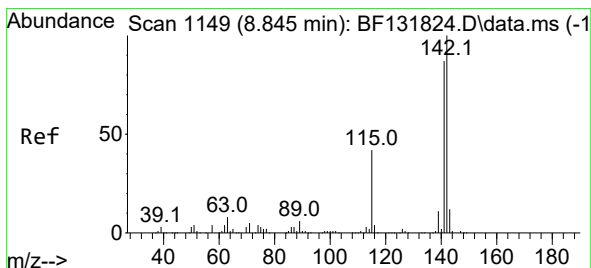
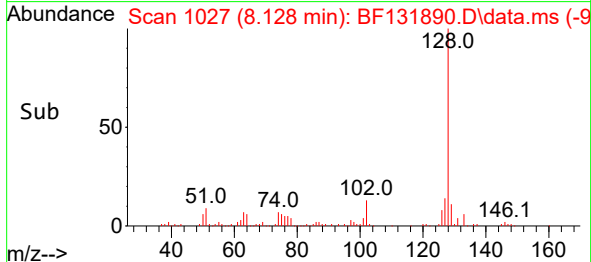
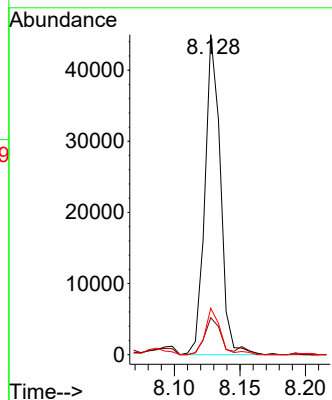
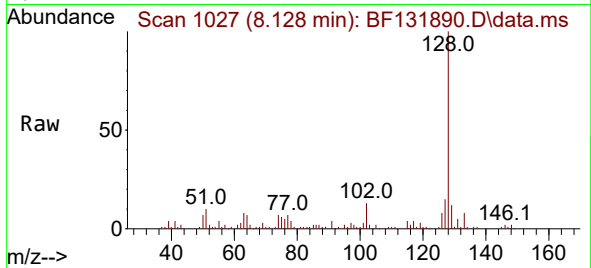




#31
Naphthalene
Concen: 3.759 ng
RT: 8.128 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

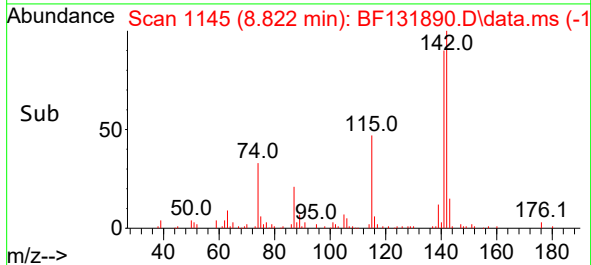
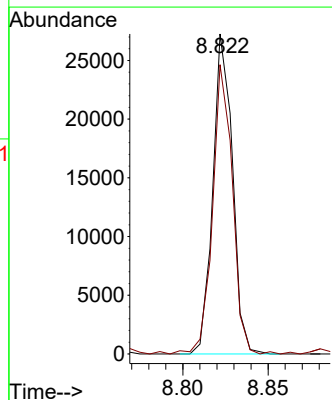
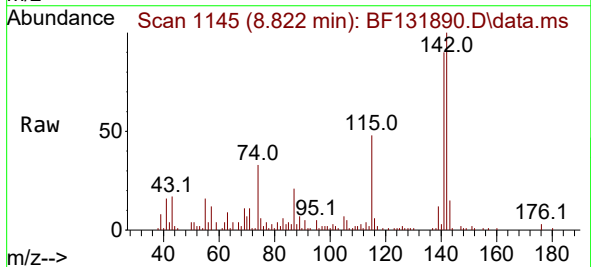
Instrument :
BNA_F
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NB-8-122822

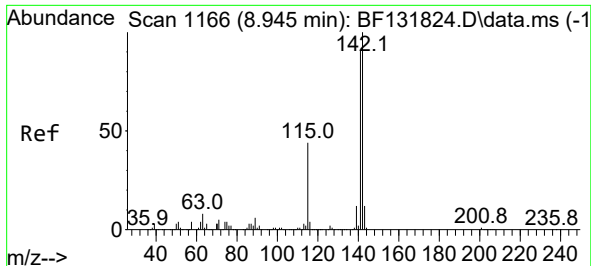
Tgt Ion:128 Resp: 37098
Ion Ratio Lower Upper
128 100
129 11.5 8.6 13.0
127 14.5 10.6 15.8



#37
2-Methylnaphthalene
Concen: 3.282 ng
RT: 8.822 min Scan# 1145
Delta R.T. -0.006 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

Tgt Ion:142 Resp: 21739
Ion Ratio Lower Upper
142 100
141 90.4 69.8 104.8





#38

1-Methylnaphthalene

Concen: 2.341 ng

RT: 8.922 min Scan# 1166

Delta R.T. -0.006 min

Lab File: BF131890.D

Acq: 29 Dec 2022 21:31

Instrument :

BNA_F

ClientSampleId :

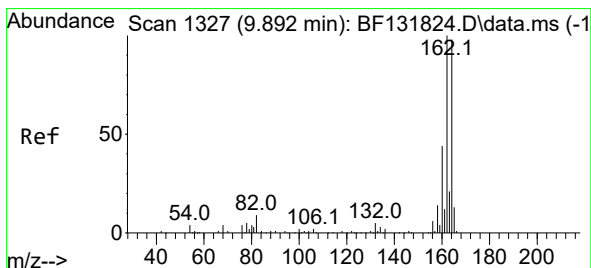
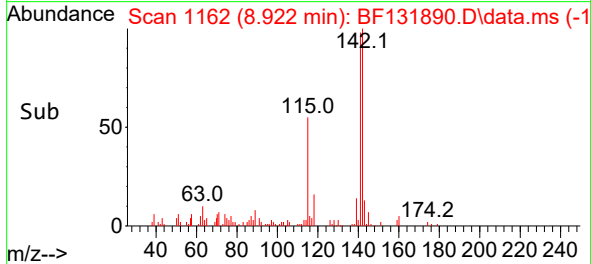
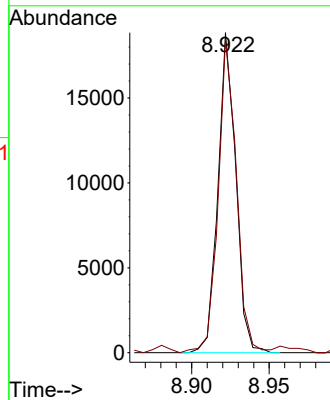
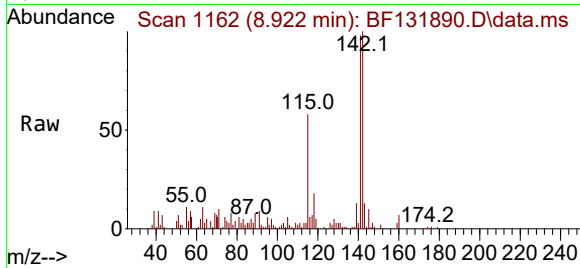
NB-8-122822

Tgt Ion:142 Resp: 15062

Ion Ratio Lower Upper

142 100

141 97.9 73.0 109.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.869 min Scan# 1323

Delta R.T. -0.006 min

Lab File: BF131890.D

Acq: 29 Dec 2022 21:31

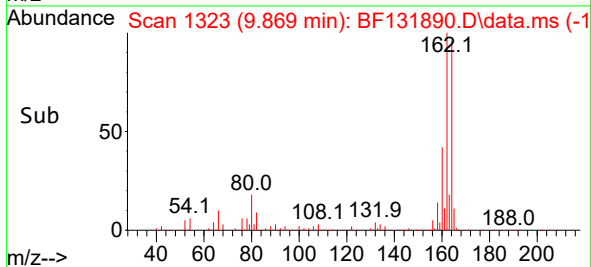
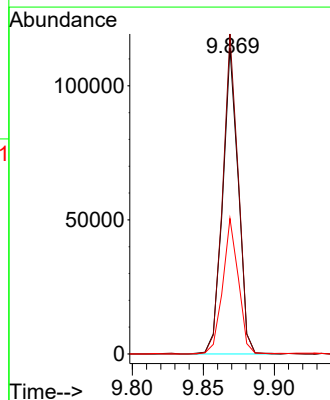
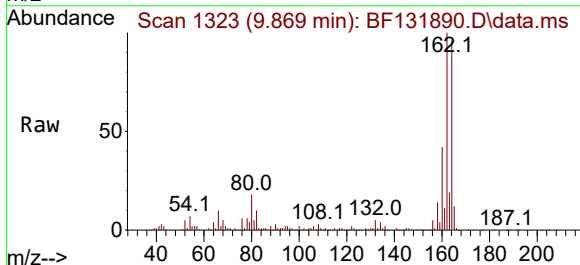
Tgt Ion:164 Resp: 86742

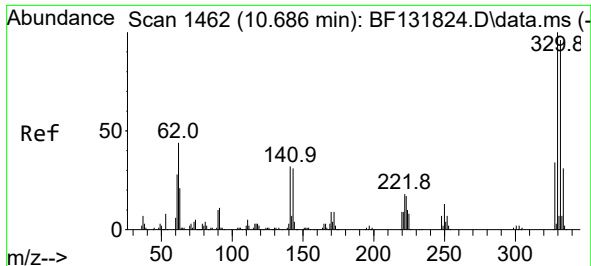
Ion Ratio Lower Upper

164 100

162 104.5 81.8 122.6

160 44.3 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 95.322 ng

RT: 10.663 min Scan# 1462

Delta R.T. -0.006 min

Lab File: BF131890.D

Acq: 29 Dec 2022 21:31

Instrument :

BNA_F

ClientSampleId :

NB-8-122822

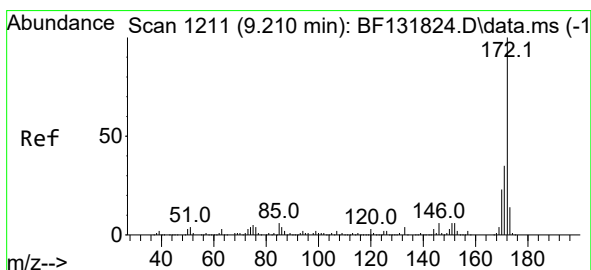
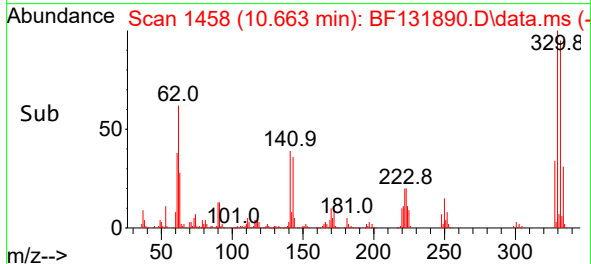
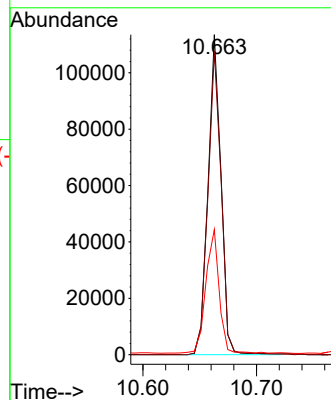
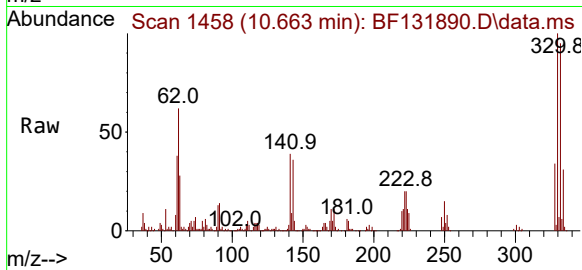
Tgt Ion:330 Resp: 89837

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.4

141 39.7 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 68.678 ng

RT: 9.186 min Scan# 1207

Delta R.T. -0.006 min

Lab File: BF131890.D

Acq: 29 Dec 2022 21:31

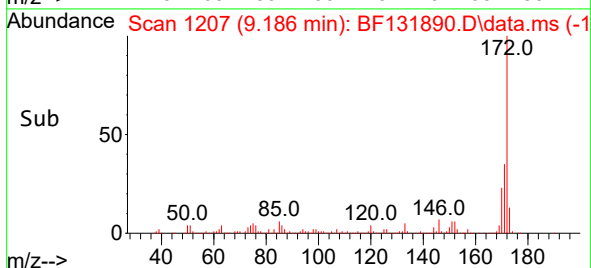
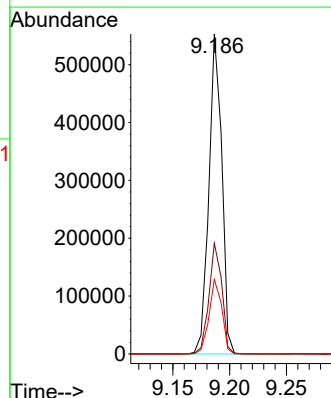
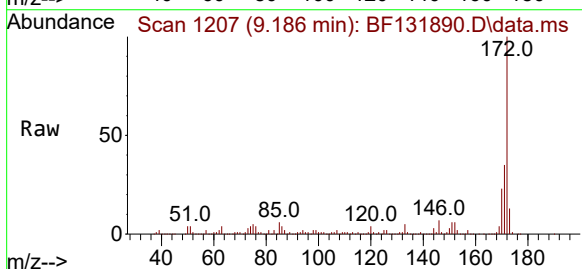
Tgt Ion:172 Resp: 434920

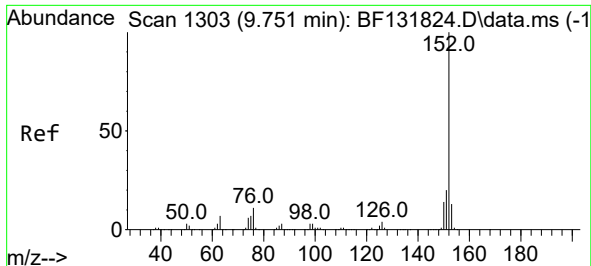
Ion Ratio Lower Upper

172 100

171 34.6 27.9 41.9

170 23.3 18.7 28.1





#49

Acenaphthylene

Concen: 2.418 ng

RT: 9.728 min Scan# 1303

Delta R.T. -0.006 min

Lab File: BF131890.D

Acq: 29 Dec 2022 21:31

Instrument :

BNA_F

ClientSampleId :

NB-8-122822

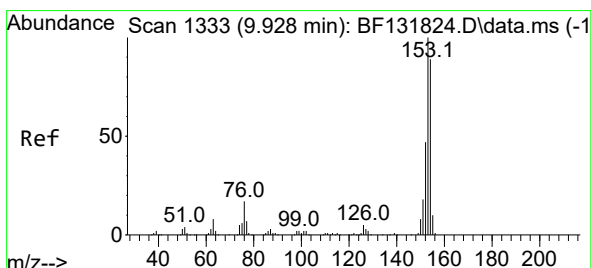
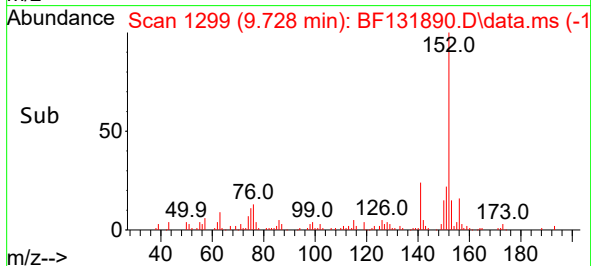
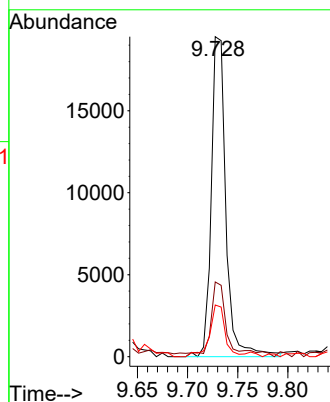
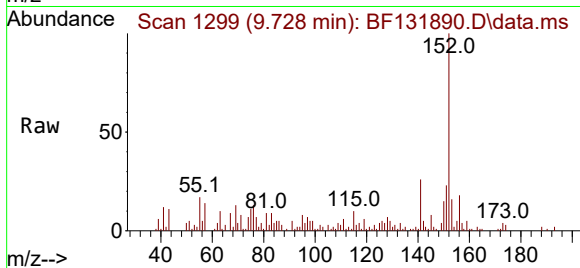
Tgt Ion:152 Resp: 19779

Ion Ratio Lower Upper

152 100

151 23.3 15.8 23.6

153 16.2 10.2 15.4#



#52

Acenaphthene

Concen: 3.578 ng

RT: 9.904 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF131890.D

Acq: 29 Dec 2022 21:31

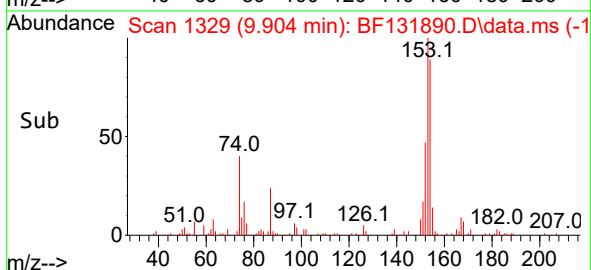
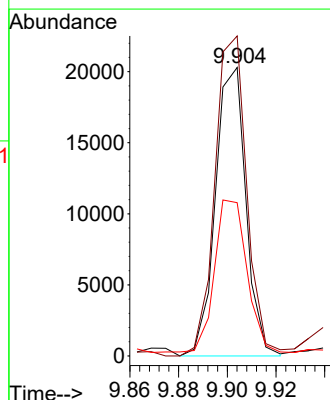
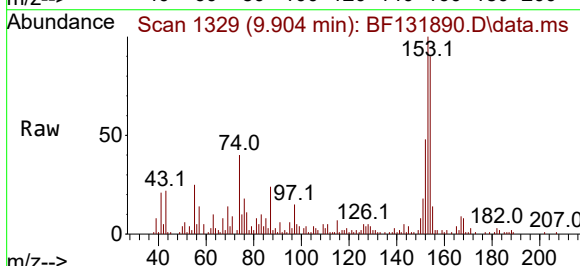
Tgt Ion:154 Resp: 17668

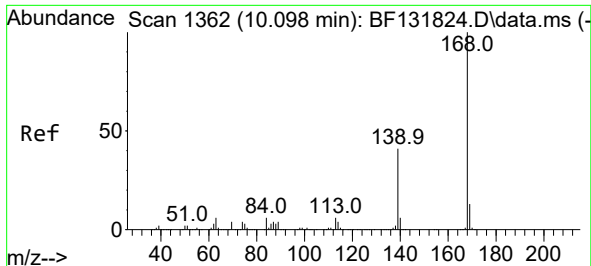
Ion Ratio Lower Upper

154 100

153 110.9 90.2 135.2

152 53.2 42.5 63.7

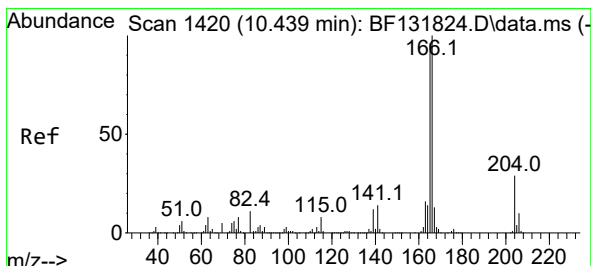
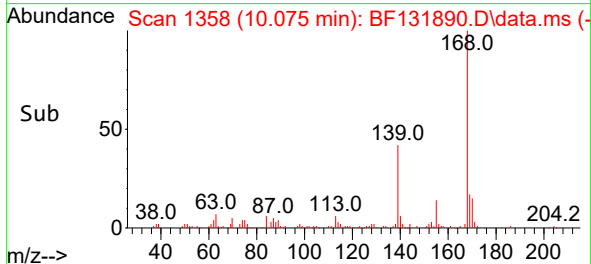
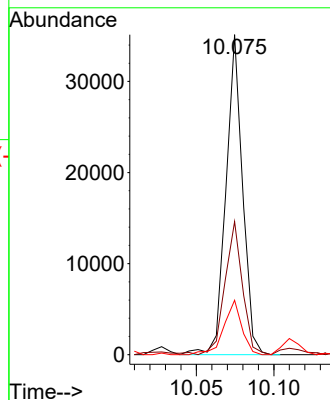
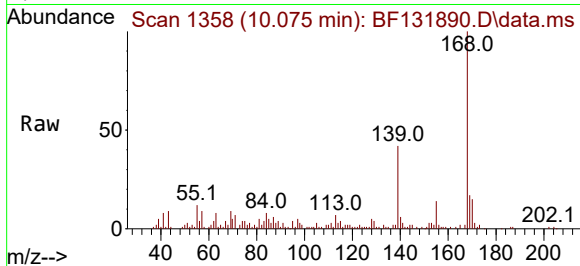




#55
Dibenzenofuran
Concen: 3.449 ng
RT: 10.075 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

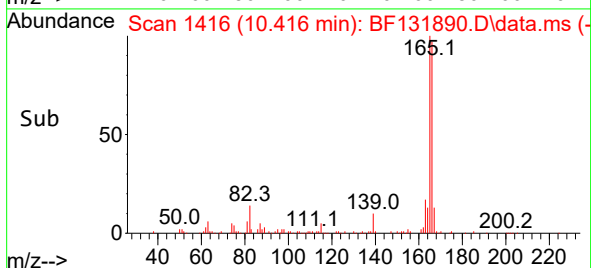
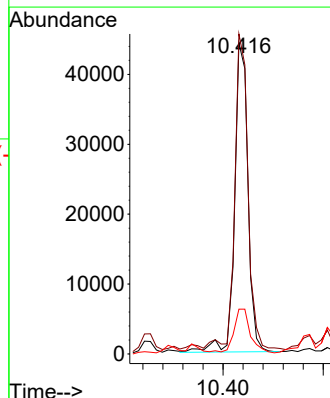
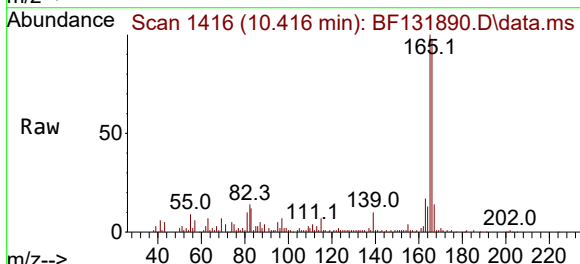
Instrument :
BNA_F
ClientSampleId :
NB-8-122822

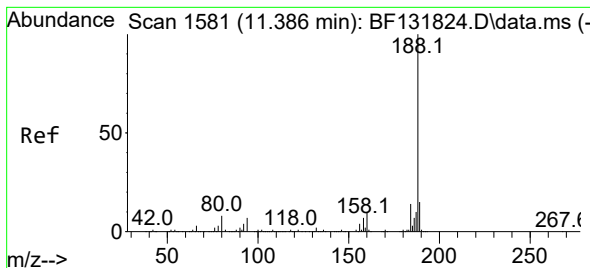
Tgt Ion:168 Resp: 26240
Ion Ratio Lower Upper
168 100
139 41.6 32.6 49.0
169 17.0 10.5 15.7#



#58
Fluorene
Concen: 6.580 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

Tgt Ion:166 Resp: 40863
Ion Ratio Lower Upper
166 100
165 103.0 77.0 115.4
167 14.4 10.4 15.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.363 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF131890.D

Acq: 29 Dec 2022 21:31

Instrument :

BNA_F

ClientSampleId :

NB-8-122822

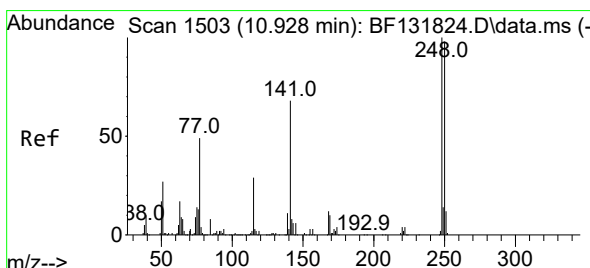
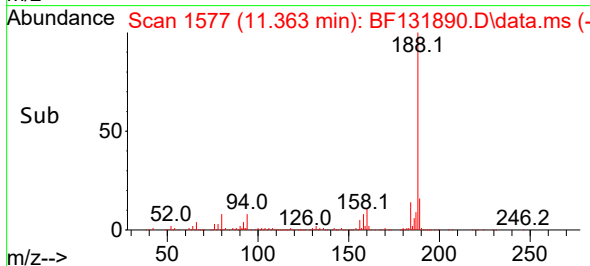
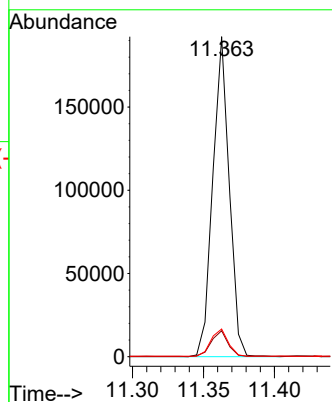
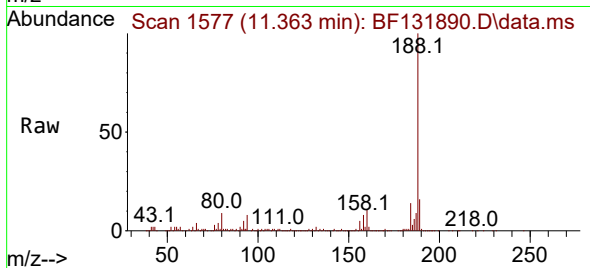
Tgt Ion:188 Resp: 155013

Ion Ratio Lower Upper

188 100

94 8.1 5.8 8.6

80 8.6 6.7 10.1



#67

4-Bromophenyl-phenylether

Concen: 3.408 ng

RT: 10.663 min Scan# 1458

Delta R.T. -0.241 min

Lab File: BF131890.D

Acq: 29 Dec 2022 21:31

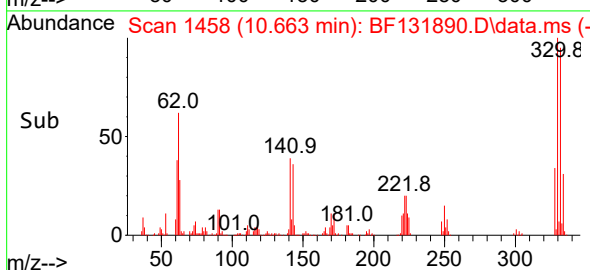
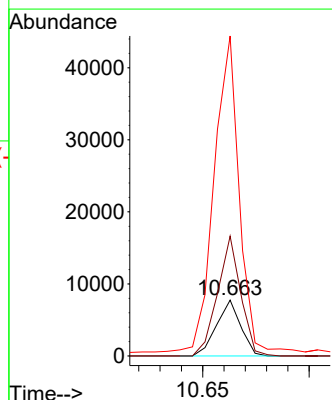
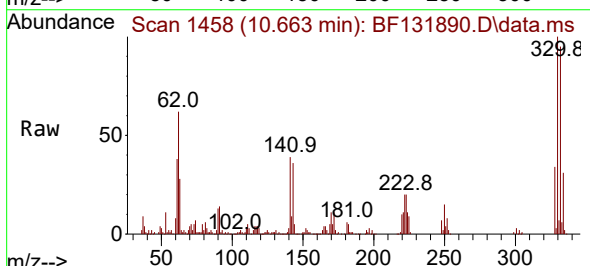
Tgt Ion:248 Resp: 6123

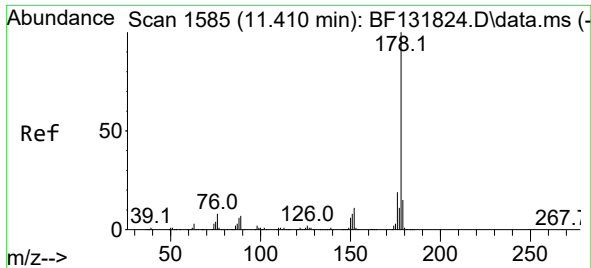
Ion Ratio Lower Upper

248 100

250 214.8 78.0 117.0#

141 573.3 54.8 82.2#

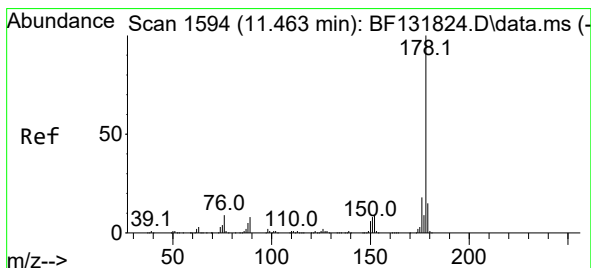
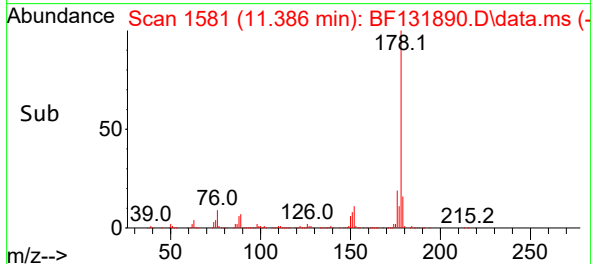
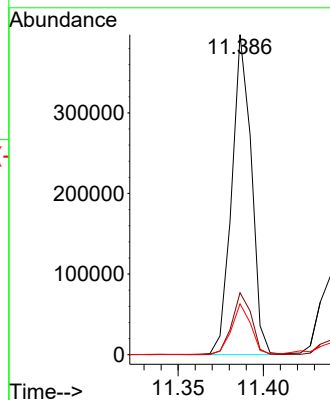
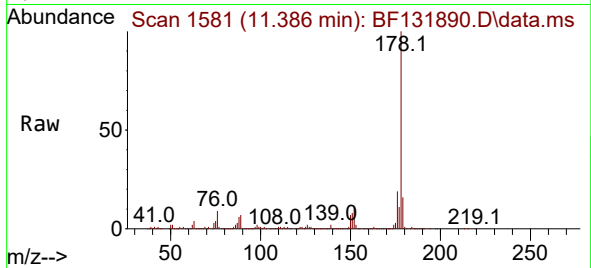




#71
Phenanthrene
Concen: 37.113 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

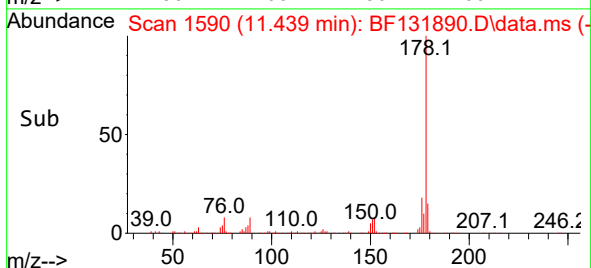
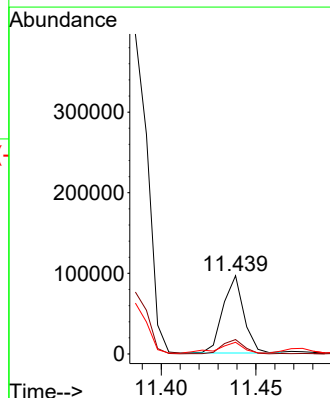
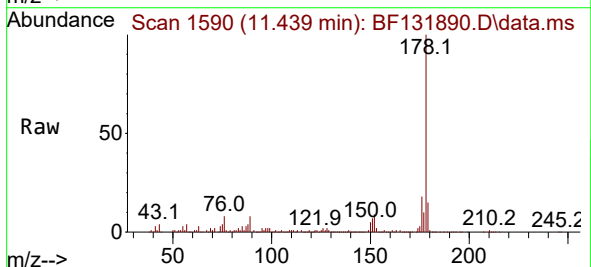
Instrument :
BNA_F
ClientSampleId :
NB-8-122822

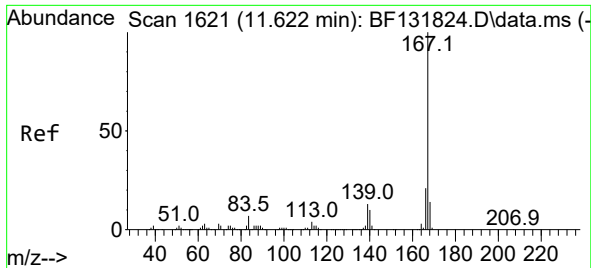
Tgt Ion:178 Resp: 316364
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.9 12.2 18.4



#72
Anthracene
Concen: 8.847 ng
RT: 11.439 min Scan# 1590
Delta R.T. -0.000 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

Tgt Ion:178 Resp: 73775
Ion Ratio Lower Upper
178 100
176 18.3 14.8 22.2
179 15.0 12.2 18.2

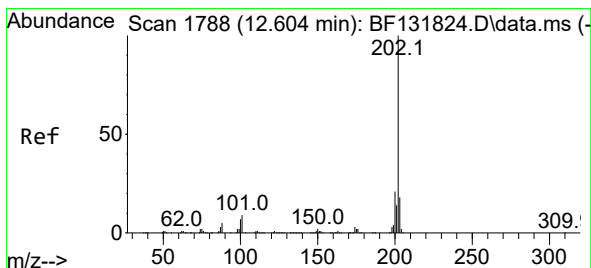
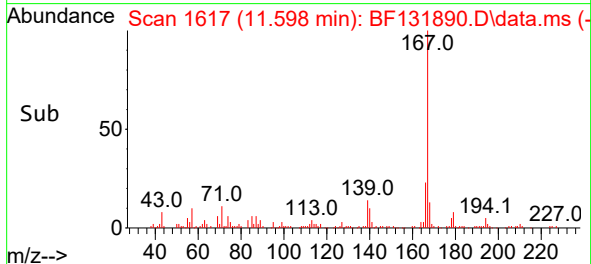
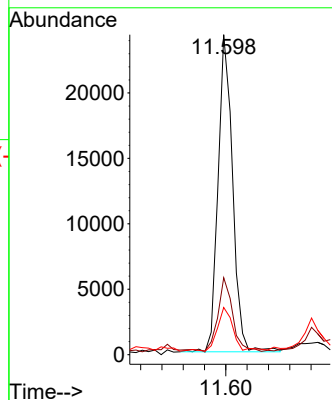
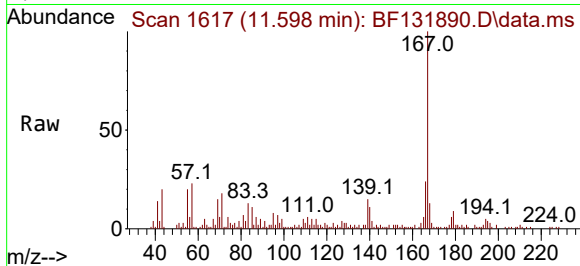




#73
 Carbazole
 Concen: 3.113 ng
 RT: 11.598 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: BF131890.D
 Acq: 29 Dec 2022 21:31

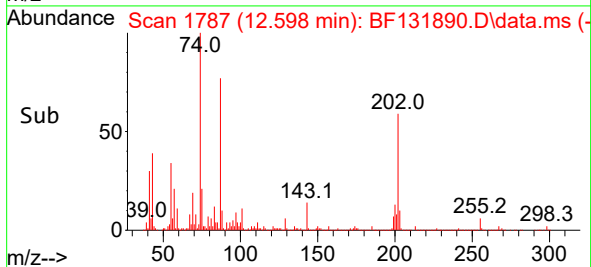
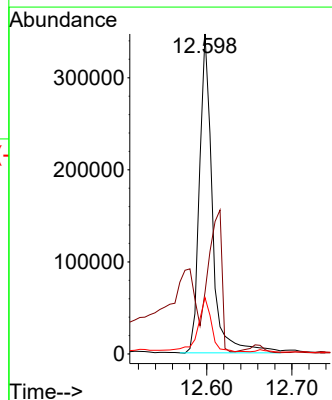
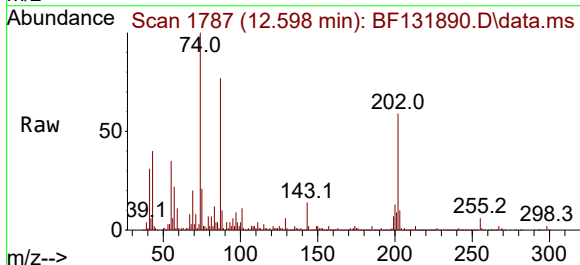
Instrument :
 BNA_F
 ClientSampleId :
 NB-8-122822

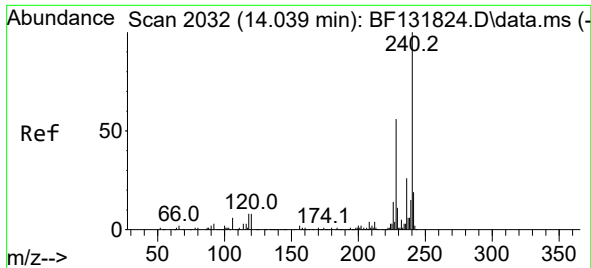
Tgt Ion:167	Resp:	22915
Ion Ratio	Lower	Upper
167	100	
166	24.1	16.6 24.8
139	14.7	10.6 15.8



#75
 Fluoranthene
 Concen: 36.659 ng
 RT: 12.598 min Scan# 1787
 Delta R.T. 0.018 min
 Lab File: BF131890.D
 Acq: 29 Dec 2022 21:31

Tgt Ion:202	Resp:	363993
Ion Ratio	Lower	Upper
202	100	
101	19.3	0.0 28.6
203	17.6	0.0 37.8

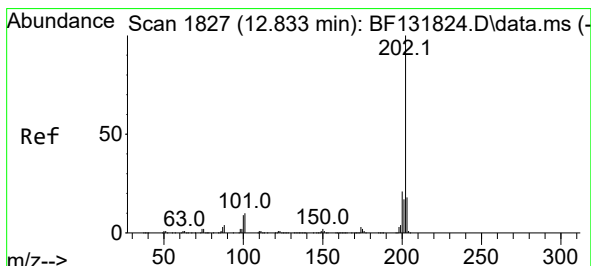
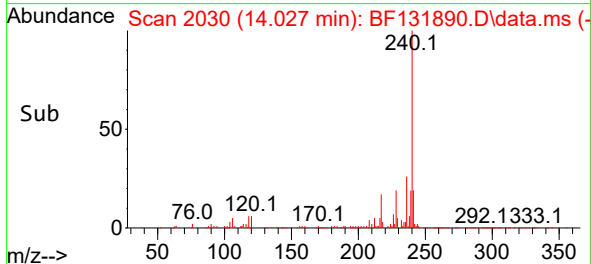
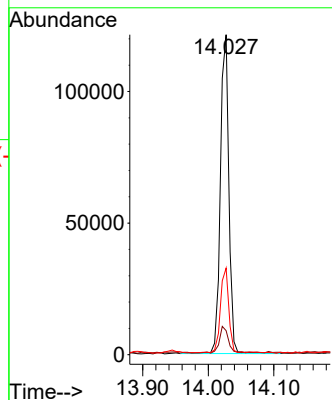
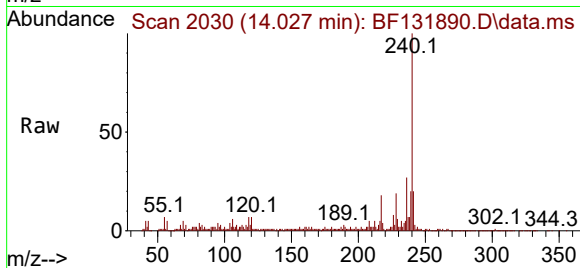




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2032
Delta R.T. 0.012 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

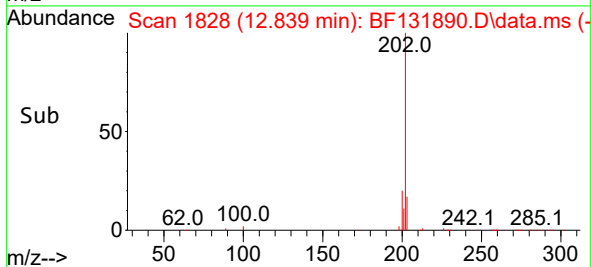
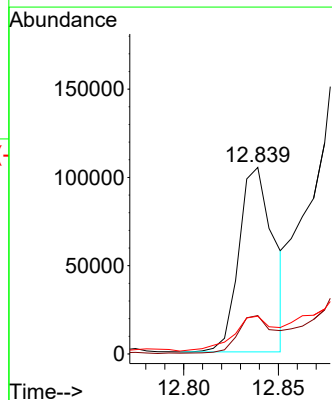
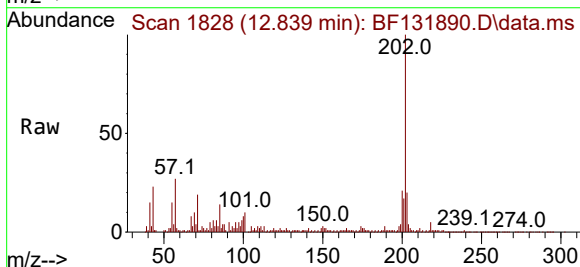
Instrument :
BNA_F
ClientSampleId :
NB-8-122822

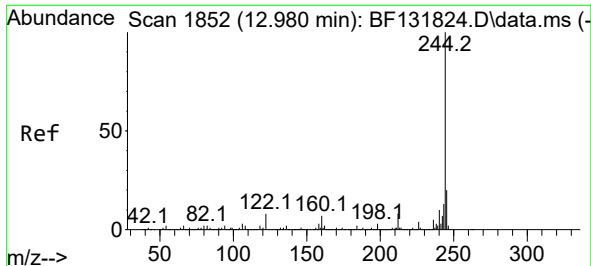
Tgt Ion:240 Resp: 108308
Ion Ratio Lower Upper
240 100
120 7.5 6.7 10.1
236 27.0 20.6 31.0



#78
Pyrene
Concen: 14.791 ng
RT: 12.839 min Scan# 1828
Delta R.T. 0.023 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

Tgt Ion:202 Resp: 134272
Ion Ratio Lower Upper
202 100
200 20.6 16.7 25.1
203 20.2 14.4 21.6

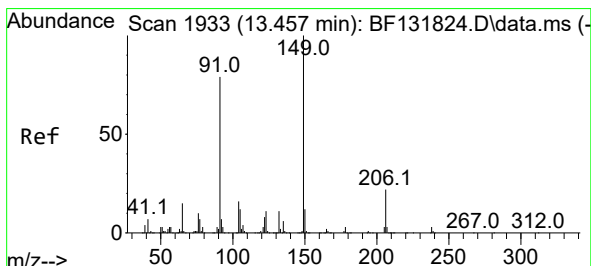
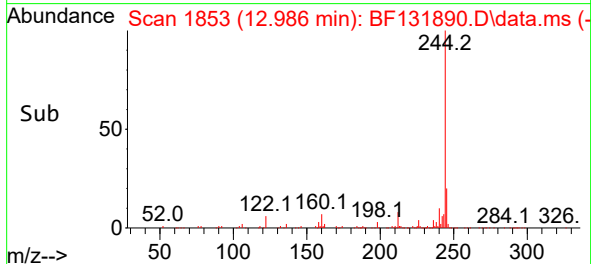
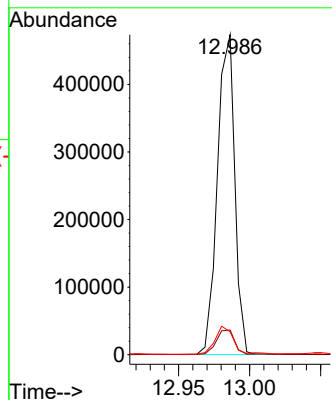
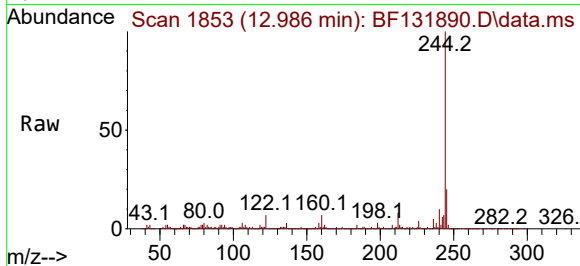




#79
 Terphenyl-d14
 Concen: 62.670 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. 0.029 min
 Lab File: BF131890.D
 Acq: 29 Dec 2022 21:31

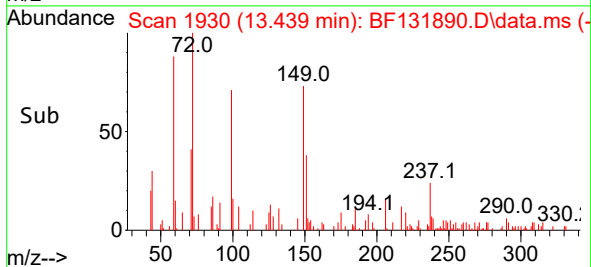
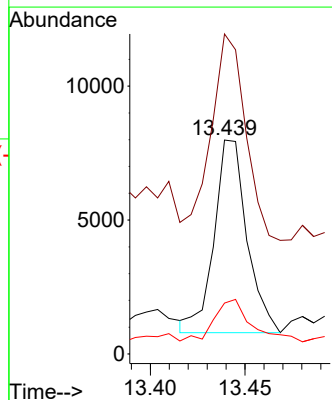
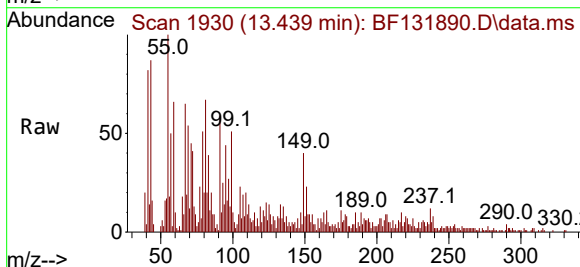
Instrument :
 BNA_F
 ClientSampleId :
 NB-8-122822

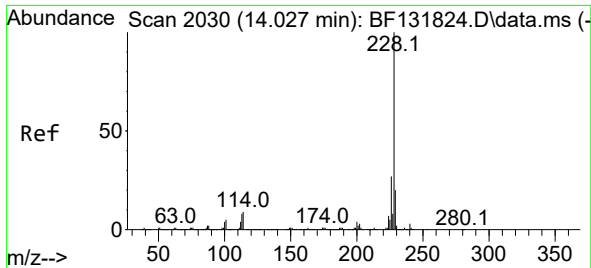
Tgt Ion:244 Resp: 401274
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.3 9.5
 122 7.2 6.4 9.6



#80
 Butylbenzylphthalate
 Concen: 2.584 ng
 RT: 13.439 min Scan# 1930
 Delta R.T. 0.006 min
 Lab File: BF131890.D
 Acq: 29 Dec 2022 21:31

Tgt Ion:149 Resp: 8700
 Ion Ratio Lower Upper
 149 100
 91 149.5 63.2 94.8#
 206 23.8 17.9 26.9

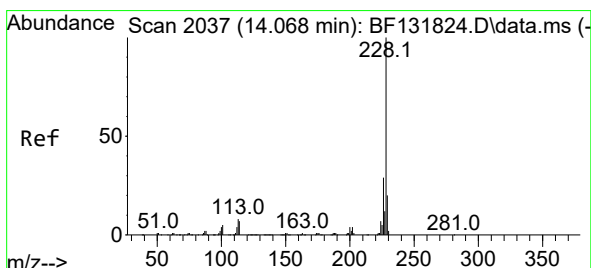
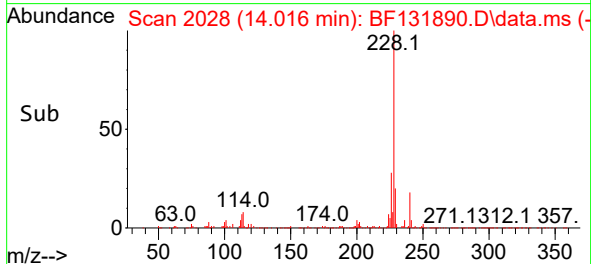
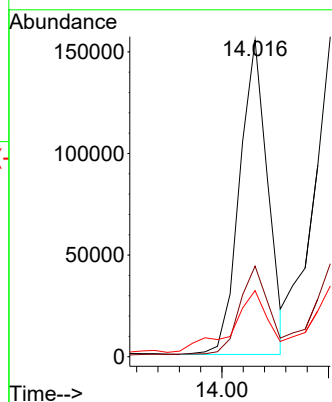
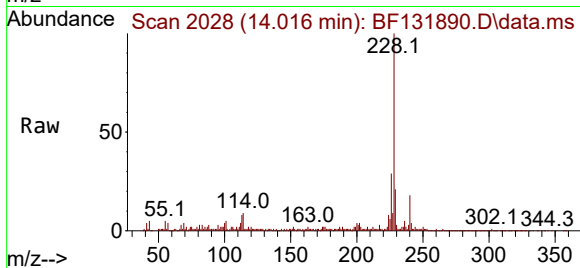




#81
Benzo(a)anthracene
Concen: 18.129 ng
RT: 14.016 min Scan# 2030
Delta R.T. 0.012 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

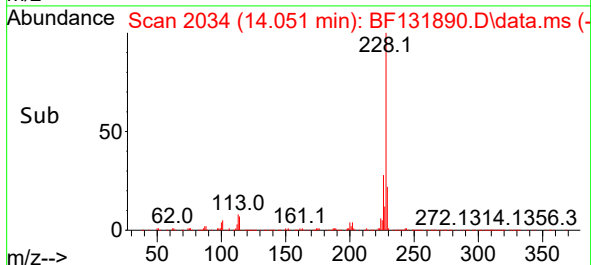
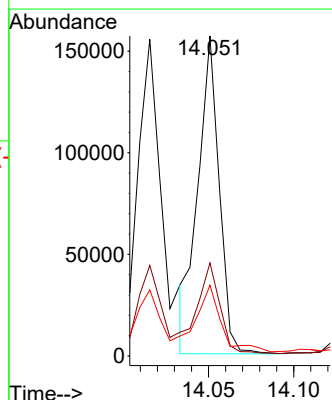
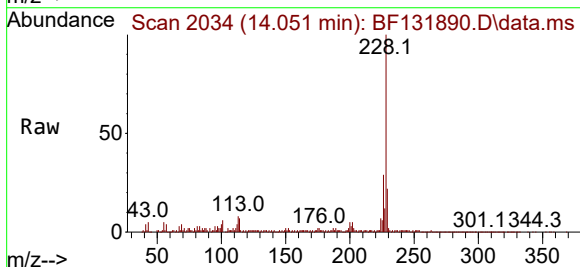
Instrument :
BNA_F
ClientSampleId :
NB-8-122822

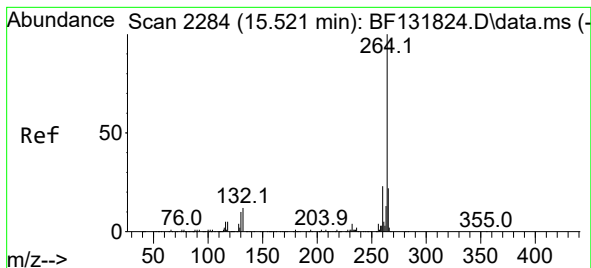
Tgt Ion:228 Resp: 142162
Ion Ratio Lower Upper
228 100
226 28.6 22.0 33.0
229 20.9 16.0 24.0



#83
Chrysene
Concen: 18.440 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

Tgt Ion:228 Resp: 135884
Ion Ratio Lower Upper
228 100
226 29.0 23.5 35.3
229 22.1 16.2 24.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF131890.D

Acq: 29 Dec 2022 21:31

Instrument :

BNA_F

ClientSampleId :

NB-8-122822

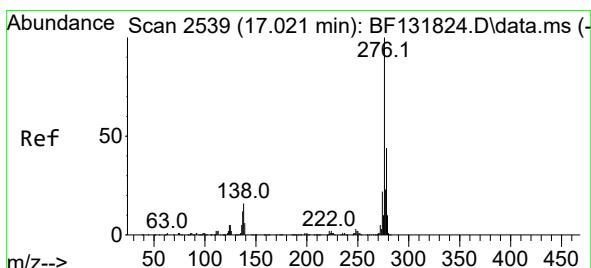
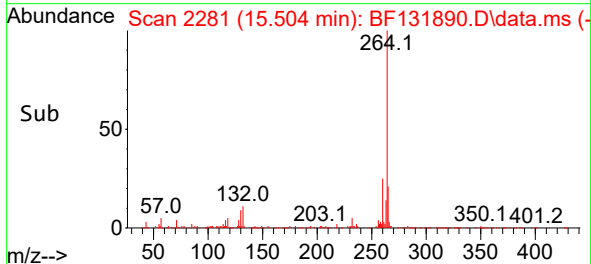
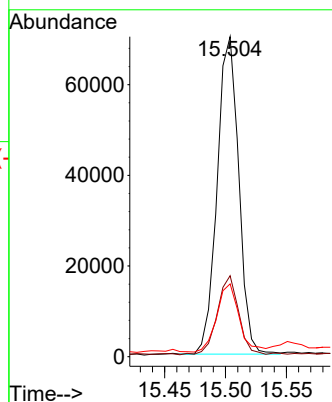
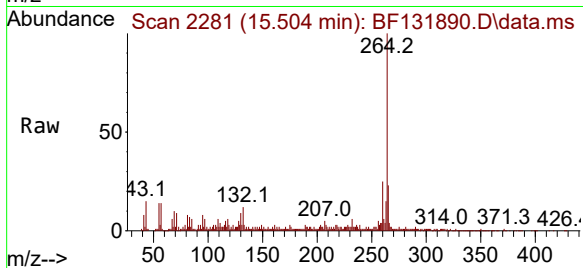
Tgt Ion:264 Resp: 86466

Ion Ratio Lower Upper

264 100

260 25.3 18.6 28.0

265 22.8 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 9.000 ng

RT: 16.986 min Scan# 2533

Delta R.T. 0.006 min

Lab File: BF131890.D

Acq: 29 Dec 2022 21:31

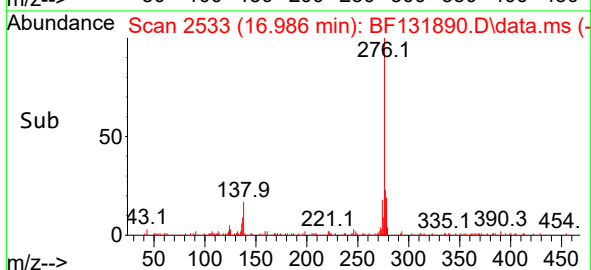
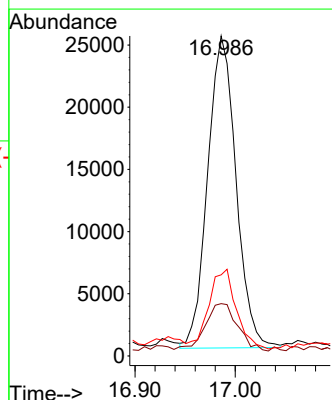
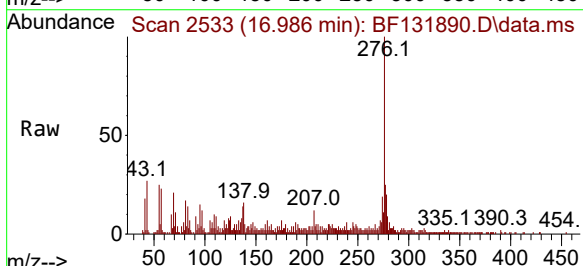
Tgt Ion:276 Resp: 49442

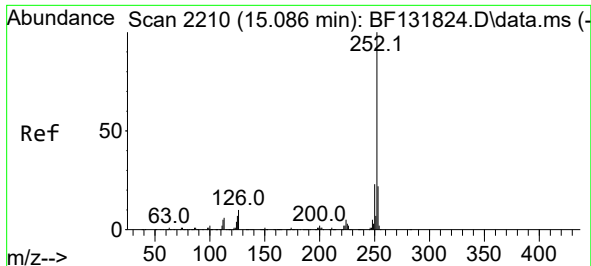
Ion Ratio Lower Upper

276 100

138 17.5 14.5 21.7

277 24.7 19.7 29.5

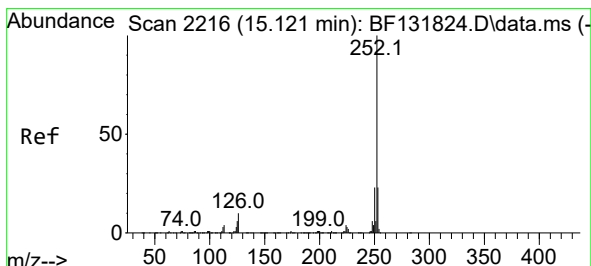
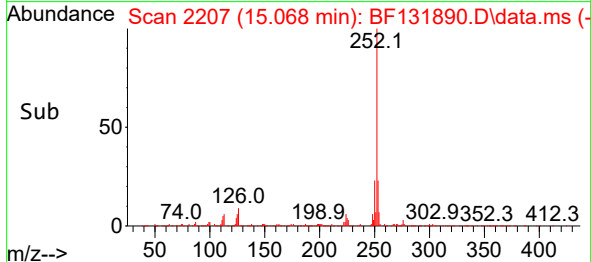
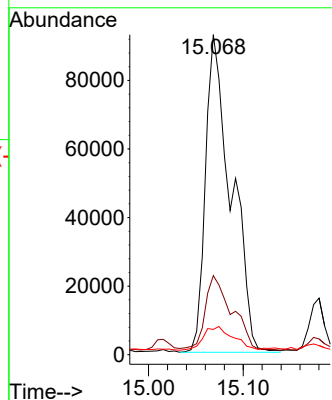
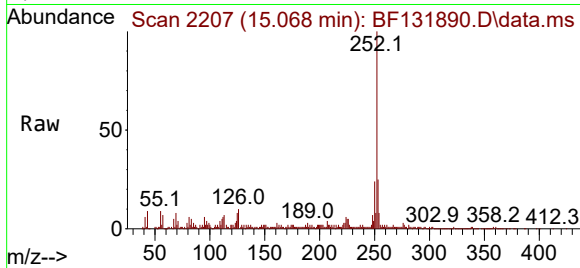




#88
Benzo(b)fluoranthene
Concen: 27.655 ng
RT: 15.068 min Scan# 2210
Delta R.T. 0.006 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

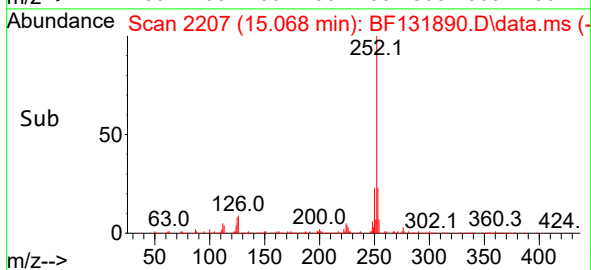
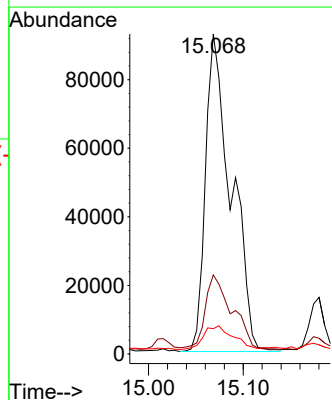
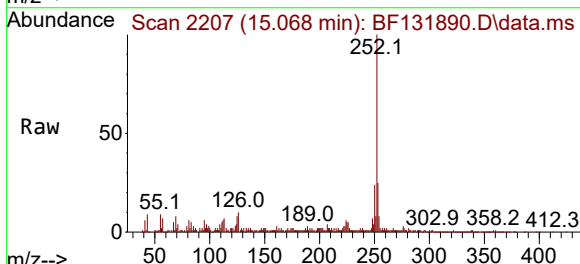
Instrument :
BNA_F
ClientSampleId :
NB-8-122822

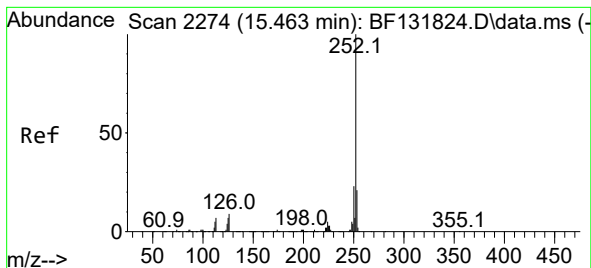
Tgt Ion:252 Resp: 175333
Ion Ratio Lower Upper
252 100
253 24.7 17.6 26.4
125 7.9 5.8 8.8



#89
Benzo(k)fluoranthene
Concen: 28.622 ng
RT: 15.068 min Scan# 2207
Delta R.T. -0.024 min
Lab File: BF131890.D
Acq: 29 Dec 2022 21:31

Tgt Ion:252 Resp: 175333
Ion Ratio Lower Upper
252 100
253 24.7 17.7 26.5
125 7.9 5.4 8.0





#90

Benzo(a)pyrene

Concen: 18.788 ng

RT: 15.439 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF131890.D

Acq: 29 Dec 2022 21:31

Instrument :

BNA_F

ClientSampleId :

NB-8-122822

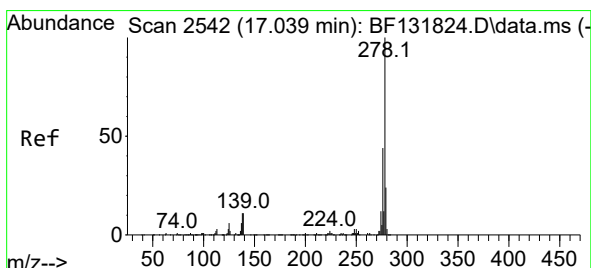
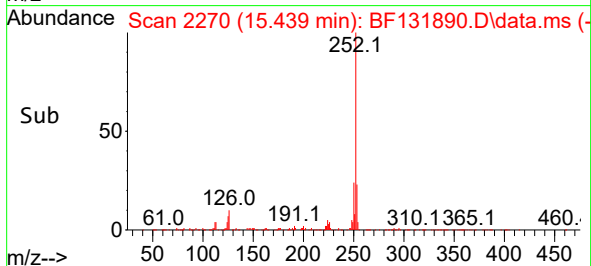
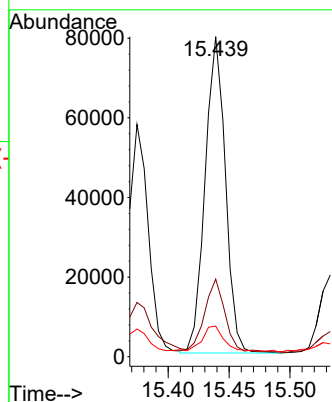
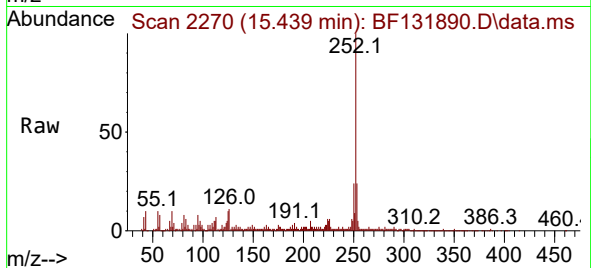
Tgt Ion:252 Resp: 92223

Ion Ratio Lower Upper

252 100

253 24.2 16.6 24.8

125 9.6 5.8 8.8#



#91

Dibenzo(a,h)anthracene

Concen: 2.892 ng

RT: 16.992 min Scan# 2534

Delta R.T. -0.000 min

Lab File: BF131890.D

Acq: 29 Dec 2022 21:31

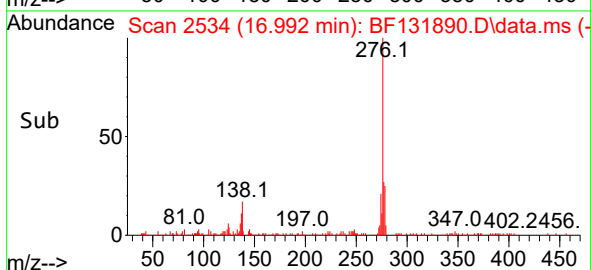
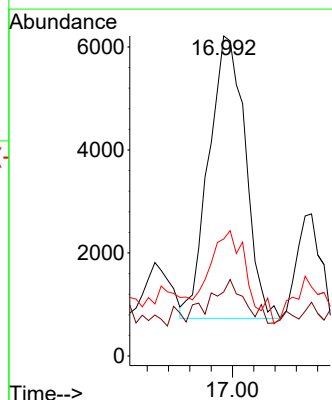
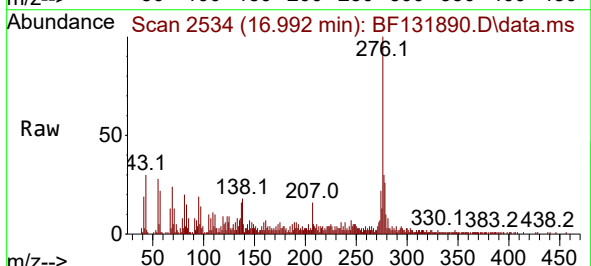
Tgt Ion:278 Resp: 13015

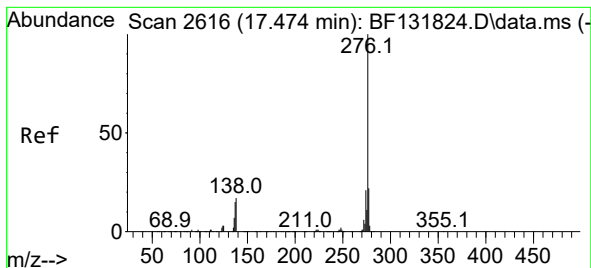
Ion Ratio Lower Upper

278 100

139 20.0 8.6 12.8#

279 36.6 19.0 28.4#





#92

Benzo(g,h,i)perylene

Concen: 13.641 ng

RT: 17.439 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF131890.D

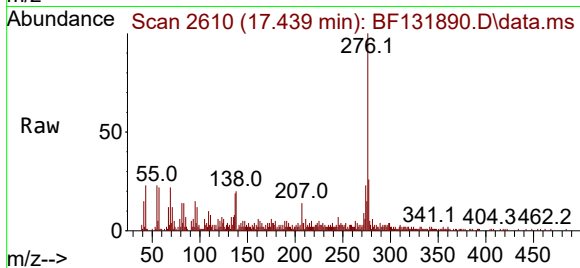
Acq: 29 Dec 2022 21:31

Instrument :

BNA_F

ClientSampleId :

NB-8-122822



Tgt Ion:276 Resp: 50152

Ion Ratio Lower Upper

276 100

277 26.0 17.9 26.9

138 20.3 13.7 20.5

