

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
 Data File : BF133425.D
 Acq On : 17 May 2023 21:25
 Operator : CG\JU
 Sample : 02811-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11995

Quant Time: May 18 04:06:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 16 14:39:29 2023
 Response via : Initial Calibration

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

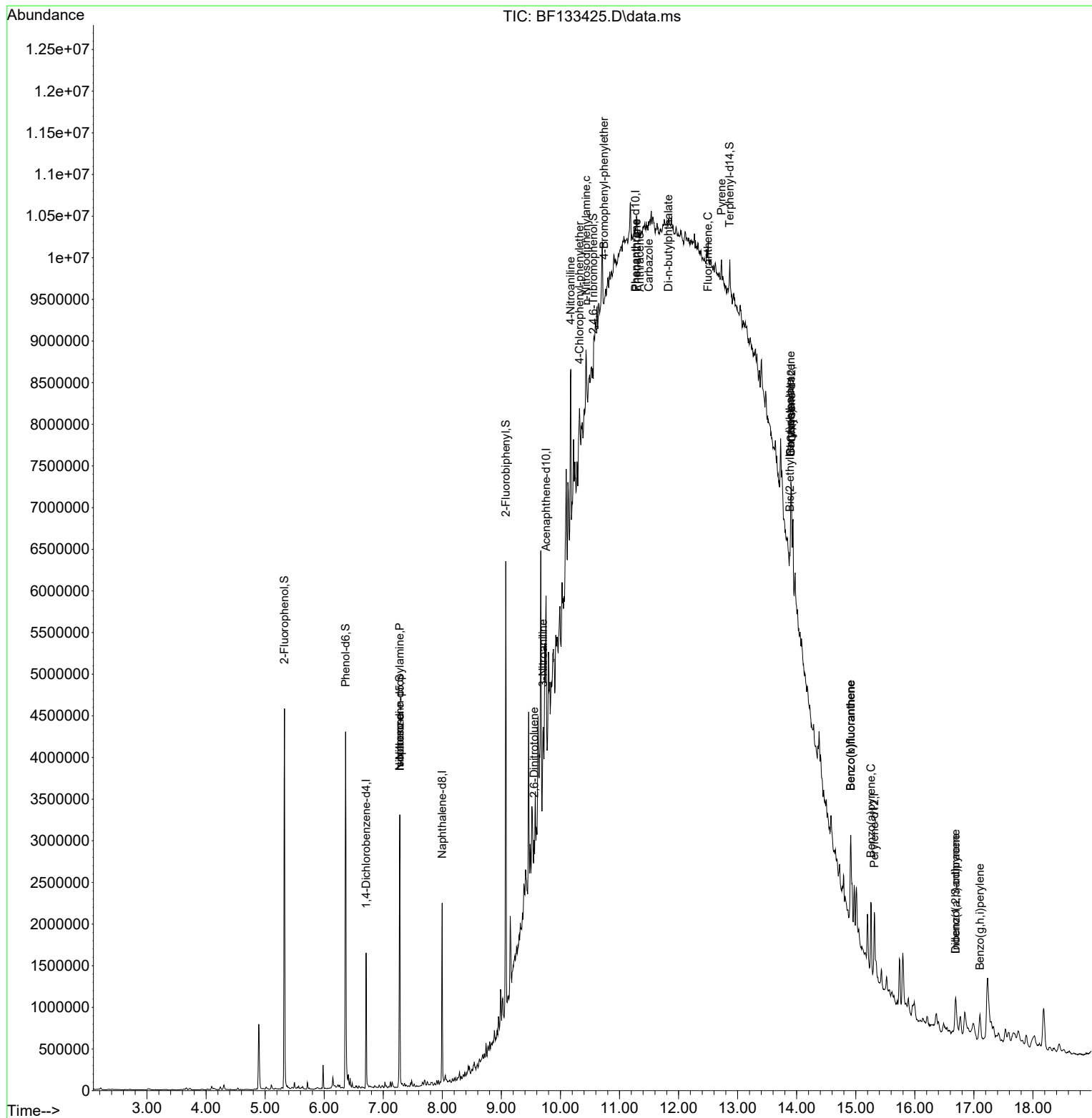
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.710	152	219102	20.000	ng	-0.01
21) Naphthalene-d8	7.998	136	852132	20.000	ng	-0.01
39) Acenaphthene-d10	9.757	164	319952	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	202123	20.000	ng	# 0.02
76) Chrysene-d12	13.910	240	343691	20.000	ng	# 0.02
86) Perylene-d12	15.315	264	338625	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	1370330	94.478	ng	0.00
7) Phenol-d6	6.363	99	1641150	91.161	ng	0.00
23) Nitrobenzene-d5	7.281	82	986738	62.503	ng	-0.01
42) 2,4,6-Tribromophenol	10.557	330	232235	72.174	ng	0.00
45) 2-Fluorobiphenyl	9.075	172	1664388	87.029	ng	-0.01
79) Terphenyl-d14	12.863	244	730329	36.648	ng	0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.257	77	7765	Below Cal		93
19) n-Nitroso-di-n-propyla...	7.281	70	130732	11.665 ng	#	75
25) Isophorone	7.281	82	986524	32.913 ng	#	63
51) 2,6-Dinitrotoluene	9.557	165	24329	4.845 ng	#	28
53) 3-Nitroaniline	9.704	138	26603	4.456 ng	#	16
61) 4-Chlorophenyl-phenyle...	10.322	204	26350	2.723 ng	#	40
62) 4-Nitroaniline	10.175	138	37443	6.823 ng		81
66) n-Nitrosodiphenylamine	10.433	169	13825	2.109 ng	#	65
67) 4-Bromophenyl-phenylether	10.739	248	10919	4.981 ng	#	1
71) Phenanthrene	11.292	178	267397	24.614 ng	#	68
72) Anthracene	11.345	178	59520	5.354 ng	#	25
73) Carbazole	11.498	167	30283	3.059 ng	#	1
74) Di-n-butylphthalate	11.827	149	68713	6.134 ng	#	39
75) Fluoranthene	12.498	202	532134	48.807 ng		91
78) Pyrene	12.727	202	474954	16.121 ng	#	95
81) Benzo(a)anthracene	13.898	228	417762	17.676 ng		95
83) Chrysene	13.898	228	417762	17.680 ng		95
84) Bis(2-ethylhexyl)phtha...	13.886	149	50508	3.857 ng	#	80
87) Indeno(1,2,3-cd)pyrene	16.692	276	212963	11.056 ng		92
88) Benzo(b)fluoranthene	14.915	252	785448	36.460 ng	#	93
89) Benzo(k)fluoranthene	14.915	252	785448	36.780 ng	#	93
90) Benzo(a)pyrene	15.257	252	355704	18.140 ng	#	94
91) Dibenzo(a,h)anthracene	16.692	278	53581	3.335 ng	#	81
92) Benzo(g,h,i)perylene	17.104	276	201480	12.703 ng		98

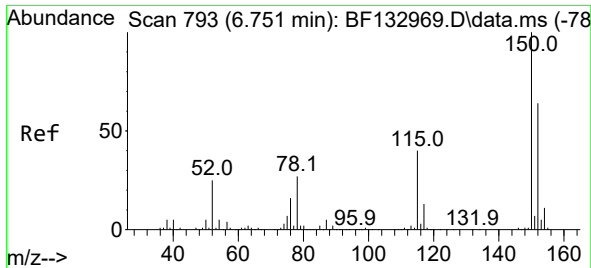
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133425.D
Acq On : 17 May 2023 21:25
Operator : CG\JU
Sample : 02811-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
72-11995

Quant Time: May 18 04:06:16 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 16 14:39:29 2023
Response via : Initial Calibration

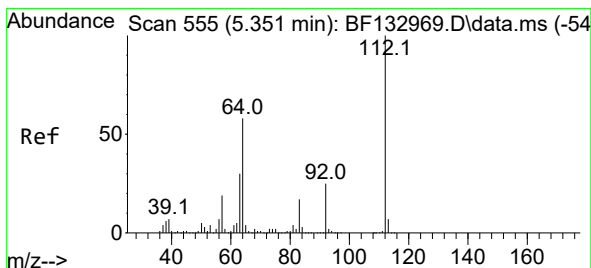
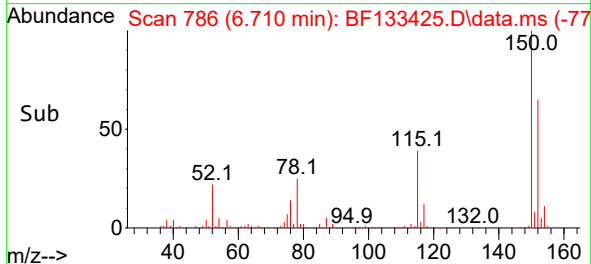
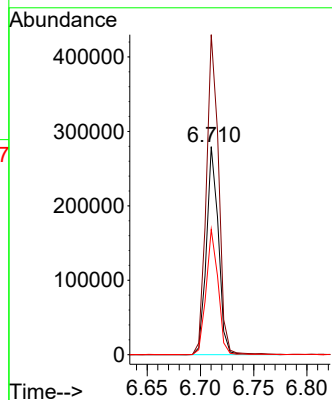
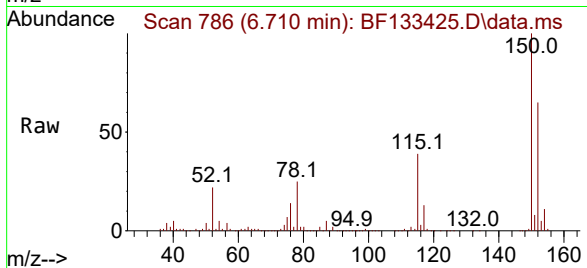




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.710 min Scan# 793
 Delta R.T. -0.012 min
 Lab File: BF133425.D
 Acq: 17 May 2023 21:25

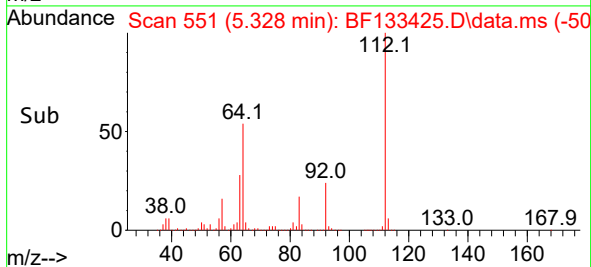
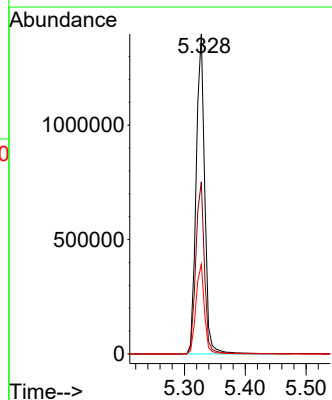
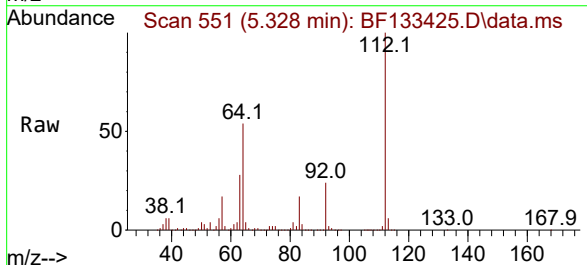
Instrument :
 BNA_F
 ClientSampleId :
 72-11995

Tgt Ion:152 Resp: 219102
 Ion Ratio Lower Upper
 152 100
 150 153.8 124.8 187.2
 115 60.2 49.9 74.9



#5
 2-Fluorophenol
 Concen: 94.478 ng
 RT: 5.328 min Scan# 551
 Delta R.T. -0.006 min
 Lab File: BF133425.D
 Acq: 17 May 2023 21:25

Tgt Ion:112 Resp: 1370330
 Ion Ratio Lower Upper
 112 100
 64 53.8 46.8 70.2
 63 28.1 23.8 35.8

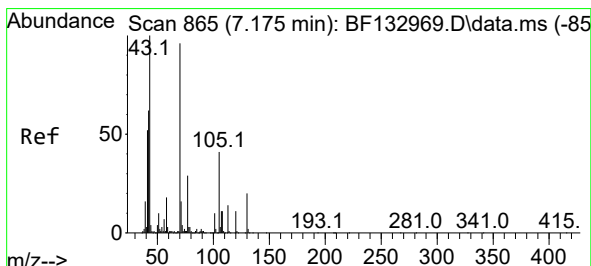
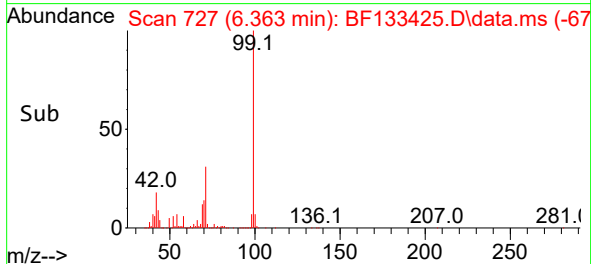
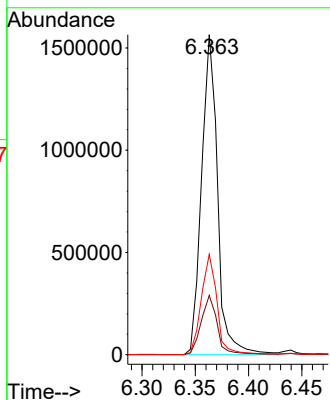
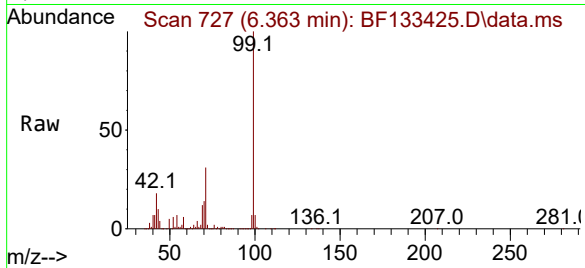




#7
Phenol-d6
Concen: 91.161 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

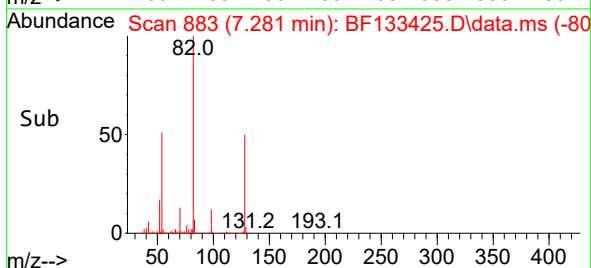
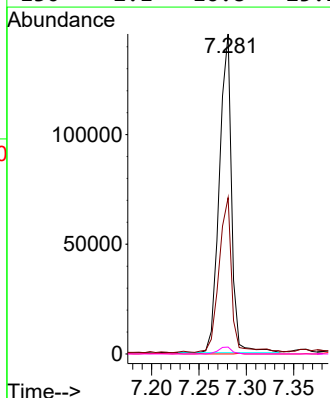
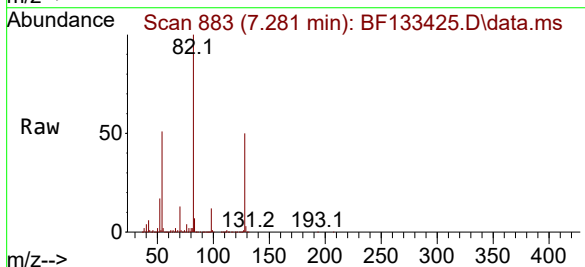
Instrument :
BNA_F
ClientSampleId :
72-11995

Tgt Ion: 99 Resp: 1641150
Ion Ratio Lower Upper
99 100
42 18.5 16.3 24.5
71 31.4 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.665 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.135 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

Tgt Ion: 70 Resp: 130732
Ion Ratio Lower Upper
70 100
42 48.8 51.8 77.6#
101 0.0 8.0 12.0#
130 2.1 16.8 25.2#

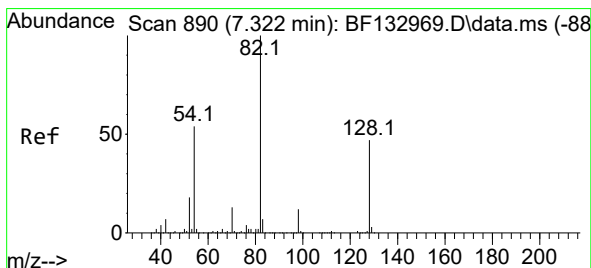
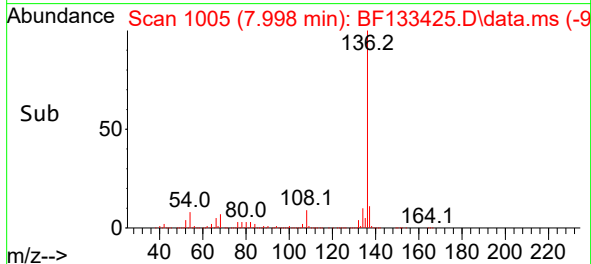
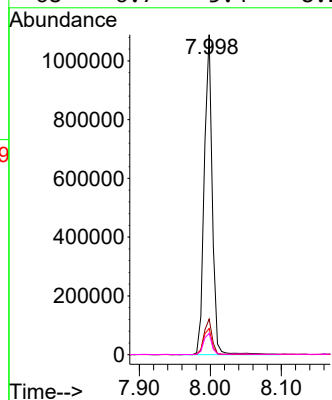
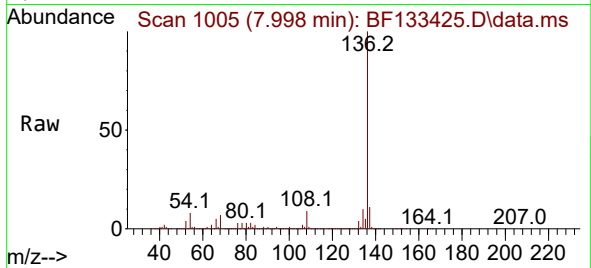




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.998 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

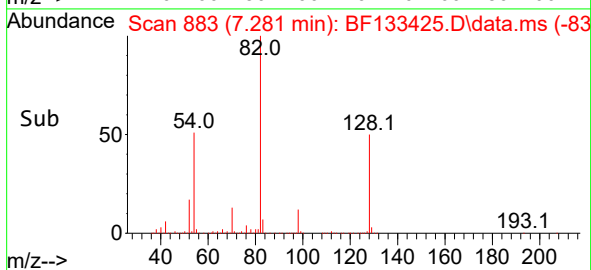
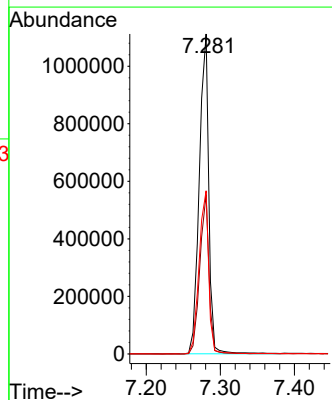
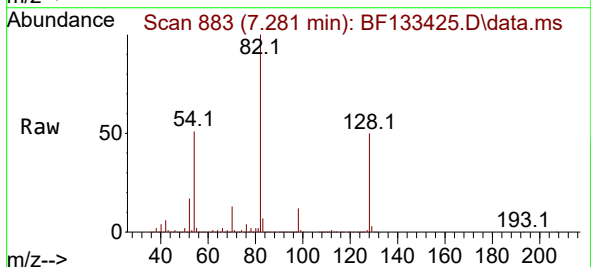
Instrument :
BNA_F
ClientSampleId :
72-11995

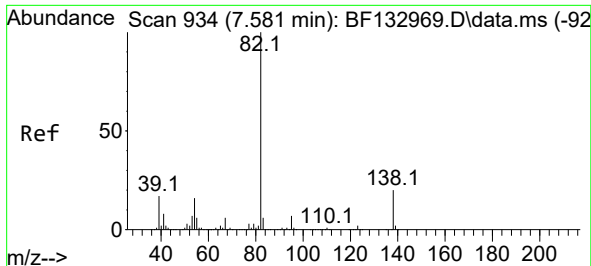
Tgt Ion:136 Resp: 852132
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.2 7.0 10.4
68 6.7 5.4 8.2



#23
Nitrobenzene-d5
Concen: 62.503 ng
RT: 7.281 min Scan# 883
Delta R.T. -0.012 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

Tgt Ion: 82 Resp: 986738
Ion Ratio Lower Upper
82 100
128 49.9 37.7 56.5
54 51.0 43.0 64.4

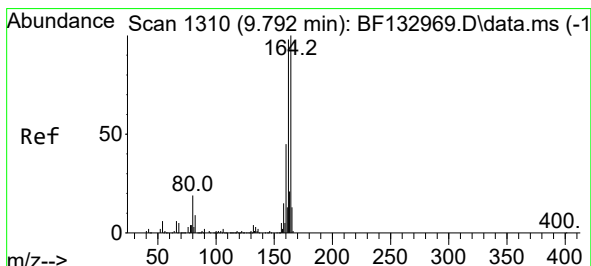
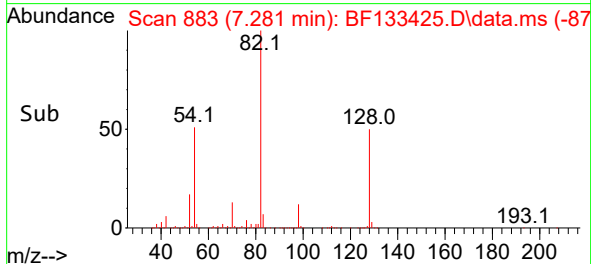
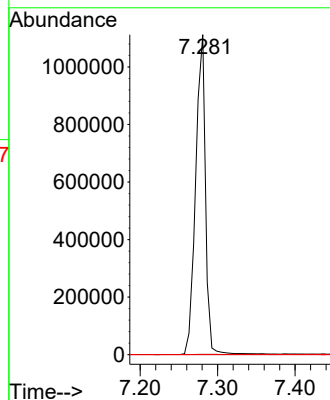
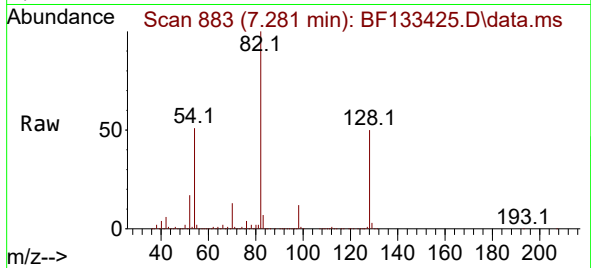




#25
Isophorone
Concen: 32.913 ng
RT: 7.281 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

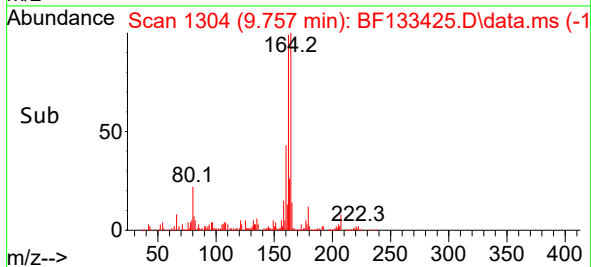
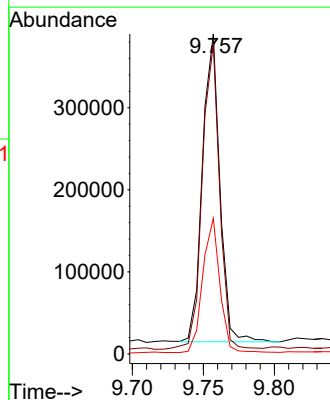
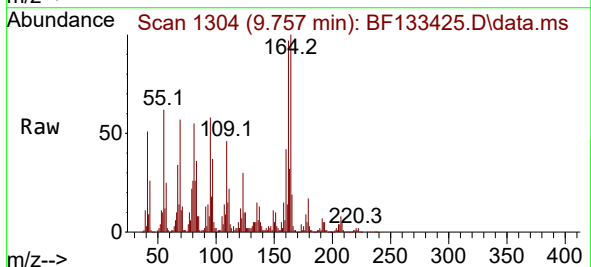
Instrument :
BNA_F
ClientSampleId :
72-11995

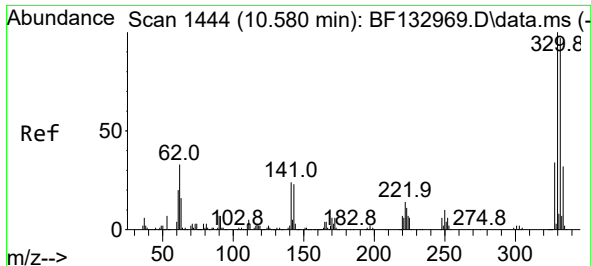
Tgt Ion: 82 Resp: 986524
Ion Ratio Lower Upper
82 100
95 0.1 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

Tgt Ion:164 Resp: 319952
Ion Ratio Lower Upper
164 100
162 96.8 78.7 118.1
160 42.3 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 72.174 ng

RT: 10.557 min Scan# 1444

Delta R.T. 0.006 min

Lab File: BF133425.D

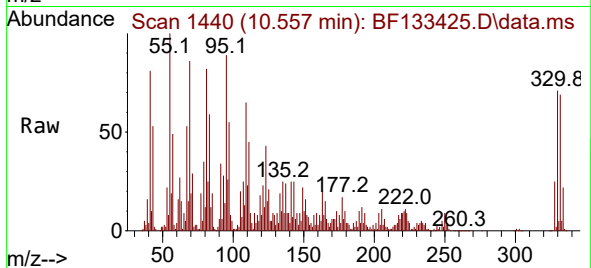
Acq: 17 May 2023 21:25

Instrument :

BNA_F

ClientSampleId :

72-11995



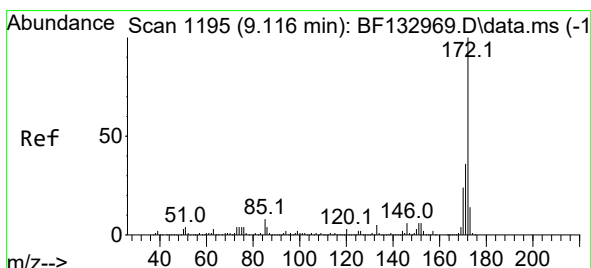
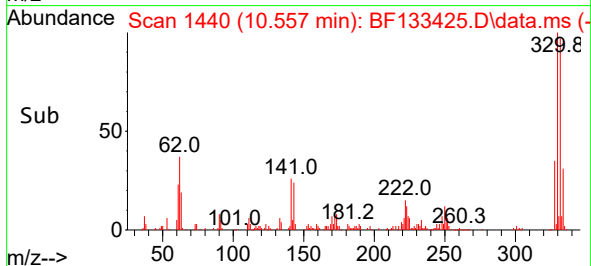
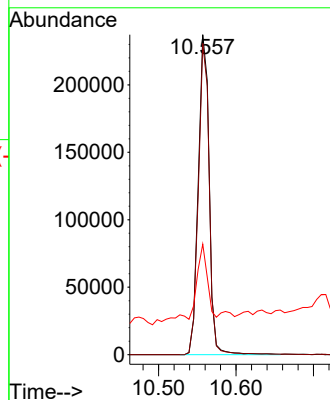
Tgt Ion:330 Resp: 232235

Ion Ratio Lower Upper

330 100

332 96.9 77.1 115.7

141 30.9 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 87.029 ng

RT: 9.075 min Scan# 1188

Delta R.T. -0.012 min

Lab File: BF133425.D

Acq: 17 May 2023 21:25

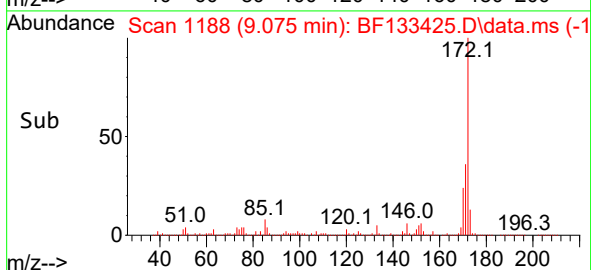
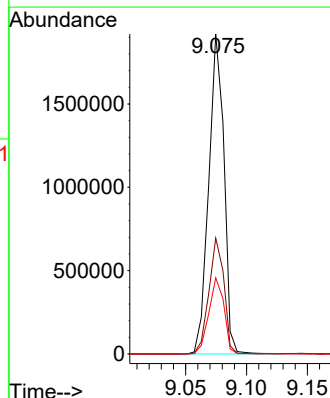
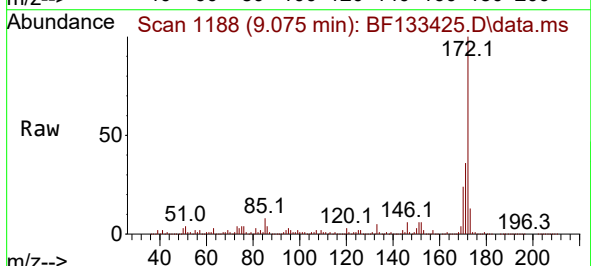
Tgt Ion:172 Resp: 1664388

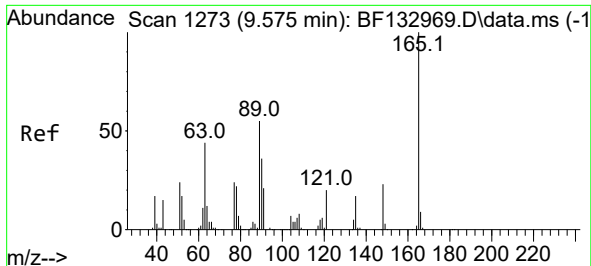
Ion Ratio Lower Upper

172 100

171 36.2 28.8 43.2

170 23.8 19.4 29.2

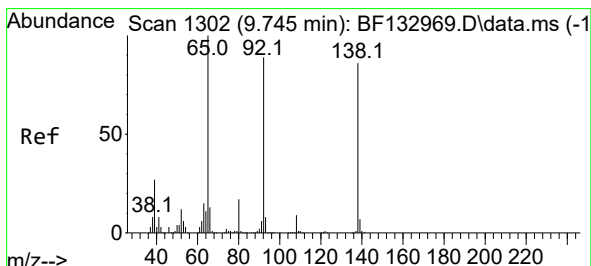
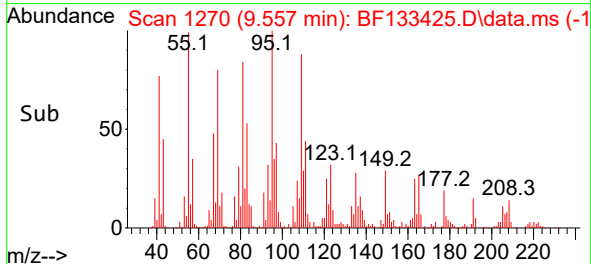
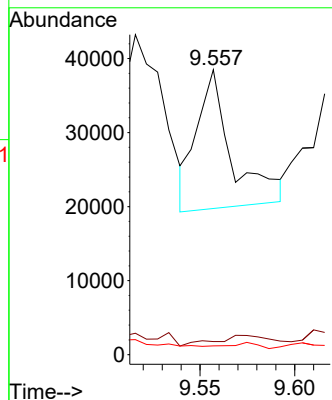
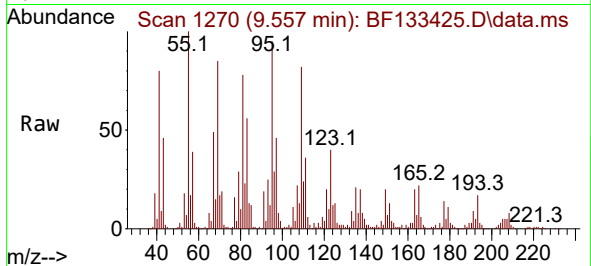




#51
2,6-Dinitrotoluene
Concen: 4.845 ng
RT: 9.557 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

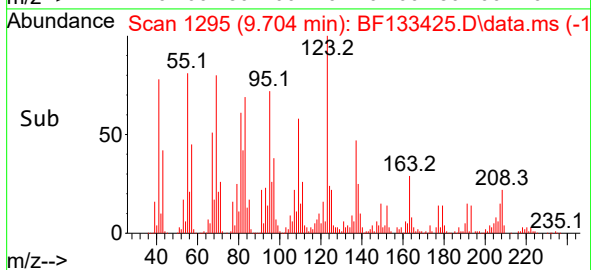
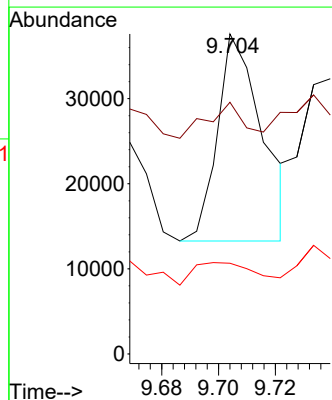
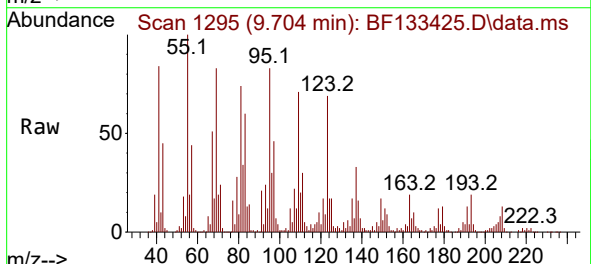
Instrument :
BNA_F
ClientSampleId :
72-11995

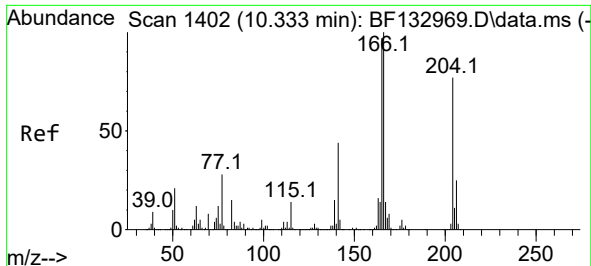
Tgt Ion:165 Resp: 24329
Ion Ratio Lower Upper
165 100
63 4.6 45.9 68.9#
89 3.1 44.0 66.0#



#53
3-Nitroaniline
Concen: 4.456 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.018 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

Tgt Ion:138 Resp: 26603
Ion Ratio Lower Upper
138 100
108 78.7 8.0 12.0#
92 28.3 83.6 125.4#

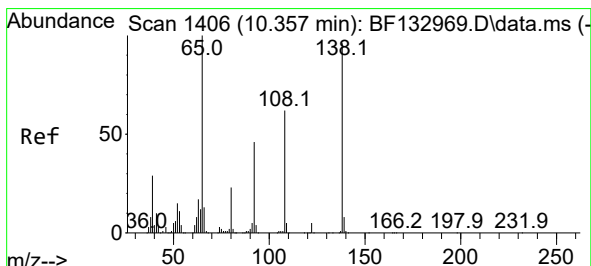
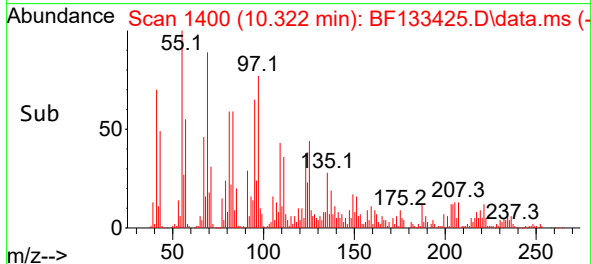
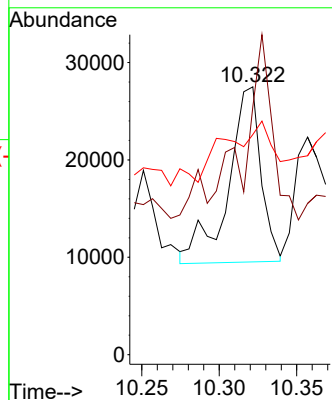
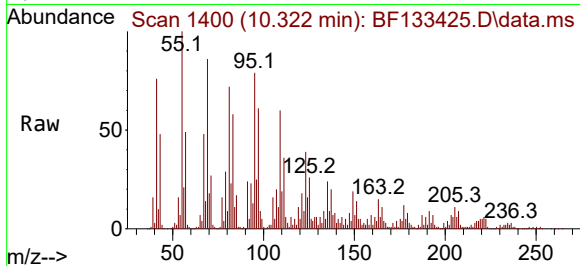




#61
4-Chlorophenyl-phenylether
Concen: 2.723 ng
RT: 10.322 min Scan# 14
Delta R.T. 0.024 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

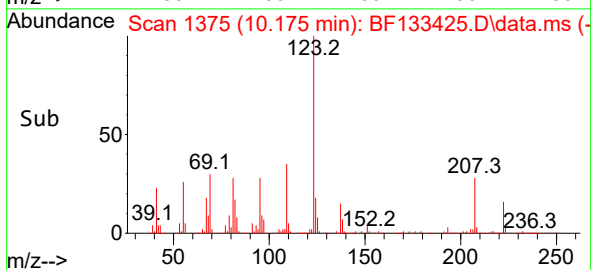
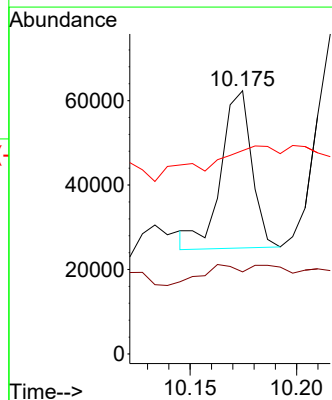
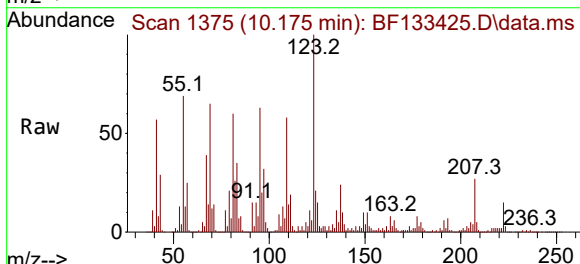
Instrument :
BNA_F
ClientSampleId :
72-11995

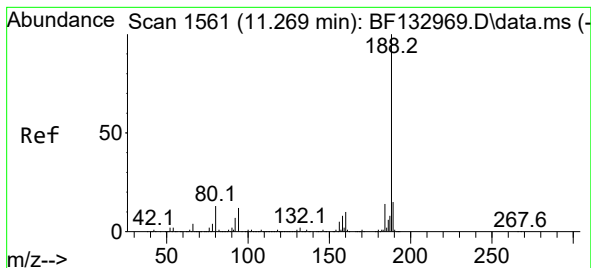
Tgt Ion:204 Resp: 26350
Ion Ratio Lower Upper
204 100
206 92.6 26.1 39.1#
141 82.2 46.1 69.1#



#62
4-Nitroaniline
Concen: 6.823 ng
RT: 10.175 min Scan# 1375
Delta R.T. -0.159 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

Tgt Ion:138 Resp: 37443
Ion Ratio Lower Upper
138 100
92 31.2 27.7 67.7
108 77.3 45.2 85.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1

Delta R.T. 0.023 min

Lab File: BF133425.D

Acq: 17 May 2023 21:25

Instrument :

BNA_F

ClientSampleId :

72-11995

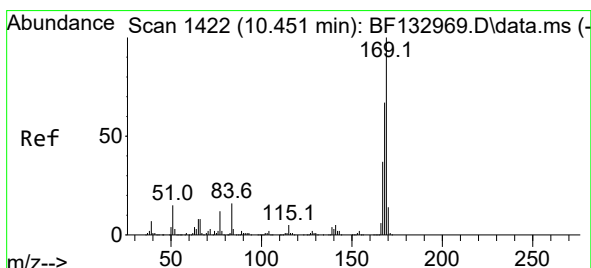
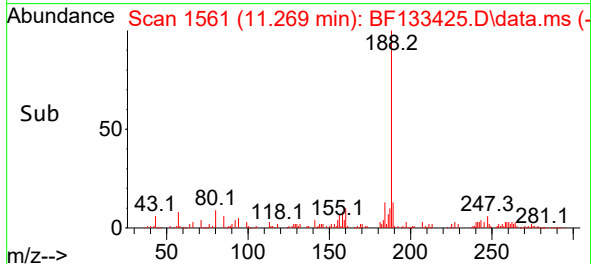
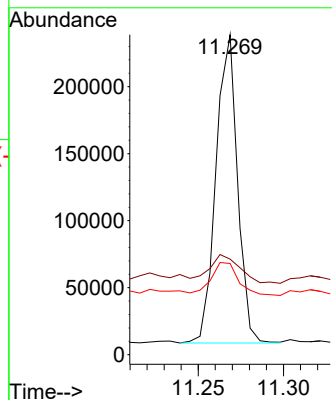
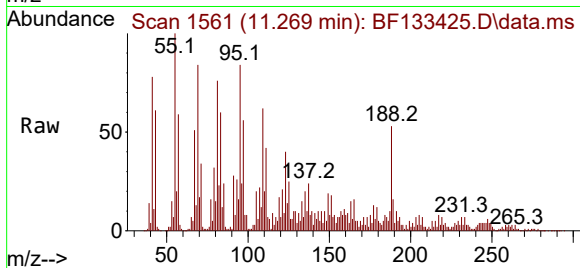
Tgt Ion:188 Resp: 202123

Ion Ratio Lower Upper

188 100

94 29.9 9.7 14.5#

80 28.5 10.4 15.6#



#66

n-Nitrosodiphenylamine

Concen: 2.109 ng

RT: 10.433 min Scan# 1419

Delta R.T. 0.012 min

Lab File: BF133425.D

Acq: 17 May 2023 21:25

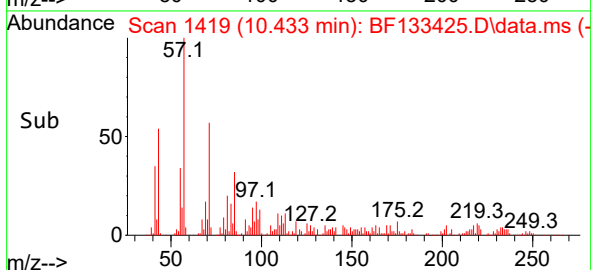
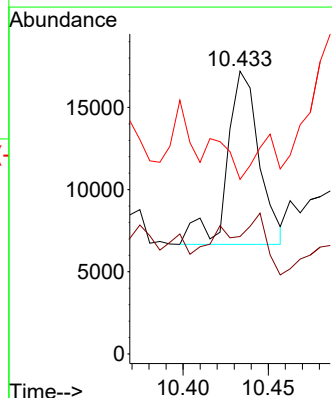
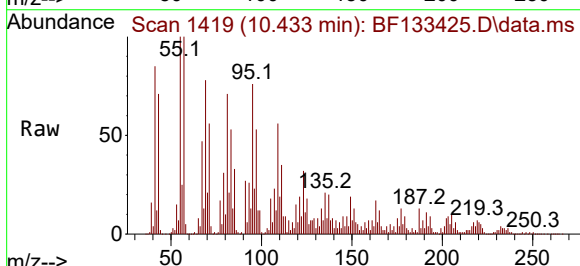
Tgt Ion:169 Resp: 13825

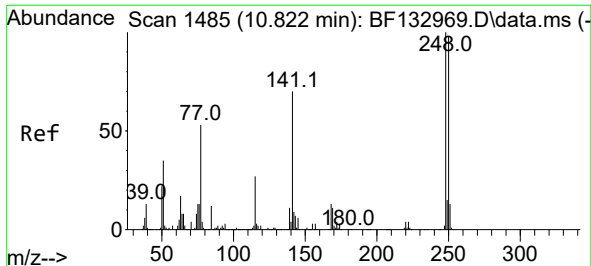
Ion Ratio Lower Upper

169 100

168 41.6 53.8 80.8#

167 61.8 29.7 44.5#

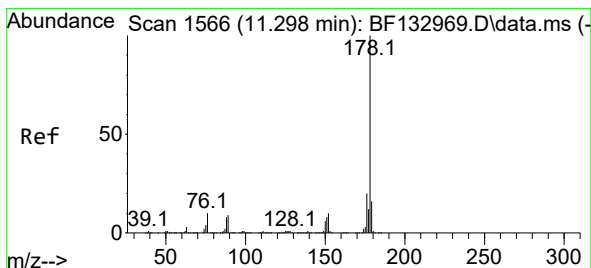
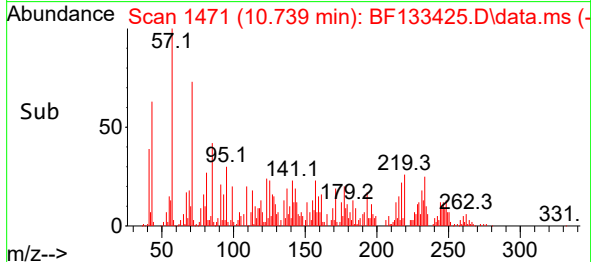
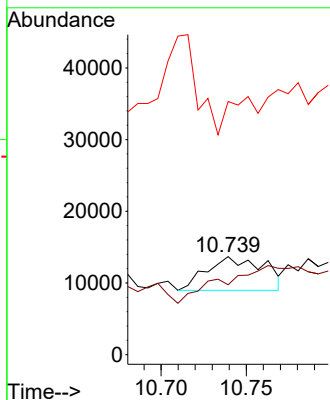
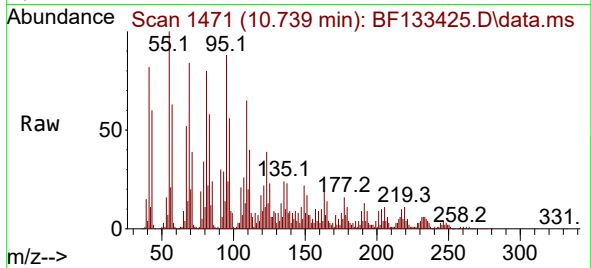




#67
4-Bromophenyl-phenylether
Concen: 4.981 ng
RT: 10.739 min Scan# 1485
Delta R.T. -0.053 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

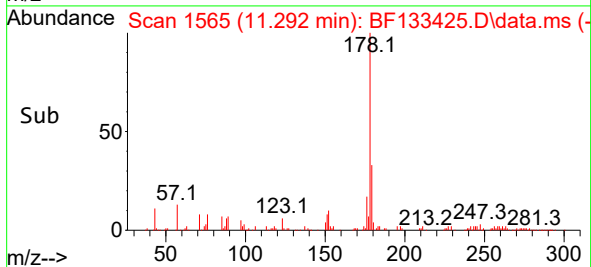
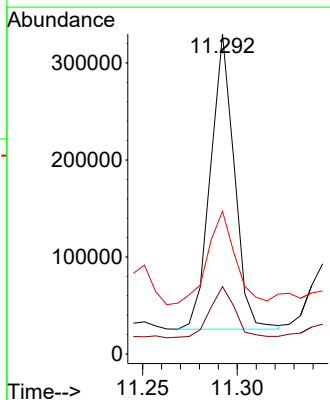
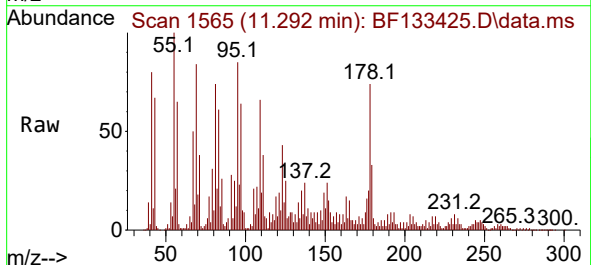
Instrument :
BNA_F
ClientSampleId :
72-11995

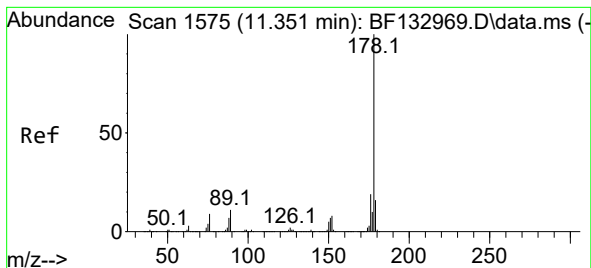
Tgt Ion:248 Resp: 10919
Ion Ratio Lower Upper
248 100
250 71.3 78.7 118.1#
141 258.0 56.3 84.5#



#71
Phenanthrene
Concen: 24.614 ng
RT: 11.292 min Scan# 1565
Delta R.T. 0.024 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

Tgt Ion:178 Resp: 267397
Ion Ratio Lower Upper
178 100
176 21.0 15.9 23.9
179 44.6 12.5 18.7#





#72

Anthracene

Concen: 5.354 ng

RT: 11.345 min Scan# 1

Delta R.T. 0.023 min

Lab File: BF133425.D

Acq: 17 May 2023 21:25

Instrument :

BNA_F

ClientSampleId :

72-11995

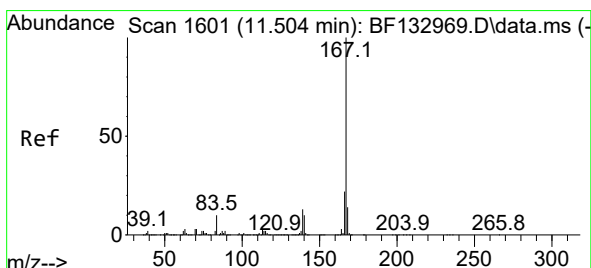
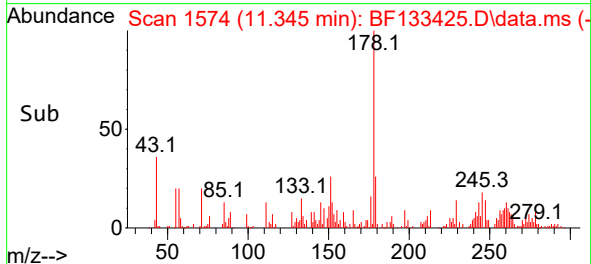
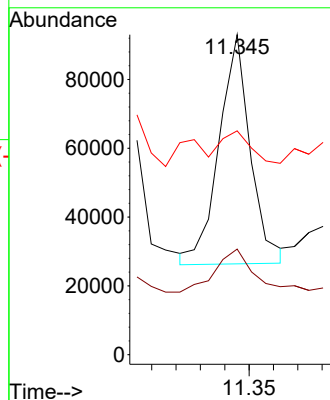
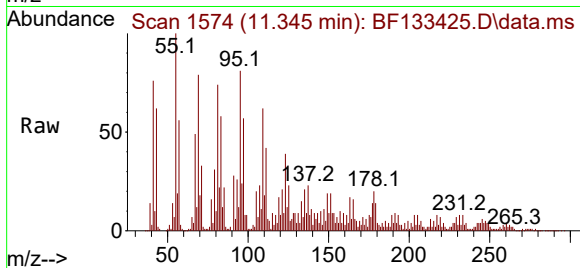
Tgt Ion:178 Resp: 59520

Ion Ratio Lower Upper

178 100

176 33.0 15.4 23.0#

179 70.0 12.4 18.6#



#73

Carbazole

Concen: 3.059 ng

RT: 11.498 min Scan# 1600

Delta R.T. 0.018 min

Lab File: BF133425.D

Acq: 17 May 2023 21:25

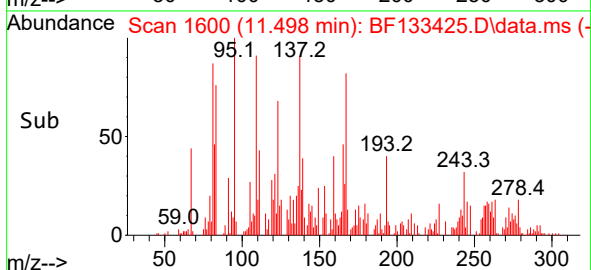
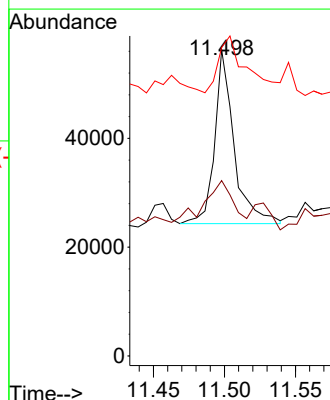
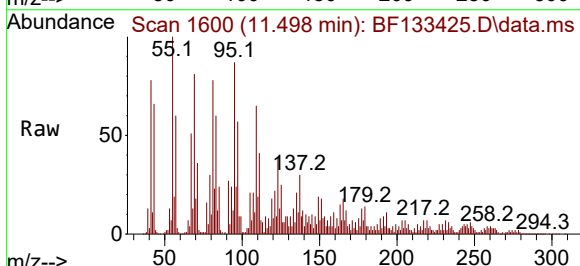
Tgt Ion:167 Resp: 30283

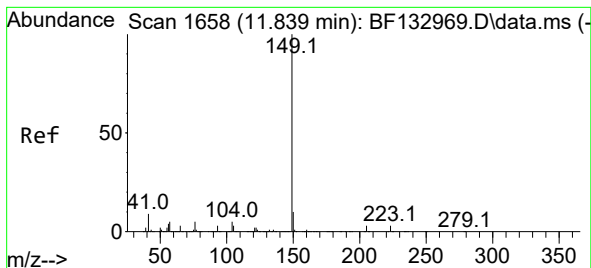
Ion Ratio Lower Upper

167 100

166 57.3 17.4 26.0#

139 100.8 10.6 16.0#





#74

Di-n-butylphthalate

Concen: 6.134 ng

RT: 11.827 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF133425.D

Acq: 17 May 2023 21:25

Instrument :

BNA_F

ClientSampleId :

72-11995

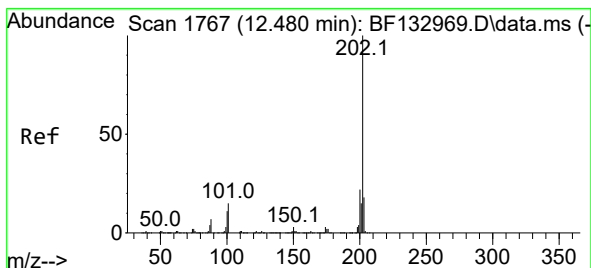
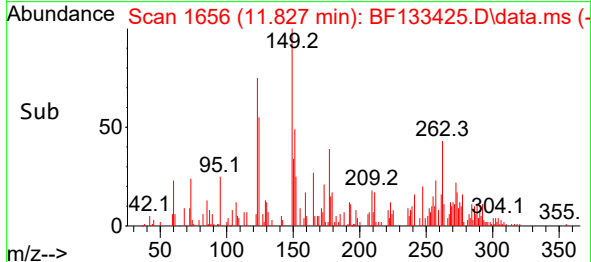
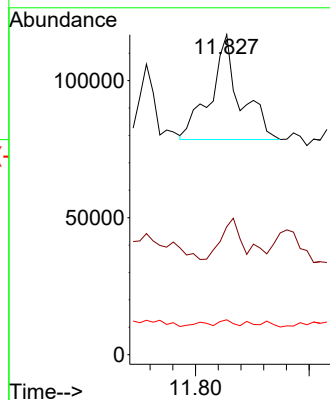
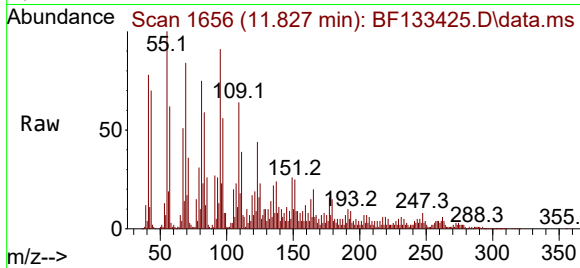
Tgt Ion:149 Resp: 68713

Ion Ratio Lower Upper

149 100

150 40.0 7.6 11.4#

104 10.9 4.0 6.0#



#75

Fluoranthene

Concen: 48.807 ng

RT: 12.498 min Scan# 1770

Delta R.T. 0.041 min

Lab File: BF133425.D

Acq: 17 May 2023 21:25

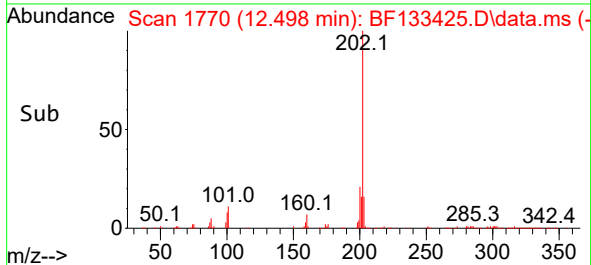
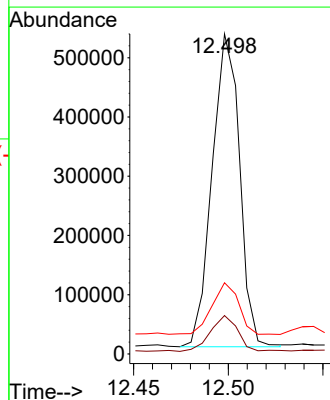
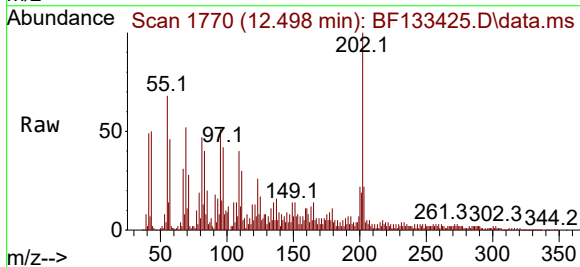
Tgt Ion:202 Resp: 532134

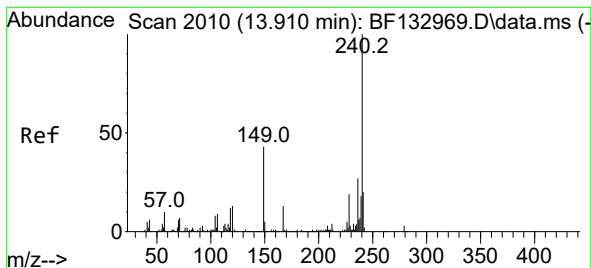
Ion Ratio Lower Upper

202 100

101 12.0 0.0 35.3

203 22.3 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.910 min Scan# 2010

Delta R.T. 0.023 min

Lab File: BF133425.D

Acq: 17 May 2023 21:25

Instrument :

BNA_F

ClientSampleId :

72-11995

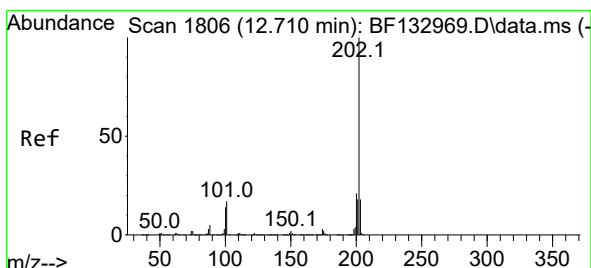
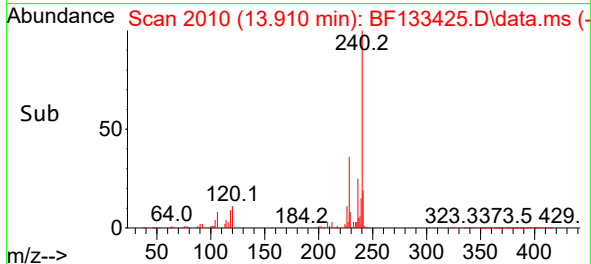
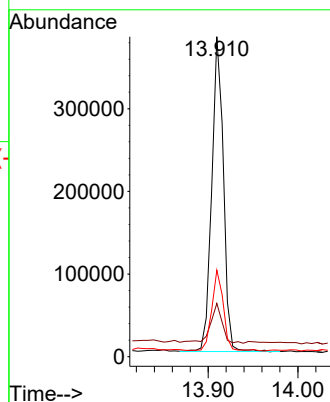
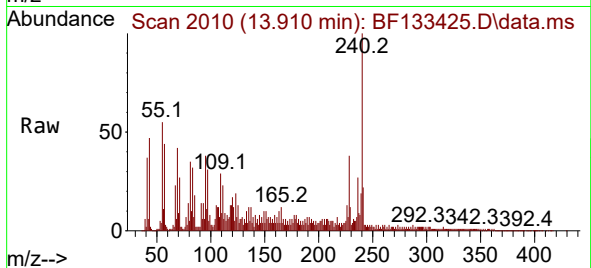
Tgt Ion:240 Resp: 343691

Ion Ratio Lower Upper

240 100

120 16.6 10.5 15.7#

236 27.1 21.5 32.3



#78

Pyrene

Concen: 16.121 ng

RT: 12.727 min Scan# 1809

Delta R.T. 0.041 min

Lab File: BF133425.D

Acq: 17 May 2023 21:25

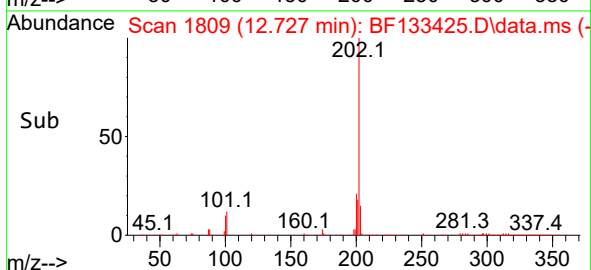
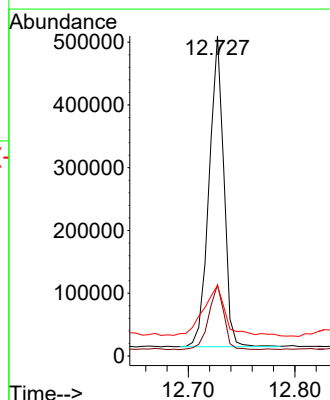
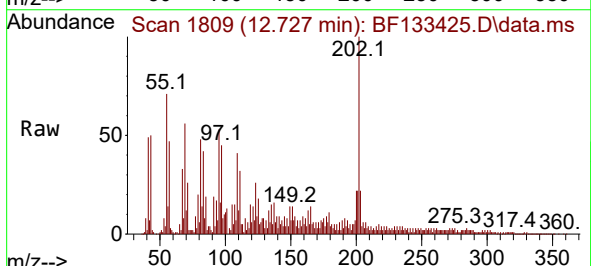
Tgt Ion:202 Resp: 474954

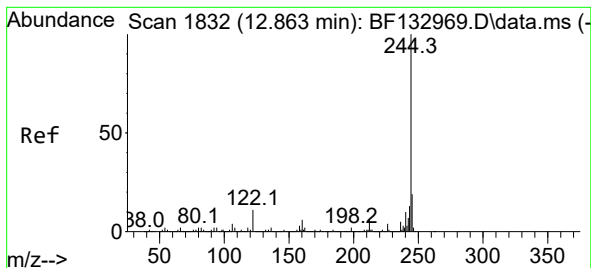
Ion Ratio Lower Upper

202 100

200 22.2 17.1 25.7

203 22.0 14.1 21.1#





#79

Terphenyl-d14

Concen: 36.648 ng

RT: 12.863 min Scan# 11

Delta R.T. 0.029 min

Lab File: BF133425.D

Acq: 17 May 2023 21:25

Instrument :

BNA_F

ClientSampleId :

72-11995

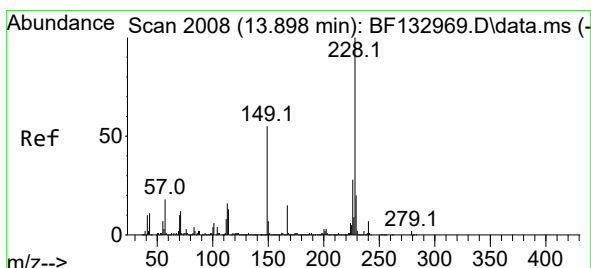
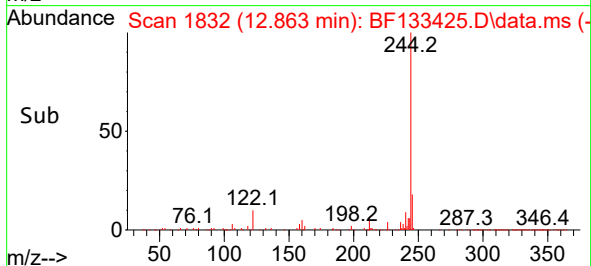
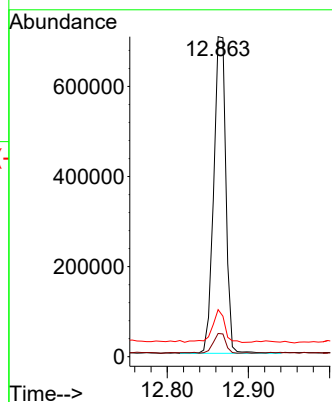
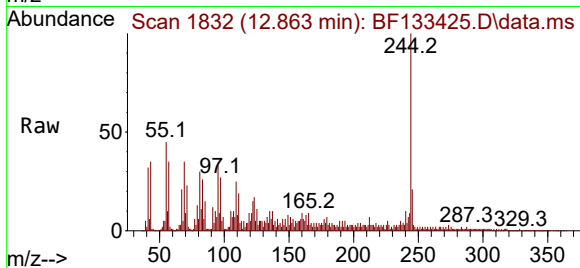
Tgt Ion:244 Resp: 730329

Ion Ratio Lower Upper

244 100

212 7.2 5.1 7.7

122 14.7 8.6 13.0#



#81

Benzo(a)anthracene

Concen: 17.676 ng

RT: 13.898 min Scan# 2008

Delta R.T. 0.023 min

Lab File: BF133425.D

Acq: 17 May 2023 21:25

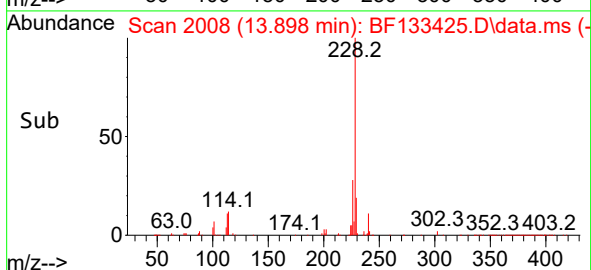
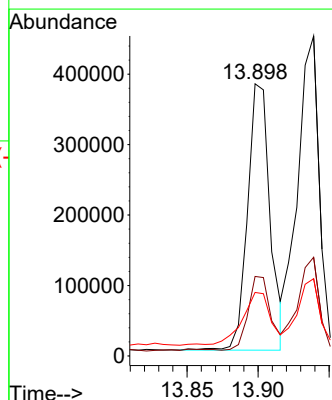
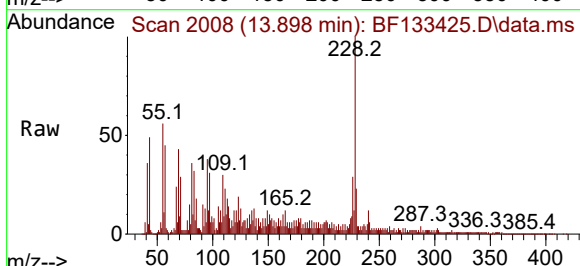
Tgt Ion:228 Resp: 417762

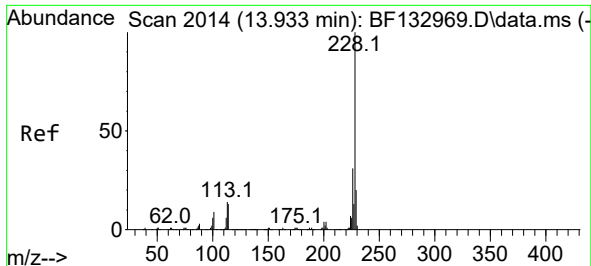
Ion Ratio Lower Upper

228 100

226 29.2 22.2 33.4

229 23.3 16.0 24.0

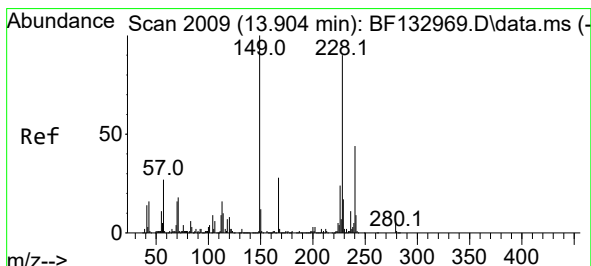
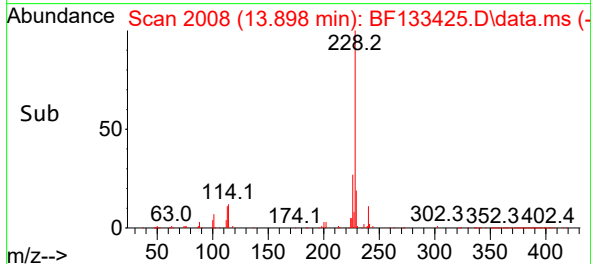
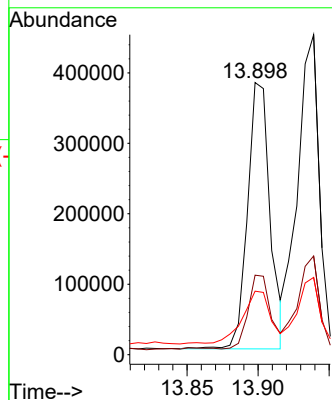
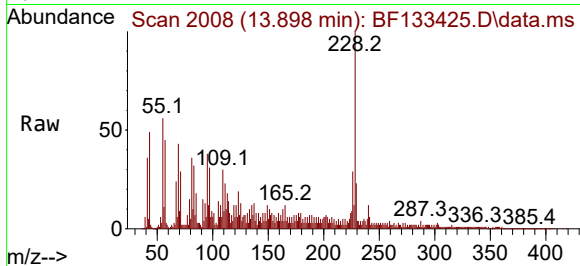




#83
Chrysene
Concen: 17.680 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

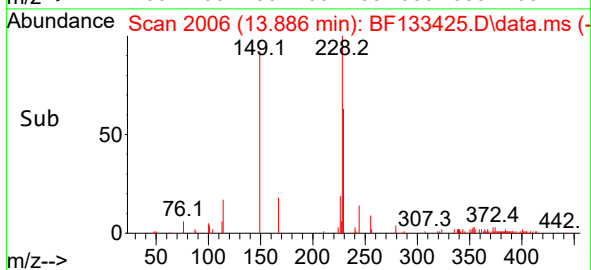
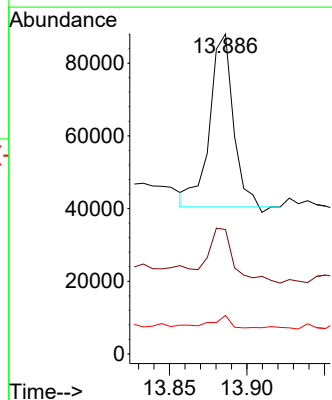
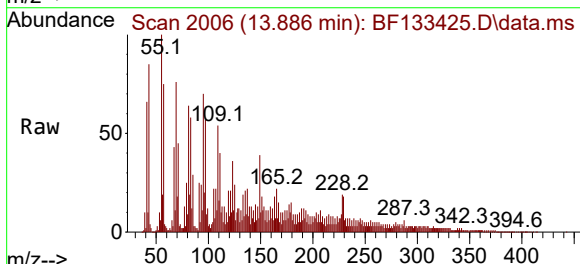
Instrument :
BNA_F
ClientSampleId :
72-11995

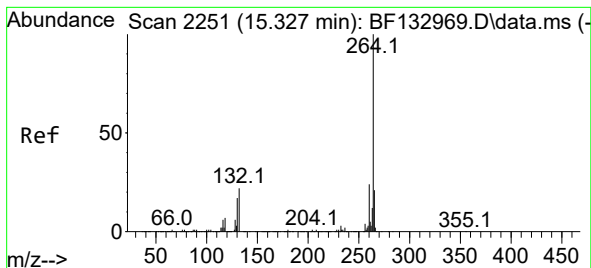
Tgt Ion:228 Resp: 417762
Ion Ratio Lower Upper
228 100
226 29.2 24.7 37.1
229 23.3 16.1 24.1



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.857 ng
RT: 13.886 min Scan# 2006
Delta R.T. 0.024 min
Lab File: BF133425.D
Acq: 17 May 2023 21:25

Tgt Ion:149 Resp: 50508
Ion Ratio Lower Upper
149 100
167 38.9 22.5 33.7#
279 12.0 4.2 6.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.315 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133425.D

Acq: 17 May 2023 21:25

Instrument :

BNA_F

ClientSampleId :

72-11995

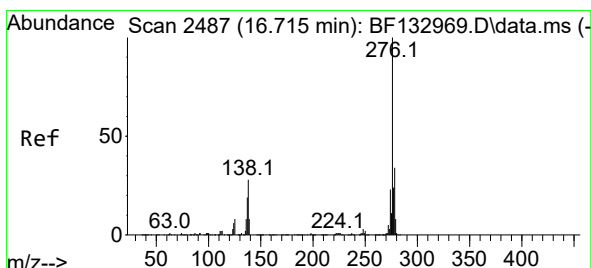
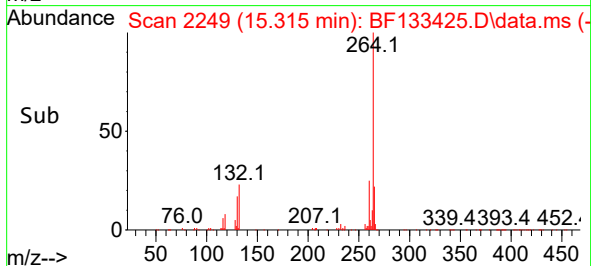
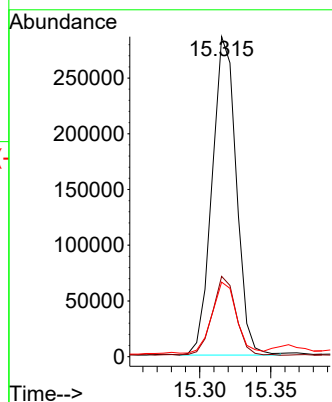
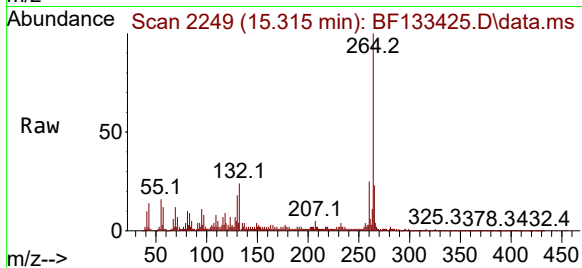
Tgt Ion:264 Resp: 338625

Ion Ratio Lower Upper

264 100

260 25.1 18.8 28.2

265 23.3 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 11.056 ng

RT: 16.692 min Scan# 2483

Delta R.T. -0.006 min

Lab File: BF133425.D

Acq: 17 May 2023 21:25

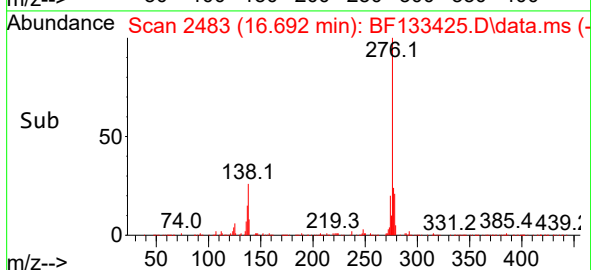
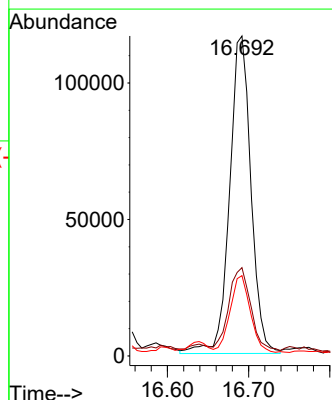
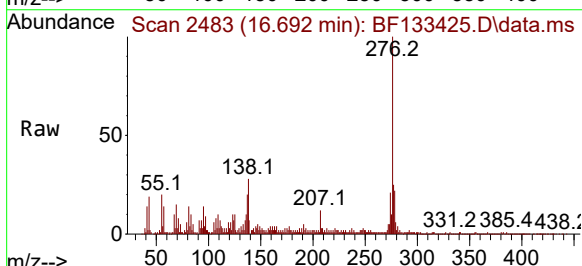
Tgt Ion:276 Resp: 212963

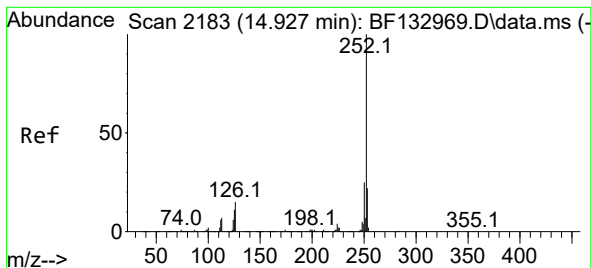
Ion Ratio Lower Upper

276 100

138 26.5 25.5 38.3

277 22.8 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 36.460 ng

RT: 14.915 min Scan# 2181

Delta R.T. 0.018 min

Lab File: BF133425.D

Acq: 17 May 2023 21:25

Instrument :

BNA_F

ClientSampleId :

72-11995

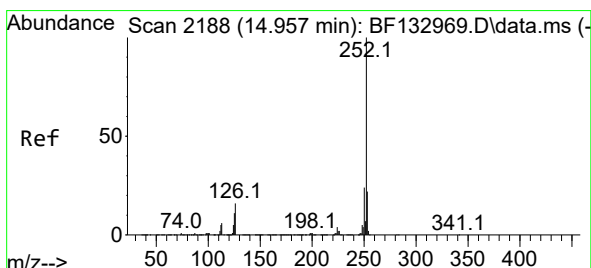
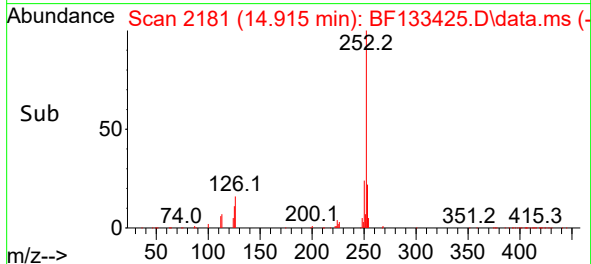
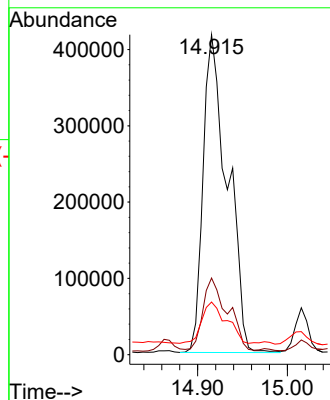
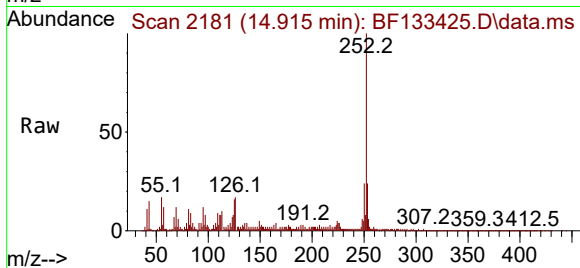
Tgt Ion:252 Resp: 785448

Ion Ratio Lower Upper

252 100

253 24.0 17.6 26.4

125 16.4 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 36.780 ng

RT: 14.915 min Scan# 2181

Delta R.T. -0.012 min

Lab File: BF133425.D

Acq: 17 May 2023 21:25

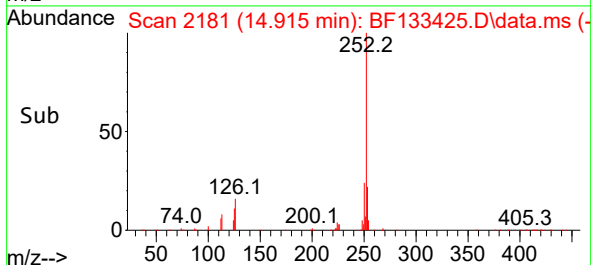
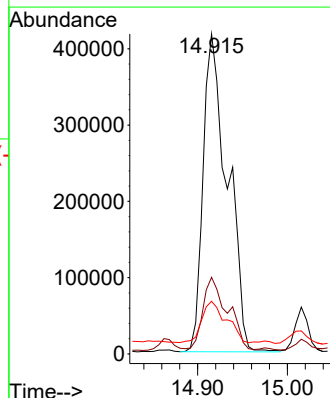
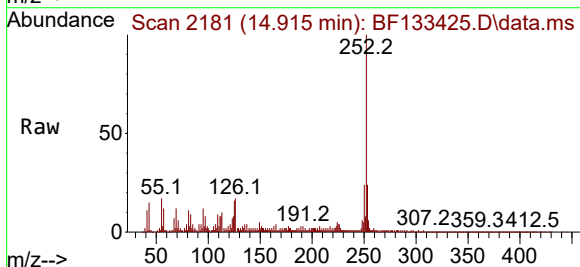
Tgt Ion:252 Resp: 785448

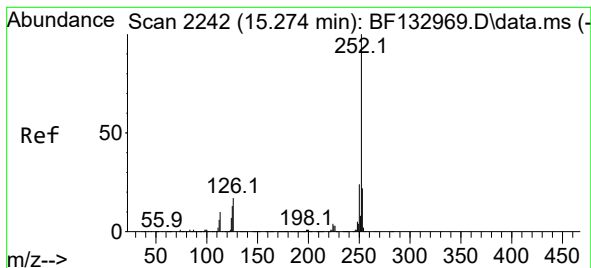
Ion Ratio Lower Upper

252 100

253 24.0 17.7 26.5

125 16.4 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 18.140 ng

RT: 15.257 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF133425.D

Acq: 17 May 2023 21:25

Instrument :

BNA_F

ClientSampleId :

72-11995

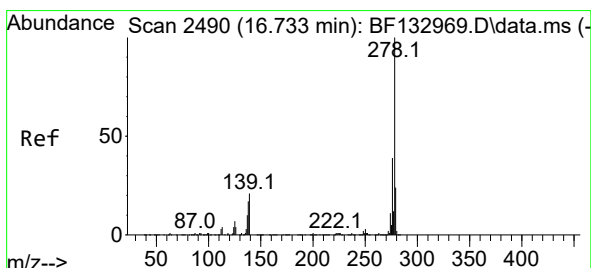
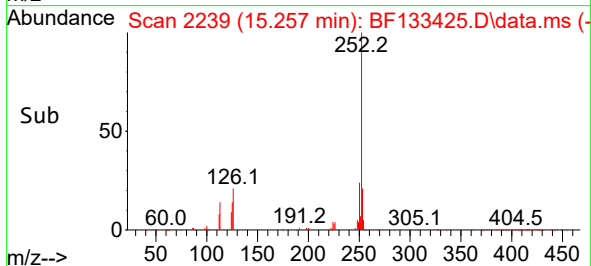
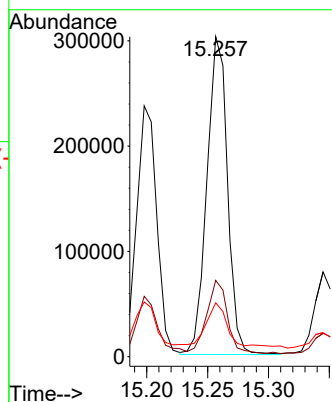
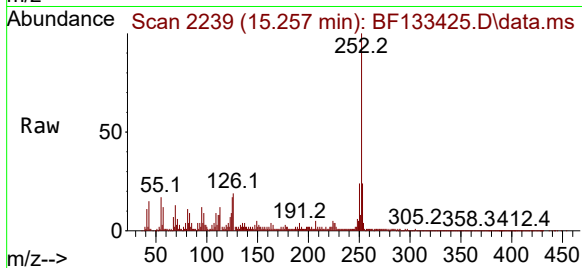
Tgt Ion:252 Resp: 355704

Ion Ratio Lower Upper

252 100

253 23.8 17.7 26.5

125 16.8 10.5 15.7#



#91

Dibenzo(a,h)anthracene

Concen: 3.335 ng

RT: 16.692 min Scan# 2483

Delta R.T. -0.012 min

Lab File: BF133425.D

Acq: 17 May 2023 21:25

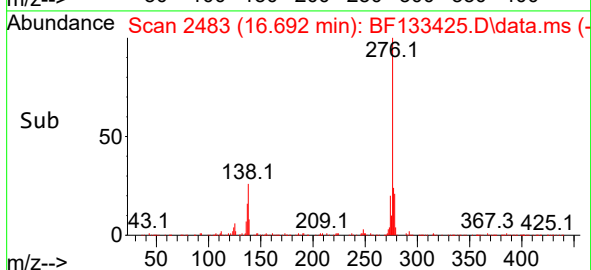
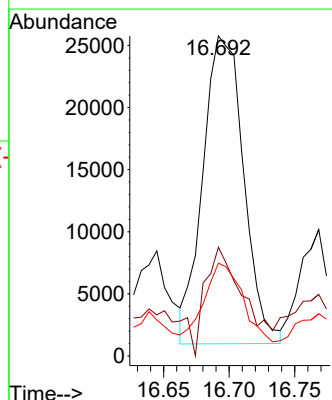
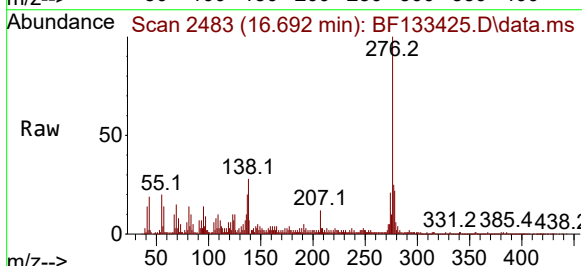
Tgt Ion:278 Resp: 53581

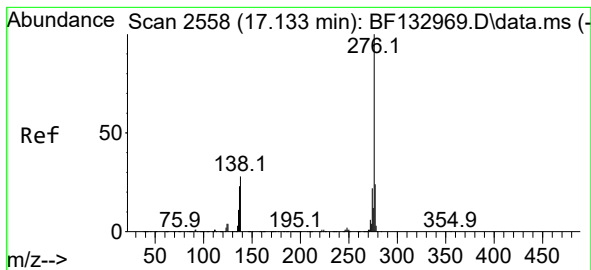
Ion Ratio Lower Upper

278 100

139 34.0 16.6 24.8#

279 29.0 18.8 28.2#





#92

Benzo(g,h,i)perylene

Concen: 12.703 ng

RT: 17.104 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133425.D

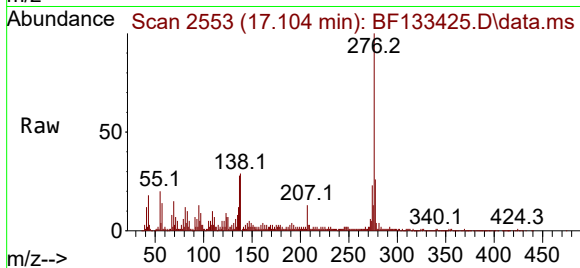
Acq: 17 May 2023 21:25

Instrument :

BNA_F

ClientSampleId :

72-11995



Tgt Ion:276 Resp: 201480

Ion Ratio Lower Upper

276 100

277 25.5 19.4 29.0

138 29.4 22.7 34.1

