

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103123\
 Data File : BF136057.D
 Acq On : 31 Oct 2023 18:05
 Operator : CG\JU
 Sample : 04817-01DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11930DL

Quant Time: Nov 01 00:35:20 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

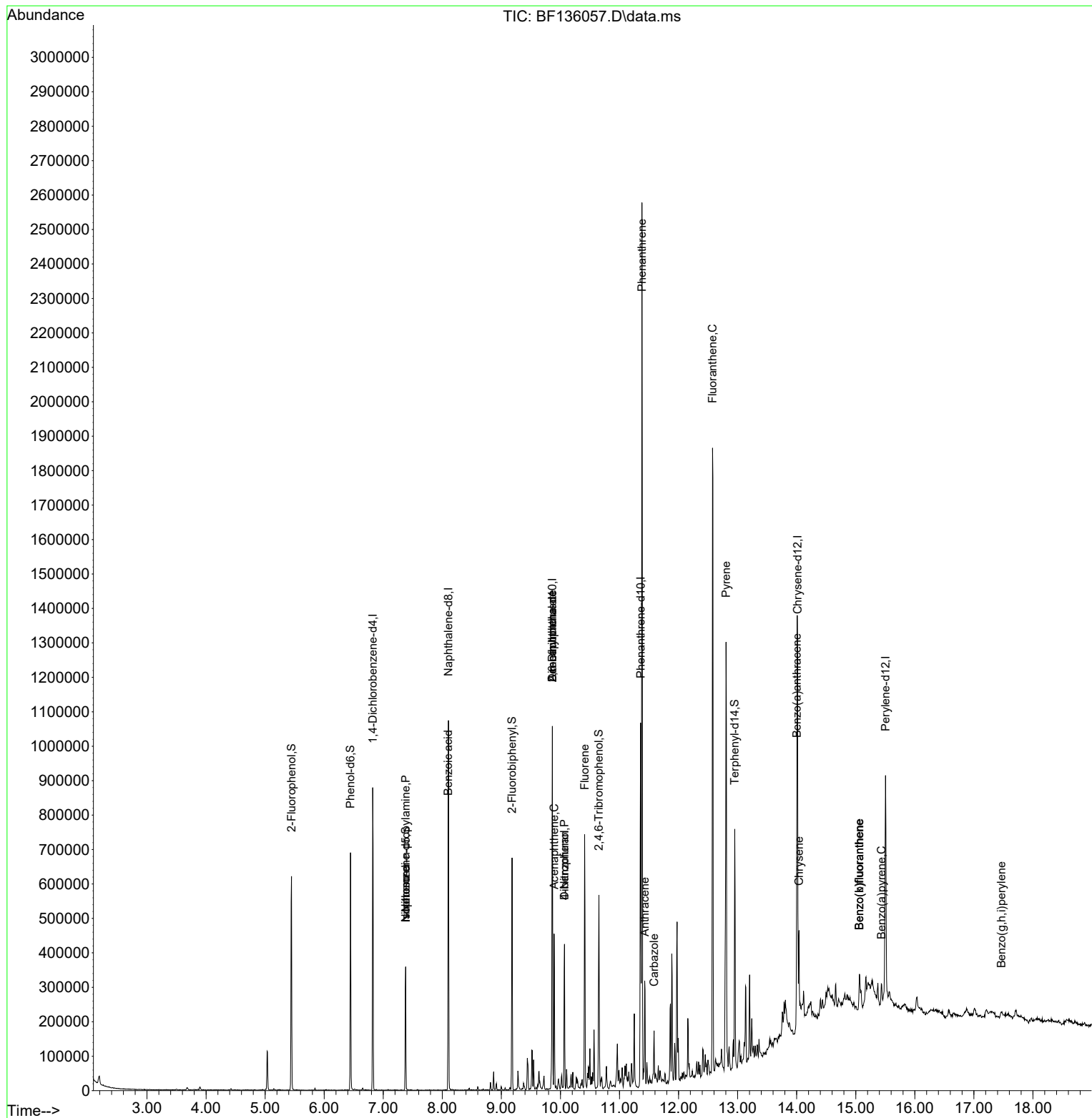
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	124075	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	421138	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	191605	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	371016	20.000	ng	0.00
76) Chrysene-d12	14.016	240	361617	20.000	ng	0.00
86) Perylene-d12	15.504	264	288195	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	167732	21.243	ng	0.00
7) Phenol-d6	6.445	99	188179	19.128	ng	-0.01
23) Nitrobenzene-d5	7.381	82	97025	13.888	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	42252	20.660	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	174101	14.485	ng	0.00
79) Terphenyl-d14	12.951	244	228127	9.804	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.381	70	12348	2.197	ng	# 80
25) Isophorone	7.381	82	97022	7.356	ng	# 64
32) Benzoic acid	8.098	122	54	5.124	ng	# 1
50) Dimethylphthalate	9.863	163	39605	3.134	ng	# 1
51) 2,6-Dinitrotoluene	9.863	165	28274	10.460	ng	# 29
52) Acenaphthene	9.892	154	86381	8.089	ng	99
55) Dibenzofuran	10.069	168	137975	8.861	ng	98
56) 4-Nitrophenol	10.069	139	51983	22.033	ng	# 16
58) Fluorene	10.410	166	181868	15.600	ng	99
71) Phenanthrene	11.380	178	911851	48.812	ng	99
72) Anthracene	11.427	178	120145	6.276	ng	99
73) Carbazole	11.586	167	53080	3.191	ng	99
75) Fluoranthene	12.574	202	746607	38.904	ng	99
78) Pyrene	12.804	202	514760	16.146	ng	99
81) Benzo(a)anthracene	14.004	228	123044	5.140	ng	94
83) Chrysene	14.039	228	104739	4.442	ng	98
88) Benzo(b)fluoranthene	15.063	252	76229	4.470	ng	# 96
89) Benzo(k)fluoranthene	15.063	252	76229	4.518	ng	# 97
90) Benzo(a)pyrene	15.433	252	31723	2.002	ng	# 90
92) Benzo(g,h,i)perylene	17.468	276	12032	3.539	ng	# 91

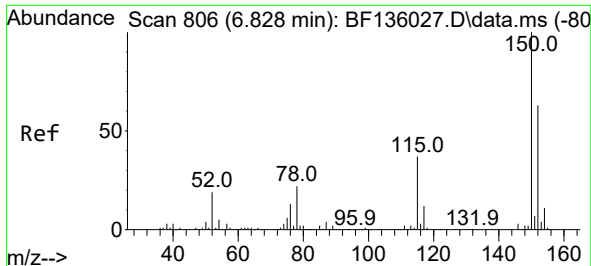
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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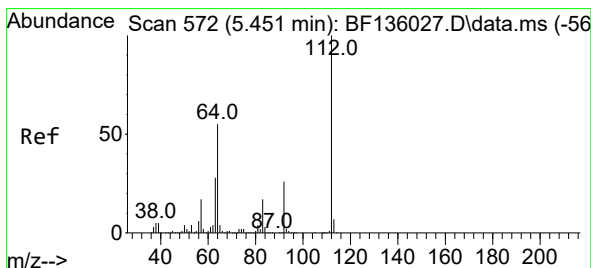
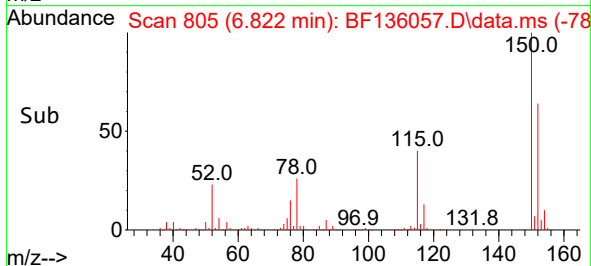
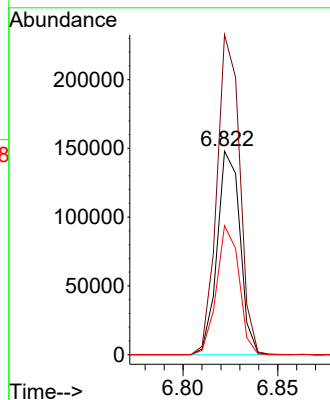
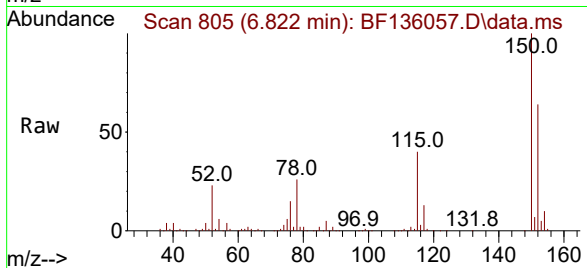




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF136057.D
Acq: 31 Oct 2023 18:05

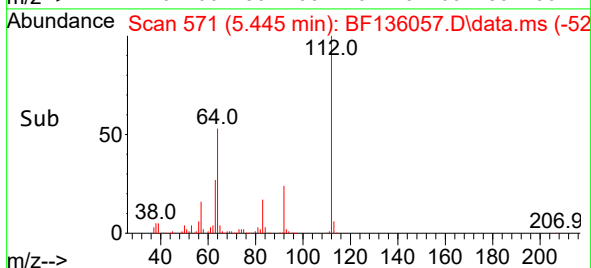
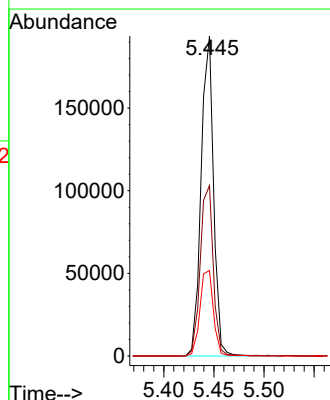
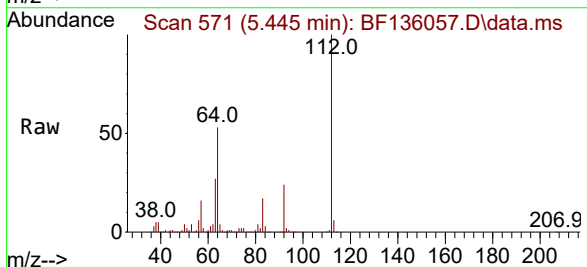
Instrument :
BNA_F
ClientSampleId :
72-11930DL

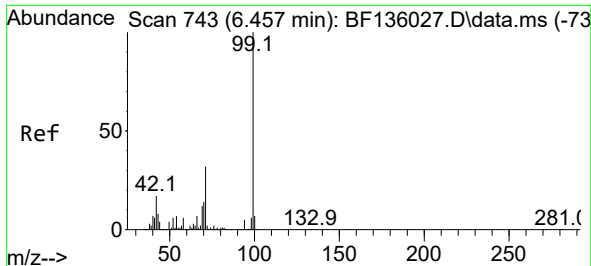
Tgt Ion:152 Resp: 124075
Ion Ratio Lower Upper
152 100
150 157.2 126.4 189.6
115 63.4 47.0 70.4



#5
2-Fluorophenol
Concen: 21.243 ng
RT: 5.445 min Scan# 571
Delta R.T. -0.006 min
Lab File: BF136057.D
Acq: 31 Oct 2023 18:05

Tgt Ion:112 Resp: 167732
Ion Ratio Lower Upper
112 100
64 53.2 43.9 65.9
63 26.7 22.4 33.6

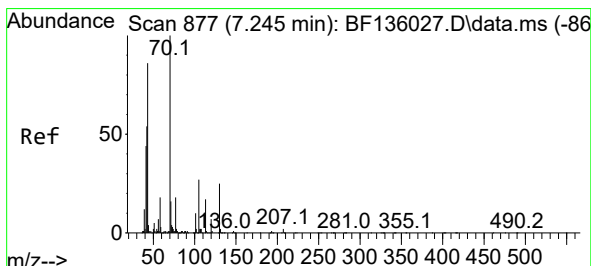
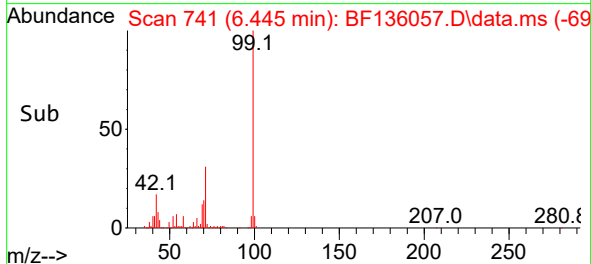
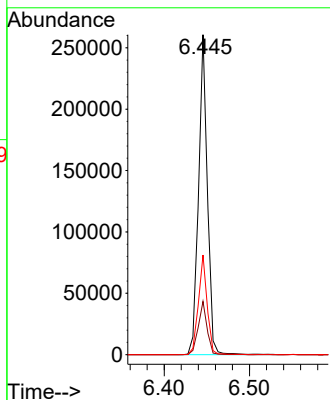
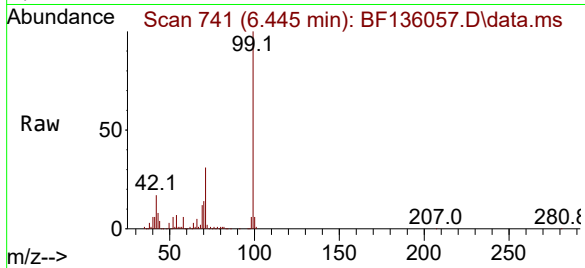




#7
Phenol-d6
Concen: 19.128 ng
RT: 6.445 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF136057.D
Acq: 31 Oct 2023 18:05

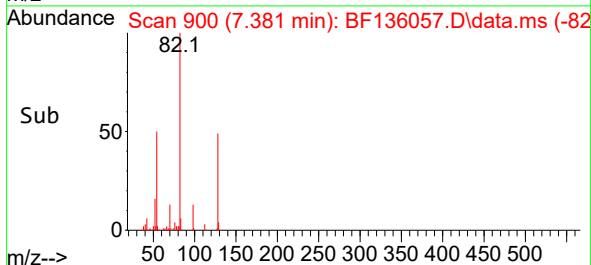
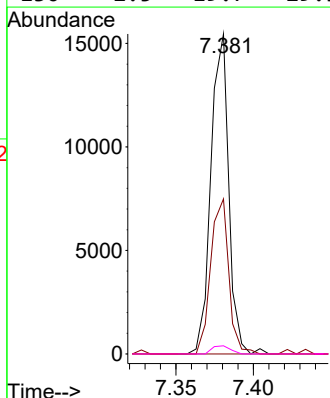
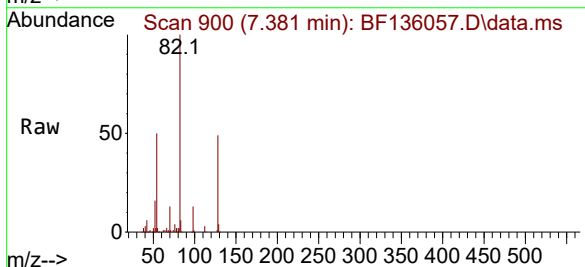
Instrument :
BNA_F
ClientSampleId :
72-11930DL

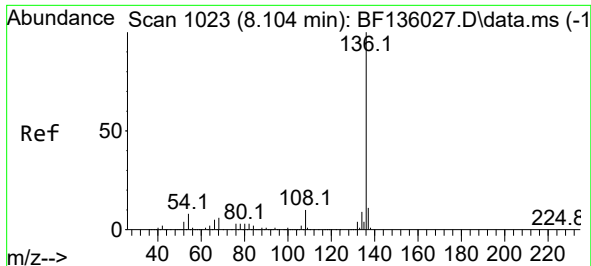
Tgt Ion: 99 Resp: 188179
Ion Ratio Lower Upper
99 100
42 16.6 13.7 20.5
71 31.2 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 2.197 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.135 min
Lab File: BF136057.D
Acq: 31 Oct 2023 18:05

Tgt Ion: 70 Resp: 12348
Ion Ratio Lower Upper
70 100
42 48.4 43.0 64.4
101 0.0 8.0 12.0#
130 2.5 19.7 29.5#

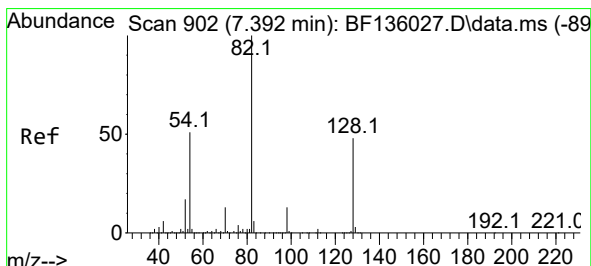
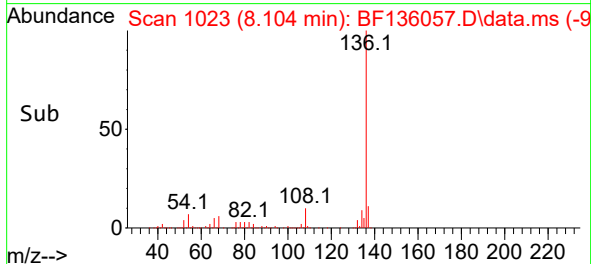
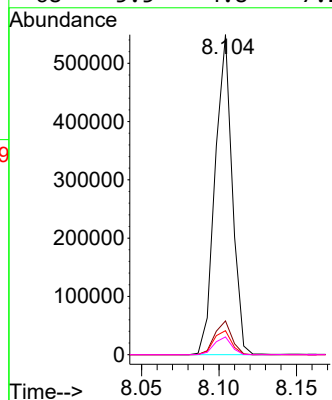
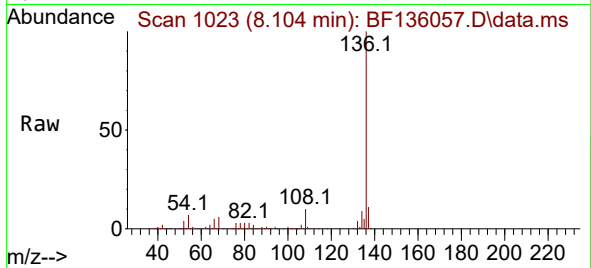




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF136057.D
Acq: 31 Oct 2023 18:05

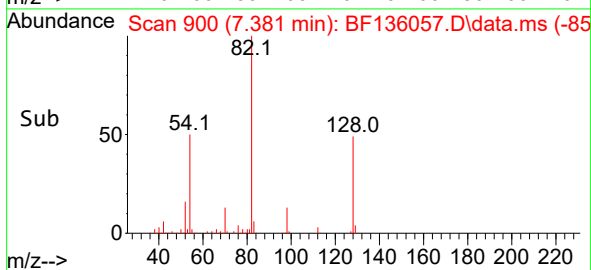
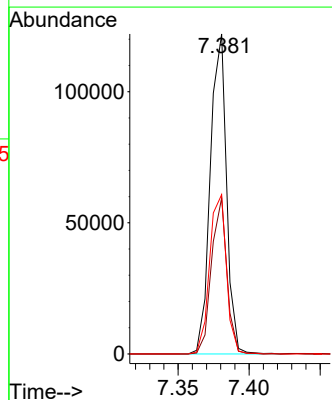
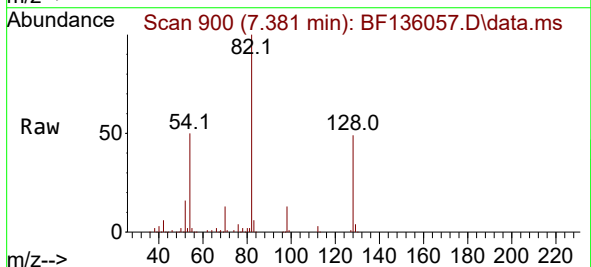
Instrument :
BNA_F
ClientSampleId :
72-11930DL

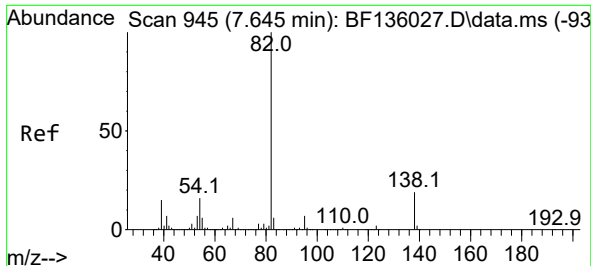
Tgt Ion:	136	Resp:	421138
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	7.5	6.6	9.8
68	5.5	4.8	7.2



#23
Nitrobenzene-d5
Concen: 13.888 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF136057.D
Acq: 31 Oct 2023 18:05

Tgt Ion:	82	Resp:	97025
Ion	Ratio	Lower	Upper
82	100		
128	48.8	38.6	57.8
54	49.8	40.8	61.2

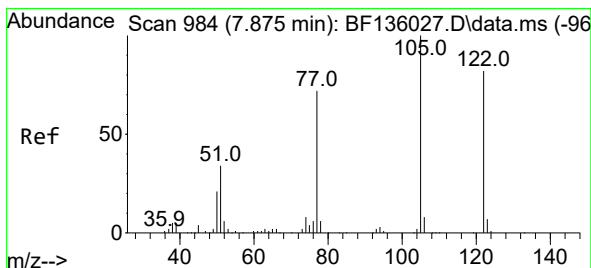
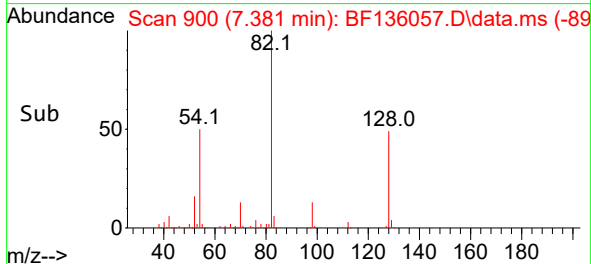
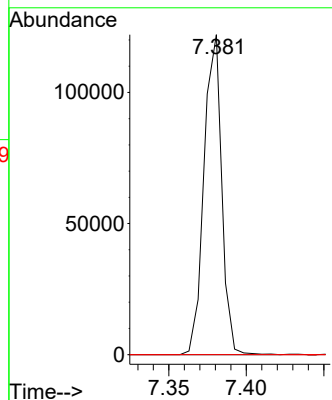
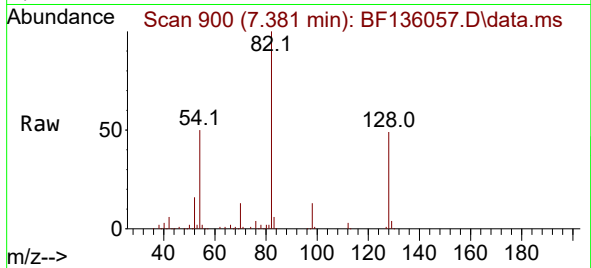




#25
Isophorone
Concen: 7.356 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF136057.D
Acq: 31 Oct 2023 18:05

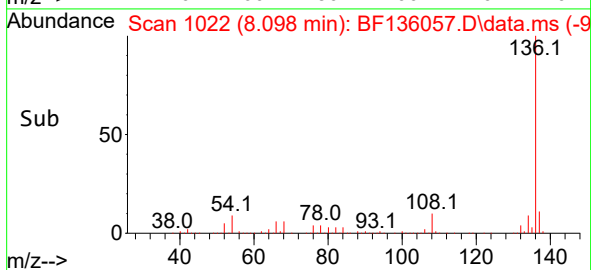
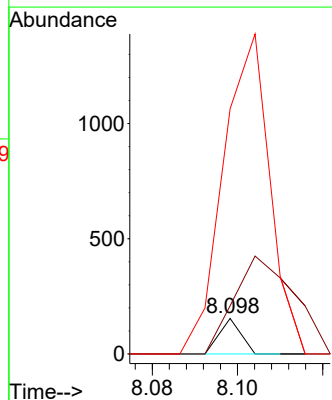
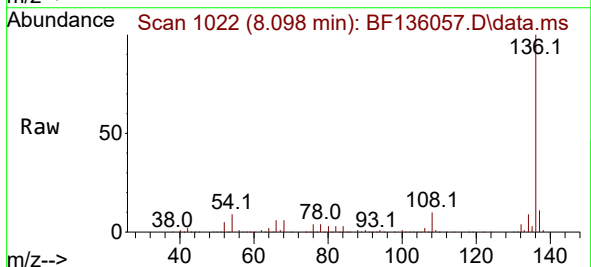
Instrument :
BNA_F
ClientSampleId :
72-11930DL

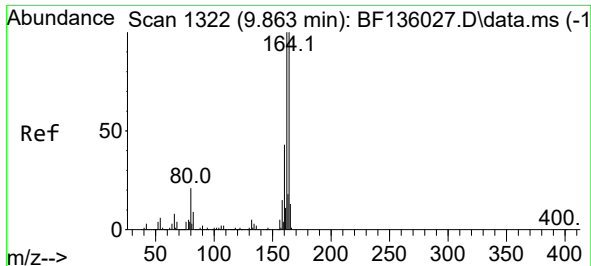
Tgt Ion: 82 Resp: 97022
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#32
Benzoic acid
Concen: 5.124 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.223 min
Lab File: BF136057.D
Acq: 31 Oct 2023 18:05

Tgt Ion:122 Resp: 54
Ion Ratio Lower Upper
122 100
105 135.7 99.5 139.5
77 690.9 66.8 106.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF136057.D

Acq: 31 Oct 2023 18:05

Instrument :

BNA_F

ClientSampleId :

72-11930DL

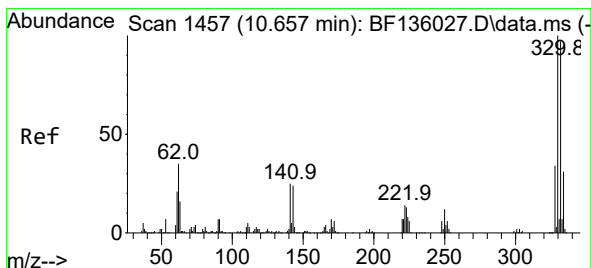
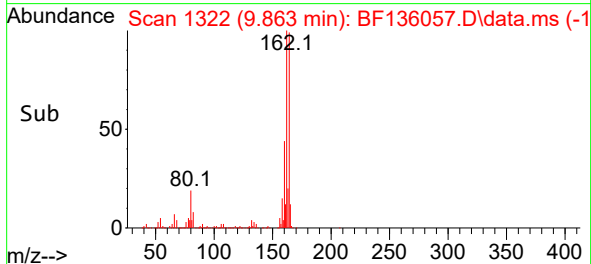
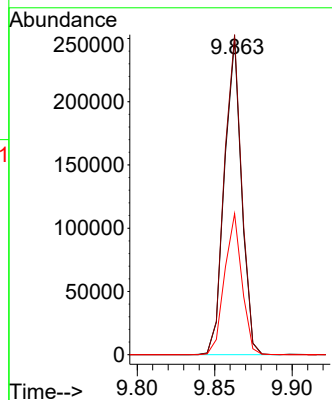
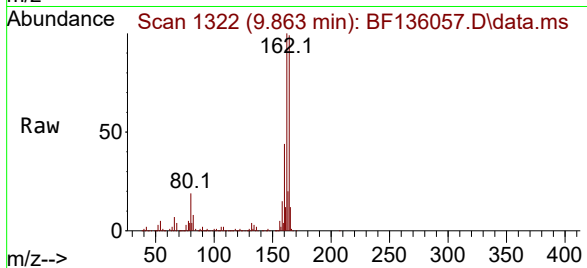
Tgt Ion:164 Resp: 191605

Ion Ratio Lower Upper

164 100

162 101.4 80.1 120.1

160 44.7 34.8 52.2



#42

2,4,6-Tribromophenol

Concen: 20.660 ng

RT: 10.651 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF136057.D

Acq: 31 Oct 2023 18:05

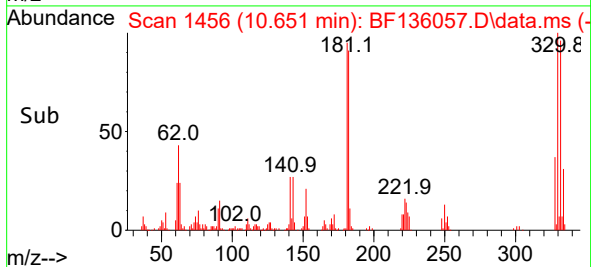
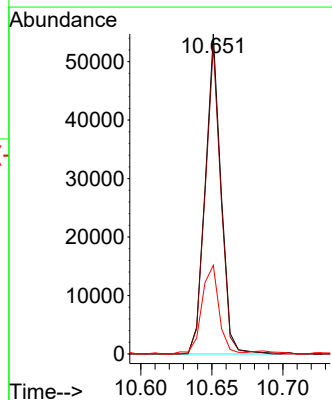
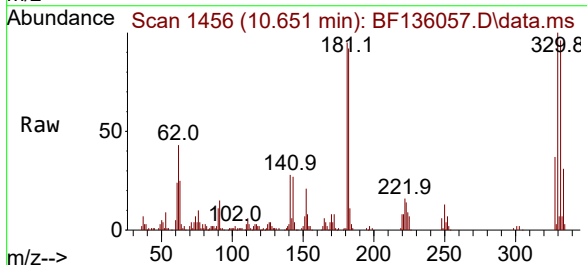
Tgt Ion:330 Resp: 42252

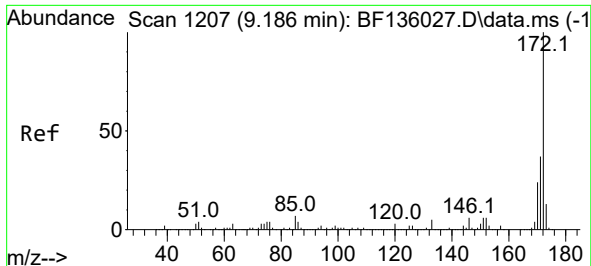
Ion Ratio Lower Upper

330 100

332 95.9 76.9 115.3

141 30.4 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 14.485 ng

RT: 9.181 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136057.D

Acq: 31 Oct 2023 18:05

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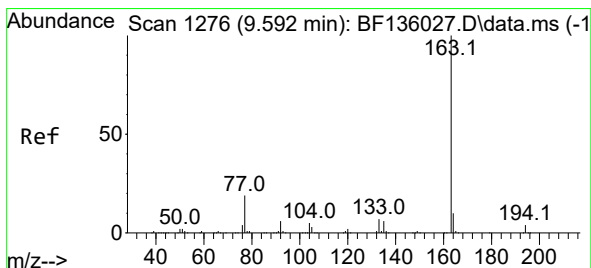
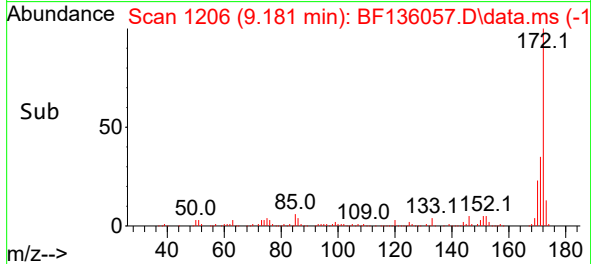
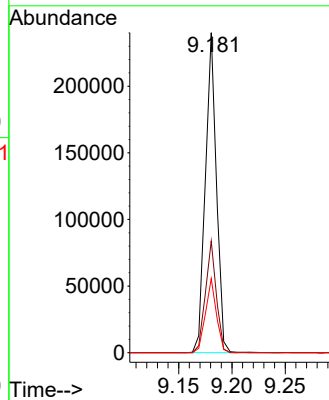
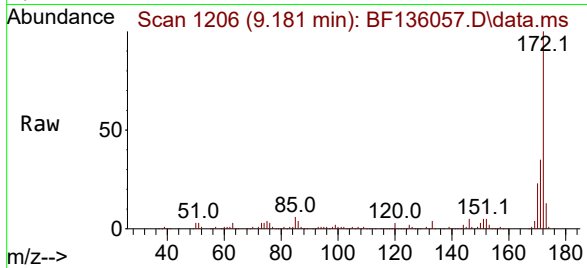
Tgt Ion:172 Resp: 174101

Ion Ratio Lower Upper

172 100

171 34.9 29.4 44.0

170 23.2 19.3 28.9



#50

Dimethylphthalate

Concen: 3.134 ng

RT: 9.863 min Scan# 1322

Delta R.T. 0.271 min

Lab File: BF136057.D

Acq: 31 Oct 2023 18:05

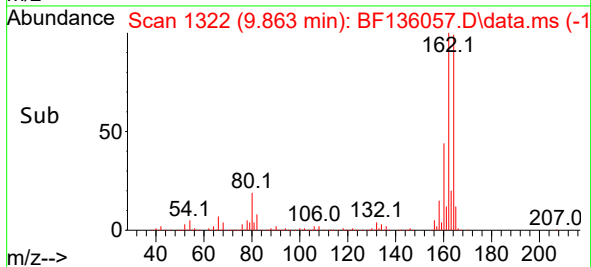
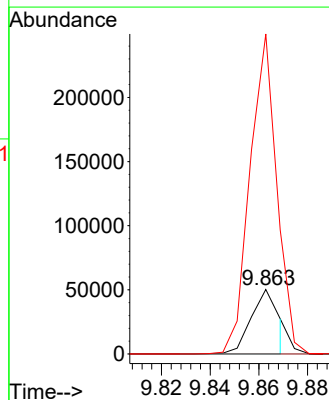
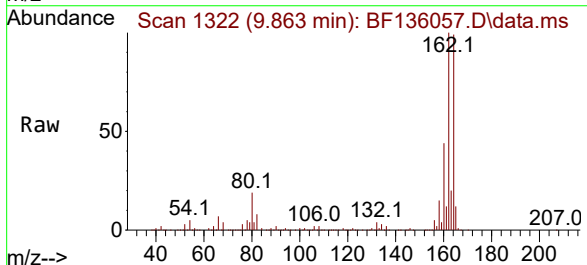
Tgt Ion:163 Resp: 39605

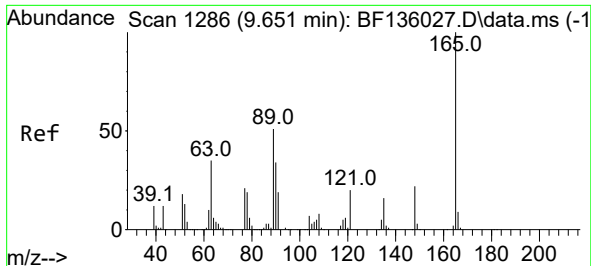
Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

164 496.2 8.1 12.1#





#51

2,6-Dinitrotoluene

Concen: 10.460 ng

RT: 9.863 min Scan# 11

Delta R.T. 0.212 min

Lab File: BF136057.D

Acq: 31 Oct 2023 18:05

Instrument :

BNA_F

ClientSampleId :

72-11930DL

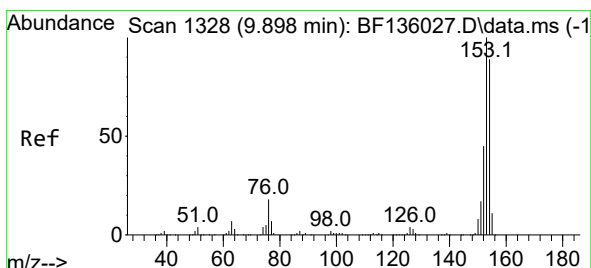
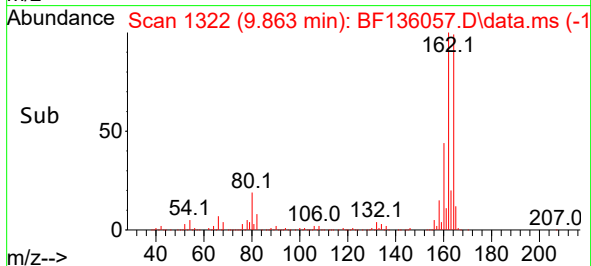
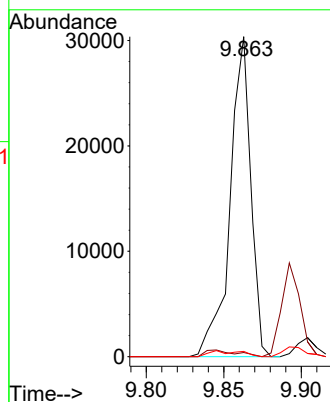
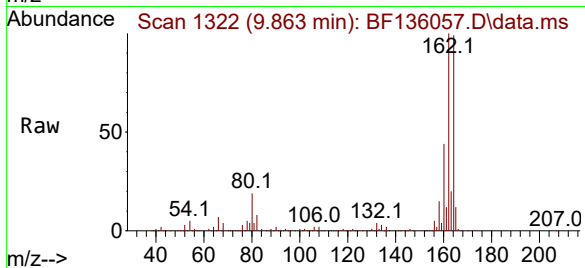
Tgt Ion:165 Resp: 28274

Ion Ratio Lower Upper

165 100

63 1.3 40.8 61.2#

89 1.7 41.1 61.7#



#52

Acenaphthene

Concen: 8.089 ng

RT: 9.892 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF136057.D

Acq: 31 Oct 2023 18:05

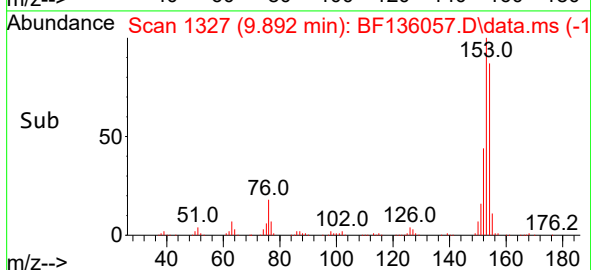
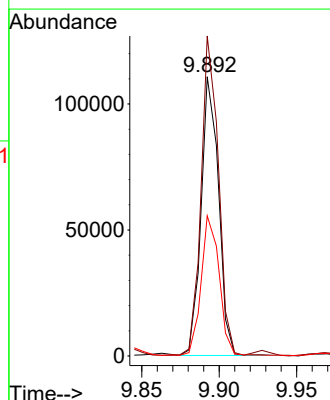
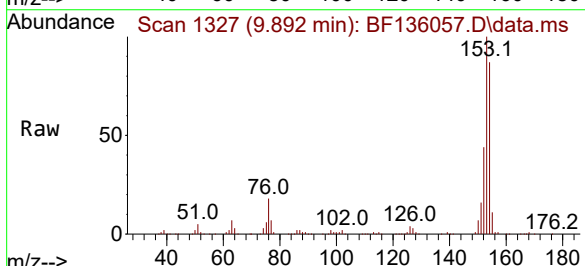
Tgt Ion:154 Resp: 86381

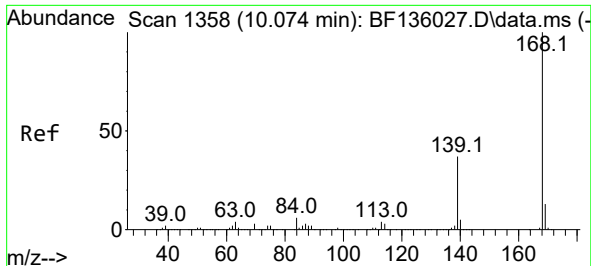
Ion Ratio Lower Upper

154 100

153 114.6 89.9 134.9

152 50.2 40.2 60.2

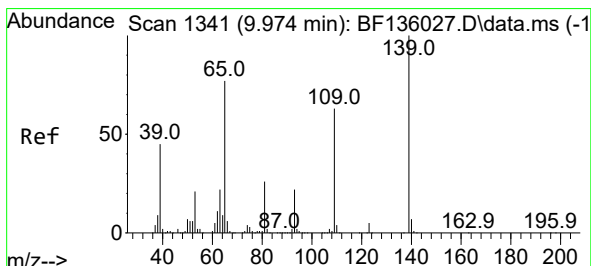
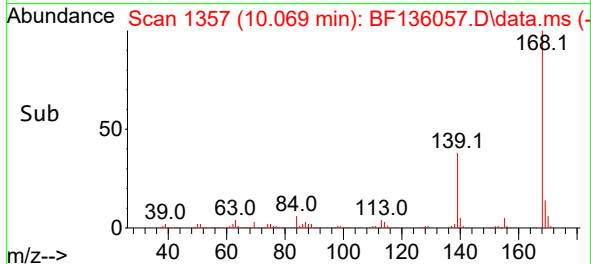
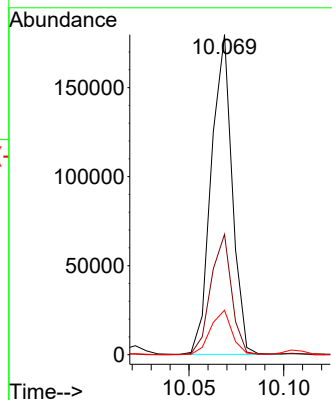
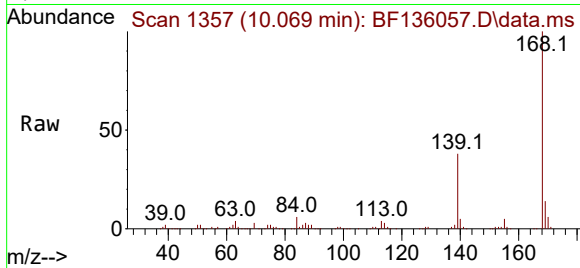




#55
Dibenzenofuran
Concen: 8.861 ng
RT: 10.069 min Scan# 1357
Delta R.T. -0.006 min
Lab File: BF136057.D
Acq: 31 Oct 2023 18:05

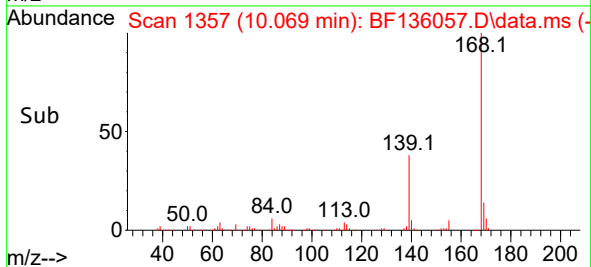
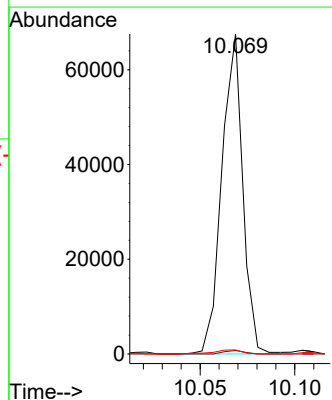
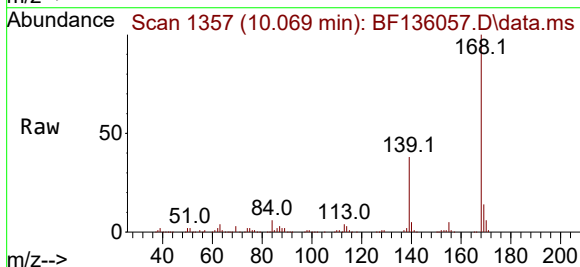
Instrument :
BNA_F
ClientSampleId :
72-11930DL

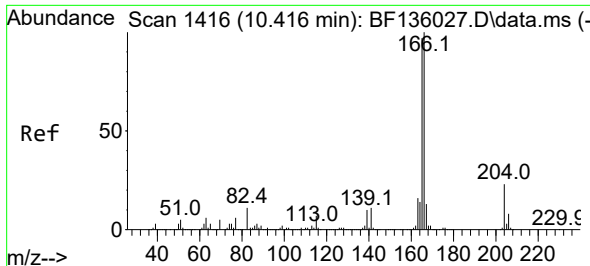
Tgt Ion:168 Resp: 137975
Ion Ratio Lower Upper
168 100
139 37.6 29.4 44.0
169 13.9 10.5 15.7



#56
4-Nitrophenol
Concen: 22.033 ng
RT: 10.069 min Scan# 1357
Delta R.T. 0.094 min
Lab File: BF136057.D
Acq: 31 Oct 2023 18:05

Tgt Ion:139 Resp: 51983
Ion Ratio Lower Upper
139 100
109 1.1 43.2 83.2#
65 1.3 57.6 97.6#

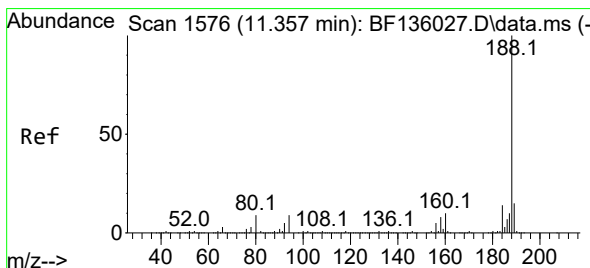
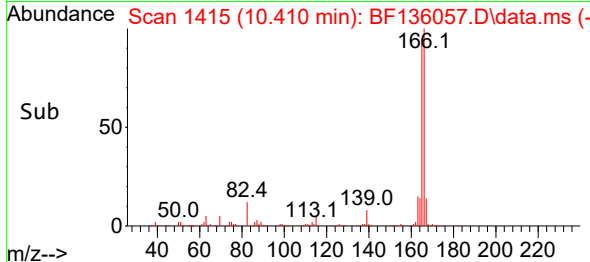
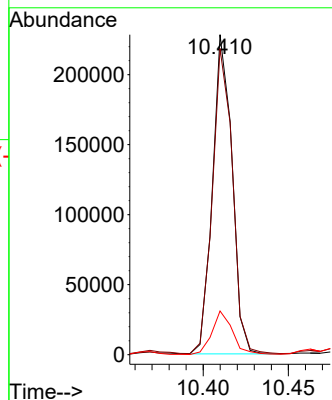
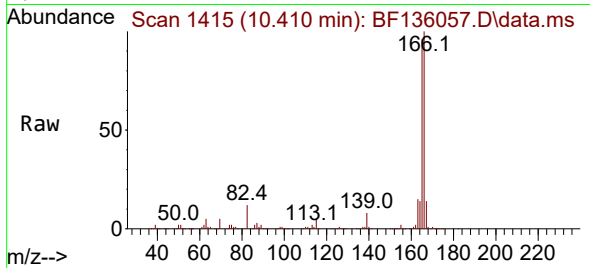




#58
Fluorene
Concen: 15.600 ng
RT: 10.410 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF136057.D
Acq: 31 Oct 2023 18:05

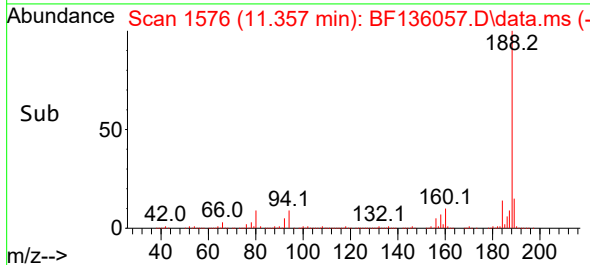
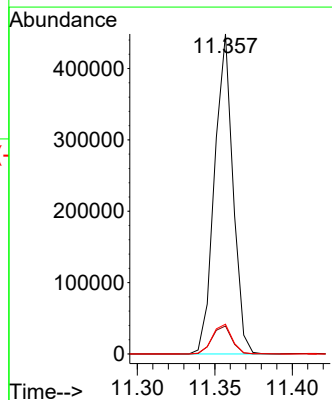
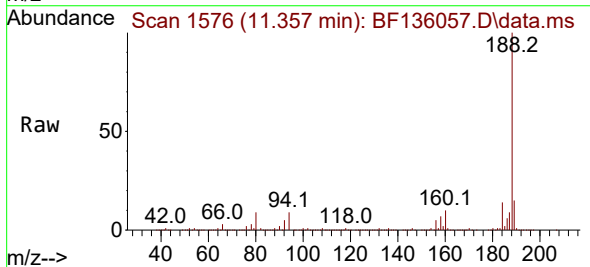
Instrument :
BNA_F
ClientSampleId :
72-11930DL

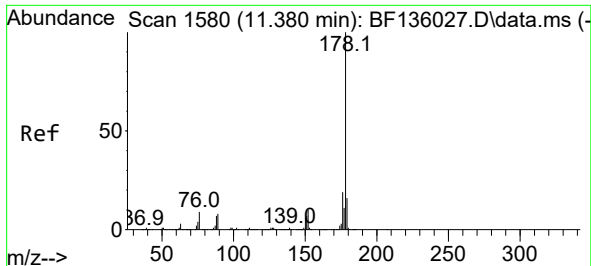
Tgt Ion:166 Resp: 181868
Ion Ratio Lower Upper
166 100
165 95.6 77.7 116.5
167 13.7 10.6 16.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1576
Delta R.T. -0.000 min
Lab File: BF136057.D
Acq: 31 Oct 2023 18:05

Tgt Ion:188 Resp: 371016
Ion Ratio Lower Upper
188 100
94 8.7 7.2 10.8
80 9.3 7.4 11.0

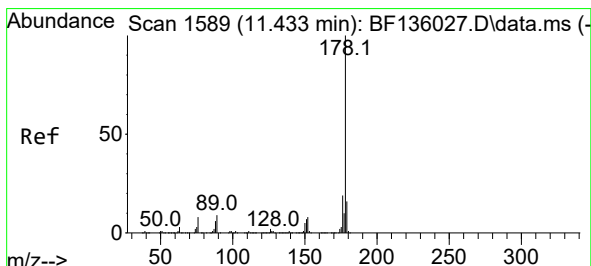
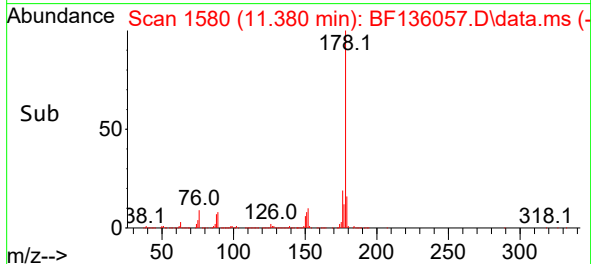
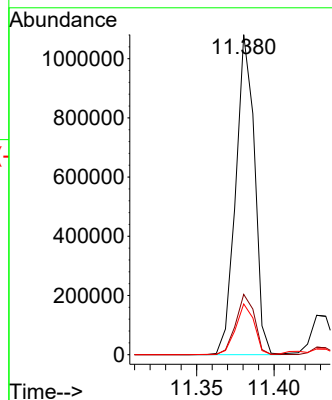
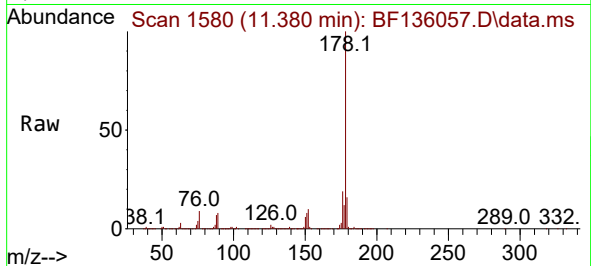




#71
Phenanthrene
Concen: 48.812 ng
RT: 11.380 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF136057.D
Acq: 31 Oct 2023 18:05

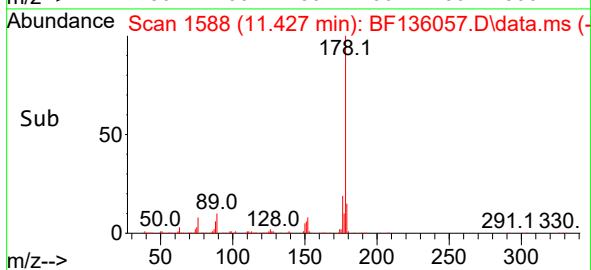
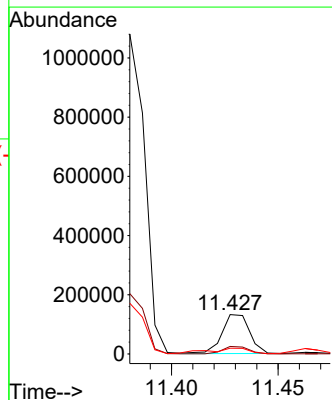
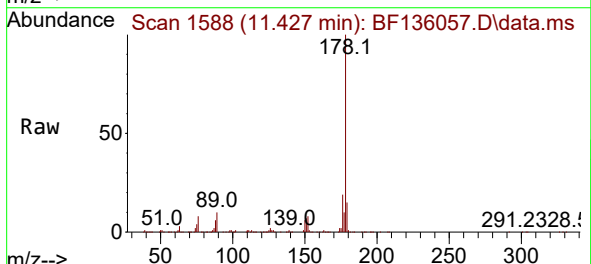
Instrument :
BNA_F
ClientSampleId :
72-11930DL

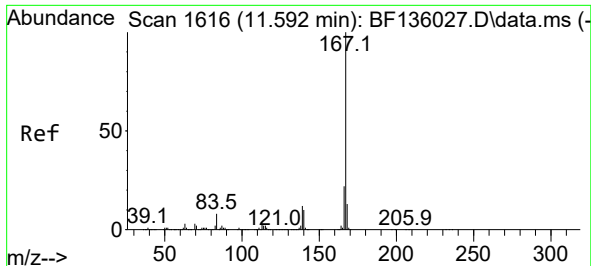
Tgt Ion:178 Resp: 911851
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 15.8 12.9 19.3



#72
Anthracene
Concen: 6.276 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF136057.D
Acq: 31 Oct 2023 18:05

Tgt Ion:178 Resp: 120145
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.4
179 14.8 12.6 18.8

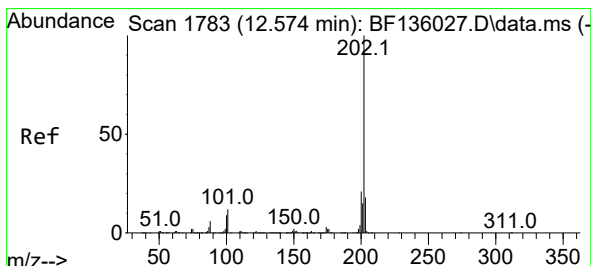
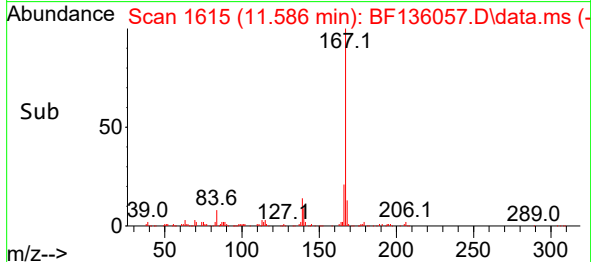
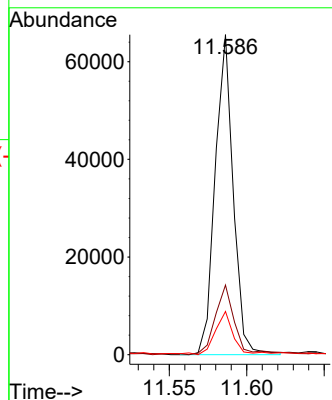
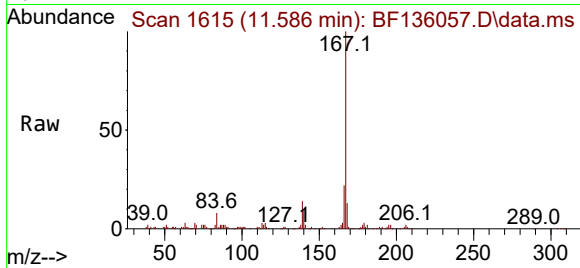




#73
 Carbazole
 Concen: 3.191 ng
 RT: 11.586 min Scan# 1615
 Delta R.T. -0.006 min
 Lab File: BF136057.D
 Acq: 31 Oct 2023 18:05

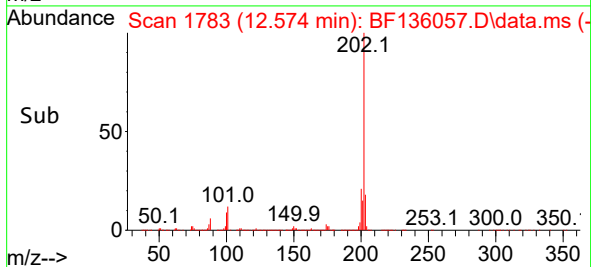
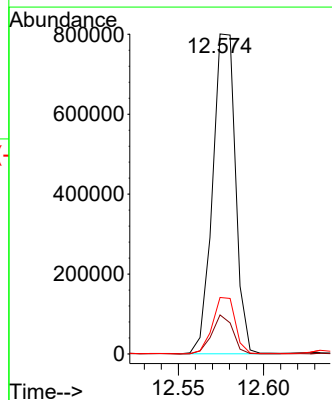
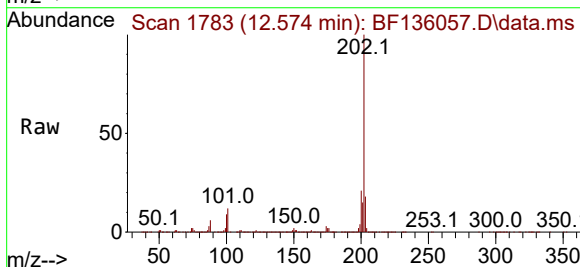
Instrument :
 BNA_F
 ClientSampleId :
 72-11930DL

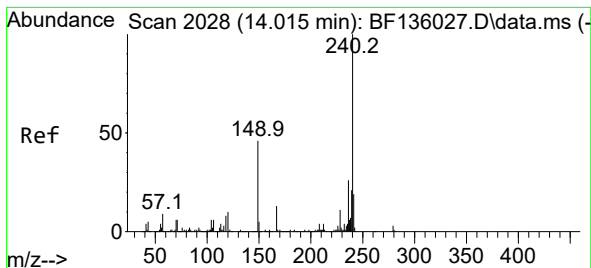
Tgt Ion:167 Resp: 53080
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.2 25.8
 139 13.5 9.9 14.9



#75
 Fluoranthene
 Concen: 38.904 ng
 RT: 12.574 min Scan# 1783
 Delta R.T. 0.000 min
 Lab File: BF136057.D
 Acq: 31 Oct 2023 18:05

Tgt Ion:202 Resp: 746607
 Ion Ratio Lower Upper
 202 100
 101 12.2 0.0 31.8
 203 17.7 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136057.D

Acq: 31 Oct 2023 18:05

Instrument :

BNA_F

ClientSampleId :

72-11930DL

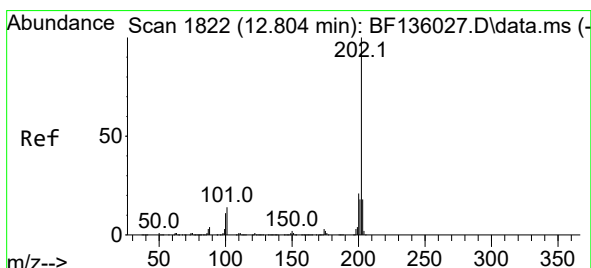
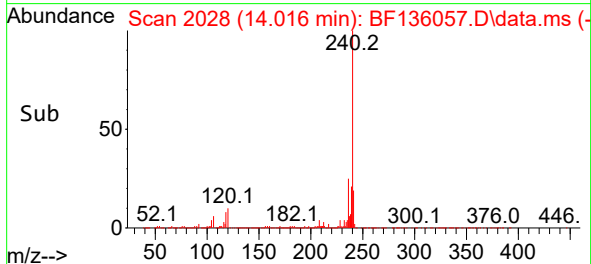
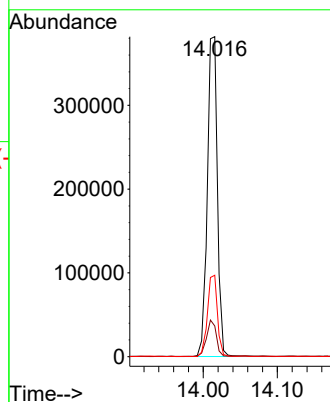
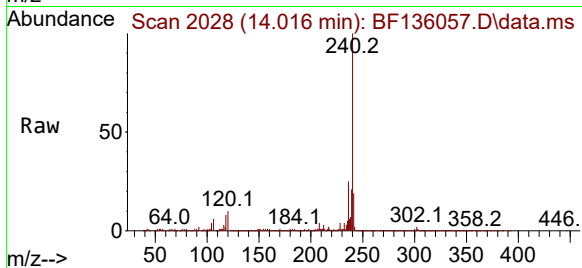
Tgt Ion:240 Resp: 361617

Ion Ratio Lower Upper

240 100

120 9.6 7.6 11.4

236 25.4 20.6 31.0



#78

Pyrene

Concen: 16.146 ng

RT: 12.804 min Scan# 1822

Delta R.T. 0.000 min

Lab File: BF136057.D

Acq: 31 Oct 2023 18:05

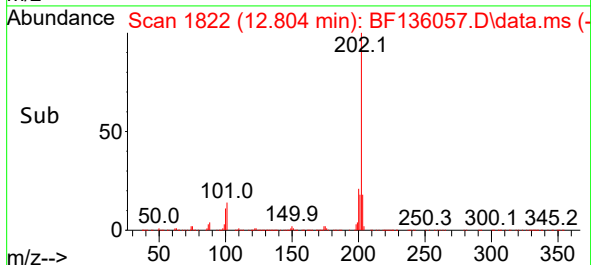
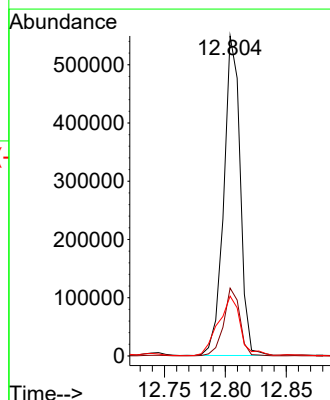
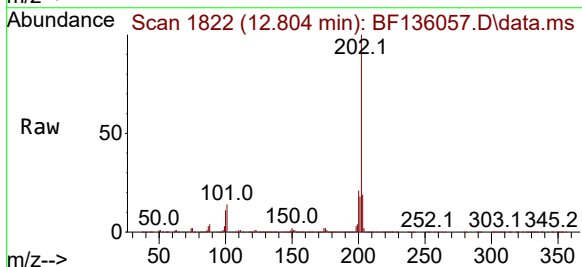
Tgt Ion:202 Resp: 514760

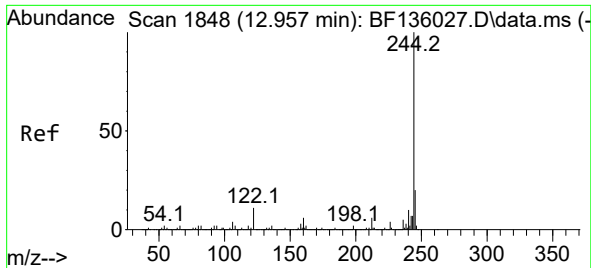
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

203 18.7 14.4 21.6

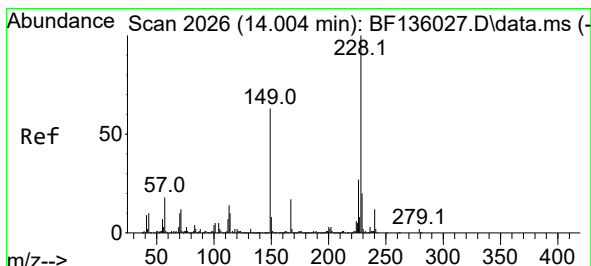
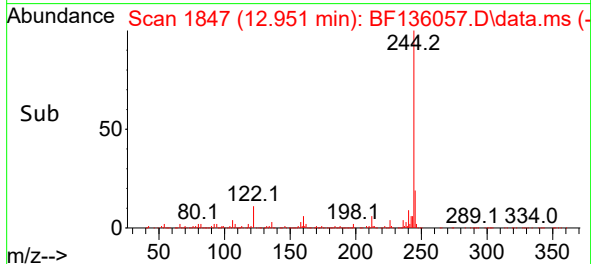
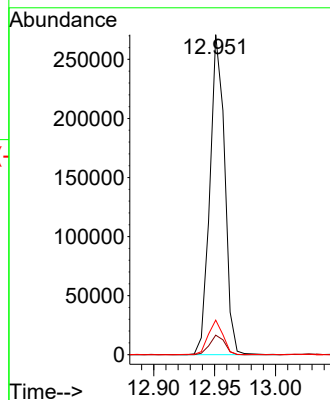
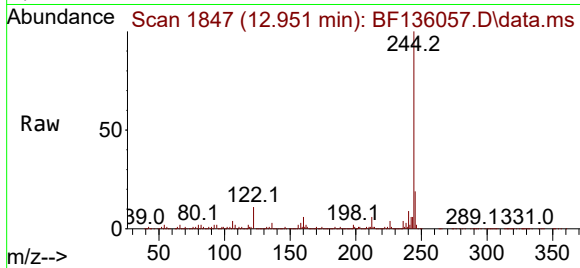




#79
 Terphenyl-d14
 Concen: 9.804 ng
 RT: 12.951 min Scan# 1847
 Delta R.T. -0.006 min
 Lab File: BF136057.D
 Acq: 31 Oct 2023 18:05

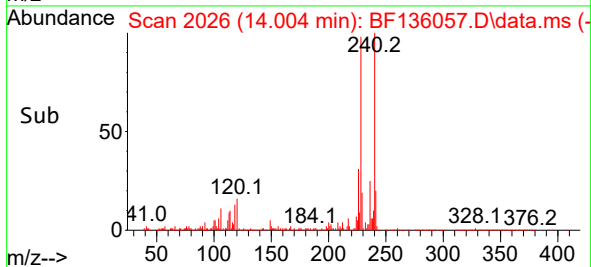
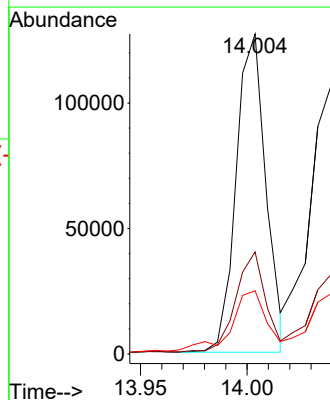
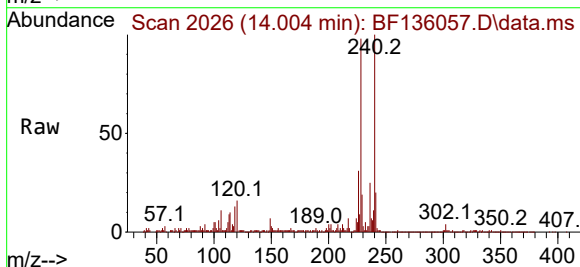
Instrument :
 BNA_F
 ClientSampleId :
 72-11930DL

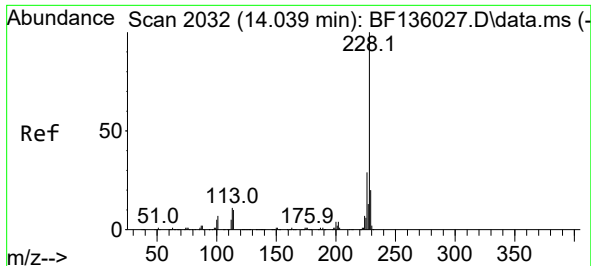
Tgt Ion:244 Resp: 228127
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.1 7.7
 122 10.8 8.6 12.8



#81
 Benzo(a)anthracene
 Concen: 5.140 ng
 RT: 14.004 min Scan# 2026
 Delta R.T. 0.000 min
 Lab File: BF136057.D
 Acq: 31 Oct 2023 18:05

Tgt Ion:228 Resp: 123044
 Ion Ratio Lower Upper
 228 100
 226 31.9 21.5 32.3
 229 19.7 15.8 23.6

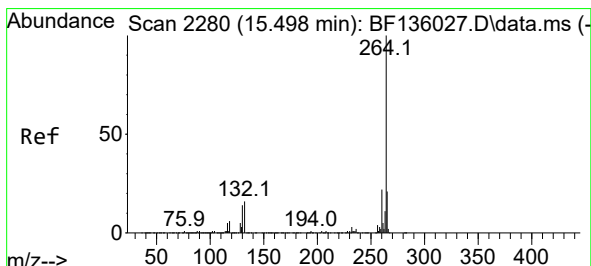
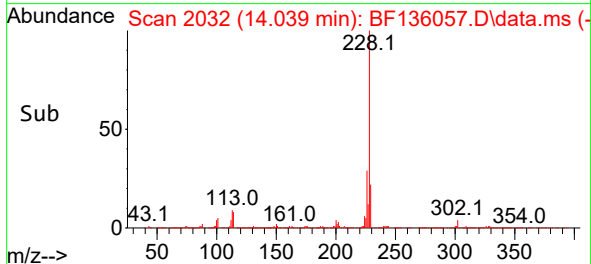
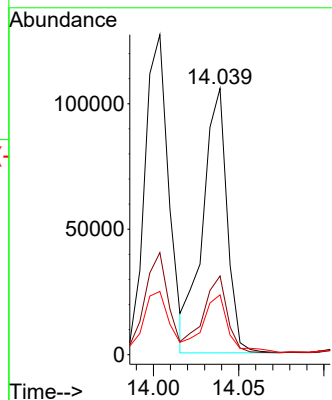
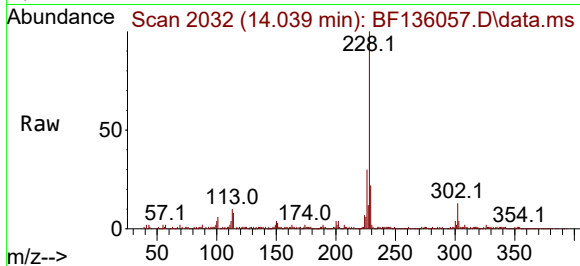




#83
Chrysene
Concen: 4.442 ng
RT: 14.039 min Scan# 2032
Delta R.T. 0.000 min
Lab File: BF136057.D
Acq: 31 Oct 2023 18:05

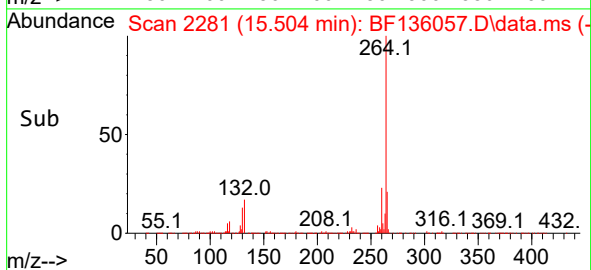
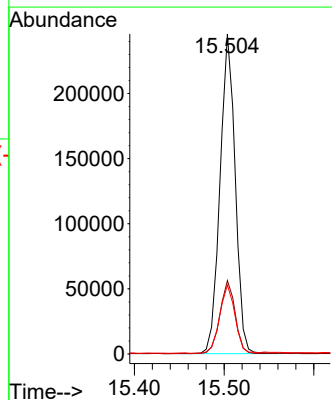
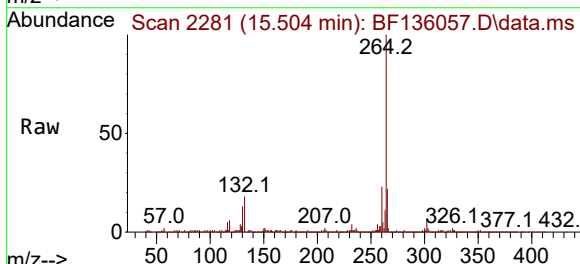
Instrument :
BNA_F
ClientSampleId :
72-11930DL

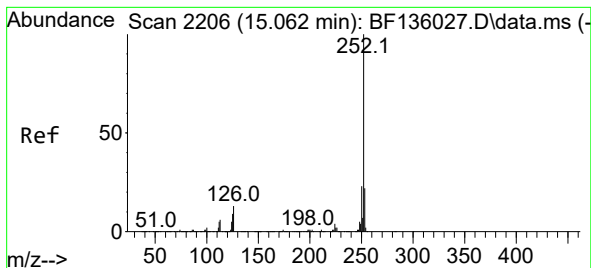
Tgt Ion:228 Resp: 104739
Ion Ratio Lower Upper
228 100
226 29.6 23.5 35.3
229 22.5 16.0 24.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2281
Delta R.T. 0.006 min
Lab File: BF136057.D
Acq: 31 Oct 2023 18:05

Tgt Ion:264 Resp: 288195
Ion Ratio Lower Upper
264 100
260 22.9 17.9 26.9
265 21.5 16.8 25.2





#88

Benzo(b)fluoranthene

Concen: 4.470 ng

RT: 15.063 min Scan# 2206

Delta R.T. 0.000 min

Lab File: BF136057.D

Acq: 31 Oct 2023 18:05

Instrument :

BNA_F

ClientSampleId :

72-11930DL

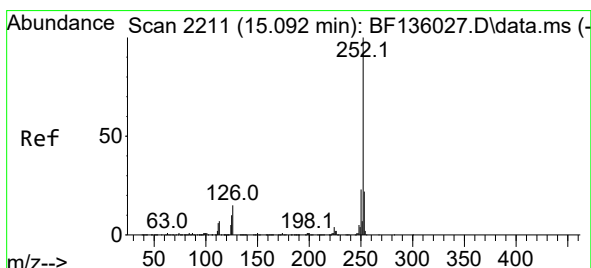
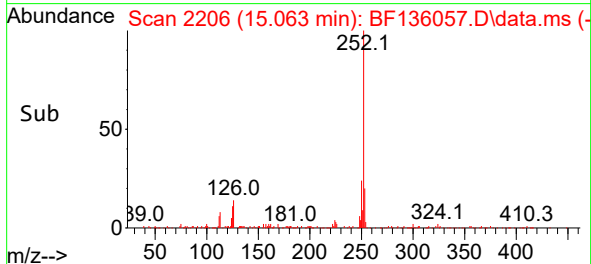
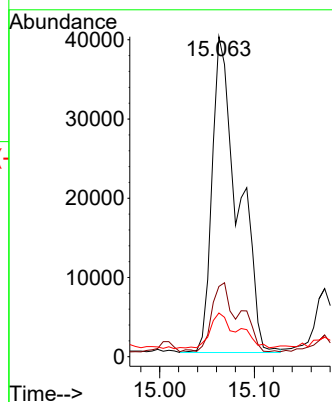
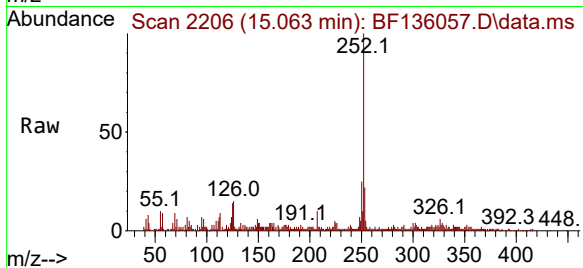
Tgt Ion:252 Resp: 76229

Ion Ratio Lower Upper

252 100

253 21.9 17.7 26.5

125 13.6 7.5 11.3#



#89

Benzo(k)fluoranthene

Concen: 4.518 ng

RT: 15.063 min Scan# 2206

Delta R.T. -0.029 min

Lab File: BF136057.D

Acq: 31 Oct 2023 18:05

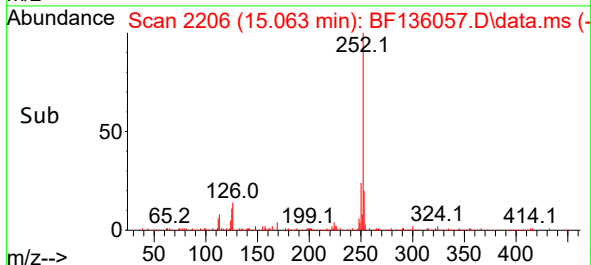
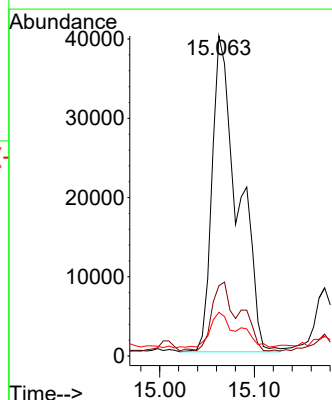
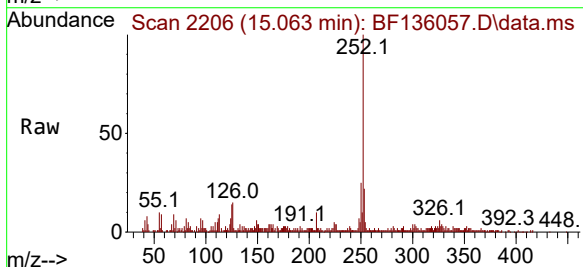
Tgt Ion:252 Resp: 76229

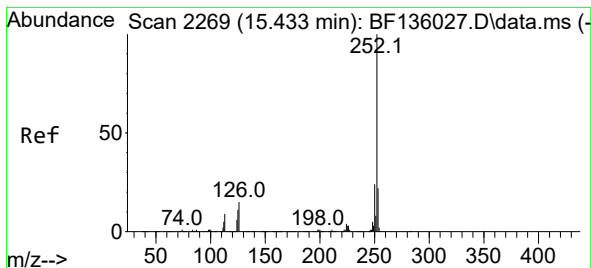
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 13.6 8.0 12.0#





#90

Benzo(a)pyrene

Concen: 2.002 ng

RT: 15.433 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136057.D

Acq: 31 Oct 2023 18:05

Instrument :

BNA_F

ClientSampleId :

72-11930DL

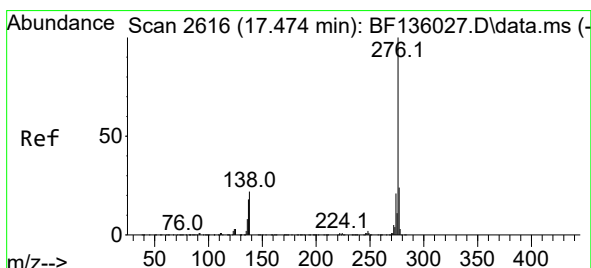
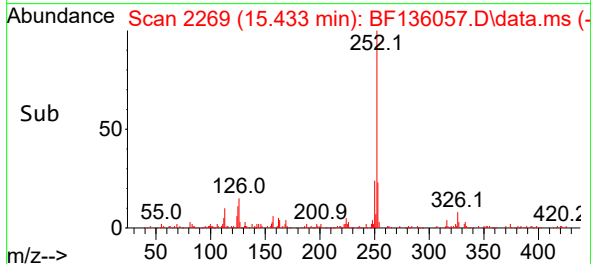
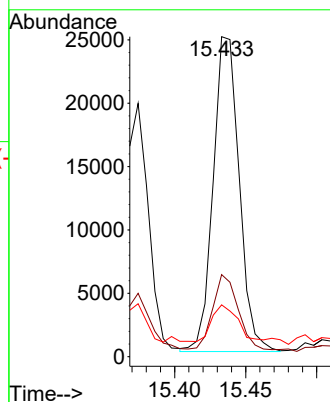
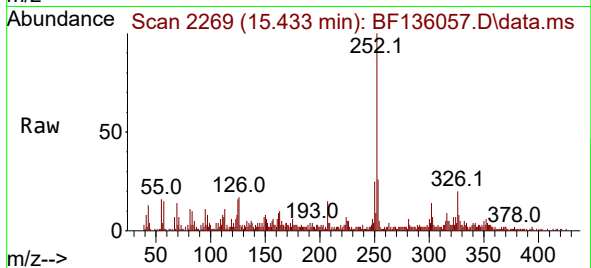
Tgt Ion:252 Resp: 31723

Ion Ratio Lower Upper

252 100

253 25.7 17.3 25.9

125 16.2 9.0 13.6#



#92

Benzo(g,h,i)perylene

Concen: 3.539 ng

RT: 17.468 min Scan# 2615

Delta R.T. -0.006 min

Lab File: BF136057.D

Acq: 31 Oct 2023 18:05

Tgt Ion:276 Resp: 12032

Ion Ratio Lower Upper

276 100

277 26.8 19.0 28.4

138 27.1 17.4 26.2#

