

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030724\
 Data File : BF137537.D
 Acq On : 07 Mar 2024 18:50
 Operator : CG\JU
 Sample : P1688-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

Quant Time: Mar 08 00:32:45 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 08 00:31:33 2024
 Response via : Initial Calibration

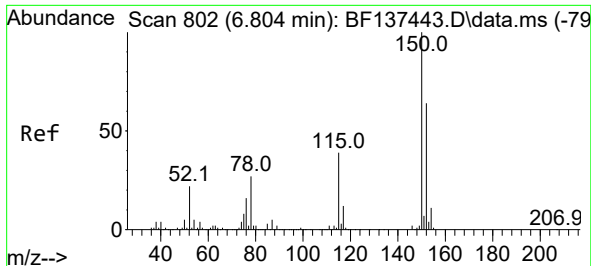
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	193444	20.000	ng	0.02
21) Naphthalene-d8	8.151	136	744647	20.000	ng	0.01
39) Acenaphthene-d10	9.904	164	386533	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	554981	20.000	ng	0.01
76) Chrysene-d12	14.074	240	357937	20.000	ng	0.02
86) Perylene-d12	15.615	264	430257	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	1166640	91.340	ng	0.02
7) Phenol-d6	6.522	99	1581602	85.786	ng	0.01
23) Nitrobenzene-d5	7.433	82	939739	58.637	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	263794	77.714	ng	0.01
45) 2-Fluorobiphenyl	9.227	172	1494591	60.527	ng	0.00
79) Terphenyl-d14	13.004	244	1095794	42.098	ng	0.00
Target Compounds					Qvalue	
4) n-Nitrosodimethylamine	3.475	42	695	3.902	ng	# 1
19) n-Nitroso-di-n-propyla...	7.433	70	127071	11.161	ng	# 80
25) Isophorone	7.433	82	939641	30.861	ng	# 69
32) Benzoic acid	7.975	122	1593	6.500	ng	# 18
51) 2,6-Dinitrotoluene	9.904	165	57707	10.254	ng	# 21
52) Acenaphthene	9.939	154	118223	5.737	ng	98
54) 2,4-Dinitrophenol	10.210	184	219	8.297	ng	# 8
55) Dibenzofuran	10.116	168	128564	4.096	ng	96
56) 4-Nitrophenol	10.010	139	2451	5.072	ng	# 39
58) Fluorene	10.457	166	107787	4.472	ng	99
67) 4-Bromophenyl-phenylether	10.698	248	18764	3.104	ng	# 1
71) Phenanthrene	11.433	178	2581767	85.480	ng	98
72) Anthracene	11.480	178	696173	22.442	ng	98
73) Carbazole	11.639	167	56154	2.113	ng	98
75) Fluoranthene	12.633	202	2782263	94.241	ng	97
78) Pyrene	12.863	202	2548565	72.564	ng	99
81) Benzo(a)anthracene	14.062	228	1606673	64.043	ng	98
83) Chrysene	14.098	228	1355408	53.456	ng	96
85) Di-n-octyl phthalate	14.668	149	459	5.625	ng	# 1
87) Indeno(1,2,3-cd)pyrene	17.215	276	605217	21.375	ng	94
88) Benzo(b)fluoranthene	15.157	252	2530169	99.412	ng	99
89) Benzo(k)fluoranthene	15.157	252	2530169	92.554	ng	97
90) Benzo(a)pyrene	15.551	252	1420994	56.656	ng	97
91) Dibenzo(a,h)anthracene	17.227	278	152433	6.637	ng	96
92) Benzo(g,h,i)perylene	17.703	276	545272	23.116	ng	99

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

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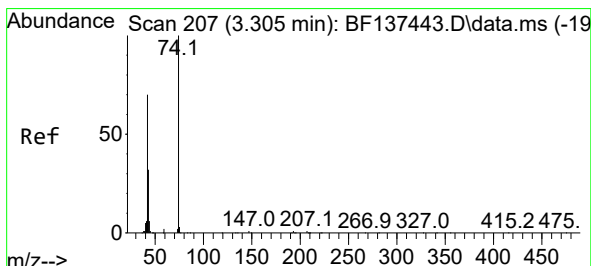
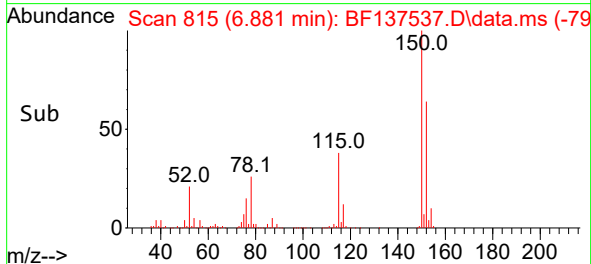
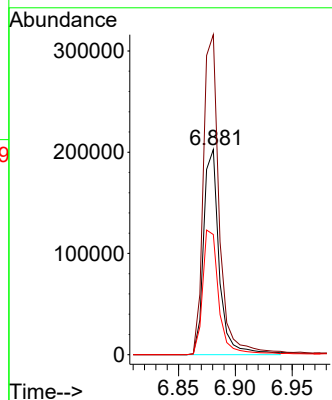
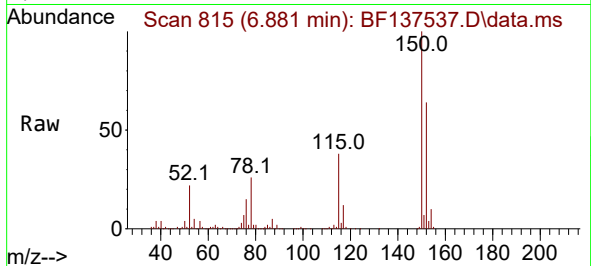




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 815
Delta R.T. 0.018 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

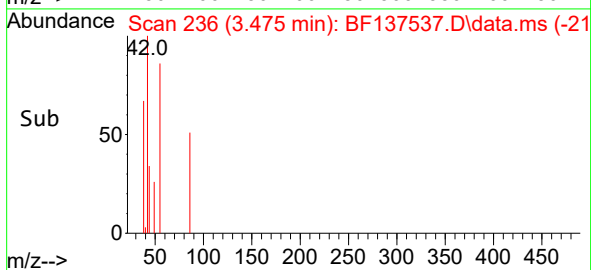
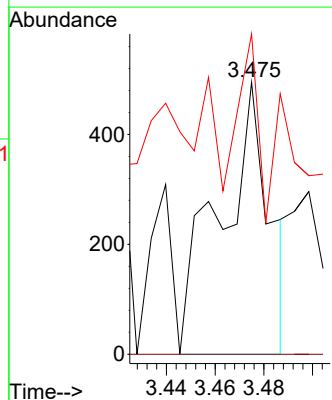
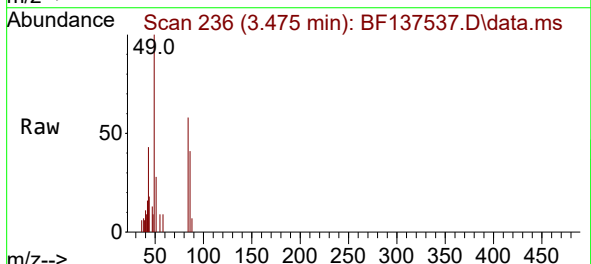
Instrument :
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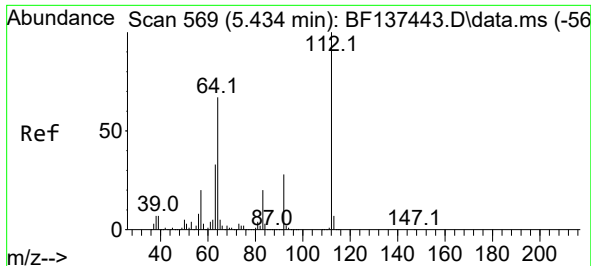
Tgt Ion:152 Resp: 193444
Ion Ratio Lower Upper
152 100
150 156.0 125.8 188.6
115 58.6 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.902 ng
RT: 3.475 min Scan# 236
Delta R.T. 0.006 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

Tgt Ion: 42 Resp: 695
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 117.8 7.0 10.4#

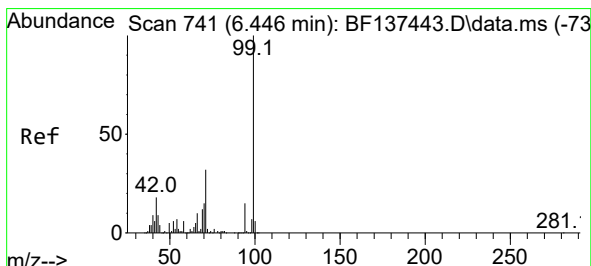
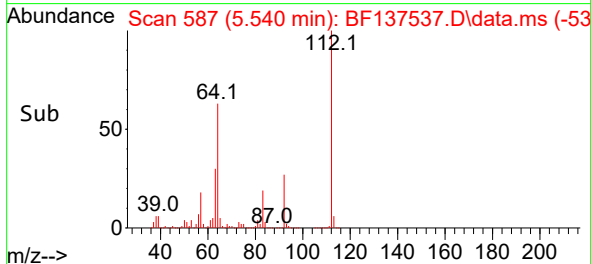
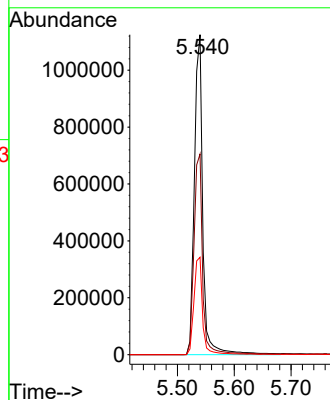
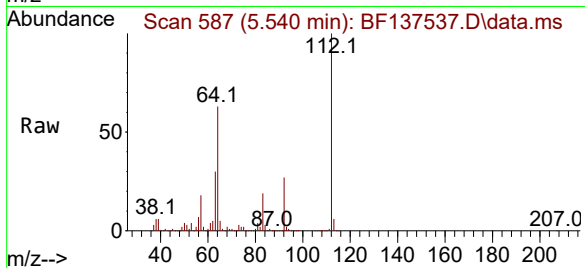




#5
2-Fluorophenol
Concen: 91.340 ng
RT: 5.540 min Scan# 51
Delta R.T. 0.024 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

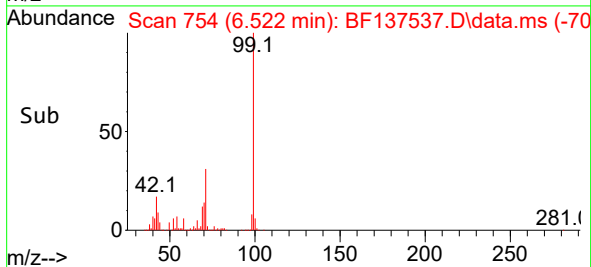
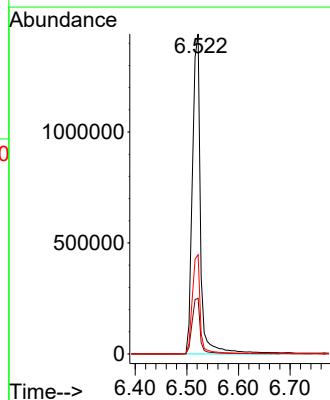
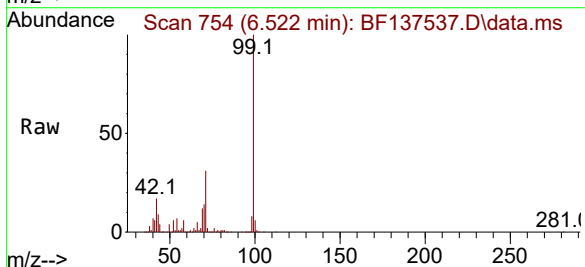
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ClientSampleId :
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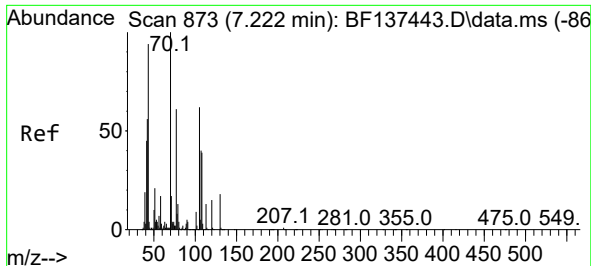
Tgt Ion:112 Resp: 1166640
Ion Ratio Lower Upper
112 100
64 62.7 53.4 80.2
63 30.5 26.2 39.2



#7
Phenol-d6
Concen: 85.786 ng
RT: 6.522 min Scan# 754
Delta R.T. 0.012 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

Tgt Ion: 99 Resp: 1581602
Ion Ratio Lower Upper
99 100
42 17.4 14.6 21.8
71 31.0 25.3 37.9



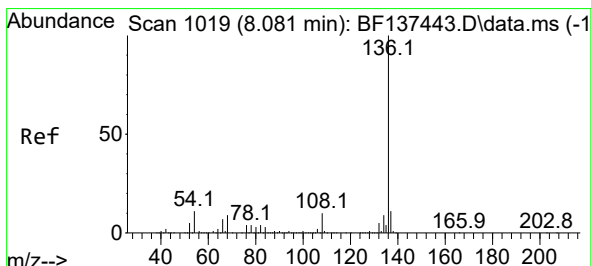
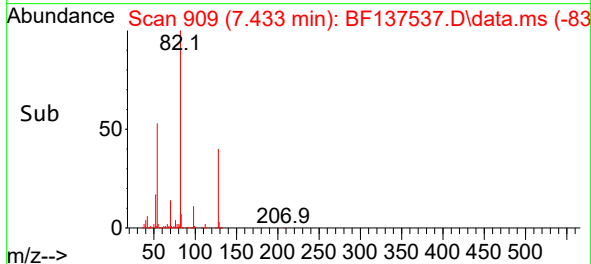
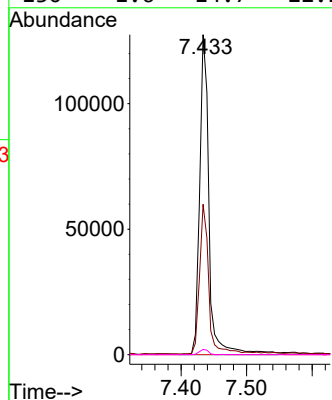
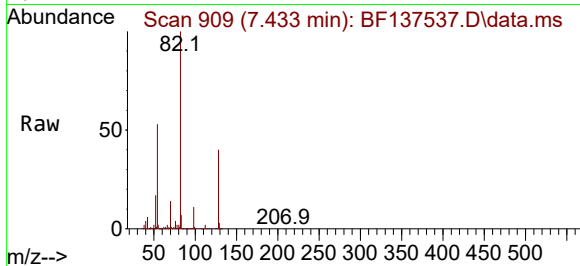


#19
n-Nitroso-di-n-propylamine
Concen: 11.161 ng
RT: 7.433 min Scan# 90
Delta R.T. 0.147 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 70 Resp: 127071

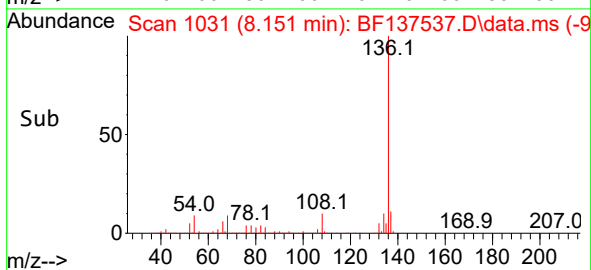
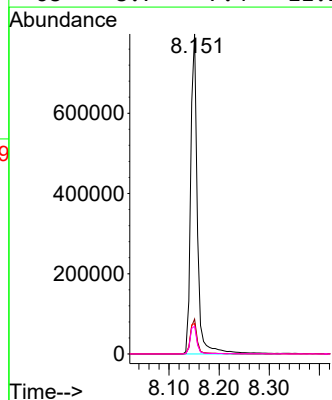
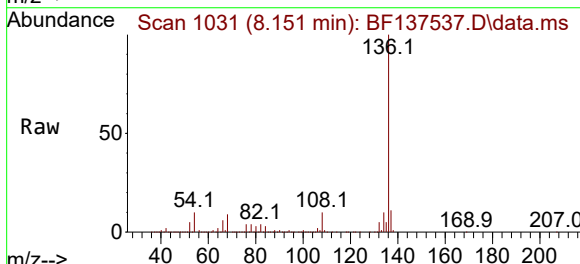
Ion	Ratio	Lower	Upper
70	100		
42	47.0	45.2	67.8
101	0.0	7.3	10.9#
130	1.6	14.7	22.1#

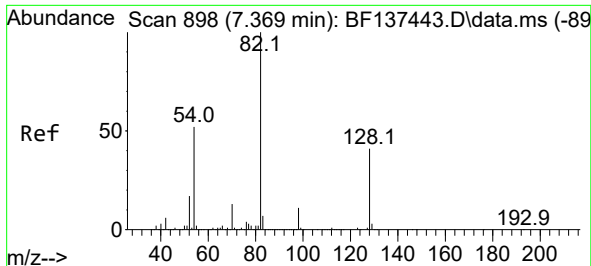


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. 0.012 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

Tgt Ion: 136 Resp: 744647

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	9.5	8.5	12.7
68	8.7	7.4	11.2

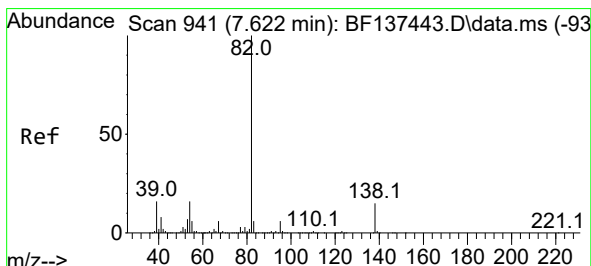
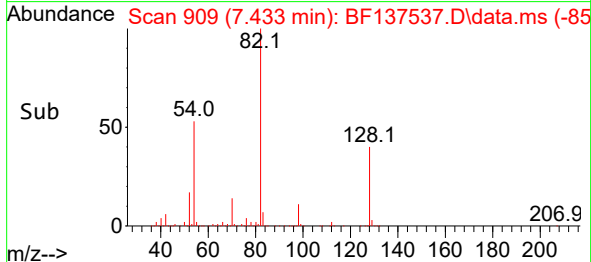
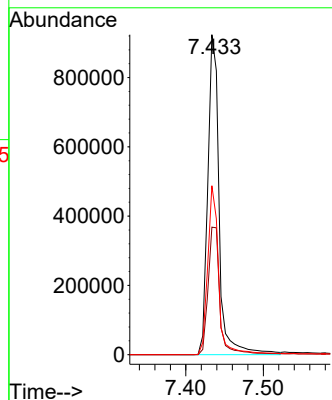
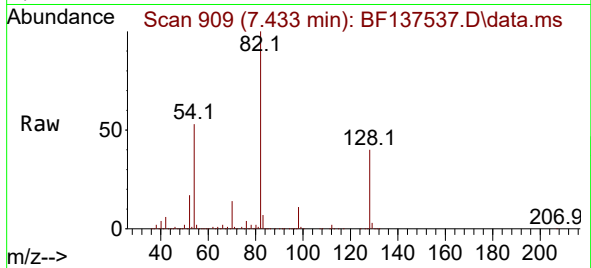




#23
Nitrobenzene-d5
Concen: 58.637 ng
RT: 7.433 min Scan# 909
Delta R.T. 0.006 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

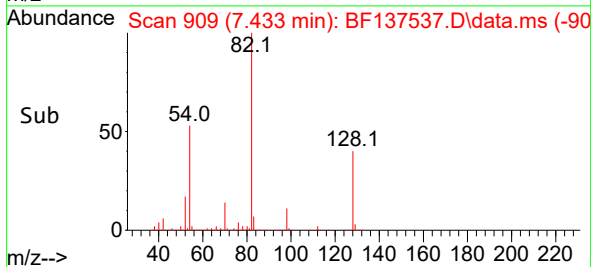
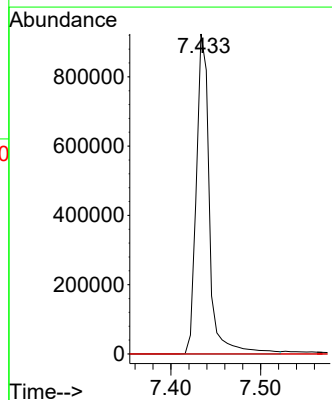
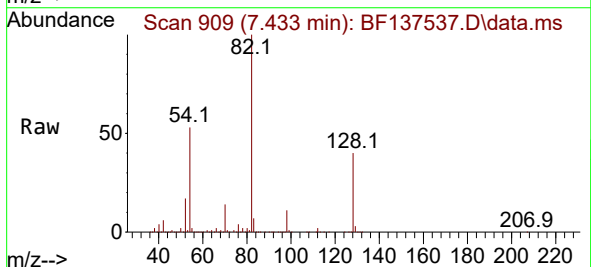
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ClientSampleId :
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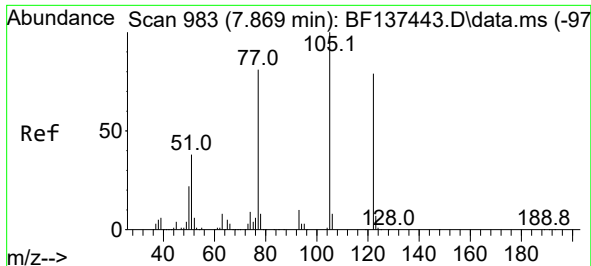
Tgt Ion: 82 Resp: 939739
Ion Ratio Lower Upper
82 100
128 39.8 32.5 48.7
54 52.8 41.5 62.3



#25
Isophorone
Concen: 30.861 ng
RT: 7.433 min Scan# 909
Delta R.T. -0.253 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

Tgt Ion: 82 Resp: 939641
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 11.8 17.8#

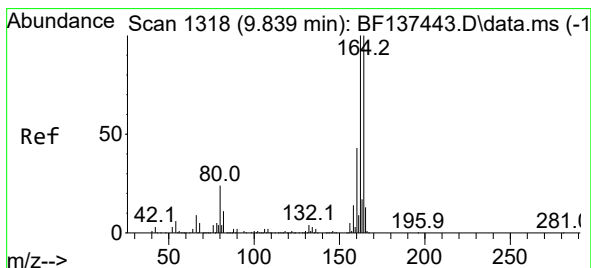
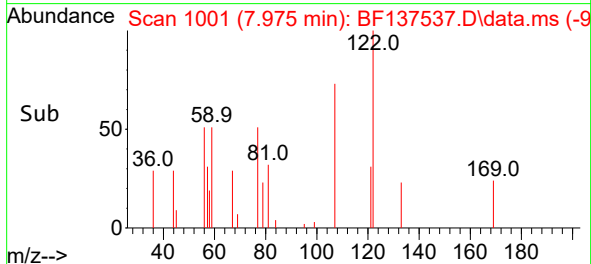
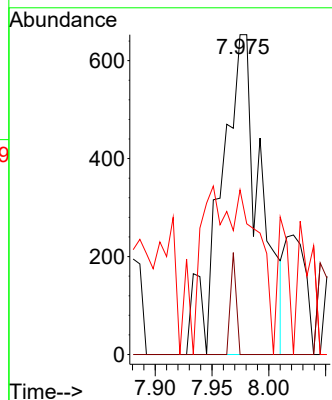
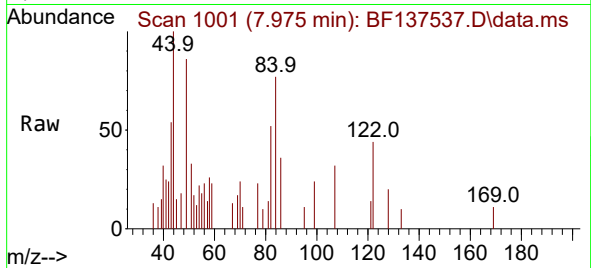




#32
Benzoic acid
Concen: 6.500 ng
RT: 7.975 min Scan# 1001
Delta R.T. 0.035 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

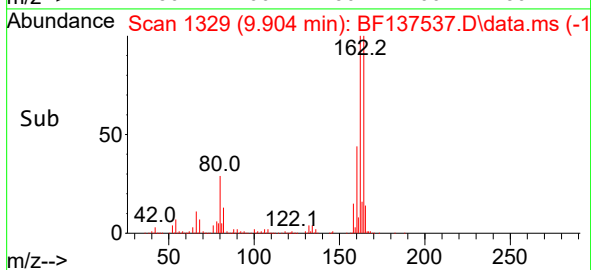
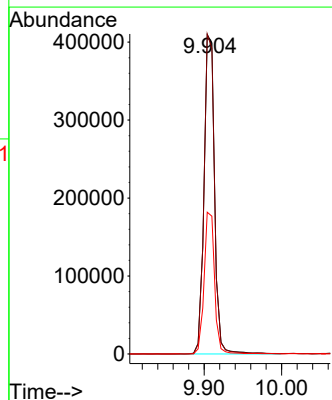
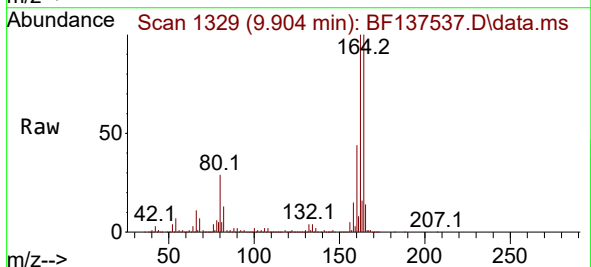
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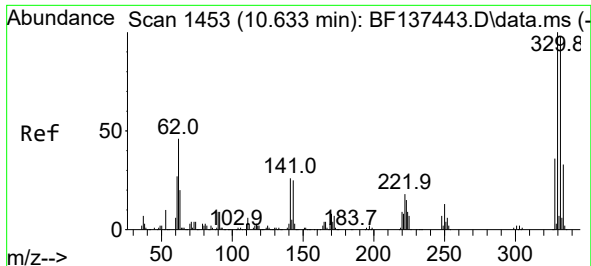
Tgt Ion:122 Resp: 1593
Ion Ratio Lower Upper
122 100
105 0.0 102.4 142.4#
77 51.5 81.1 121.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.006 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

Tgt Ion:164 Resp: 386533
Ion Ratio Lower Upper
164 100
162 100.2 79.8 119.8
160 44.4 34.4 51.6

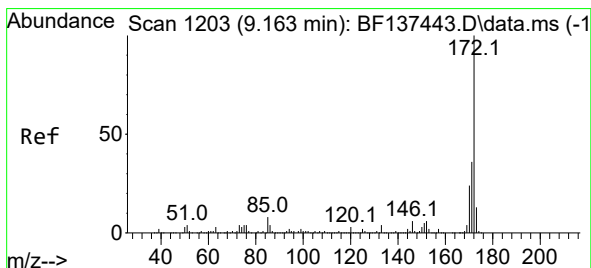
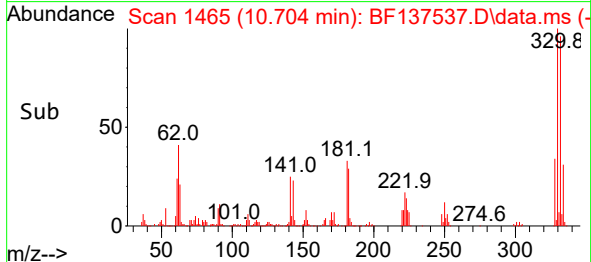
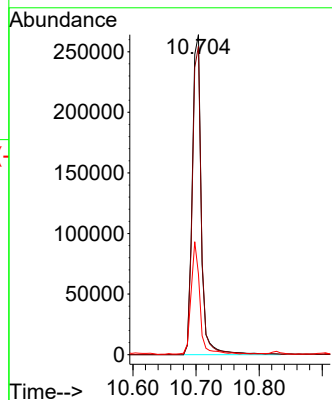
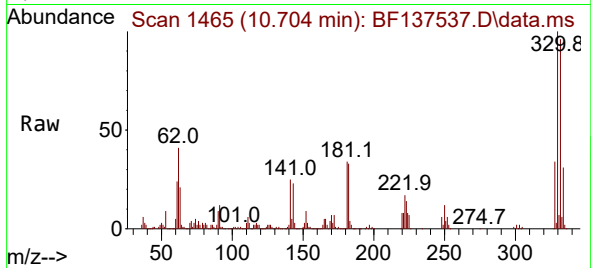




#42
2,4,6-Tribromophenol
Concen: 77.714 ng
RT: 10.704 min Scan# 1453
Delta R.T. 0.012 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

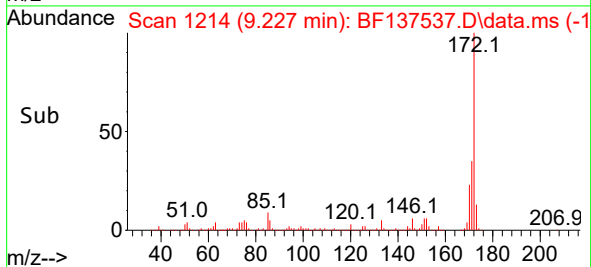
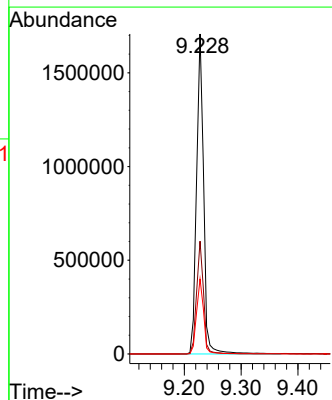
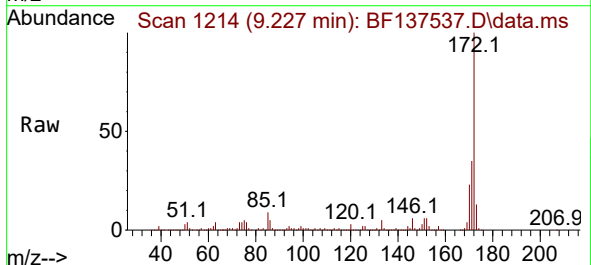
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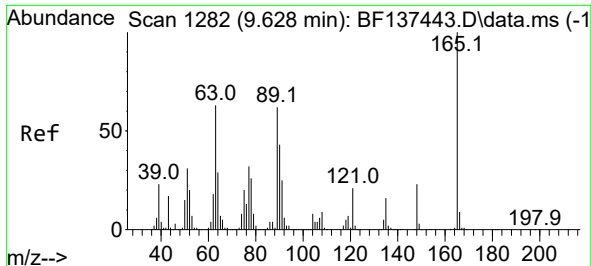
Tgt Ion:330 Resp: 263794
Ion Ratio Lower Upper
330 100
332 96.6 78.0 117.0
141 34.2 27.3 40.9



#45
2-Fluorobiphenyl
Concen: 60.527 ng
RT: 9.227 min Scan# 1214
Delta R.T. 0.006 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

Tgt Ion:172 Resp: 1494591
Ion Ratio Lower Upper
172 100
171 35.3 28.5 42.7
170 23.5 19.0 28.6

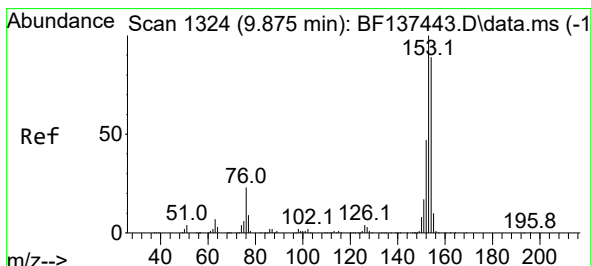
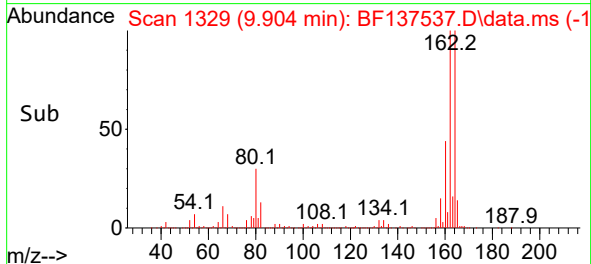
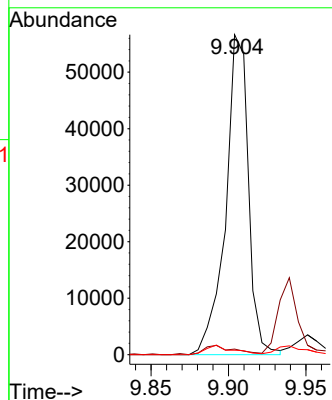
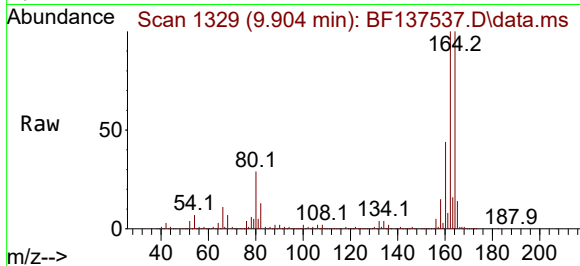




#51
2,6-Dinitrotoluene
Concen: 10.254 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

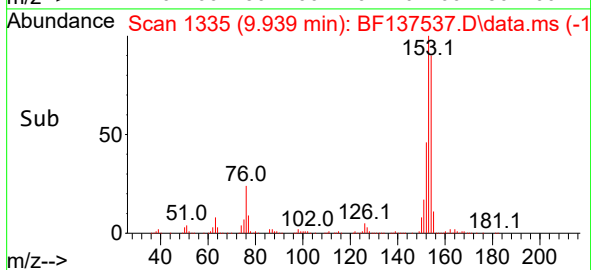
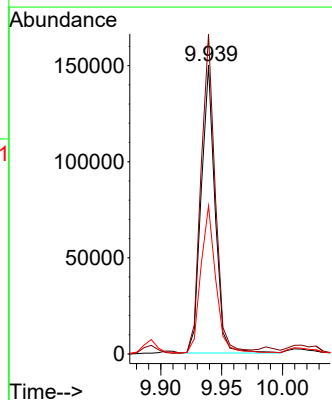
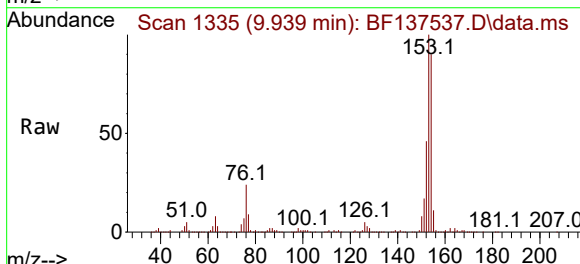
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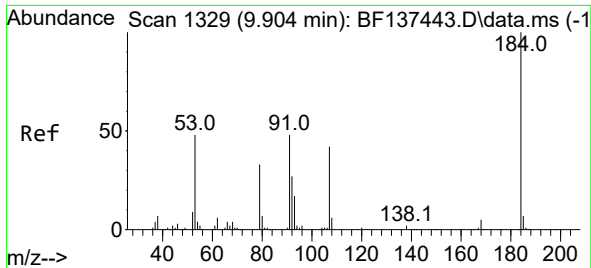
Tgt Ion:165 Resp: 57707
Ion Ratio Lower Upper
165 100
63 1.8 50.7 76.1#
89 1.4 50.0 75.0#



#52
Acenaphthene
Concen: 5.737 ng
RT: 9.939 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

Tgt Ion:154 Resp: 118223
Ion Ratio Lower Upper
154 100
153 110.9 90.3 135.5
152 51.3 42.7 64.1

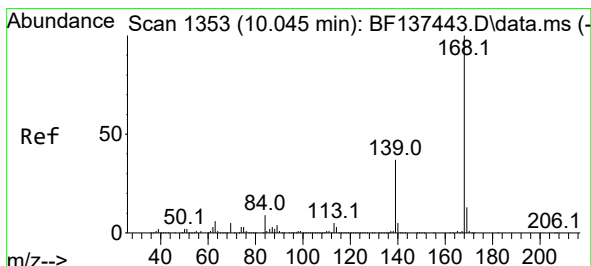
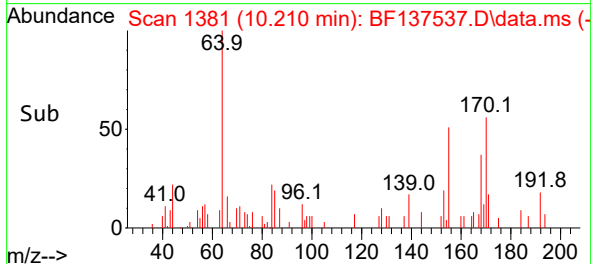
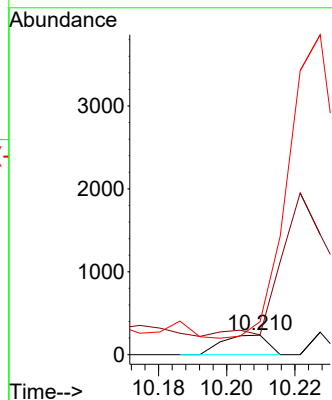
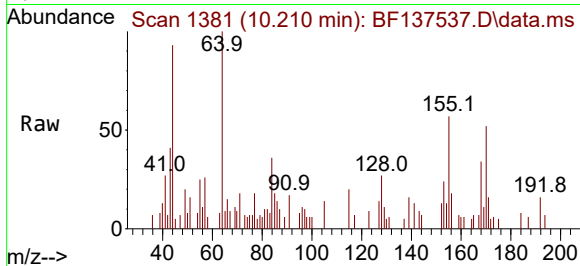




#54
2,4-Dinitrophenol
Concen: 8.297 ng
RT: 10.210 min Scan# 1381
Delta R.T. 0.241 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

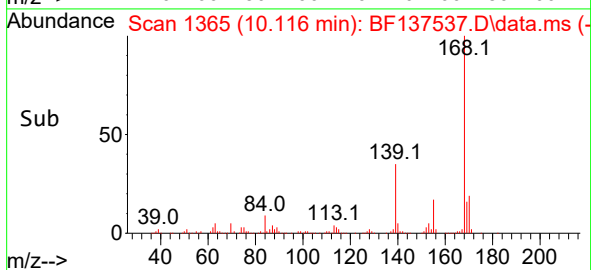
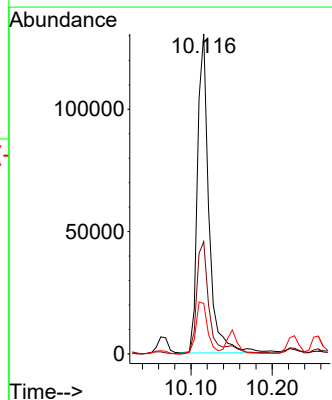
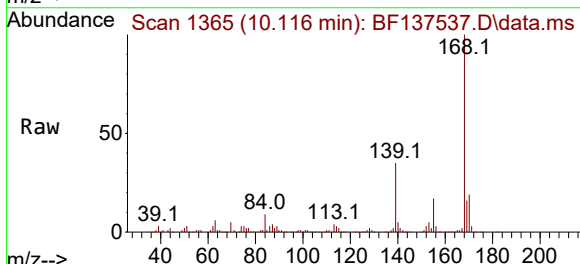
Instrument :
BNA_F
ClientSampleId :
COMP-1

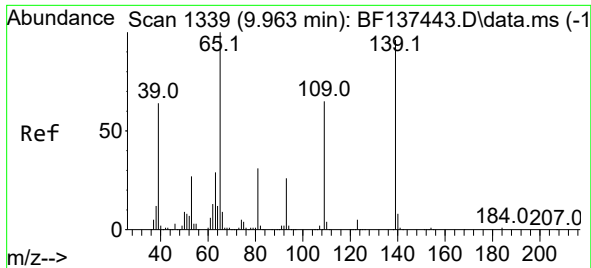
Tgt Ion:184 Resp: 219
Ion Ratio Lower Upper
184 100
63 101.7 53.3 79.9#
154 168.2 47.4 71.0#



#55
Dibenzofuran
Concen: 4.096 ng
RT: 10.116 min Scan# 1365
Delta R.T. 0.012 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

Tgt Ion:168 Resp: 128564
Ion Ratio Lower Upper
168 100
139 35.1 29.8 44.6
169 15.8 10.8 16.2

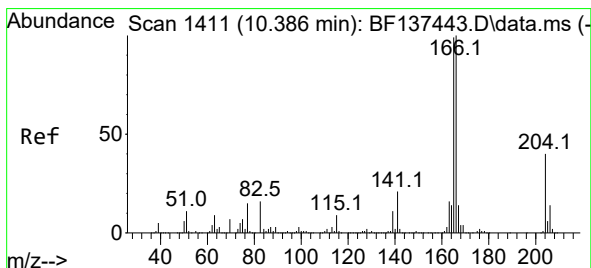
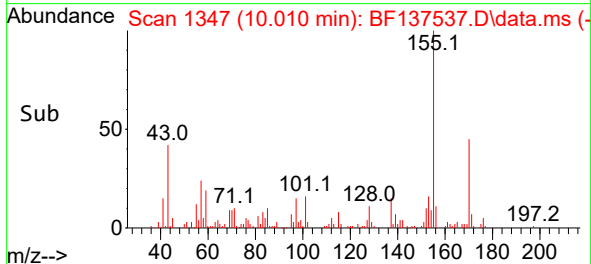
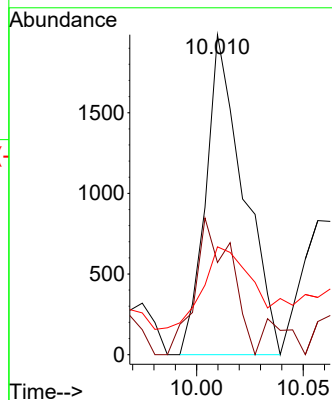
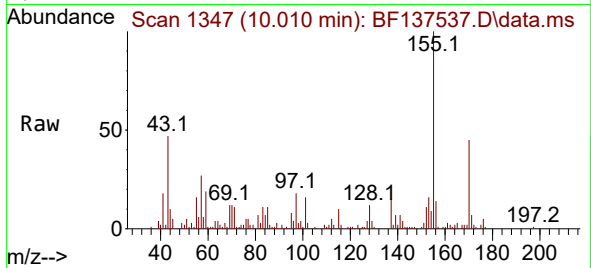




#56
4-Nitrophenol
Concen: 5.072 ng
RT: 10.010 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

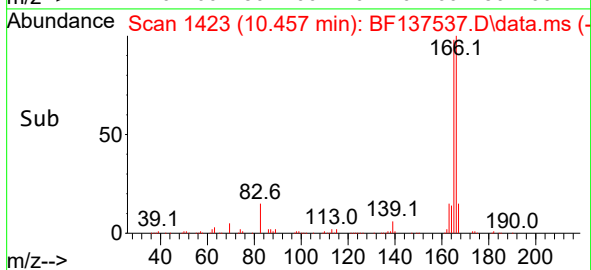
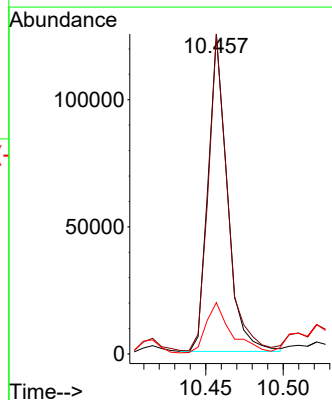
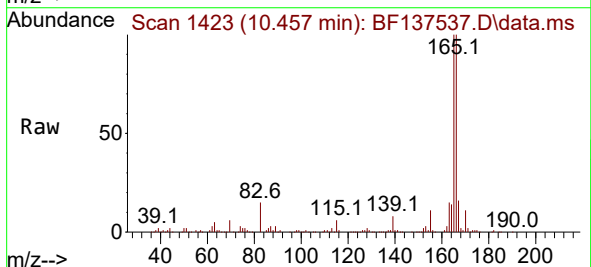
Instrument :
BNA_F
ClientSampleId :
COMP-1

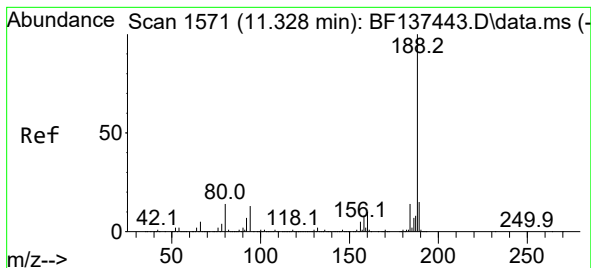
Tgt Ion:139 Resp: 2451
Ion Ratio Lower Upper
139 100
109 28.8 47.1 87.1#
65 33.7 85.1 125.1#



#58
Fluorene
Concen: 4.472 ng
RT: 10.457 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

Tgt Ion:166 Resp: 107787
Ion Ratio Lower Upper
166 100
165 99.8 79.2 118.8
167 16.0 11.0 16.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF137537.D

Acq: 07 Mar 2024 18:50

Instrument :

BNA_F

ClientSampleId :

COMP-1

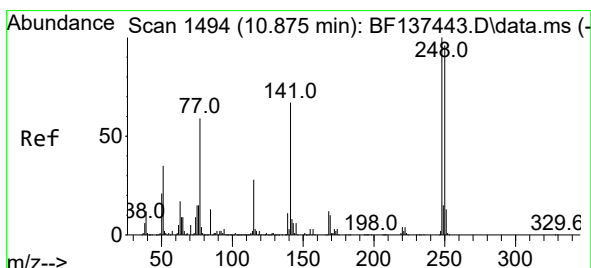
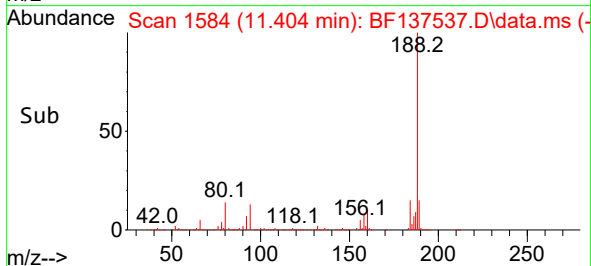
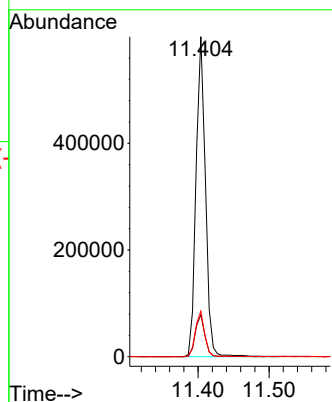
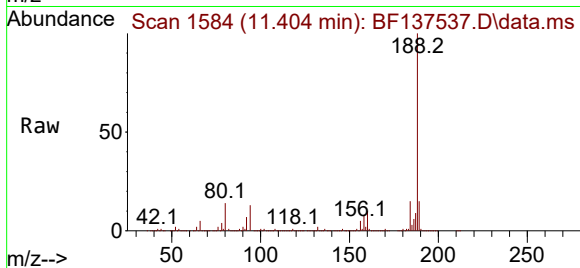
Tgt Ion:188 Resp: 554981

Ion Ratio Lower Upper

188 100

94 13.1 10.6 15.8

80 14.2 11.5 17.3



#67

4-Bromophenyl-phenylether

Concen: 3.104 ng

RT: 10.698 min Scan# 1464

Delta R.T. -0.241 min

Lab File: BF137537.D

Acq: 07 Mar 2024 18:50

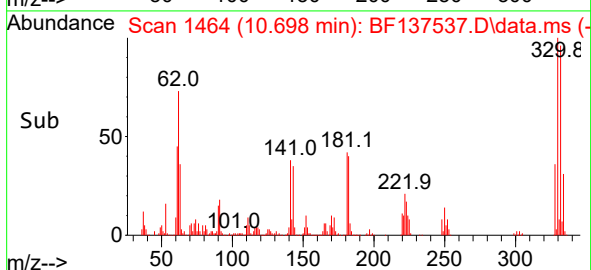
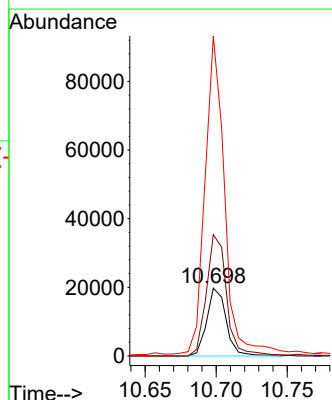
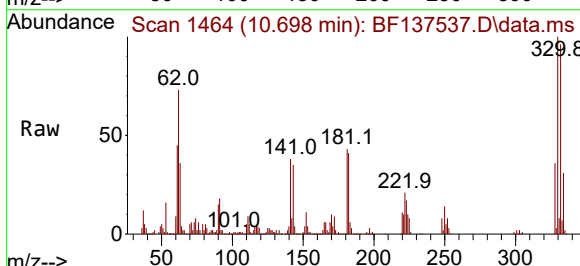
Tgt Ion:248 Resp: 18764

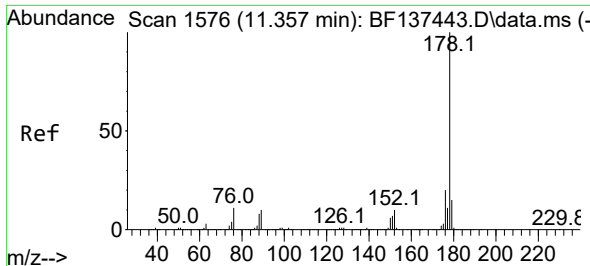
Ion Ratio Lower Upper

248 100

250 178.8 76.8 115.2#

141 471.5 53.4 80.0#

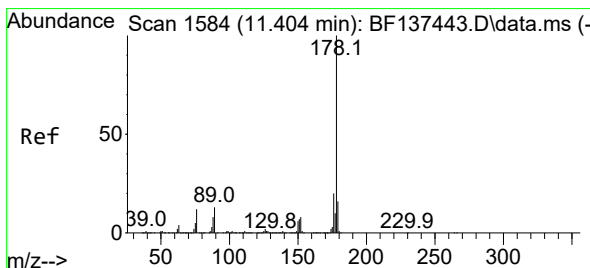
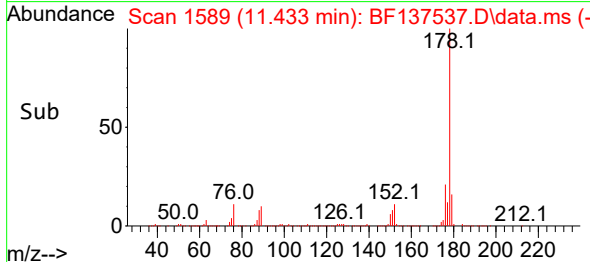
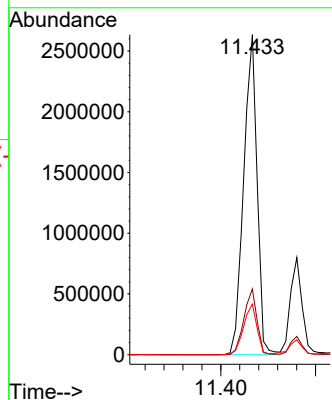
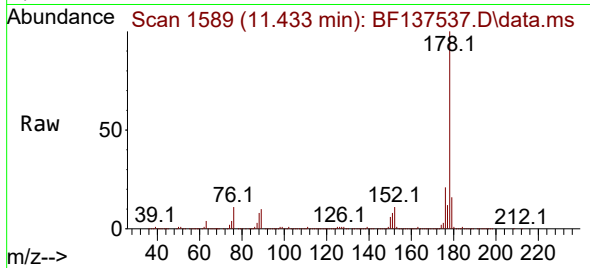




#71
Phenanthrene
Concen: 85.480 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.012 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

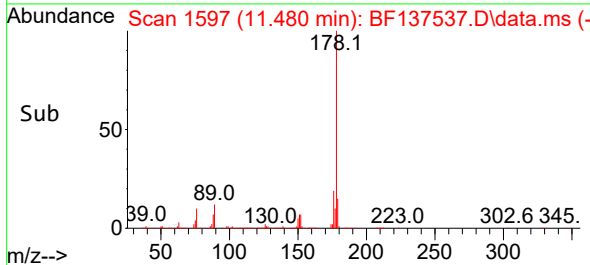
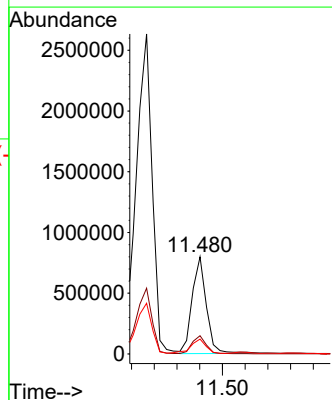
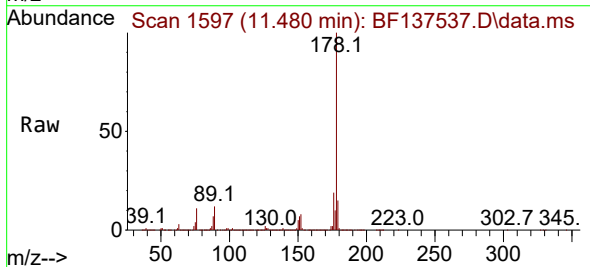
Instrument :
BNA_F
ClientSampleId :
COMP-1

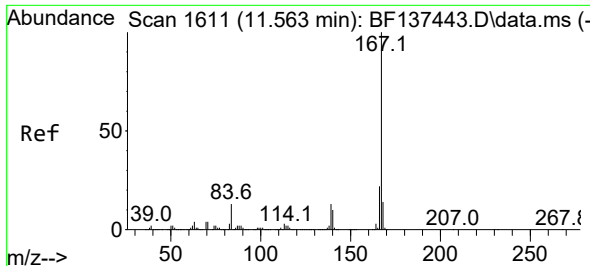
Tgt Ion:178 Resp: 2581767
Ion Ratio Lower Upper
178 100
176 20.6 15.8 23.8
179 15.8 12.2 18.2



#72
Anthracene
Concen: 22.442 ng
RT: 11.480 min Scan# 1597
Delta R.T. 0.006 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

Tgt Ion:178 Resp: 696173
Ion Ratio Lower Upper
178 100
176 18.8 15.7 23.5
179 15.3 12.7 19.1

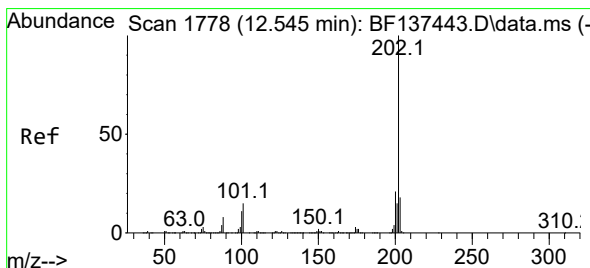
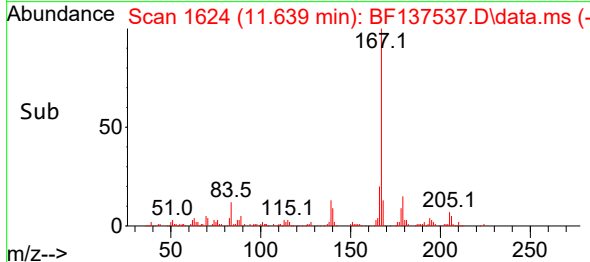
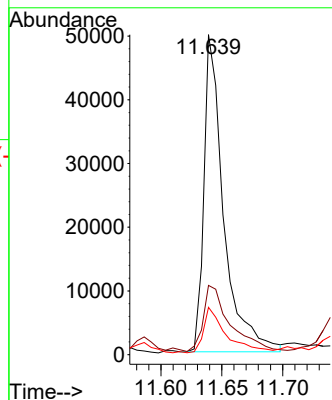
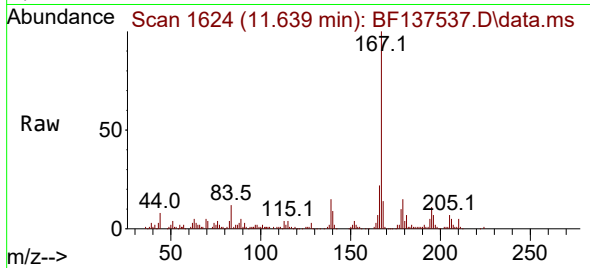




#73
 Carbazole
 Concen: 2.113 ng
 RT: 11.639 min Scan# 1
 Delta R.T. 0.006 min
 Lab File: BF137537.D
 Acq: 07 Mar 2024 18:50

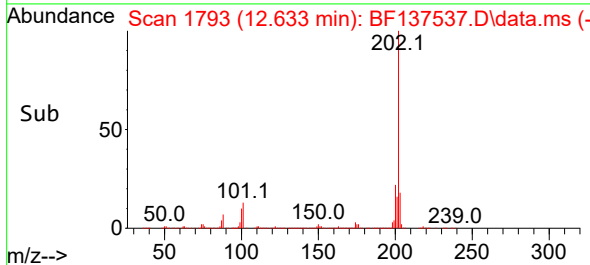
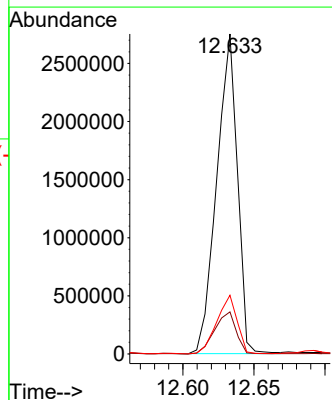
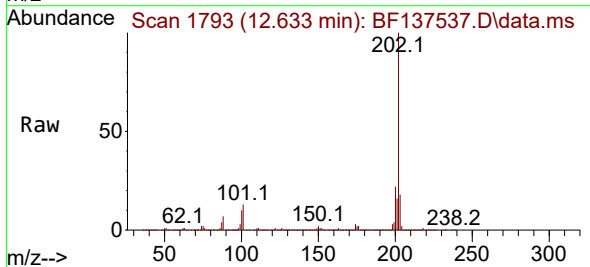
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

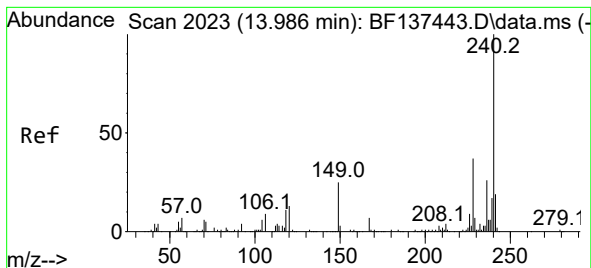
Tgt Ion:167	Resp:	56154
Ion Ratio	Lower	Upper
167	100	
166	21.7	17.8 26.8
139	14.8	10.5 15.7



#75
 Fluoranthene
 Concen: 94.241 ng
 RT: 12.633 min Scan# 1793
 Delta R.T. 0.018 min
 Lab File: BF137537.D
 Acq: 07 Mar 2024 18:50

Tgt Ion:202	Resp:	2782263
Ion Ratio	Lower	Upper
202	100	
101	13.1	0.0 35.0
203	18.3	0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.074 min Scan# 20

Delta R.T. 0.018 min

Lab File: BF137537.D

Acq: 07 Mar 2024 18:50

Instrument :

BNA_F

ClientSampleId :

COMP-1

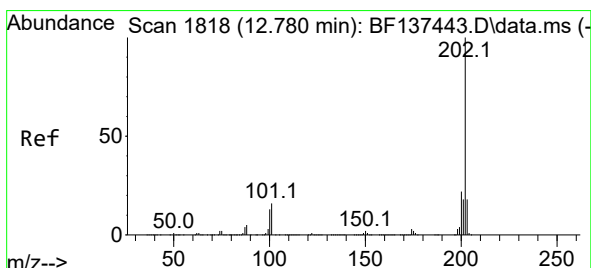
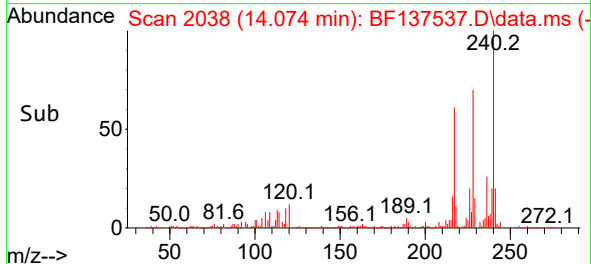
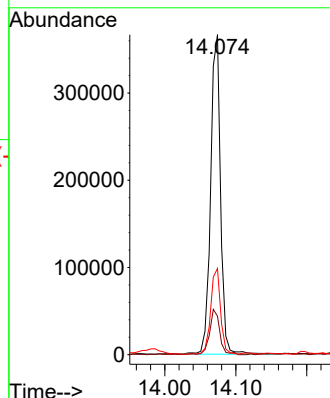
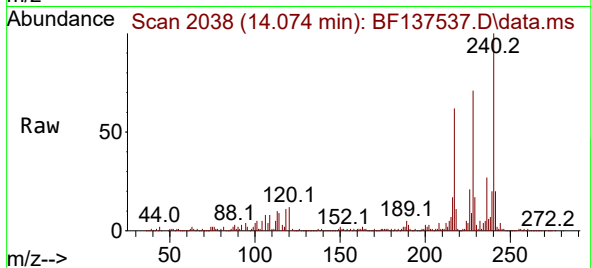
Tgt Ion:240 Resp: 357937

Ion Ratio Lower Upper

240 100

120 12.0 10.4 15.6

236 26.9 20.9 31.3



#78

Pyrene

Concen: 72.564 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.018 min

Lab File: BF137537.D

Acq: 07 Mar 2024 18:50

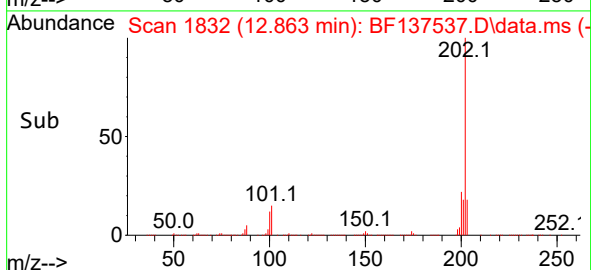
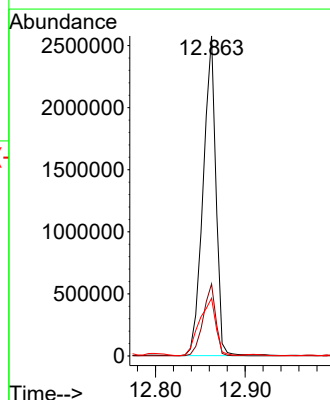
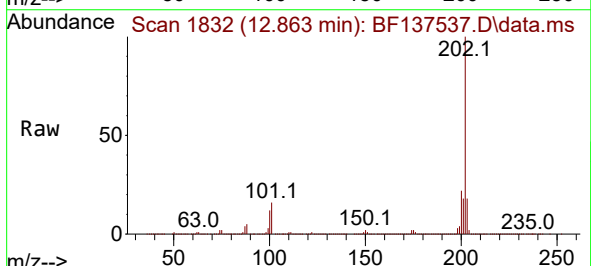
Tgt Ion:202 Resp: 2548565

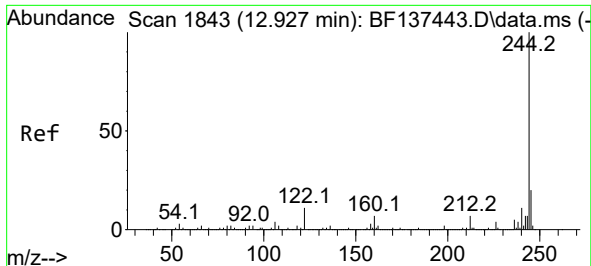
Ion Ratio Lower Upper

202 100

200 22.5 17.4 26.2

203 18.1 14.1 21.1

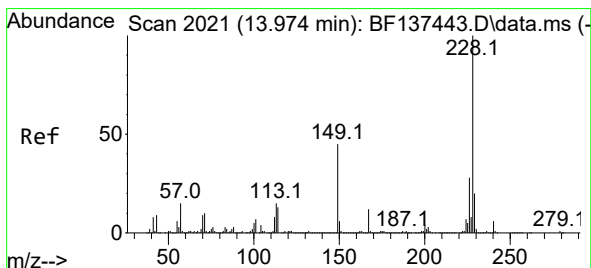
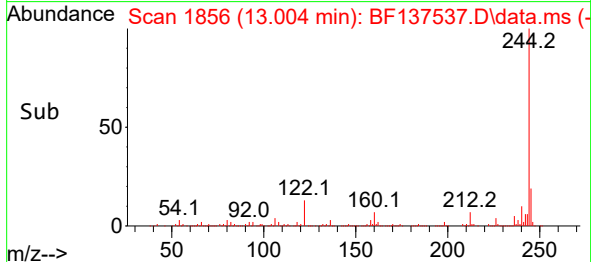
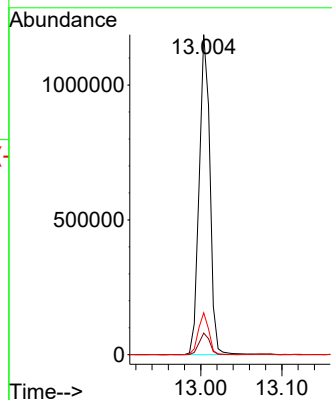
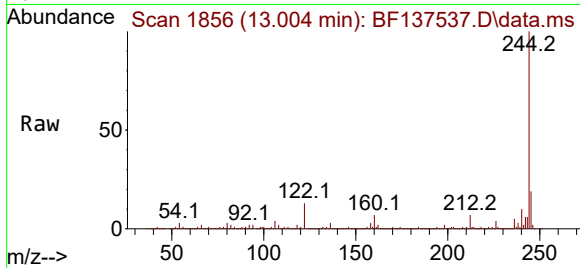




#79
 Terphenyl-d14
 Concen: 42.098 ng
 RT: 13.004 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF137537.D
 Acq: 07 Mar 2024 18:50

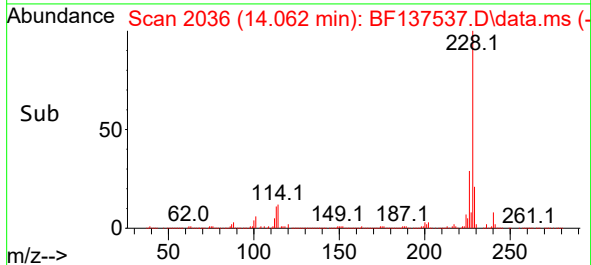
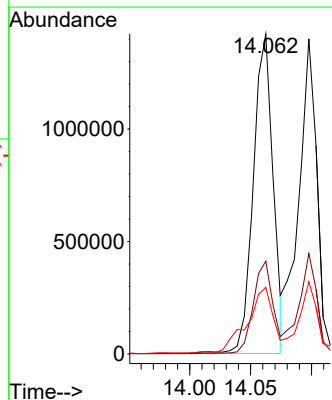
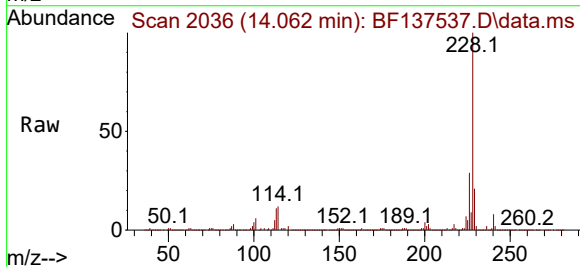
Instrument :
 BNA_F
 ClientSampleId :
 COMP-1

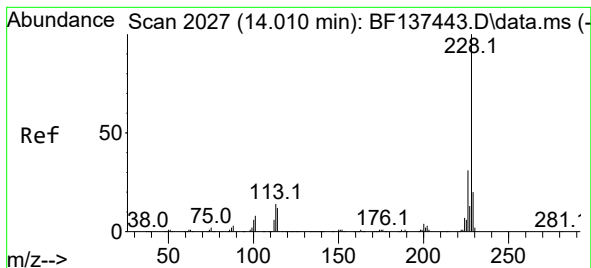
Tgt Ion:244 Resp: 1095794
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.2
 122 13.1 9.1 13.7



#81
 Benzo(a)anthracene
 Concen: 64.043 ng
 RT: 14.062 min Scan# 2036
 Delta R.T. 0.018 min
 Lab File: BF137537.D
 Acq: 07 Mar 2024 18:50

Tgt Ion:228 Resp: 1606673
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.3 33.5
 229 20.8 16.3 24.5





#83

Chrysene

Concen: 53.456 ng

RT: 14.098 min Scan# 2042

Delta R.T. 0.012 min

Lab File: BF137537.D

Acq: 07 Mar 2024 18:50

Instrument :

BNA_F

ClientSampleId :

COMP-1

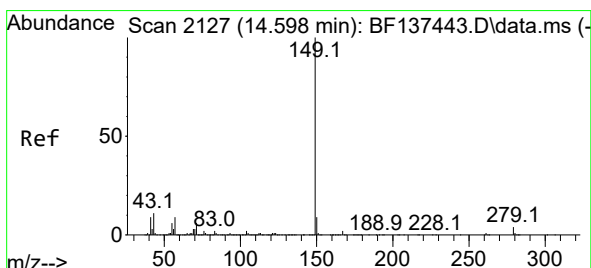
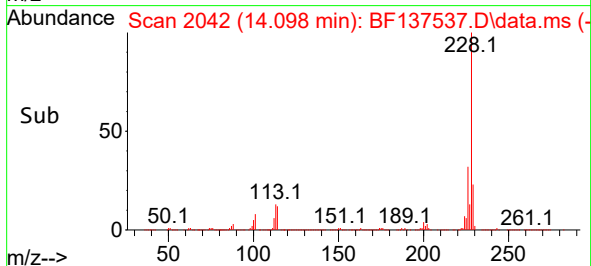
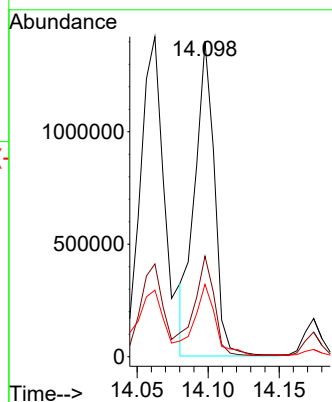
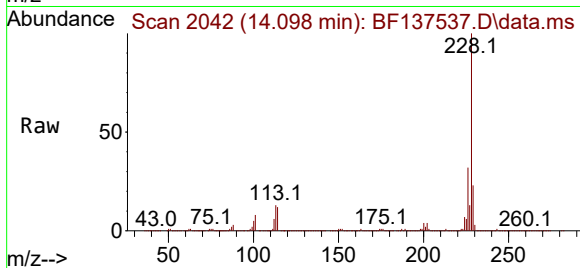
Tgt Ion:228 Resp: 1355408

Ion Ratio Lower Upper

228 100

226 31.9 24.7 37.1

229 23.0 15.9 23.9



#85

Di-n-octyl phthalate

Concen: 5.625 ng

RT: 14.668 min Scan# 2139

Delta R.T. 0.000 min

Lab File: BF137537.D

Acq: 07 Mar 2024 18:50

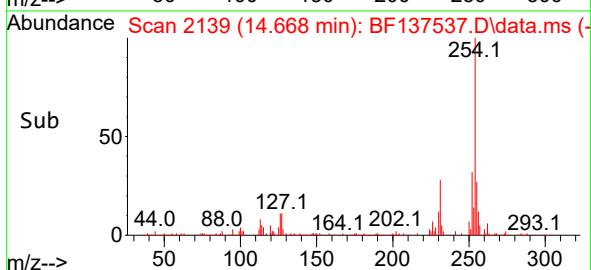
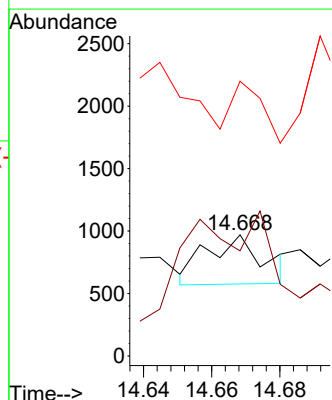
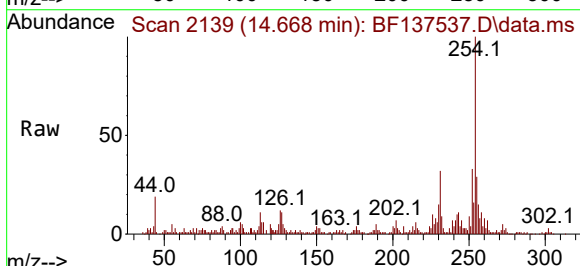
Tgt Ion:149 Resp: 459

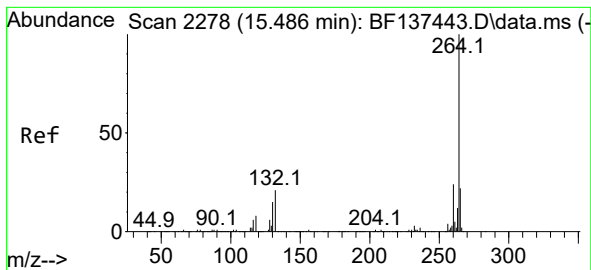
Ion Ratio Lower Upper

149 100

167 364.7 1.2 1.8#

43 0.0 9.6 14.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.615 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF137537.D

Acq: 07 Mar 2024 18:50

Instrument :

BNA_F

ClientSampleId :

COMP-1

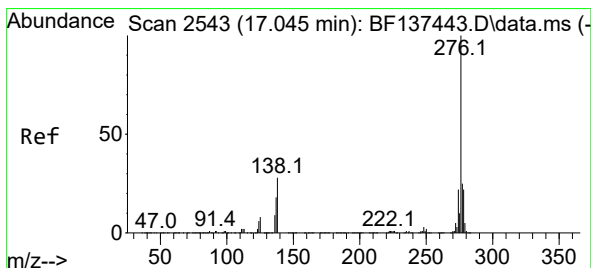
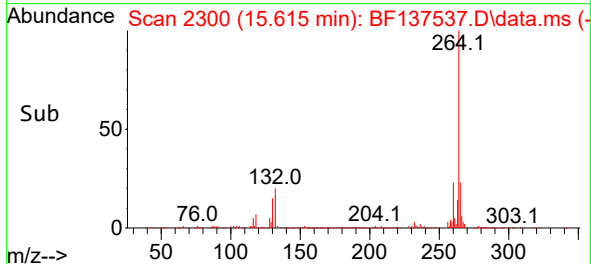
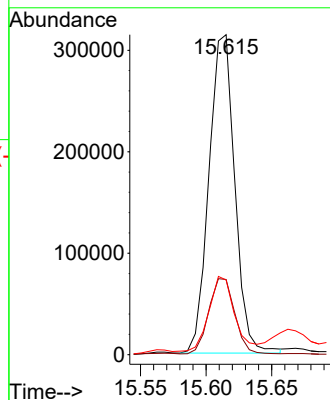
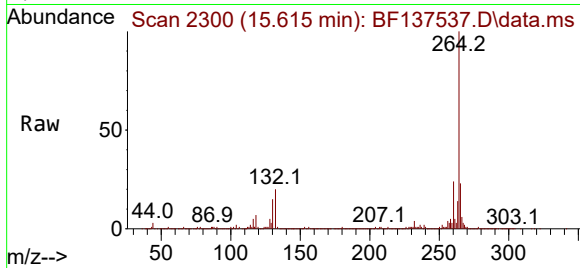
Tgt Ion:264 Resp: 430257

Ion Ratio Lower Upper

264 100

260 23.5 19.3 28.9

265 23.4 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 21.375 ng

RT: 17.215 min Scan# 2572

Delta R.T. 0.029 min

Lab File: BF137537.D

Acq: 07 Mar 2024 18:50

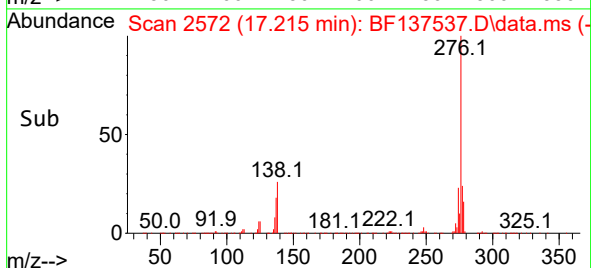
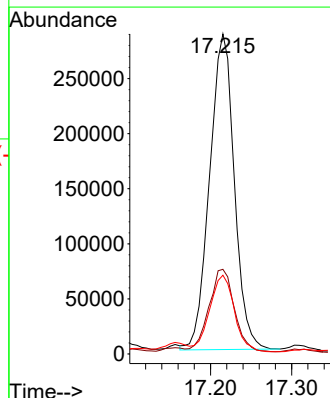
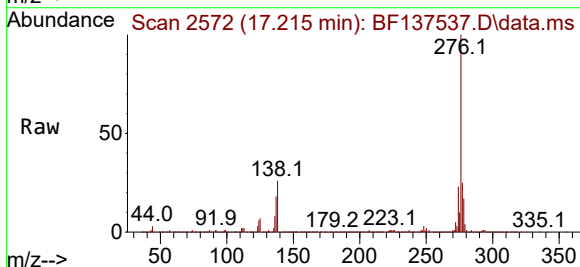
Tgt Ion:276 Resp: 605217

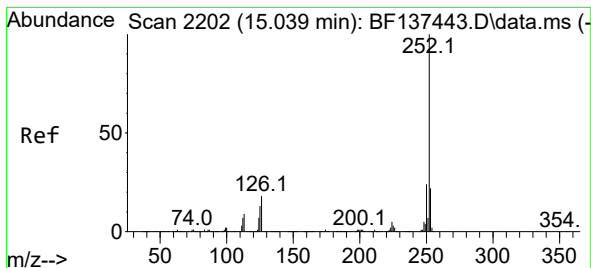
Ion Ratio Lower Upper

276 100

138 26.8 25.8 38.8

277 24.5 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 99.412 ng

RT: 15.157 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF137537.D

Acq: 07 Mar 2024 18:50

Instrument :

BNA_F

ClientSampleId :

COMP-1

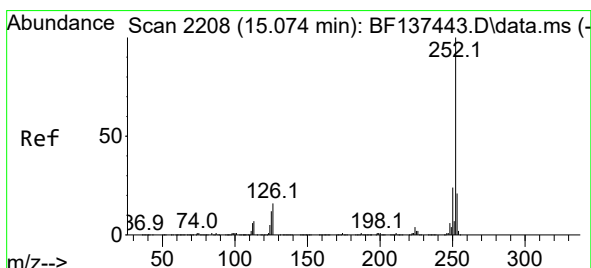
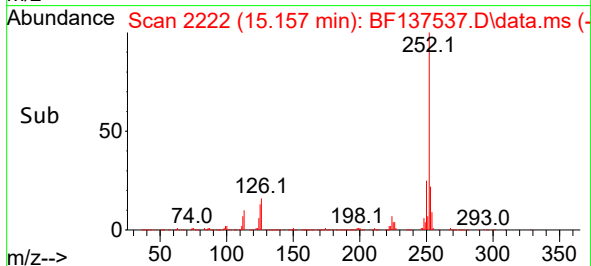
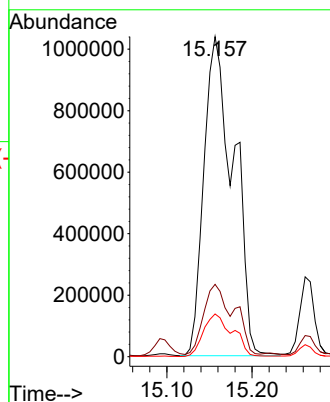
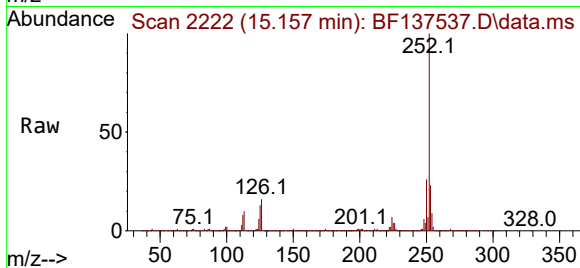
Tgt Ion:252 Resp: 2530169

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 13.4 10.1 15.1



#89

Benzo(k)fluoranthene

Concen: 92.554 ng

RT: 15.157 min Scan# 2222

Delta R.T. -0.006 min

Lab File: BF137537.D

Acq: 07 Mar 2024 18:50

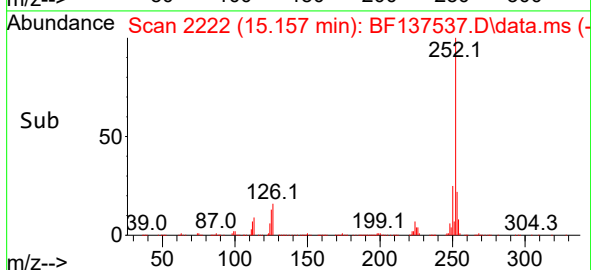
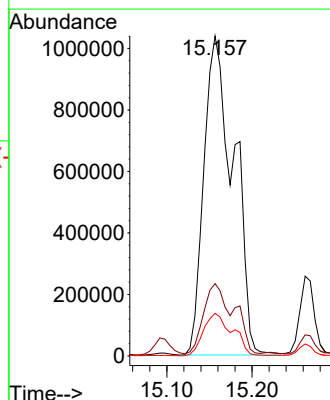
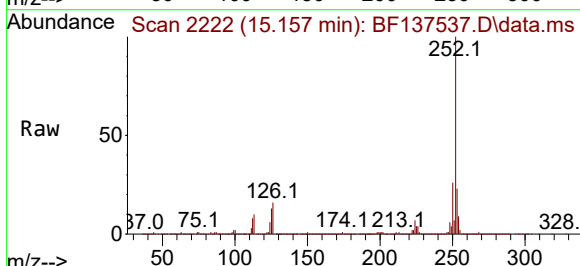
Tgt Ion:252 Resp: 2530169

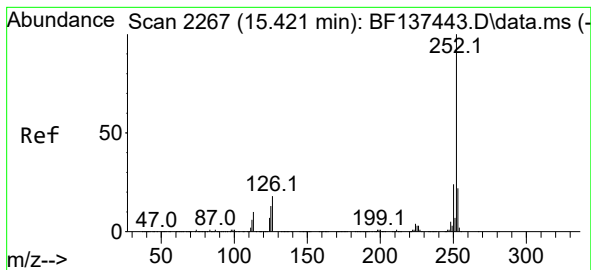
Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

125 13.4 9.6 14.4





#90

Benzo(a)pyrene

Concen: 56.656 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF137537.D

Acq: 07 Mar 2024 18:50

Instrument :

BNA_F

ClientSampleId :

COMP-1

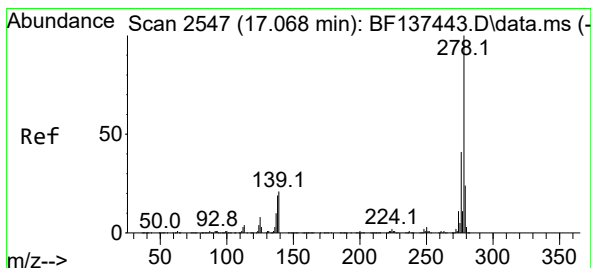
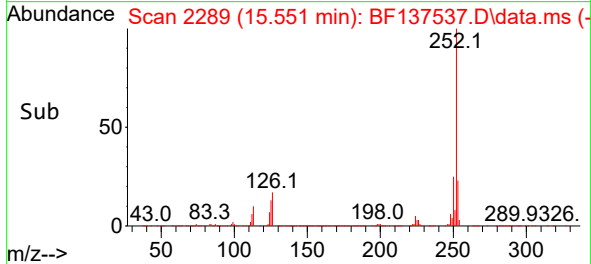
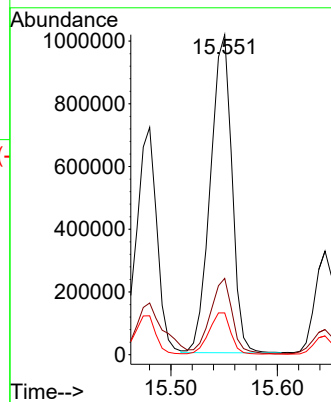
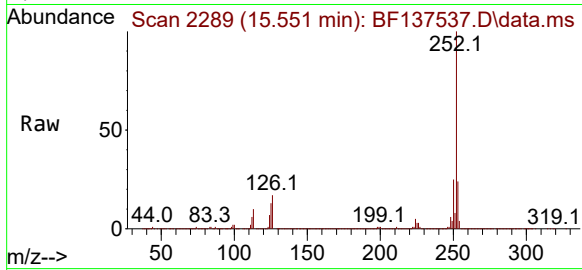
Tgt Ion:252 Resp: 1420994

Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.2

125 13.1 10.4 15.6



#91

Dibenzo(a,h)anthracene

Concen: 6.637 ng

RT: 17.227 min Scan# 2574

Delta R.T. 0.018 min

Lab File: BF137537.D

Acq: 07 Mar 2024 18:50

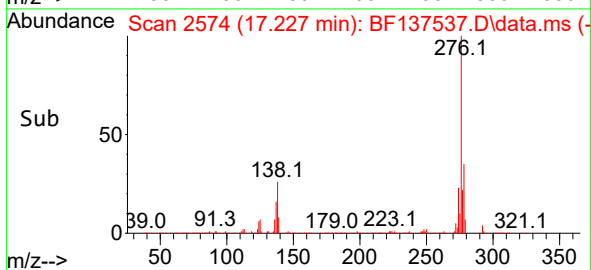
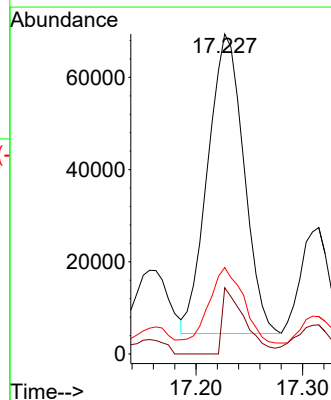
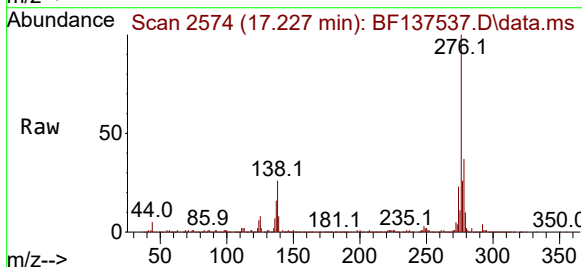
Tgt Ion:278 Resp: 152433

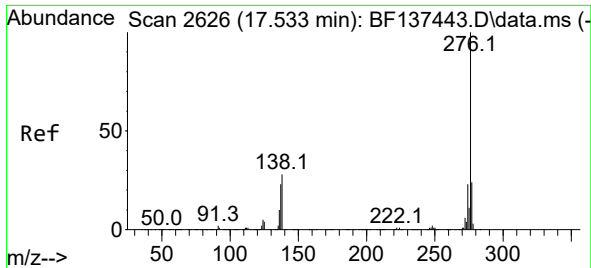
Ion Ratio Lower Upper

278 100

139 20.7 17.0 25.6

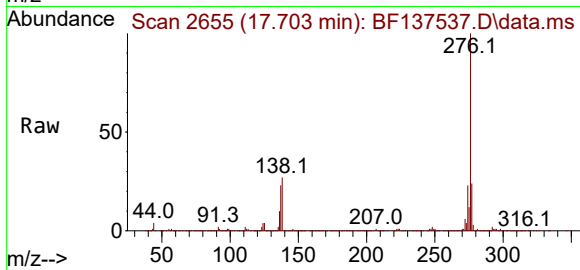
279 27.0 18.8 28.2





#92
Benzo(g,h,i)perylene
Concen: 23.116 ng
RT: 17.703 min Scan# 20
Delta R.T. 0.029 min
Lab File: BF137537.D
Acq: 07 Mar 2024 18:50

Instrument :
BNA_F
ClientSampleId :
COMP-1



Tgt Ion:276 Resp: 545272
Ion Ratio Lower Upper
276 100
277 24.1 19.0 28.4
138 27.2 22.2 33.2

