

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031124\
 Data File : BF137567.D
 Acq On : 11 Mar 2024 20:49
 Operator : CG\JU
 Sample : P1701-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RCA-2-COMP

Quant Time: Mar 12 02:08:10 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 12 02:00:03 2024
 Response via : Initial Calibration

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

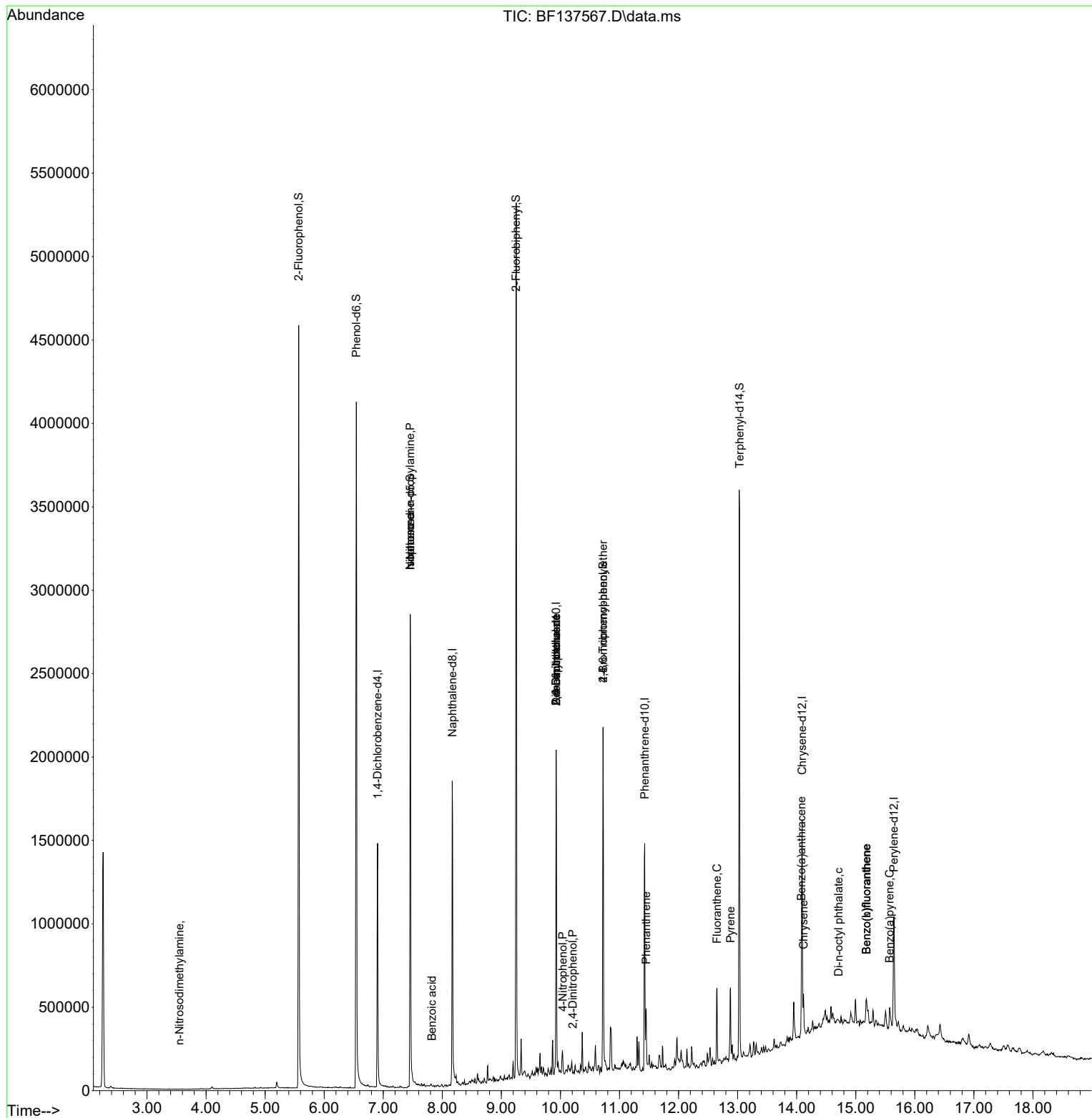
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	222176	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	838941	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	394470	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	534915	20.000	ng	0.00
76) Chrysene-d12	14.092	240	426941	20.000	ng	0.00
86) Perylene-d12	15.645	264	345132	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	1256056	85.623	ng	0.00
7) Phenol-d6	6.545	99	1696425	80.114	ng	-0.01
23) Nitrobenzene-d5	7.457	82	1014350	56.179	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	240165	69.329	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	1585949	62.935	ng	0.00
79) Terphenyl-d14	13.033	244	1287090	41.455	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.551	42	56	3.815	ng	# 1
19) n-Nitroso-di-n-propyla...	7.457	70	131852	10.084	ng	# 81
25) Isophorone	7.457	82	1014213	29.567	ng	# 69
32) Benzoic acid	7.822	122	59	6.305	ng	# 55
50) Dimethylphthalate	9.927	163	64847	2.362	ng	# 1
51) 2,6-Dinitrotoluene	9.927	165	53124	9.249	ng	# 21
54) 2,4-Dinitrophenol	10.210	184	83	8.252	ng	# 24
56) 4-Nitrophenol	10.039	139	1235	4.796	ng	# 1
57) 2,4-Dinitrotoluene	9.927	165	53124	7.529	ng	# 22
67) 4-Bromophenyl-phenylether	10.722	248	16559	2.842	ng	# 1
71) Phenanthrene	11.451	178	139783	4.802	ng	99
75) Fluoranthene	12.651	202	197337	6.935	ng	97
78) Pyrene	12.880	202	193715	4.624	ng	98
81) Benzo(a)anthracene	14.080	228	96567	3.227	ng	97
83) Chrysene	14.115	228	91171	3.015	ng	98
85) Di-n-octyl phthalate	14.710	149	1430	5.655	ng	# 1
88) Benzo(b)fluoranthene	15.180	252	122093	5.980	ng	# 93
89) Benzo(k)fluoranthene	15.180	252	122093	5.568	ng	# 92
90) Benzo(a)pyrene	15.574	252	58549	2.910	ng	# 90

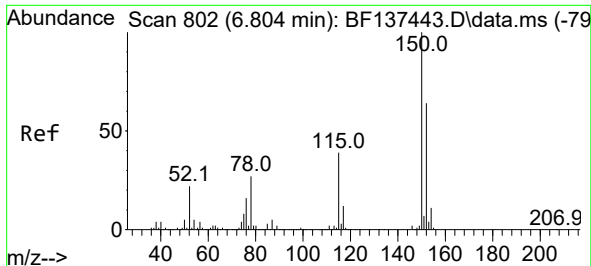
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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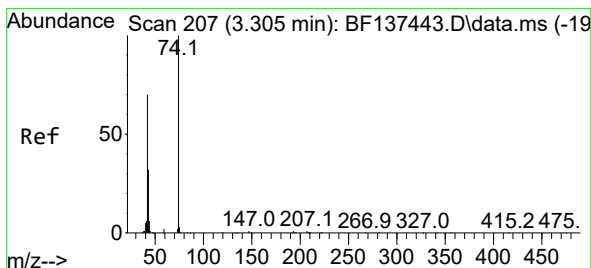
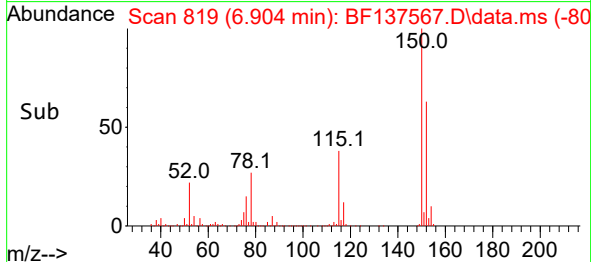
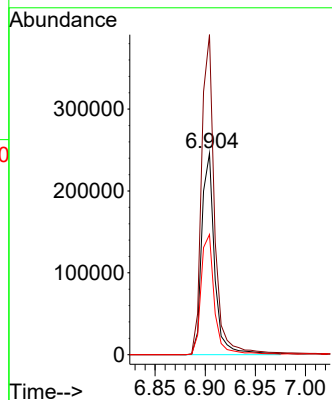
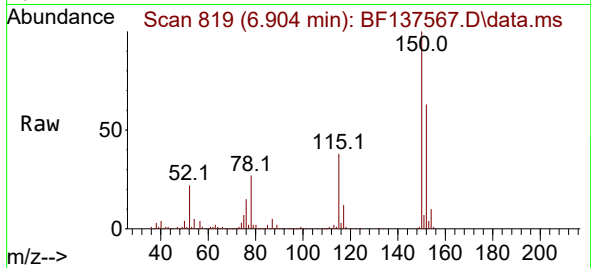




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF137567.D
Acq: 11 Mar 2024 20:49

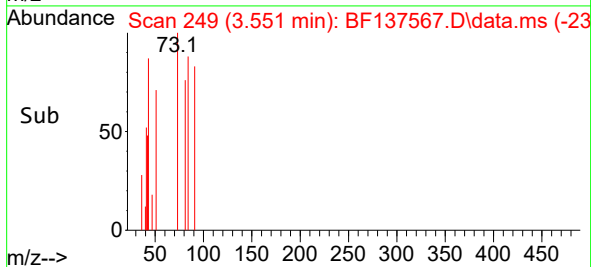
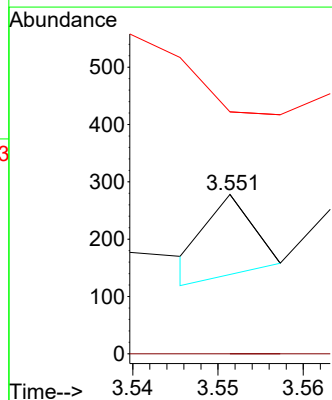
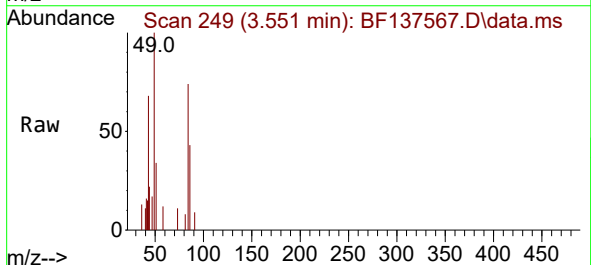
Instrument :
BNA_F
ClientSampleId :
RCA-2-COMP

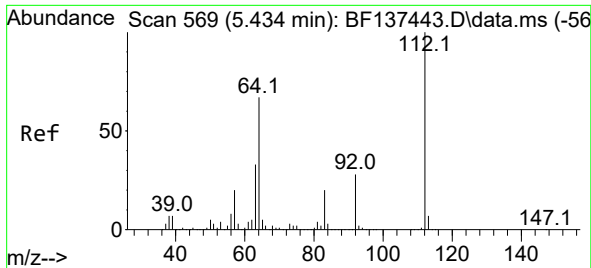
Tgt Ion:152 Resp: 222176
Ion Ratio Lower Upper
152 100
150 159.0 125.8 188.6
115 59.7 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.815 ng
RT: 3.551 min Scan# 249
Delta R.T. -0.018 min
Lab File: BF137567.D
Acq: 11 Mar 2024 20:49

Tgt Ion: 42 Resp: 56
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 151.8 7.0 10.4#

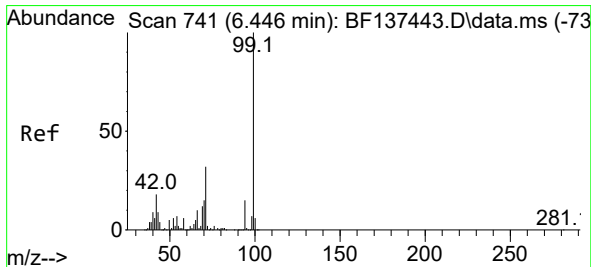
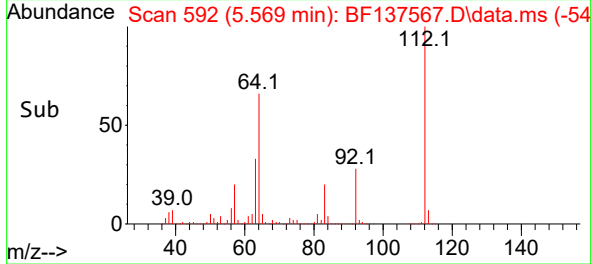
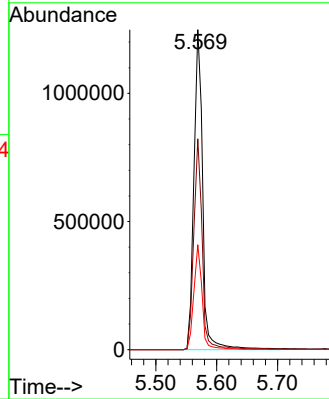
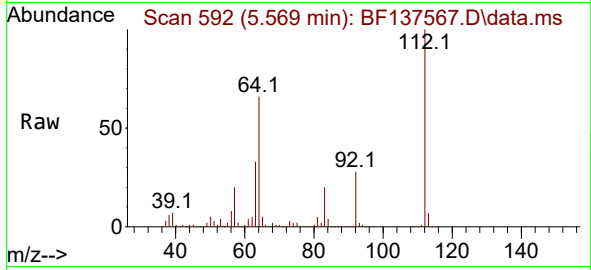




#5
2-Fluorophenol
Concen: 85.623 ng
RT: 5.569 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF137567.D
Acq: 11 Mar 2024 20:49

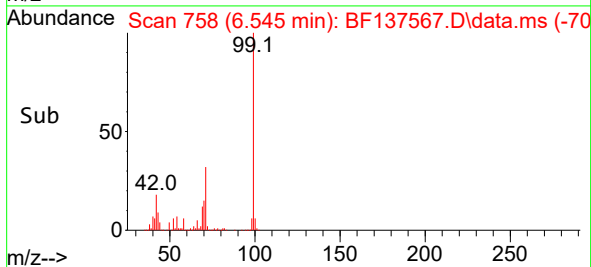
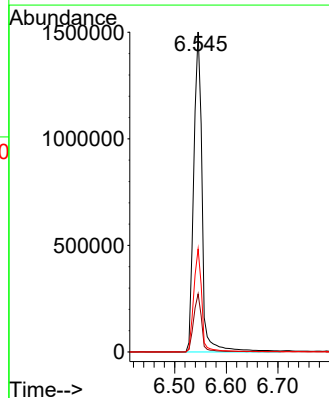
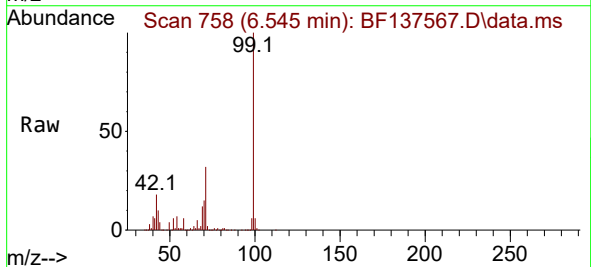
Instrument :
BNA_F
ClientSampleId :
RCA-2-COMP

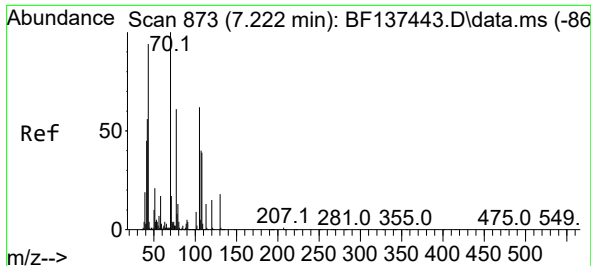
Tgt Ion:112 Resp: 1256056
Ion Ratio Lower Upper
112 100
64 65.9 53.4 80.2
63 32.8 26.2 39.2



#7
Phenol-d6
Concen: 80.114 ng
RT: 6.545 min Scan# 758
Delta R.T. -0.012 min
Lab File: BF137567.D
Acq: 11 Mar 2024 20:49

Tgt Ion: 99 Resp: 1696425
Ion Ratio Lower Upper
99 100
42 18.1 14.6 21.8
71 32.2 25.3 37.9





#19

n-Nitroso-di-n-propylamine

Concen: 10.084 ng

RT: 7.457 min Scan# 91

Delta R.T. 0.135 min

Lab File: BF137567.D

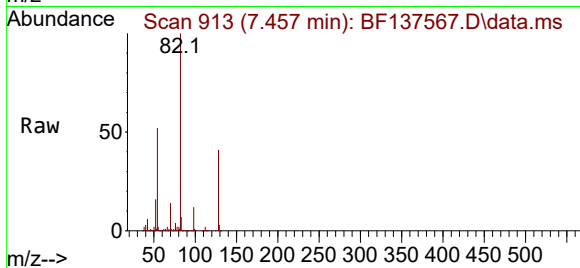
Acq: 11 Mar 2024 20:49

Instrument :

BNA_F

ClientSampleId :

RCA-2-COMP



Tgt Ion: 70 Resp: 131852

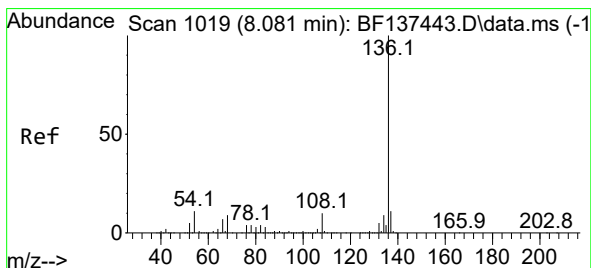
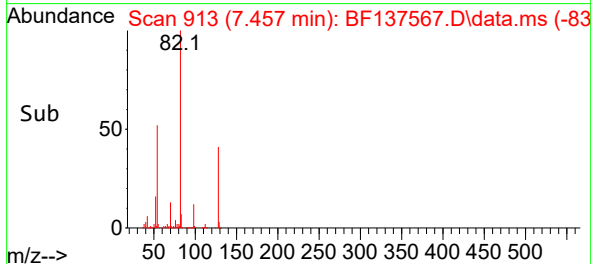
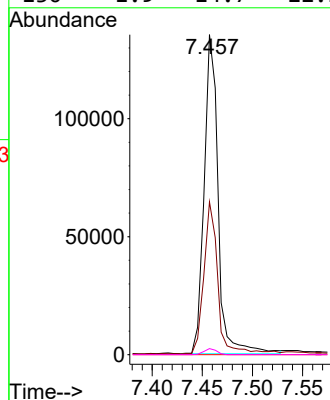
Ion Ratio Lower Upper

70 100

42 47.8 45.2 67.8

101 0.0 7.3 10.9#

130 1.9 14.7 22.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1034

Delta R.T. -0.006 min

Lab File: BF137567.D

Acq: 11 Mar 2024 20:49

Tgt Ion: 136 Resp: 838941

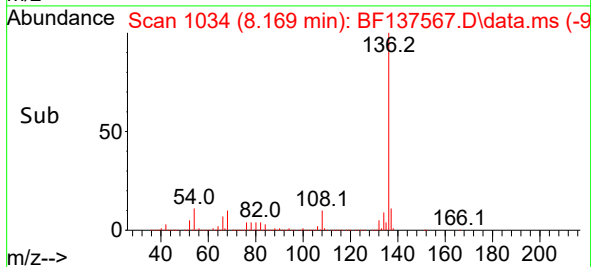
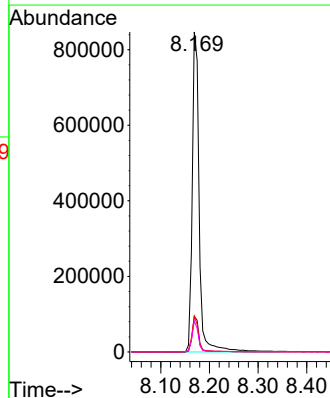
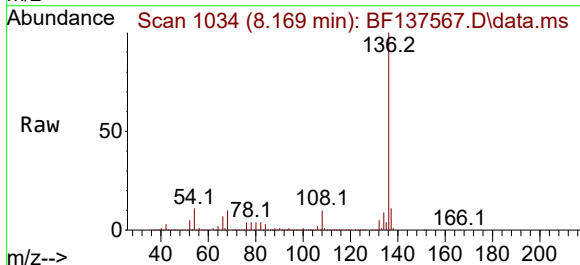
Ion Ratio Lower Upper

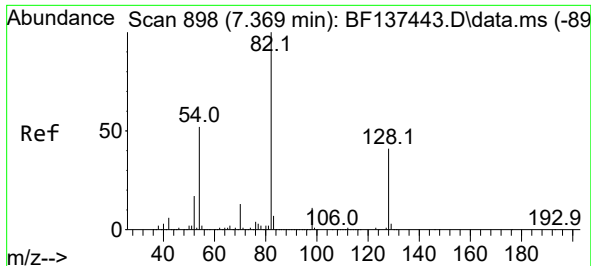
136 100

137 11.3 9.1 13.7

54 11.1 8.5 12.7

68 9.6 7.4 11.2





#23

Nitrobenzene-d5

Concen: 56.179 ng

RT: 7.457 min Scan# 913

Delta R.T. -0.012 min

Lab File: BF137567.D

Acq: 11 Mar 2024 20:49

Instrument :

BNA_F

ClientSampleId :

RCA-2-COMP

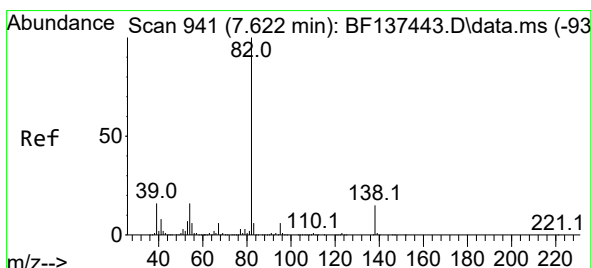
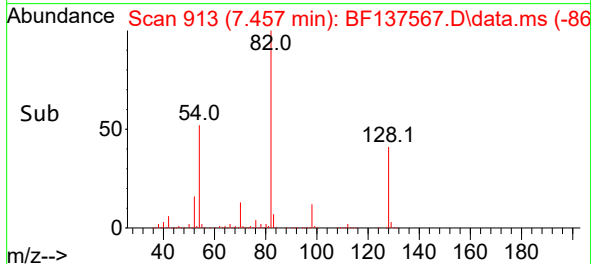
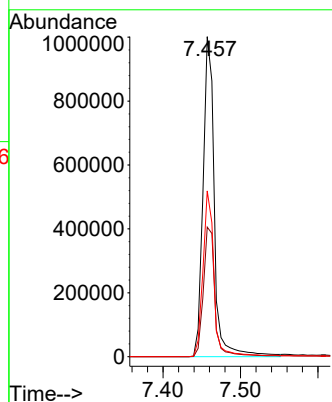
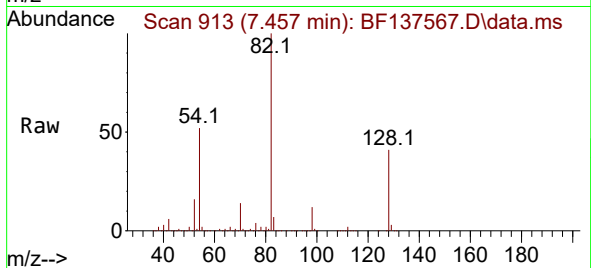
Tgt Ion: 82 Resp: 1014350

Ion Ratio Lower Upper

82 100

128 40.5 32.5 48.7

54 51.8 41.5 62.3



#25

Isophorone

Concen: 29.567 ng

RT: 7.457 min Scan# 913

Delta R.T. -0.265 min

Lab File: BF137567.D

Acq: 11 Mar 2024 20:49

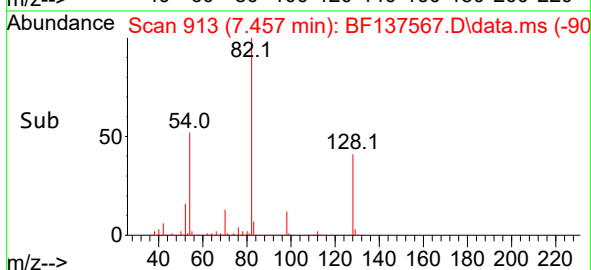
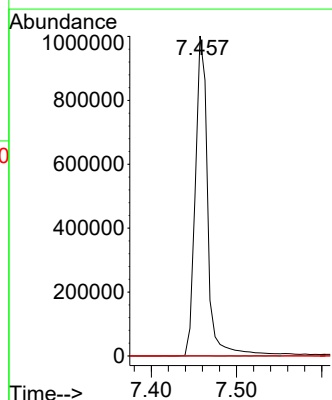
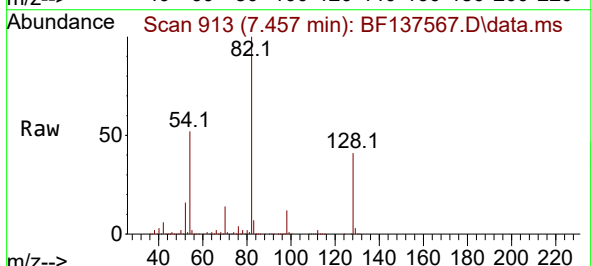
Tgt Ion: 82 Resp: 1014213

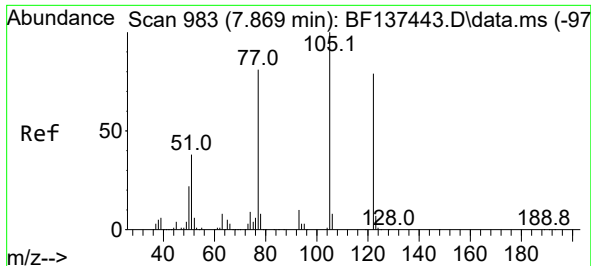
Ion Ratio Lower Upper

82 100

95 0.0 5.1 7.7#

138 0.0 11.8 17.8#

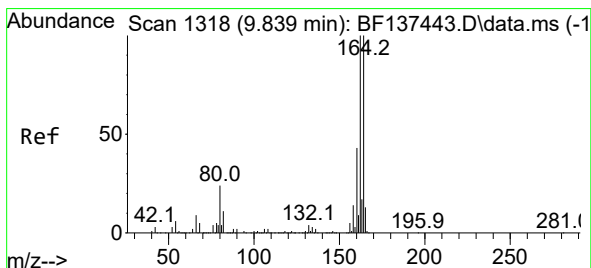
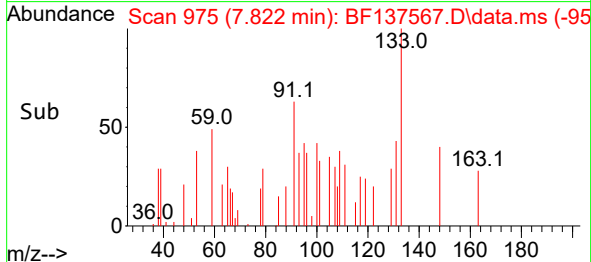
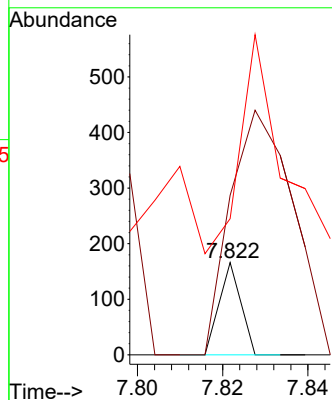
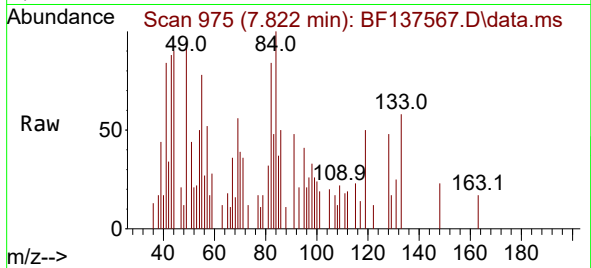




#32
Benzoic acid
Concen: 6.305 ng
RT: 7.822 min Scan# 91
Delta R.T. -0.159 min
Lab File: BF137567.D
Acq: 11 Mar 2024 20:49

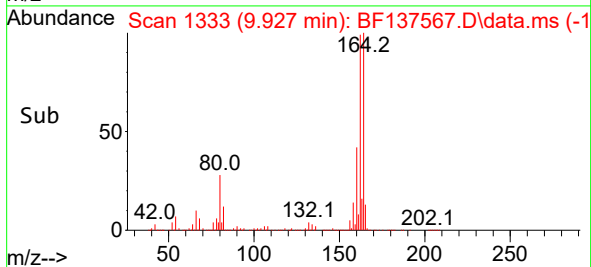
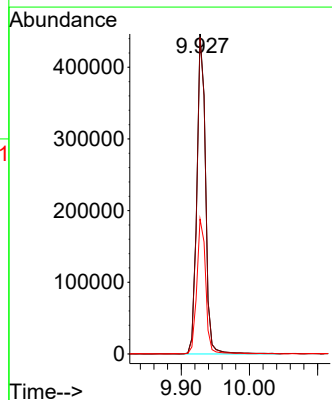
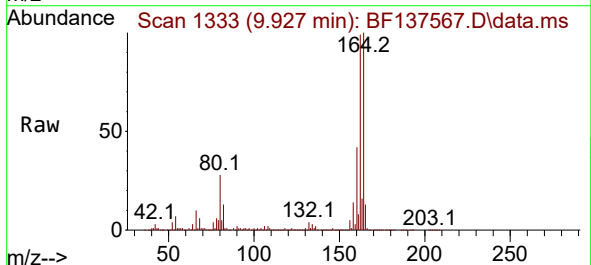
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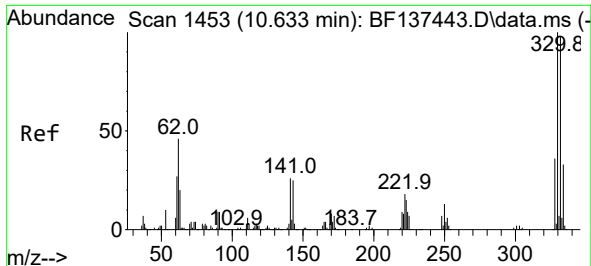
Tgt Ion:122 Resp: 59
Ion Ratio Lower Upper
122 100
105 172.9 102.4 142.4#
77 147.6 81.1 121.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF137567.D
Acq: 11 Mar 2024 20:49

Tgt Ion:164 Resp: 394470
Ion Ratio Lower Upper
164 100
162 99.0 79.8 119.8
160 42.1 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 69.329 ng

RT: 10.722 min Scan# 1453

Delta R.T. -0.012 min

Lab File: BF137567.D

Acq: 11 Mar 2024 20:49

Instrument :

BNA_F

ClientSampleId :

RCA-2-COMP

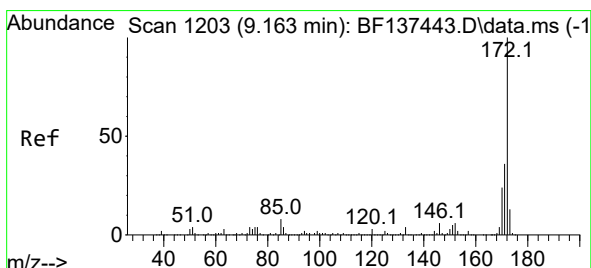
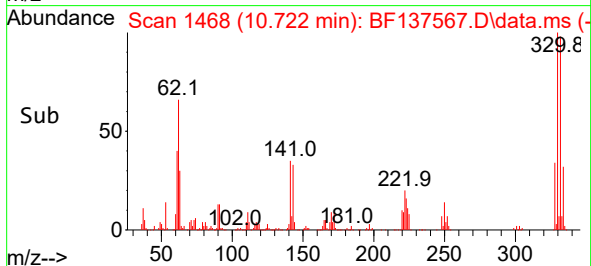
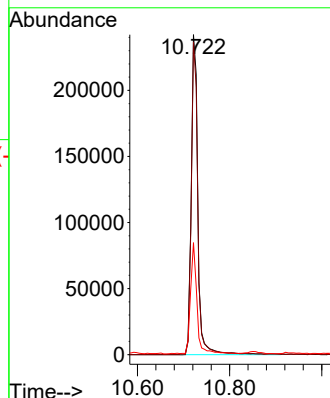
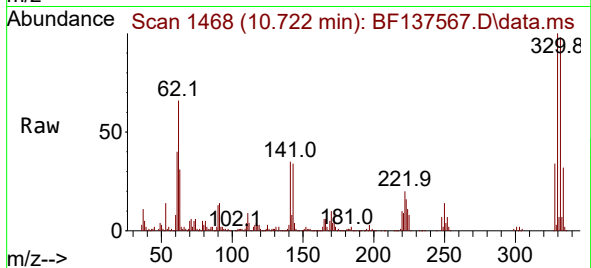
Tgt Ion:330 Resp: 240165

Ion Ratio Lower Upper

330 100

332 96.0 78.0 117.0

141 33.0 27.3 40.9



#45

2-Fluorobiphenyl

Concen: 62.935 ng

RT: 9.251 min Scan# 1218

Delta R.T. -0.006 min

Lab File: BF137567.D

Acq: 11 Mar 2024 20:49

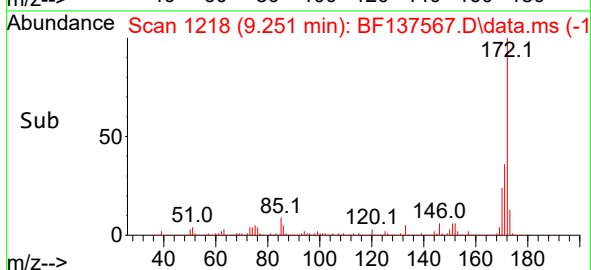
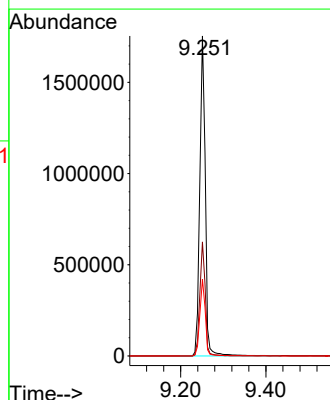
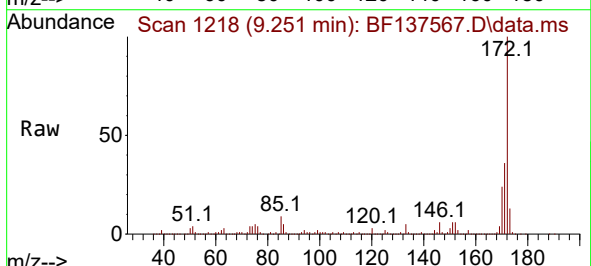
Tgt Ion:172 Resp: 1585949

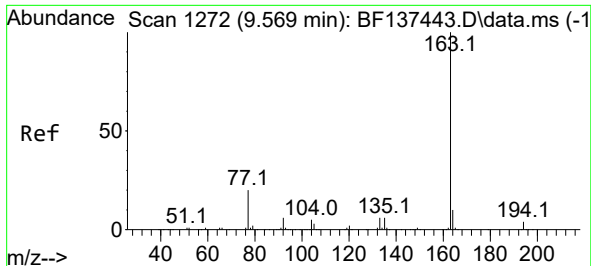
Ion Ratio Lower Upper

172 100

171 35.7 28.5 42.7

170 24.0 19.0 28.6

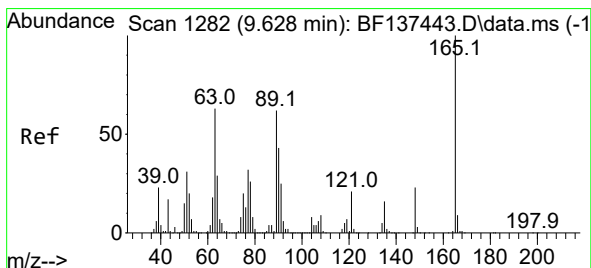
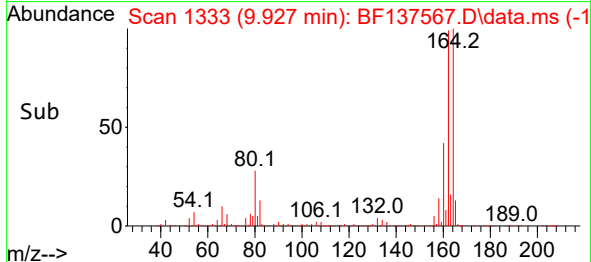
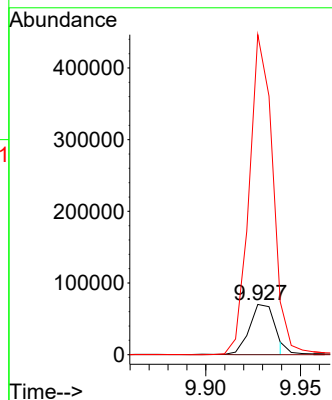
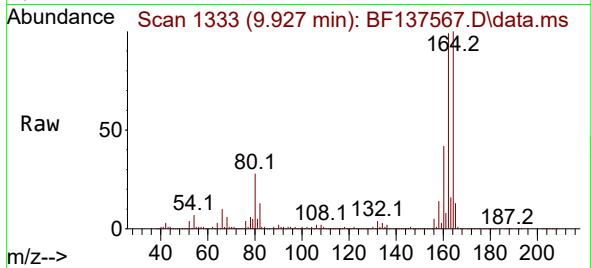




#50
Dimethylphthalate
Concen: 2.362 ng
RT: 9.927 min Scan# 1333
Delta R.T. 0.259 min
Lab File: BF137567.D
Acq: 11 Mar 2024 20:49

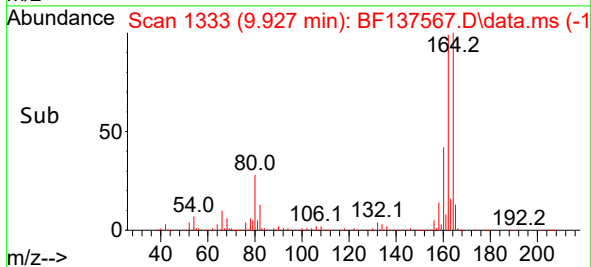
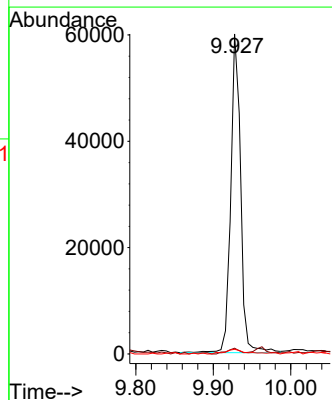
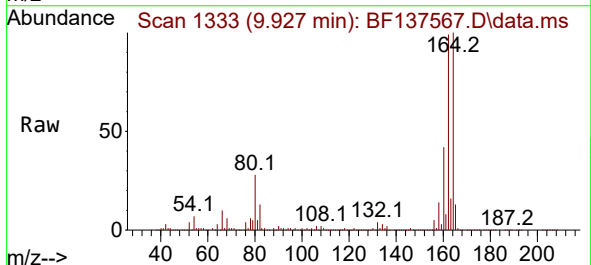
Instrument :
BNA_F
ClientSampleId :
RCA-2-COMP

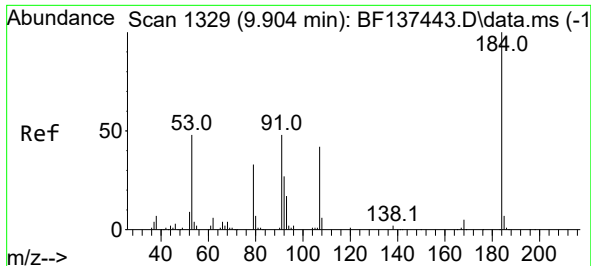
Tgt Ion:163 Resp: 64847
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 637.7 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 9.249 ng
RT: 9.927 min Scan# 1333
Delta R.T. 0.200 min
Lab File: BF137567.D
Acq: 11 Mar 2024 20:49

Tgt Ion:165 Resp: 53124
Ion Ratio Lower Upper
165 100
63 1.8 50.7 76.1#
89 1.5 50.0 75.0#

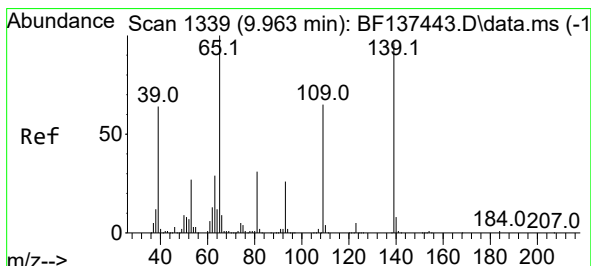
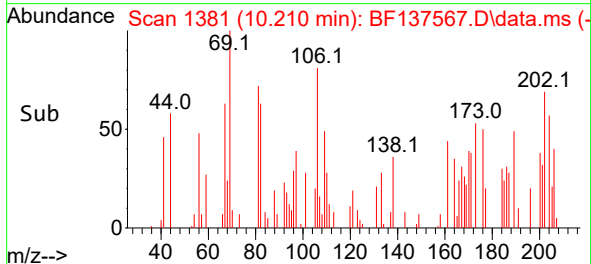
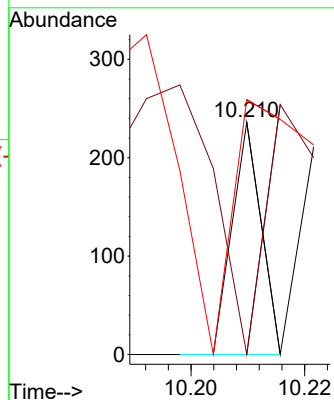
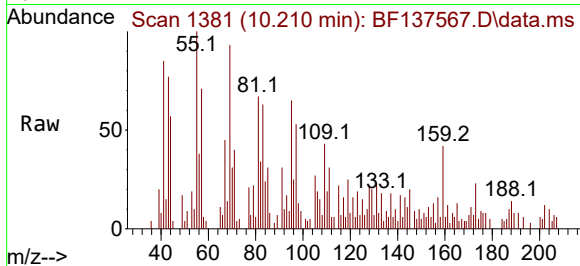




#54
2,4-Dinitrophenol
Concen: 8.252 ng
RT: 10.210 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF137567.D
Acq: 11 Mar 2024 20:49

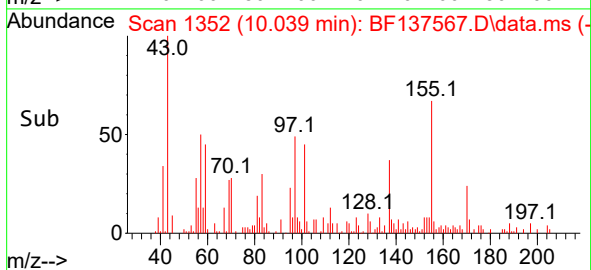
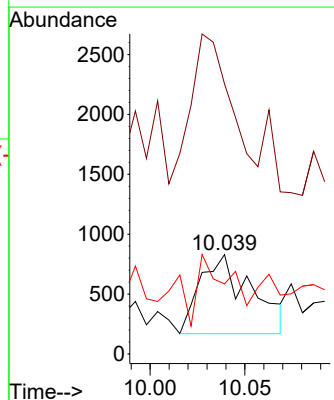
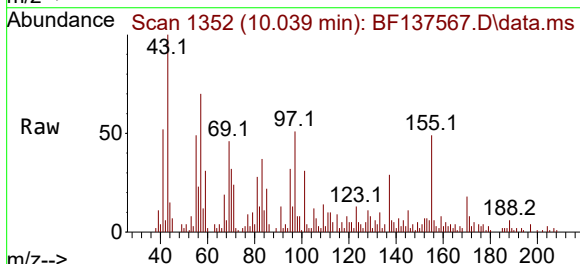
Instrument :
BNA_F
ClientSampleId :
RCA-2-COMP

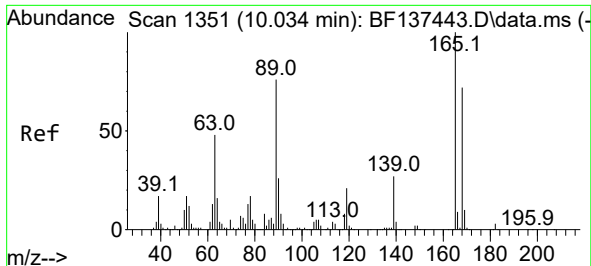
Tgt Ion:184 Resp: 83
Ion Ratio Lower Upper
184 100
63 0.0 53.3 79.9#
154 109.7 47.4 71.0#



#56
4-Nitrophenol
Concen: 4.796 ng
RT: 10.039 min Scan# 1352
Delta R.T. -0.024 min
Lab File: BF137567.D
Acq: 11 Mar 2024 20:49

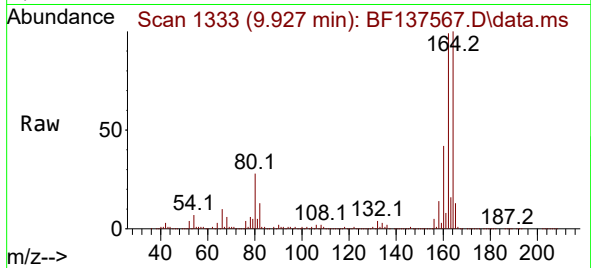
Tgt Ion:139 Resp: 1235
Ion Ratio Lower Upper
139 100
109 271.7 47.1 87.1#
65 70.5 85.1 125.1#



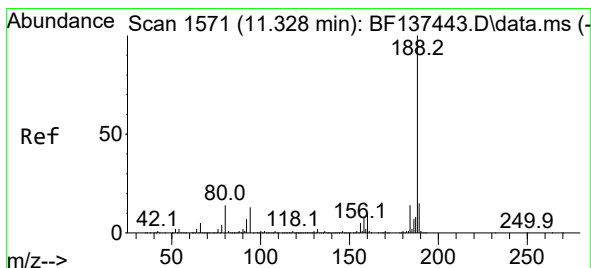
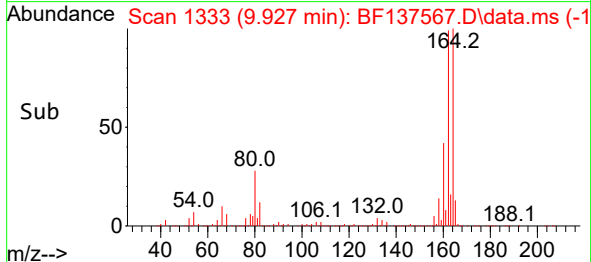
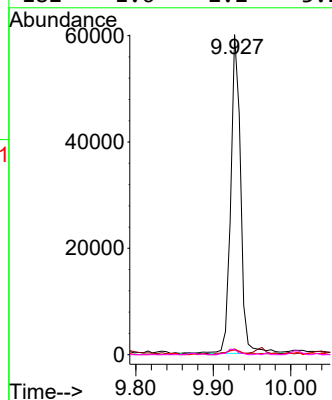


#57
2,4-Dinitrotoluene
Concen: 7.529 ng
RT: 9.927 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF137567.D
Acq: 11 Mar 2024 20:49

Instrument :
BNA_F
ClientSampleId :
RCA-2-COMP

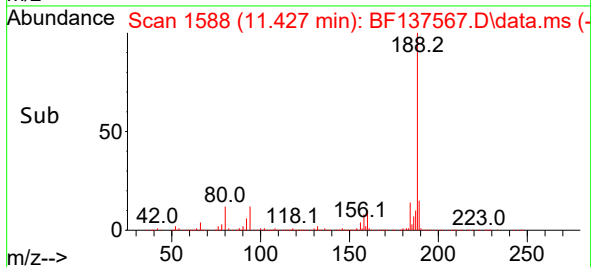
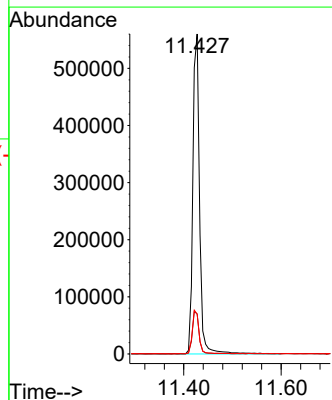
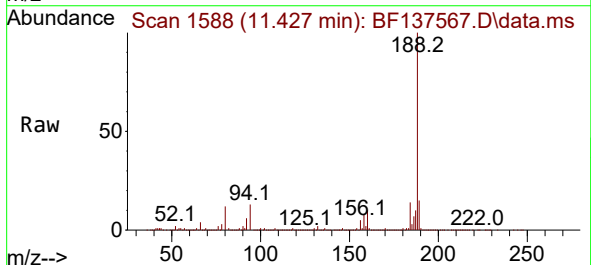


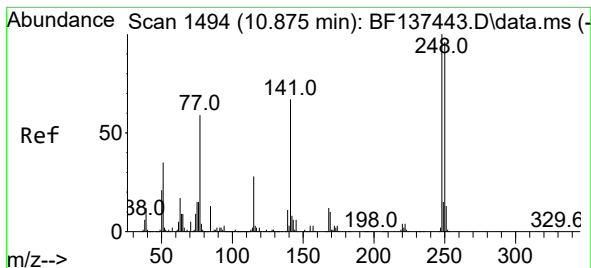
Tgt Ion:165 Resp: 53124
Ion Ratio Lower Upper
165 100
63 1.8 39.0 58.6#
89 1.5 60.9 91.3#
182 1.6 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF137567.D
Acq: 11 Mar 2024 20:49

Tgt Ion:188 Resp: 534915
Ion Ratio Lower Upper
188 100
94 12.5 10.6 15.8
80 12.4 11.5 17.3

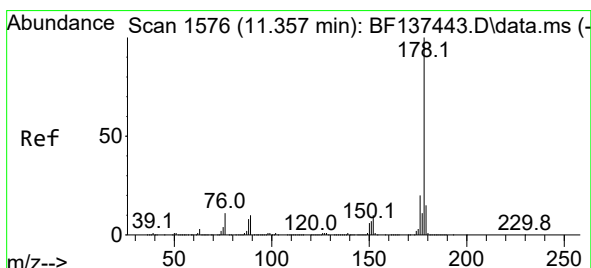
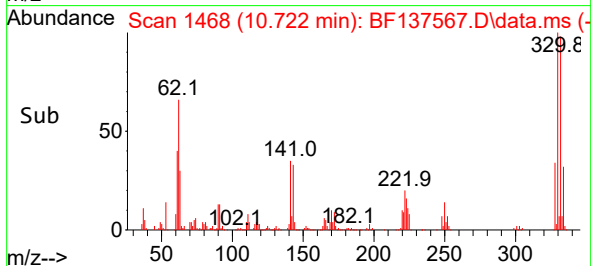
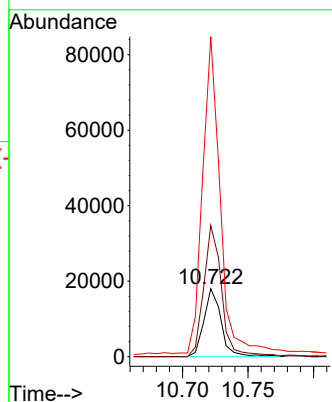
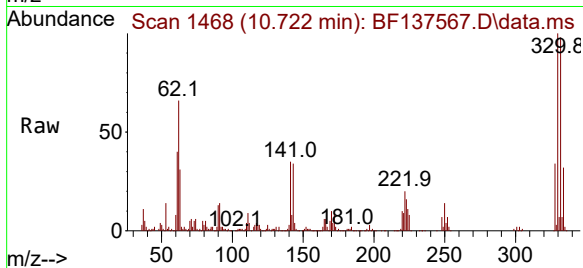




#67
4-Bromophenyl-phenylether
Concen: 2.842 ng
RT: 10.722 min Scan# 1468
Delta R.T. -0.253 min
Lab File: BF137567.D
Acq: 11 Mar 2024 20:49

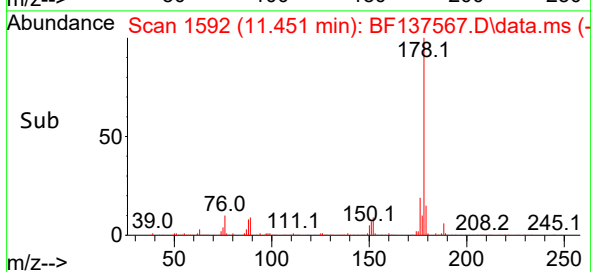
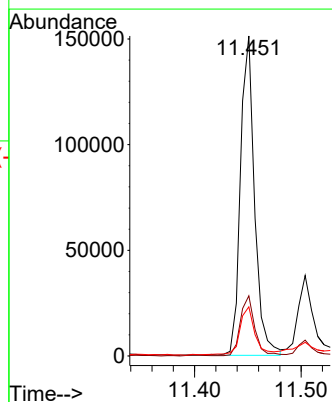
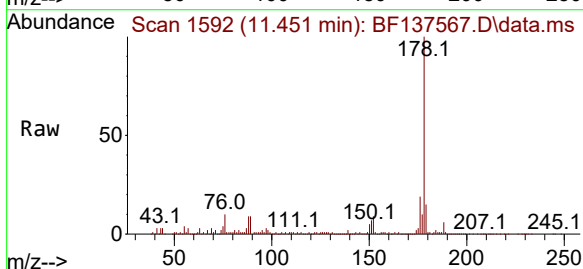
Instrument :
BNA_F
ClientSampleId :
RCA-2-COMP

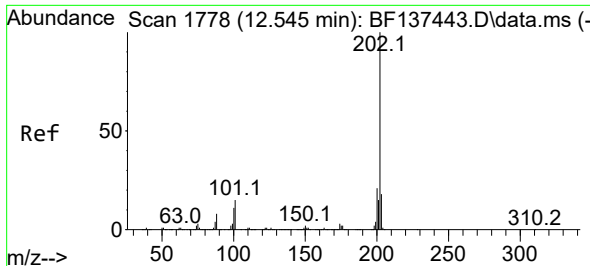
Tgt Ion:248 Resp: 16559
Ion Ratio Lower Upper
248 100
250 192.8 76.8 115.2#
141 470.4 53.4 80.0#



#71
Phenanthrene
Concen: 4.802 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF137567.D
Acq: 11 Mar 2024 20:49

Tgt Ion:178 Resp: 139783
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 15.4 12.2 18.2

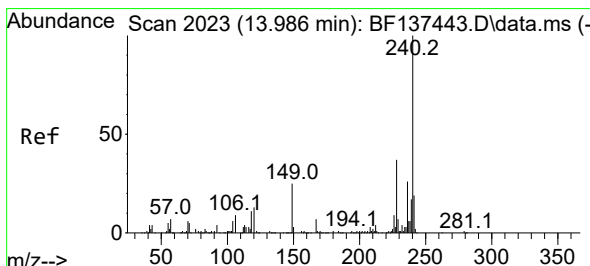
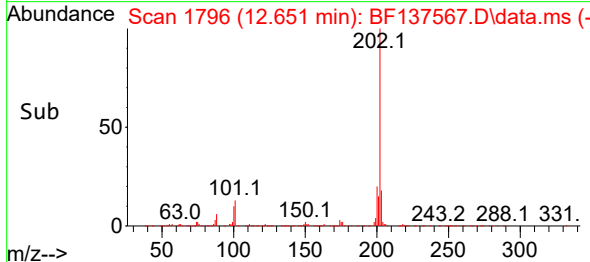
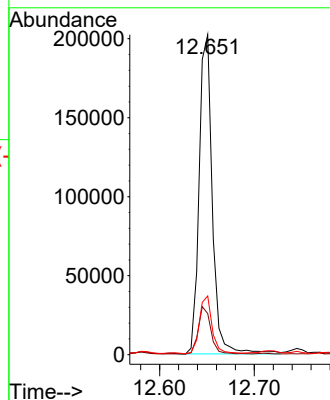
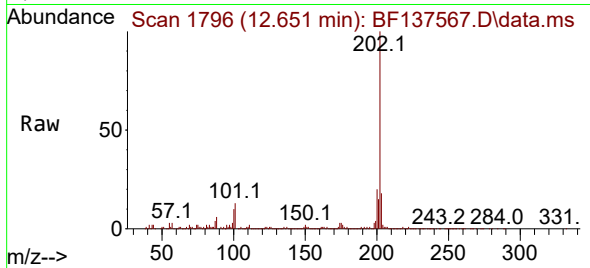




#75
Fluoranthene
Concen: 6.935 ng
RT: 12.651 min Scan# 1796
Delta R.T. -0.006 min
Lab File: BF137567.D
Acq: 11 Mar 2024 20:49

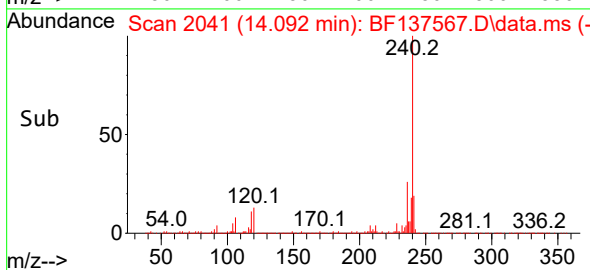
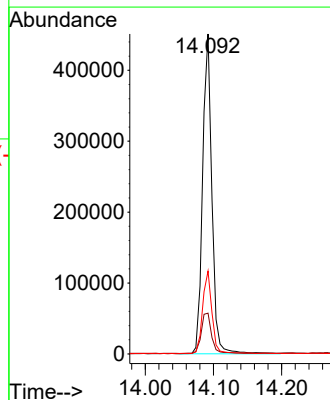
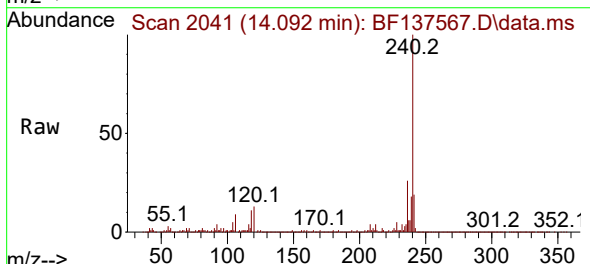
Instrument :
BNA_F
ClientSampleId :
RCA-2-COMP

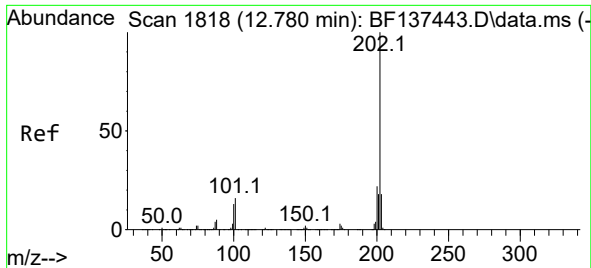
Tgt Ion:202 Resp: 197337
Ion Ratio Lower Upper
202 100
101 12.9 0.0 35.0
203 18.3 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2041
Delta R.T. -0.006 min
Lab File: BF137567.D
Acq: 11 Mar 2024 20:49

Tgt Ion:240 Resp: 426941
Ion Ratio Lower Upper
240 100
120 12.8 10.4 15.6
236 25.9 20.9 31.3

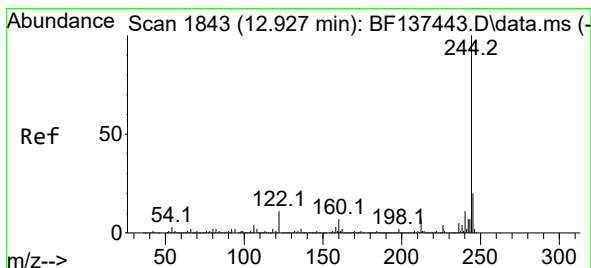
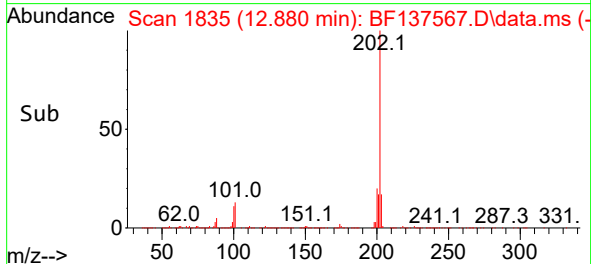
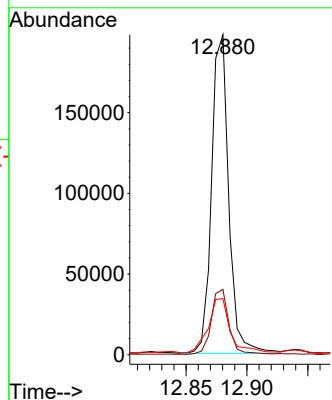
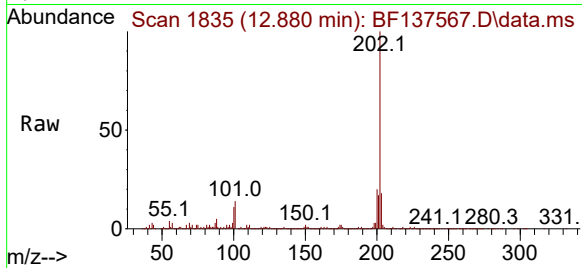




#78
Pyrene
Concen: 4.624 ng
RT: 12.880 min Scan# 1835
Delta R.T. -0.006 min
Lab File: BF137567.D
Acq: 11 Mar 2024 20:49

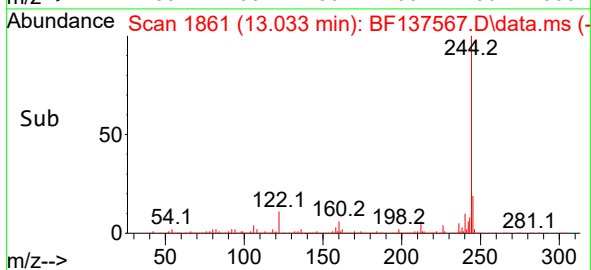
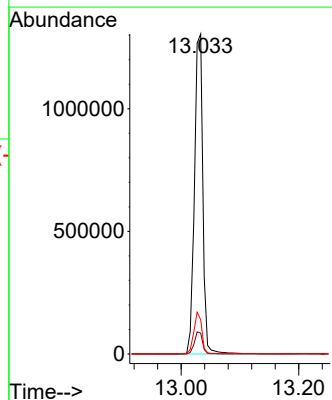
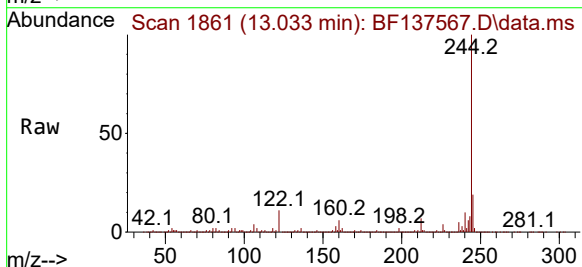
Instrument :
BNA_F
ClientSampleId :
RCA-2-COMP

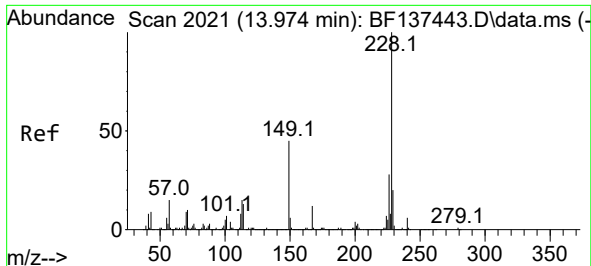
Tgt Ion:202 Resp: 193715
Ion Ratio Lower Upper
202 100
200 20.4 17.4 26.2
203 17.5 14.1 21.1



#79
Terphenyl-d14
Concen: 41.455 ng
RT: 13.033 min Scan# 1861
Delta R.T. -0.006 min
Lab File: BF137567.D
Acq: 11 Mar 2024 20:49

Tgt Ion:244 Resp: 1287090
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.2
122 10.7 9.1 13.7

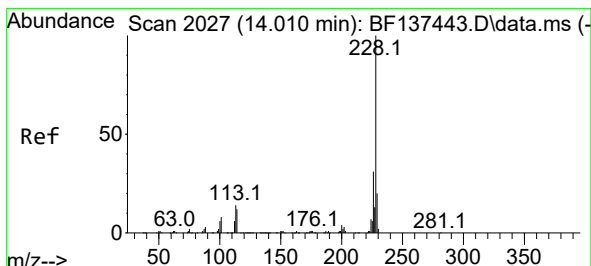
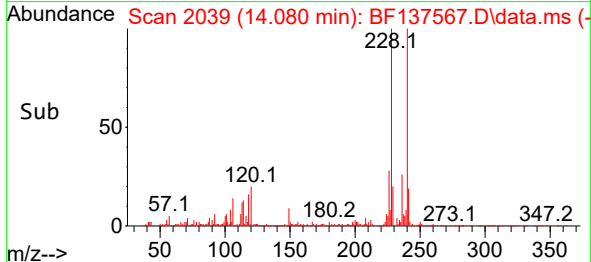
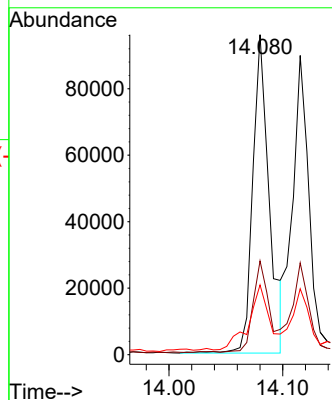
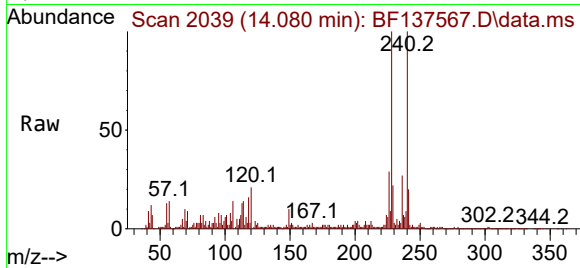




#81
Benzo(a)anthracene
Concen: 3.227 ng
RT: 14.080 min Scan# 2045
Delta R.T. -0.006 min
Lab File: BF137567.D
Acq: 11 Mar 2024 20:49

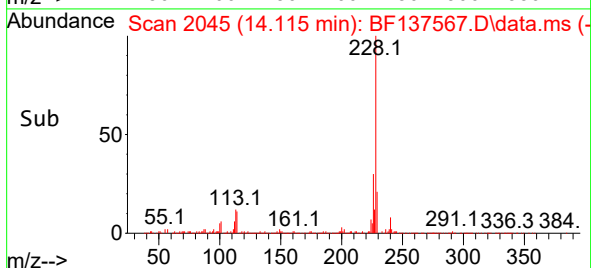
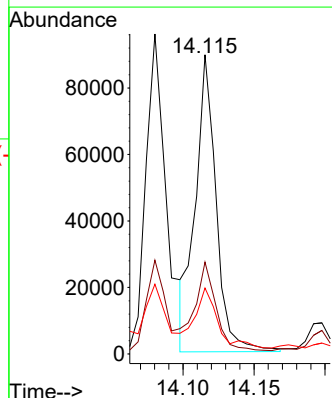
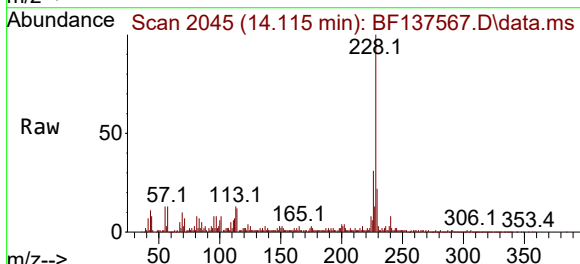
Instrument :
BNA_F
ClientSampleId :
RCA-2-COMP

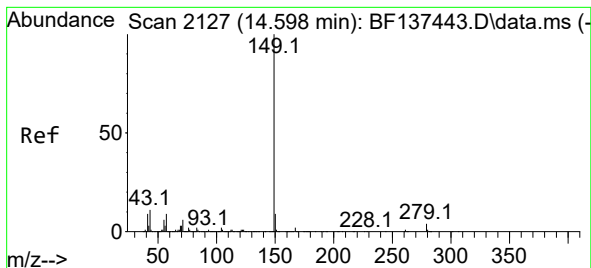
Tgt Ion:228 Resp: 96567
Ion Ratio Lower Upper
228 100
226 29.3 22.3 33.5
229 21.8 16.3 24.5



#83
Chrysene
Concen: 3.015 ng
RT: 14.115 min Scan# 2045
Delta R.T. -0.012 min
Lab File: BF137567.D
Acq: 11 Mar 2024 20:49

Tgt Ion:228 Resp: 91171
Ion Ratio Lower Upper
228 100
226 30.7 24.7 37.1
229 22.1 15.9 23.9





#85

Di-n-octyl phthalate

Concen: 5.655 ng

RT: 14.710 min Scan# 2146

Delta R.T. -0.006 min

Lab File: BF137567.D

Acq: 11 Mar 2024 20:49

Instrument :

BNA_F

ClientSampleId :

RCA-2-COMP

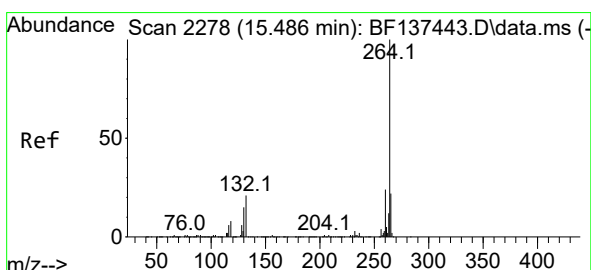
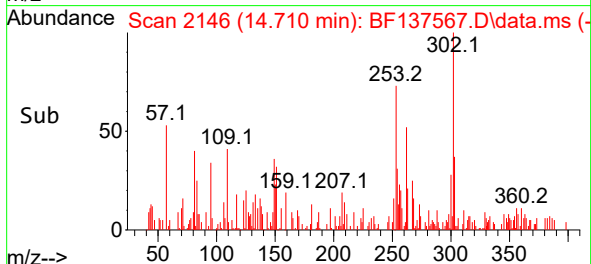
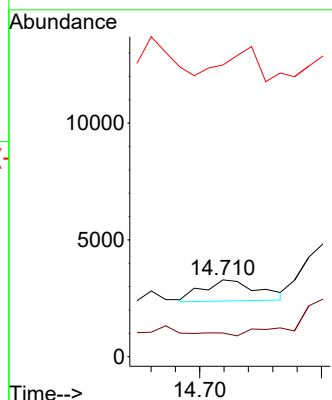
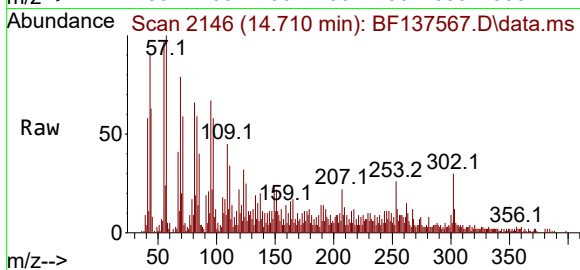
Tgt Ion:149 Resp: 1430

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 125.1 9.6 14.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.645 min Scan# 2305

Delta R.T. -0.006 min

Lab File: BF137567.D

Acq: 11 Mar 2024 20:49

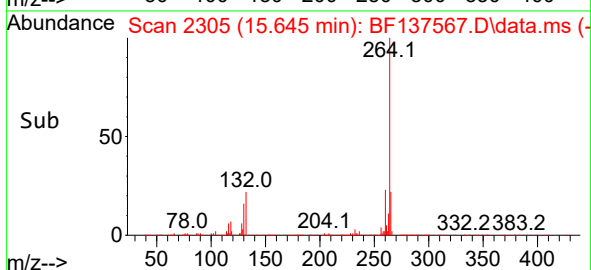
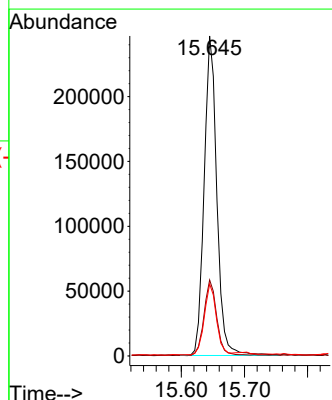
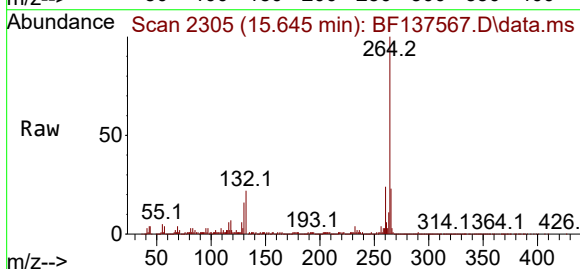
Tgt Ion:264 Resp: 345132

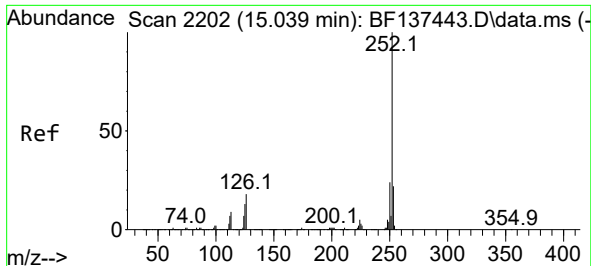
Ion Ratio Lower Upper

264 100

260 23.7 19.3 28.9

265 22.5 17.4 26.0

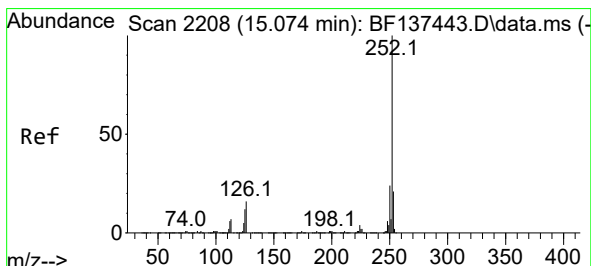
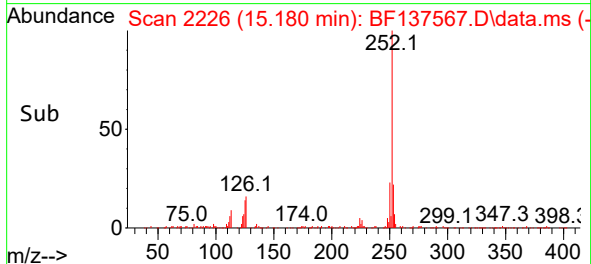
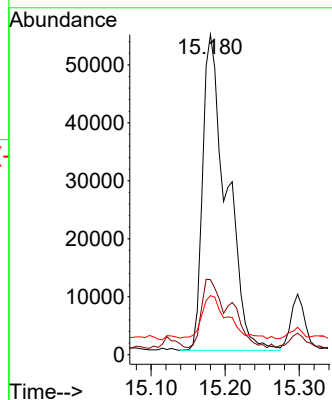
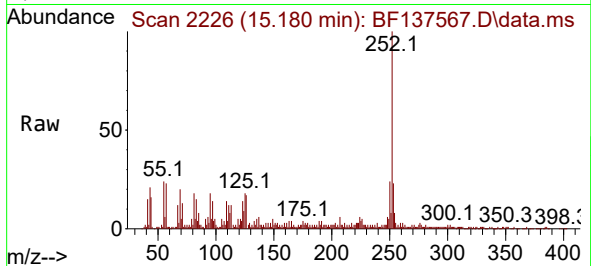




#88
Benzo(b)fluoranthene
Concen: 5.980 ng
RT: 15.180 min Scan# 211
Delta R.T. -0.006 min
Lab File: BF137567.D
Acq: 11 Mar 2024 20:49

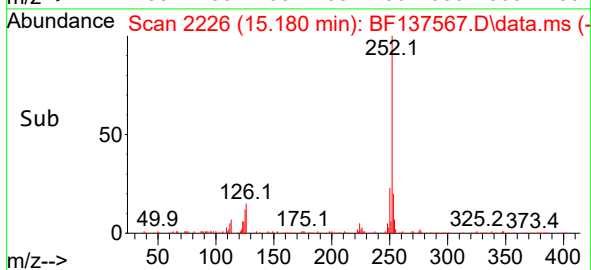
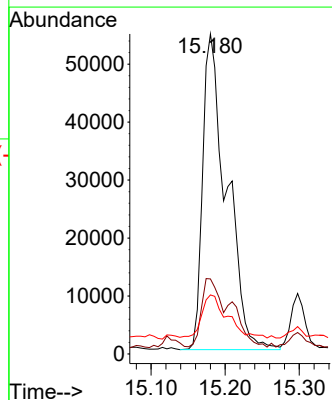
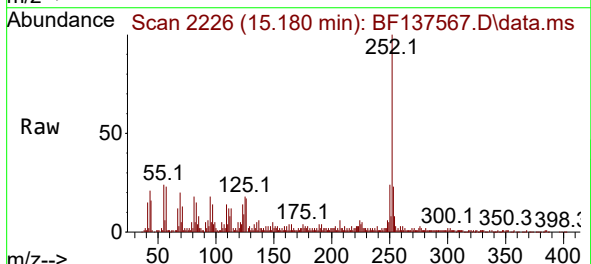
Instrument :
BNA_F
ClientSampleId :
RCA-2-COMP

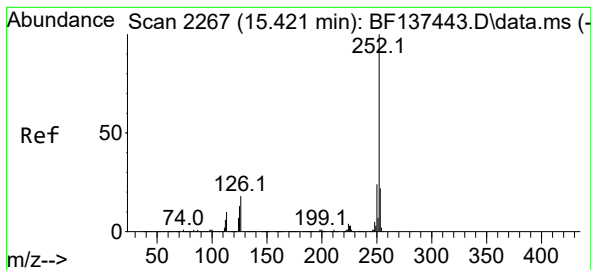
Tgt Ion:252 Resp: 122093
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 18.4 10.1 15.1#



#89
Benzo(k)fluoranthene
Concen: 5.568 ng
RT: 15.180 min Scan# 2226
Delta R.T. -0.035 min
Lab File: BF137567.D
Acq: 11 Mar 2024 20:49

Tgt Ion:252 Resp: 122093
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 18.4 9.6 14.4#





#90

Benzo(a)pyrene

Concen: 2.910 ng

RT: 15.574 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF137567.D

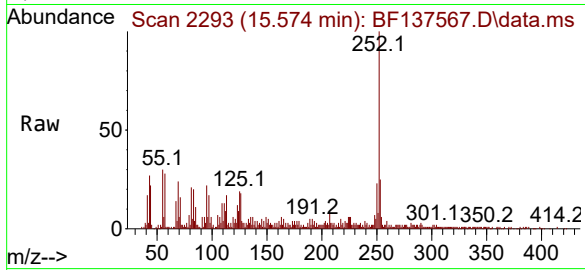
Acq: 11 Mar 2024 20:49

Instrument :

BNA_F

ClientSampleId :

RCA-2-COMP



Tgt Ion:252 Resp: 58549

Ion Ratio Lower Upper

252 100

253 25.2 17.4 26.2

125 18.9 10.4 15.6#

