

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031124\
 Data File : BF137566.D
 Acq On : 11 Mar 2024 20:18
 Operator : CG\JU
 Sample : P1701-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RCA-1-COMP

Quant Time: Mar 12 02:07:49 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

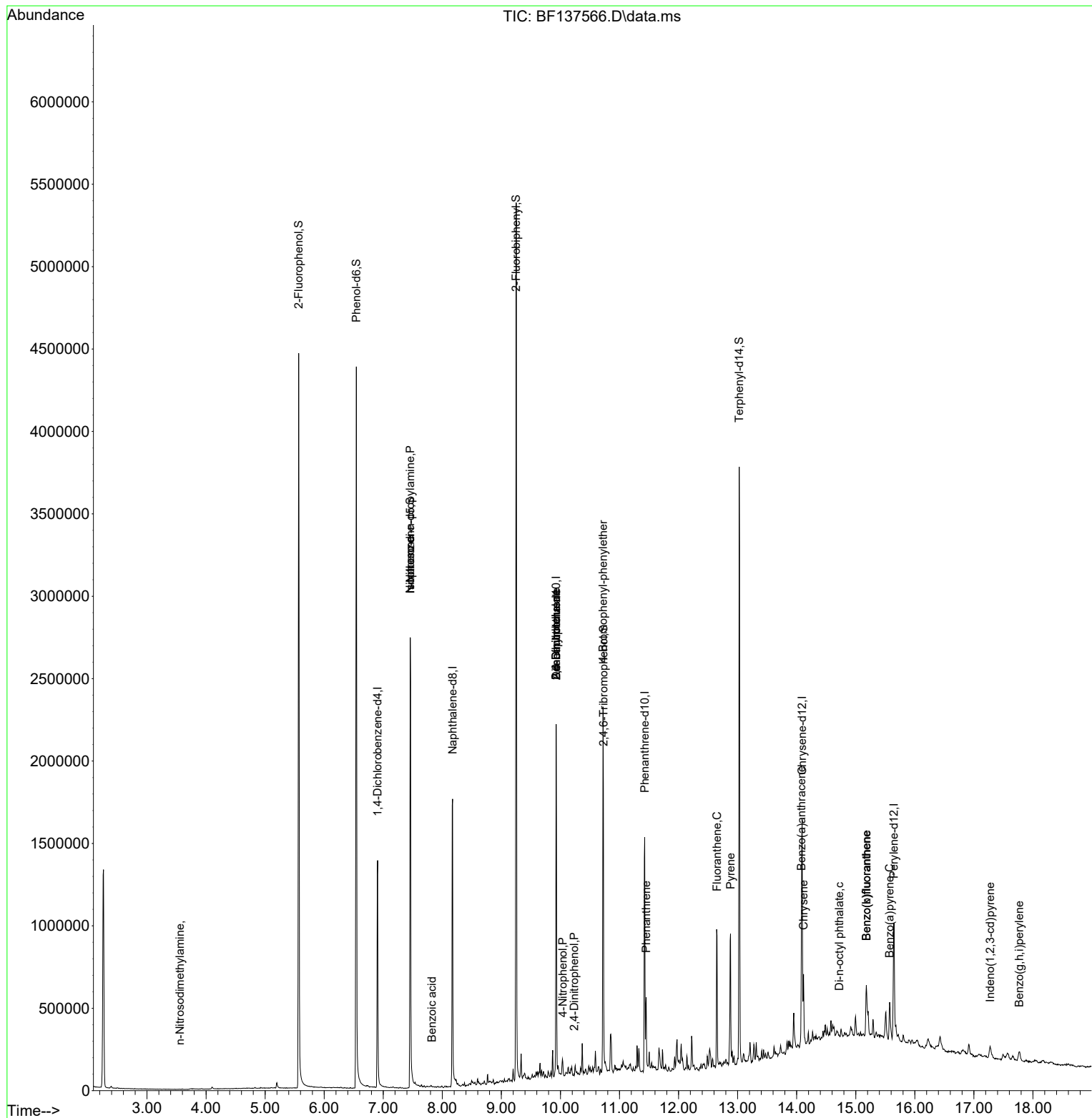
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	221877	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	842269	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	416923	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	564163	20.000	ng	0.00
76) Chrysene-d12	14.092	240	422779	20.000	ng	0.00
86) Perylene-d12	15.645	264	358260	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	1238453	84.537	ng	0.00
7) Phenol-d6	6.545	99	1672485	79.090	ng	-0.01
23) Nitrobenzene-d5	7.457	82	1040077	57.376	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	259871	70.978	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1644344	61.738	ng	0.00
79) Terphenyl-d14	13.027	244	1308775	42.568	ng	-0.01
Target Compounds						
4) n-Nitrosodimethylamine	3.557	42	237	3.836	ng	# 1
19) n-Nitroso-di-n-propyla...	7.457	70	130624	10.003	ng	# 81
25) Isophorone	7.457	82	1042586	30.274	ng	# 69
32) Benzoic acid	7.822	122	63	6.306	ng	# 88
50) Dimethylphthalate	9.927	163	68709	2.367	ng	# 1
51) 2,6-Dinitrotoluene	9.927	165	55828	9.197	ng	# 21
54) 2,4-Dinitrophenol	10.233	184	138	8.267	ng	# 1
56) 4-Nitrophenol	10.039	139	846	4.701	ng	# 1
57) 2,4-Dinitrotoluene	9.927	165	55828	7.486	ng	# 21
67) 4-Bromophenyl-phenylether	10.721	248	17623	2.868	ng	# 1
71) Phenanthrene	11.451	178	167994	5.472	ng	98
75) Fluoranthene	12.651	202	358235	11.937	ng	97
78) Pyrene	12.880	202	342742	8.262	ng	98
81) Benzo(a)anthracene	14.080	228	190866	6.441	ng	99
83) Chrysene	14.115	228	164064	5.478	ng	97
85) Di-n-octyl phthalate	14.721	149	1201	5.648	ng	# 72
87) Indeno(1,2,3-cd)pyrene	17.274	276	58660	2.488	ng	95
88) Benzo(b)fluoranthene	15.180	252	240774	11.361	ng	98
89) Benzo(k)fluoranthene	15.180	252	240774	10.578	ng	96
90) Benzo(a)pyrene	15.574	252	125464	6.008	ng	97
92) Benzo(g,h,i)perylene	17.768	276	59127	3.010	ng	98

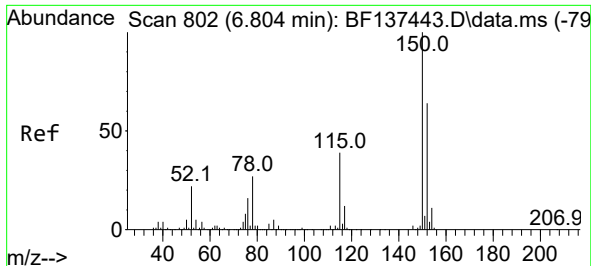
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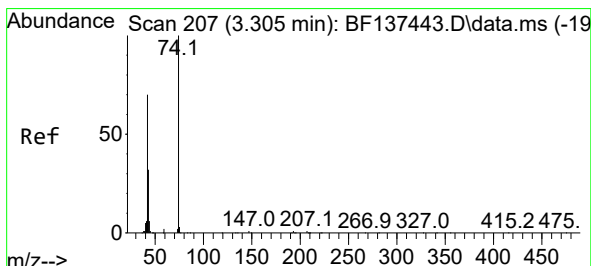
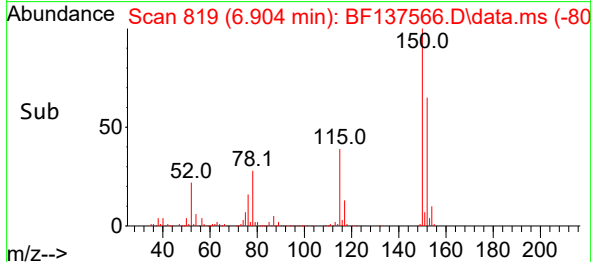
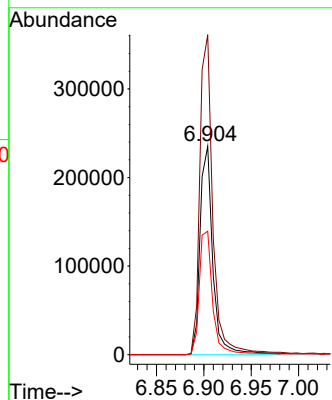
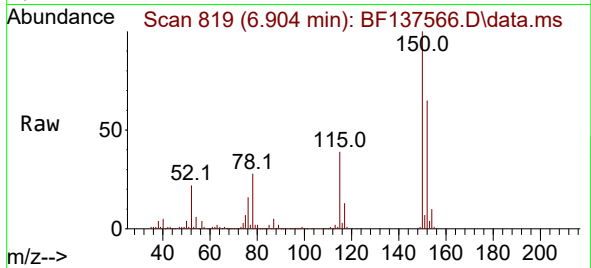




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

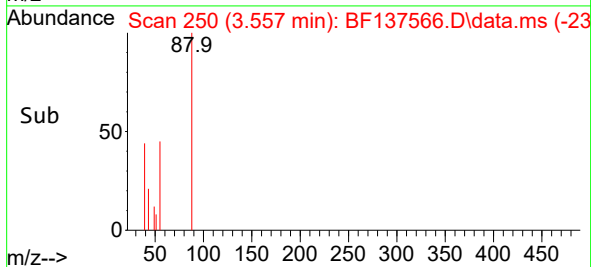
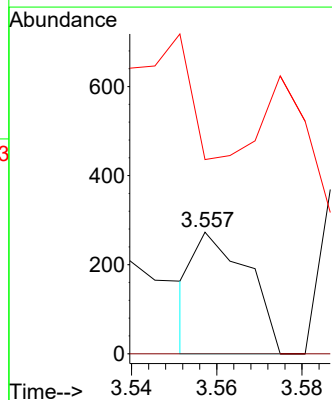
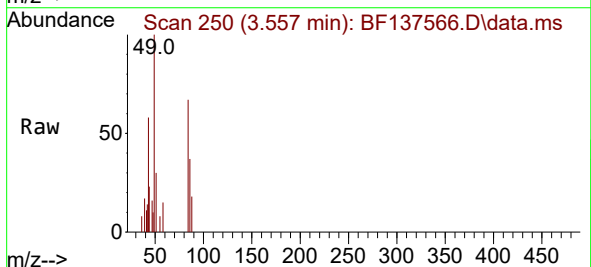
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BNA_F
ClientSampleId :
RCA-1-COMP

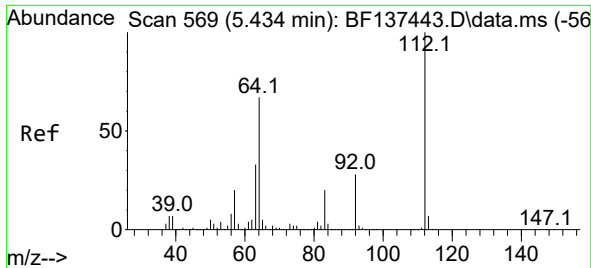
Tgt Ion:152 Resp: 221877
Ion Ratio Lower Upper
152 100
150 153.5 125.8 188.6
115 59.3 48.8 73.2



#4
n-Nitrosodimethylamine
Concen: 3.836 ng
RT: 3.557 min Scan# 250
Delta R.T. -0.012 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Tgt Ion: 42 Resp: 237
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 159.7 7.0 10.4#

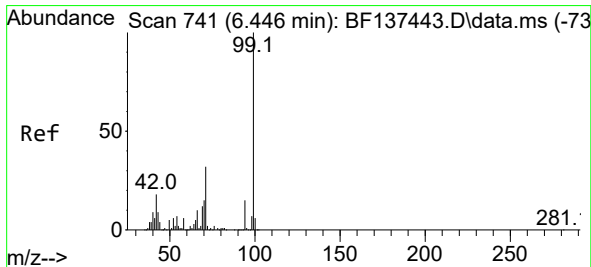
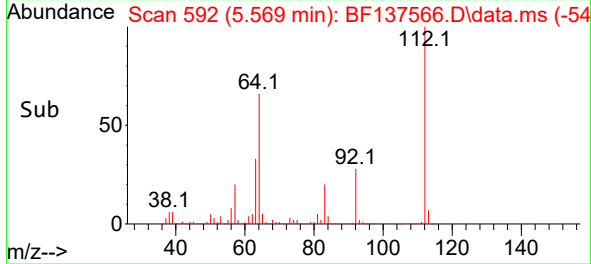
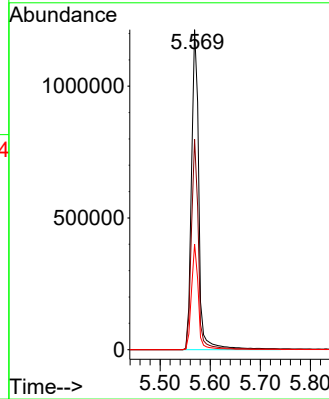
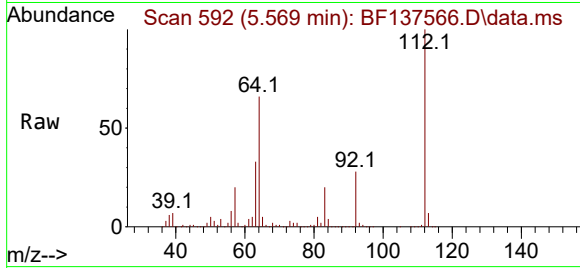




#5
2-Fluorophenol
Concen: 84.537 ng
RT: 5.569 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

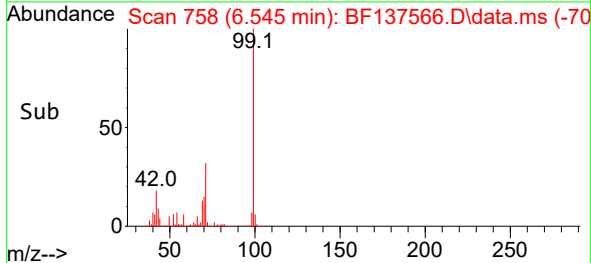
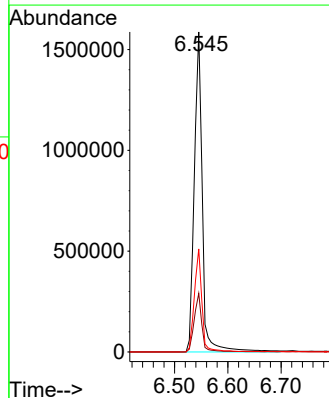
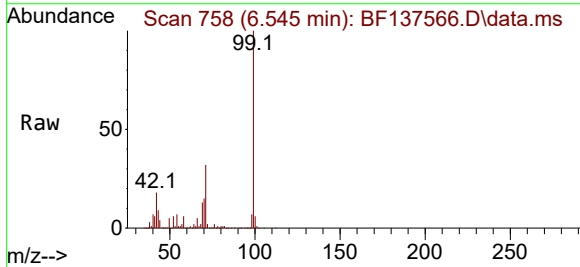
Instrument :
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ClientSampleId :
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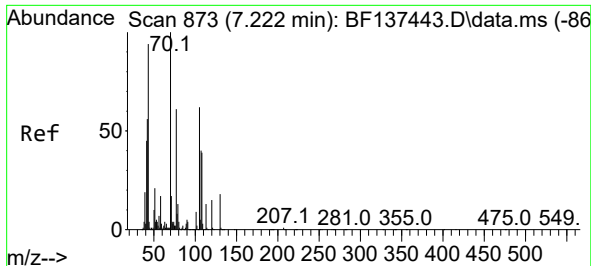
Tgt Ion:112 Resp: 1238453
Ion Ratio Lower Upper
112 100
64 65.7 53.4 80.2
63 33.0 26.2 39.2



#7
Phenol-d6
Concen: 79.090 ng
RT: 6.545 min Scan# 758
Delta R.T. -0.012 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Tgt Ion: 99 Resp: 1672485
Ion Ratio Lower Upper
99 100
42 18.3 14.6 21.8
71 32.2 25.3 37.9

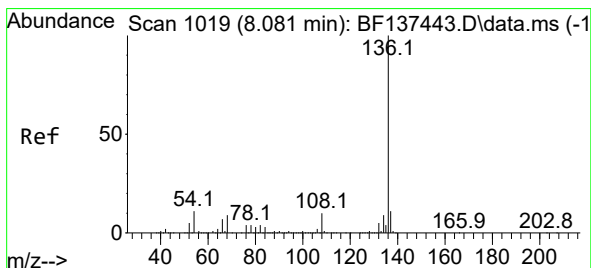
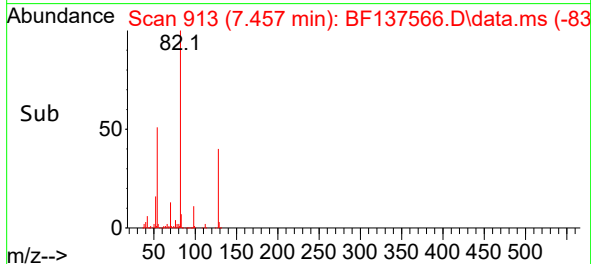
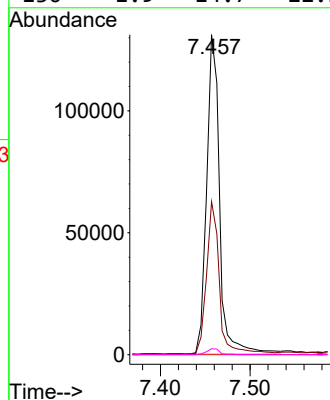
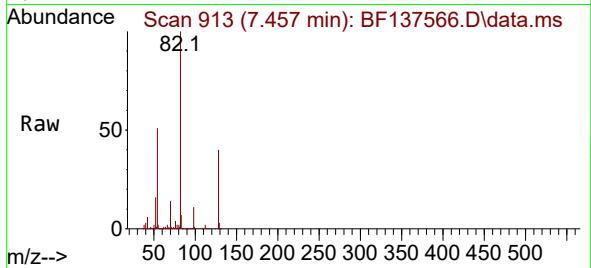




#19
n-Nitroso-di-n-propylamine
Concen: 10.003 ng
RT: 7.457 min Scan# 91
Delta R.T. 0.135 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

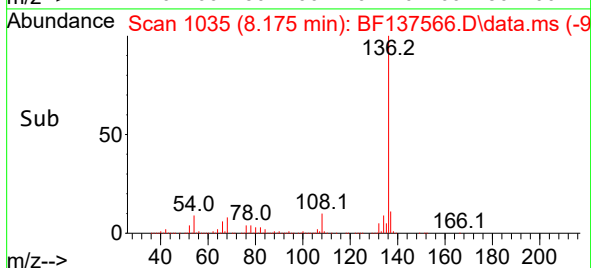
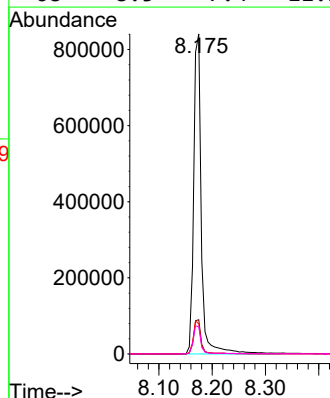
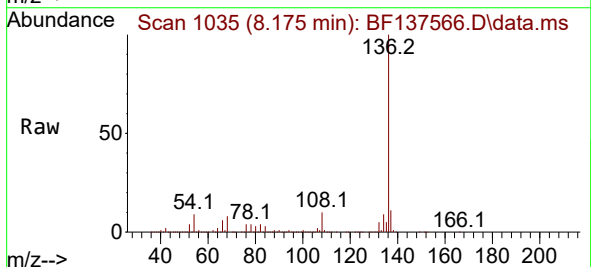
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BNA_F
ClientSampleId :
RCA-1-COMP

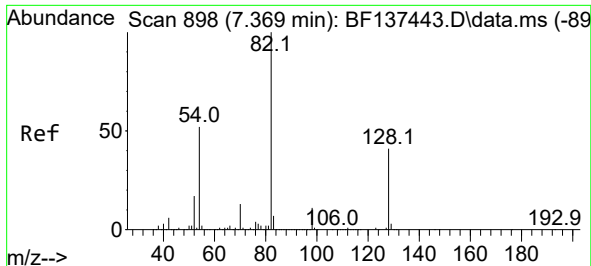
Tgt Ion: 70 Resp: 130624
Ion Ratio Lower Upper
70 100
42 47.8 45.2 67.8
101 0.0 7.3 10.9#
130 1.9 14.7 22.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Tgt Ion:136 Resp: 842269
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 9.4 8.5 12.7
68 8.5 7.4 11.2

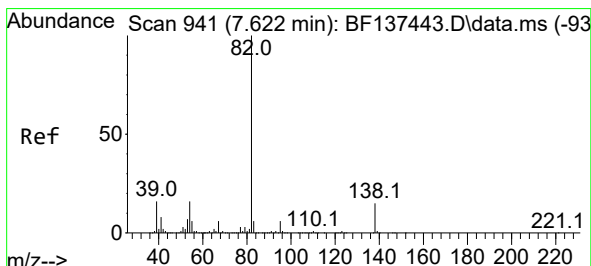
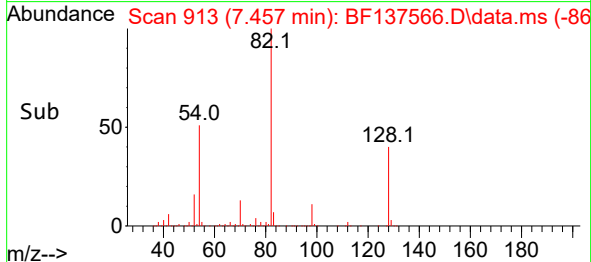
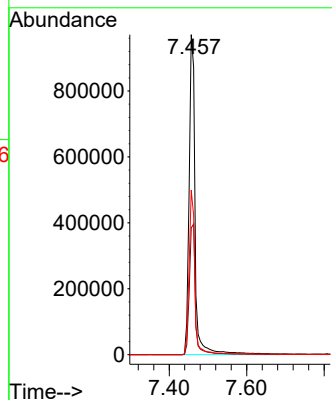
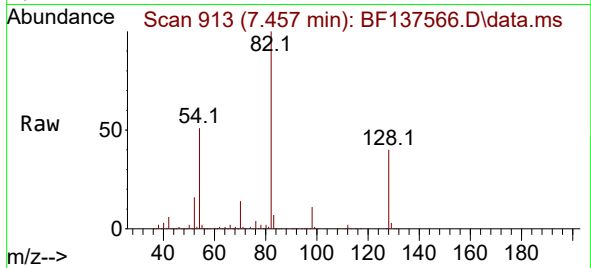




#23
Nitrobenzene-d5
Concen: 57.376 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.012 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

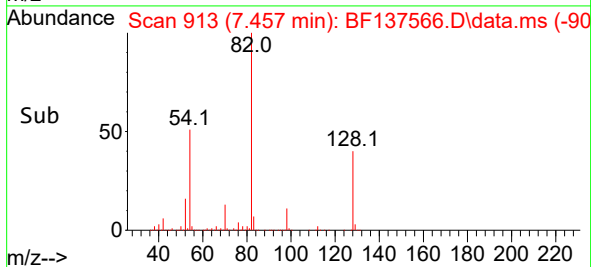
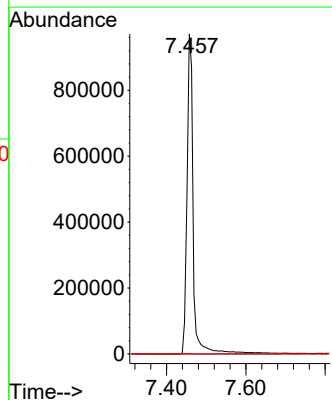
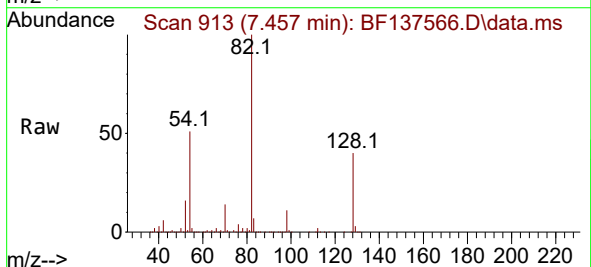
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ClientSampleId :
RCA-1-COMP

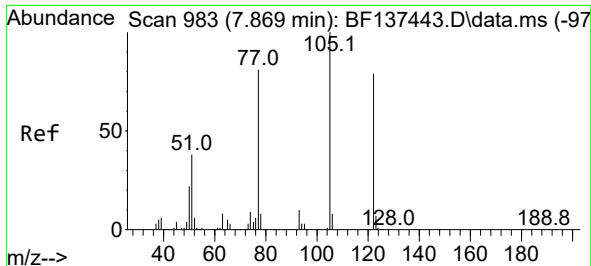
Tgt Ion: 82 Resp: 1040077
Ion Ratio Lower Upper
82 100
128 39.6 32.5 48.7
54 51.4 41.5 62.3



#25
Isophorone
Concen: 30.274 ng
RT: 7.457 min Scan# 913
Delta R.T. -0.265 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Tgt Ion: 82 Resp: 1042586
Ion Ratio Lower Upper
82 100
95 0.0 5.1 7.7#
138 0.0 11.8 17.8#

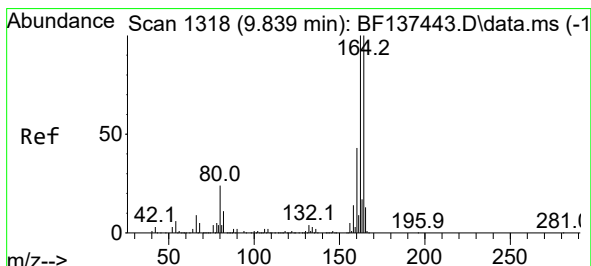
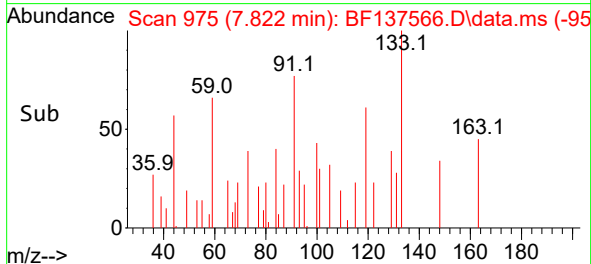
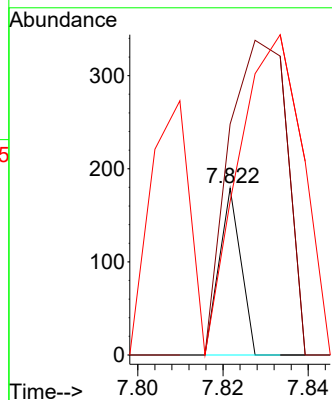
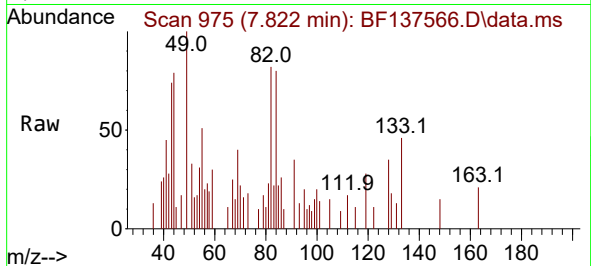




#32
Benzoic acid
Concen: 6.306 ng
RT: 7.822 min Scan# 91
Delta R.T. -0.159 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

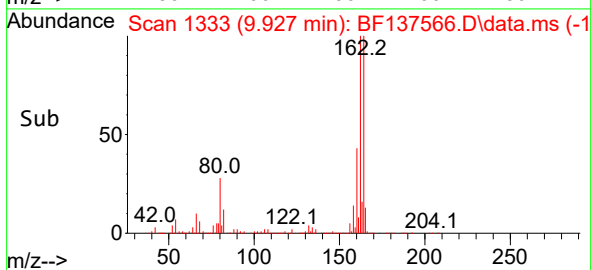
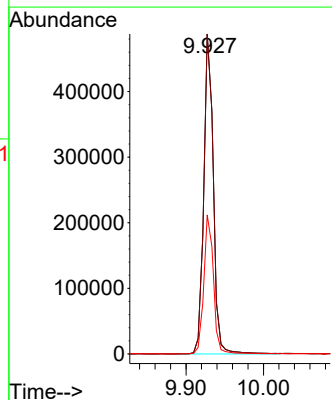
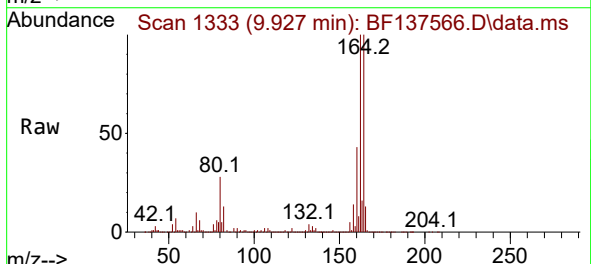
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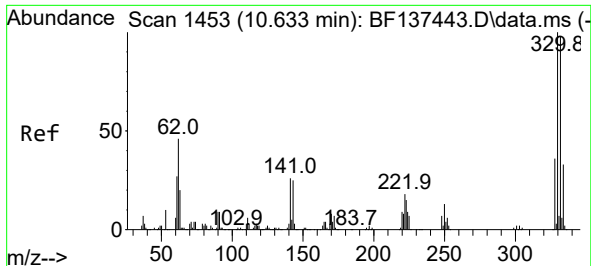
Tgt Ion:122 Resp: 63
Ion Ratio Lower Upper
122 100
105 138.5 102.4 142.4
77 92.2 81.1 121.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Tgt Ion:164 Resp: 416923
Ion Ratio Lower Upper
164 100
162 100.1 79.8 119.8
160 43.5 34.4 51.6

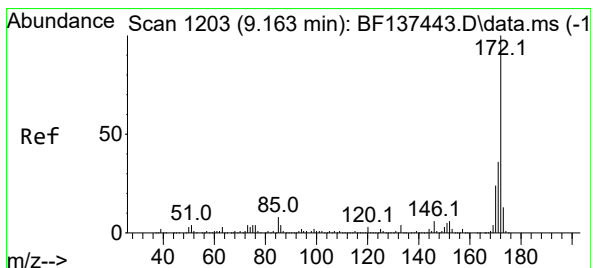
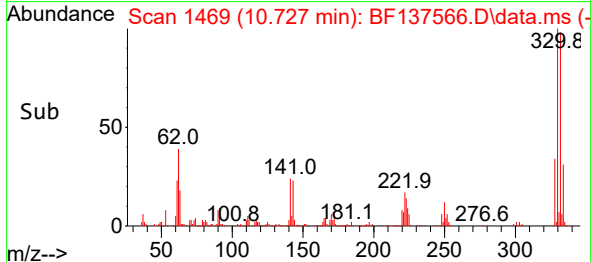
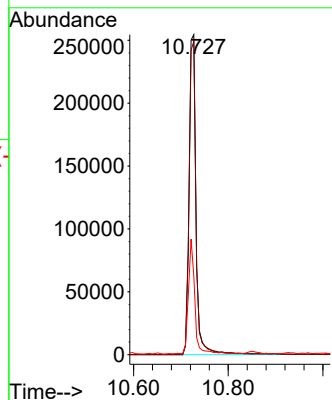
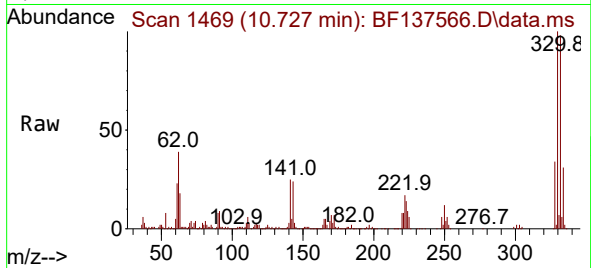




#42
2,4,6-Tribromophenol
Concen: 70.978 ng
RT: 10.727 min Scan# 1453
Delta R.T. -0.006 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

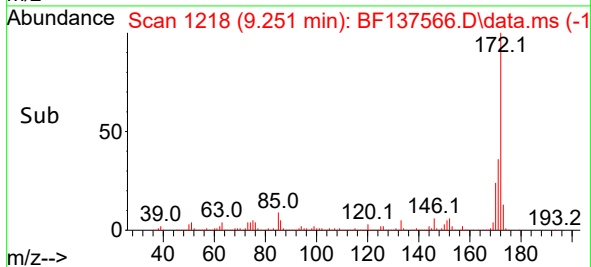
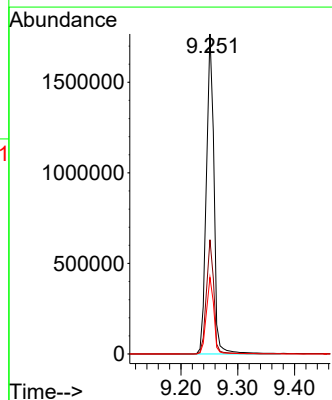
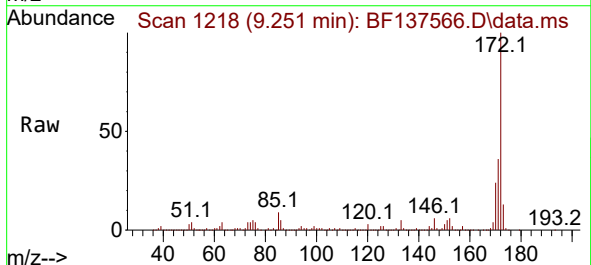
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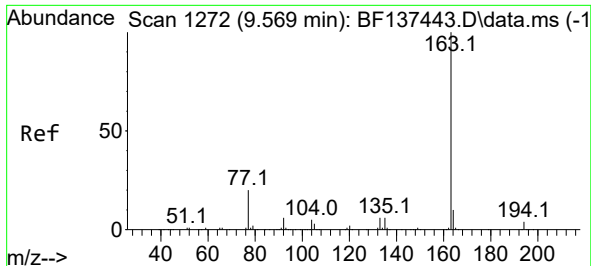
Tgt Ion: 330 Resp: 259871
Ion Ratio Lower Upper
330 100
332 96.2 78.0 117.0
141 33.3 27.3 40.9



#45
2-Fluorobiphenyl
Concen: 61.738 ng
RT: 9.251 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Tgt Ion: 172 Resp: 1644344
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 23.9 19.0 28.6

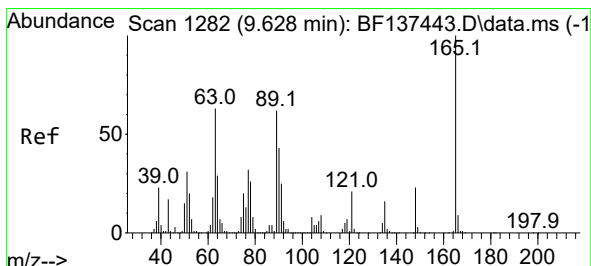
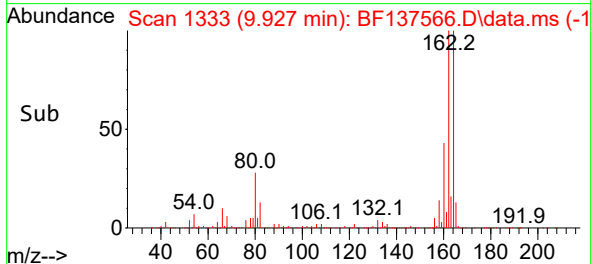
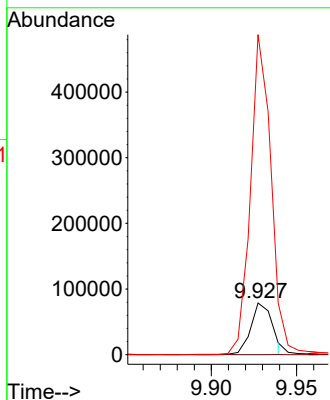
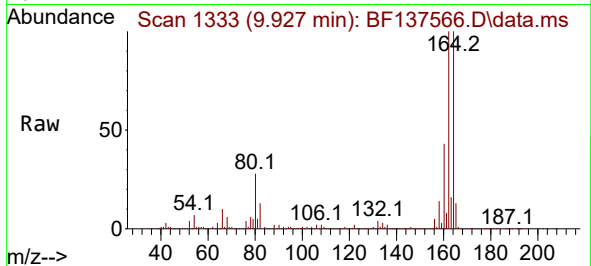




#50
Dimethylphthalate
Concen: 2.367 ng
RT: 9.927 min Scan# 1333
Delta R.T. 0.259 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

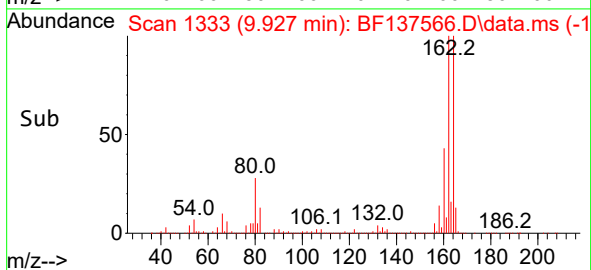
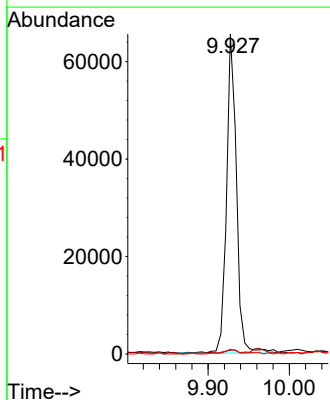
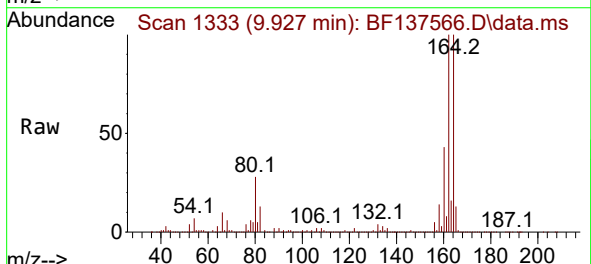
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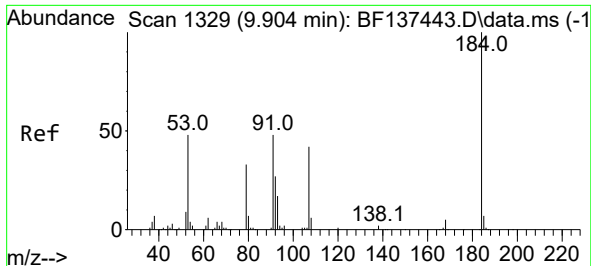
Tgt Ion:163 Resp: 68709
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 618.5 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 9.197 ng
RT: 9.927 min Scan# 1333
Delta R.T. 0.200 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Tgt Ion:165 Resp: 55828
Ion Ratio Lower Upper
165 100
63 1.2 50.7 76.1#
89 1.5 50.0 75.0#

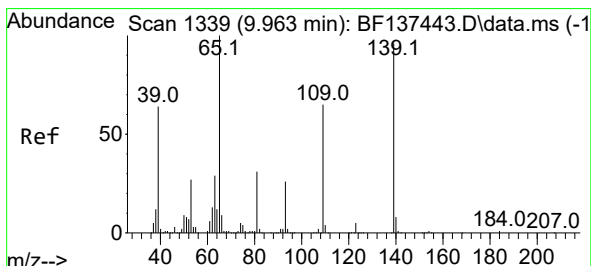
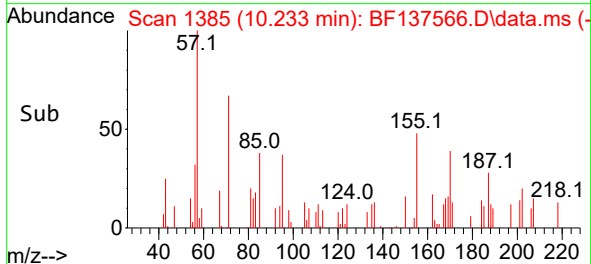
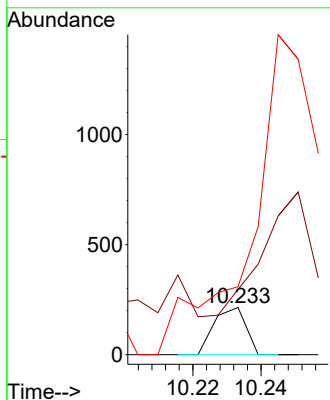
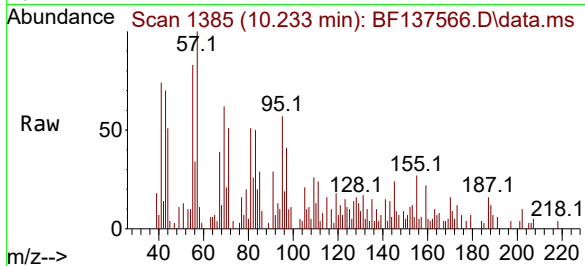




#54
2,4-Dinitrophenol
Concen: 8.267 ng
RT: 10.233 min Scan# 1385
Delta R.T. 0.229 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

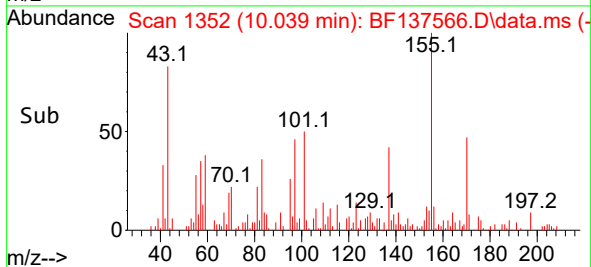
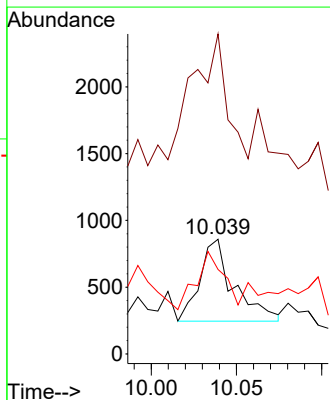
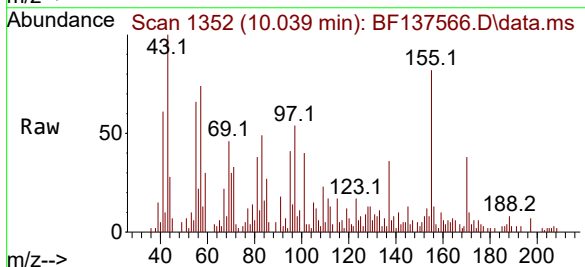
Instrument :
BNA_F
ClientSampleId :
RCA-1-COMP

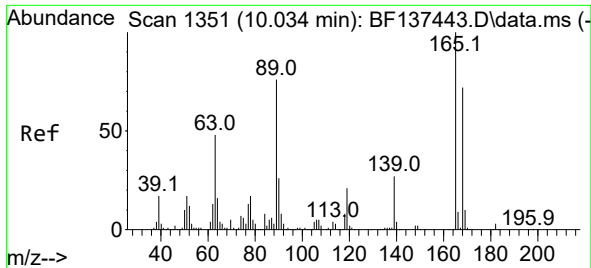
Tgt Ion:184 Resp: 138
Ion Ratio Lower Upper
184 100
63 138.3 53.3 79.9#
154 144.4 47.4 71.0#



#56
4-Nitrophenol
Concen: 4.701 ng
RT: 10.039 min Scan# 1352
Delta R.T. -0.024 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Tgt Ion:139 Resp: 846
Ion Ratio Lower Upper
139 100
109 278.9 47.1 87.1#
65 73.7 85.1 125.1#

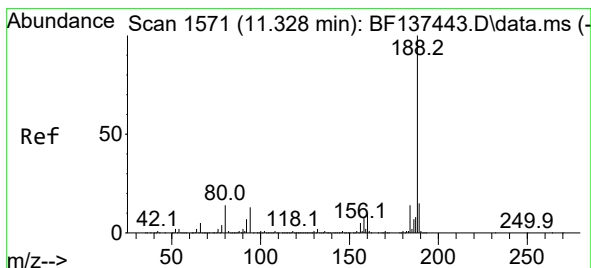
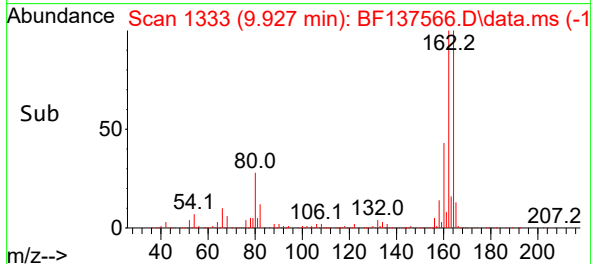
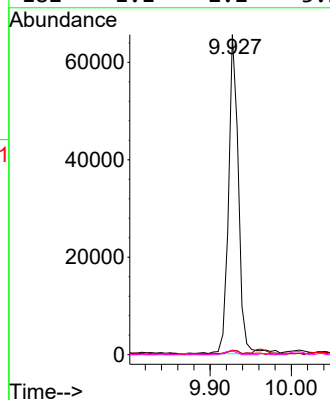
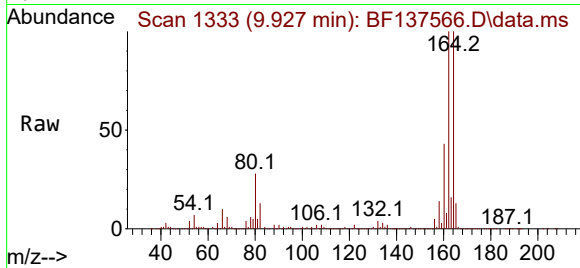




#57
2,4-Dinitrotoluene
Concen: 7.486 ng
RT: 9.927 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

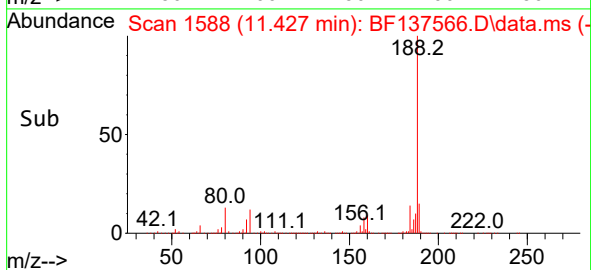
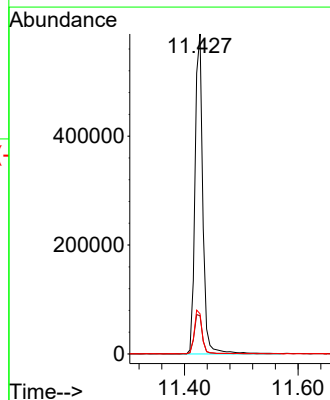
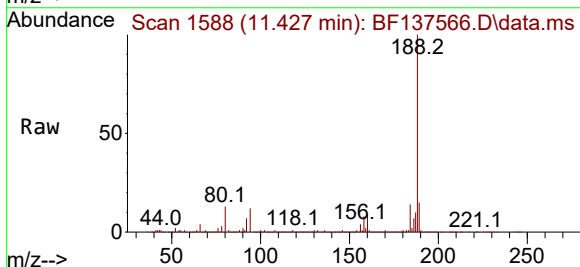
Instrument :
BNA_F
ClientSampleId :
RCA-1-COMP

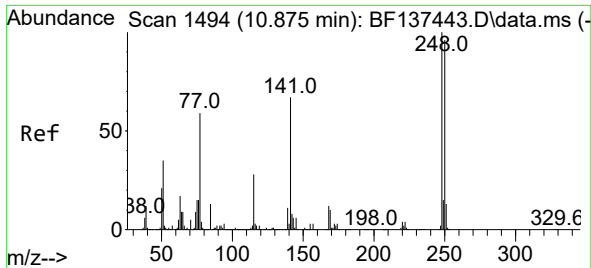
Tgt Ion:165 Resp: 55828
Ion Ratio Lower Upper
165 100
63 1.2 39.0 58.6#
89 1.5 60.9 91.3#
182 1.1 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Tgt Ion:188 Resp: 564163
Ion Ratio Lower Upper
188 100
94 11.9 10.6 15.8
80 12.6 11.5 17.3

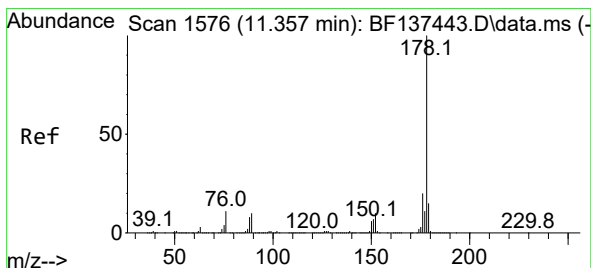
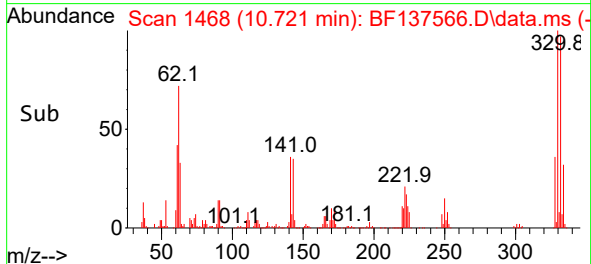
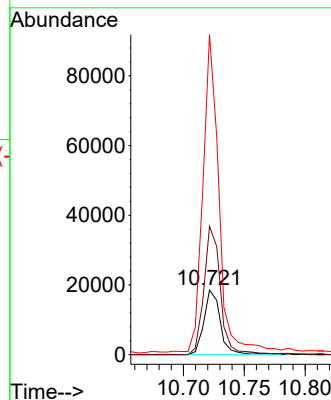
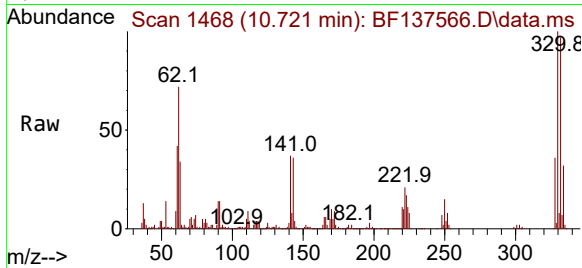




#67
4-Bromophenyl-phenylether
Concen: 2.868 ng
RT: 10.721 min Scan# 1494
Delta R.T. -0.253 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

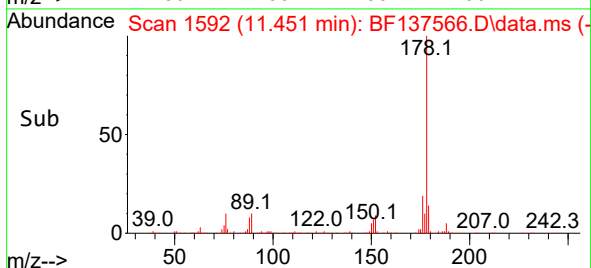
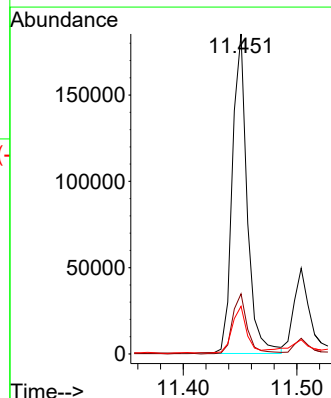
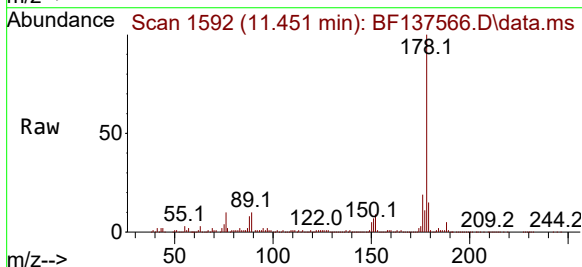
Instrument :
BNA_F
ClientSampleId :
RCA-1-COMP

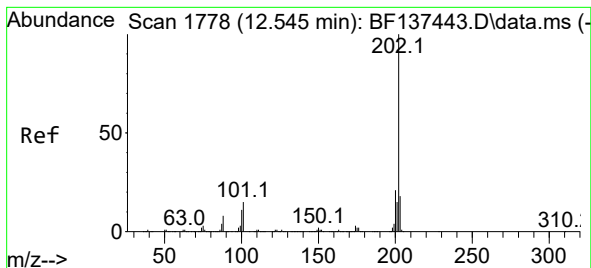
Tgt Ion:248 Resp: 17623
Ion Ratio Lower Upper
248 100
250 198.7 76.8 115.2#
141 495.1 53.4 80.0#



#71
Phenanthrene
Concen: 5.472 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Tgt Ion:178 Resp: 167994
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.8
179 14.9 12.2 18.2





#75

Fluoranthene

Concen: 11.937 ng

RT: 12.651 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137566.D

Acq: 11 Mar 2024 20:18

Instrument :

BNA_F

ClientSampleId :

RCA-1-COMP

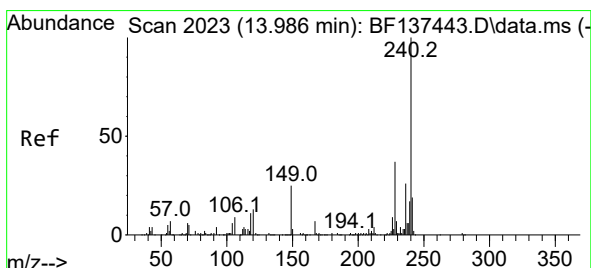
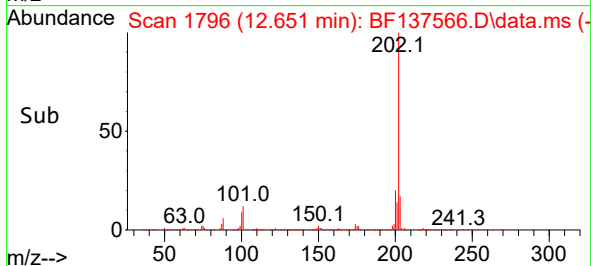
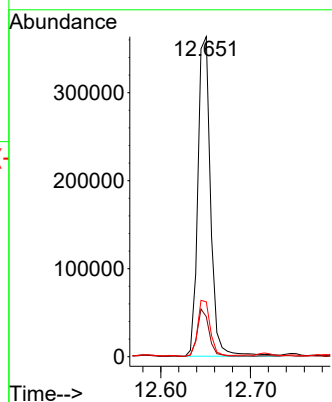
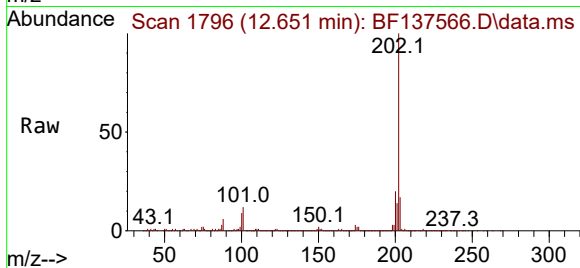
Tgt Ion:202 Resp: 358235

Ion Ratio Lower Upper

202 100

101 12.5 0.0 35.0

203 17.2 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: BF137566.D

Acq: 11 Mar 2024 20:18

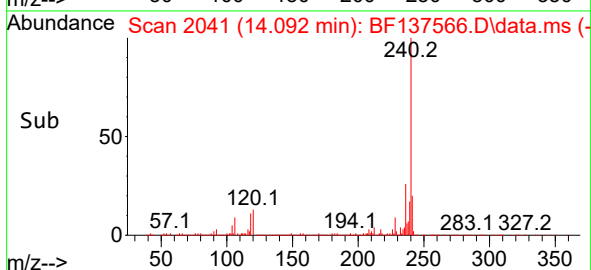
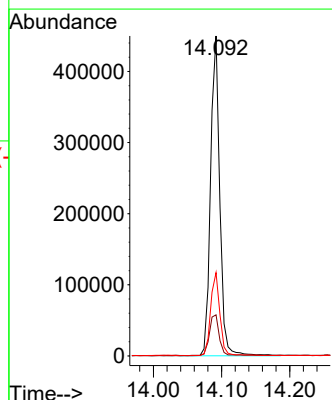
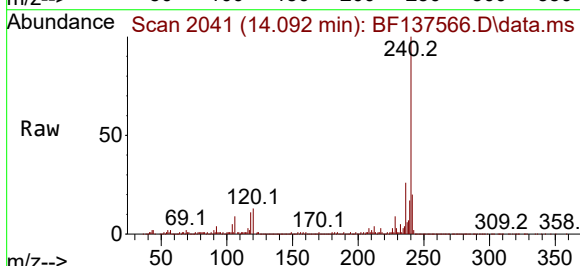
Tgt Ion:240 Resp: 422779

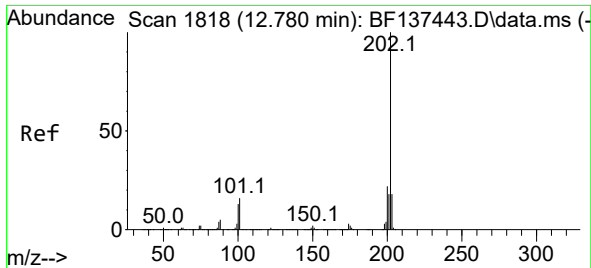
Ion Ratio Lower Upper

240 100

120 12.8 10.4 15.6

236 26.0 20.9 31.3

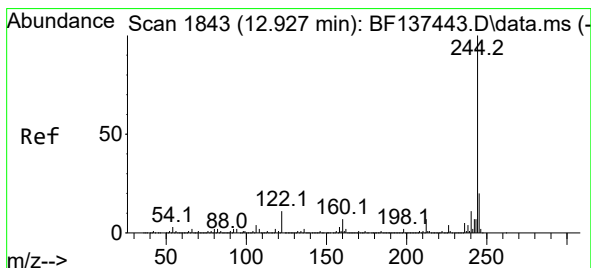
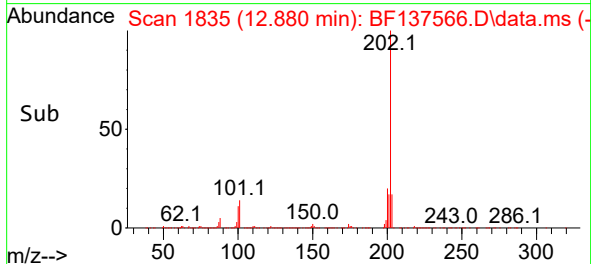
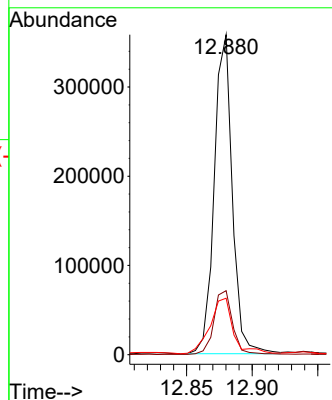
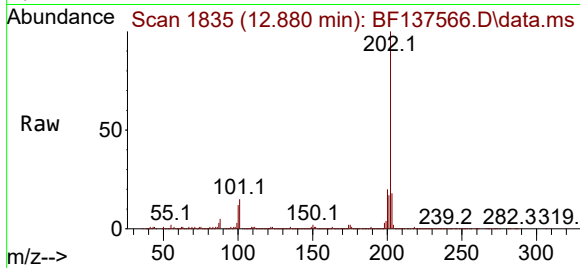




#78
 Pyrene
 Concen: 8.262 ng
 RT: 12.880 min Scan# 1835
 Delta R.T. -0.006 min
 Lab File: BF137566.D
 Acq: 11 Mar 2024 20:18

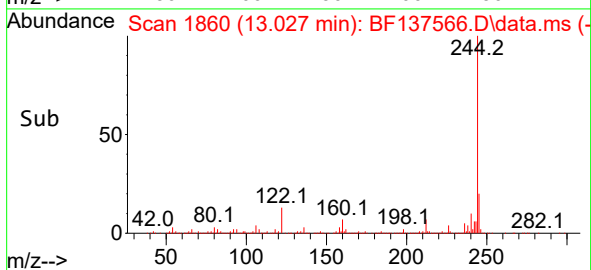
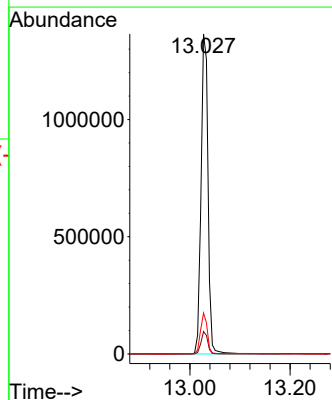
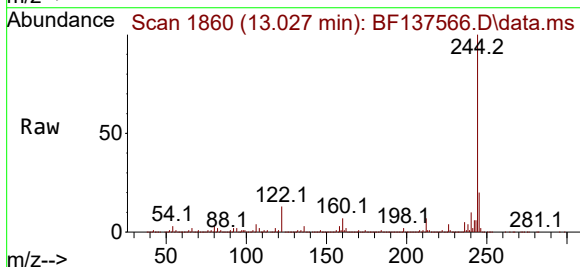
Instrument :
 BNA_F
 ClientSampleId :
 RCA-1-COMP

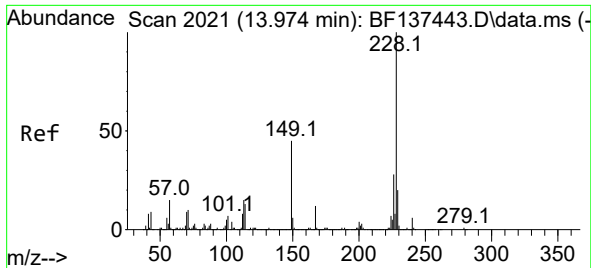
Tgt Ion:202 Resp: 342742
 Ion Ratio Lower Upper
 202 100
 200 20.0 17.4 26.2
 203 17.7 14.1 21.1



#79
 Terphenyl-d14
 Concen: 42.568 ng
 RT: 13.027 min Scan# 1860
 Delta R.T. -0.012 min
 Lab File: BF137566.D
 Acq: 11 Mar 2024 20:18

Tgt Ion:244 Resp: 1308775
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.2
 122 12.8 9.1 13.7

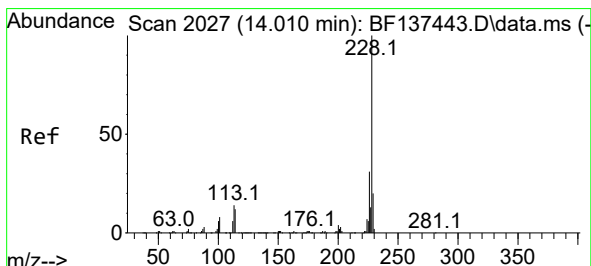
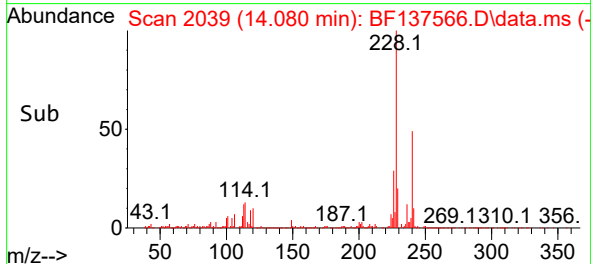
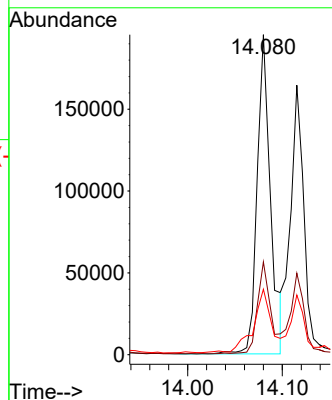
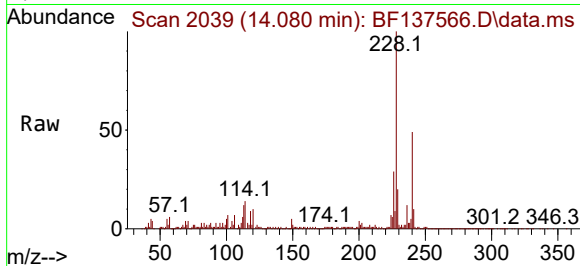




#81
Benzo(a)anthracene
Concen: 6.441 ng
RT: 14.080 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

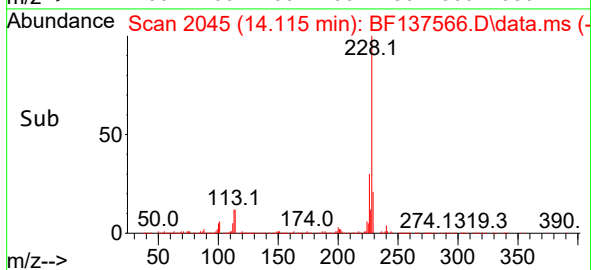
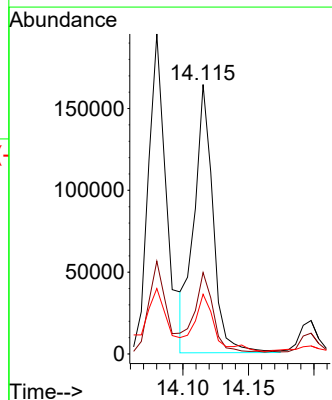
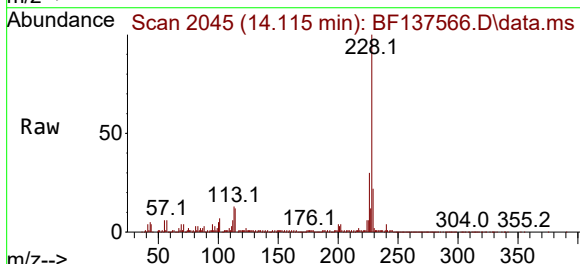
Instrument :
BNA_F
ClientSampleId :
RCA-1-COMP

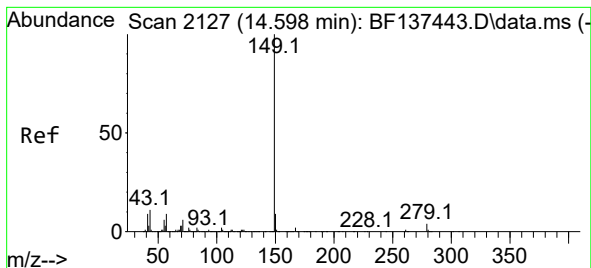
Tgt Ion:228 Resp: 190866
Ion Ratio Lower Upper
228 100
226 29.0 22.3 33.5
229 20.5 16.3 24.5



#83
Chrysene
Concen: 5.478 ng
RT: 14.115 min Scan# 2045
Delta R.T. -0.012 min
Lab File: BF137566.D
Acq: 11 Mar 2024 20:18

Tgt Ion:228 Resp: 164064
Ion Ratio Lower Upper
228 100
226 30.2 24.7 37.1
229 22.1 15.9 23.9





#85

Di-n-octyl phthalate

Concen: 5.648 ng

RT: 14.721 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137566.D

Acq: 11 Mar 2024 20:18

Instrument :

BNA_F

ClientSampleId :

RCA-1-COMP

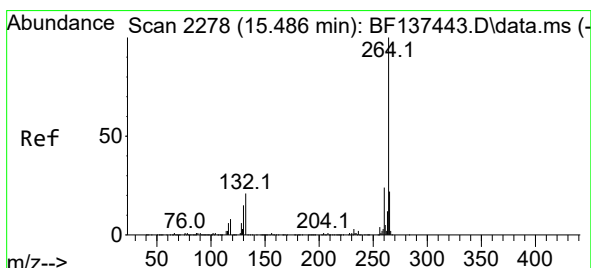
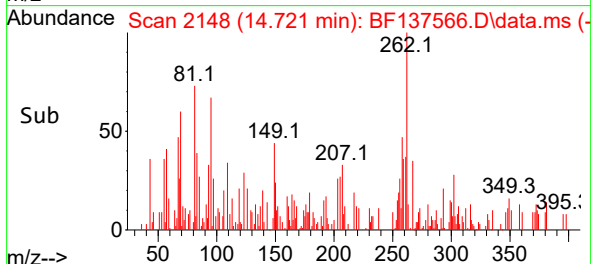
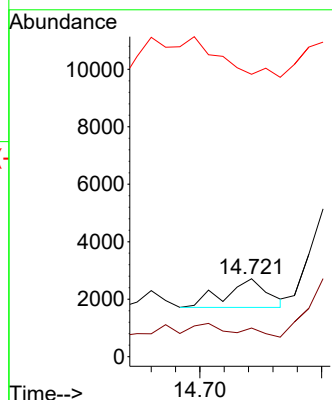
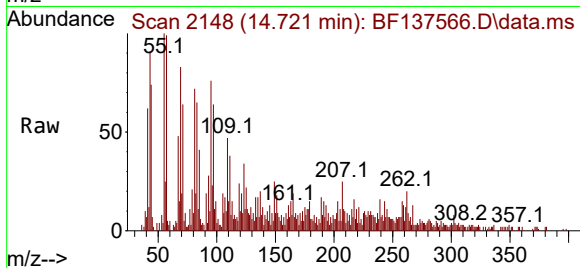
Tgt Ion:149 Resp: 1201

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 0.0 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: BF137566.D

Acq: 11 Mar 2024 20:18

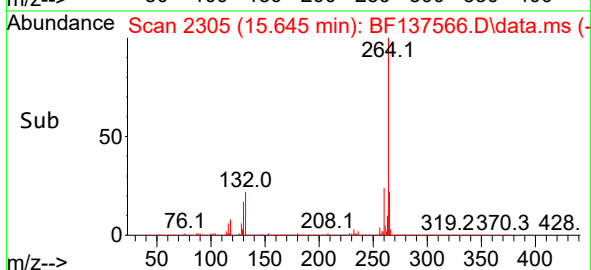
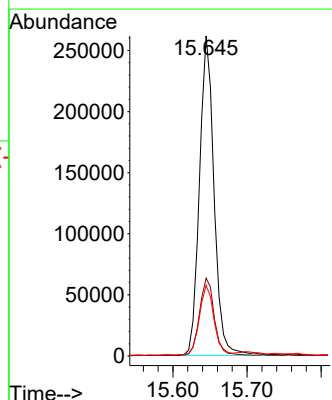
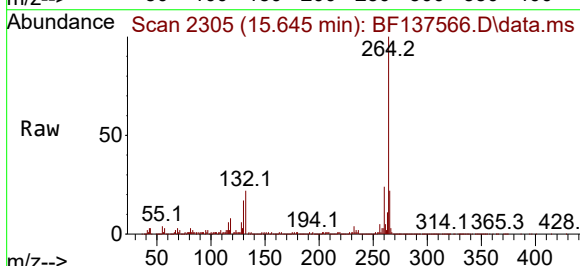
Tgt Ion:264 Resp: 358260

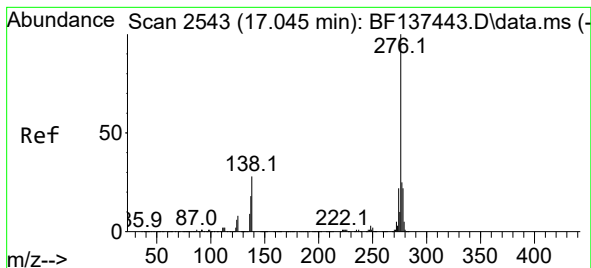
Ion Ratio Lower Upper

264 100

260 24.3 19.3 28.9

265 22.0 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.488 ng

RT: 17.274 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF137566.D

Acq: 11 Mar 2024 20:18

Instrument :

BNA_F

ClientSampleId :

RCA-1-COMP

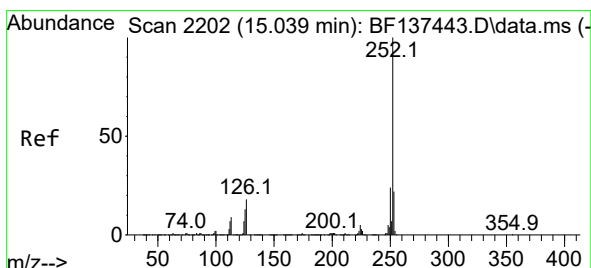
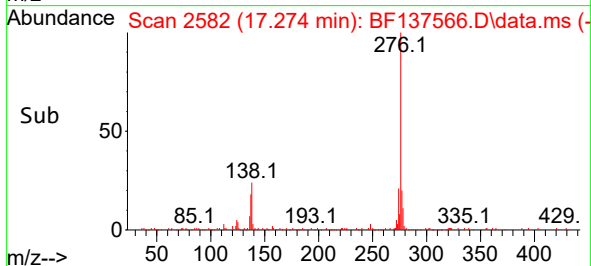
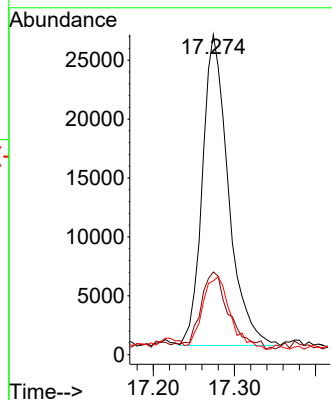
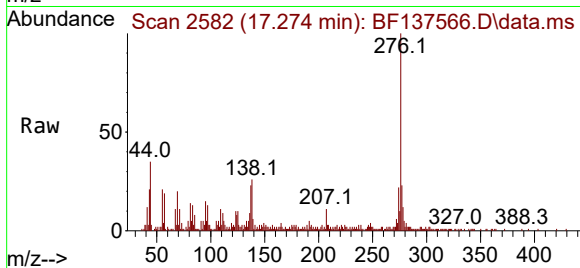
Tgt Ion:276 Resp: 58660

Ion Ratio Lower Upper

276 100

138 27.1 25.8 38.8

277 25.1 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 11.361 ng

RT: 15.180 min Scan# 2226

Delta R.T. -0.006 min

Lab File: BF137566.D

Acq: 11 Mar 2024 20:18

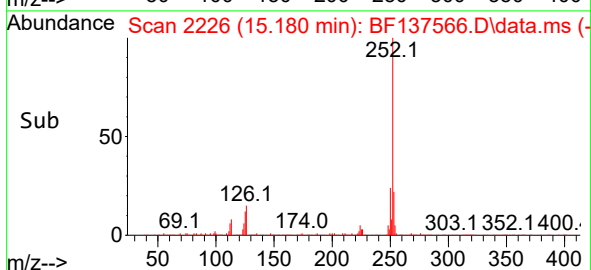
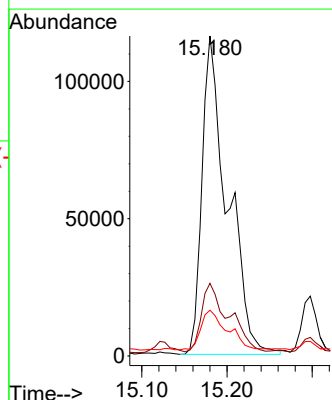
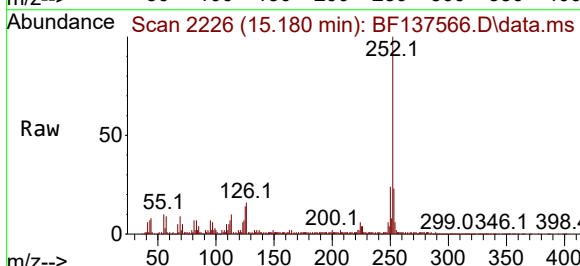
Tgt Ion:252 Resp: 240774

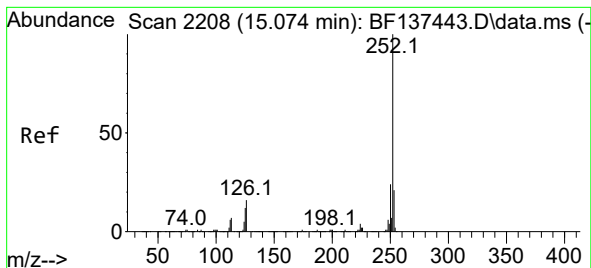
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.8

125 14.3 10.1 15.1





#89

Benzo(k)fluoranthene

Concen: 10.578 ng

RT: 15.180 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF137566.D

Acq: 11 Mar 2024 20:18

Instrument :

BNA_F

ClientSampleId :

RCA-1-COMP

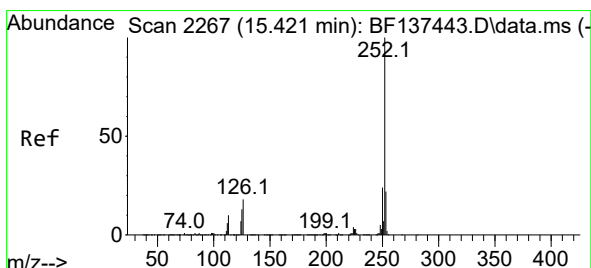
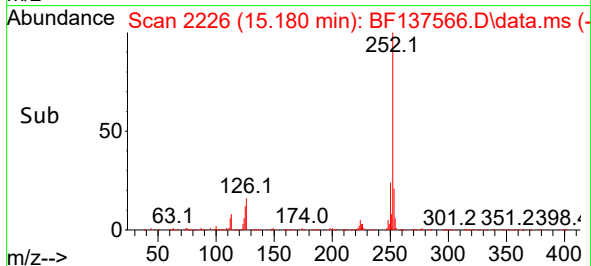
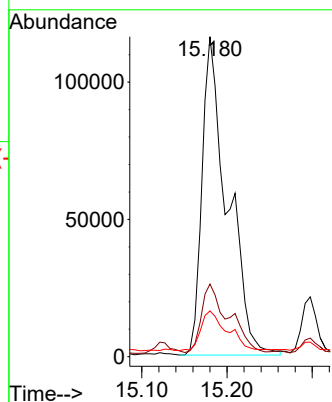
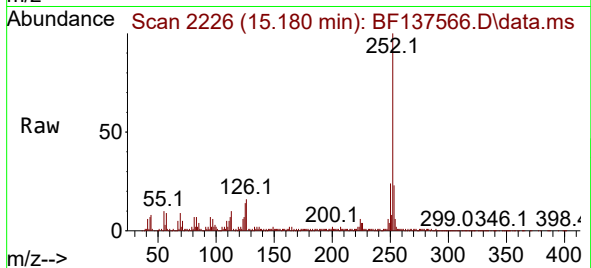
Tgt Ion:252 Resp: 240774

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

125 14.3 9.6 14.4



#90

Benzo(a)pyrene

Concen: 6.008 ng

RT: 15.574 min Scan# 2293

Delta R.T. -0.012 min

Lab File: BF137566.D

Acq: 11 Mar 2024 20:18

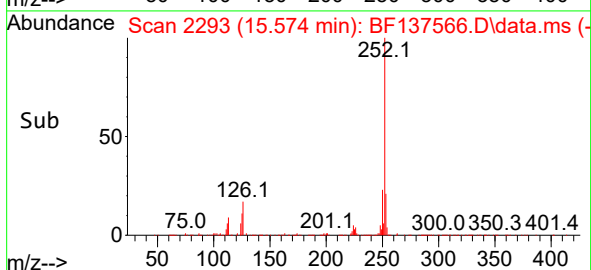
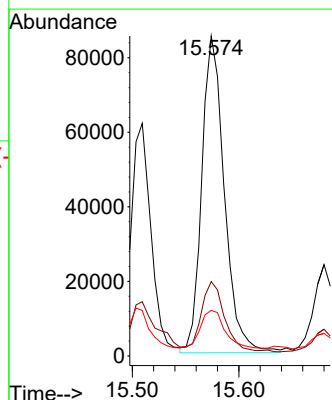
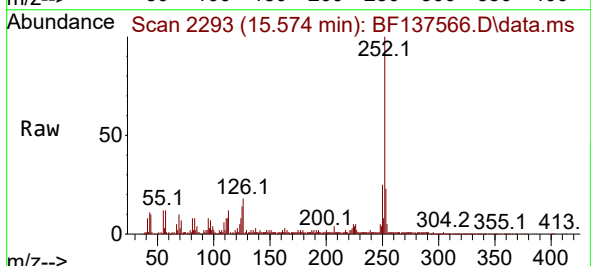
Tgt Ion:252 Resp: 125464

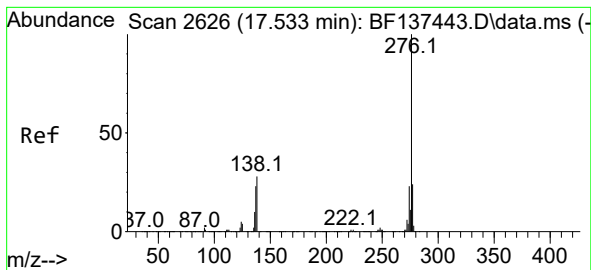
Ion Ratio Lower Upper

252 100

253 23.2 17.4 26.2

125 14.3 10.4 15.6





#92

Benzo(g,h,i)perylene

Concen: 3.010 ng

RT: 17.768 min Scan# 20

Delta R.T. -0.024 min

Lab File: BF137566.D

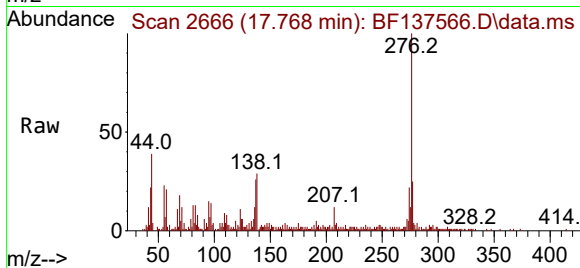
Acq: 11 Mar 2024 20:18

Instrument :

BNA_F

ClientSampleId :

RCA-1-COMP



Tgt Ion:276 Resp: 59127

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.4

138 29.2 22.2 33.2

