

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
 Data File : BF137679.D
 Acq On : 22 Mar 2024 13:56
 Operator : CG\JU
 Sample : P1804-01DL 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-03192024-ADL

Quant Time: Mar 22 14:14:14 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 14:45:20 2024
 Response via : Initial Calibration

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

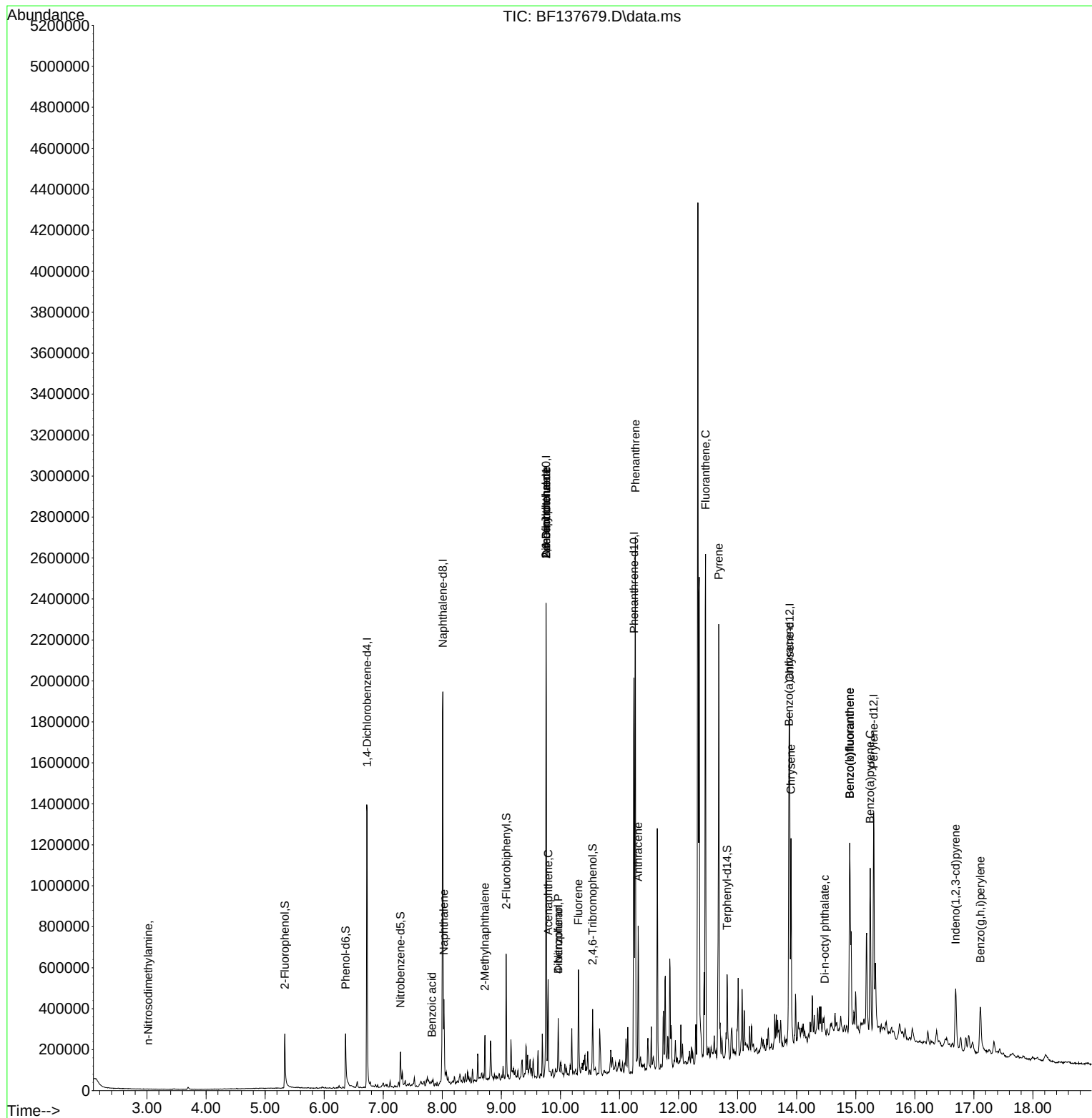
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	226884	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	887967	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	475819	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	723619	20.000	ng	0.00
76) Chrysene-d12	13.880	240	426857	20.000	ng	0.00
86) Perylene-d12	15.304	264	479682	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	102037	6.811	ng	0.00
7) Phenol-d6	6.363	99	143217	6.623	ng	0.00
23) Nitrobenzene-d5	7.292	82	81730	4.277	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	28436	6.805	ng	0.00
45) 2-Fluorobiphenyl	9.080	172	177398	5.836	ng	0.00
79) Terphenyl-d14	12.821	244	140166	4.515	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.022	42	217	3.833	ng	# 1
31) Naphthalene	8.028	128	164008	3.442	ng	98
32) Benzoic acid	7.822	122	414	6.342	ng	# 1
37) 2-Methylnaphthalene	8.722	142	64533	2.125	ng	100
50) Dimethylphthalate	9.757	163	71011	2.144	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	64973	9.378	ng	# 20
52) Acenaphthene	9.792	154	89105	3.512	ng	98
55) Dibenzofuran	9.963	168	95152	2.463	ng	98
56) 4-Nitrophenol	9.963	139	35448	10.941	ng	# 9
57) 2,4-Dinitrotoluene	9.757	165	64973	7.634	ng	# 21
58) Fluorene	10.304	166	143927	4.850	ng	100
71) Phenanthrene	11.268	178	898815	22.824	ng	99
72) Anthracene	11.316	178	285648	7.062	ng	99
75) Fluoranthene	12.457	202	986278	25.622	ng	97
78) Pyrene	12.680	202	857808	20.480	ng	99
81) Benzo(a)anthracene	13.868	228	430332	14.384	ng	97
83) Chrysene	13.904	228	361729	11.963	ng	97
85) Di-n-octyl phthalate	14.474	149	1120	5.645	ng	# 1
87) Indeno(1,2,3-cd)pyrene	16.692	276	183851	5.824	ng	93
88) Benzo(b)fluoranthene	14.898	252	668103	23.545	ng	98
89) Benzo(k)fluoranthene	14.898	252	668103	21.921	ng	97
90) Benzo(a)pyrene	15.245	252	371903	13.300	ng	99
92) Benzo(g,h,i)perylene	17.109	276	171524	6.522	ng	97

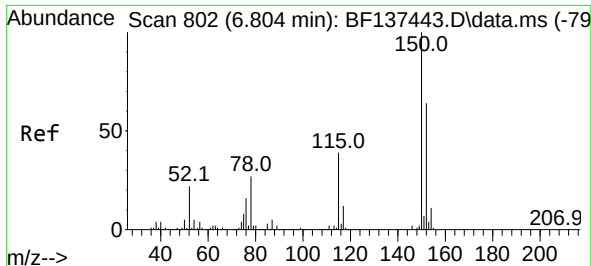
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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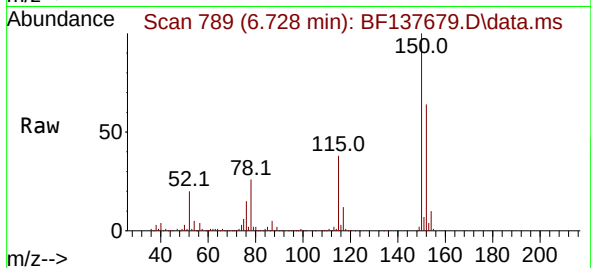
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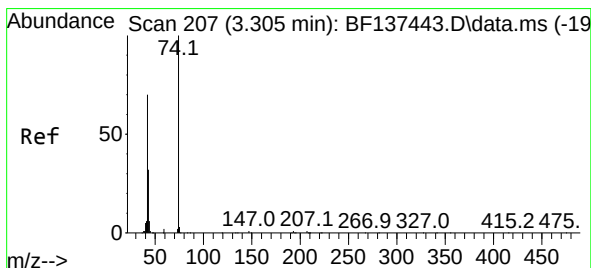
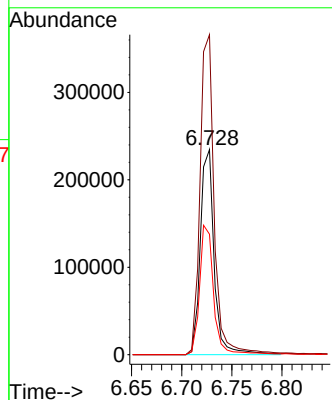
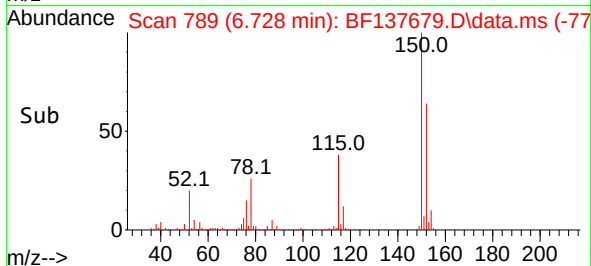


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

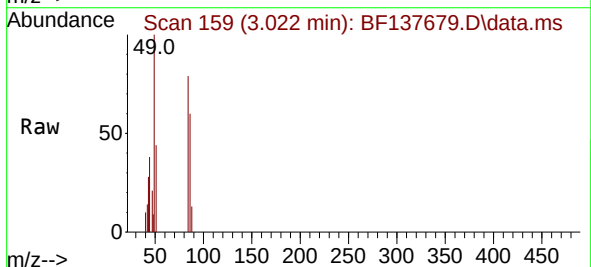
Instrument :
BNA_F
ClientSampleId :
JC-03-03192024-ADL



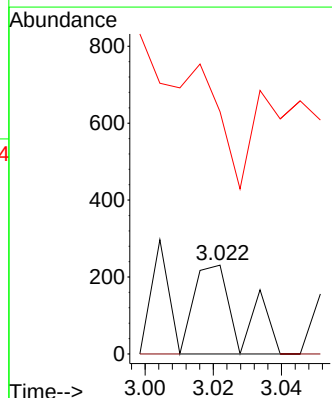
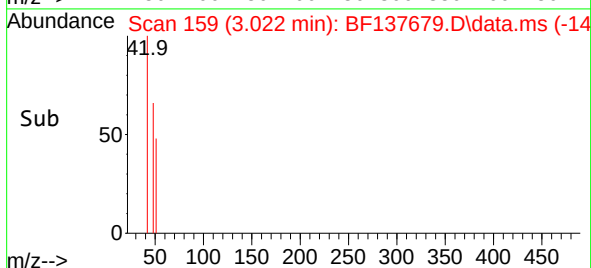
Tgt Ion:152 Resp: 226884
Ion Ratio Lower Upper
152 100
150 156.0 125.8 188.6
115 58.7 48.8 73.2

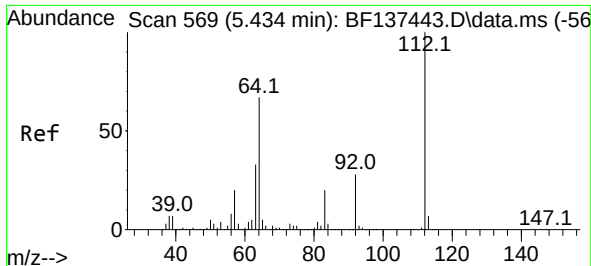


#4
n-Nitrosodimethylamine
Concen: 3.833 ng
RT: 3.022 min Scan# 159
Delta R.T. -0.018 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56



Tgt Ion: 42 Resp: 217
Ion Ratio Lower Upper
42 100
74 0.0 114.0 171.0#
44 272.7 7.0 10.4#

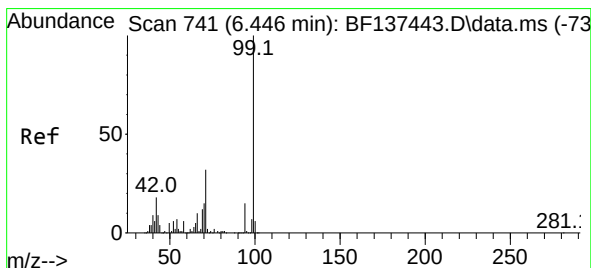
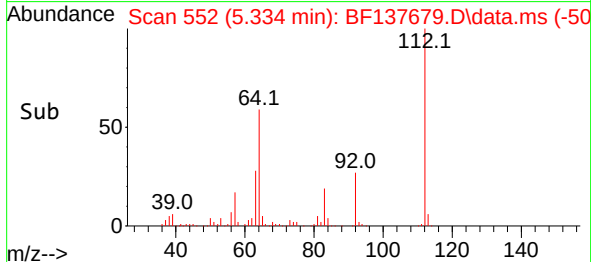
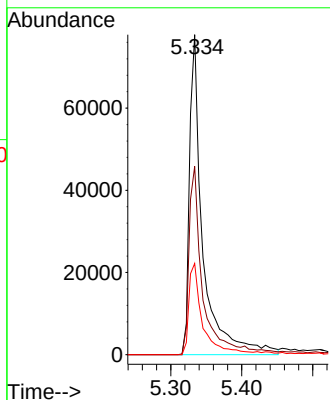
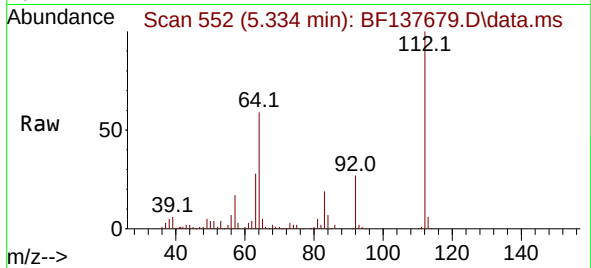




#5
2-Fluorophenol
Concen: 6.811 ng
RT: 5.334 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

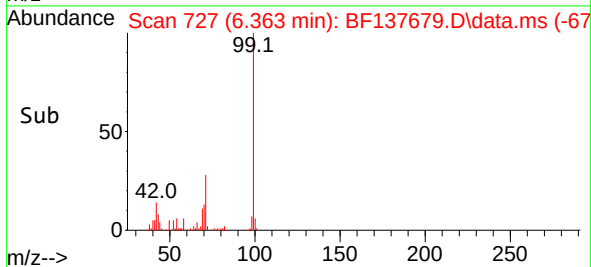
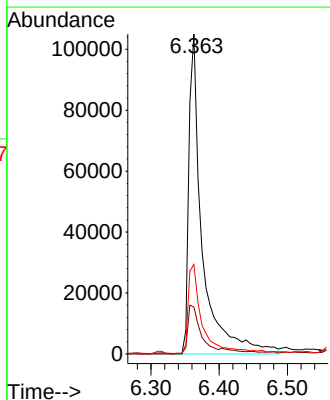
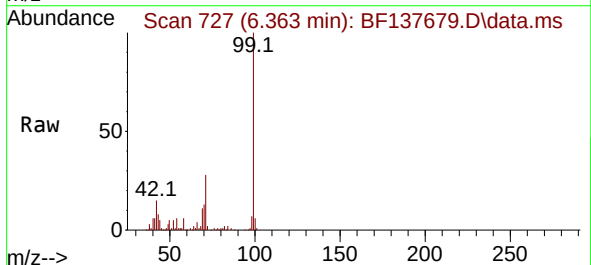
Instrument :
BNA_F
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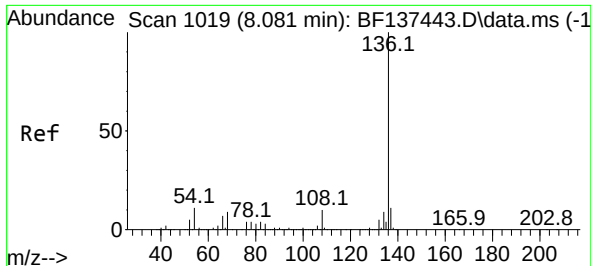
Tgt Ion:112 Resp: 102037
Ion Ratio Lower Upper
112 100
64 58.9 53.4 80.2
63 28.5 26.2 39.2



#7
Phenol-d6
Concen: 6.623 ng
RT: 6.363 min Scan# 727
Delta R.T. -0.006 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

Tgt Ion: 99 Resp: 143217
Ion Ratio Lower Upper
99 100
42 14.6 14.6 21.8
71 27.9 25.3 37.9

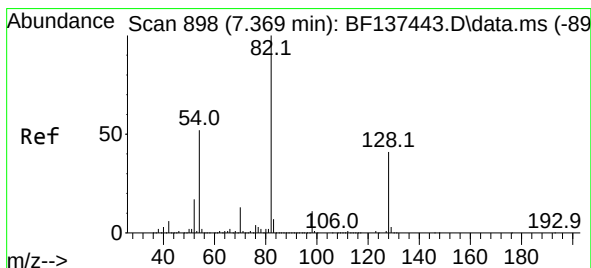
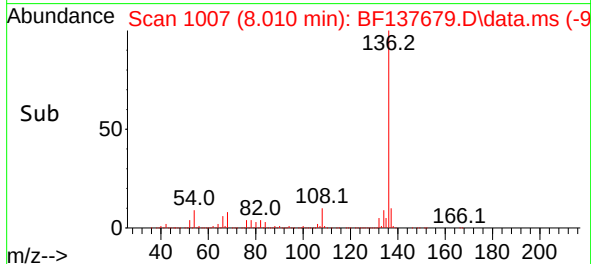
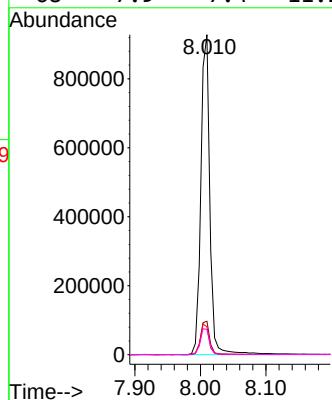
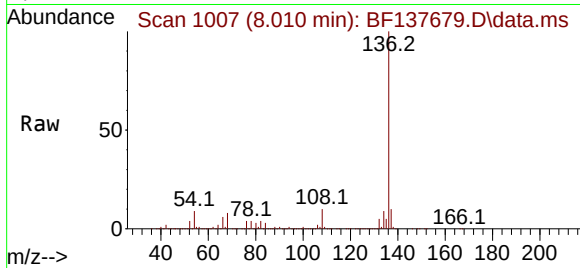




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

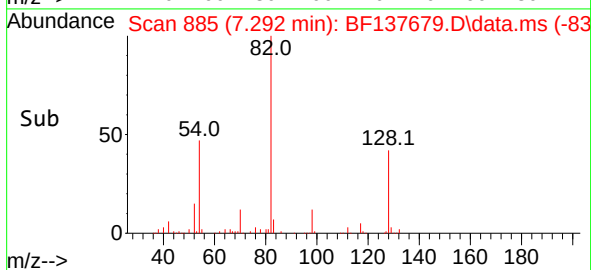
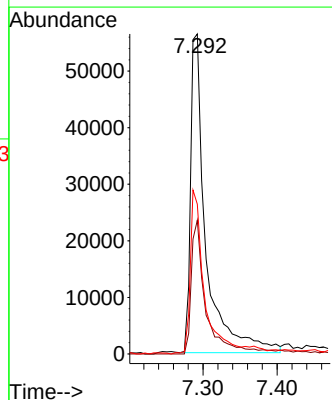
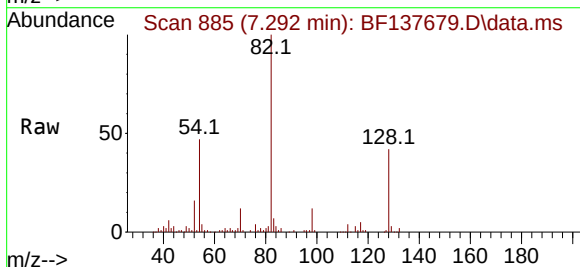
Instrument :
BNA_F
ClientSampleId :
JC-03-03192024-ADL

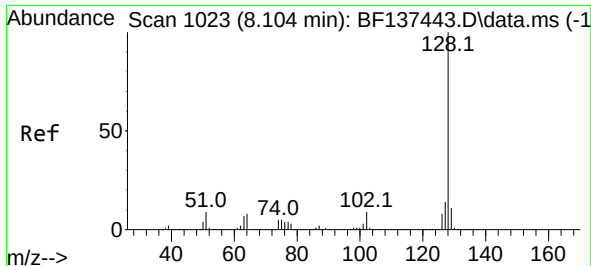
Tgt Ion:136 Resp: 887967
Ion Ratio Lower Upper
136 100
137 10.4 9.1 13.7
54 8.7 8.5 12.7
68 7.9 7.4 11.2



#23
Nitrobenzene-d5
Concen: 4.277 ng
RT: 7.292 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

Tgt Ion: 82 Resp: 81730
Ion Ratio Lower Upper
82 100
128 41.8 32.5 48.7
54 46.8 41.5 62.3

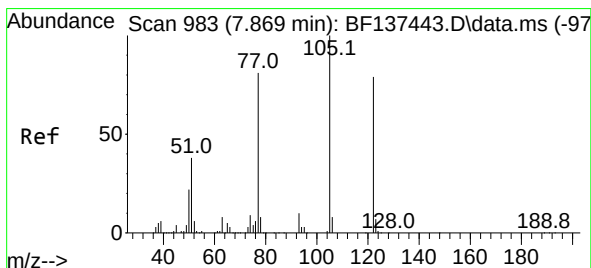
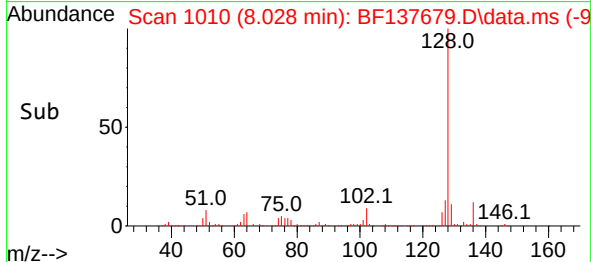
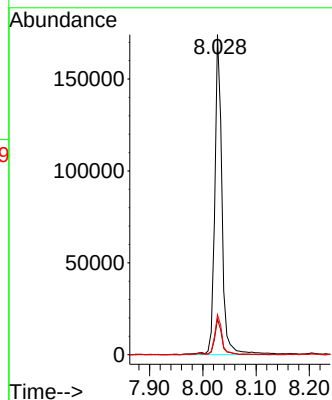
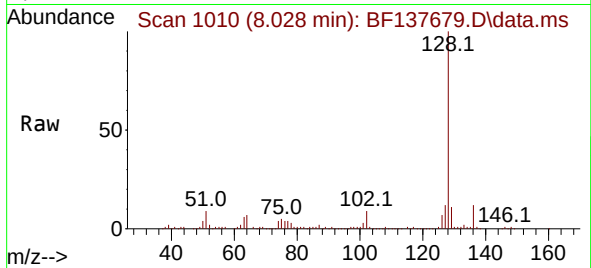




#31
Naphthalene
Concen: 3.442 ng
RT: 8.028 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

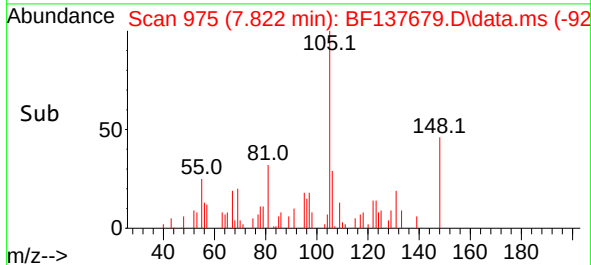
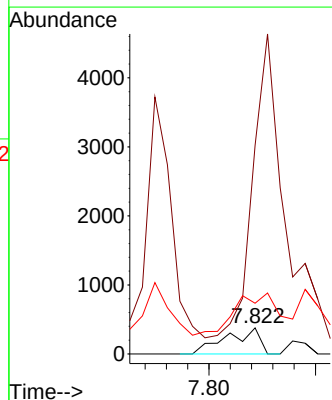
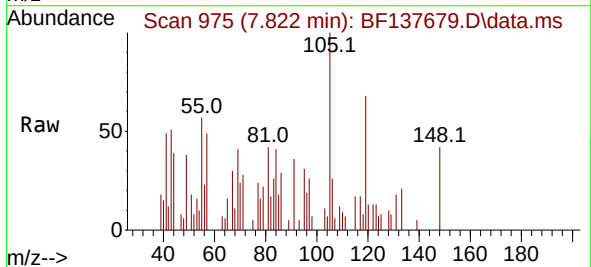
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BNA_F
ClientSampleId :
JC-03-03192024-ADL

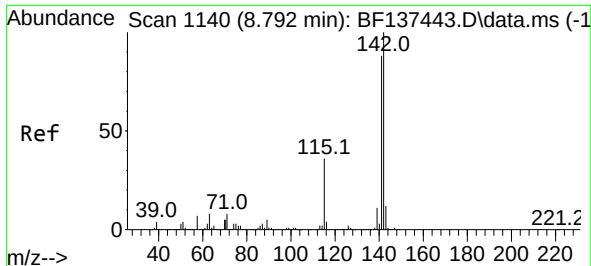
Tgt Ion:128 Resp: 164008
Ion Ratio Lower Upper
128 100
129 11.1 9.2 13.8
127 12.5 10.8 16.2



#32
Benzoic acid
Concen: 6.342 ng
RT: 7.822 min Scan# 975
Delta R.T. 0.023 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

Tgt Ion:122 Resp: 414
Ion Ratio Lower Upper
122 100
105 797.1 102.4 142.4#
77 193.7 81.1 121.1#





#37

2-Methylnaphthalene

Concen: 2.125 ng

RT: 8.722 min Scan# 1140

Delta R.T. -0.000 min

Lab File: BF137679.D

Acq: 22 Mar 2024 13:56

Instrument :

BNA_F

ClientSampleId :

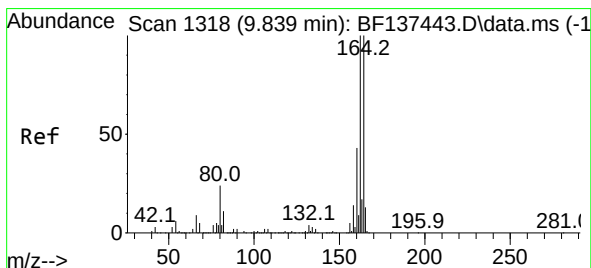
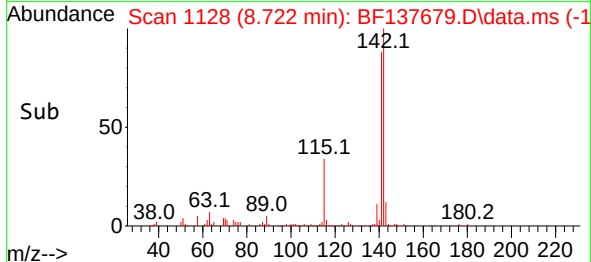
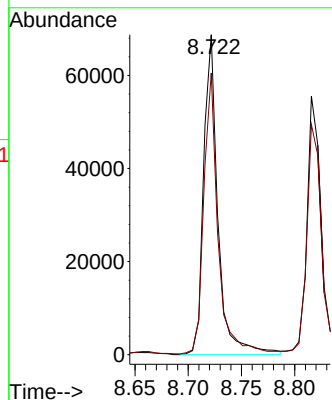
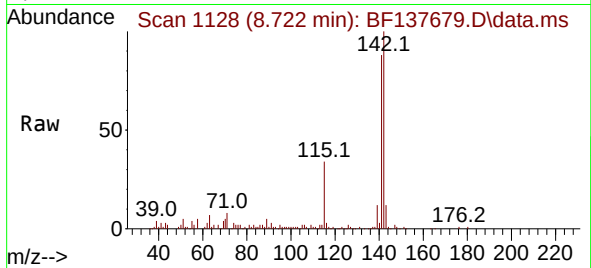
JC-03-03192024-ADL

Tgt Ion:142 Resp: 64533

Ion Ratio Lower Upper

142 100

141 88.0 70.4 105.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.757 min Scan# 1304

Delta R.T. -0.006 min

Lab File: BF137679.D

Acq: 22 Mar 2024 13:56

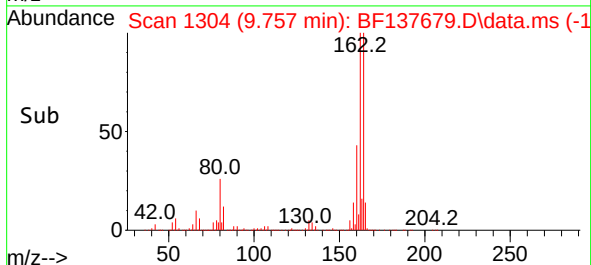
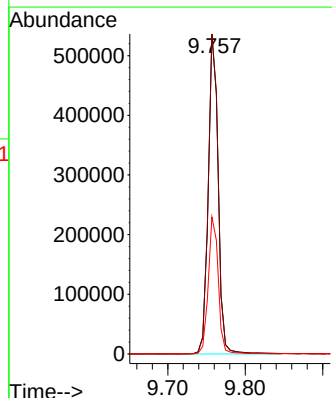
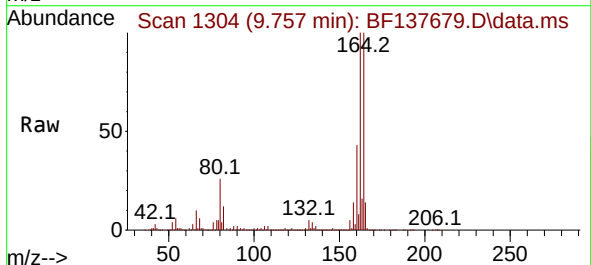
Tgt Ion:164 Resp: 475819

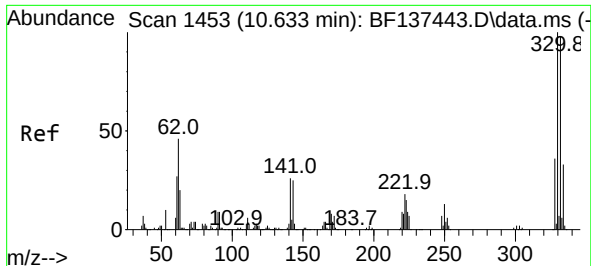
Ion Ratio Lower Upper

164 100

162 100.1 79.8 119.8

160 42.9 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 6.805 ng

RT: 10.545 min Scan# 1453

Delta R.T. -0.006 min

Lab File: BF137679.D

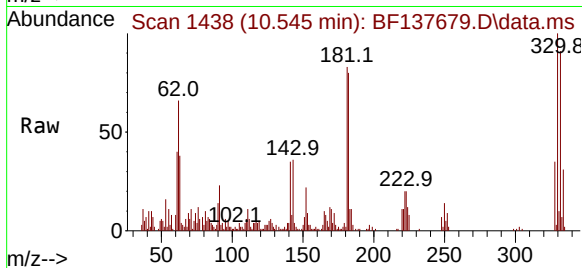
Acq: 22 Mar 2024 13:56

Instrument :

BNA_F

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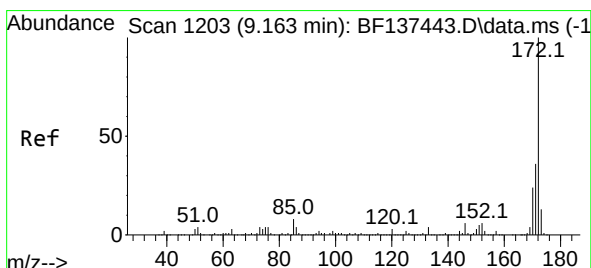
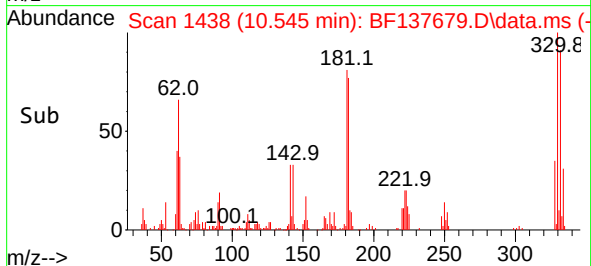
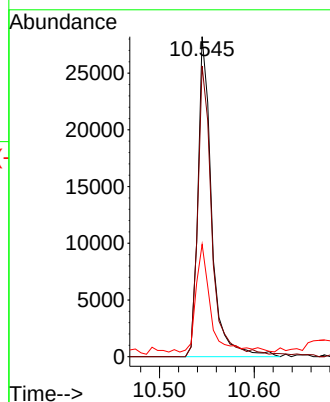
Tgt Ion:330 Resp: 28436

Ion Ratio Lower Upper

330 100

332 95.9 78.0 117.0

141 37.0 27.3 40.9



#45

2-Fluorobiphenyl

Concen: 5.836 ng

RT: 9.080 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF137679.D

Acq: 22 Mar 2024 13:56

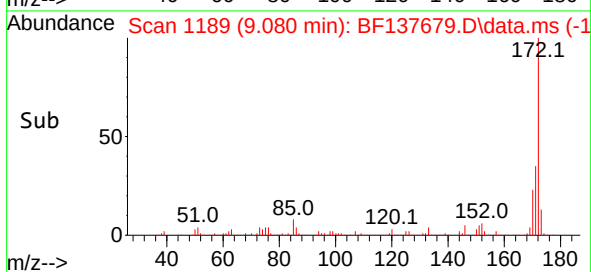
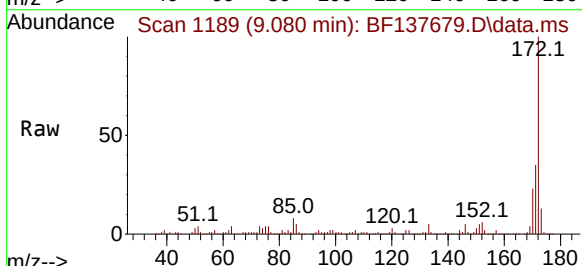
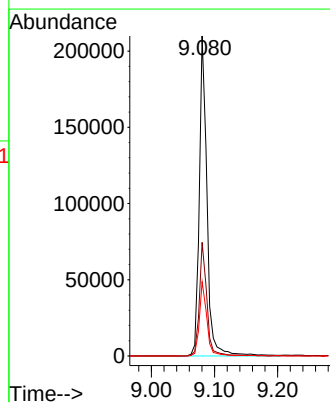
Tgt Ion:172 Resp: 177398

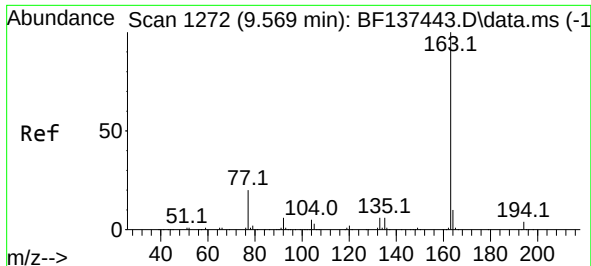
Ion Ratio Lower Upper

172 100

171 35.5 28.5 42.7

170 23.2 19.0 28.6

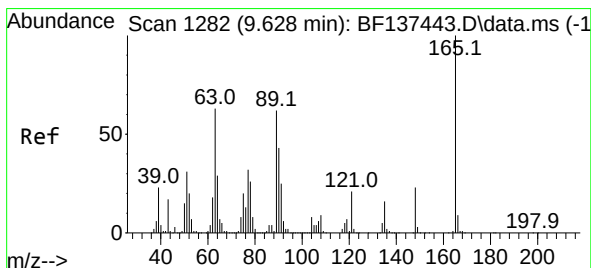
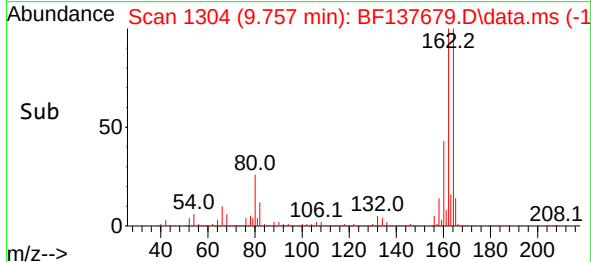
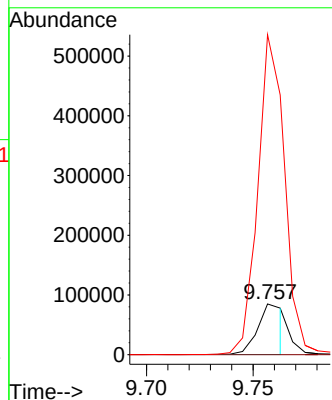
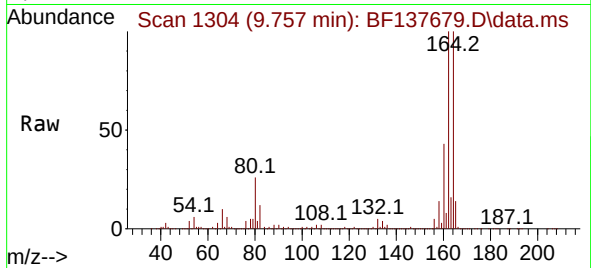




#50
Dimethylphthalate
Concen: 2.144 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.264 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

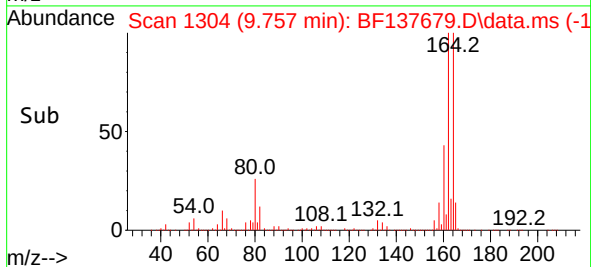
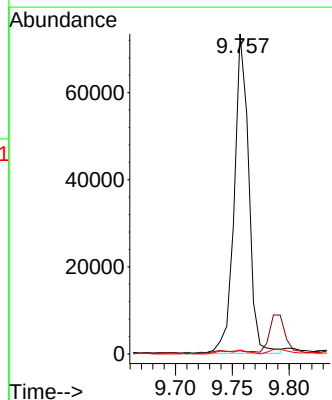
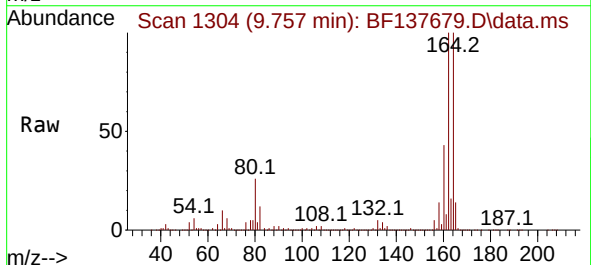
Instrument :
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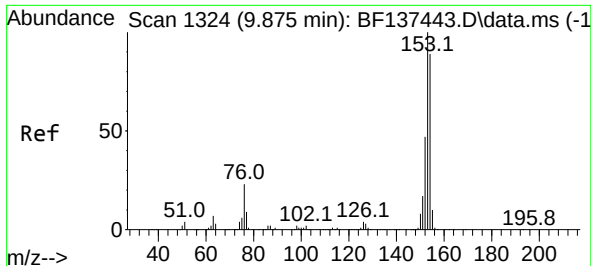
Tgt Ion:163 Resp: 71011
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 630.2 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 9.378 ng
RT: 9.757 min Scan# 1304
Delta R.T. 0.206 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

Tgt Ion:165 Resp: 64973
Ion Ratio Lower Upper
165 100
63 1.0 50.7 76.1#
89 1.3 50.0 75.0#

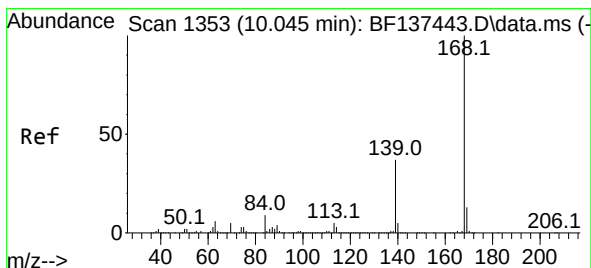
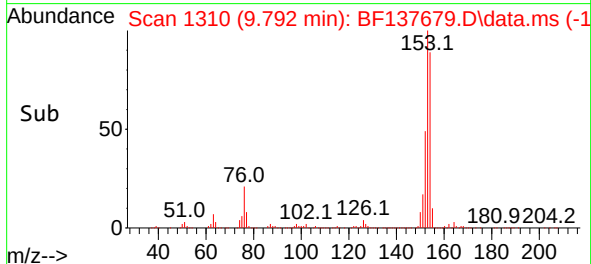
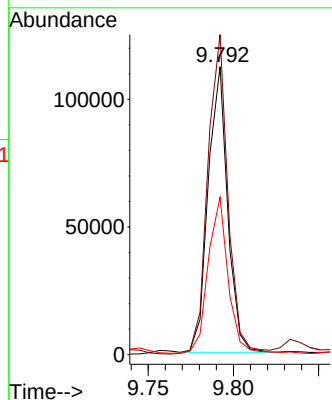
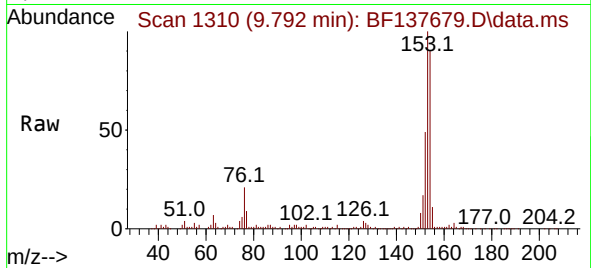




#52
Acenaphthene
Concen: 3.512 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.000 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

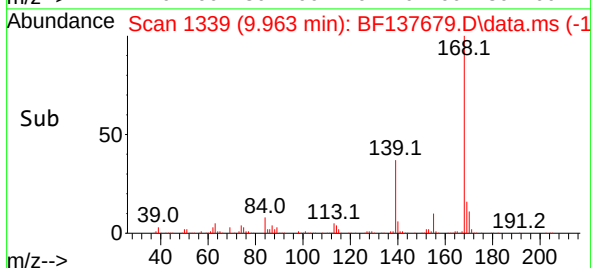
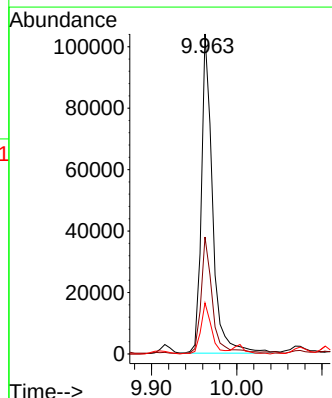
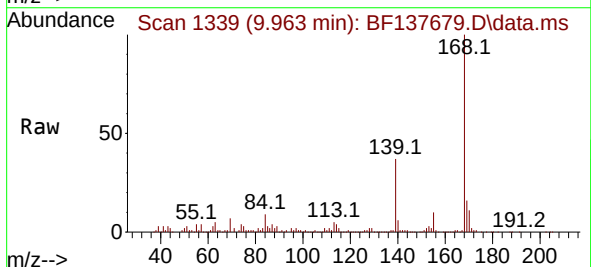
Instrument :
BNA_F
ClientSampleId :
JC-03-03192024-ADL

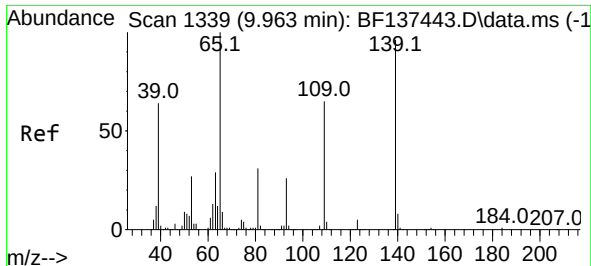
Tgt Ion:154 Resp: 89105
Ion Ratio Lower Upper
154 100
153 111.1 90.3 135.5
152 54.7 42.7 64.1



#55
Dibenzofuran
Concen: 2.463 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.006 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

Tgt Ion:168 Resp: 95152
Ion Ratio Lower Upper
168 100
139 36.6 29.8 44.6
169 15.9 10.8 16.2

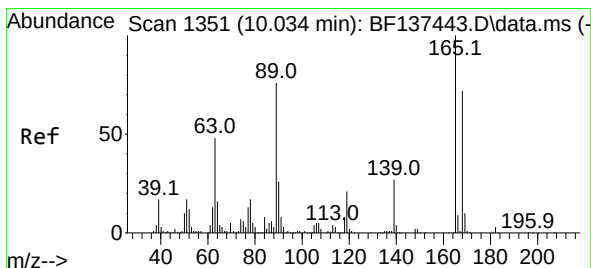
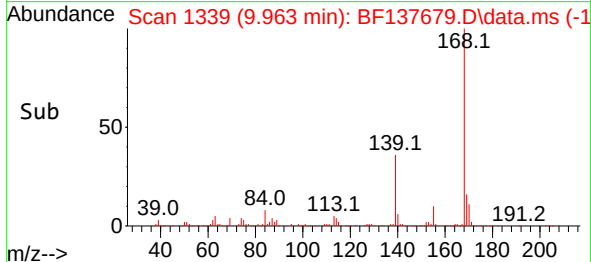
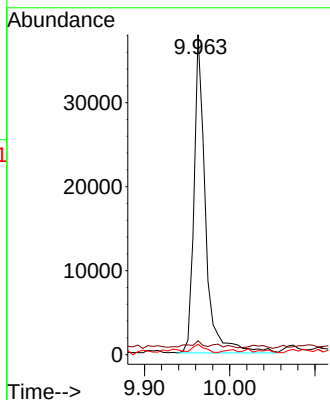
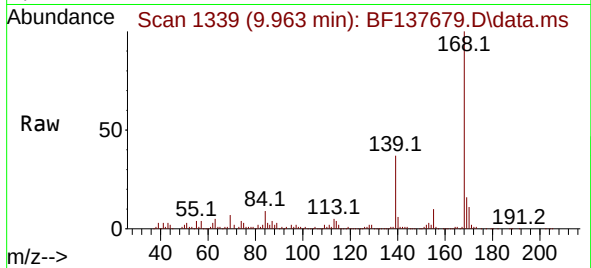




#56
4-Nitrophenol
Concen: 10.941 ng
RT: 9.963 min Scan# 11
Delta R.T. 0.076 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

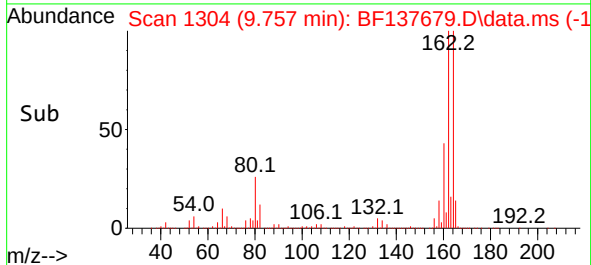
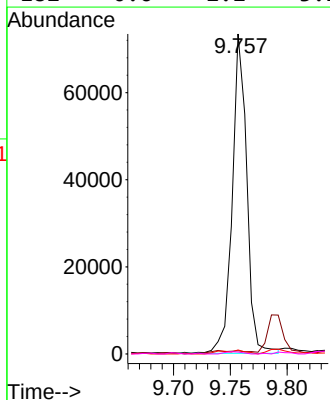
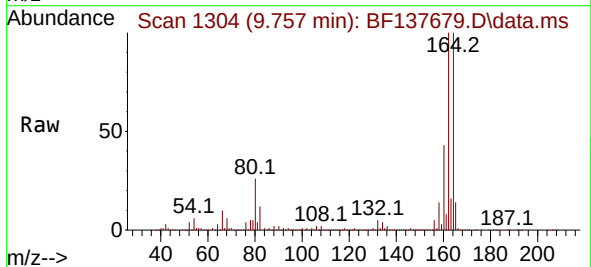
Instrument :
BNA_F
ClientSampleId :
JC-03-03192024-ADL

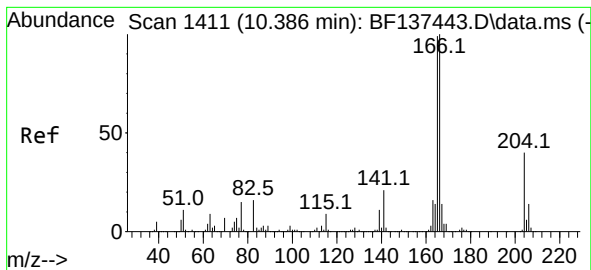
Tgt Ion:139 Resp: 35448
Ion Ratio Lower Upper
139 100
109 4.4 47.1 87.1#
65 3.2 85.1 125.1#



#57
2,4-Dinitrotoluene
Concen: 7.634 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.200 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

Tgt Ion:165 Resp: 64973
Ion Ratio Lower Upper
165 100
63 1.0 39.0 58.6#
89 1.3 60.9 91.3#
182 0.6 2.2 3.2#





#58

Fluorene

Concen: 4.850 ng

RT: 10.304 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF137679.D

Acq: 22 Mar 2024 13:56

Instrument :

BNA_F

ClientSampleId :

JC-03-03192024-ADL

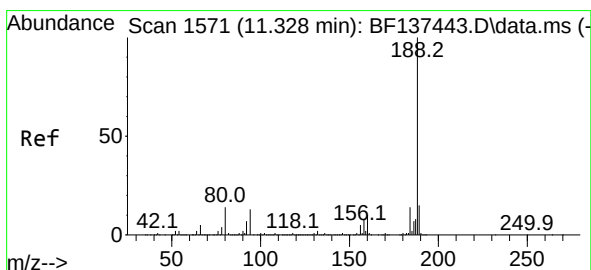
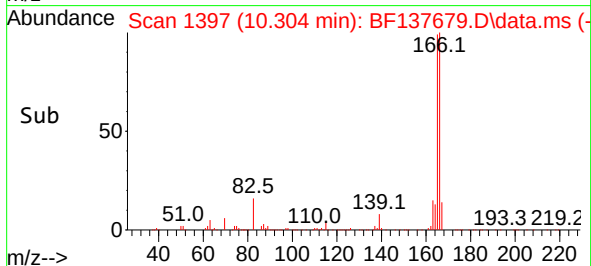
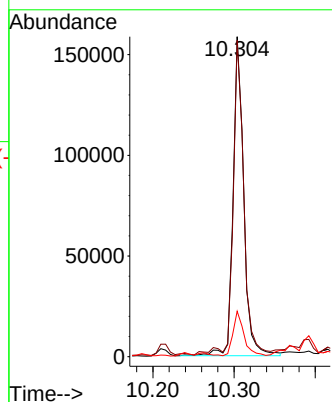
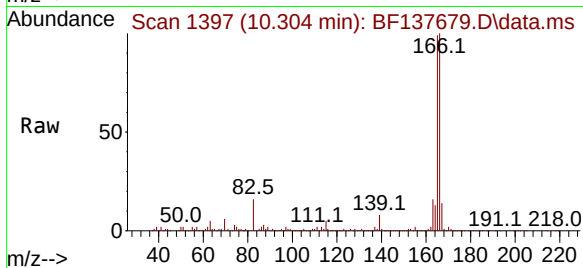
Tgt Ion:166 Resp: 143927

Ion Ratio Lower Upper

166 100

165 98.9 79.2 118.8

167 14.2 11.0 16.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.245 min Scan# 1557

Delta R.T. 0.006 min

Lab File: BF137679.D

Acq: 22 Mar 2024 13:56

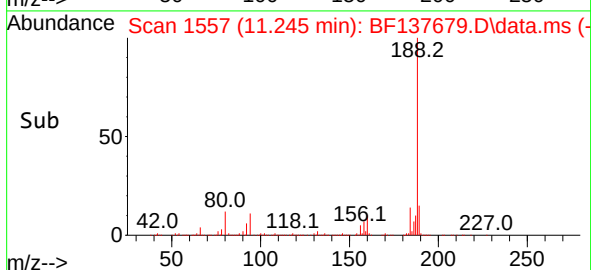
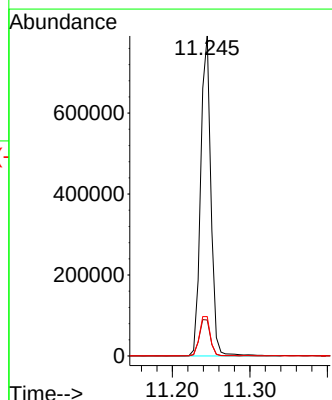
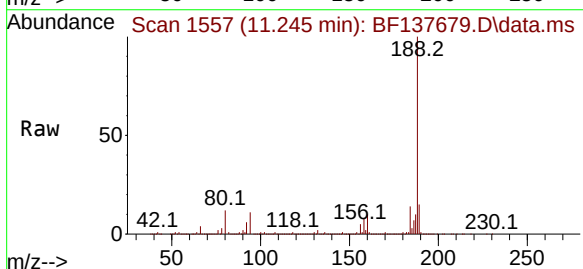
Tgt Ion:188 Resp: 723619

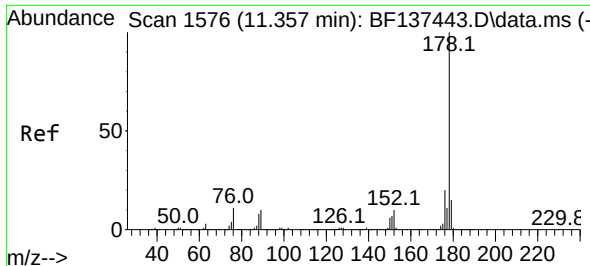
Ion Ratio Lower Upper

188 100

94 11.3 10.6 15.8

80 12.3 11.5 17.3

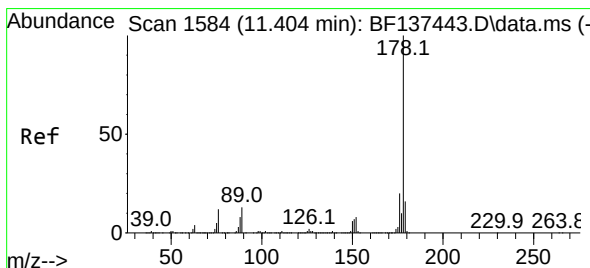
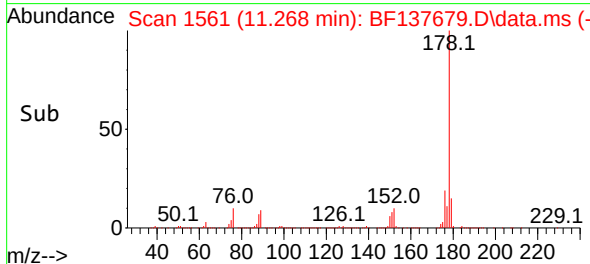
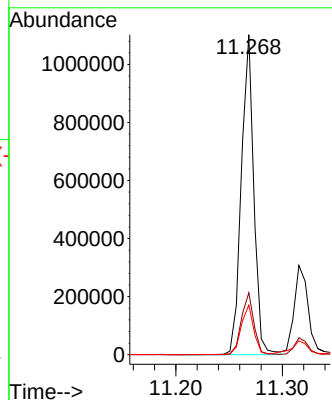
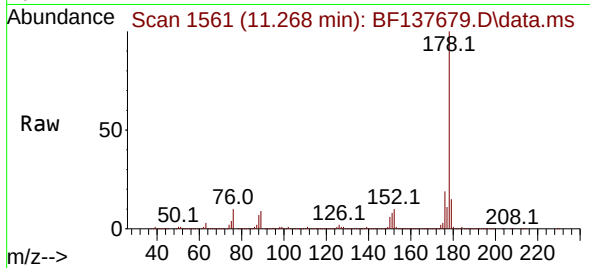




#71
Phenanthrene
Concen: 22.824 ng
RT: 11.268 min Scan# 1561
Delta R.T. -0.000 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

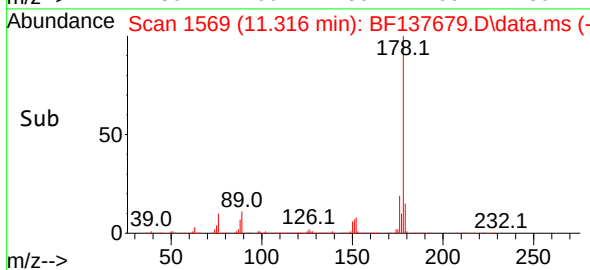
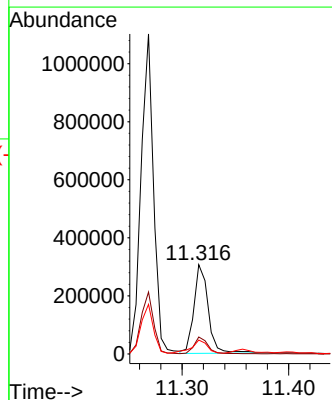
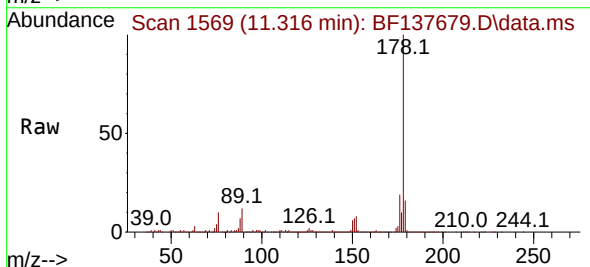
Instrument :
BNA_F
ClientSampleId :
JC-03-03192024-ADL

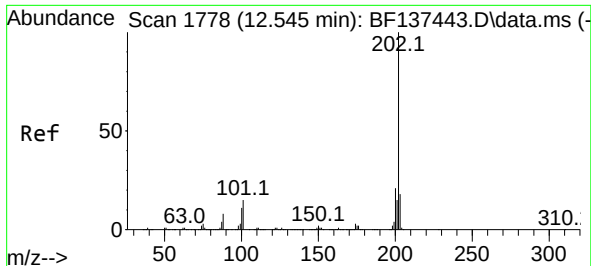
Tgt Ion:178 Resp: 898815
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.5 12.2 18.2



#72
Anthracene
Concen: 7.062 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

Tgt Ion:178 Resp: 285648
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.6 12.7 19.1

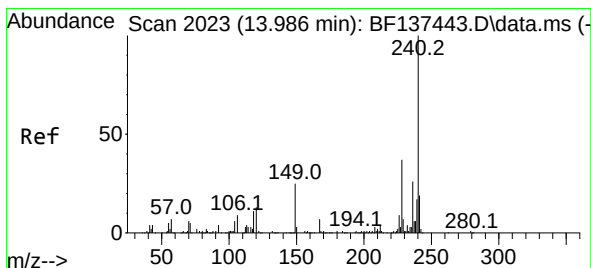
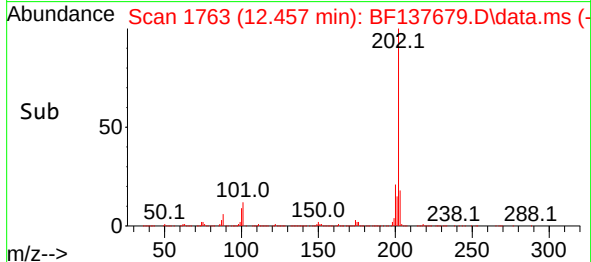
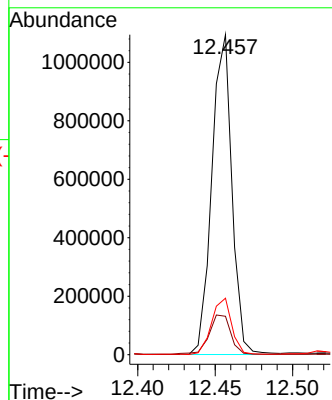
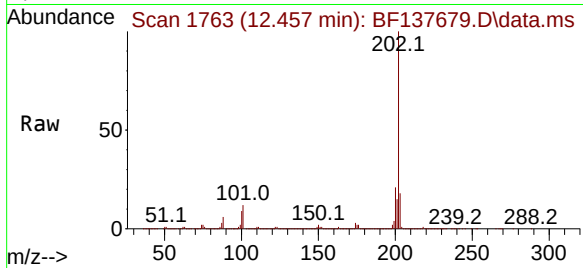




#75
Fluoranthene
Concen: 25.622 ng
RT: 12.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

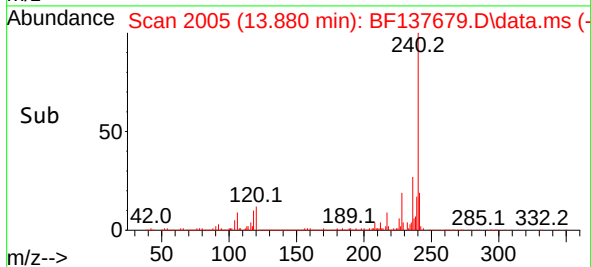
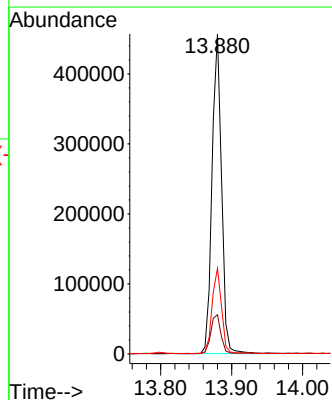
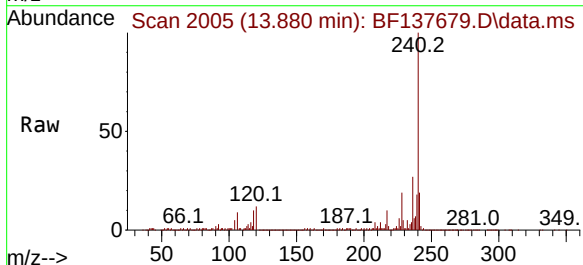
Instrument :
BNA_F
ClientSampleId :
JC-03-03192024-ADL

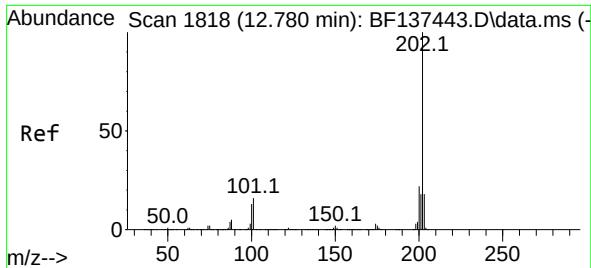
Tgt Ion:202 Resp: 986278
Ion Ratio Lower Upper
202 100
101 12.0 0.0 35.0
203 17.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2005
Delta R.T. 0.006 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

Tgt Ion:240 Resp: 426857
Ion Ratio Lower Upper
240 100
120 12.3 10.4 15.6
236 26.8 20.9 31.3

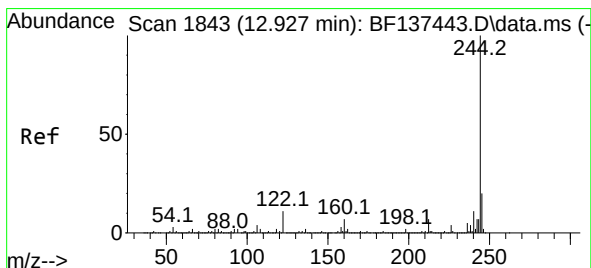
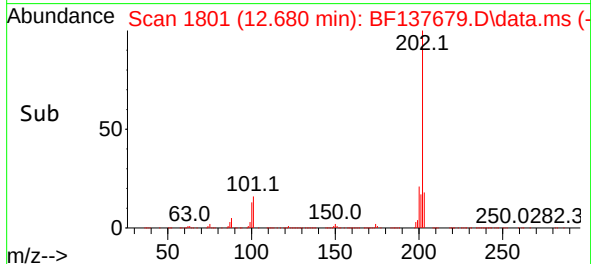
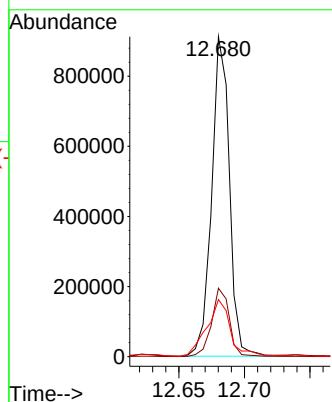
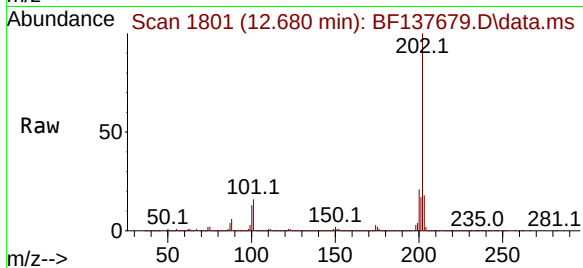




#78
Pyrene
Concen: 20.480 ng
RT: 12.680 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

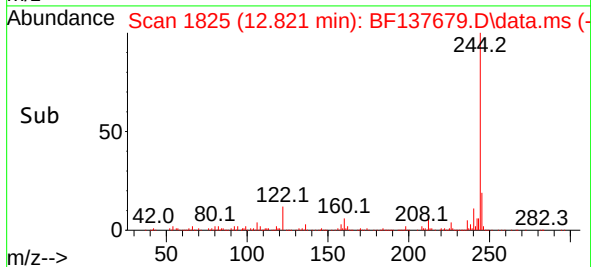
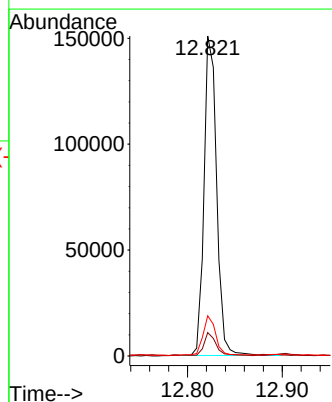
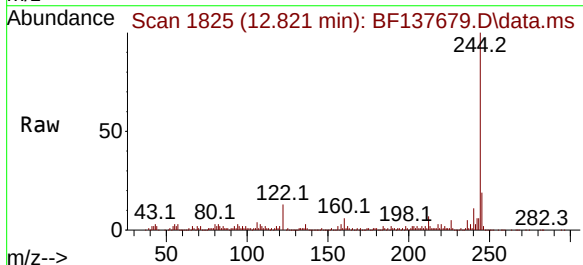
Instrument :
BNA_F
ClientSampleId :
JC-03-03192024-ADL

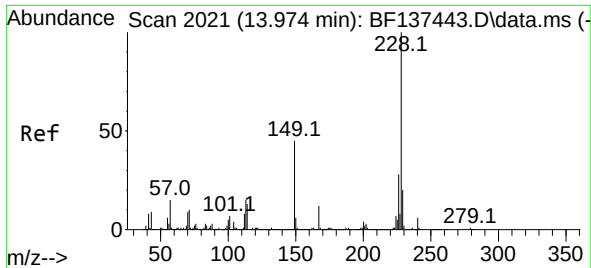
Tgt Ion:202 Resp: 857808
Ion Ratio Lower Upper
202 100
200 21.4 17.4 26.2
203 17.8 14.1 21.1



#79
Terphenyl-d14
Concen: 4.515 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

Tgt Ion:244 Resp: 140166
Ion Ratio Lower Upper
244 100
212 7.3 5.4 8.2
122 12.5 9.1 13.7

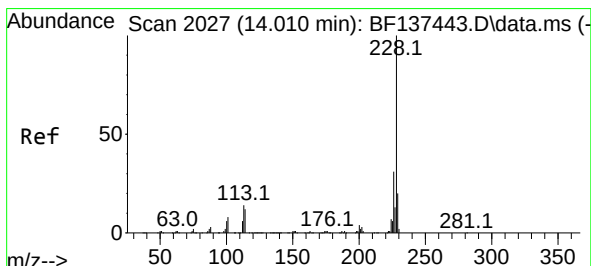
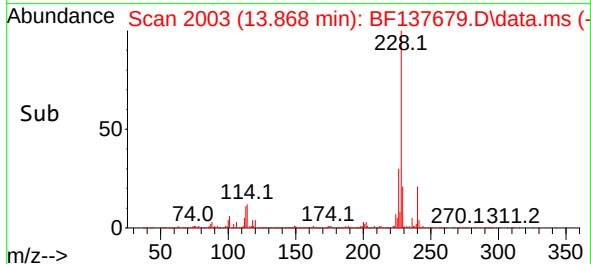
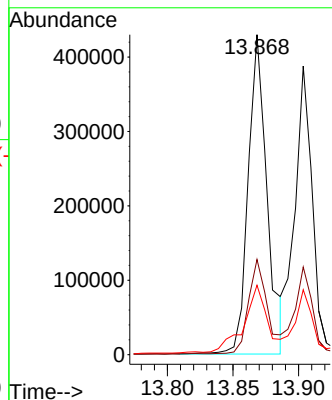
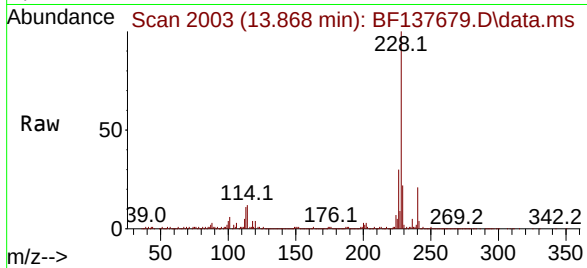




#81
Benzo(a)anthracene
Concen: 14.384 ng
RT: 13.868 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

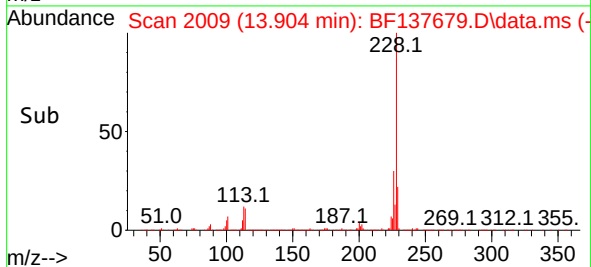
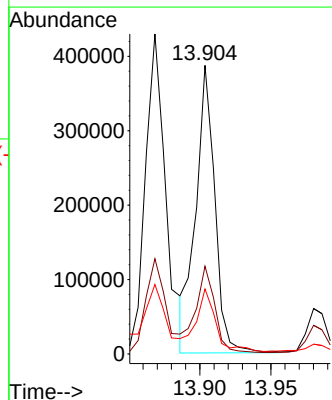
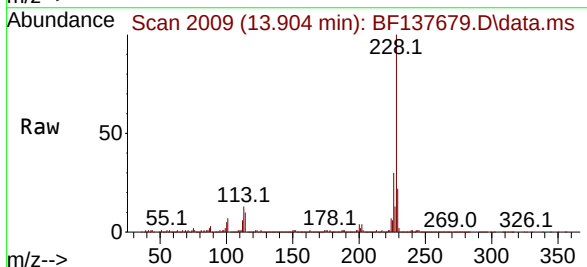
Instrument :
BNA_F
ClientSampleId :
JC-03-03192024-ADL

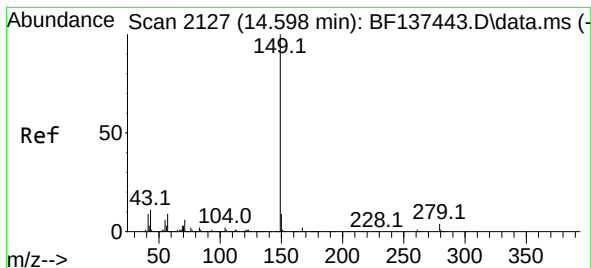
Tgt Ion:228 Resp: 430332
Ion Ratio Lower Upper
228 100
226 29.7 22.3 33.5
229 21.7 16.3 24.5



#83
Chrysene
Concen: 11.963 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF137679.D
Acq: 22 Mar 2024 13:56

Tgt Ion:228 Resp: 361729
Ion Ratio Lower Upper
228 100
226 30.4 24.7 37.1
229 22.5 15.9 23.9





#85

Di-n-octyl phthalate

Concen: 5.645 ng

RT: 14.474 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF137679.D

Acq: 22 Mar 2024 13:56

Instrument :

BNA_F

ClientSampleId :

JC-03-03192024-ADL

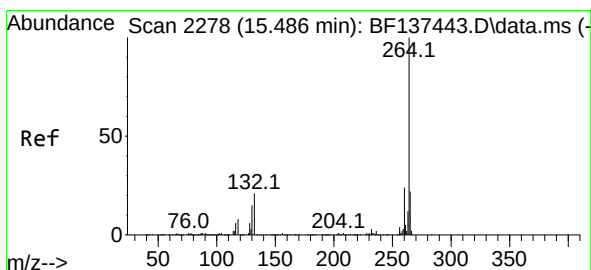
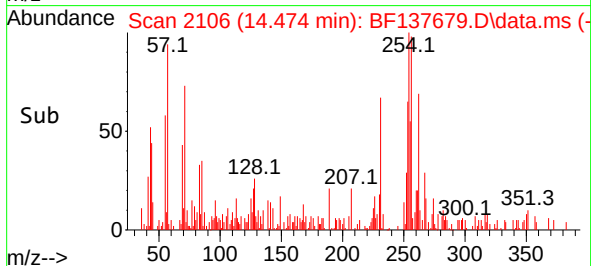
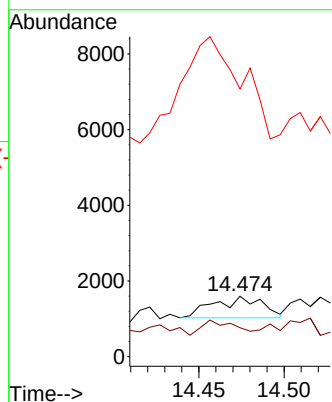
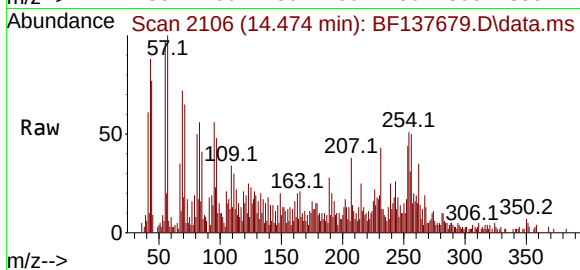
Tgt Ion:149 Resp: 1120

Ion Ratio Lower Upper

149 100

167 47.0 1.2 1.8#

43 668.9 9.6 14.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 2247

Delta R.T. 0.006 min

Lab File: BF137679.D

Acq: 22 Mar 2024 13:56

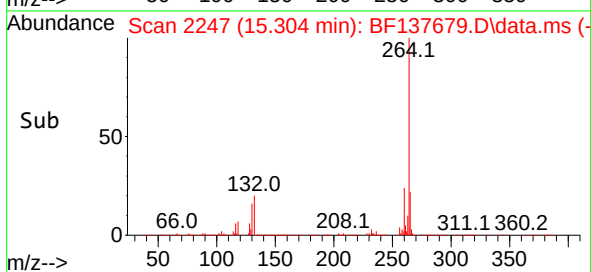
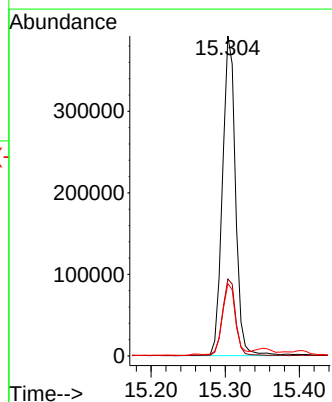
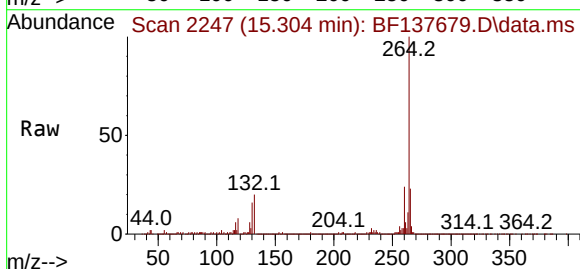
Tgt Ion:264 Resp: 479682

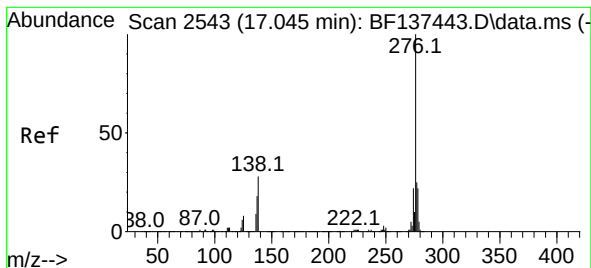
Ion Ratio Lower Upper

264 100

260 24.0 19.3 28.9

265 22.6 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.824 ng

RT: 16.692 min Scan# 2178

Delta R.T. 0.006 min

Lab File: BF137679.D

Acq: 22 Mar 2024 13:56

Instrument :

BNA_F

ClientSampleId :

JC-03-03192024-ADL

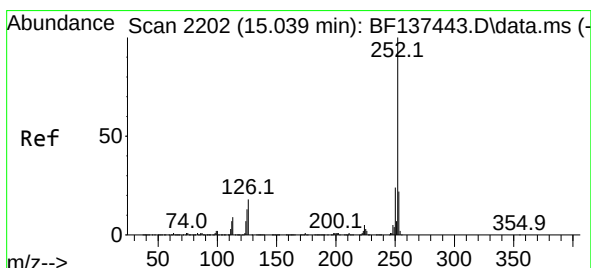
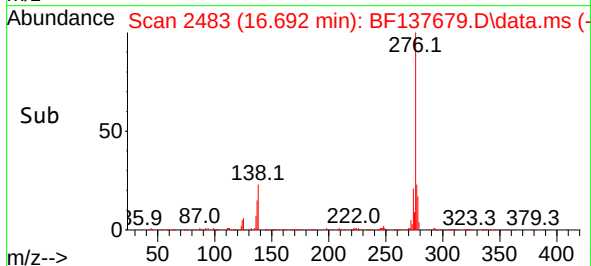
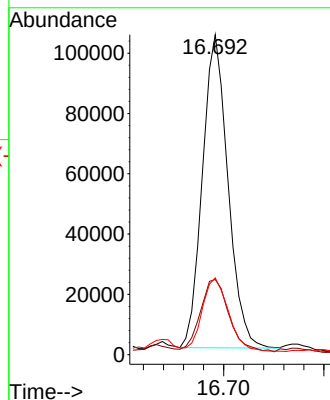
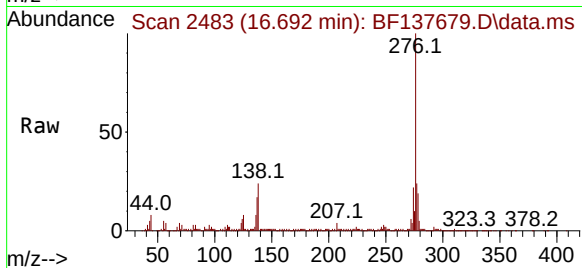
Tgt Ion:276 Resp: 183851

Ion Ratio Lower Upper

276 100

138 26.1 25.8 38.8

277 24.5 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 23.545 ng

RT: 14.898 min Scan# 2178

Delta R.T. 0.006 min

Lab File: BF137679.D

Acq: 22 Mar 2024 13:56

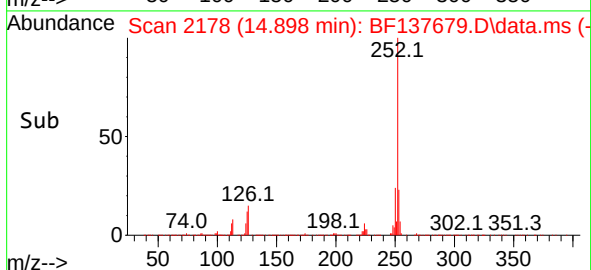
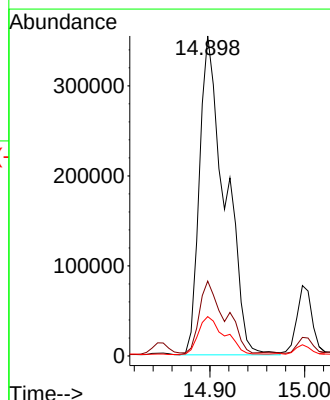
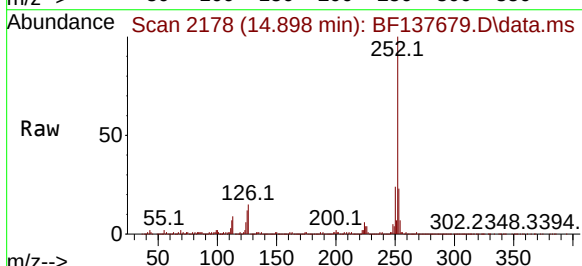
Tgt Ion:252 Resp: 668103

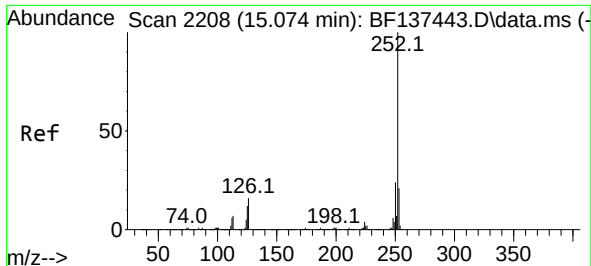
Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

125 12.3 10.1 15.1





#89

Benzo(k)fluoranthene

Concen: 21.921 ng

RT: 14.898 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF137679.D

Acq: 22 Mar 2024 13:56

Instrument :

BNA_F

ClientSampleId :

JC-03-03192024-ADL

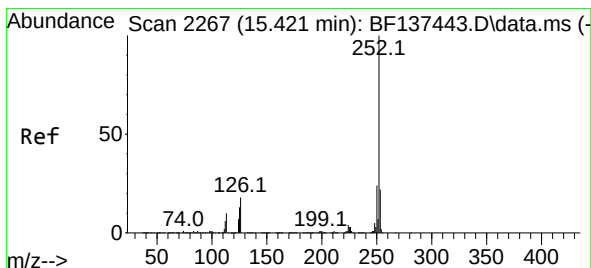
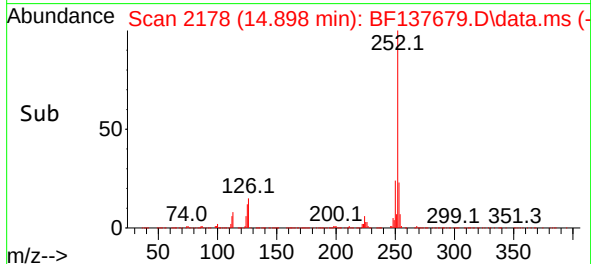
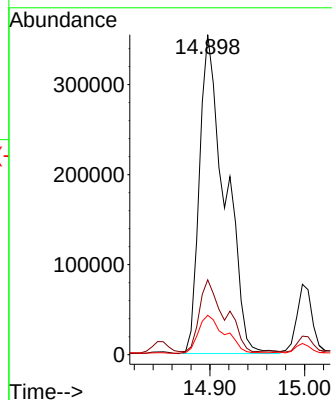
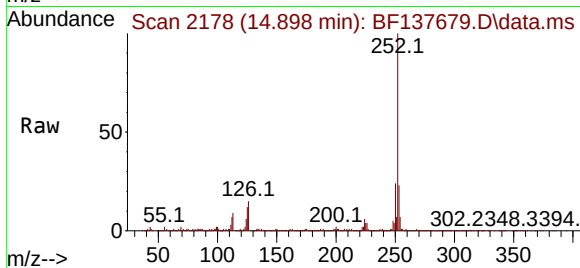
Tgt Ion:252 Resp: 668103

Ion Ratio Lower Upper

252 100

253 23.4 17.3 25.9

125 12.3 9.6 14.4



#90

Benzo(a)pyrene

Concen: 13.300 ng

RT: 15.245 min Scan# 2237

Delta R.T. 0.006 min

Lab File: BF137679.D

Acq: 22 Mar 2024 13:56

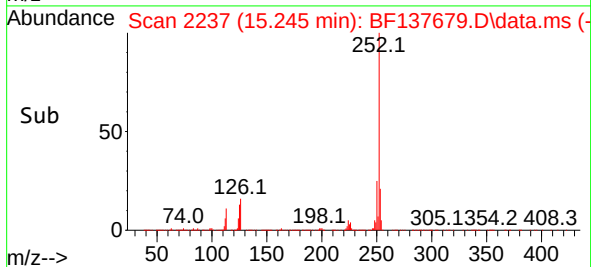
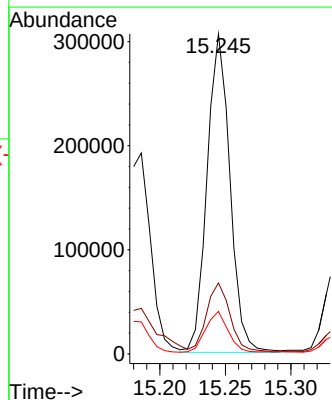
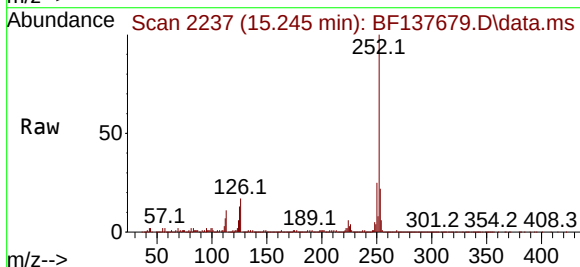
Tgt Ion:252 Resp: 371903

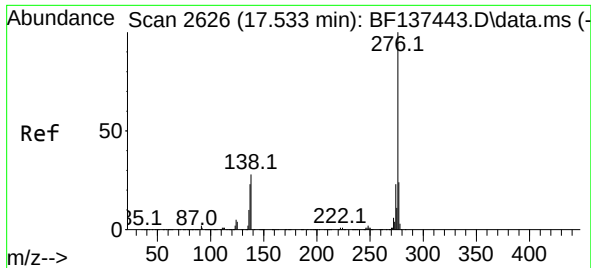
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

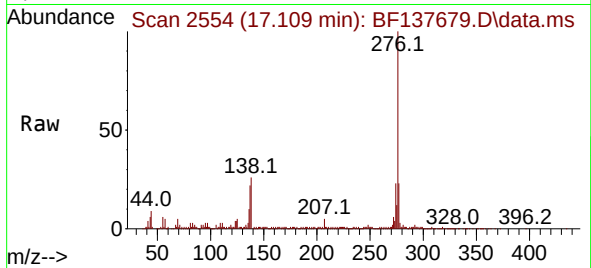
125 13.3 10.4 15.6





#92
 Benzo(g,h,i)perylene
 Concen: 6.522 ng
 RT: 17.109 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF137679.D
 Acq: 22 Mar 2024 13:56

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-03192024-ADL



Tgt Ion:276 Resp: 171524
 Ion Ratio Lower Upper
 276 100
 277 22.7 19.0 28.4
 138 25.6 22.2 33.2

