

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010424\
 Data File : BF136949.D
 Acq On : 04 Jan 2024 19:44
 Operator : CG\JU
 Sample : 06017-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB32-2-20231222-7.5-8.5-A

Quant Time: Jan 05 00:42:48 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

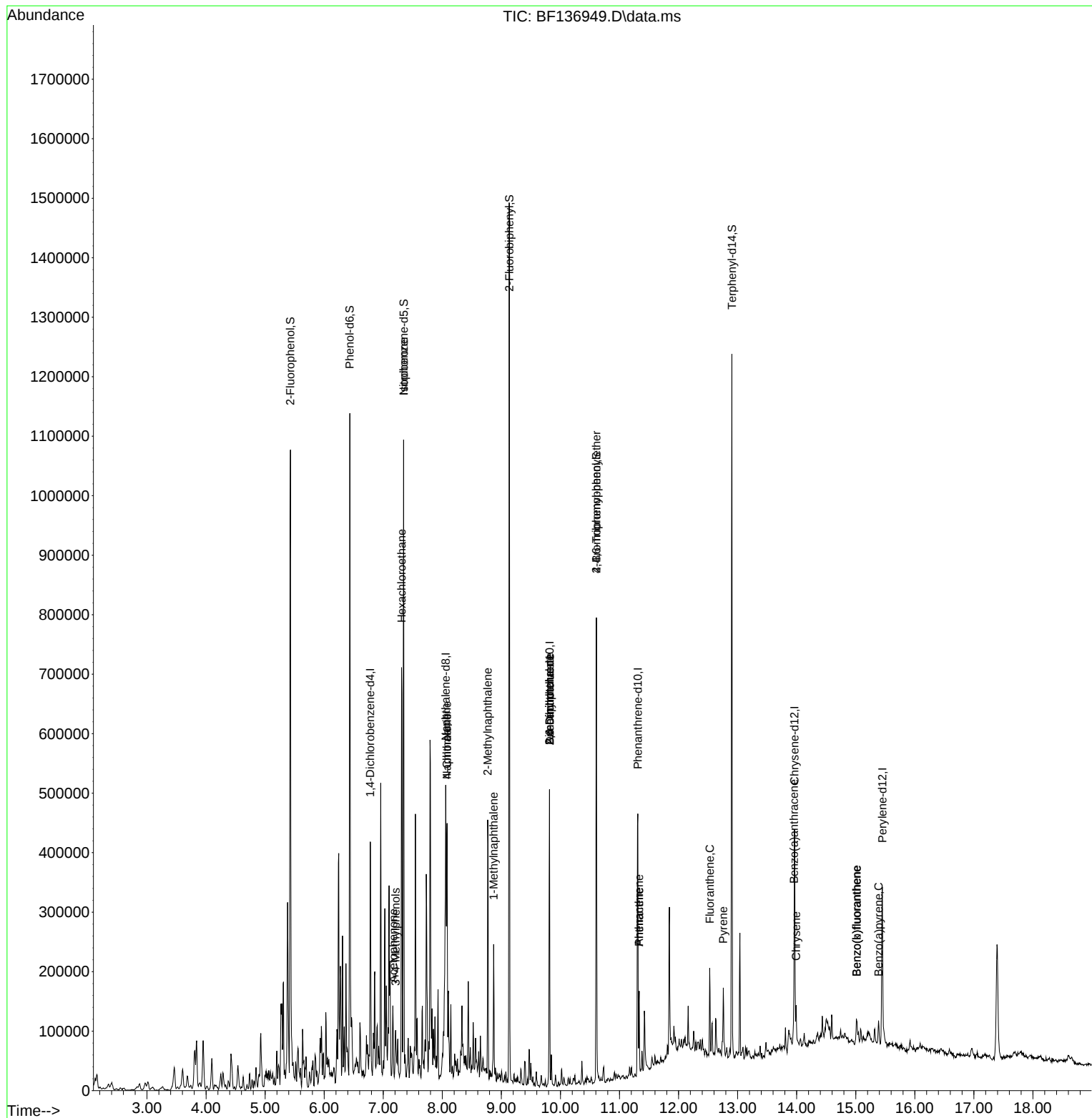
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	49540	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	184048	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	92300	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	173021	20.000	ng	0.00
76) Chrysene-d12	13.963	240	113002	20.000	ng	0.00
86) Perylene-d12	15.451	264	128142	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	300761	94.726	ng	0.00
7) Phenol-d6	6.434	99	366370	89.052	ng	0.00
23) Nitrobenzene-d5	7.345	82	216438	60.176	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	94013	86.485	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	417312	60.810	ng	-0.02
79) Terphenyl-d14	12.904	244	389530	48.172	ng	-0.01
Target Compounds						Qvalue
18) Hexachloroethane	7.310	117	40261	28.624	ng	# 1
20) 3+4-Methylphenols	7.210	107	19367	5.386	ng	# 49
22) Acetophenone	7.169	105	15779	3.420	ng	# 48
25) Isophorone	7.345	82	215612	32.945	ng	# 65
31) Naphthalene	8.081	128	121108	11.978	ng	99
33) 4-Chloroaniline	8.081	127	17693	4.739	ng	# 44
37) 2-Methylnaphthalene	8.769	142	116386	17.886	ng	100
38) 1-Methylnaphthalene	8.869	142	51773	8.110	ng	100
50) Dimethylphthalate	9.816	163	18559	2.753	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	11738	7.672	ng	# 30
57) 2,4-Dinitrotoluene	9.816	165	11738	5.909	ng	# 21
67) 4-Bromophenyl-phenylether	10.610	248	5384	2.802	ng	# 1
71) Phenanthrene	11.333	178	51289	5.777	ng	98
72) Anthracene	11.333	178	51289	5.705	ng	98
75) Fluoranthene	12.527	202	54242	5.712	ng	96
78) Pyrene	12.757	202	47413	4.274	ng	98
81) Benzo(a)anthracene	13.957	228	24490	3.121	ng	96
83) Chrysene	13.992	228	26128	3.405	ng	95
88) Benzo(b)fluoranthene	15.015	252	31199	3.645	ng	# 94
89) Benzo(k)fluoranthene	15.015	252	31199	3.858	ng	# 94
90) Benzo(a)pyrene	15.386	252	15471	2.141	ng	# 91

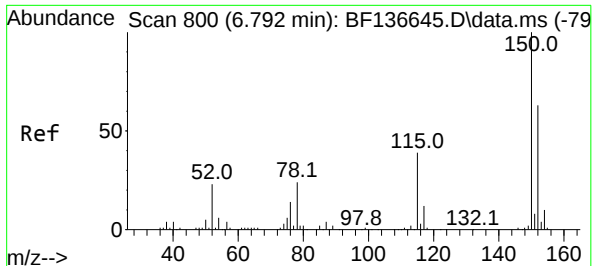
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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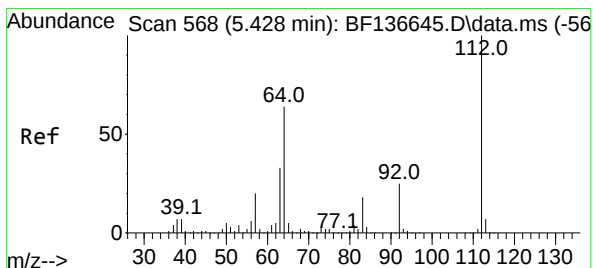
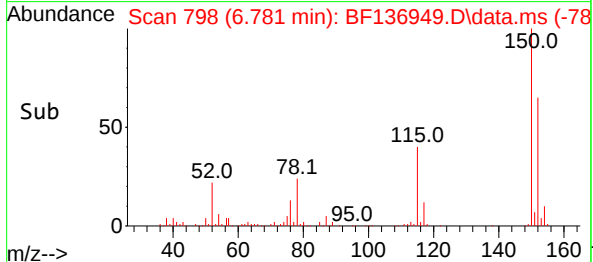
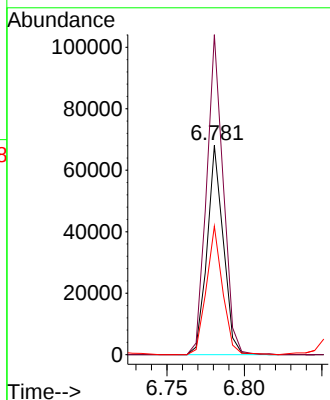
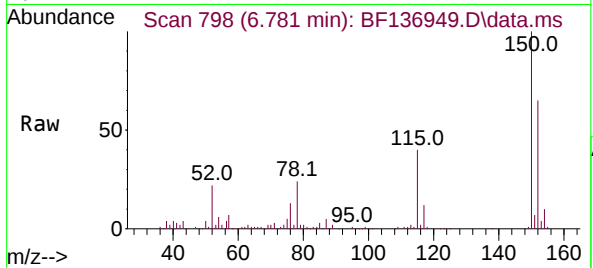




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

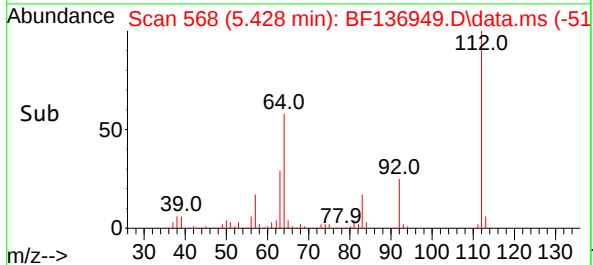
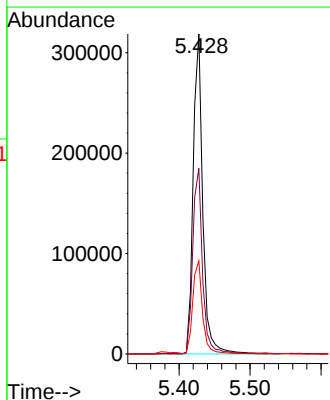
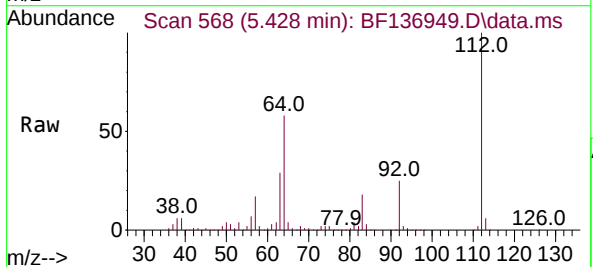
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5-A

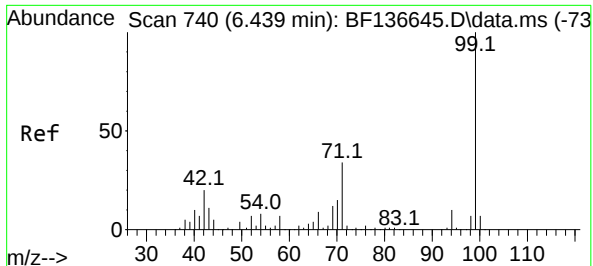
Tgt Ion:152 Resp: 49540
Ion Ratio Lower Upper
152 100
150 152.8 127.0 190.6
115 61.4 49.0 73.4



#5
2-Fluorophenol
Concen: 94.726 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

Tgt Ion:112 Resp: 300761
Ion Ratio Lower Upper
112 100
64 58.0 51.1 76.7
63 29.1 26.1 39.1

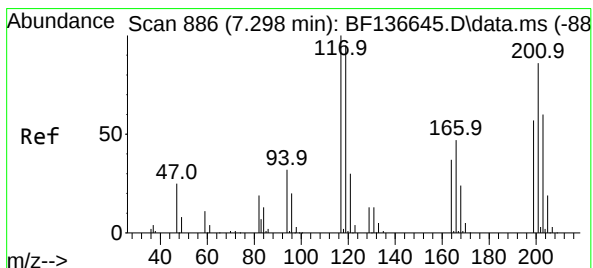
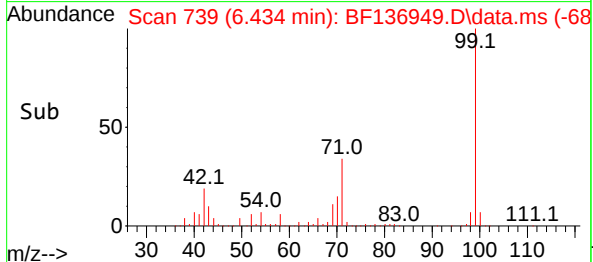
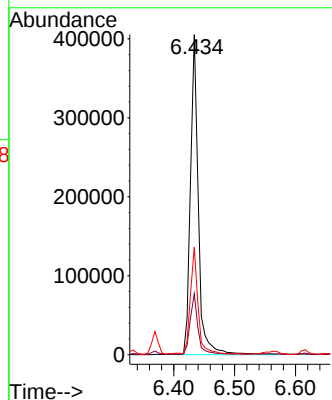
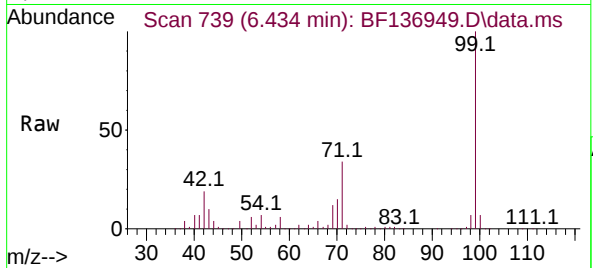




#7
Phenol-d6
Concen: 89.052 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

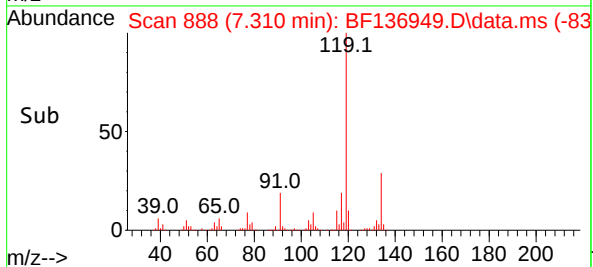
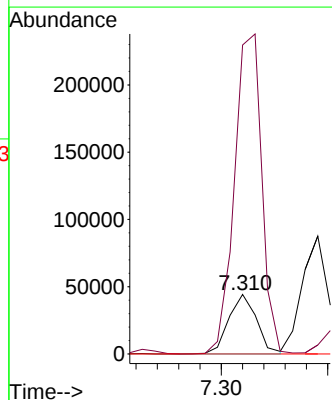
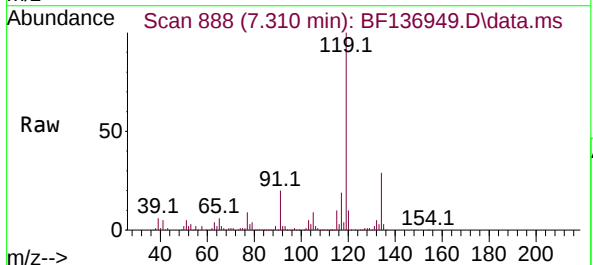
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5-A

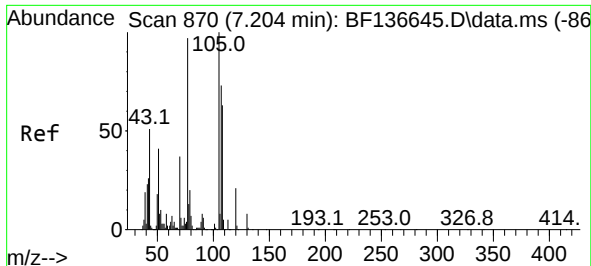
Tgt Ion: 99 Resp: 366370
Ion Ratio Lower Upper
99 100
42 19.0 16.1 24.1
71 33.6 27.4 41.2



#18
Hexachloroethane
Concen: 28.624 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.012 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

Tgt Ion: 117 Resp: 40261
Ion Ratio Lower Upper
117 100
119 519.3 75.8 113.6#
201 0.0 69.1 103.7#





#20

3+4-Methylphenols

Concen: 5.386 ng

RT: 7.210 min Scan# 81

Delta R.T. 0.006 min

Lab File: BF136949.D

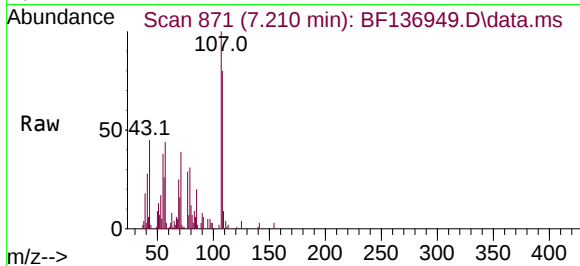
Acq: 04 Jan 2024 19:44

Instrument :

BNA_F

ClientSampleId :

SB32-2-20231222-7.5-8.5-A



Tgt Ion:107 Resp: 19367

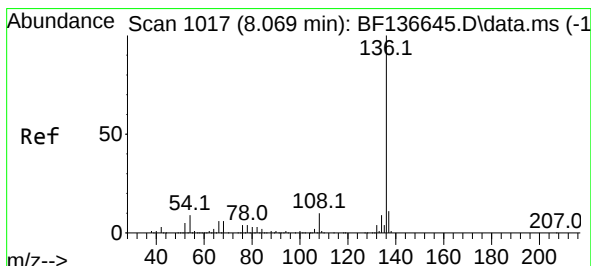
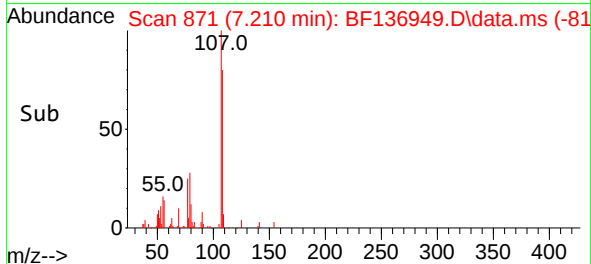
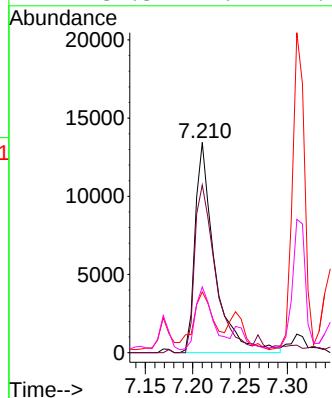
Ion Ratio Lower Upper

107 100

108 79.8 66.0 106.0

77 28.9 114.2 154.2#

79 31.3 7.2 47.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1015

Delta R.T. -0.012 min

Lab File: BF136949.D

Acq: 04 Jan 2024 19:44

Tgt Ion:136 Resp: 184048

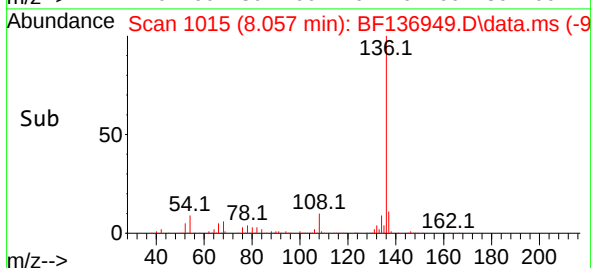
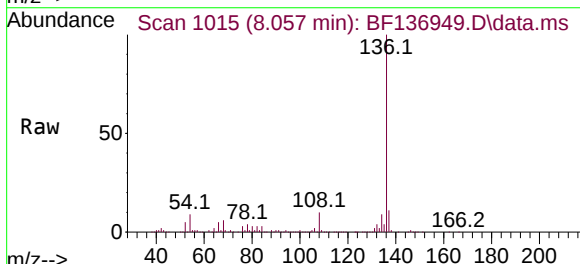
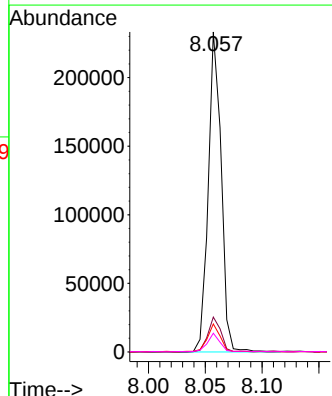
Ion Ratio Lower Upper

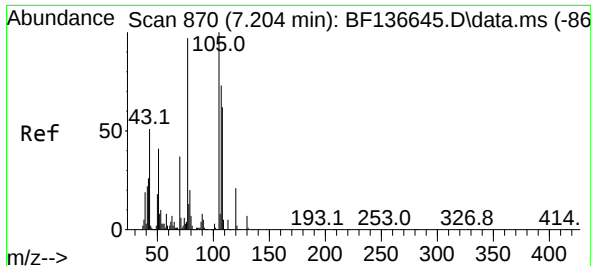
136 100

137 10.9 9.0 13.4

54 8.7 7.2 10.8

68 5.9 4.9 7.3

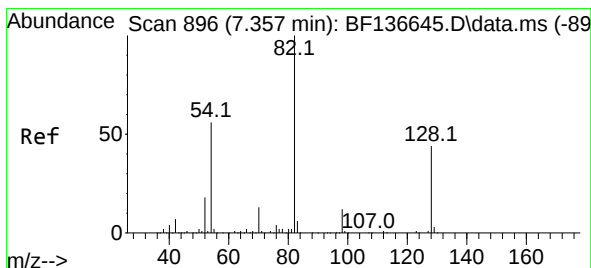
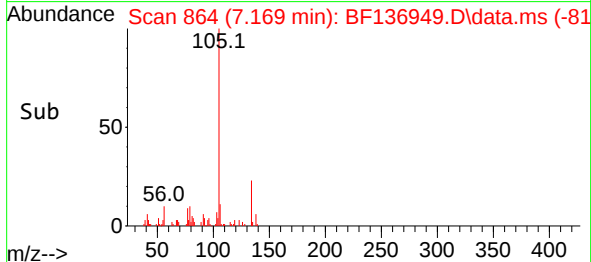
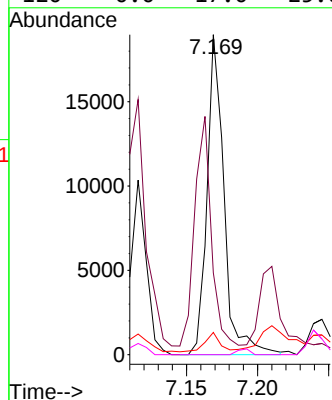
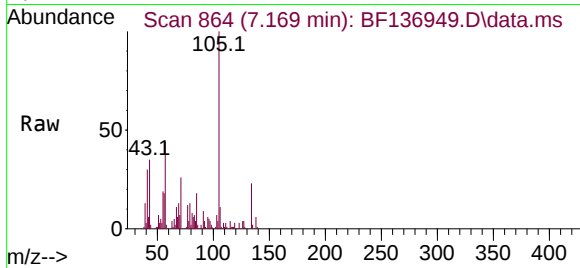




#22
Acetophenone
Concen: 3.420 ng
RT: 7.169 min Scan# 864
Delta R.T. -0.035 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

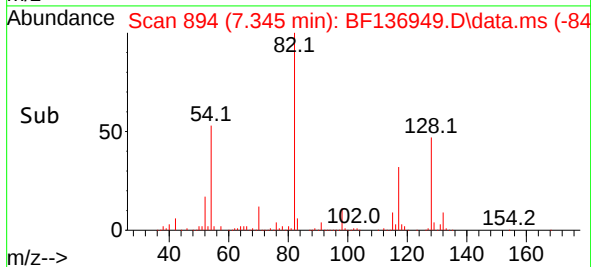
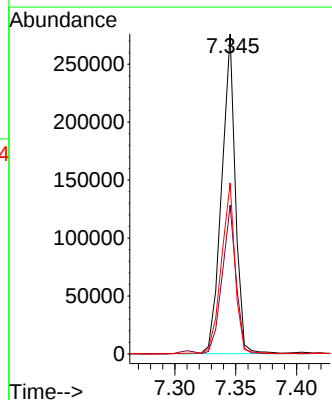
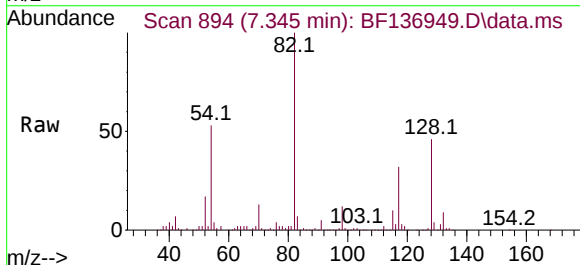
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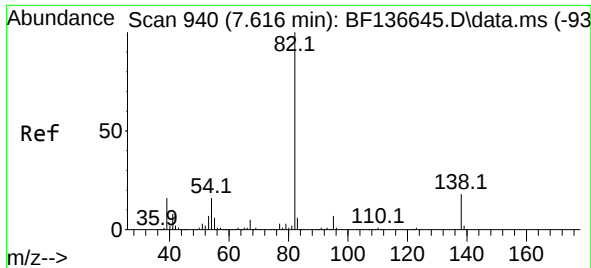
Tgt Ion:105 Resp: 15779
Ion Ratio Lower Upper
105 100
71 25.6 4.8 7.2#
51 7.0 32.8 49.2#
120 0.0 17.0 25.6#



#23
Nitrobenzene-d5
Concen: 60.176 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

Tgt Ion: 82 Resp: 216438
Ion Ratio Lower Upper
82 100
128 46.5 35.3 52.9
54 53.5 44.5 66.7

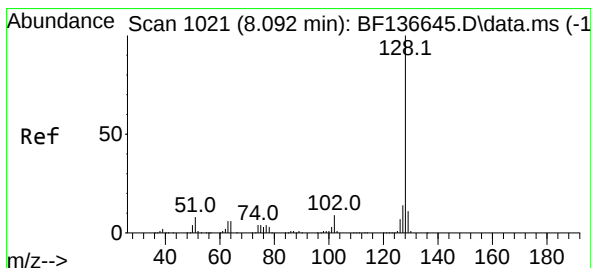
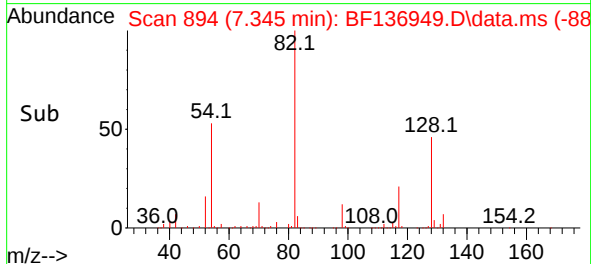
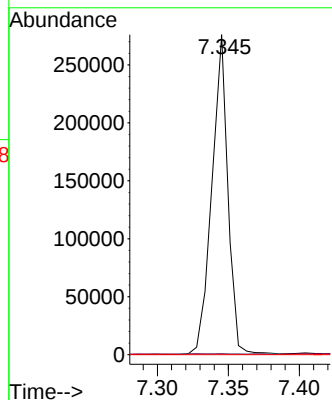
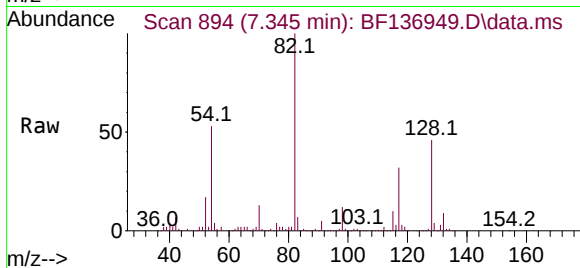




#25
Isophorone
Concen: 32.945 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

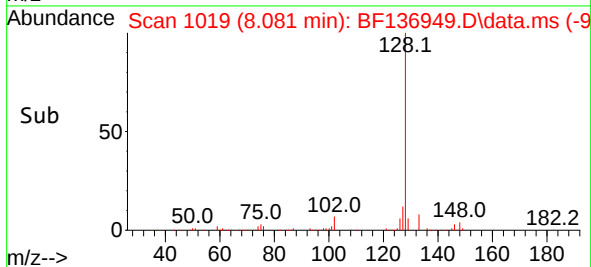
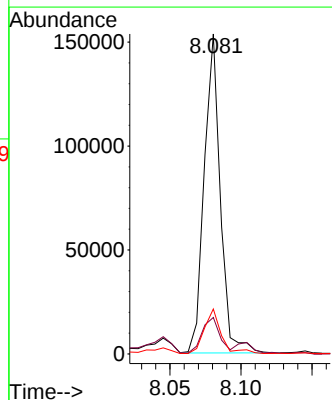
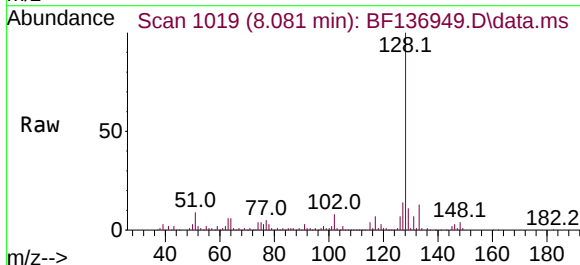
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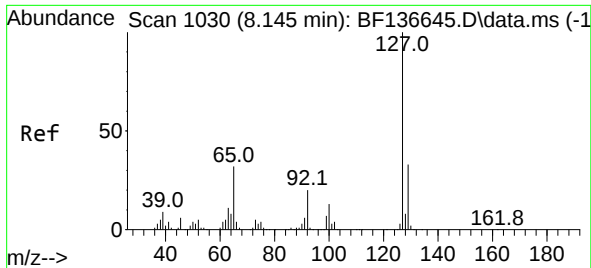
Tgt Ion: 82 Resp: 215612
Ion Ratio Lower Upper
82 100
95 0.3 5.5 8.3#
138 0.0 14.5 21.7#



#31
Naphthalene
Concen: 11.978 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.012 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

Tgt Ion: 128 Resp: 121108
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 14.0 10.8 16.2

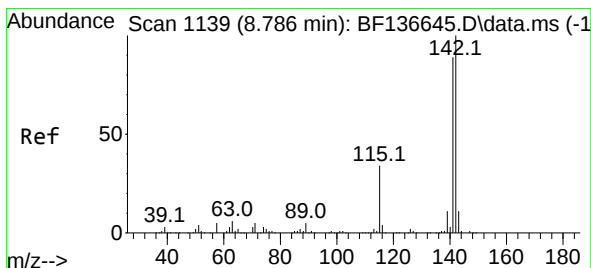
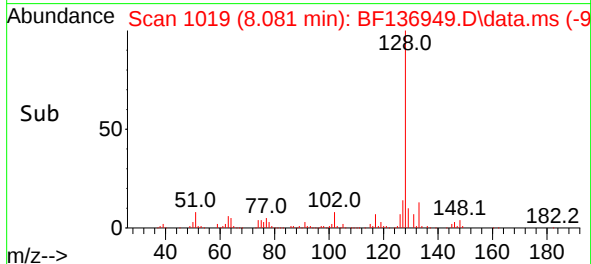
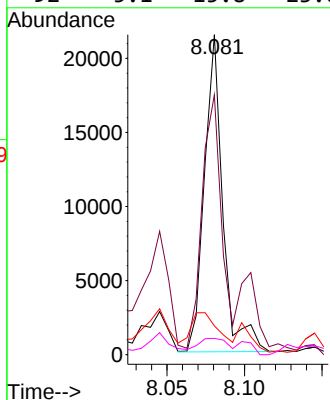
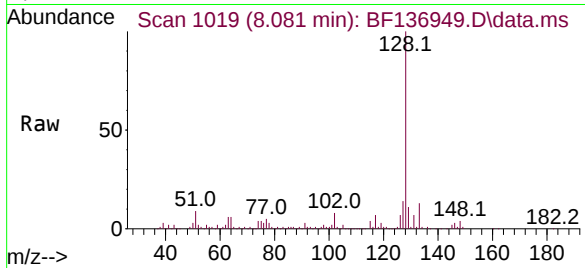




#33
4-Chloroaniline
Concen: 4.739 ng
RT: 8.081 min Scan# 1109
Delta R.T. -0.065 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

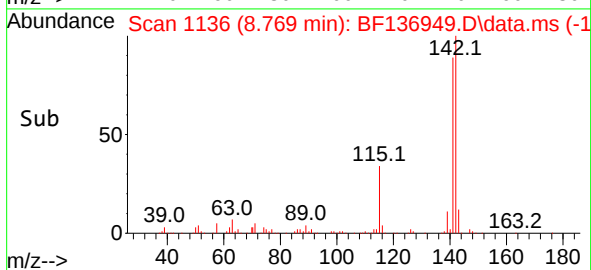
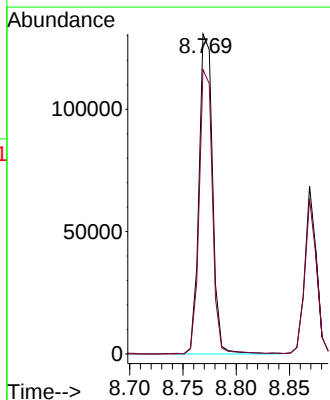
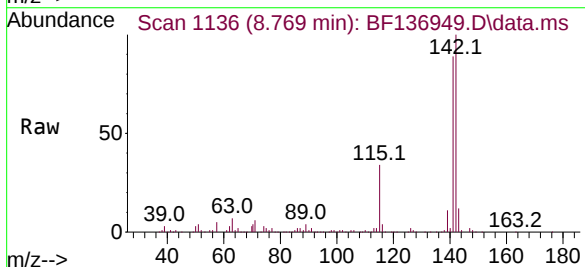
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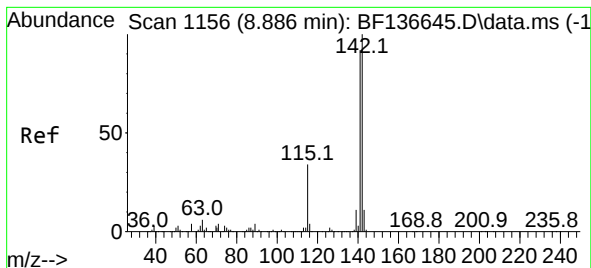
Tgt Ion:127	Resp: 17693
Ion Ratio	Lower Upper
127 100	
129 81.2	26.3 39.5#
65 9.0	25.8 38.8#
92 5.1	15.8 23.6#



#37
2-Methylnaphthalene
Concen: 17.886 ng
RT: 8.769 min Scan# 1136
Delta R.T. -0.018 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

Tgt Ion:142	Resp: 116386
Ion Ratio	Lower Upper
142 100	
141 88.9	71.1 106.7





#38

1-Methylnaphthalene

Concen: 8.110 ng

RT: 8.869 min Scan# 1153

Delta R.T. -0.018 min

Lab File: BF136949.D

Acq: 04 Jan 2024 19:44

Instrument :

BNA_F

ClientSampleId :

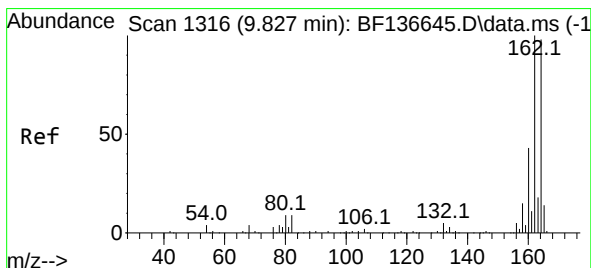
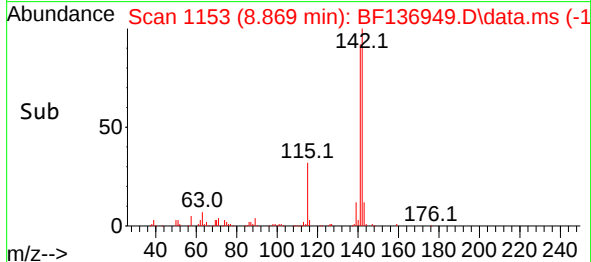
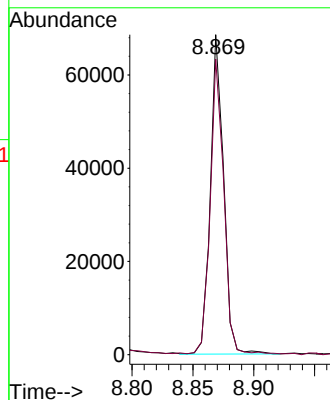
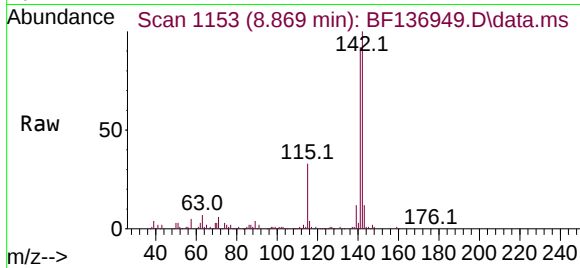
SB32-2-20231222-7.5-8.5-A

Tgt Ion:142 Resp: 51773

Ion Ratio Lower Upper

142 100

141 92.4 73.6 110.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF136949.D

Acq: 04 Jan 2024 19:44

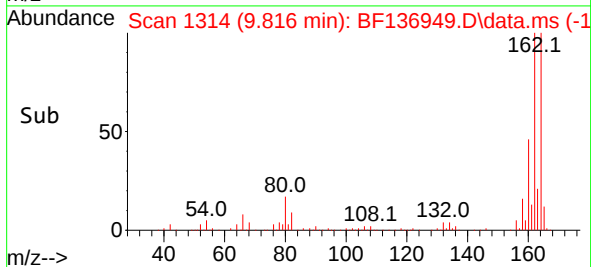
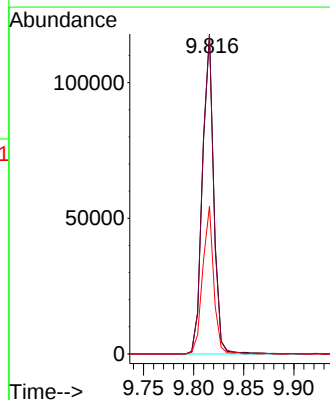
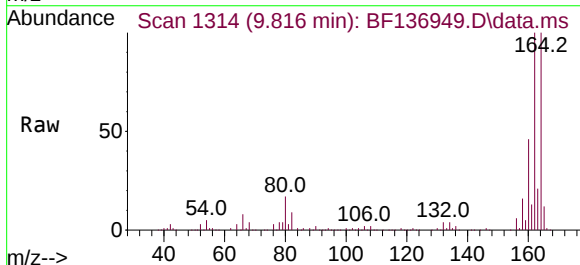
Tgt Ion:164 Resp: 92300

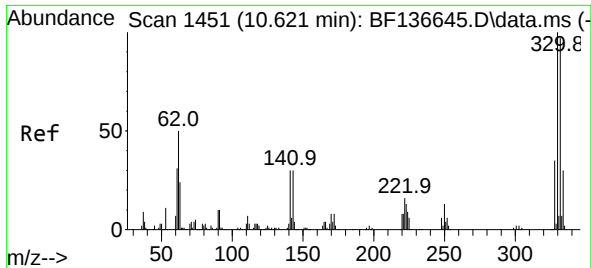
Ion Ratio Lower Upper

164 100

162 100.0 81.6 122.4

160 46.3 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 86.485 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136949.D

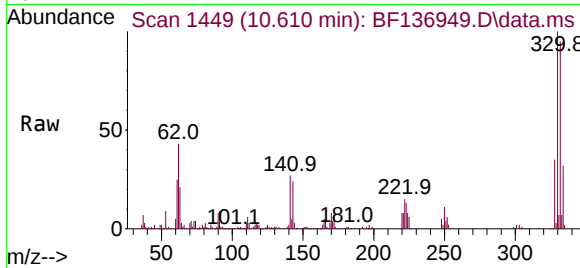
Acq: 04 Jan 2024 19:44

Instrument :

BNA_F

ClientSampleId :

SB32-2-20231222-7.5-8.5-A



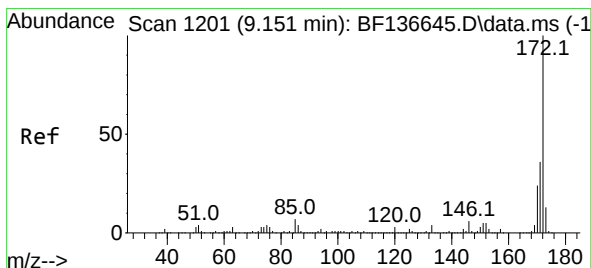
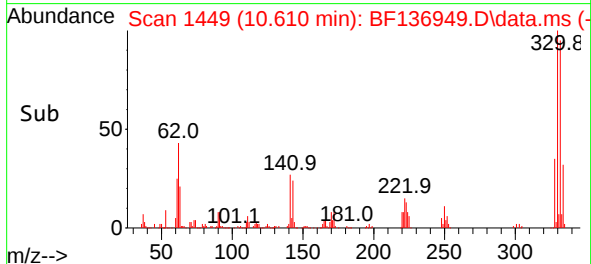
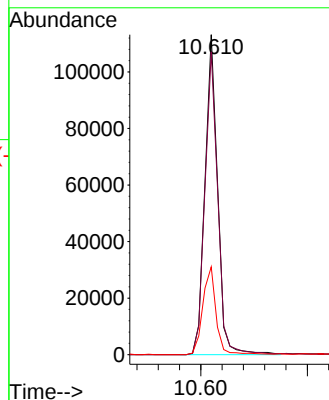
Tgt Ion:330 Resp: 94013

Ion Ratio Lower Upper

330 100

332 96.9 77.4 116.0

141 28.8 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 60.810 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.018 min

Lab File: BF136949.D

Acq: 04 Jan 2024 19:44

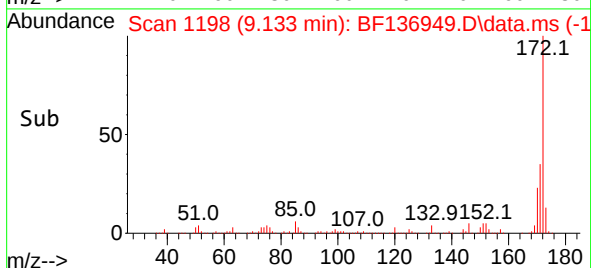
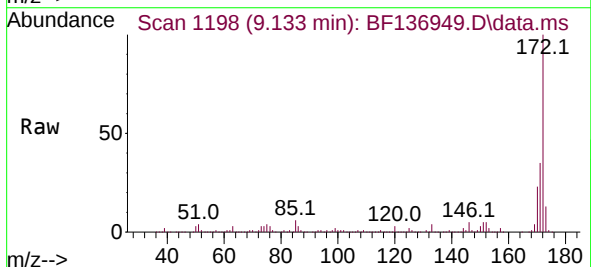
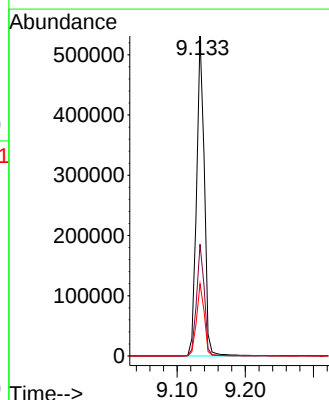
Tgt Ion:172 Resp: 417312

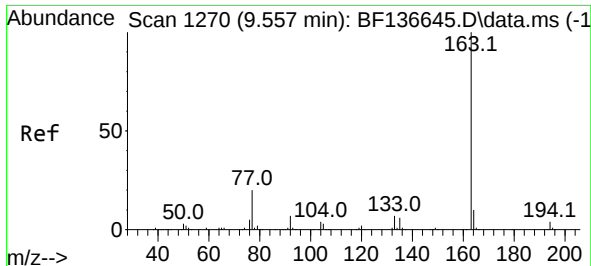
Ion Ratio Lower Upper

172 100

171 34.9 29.0 43.6

170 22.6 19.0 28.4

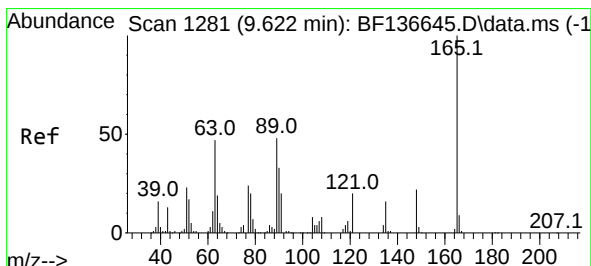
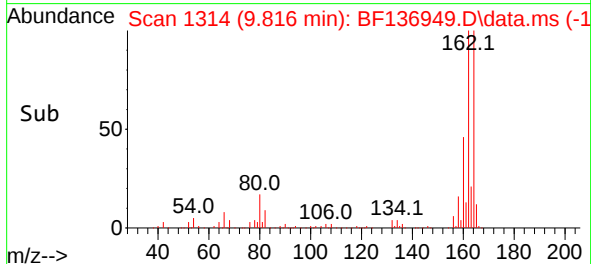
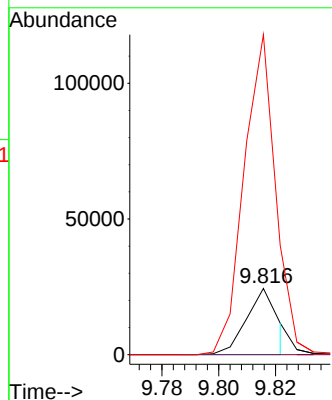
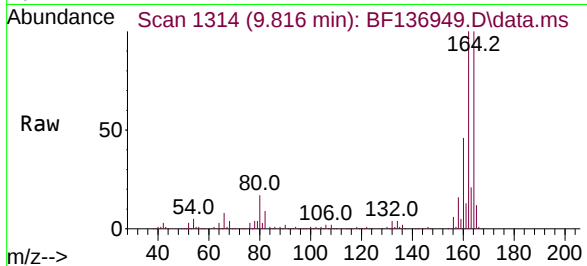




#50
Dimethylphthalate
Concen: 2.753 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

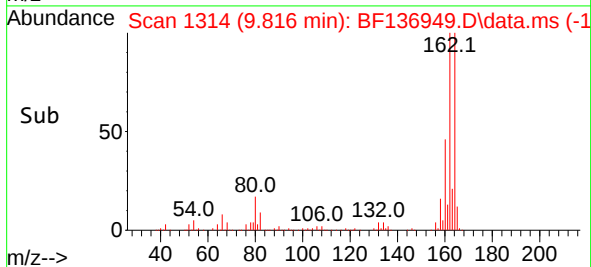
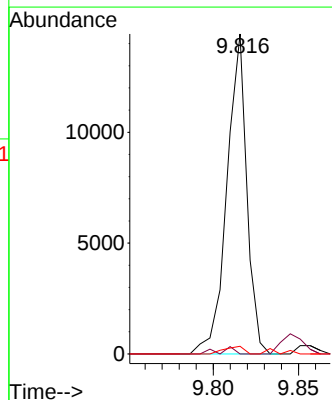
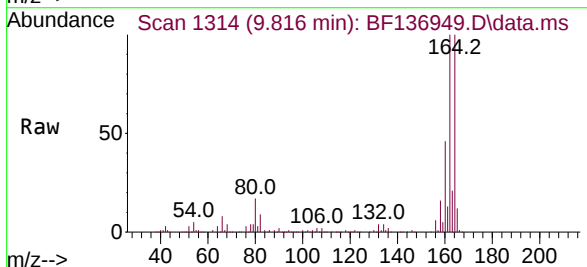
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5-A

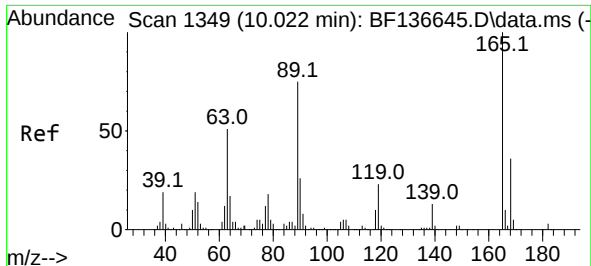
Tgt Ion:163 Resp: 18559
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 482.6 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.672 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

Tgt Ion:165 Resp: 11738
Ion Ratio Lower Upper
165 100
63 0.0 39.8 59.6#
89 2.4 38.8 58.2#

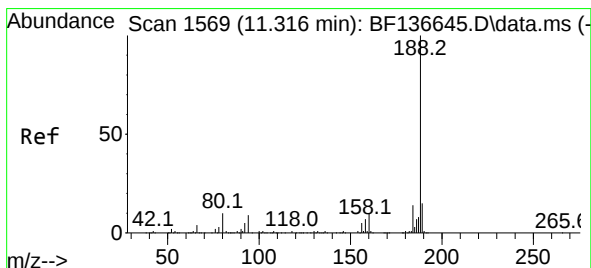
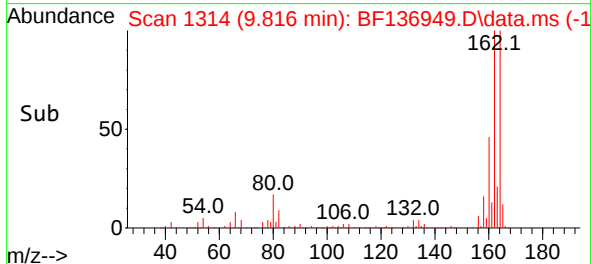
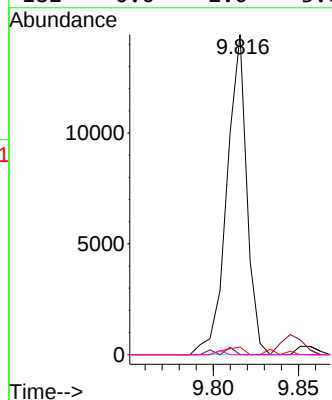
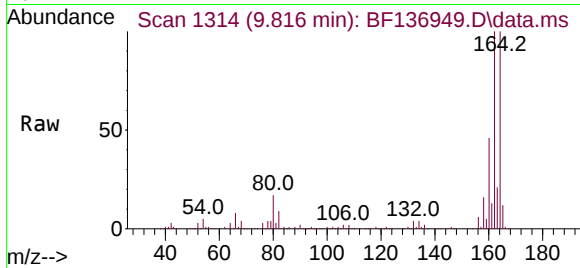




#57
2,4-Dinitrotoluene
Concen: 5.909 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

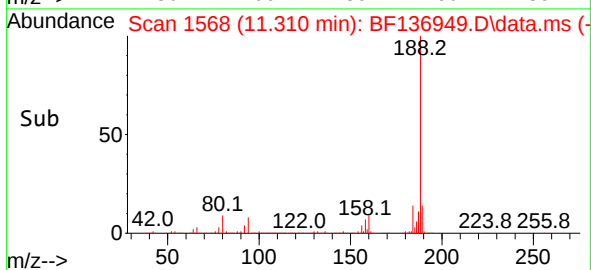
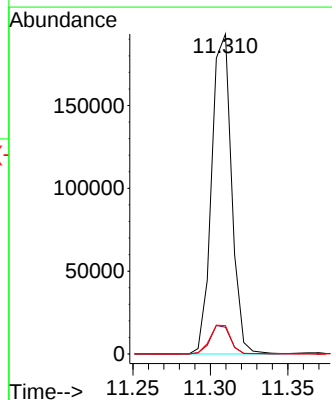
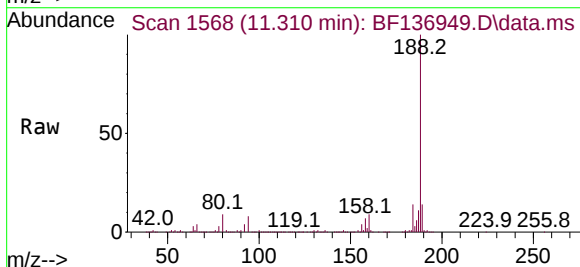
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5-A

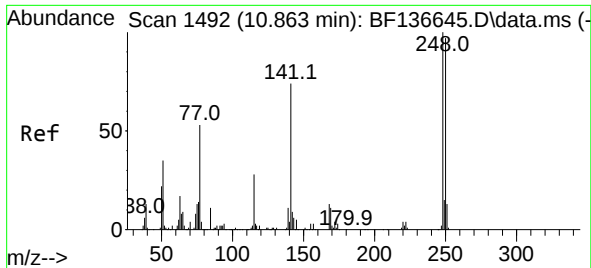
Tgt Ion:165 Resp: 11738
Ion Ratio Lower Upper
165 100
63 0.0 41.0 61.6#
89 2.4 59.9 89.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

Tgt Ion:188 Resp: 173021
Ion Ratio Lower Upper
188 100
94 8.4 7.5 11.3
80 8.9 8.1 12.1

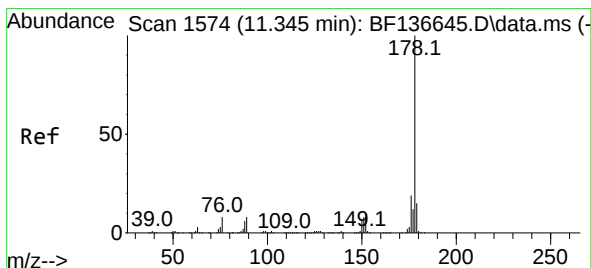
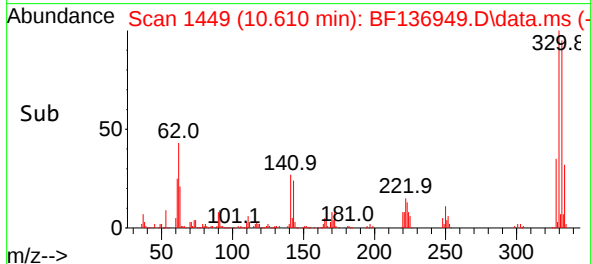
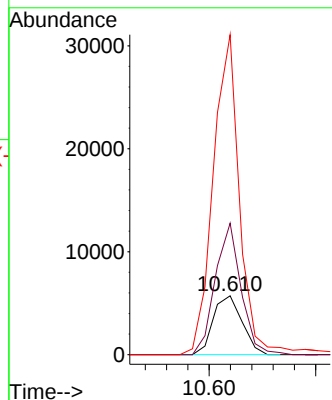
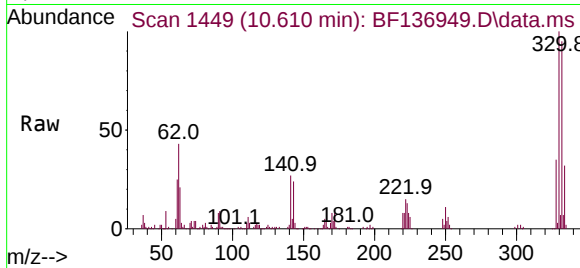




#67
4-Bromophenyl-phenylether
Concen: 2.802 ng
RT: 10.610 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

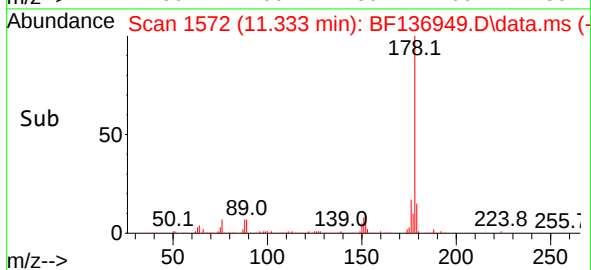
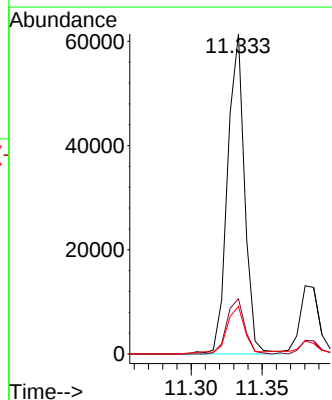
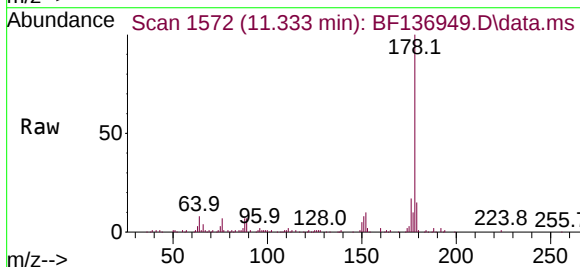
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5-A

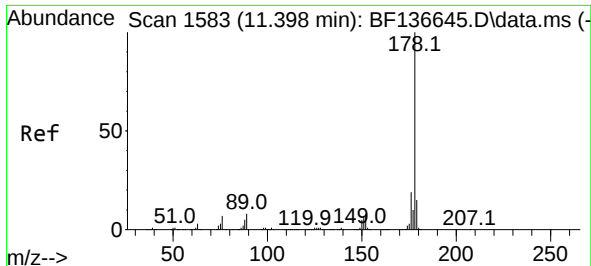
Tgt Ion:248 Resp: 5384
Ion Ratio Lower Upper
248 100
250 223.4 77.8 116.6#
141 543.7 59.2 88.8#



#71
Phenanthrene
Concen: 5.777 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136949.D
Acq: 04 Jan 2024 19:44

Tgt Ion:178 Resp: 51289
Ion Ratio Lower Upper
178 100
176 17.2 15.3 22.9
179 14.9 11.9 17.9

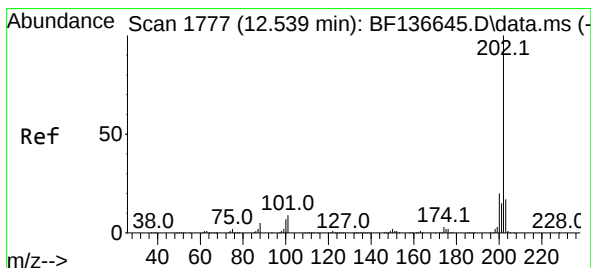
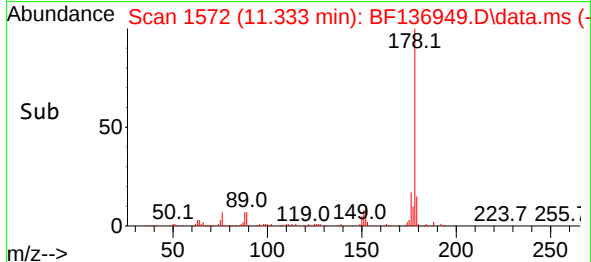
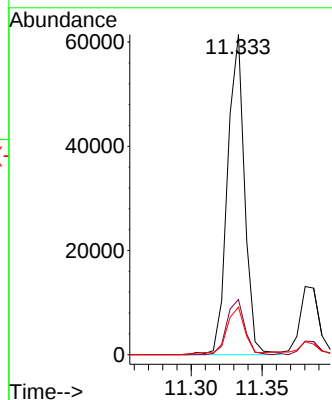
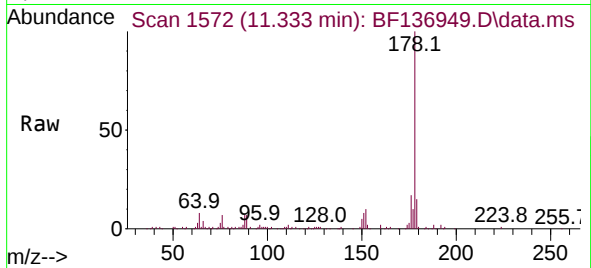




#72
 Anthracene
 Concen: 5.705 ng
 RT: 11.333 min Scan# 11
 Delta R.T. -0.065 min
 Lab File: BF136949.D
 Acq: 04 Jan 2024 19:44

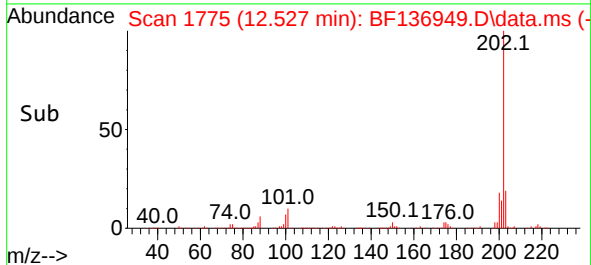
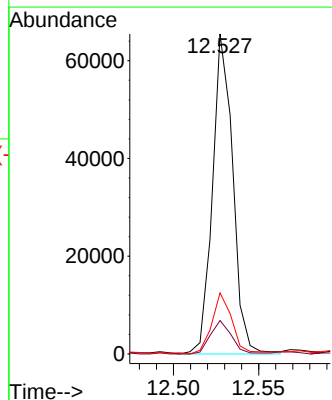
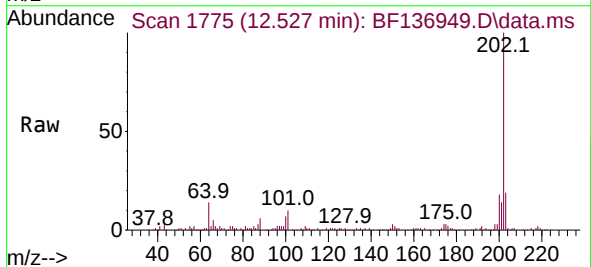
Instrument :
 BNA_F
 ClientSampleId :
 SB32-2-20231222-7.5-8.5-A

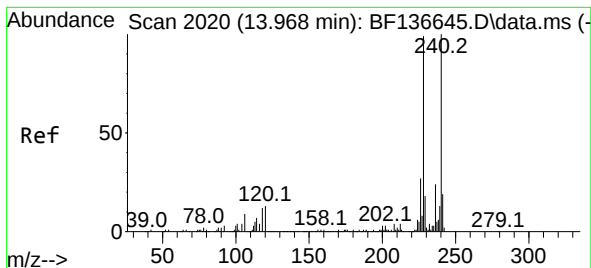
Tgt Ion:178 Resp: 51289
 Ion Ratio Lower Upper
 178 100
 176 17.2 14.9 22.3
 179 14.9 11.8 17.6



#75
 Fluoranthene
 Concen: 5.712 ng
 RT: 12.527 min Scan# 1775
 Delta R.T. -0.012 min
 Lab File: BF136949.D
 Acq: 04 Jan 2024 19:44

Tgt Ion:202 Resp: 54242
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 29.3
 203 19.1 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136949.D

Acq: 04 Jan 2024 19:44

Instrument :

BNA_F

ClientSampleId :

SB32-2-20231222-7.5-8.5-A

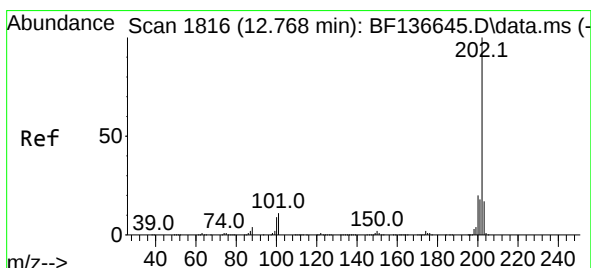
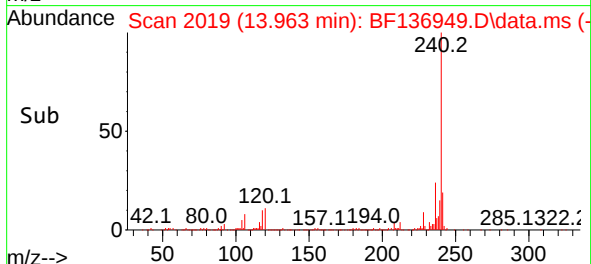
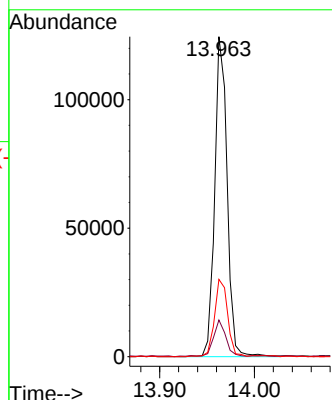
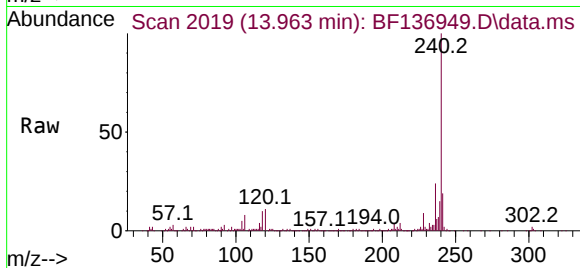
Tgt Ion:240 Resp: 113002

Ion Ratio Lower Upper

240 100

120 11.5 10.3 15.5

236 24.2 19.4 29.2



#78

Pyrene

Concen: 4.274 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136949.D

Acq: 04 Jan 2024 19:44

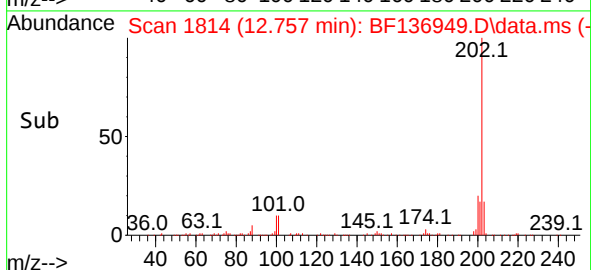
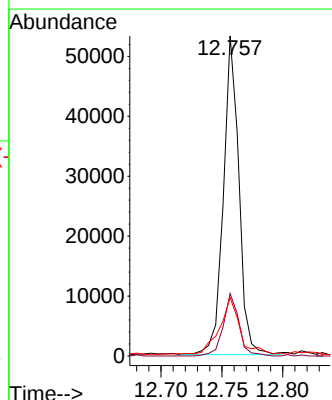
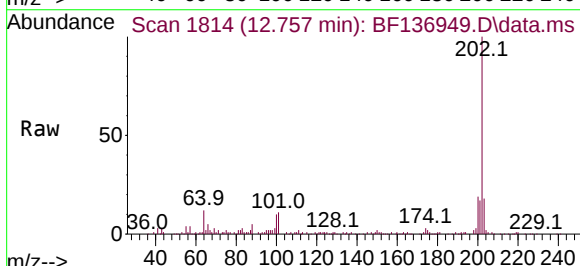
Tgt Ion:202 Resp: 47413

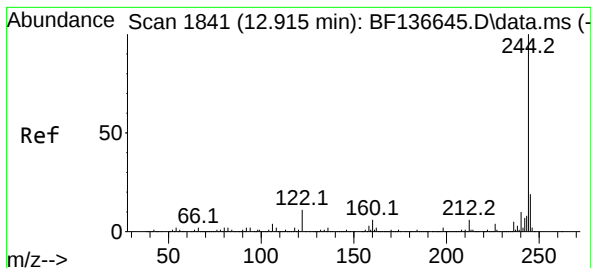
Ion Ratio Lower Upper

202 100

200 19.5 15.9 23.9

203 18.2 13.8 20.6





#79

Terphenyl-d14

Concen: 48.172 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136949.D

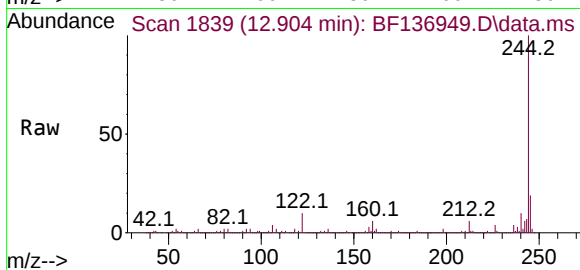
Acq: 04 Jan 2024 19:44

Instrument :

BNA_F

ClientSampleId :

SB32-2-20231222-7.5-8.5-A



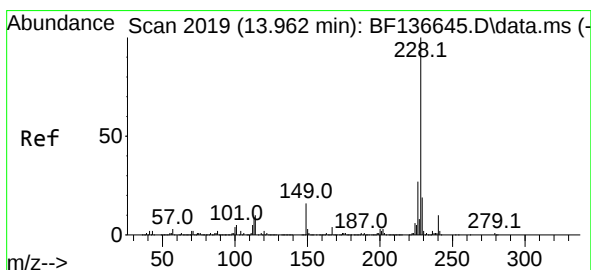
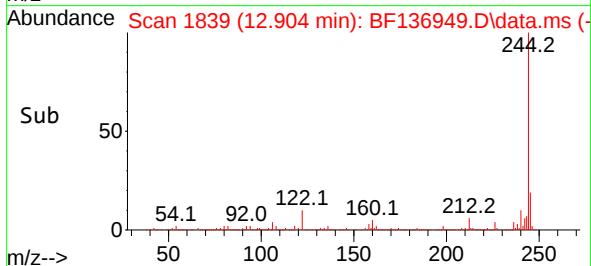
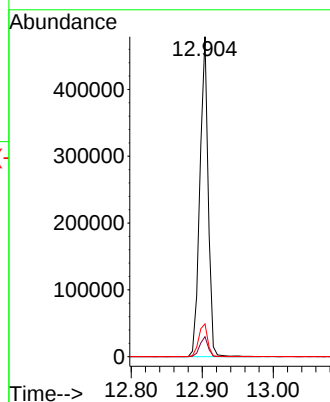
Tgt Ion:244 Resp: 389530

Ion Ratio Lower Upper

244 100

212 6.3 5.0 7.4

122 10.3 9.0 13.4



#81

Benzo(a)anthracene

Concen: 3.121 ng

RT: 13.957 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF136949.D

Acq: 04 Jan 2024 19:44

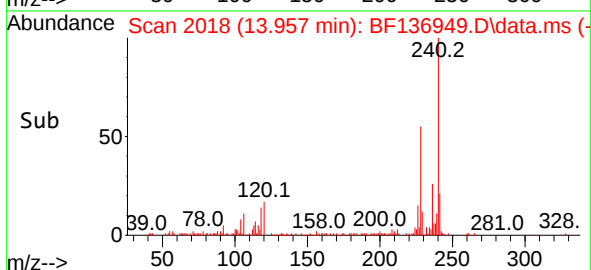
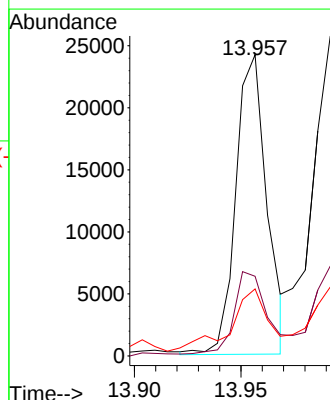
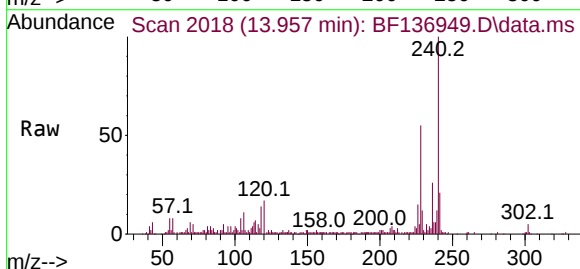
Tgt Ion:228 Resp: 24490

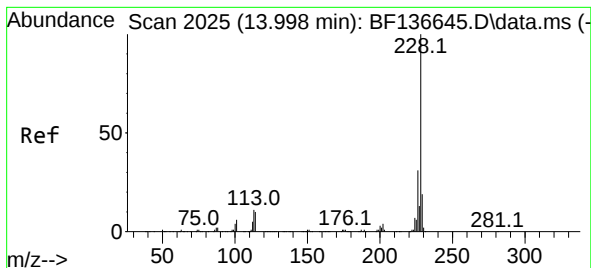
Ion Ratio Lower Upper

228 100

226 26.5 21.4 32.0

229 22.3 14.9 22.3





#83

Chrysene

Concen: 3.405 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF136949.D

Acq: 04 Jan 2024 19:44

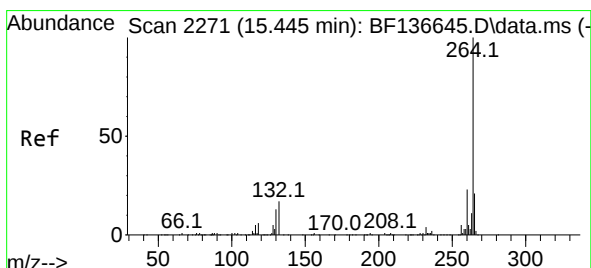
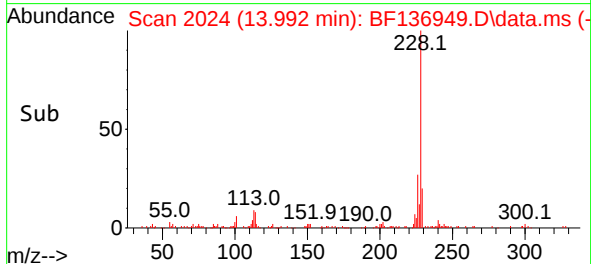
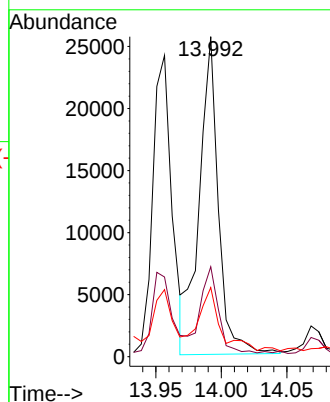
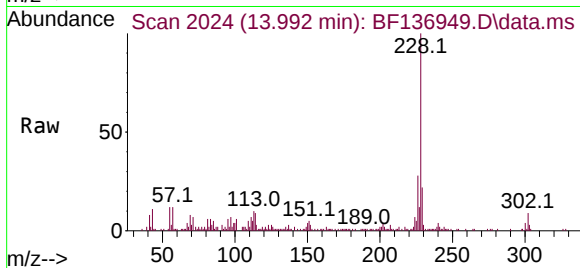
Instrument :

BNA_F

ClientSampleId :

SB32-2-20231222-7.5-8.5-A

Tgt Ion:228	Resp:	26128
Ion Ratio	Lower	Upper
228	100	
226	28.1	24.7 37.1
229	21.6	15.4 23.0



#86

Perylene-d12

Concen: 20.000 ng

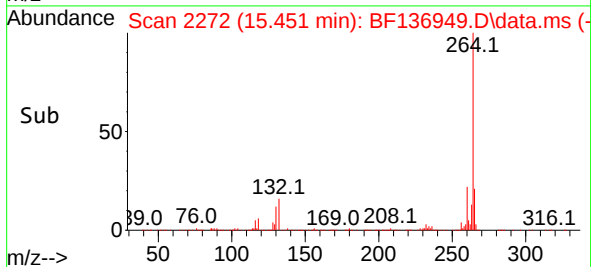
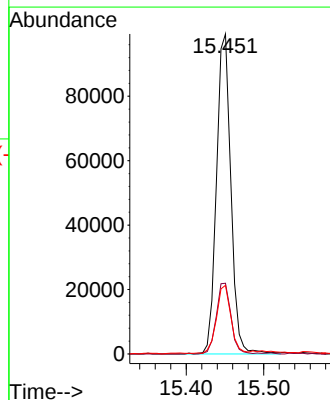
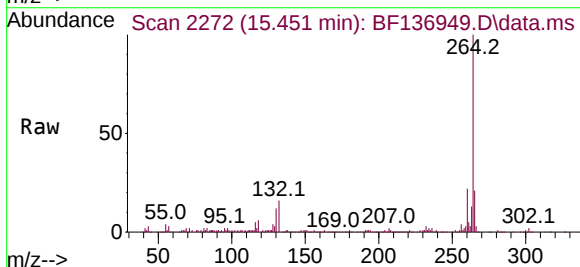
RT: 15.451 min Scan# 2272

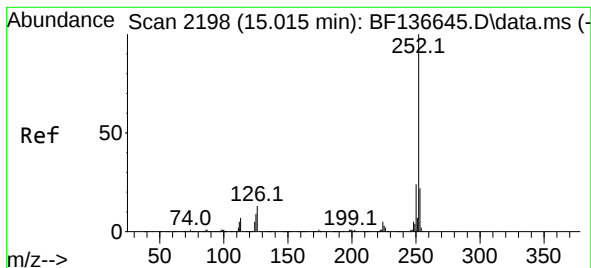
Delta R.T. 0.006 min

Lab File: BF136949.D

Acq: 04 Jan 2024 19:44

Tgt Ion:264	Resp:	128142
Ion Ratio	Lower	Upper
264	100	
260	22.1	18.3 27.5
265	21.5	17.0 25.6





#88

Benzo(b)fluoranthene

Concen: 3.645 ng

RT: 15.015 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF136949.D

Acq: 04 Jan 2024 19:44

Instrument :

BNA_F

ClientSampleId :

SB32-2-20231222-7.5-8.5-A

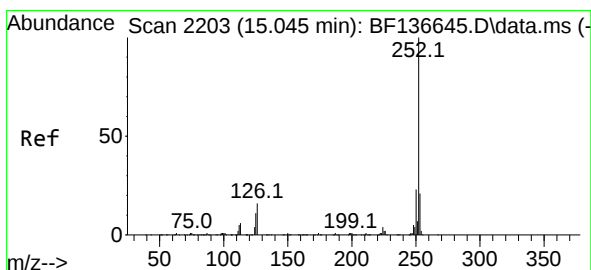
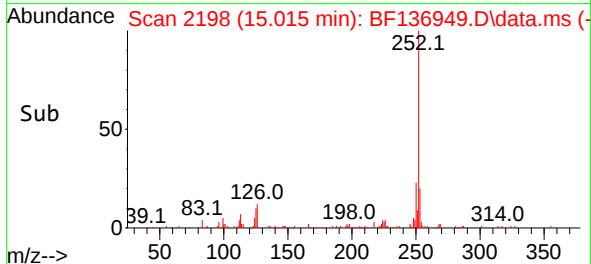
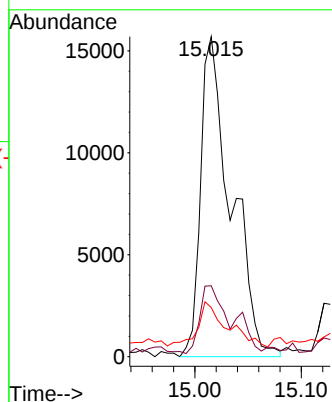
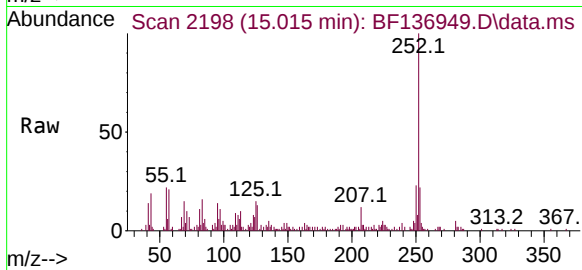
Tgt Ion:252 Resp: 31199

Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

125 15.3 7.4 11.2#



#89

Benzo(k)fluoranthene

Concen: 3.858 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.029 min

Lab File: BF136949.D

Acq: 04 Jan 2024 19:44

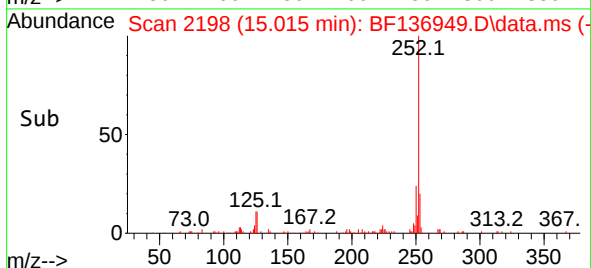
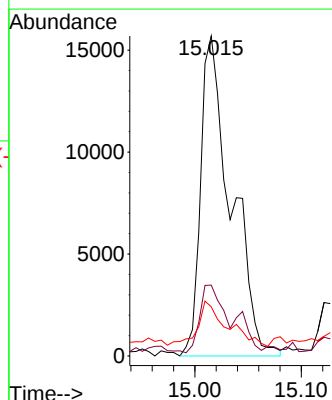
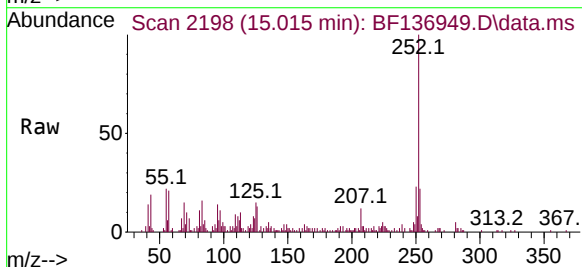
Tgt Ion:252 Resp: 31199

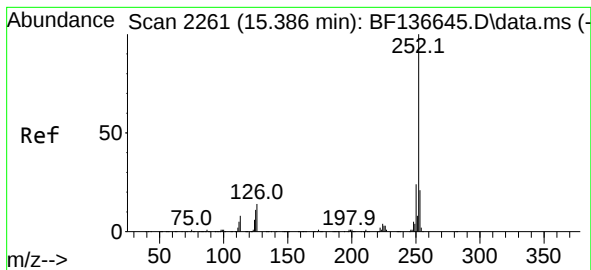
Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.6

125 15.3 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 2.141 ng

RT: 15.386 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF136949.D

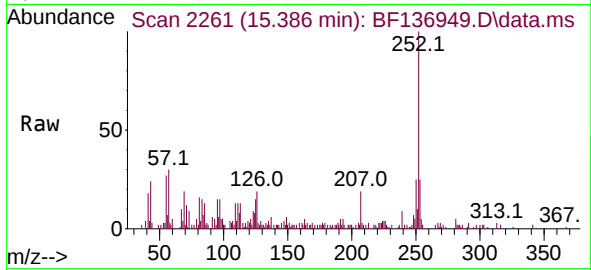
Acq: 04 Jan 2024 19:44

Instrument :

BNA_F

ClientSampleId :

SB32-2-20231222-7.5-8.5-A



Tgt Ion:252 Resp: 15471

Ion Ratio Lower Upper

252 100

253 25.3 17.0 25.6

125 14.8 8.8 13.2#

