

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010524\
 Data File : BF136973.D
 Acq On : 05 Jan 2024 13:46
 Operator : CG\JU
 Sample : 06017-01DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jan 05 14:05:33 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)

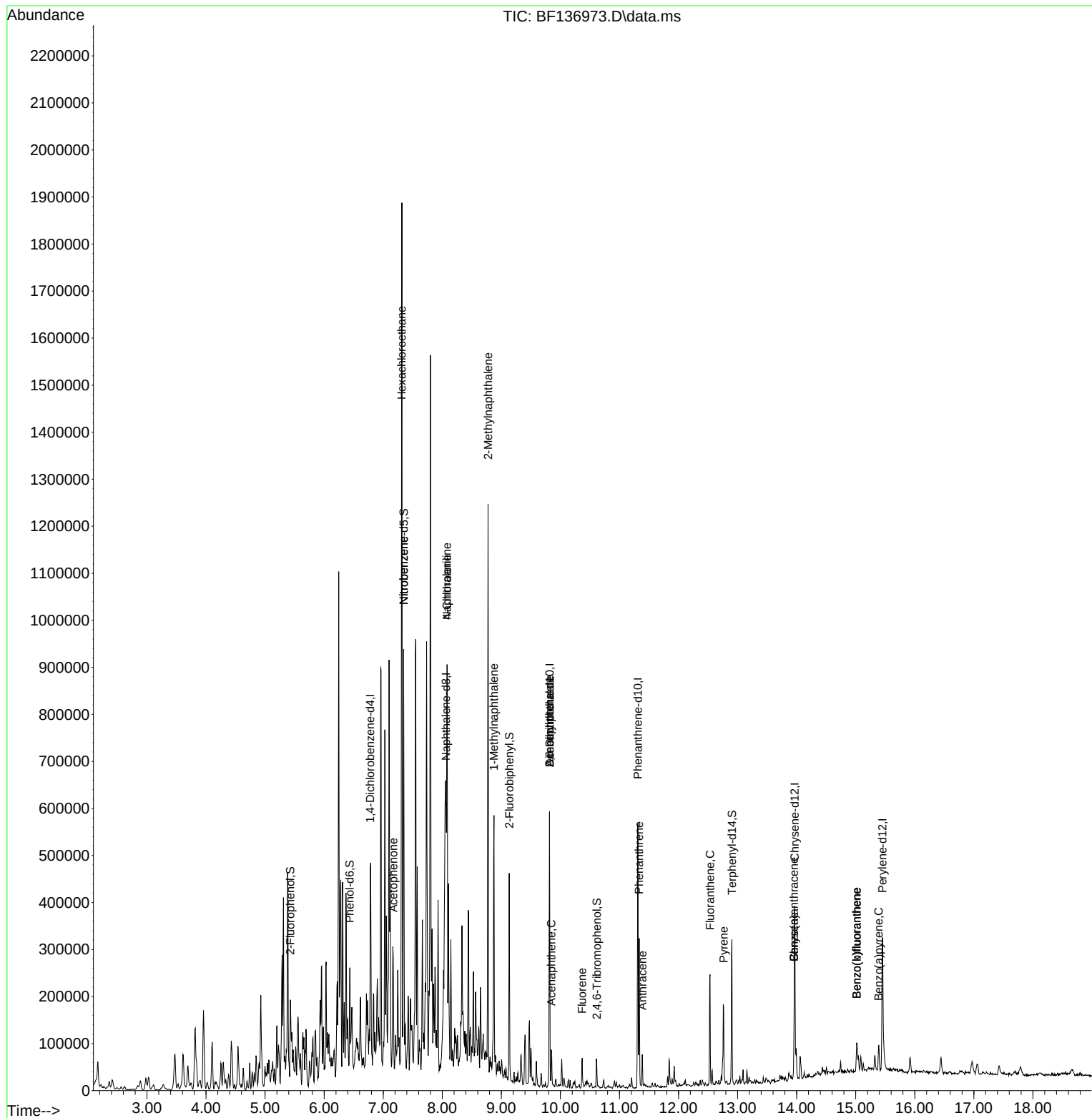
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	58303	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	218293	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	108092	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	195682	20.000	ng	0.00
76) Chrysene-d12	13.969	240	116082	20.000	ng	0.00
86) Perylene-d12	15.451	264	140800	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	51161	13.692	ng	0.00
7) Phenol-d6	6.434	99	77863	16.081	ng	0.00
23) Nitrobenzene-d5	7.346	82	56385	13.217	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	7580	5.954	ng	0.00
45) 2-Fluorobiphenyl	9.134	172	120211	14.958	ng	-0.02
79) Terphenyl-d14	12.904	244	107530	12.945	ng	-0.01
Target Compounds						Qvalue
18) Hexachloroethane	7.310	117	94937	57.352	ng	# 1
22) Acetophenone	7.169	105	43820	8.009	ng	# 43
24) Nitrobenzene	7.346	77	10849	2.539	ng	# 1
31) Naphthalene	8.081	128	226826	18.914	ng	# 97
33) 4-Chloroaniline	8.081	127	34018	7.683	ng	# 37
37) 2-Methylnaphthalene	8.775	142	297933	38.602	ng	99
38) 1-Methylnaphthalene	8.875	142	137594	18.171	ng	99
50) Dimethylphthalate	9.816	163	21275	2.695	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	15516	8.659	ng	# 30
52) Acenaphthene	9.845	154	15611	2.389	ng	93
58) Fluorene	10.369	166	18230	2.320	ng	92
71) Phenanthrene	11.333	178	105696	10.527	ng	98
72) Anthracene	11.386	178	23854	2.346	ng	98
75) Fluoranthene	12.533	202	98160	9.140	ng	100
78) Pyrene	12.763	202	77068	6.763	ng	97
81) Benzo(a)anthracene	13.957	228	32493	4.031	ng	99
83) Chrysene	13.957	228	32493	4.122	ng	96
88) Benzo(b)fluoranthene	15.016	252	45216	4.808	ng	# 88
89) Benzo(k)fluoranthene	15.016	252	45216	5.088	ng	# 88
90) Benzo(a)pyrene	15.386	252	27100	3.414	ng	98

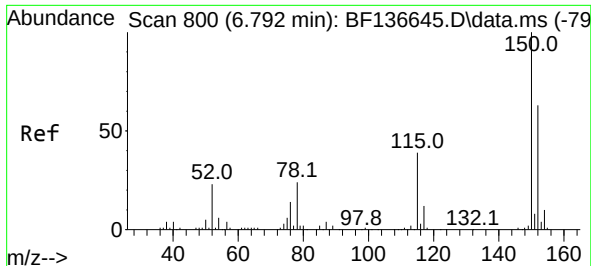
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 21 01:54:25 2023
Response via : Initial Calibration

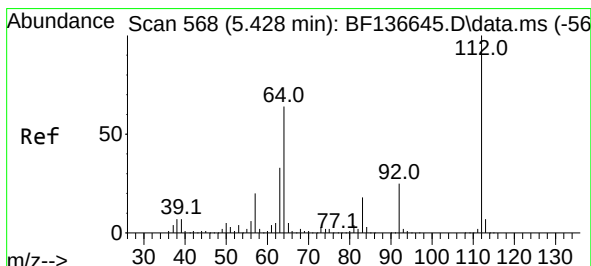
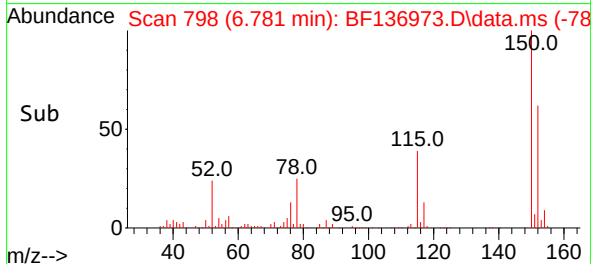
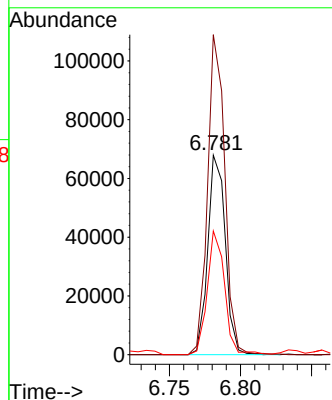
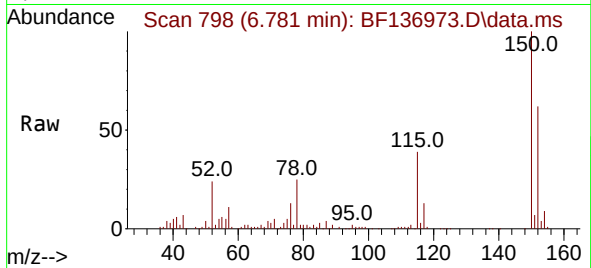




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

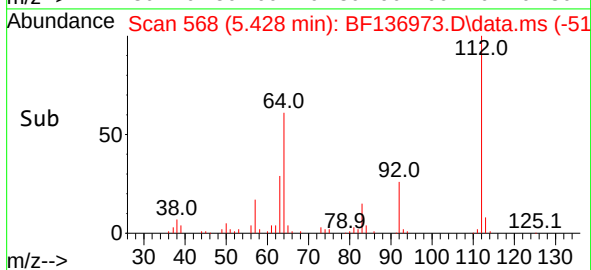
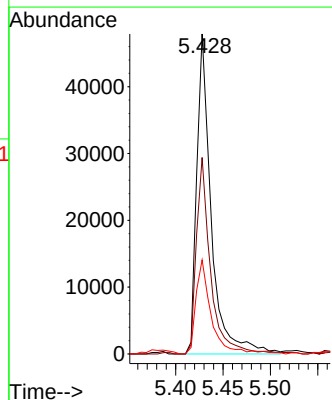
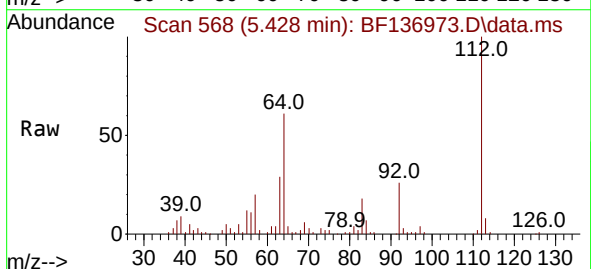
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5DL

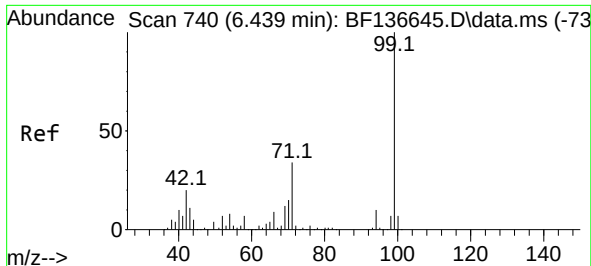
Tgt Ion:152 Resp: 58303
Ion Ratio Lower Upper
152 100
150 160.4 127.0 190.6
115 62.0 49.0 73.4



#5
2-Fluorophenol
Concen: 13.692 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

Tgt Ion:112 Resp: 51161
Ion Ratio Lower Upper
112 100
64 61.4 51.1 76.7
63 29.4 26.1 39.1

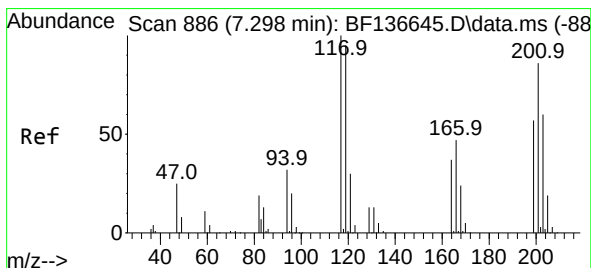
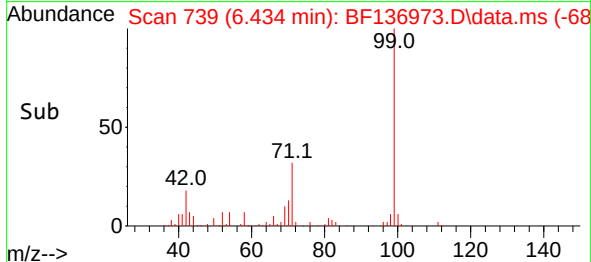
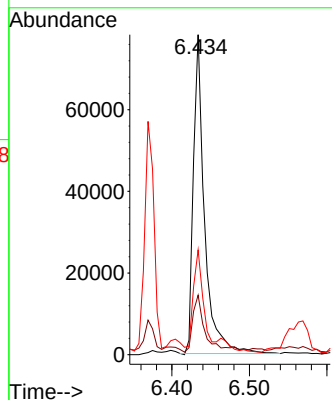
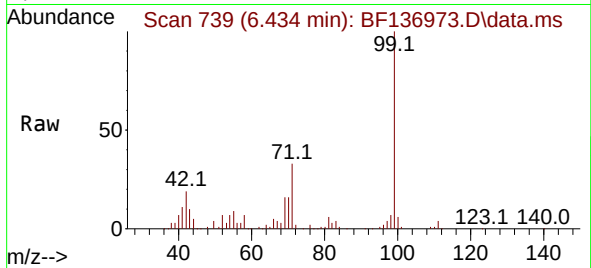




#7
Phenol-d6
Concen: 16.081 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

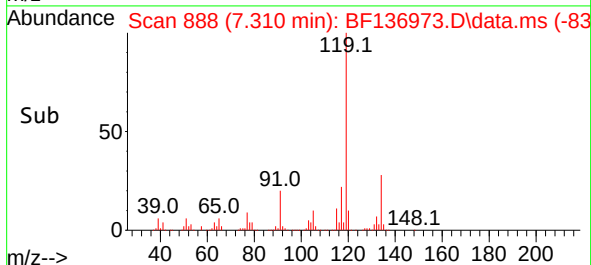
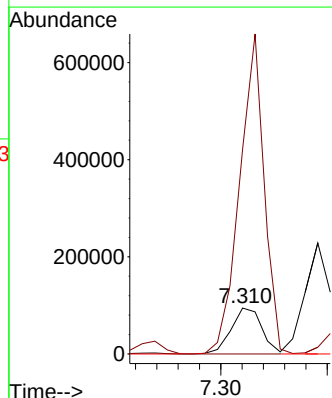
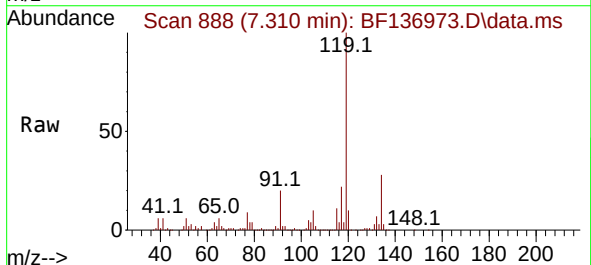
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5DL

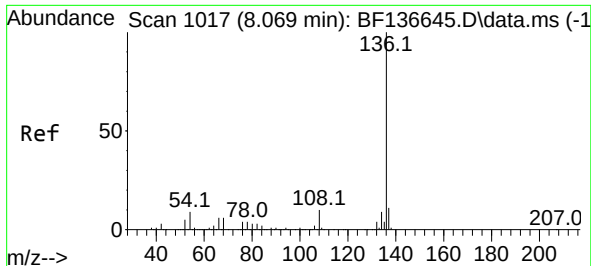
Tgt Ion: 99 Resp: 77863
Ion Ratio Lower Upper
99 100
42 18.6 16.1 24.1
71 32.8 27.4 41.2



#18
Hexachloroethane
Concen: 57.352 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.012 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

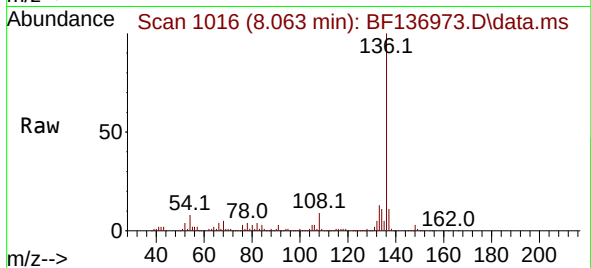
Tgt Ion: 117 Resp: 94937
Ion Ratio Lower Upper
117 100
119 446.2 75.8 113.6#
201 0.0 69.1 103.7#



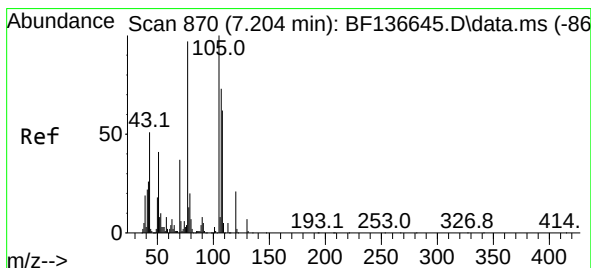
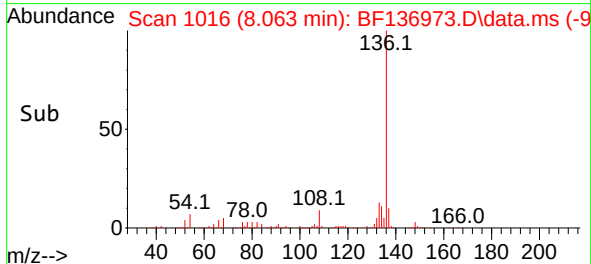
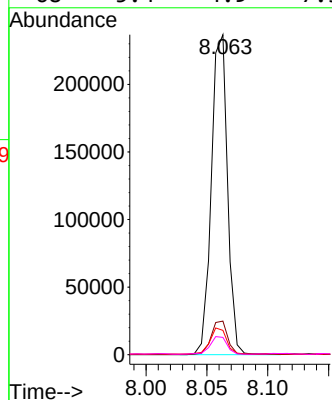


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

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

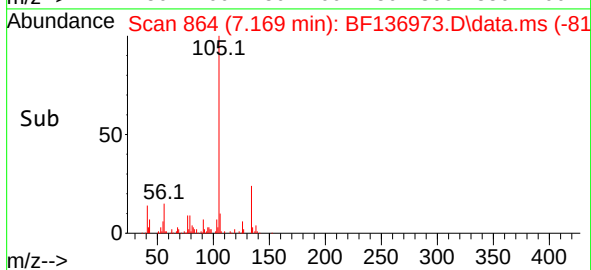
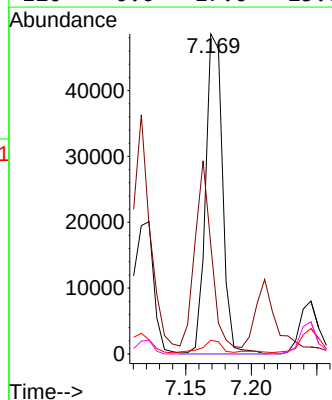
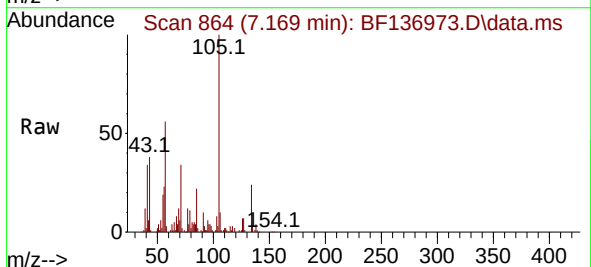


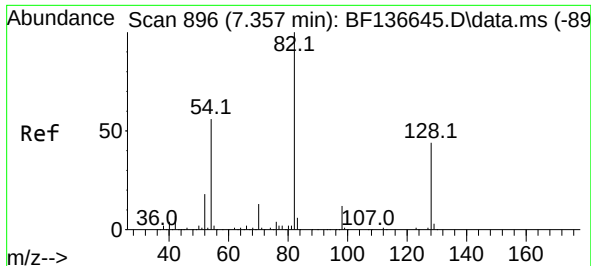
Tgt	Ion:136	Resp:	218293
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.0	13.4
54	7.6	7.2	10.8
68	5.4	4.9	7.3



#22
Acetophenone
Concen: 8.009 ng
RT: 7.169 min Scan# 864
Delta R.T. -0.035 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

Tgt	Ion:105	Resp:	43820
Ion	Ratio	Lower	Upper
105	100		
71	34.1	4.8	7.2#
51	4.3	32.8	49.2#
120	0.0	17.0	25.6#





#23

Nitrobenzene-d5

Concen: 13.217 ng

RT: 7.346 min Scan# 894

Delta R.T. -0.011 min

Lab File: BF136973.D

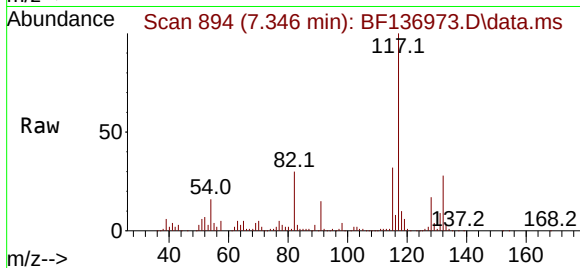
Acq: 05 Jan 2024 13:46

Instrument :

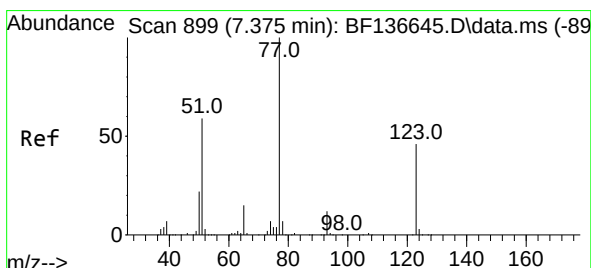
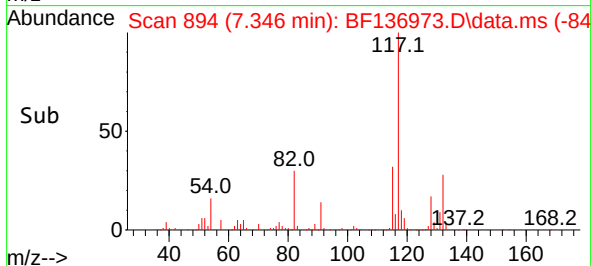
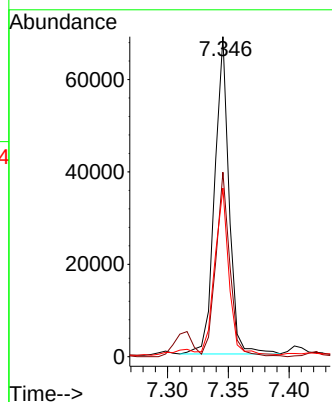
BNA_F

ClientSampleId :

SB32-2-20231222-7.5-8.5DL



Tgt Ion:	82	Resp:	56385
Ion Ratio	Lower	Upper	
82	100		
128	57.7	35.3	52.9#
54	52.7	44.5	66.7



#24

Nitrobenzene

Concen: 2.539 ng

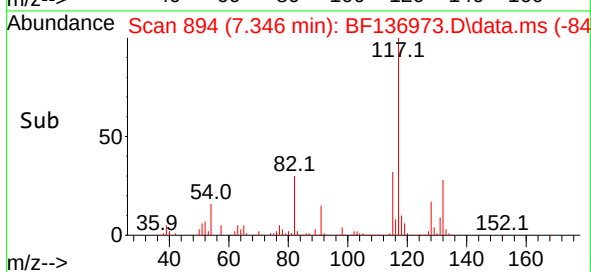
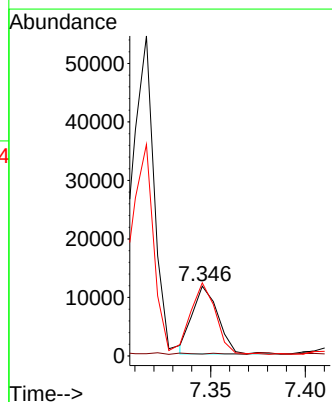
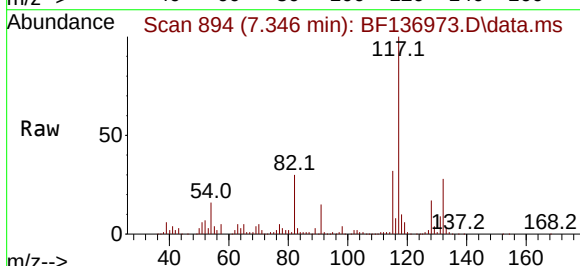
RT: 7.346 min Scan# 894

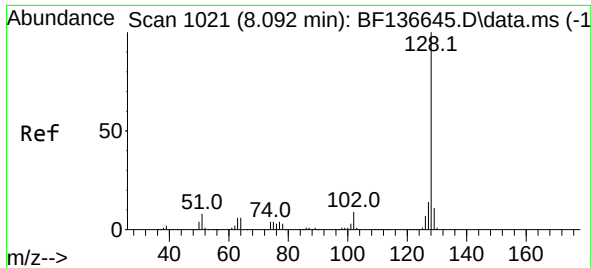
Delta R.T. -0.029 min

Lab File: BF136973.D

Acq: 05 Jan 2024 13:46

Tgt Ion:	77	Resp:	10849
Ion Ratio	Lower	Upper	
77	100		
123	2.8	36.7	55.1#
65	104.8	11.8	17.6#

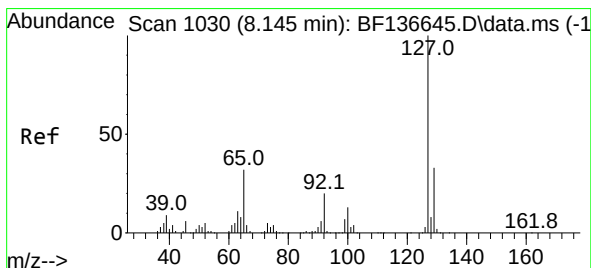
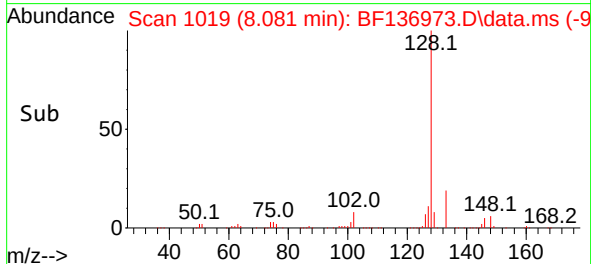
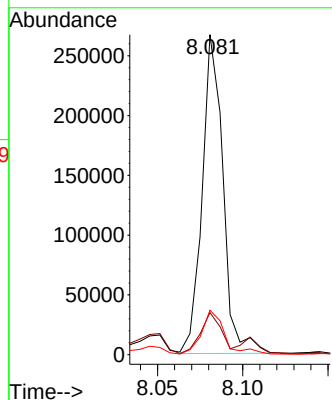
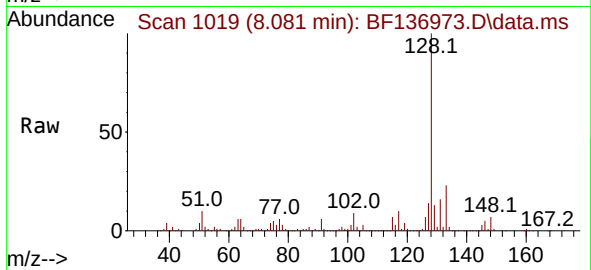




#31
Naphthalene
Concen: 18.914 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.011 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

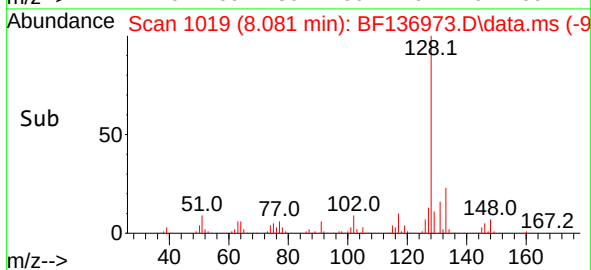
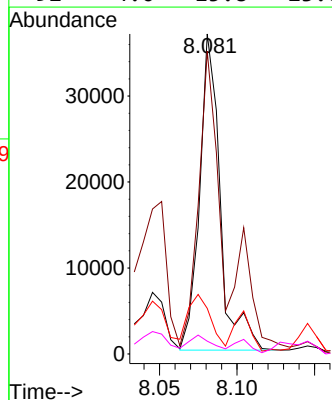
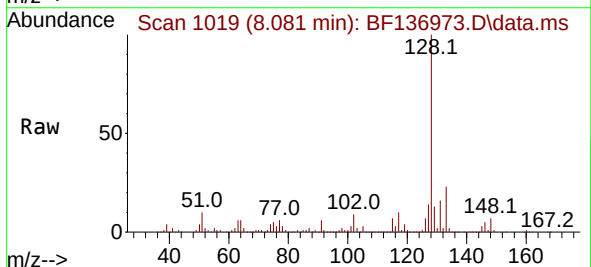
Instrument :
BNA_F
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SB32-2-20231222-7.5-8.5DL

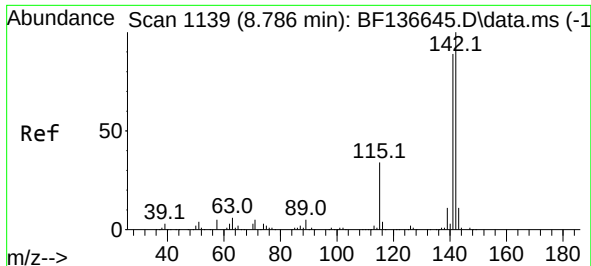
Tgt Ion:128 Resp: 226826
Ion Ratio Lower Upper
128 100
129 13.2 8.7 13.1#
127 13.9 10.8 16.2



#33
4-Chloroaniline
Concen: 7.683 ng
RT: 8.081 min Scan# 1019
Delta R.T. -0.064 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

Tgt Ion:127 Resp: 34018
Ion Ratio Lower Upper
127 100
129 94.6 26.3 39.5#
65 14.2 25.8 38.8#
92 4.0 15.8 23.6#

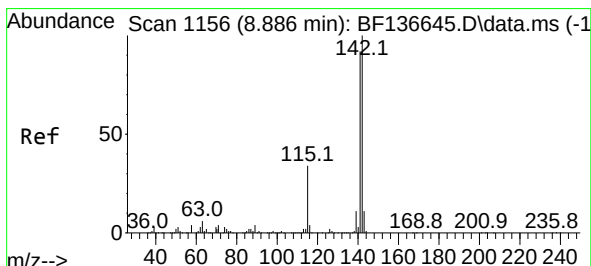
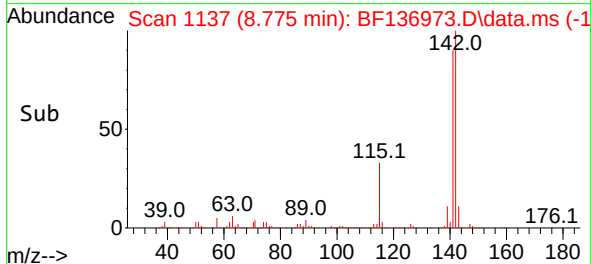
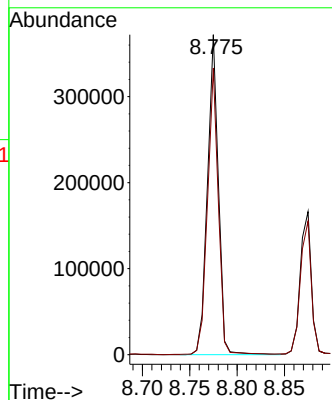
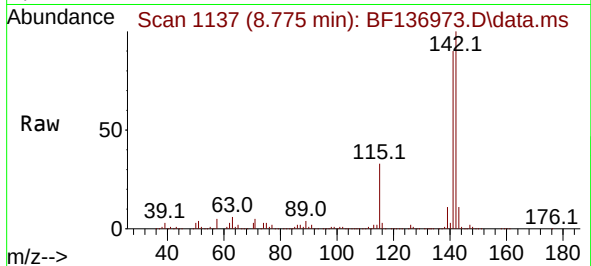




#37
2-Methylnaphthalene
Concen: 38.602 ng
RT: 8.775 min Scan# 1137
Delta R.T. -0.011 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

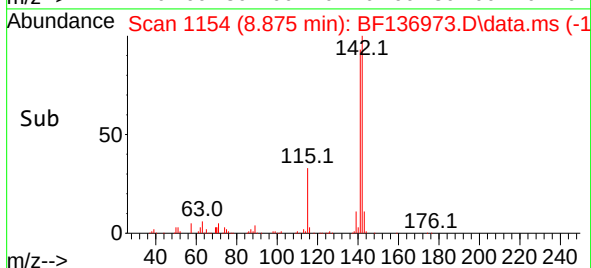
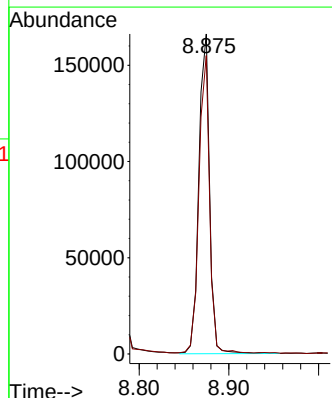
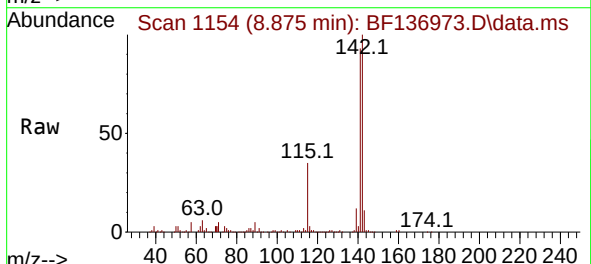
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5DL

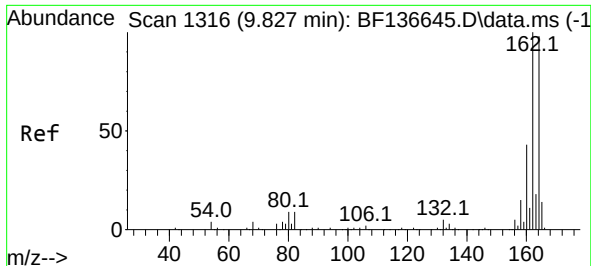
Tgt Ion:142 Resp: 297933
Ion Ratio Lower Upper
142 100
141 89.6 71.1 106.7



#38
1-Methylnaphthalene
Concen: 18.171 ng
RT: 8.875 min Scan# 1154
Delta R.T. -0.011 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

Tgt Ion:142 Resp: 137594
Ion Ratio Lower Upper
142 100
141 93.3 73.6 110.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 11

Delta R.T. -0.011 min

Lab File: BF136973.D

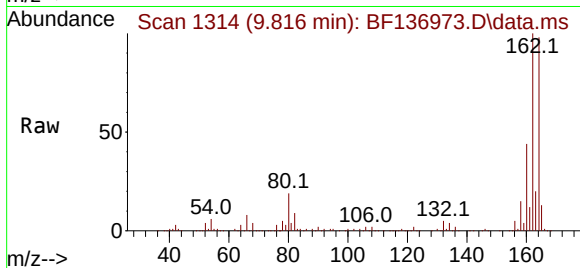
Acq: 05 Jan 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SB32-2-20231222-7.5-8.5DL



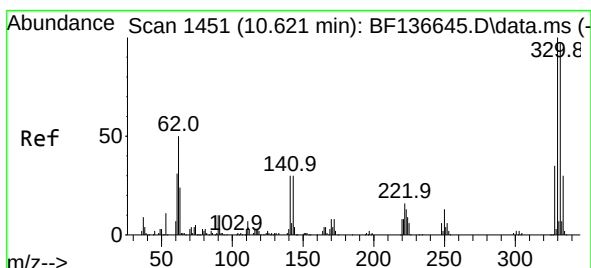
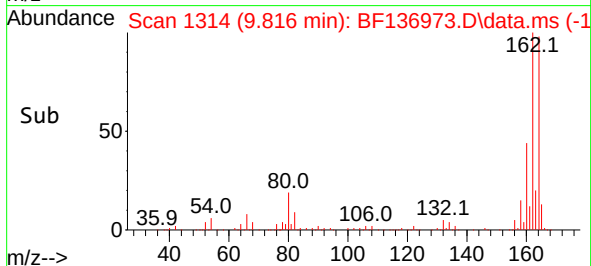
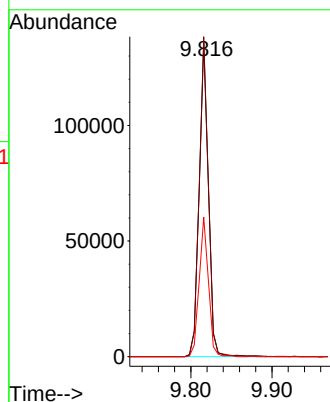
Tgt Ion:164 Resp: 108092

Ion Ratio Lower Upper

164 100

162 102.0 81.6 122.4

160 44.5 34.9 52.3



#42

2,4,6-Tribromophenol

Concen: 5.954 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF136973.D

Acq: 05 Jan 2024 13:46

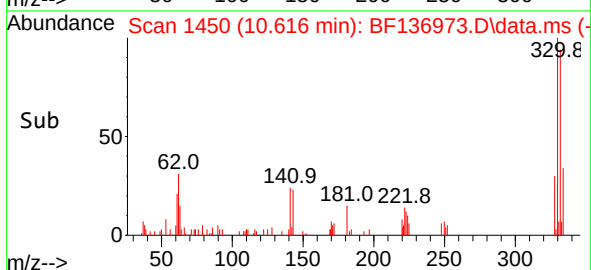
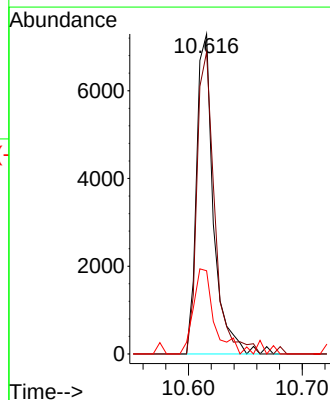
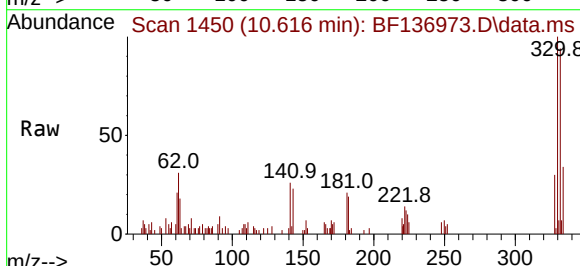
Tgt Ion:330 Resp: 7580

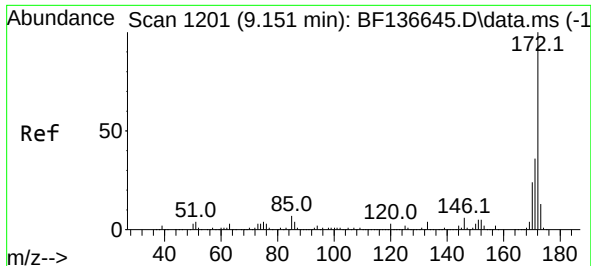
Ion Ratio Lower Upper

330 100

332 97.8 77.4 116.0

141 32.6 23.4 35.2

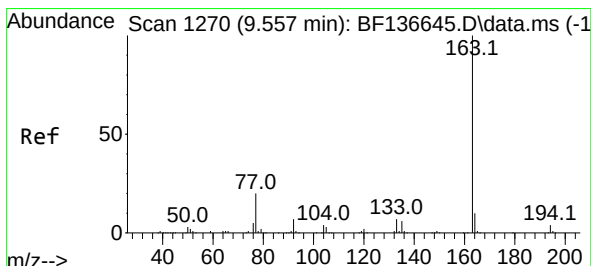
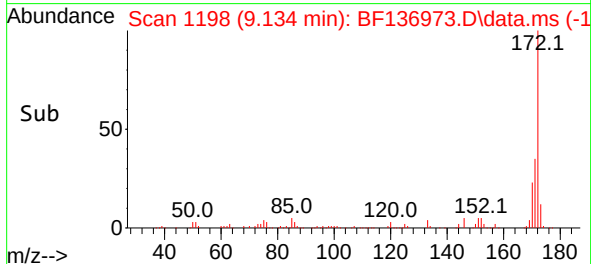
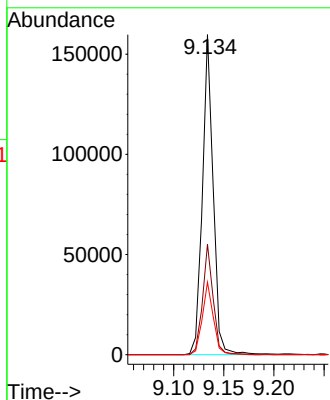
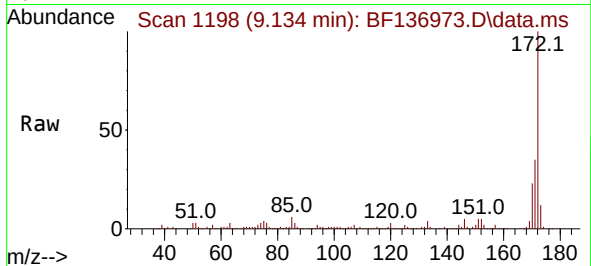




#45
2-Fluorobiphenyl
Concen: 14.958 ng
RT: 9.134 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

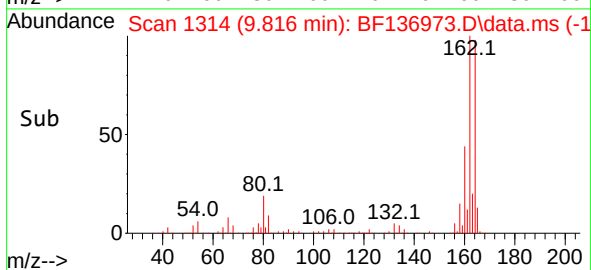
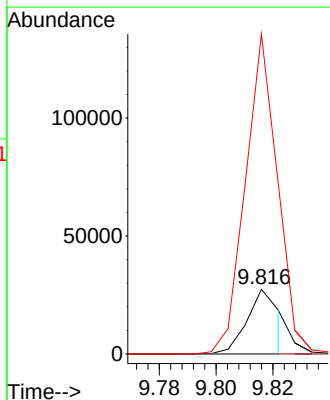
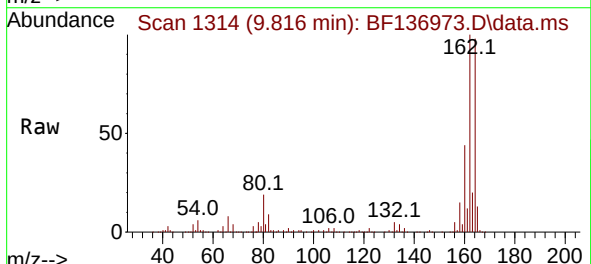
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5DL

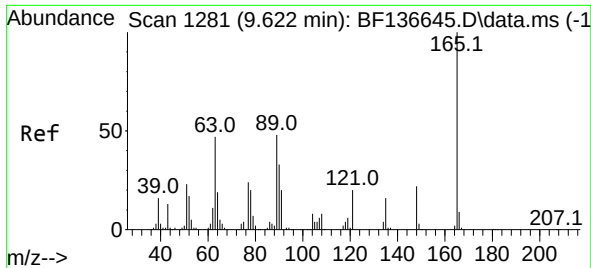
Tgt Ion:172 Resp: 120211
Ion Ratio Lower Upper
172 100
171 34.6 29.0 43.6
170 22.7 19.0 28.4



#50
Dimethylphthalate
Concen: 2.695 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

Tgt Ion:163 Resp: 21275
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 494.6 7.8 11.6#

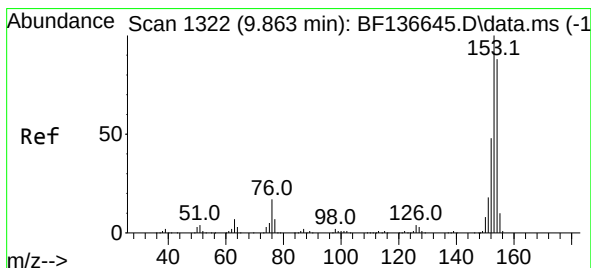
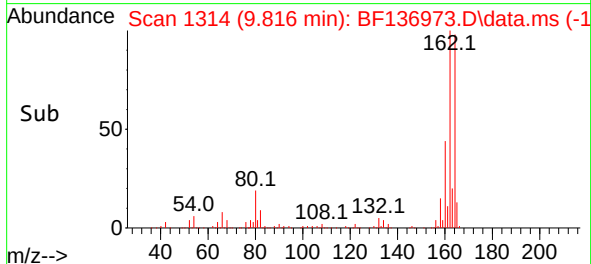
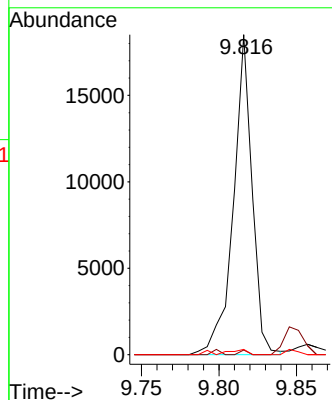
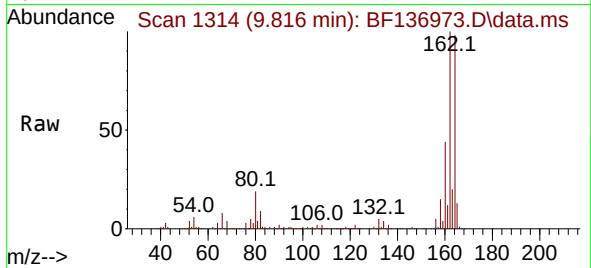




#51
2,6-Dinitrotoluene
Concen: 8.659 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

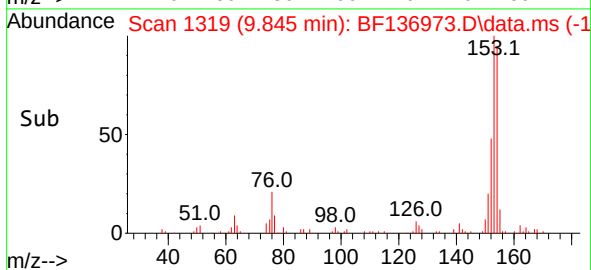
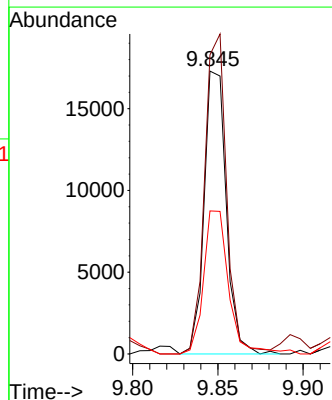
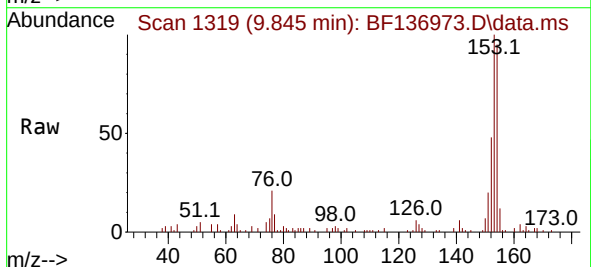
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5DL

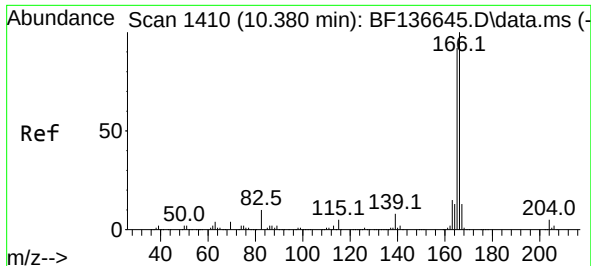
Tgt Ion:165 Resp: 15516
Ion Ratio Lower Upper
165 100
63 1.5 39.8 59.6#
89 1.7 38.8 58.2#



#52
Acenaphthene
Concen: 2.389 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.017 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

Tgt Ion:154 Resp: 15611
Ion Ratio Lower Upper
154 100
153 105.7 90.7 136.1
152 50.6 43.7 65.5

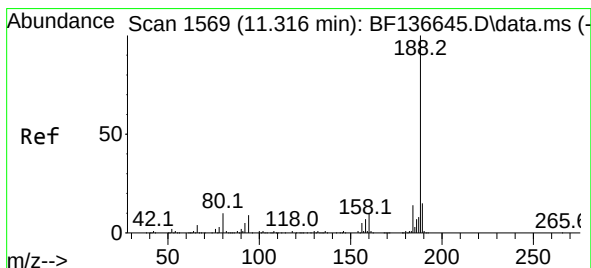
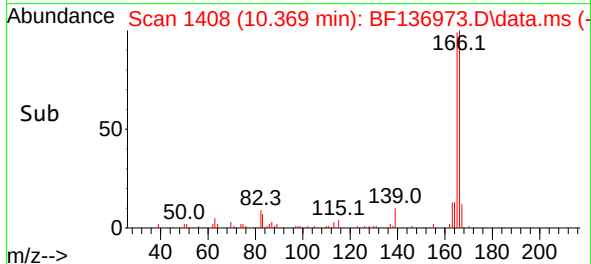
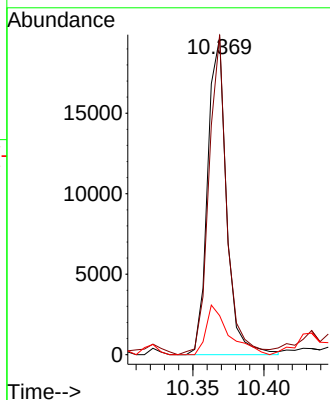
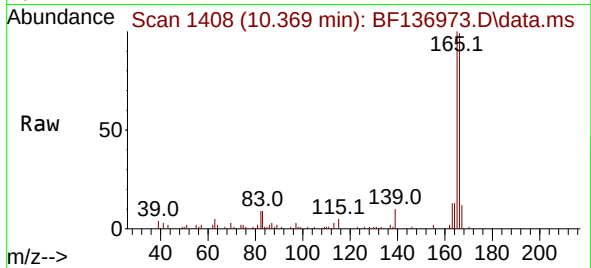




#58
Fluorene
Concen: 2.320 ng
RT: 10.369 min Scan# 1410
Delta R.T. -0.011 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

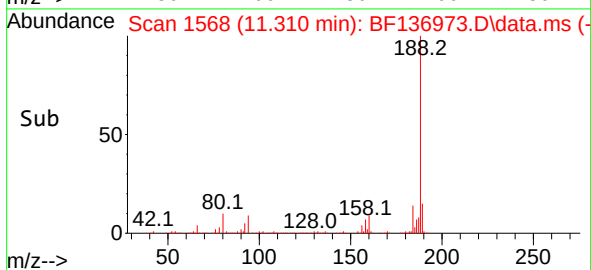
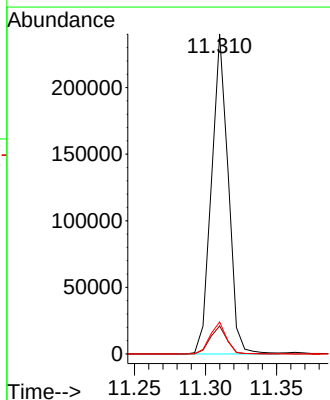
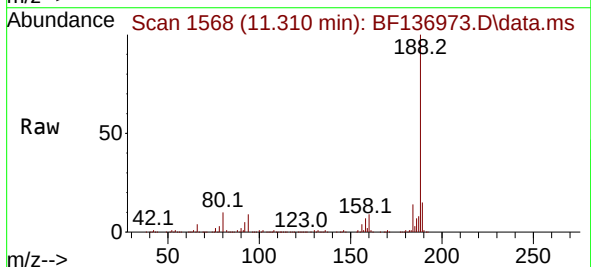
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5DL

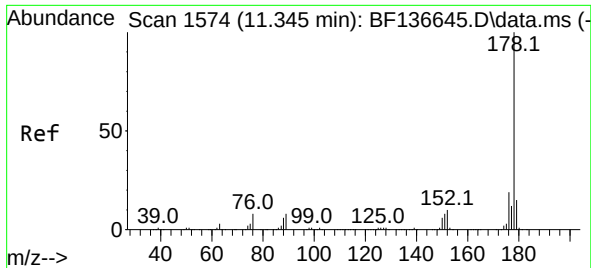
Tgt Ion:166 Resp: 18230
Ion Ratio Lower Upper
166 100
165 100.9 73.7 110.5
167 12.3 10.4 15.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

Tgt Ion:188 Resp: 195682
Ion Ratio Lower Upper
188 100
94 8.7 7.5 11.3
80 10.0 8.1 12.1

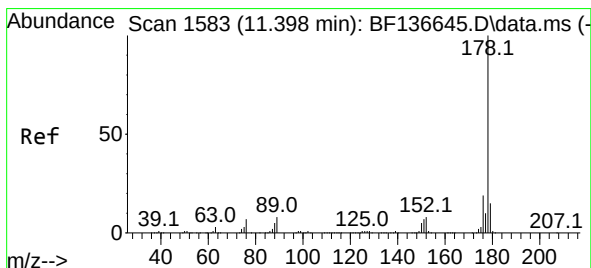
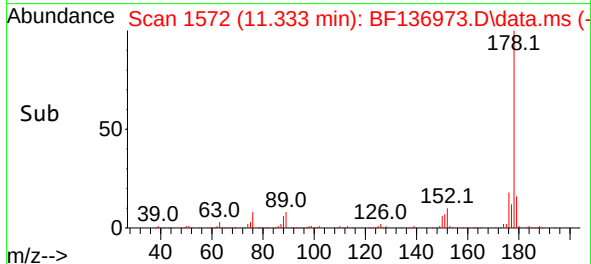
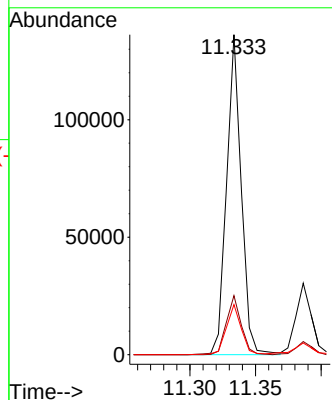
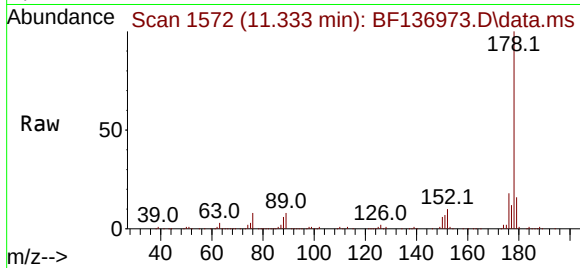




#71
Phenanthrene
Concen: 10.527 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.011 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

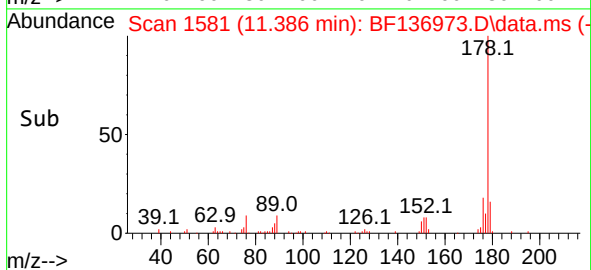
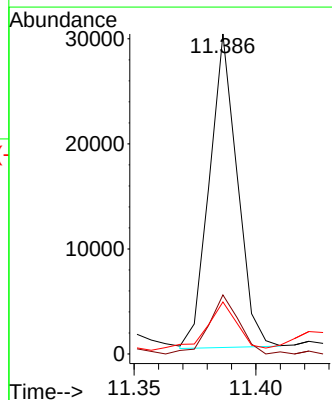
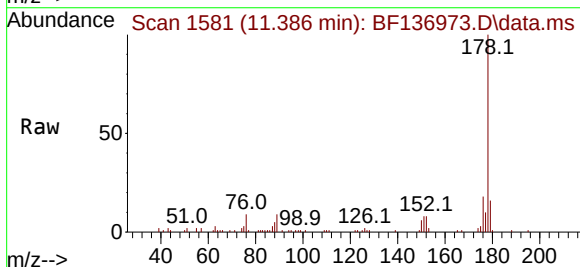
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5DL

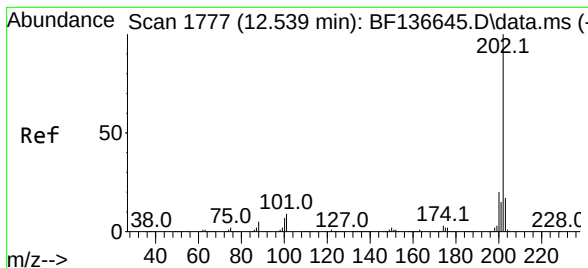
Tgt Ion:178 Resp: 105696
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 15.6 11.9 17.9



#72
Anthracene
Concen: 2.346 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.011 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

Tgt Ion:178 Resp: 23854
Ion Ratio Lower Upper
178 100
176 18.4 14.9 22.3
179 16.3 11.8 17.6





#75

Fluoranthene

Concen: 9.140 ng

RT: 12.533 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136973.D

Acq: 05 Jan 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SB32-2-20231222-7.5-8.5DL

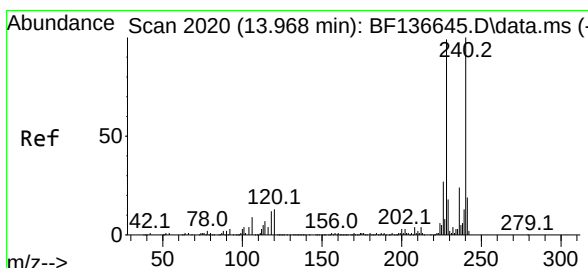
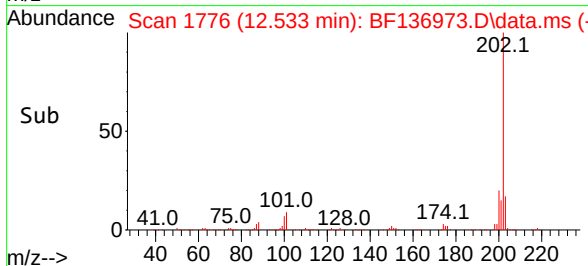
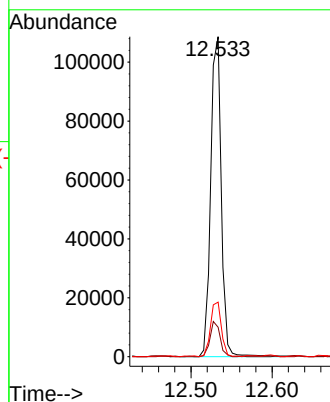
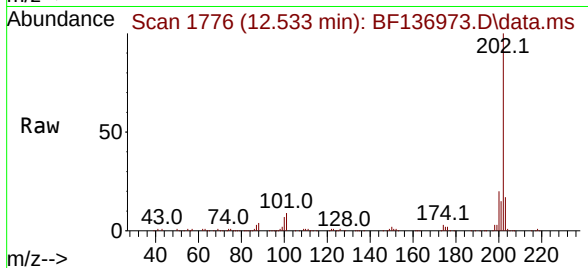
Tgt Ion:202 Resp: 98160

Ion Ratio Lower Upper

202 100

101 9.2 0.0 29.3

203 17.0 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.969 min Scan# 2020

Delta R.T. 0.000 min

Lab File: BF136973.D

Acq: 05 Jan 2024 13:46

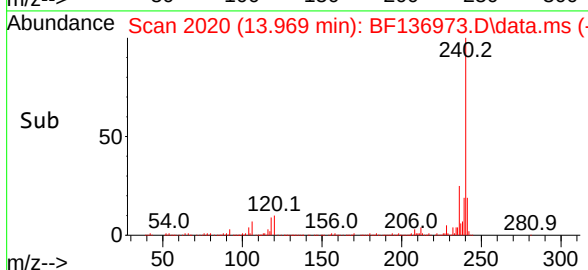
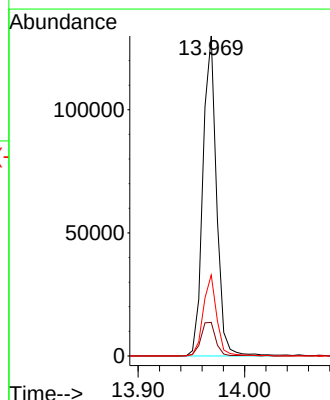
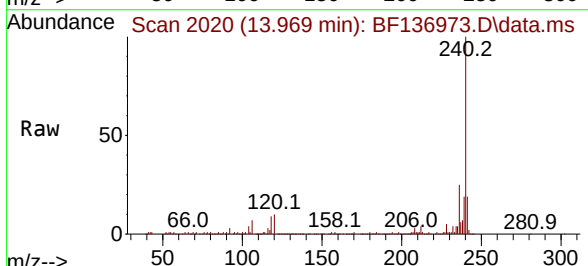
Tgt Ion:240 Resp: 116082

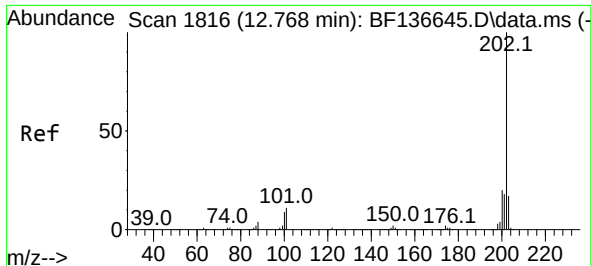
Ion Ratio Lower Upper

240 100

120 10.5 10.3 15.5

236 25.3 19.4 29.2

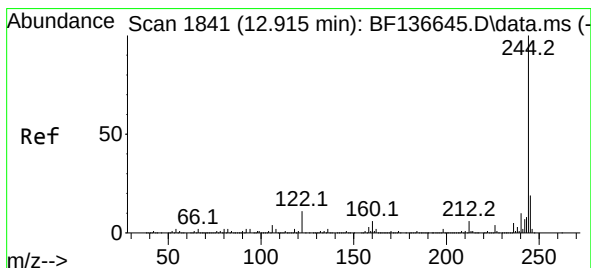
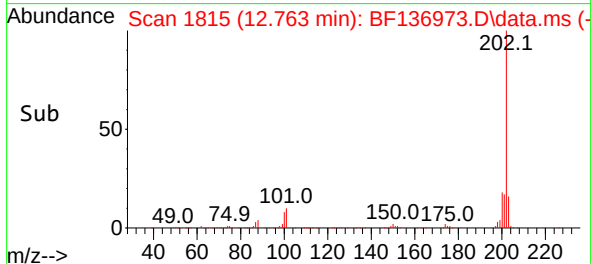
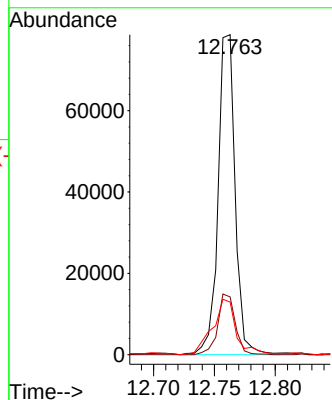
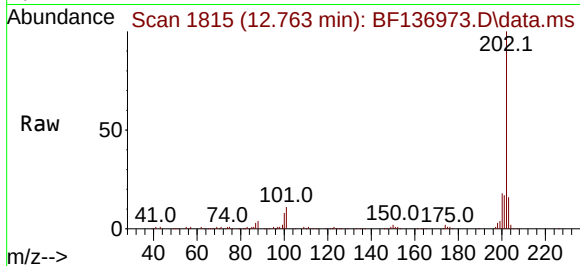




#78
Pyrene
Concen: 6.763 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

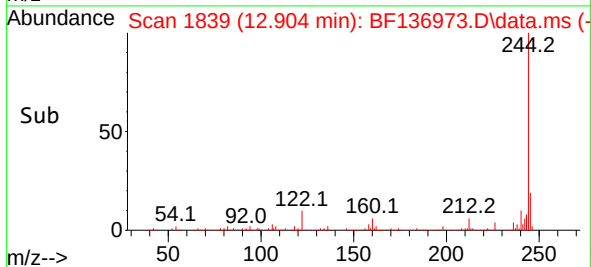
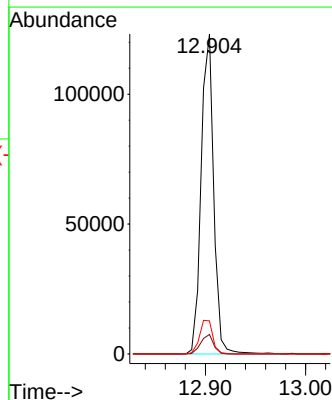
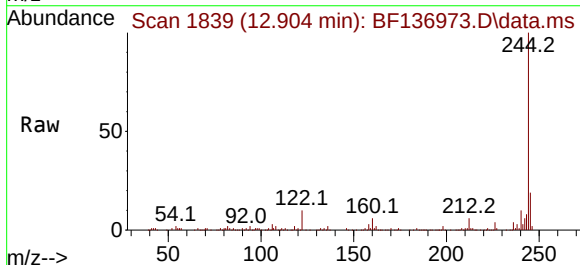
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5DL

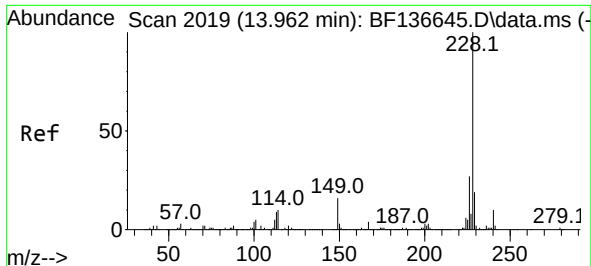
Tgt Ion:202 Resp: 77068
Ion Ratio Lower Upper
202 100
200 18.0 15.9 23.9
203 16.4 13.8 20.6



#79
Terphenyl-d14
Concen: 12.945 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.011 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

Tgt Ion:244 Resp: 107530
Ion Ratio Lower Upper
244 100
212 6.1 5.0 7.4
122 10.3 9.0 13.4

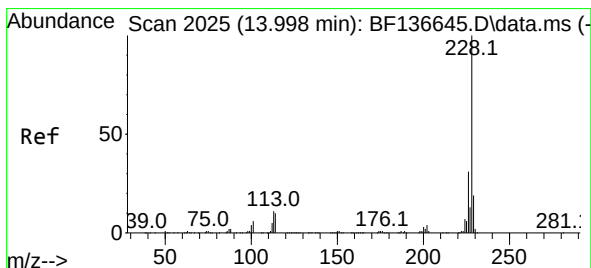
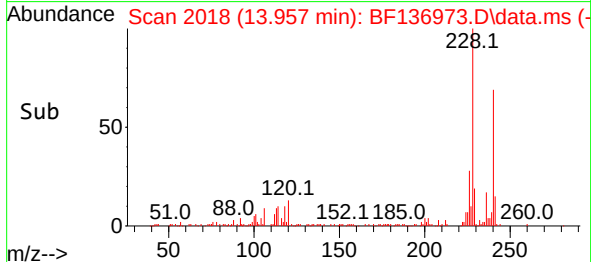
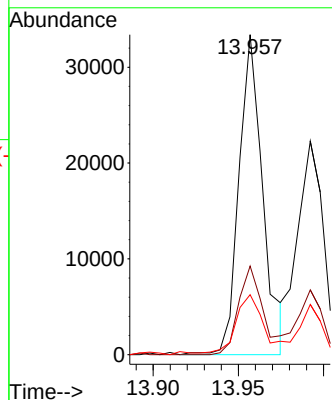
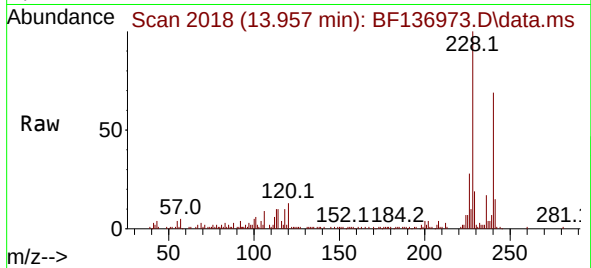




#81
Benzo(a)anthracene
Concen: 4.031 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

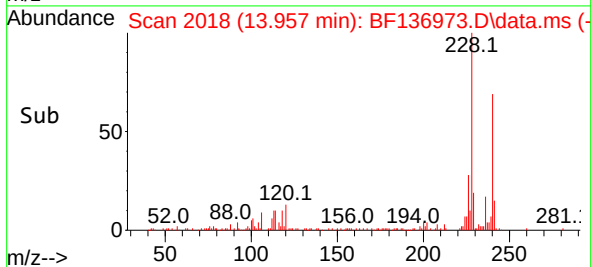
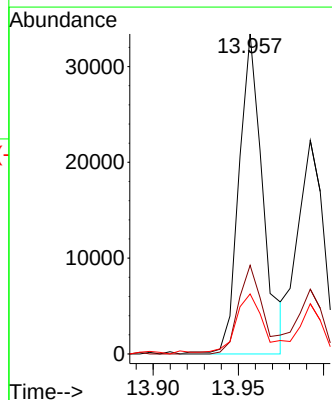
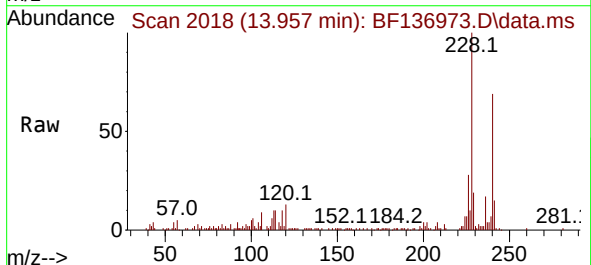
Instrument :
BNA_F
ClientSampleId :
SB32-2-20231222-7.5-8.5DL

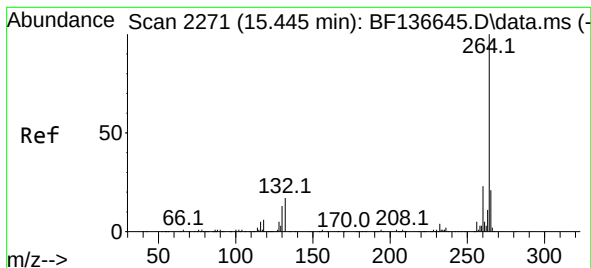
Tgt Ion:228 Resp: 32493
Ion Ratio Lower Upper
228 100
226 27.7 21.4 32.0
229 18.8 14.9 22.3



#83
Chrysene
Concen: 4.122 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.041 min
Lab File: BF136973.D
Acq: 05 Jan 2024 13:46

Tgt Ion:228 Resp: 32493
Ion Ratio Lower Upper
228 100
226 27.7 24.7 37.1
229 18.8 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136973.D

Acq: 05 Jan 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SB32-2-20231222-7.5-8.5DL

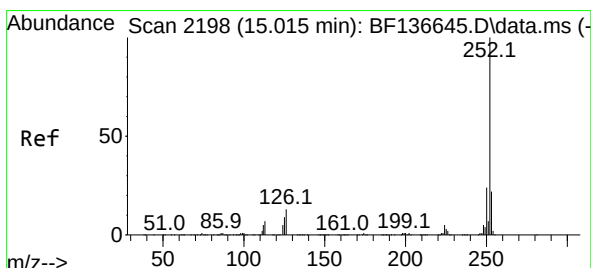
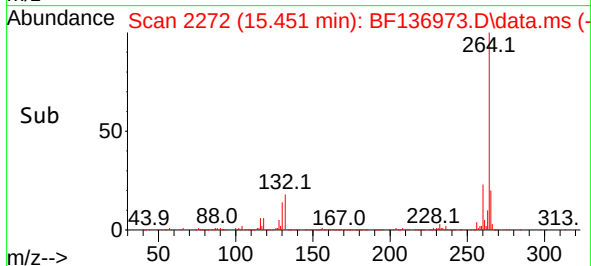
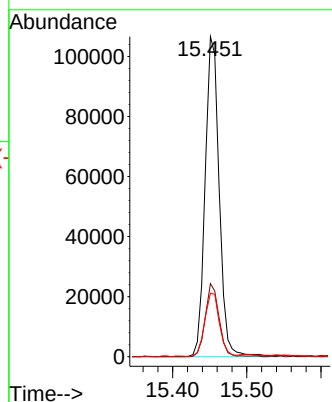
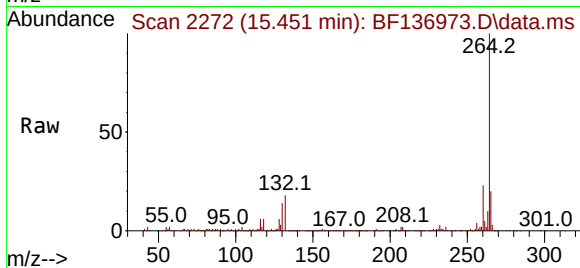
Tgt Ion:264 Resp: 140800

Ion Ratio Lower Upper

264 100

260 22.8 18.3 27.5

265 19.8 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 4.808 ng

RT: 15.016 min Scan# 2198

Delta R.T. 0.000 min

Lab File: BF136973.D

Acq: 05 Jan 2024 13:46

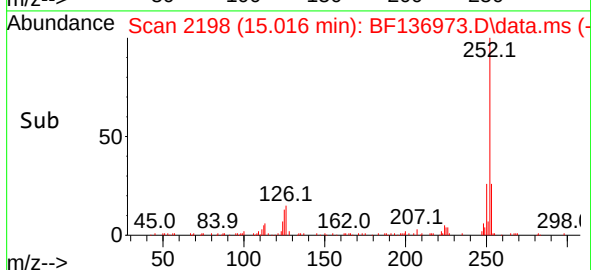
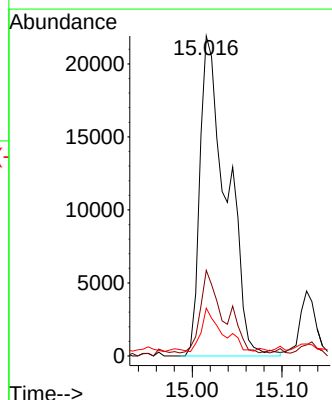
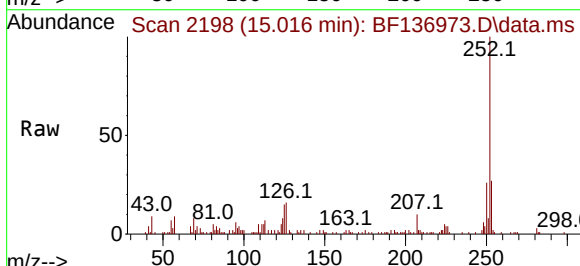
Tgt Ion:252 Resp: 45216

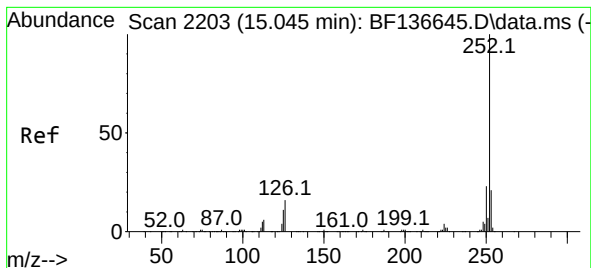
Ion Ratio Lower Upper

252 100

253 26.8 17.4 26.0#

125 15.0 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 5.088 ng

RT: 15.016 min Scan# 2198

Delta R.T. -0.029 min

Lab File: BF136973.D

Acq: 05 Jan 2024 13:46

Instrument :

BNA_F

ClientSampleId :

SB32-2-20231222-7.5-8.5DL

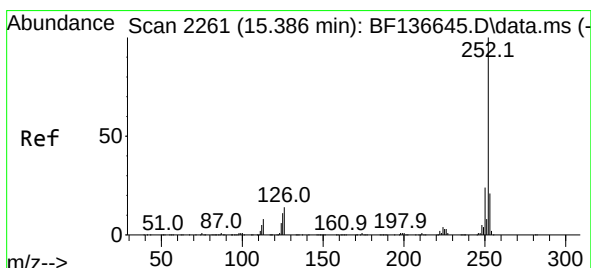
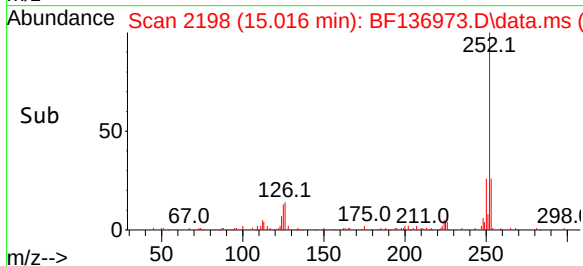
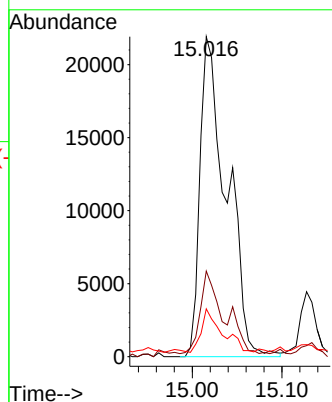
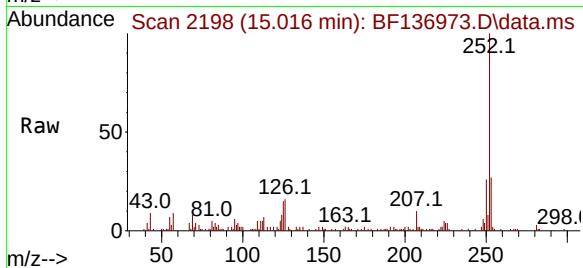
Tgt Ion:252 Resp: 45216

Ion Ratio Lower Upper

252 100

253 26.8 17.0 25.6#

125 15.0 8.2 12.4#



#90

Benzo(a)pyrene

Concen: 3.414 ng

RT: 15.386 min Scan# 2261

Delta R.T. 0.000 min

Lab File: BF136973.D

Acq: 05 Jan 2024 13:46

Tgt Ion:252 Resp: 27100

Ion Ratio Lower Upper

252 100

253 22.2 17.0 25.6

125 10.8 8.8 13.2

