

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
 Data File : BF136690.D
 Acq On : 22 Dec 2023 17:37
 Operator : CG\JU
 Sample : 05914-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12000

Quant Time: Dec 22 18:20:42 2023
 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)

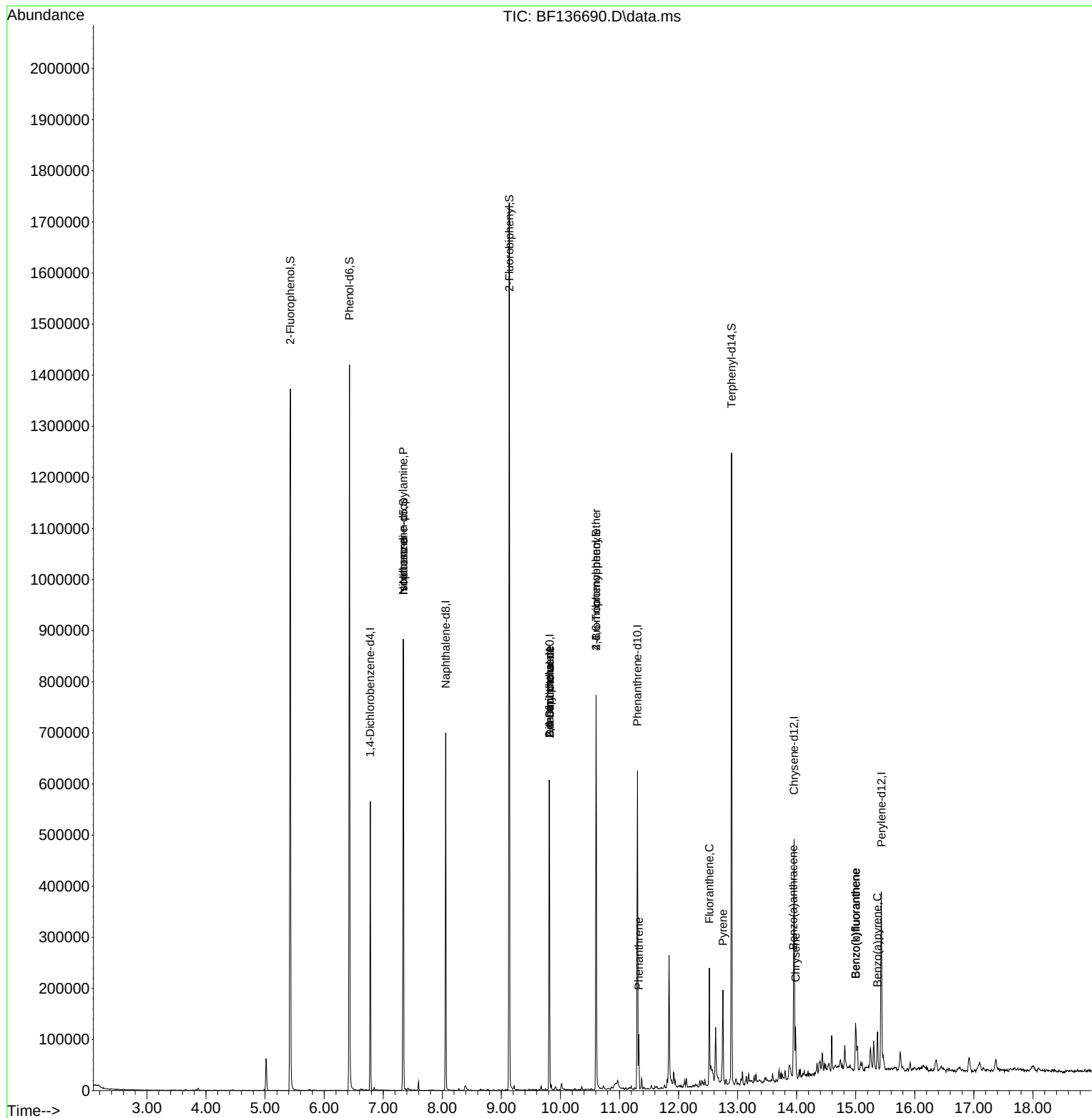
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	73336	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	273055	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	129026	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	212182	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	135083	20.000	ng	-0.01
86) Perylene-d12	15.433	264	156653	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	358992	76.379	ng	0.00
7) Phenol-d6	6.428	99	438053	71.927	ng	-0.01
23) Nitrobenzene-d5	7.340	82	277376	51.981	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	95789	63.037	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	529097	55.154	ng	-0.02
79) Terphenyl-d14	12.898	244	404390	41.835	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.340	70	36773	9.960	ng	# 75
25) Isophorone	7.340	82	275400	28.364	ng	# 65
50) Dimethylphthalate	9.816	163	26468	2.808	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	15442	7.220	ng	# 29
57) 2,4-Dinitrotoluene	9.816	165	15442	5.561	ng	# 20
67) 4-Bromophenyl-phenylether	10.604	248	5428	2.303	ng	# 1
71) Phenanthrene	11.328	178	35206	3.234	ng	97
75) Fluoranthene	12.522	202	82190	7.058	ng	98
78) Pyrene	12.751	202	72026	5.432	ng	98
81) Benzo(a)anthracene	13.945	228	35090	3.741	ng	94
83) Chrysene	13.980	228	36304	3.958	ng	96
88) Benzo(b)fluoranthene	14.998	252	64773	6.191	ng	96
89) Benzo(k)fluoranthene	14.998	252	64773	6.552	ng	96
90) Benzo(a)pyrene	15.368	252	34009	3.851	ng	100

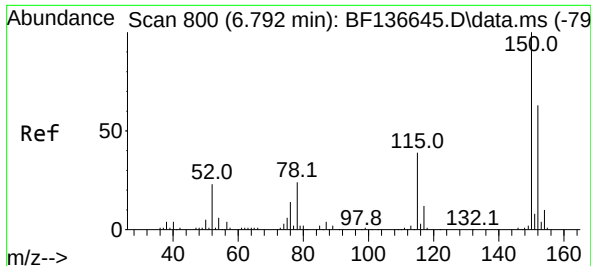
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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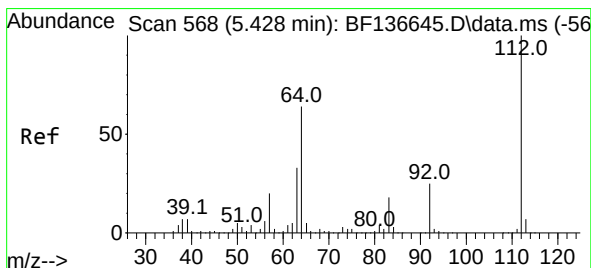
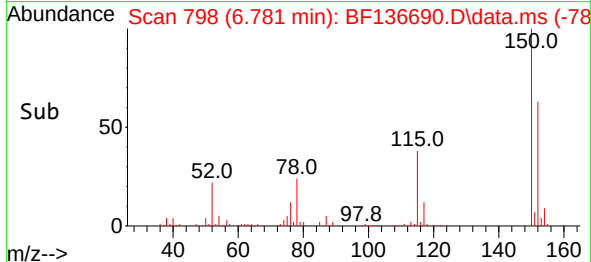
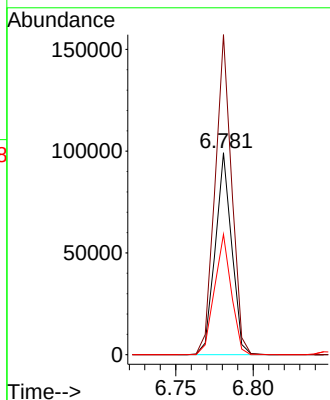
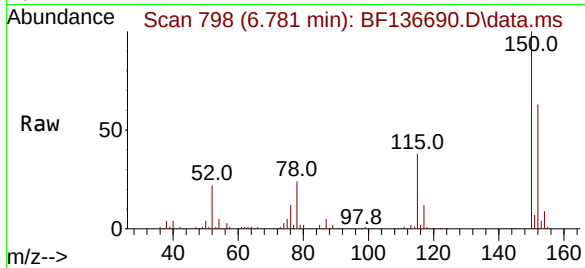




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

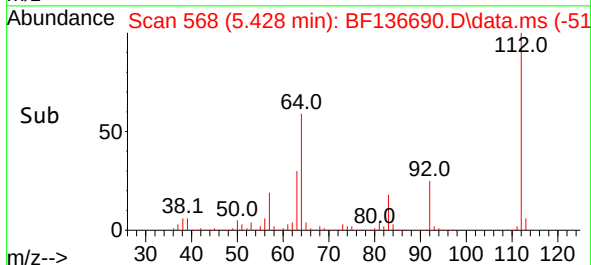
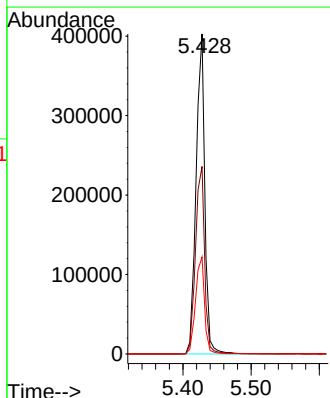
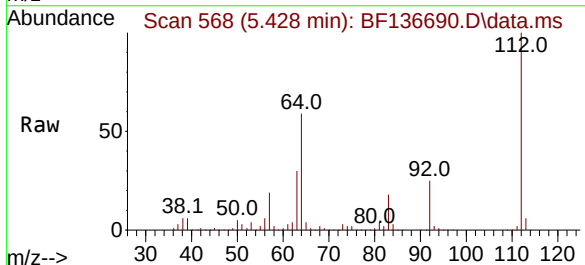
Instrument :
BNA_F
ClientSampleId :
72-12000

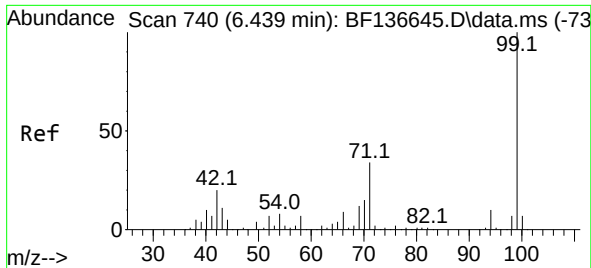
Tgt Ion:152 Resp: 73336
Ion Ratio Lower Upper
152 100
150 158.4 127.0 190.6
115 59.6 49.0 73.4



#5
2-Fluorophenol
Concen: 76.379 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

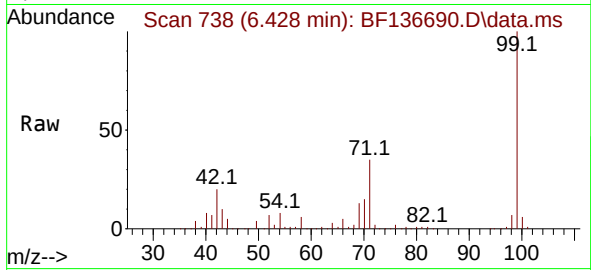
Tgt Ion:112 Resp: 358992
Ion Ratio Lower Upper
112 100
64 58.6 51.1 76.7
63 30.3 26.1 39.1





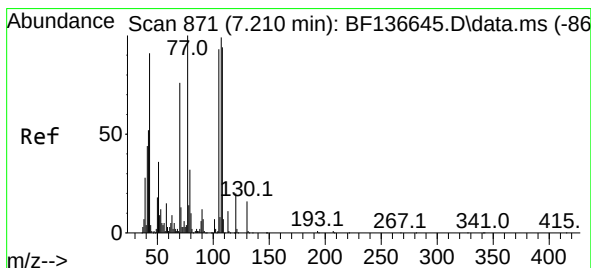
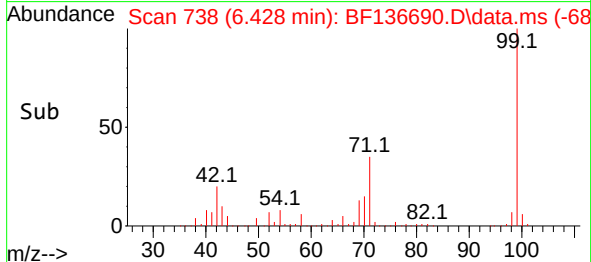
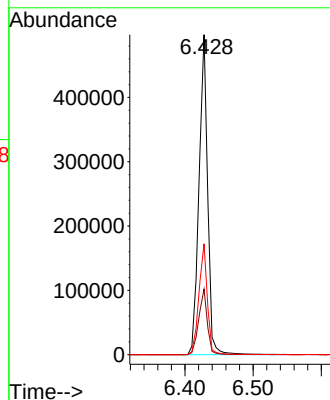
#7
Phenol-d6
Concen: 71.927 ng
RT: 6.428 min Scan# 719
Delta R.T. -0.012 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

Instrument :
BNA_F
ClientSampleId :
72-12000



Tgt Ion: 99 Resp: 438053

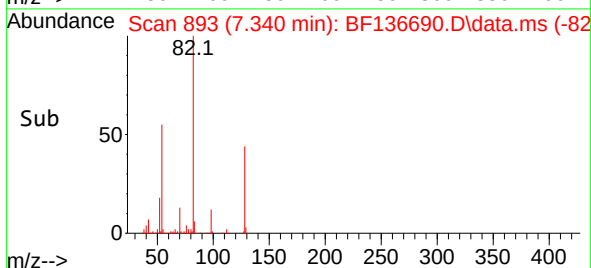
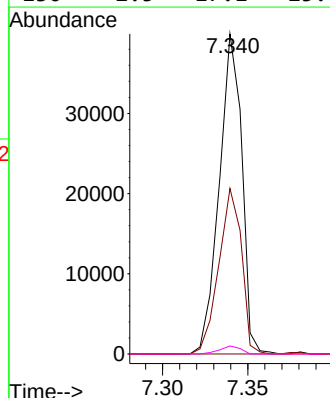
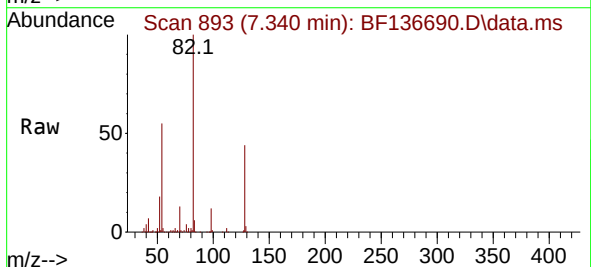
Ion	Ratio	Lower	Upper
99	100		
42	20.5	16.1	24.1
71	34.7	27.4	41.2

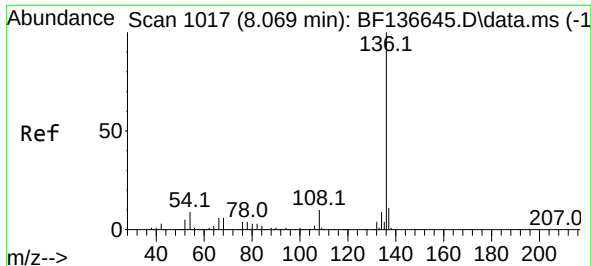


#19
n-Nitroso-di-n-propylamine
Concen: 9.960 ng
RT: 7.340 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

Tgt Ion: 70 Resp: 36773

Ion	Ratio	Lower	Upper
70	100		
42	51.7	54.2	81.4#
101	0.0	7.6	11.4#
130	2.5	17.1	25.7#



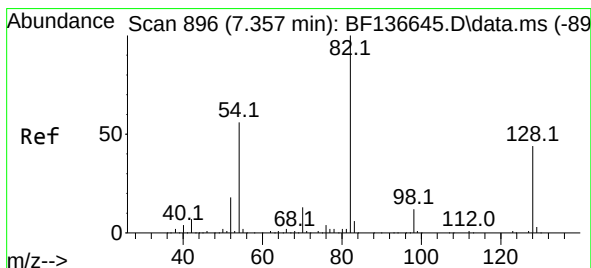
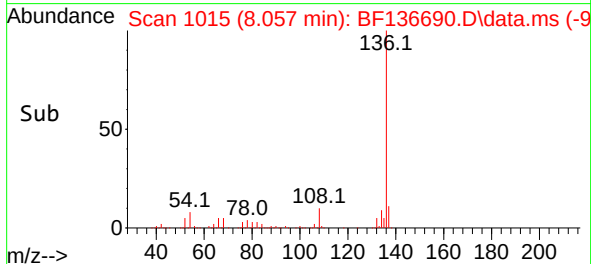
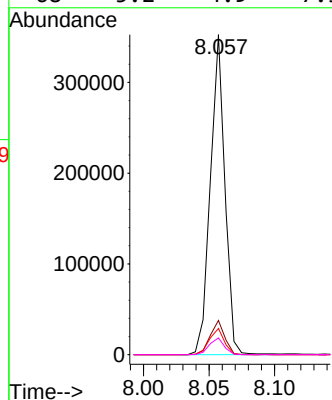
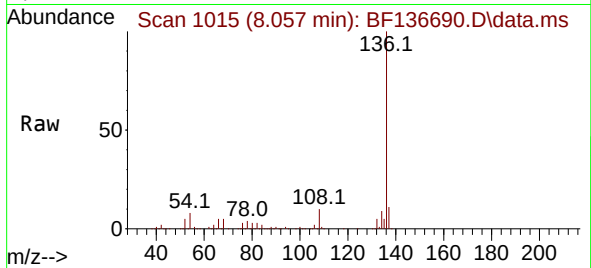


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

Instrument :
BNA_F
ClientSampleId :
72-12000

Tgt Ion:136 Resp: 273055

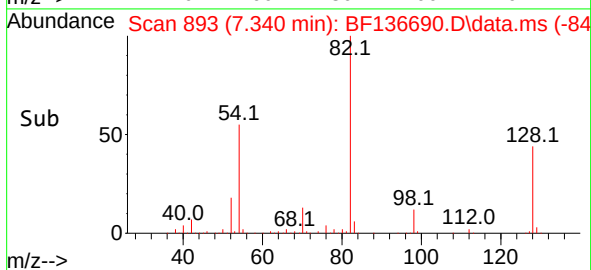
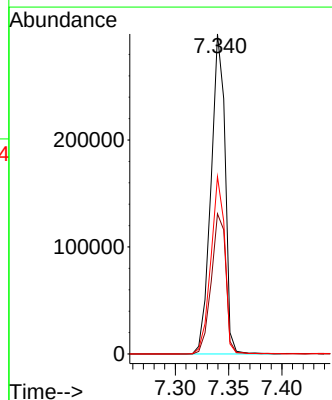
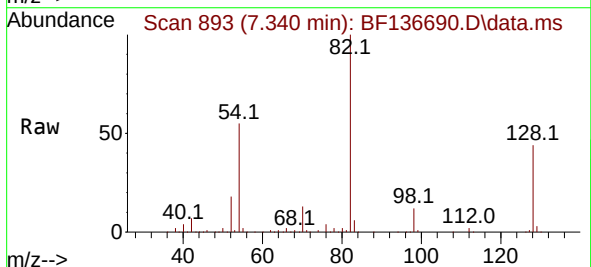
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	8.2	7.2	10.8
68	5.2	4.9	7.3

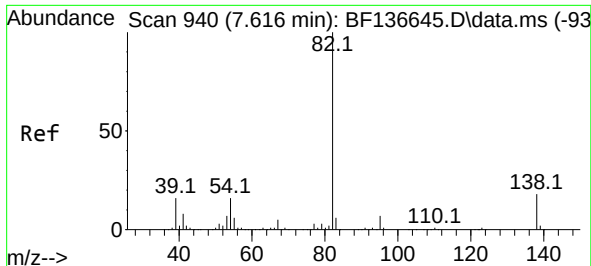


#23
Nitrobenzene-d5
Concen: 51.981 ng
RT: 7.340 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

Tgt Ion: 82 Resp: 277376

Ion	Ratio	Lower	Upper
82	100		
128	43.8	35.3	52.9
54	55.4	44.5	66.7

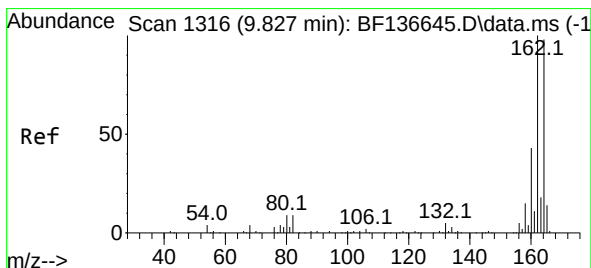
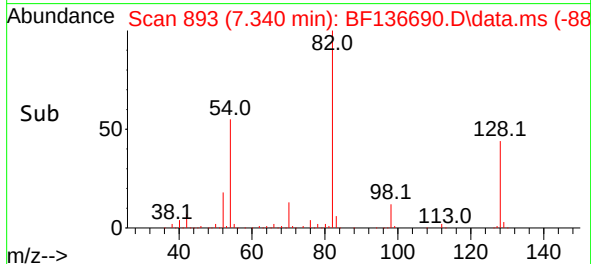
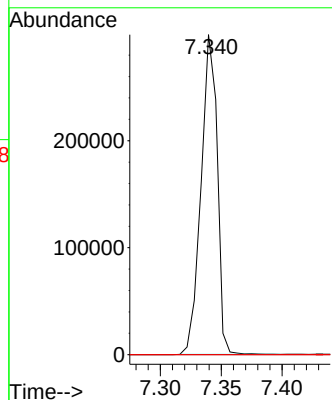
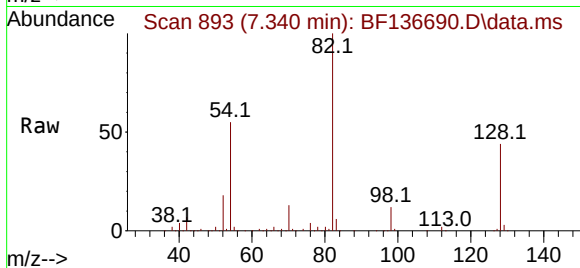




#25
Isophorone
Concen: 28.364 ng
RT: 7.340 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

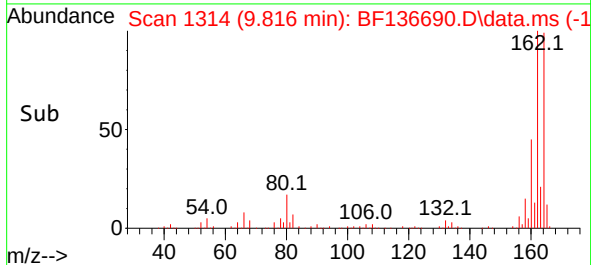
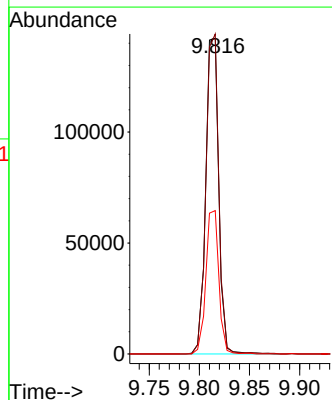
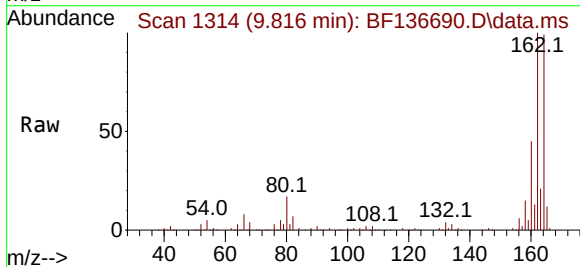
Instrument :
BNA_F
ClientSampleId :
72-12000

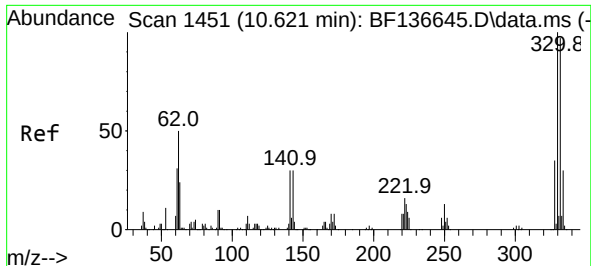
Tgt Ion: 82 Resp: 275400
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

Tgt Ion:164 Resp: 129026
Ion Ratio Lower Upper
164 100
162 101.3 81.6 122.4
160 45.4 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 63.037 ng

RT: 10.604 min Scan# 1451

Delta R.T. -0.017 min

Lab File: BF136690.D

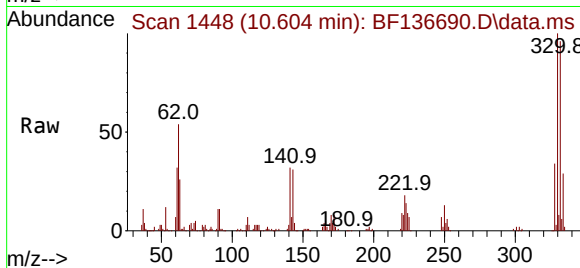
Acq: 22 Dec 2023 17:37

Instrument :

BNA_F

ClientSampleId :

72-12000



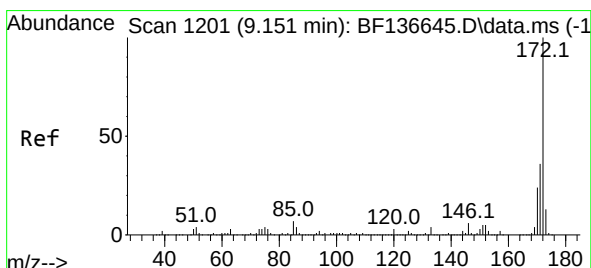
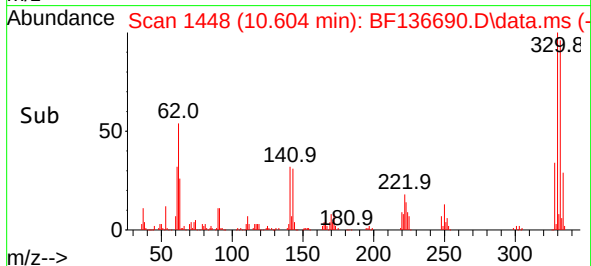
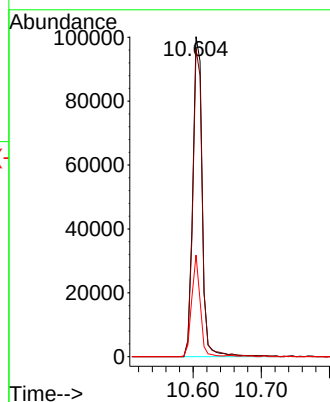
Tgt Ion:330 Resp: 95789

Ion Ratio Lower Upper

330 100

332 96.1 77.4 116.0

141 28.6 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 55.154 ng

RT: 9.134 min Scan# 1198

Delta R.T. -0.017 min

Lab File: BF136690.D

Acq: 22 Dec 2023 17:37

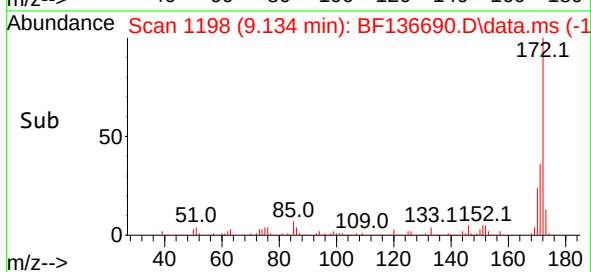
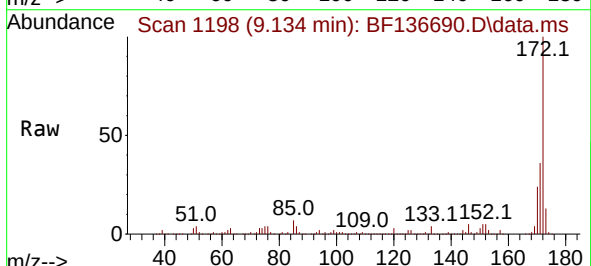
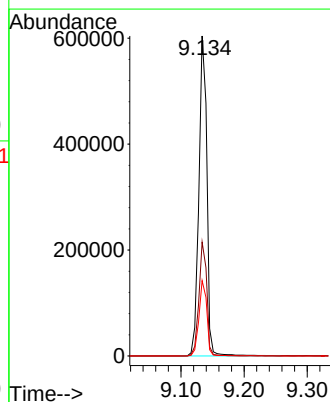
Tgt Ion:172 Resp: 529097

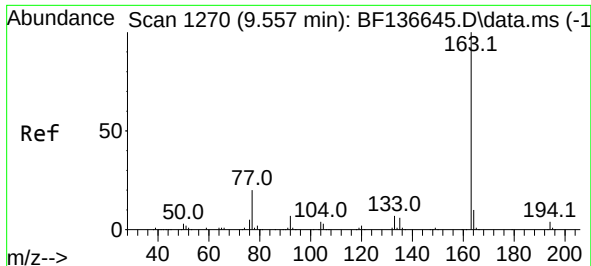
Ion Ratio Lower Upper

172 100

171 35.6 29.0 43.6

170 23.5 19.0 28.4

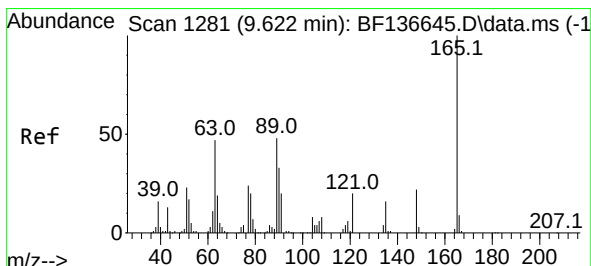
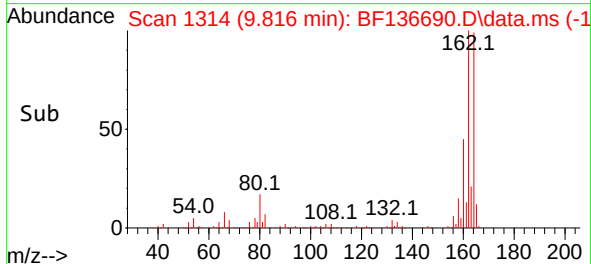
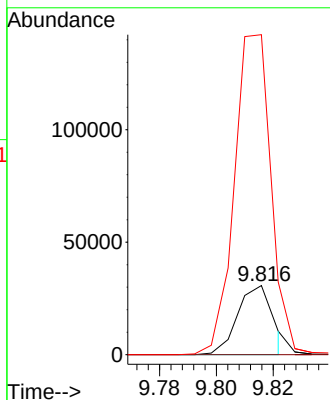
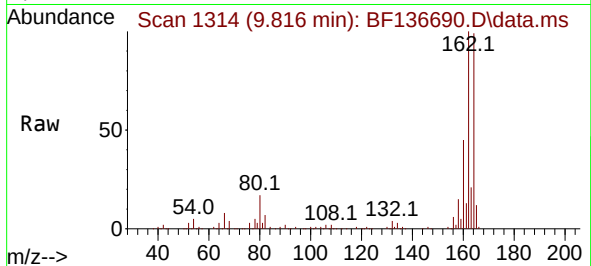




#50
Dimethylphthalate
Concen: 2.808 ng
RT: 9.816 min Scan# 11
Delta R.T. 0.259 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

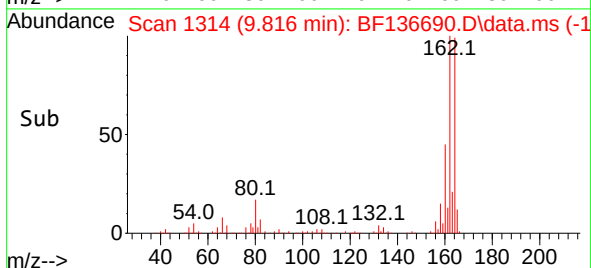
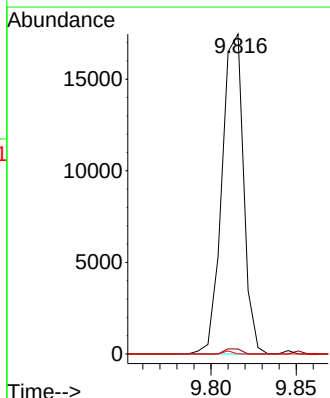
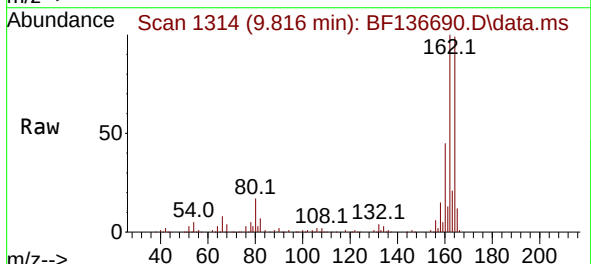
Instrument :
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72-12000

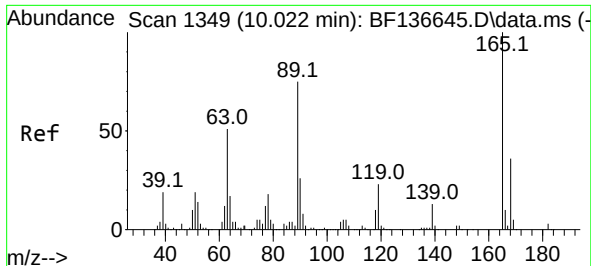
Tgt Ion:163 Resp: 26468
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 463.0 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.220 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

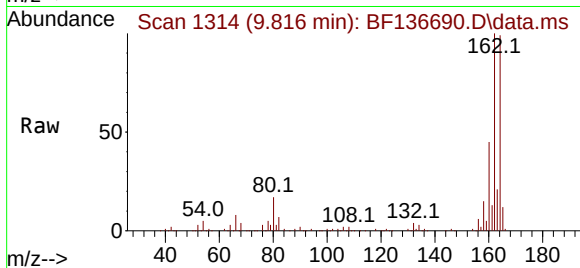
Tgt Ion:165 Resp: 15442
Ion Ratio Lower Upper
165 100
63 1.5 39.8 59.6#
89 0.0 38.8 58.2#



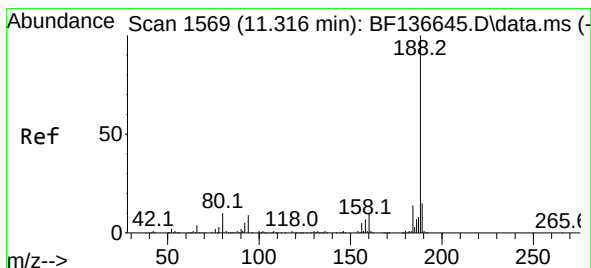
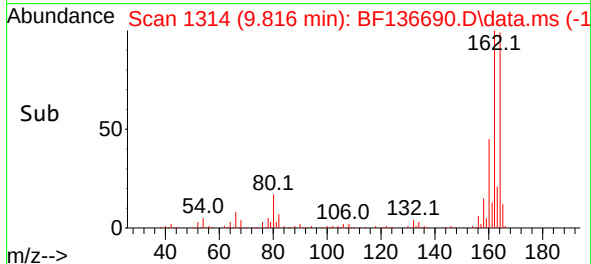
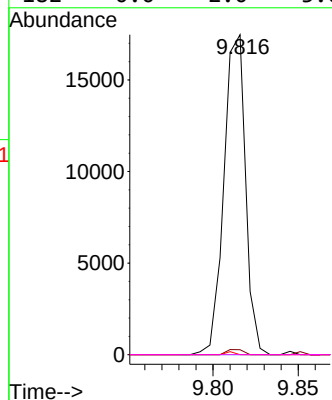


#57
2,4-Dinitrotoluene
Concen: 5.561 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

Instrument :
BNA_F
ClientSampleId :
72-12000

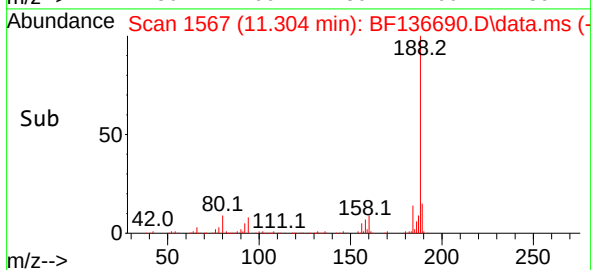
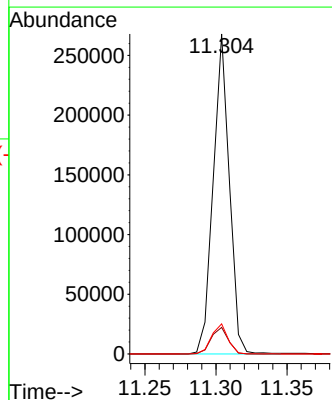
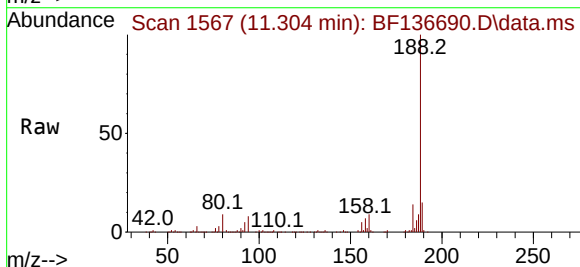


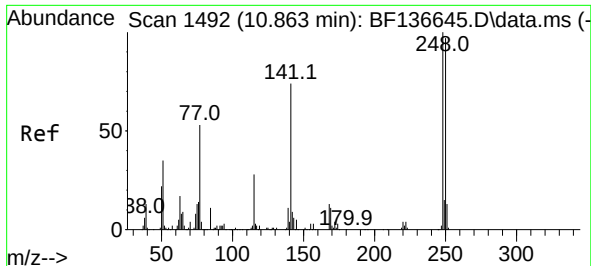
Tgt Ion:165 Resp: 15442
Ion Ratio Lower Upper
165 100
63 1.5 41.0 61.6#
89 0.0 59.9 89.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

Tgt Ion:188 Resp: 212182
Ion Ratio Lower Upper
188 100
94 8.3 7.5 11.3
80 9.4 8.1 12.1

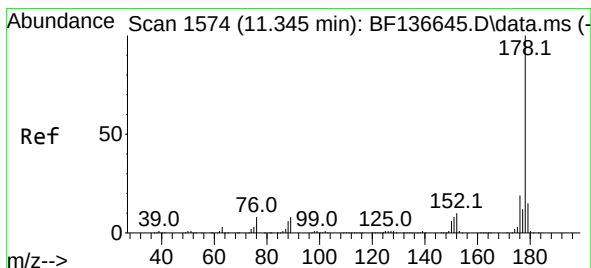
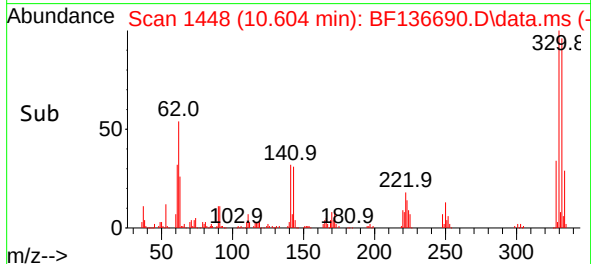
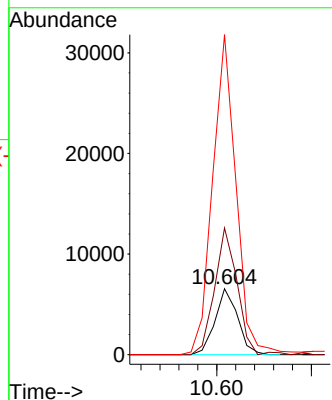
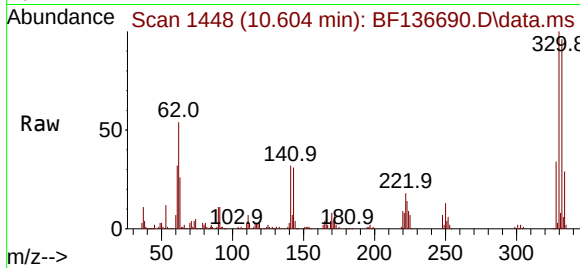




#67
4-Bromophenyl-phenylether
Concen: 2.303 ng
RT: 10.604 min Scan# 1492
Delta R.T. -0.259 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

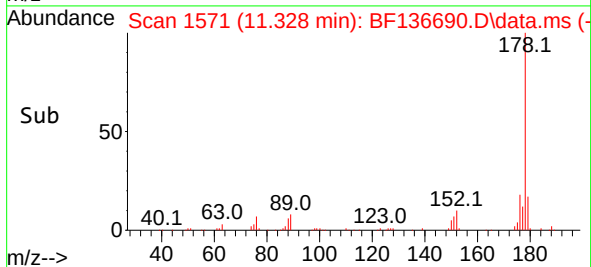
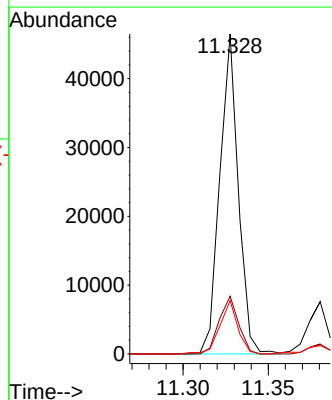
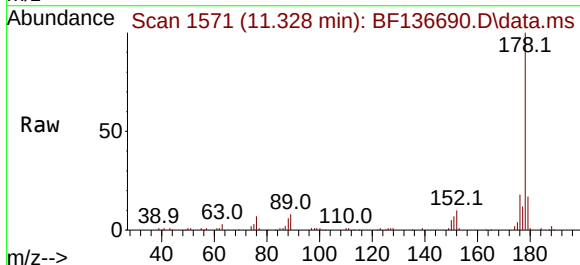
Instrument :
BNA_F
ClientSampleId :
72-12000

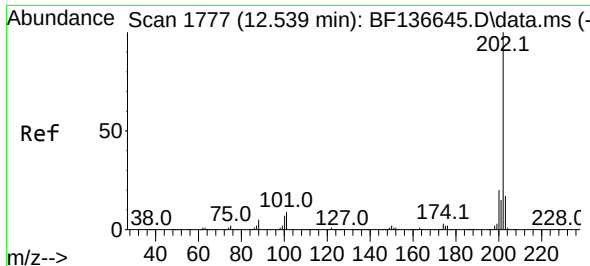
Tgt Ion:248 Resp: 5428
Ion Ratio Lower Upper
248 100
250 192.5 77.8 116.6#
141 485.9 59.2 88.8#



#71
Phenanthrene
Concen: 3.234 ng
RT: 11.328 min Scan# 1571
Delta R.T. -0.017 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

Tgt Ion:178 Resp: 35206
Ion Ratio Lower Upper
178 100
176 18.1 15.3 22.9
179 16.7 11.9 17.9

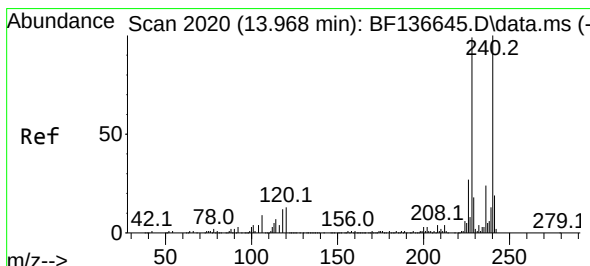
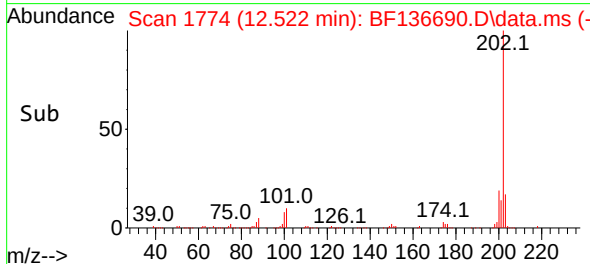
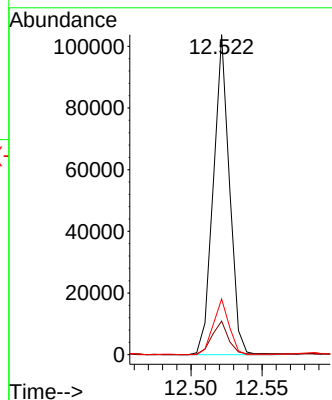
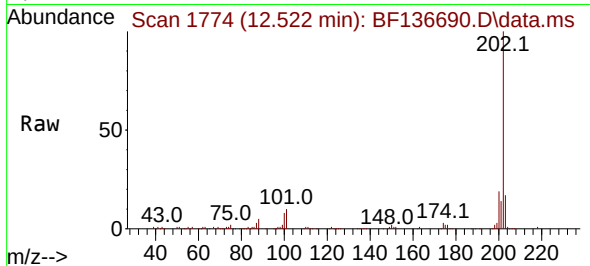




#75
Fluoranthene
Concen: 7.058 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

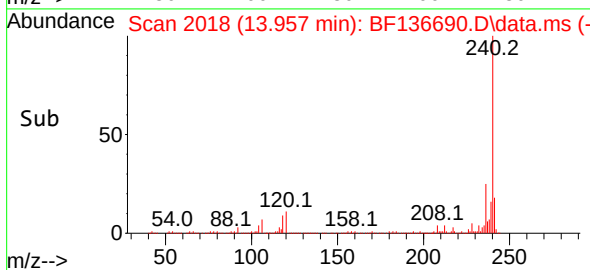
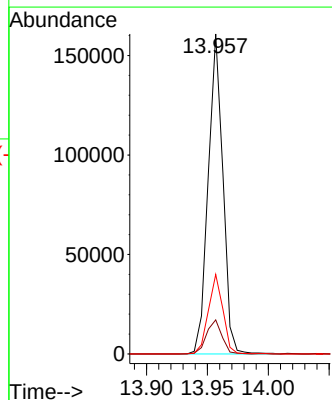
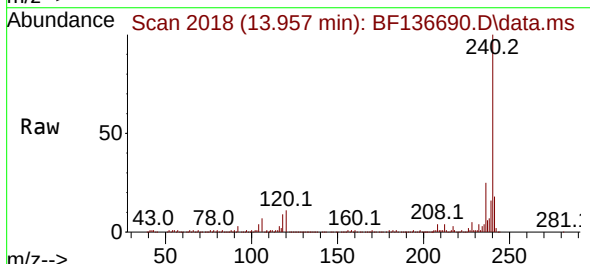
Instrument :
BNA_F
ClientSampleId :
72-12000

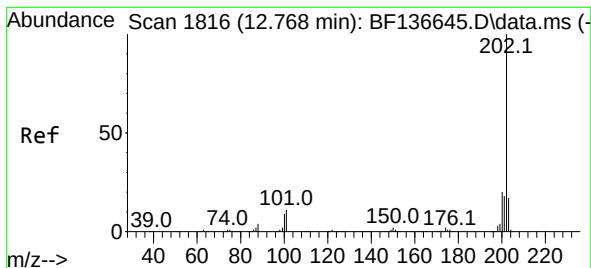
Tgt Ion:202 Resp: 82190
Ion Ratio Lower Upper
202 100
101 10.5 0.0 29.3
203 17.4 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

Tgt Ion:240 Resp: 135083
Ion Ratio Lower Upper
240 100
120 10.6 10.3 15.5
236 24.8 19.4 29.2





#78

Pyrene

Concen: 5.432 ng

RT: 12.751 min Scan# 1816

Delta R.T. -0.017 min

Lab File: BF136690.D

Acq: 22 Dec 2023 17:37

Instrument :

BNA_F

ClientSampleId :

72-12000

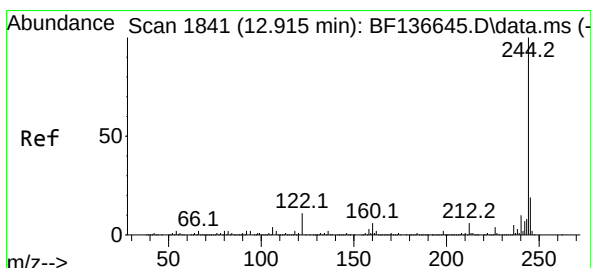
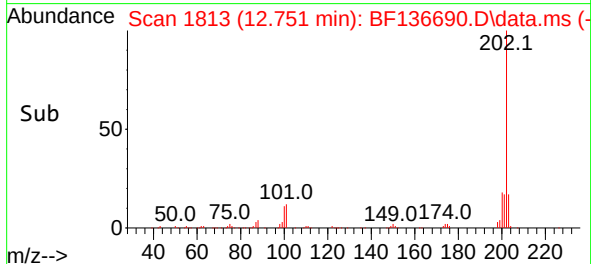
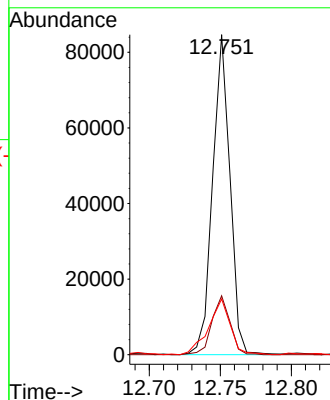
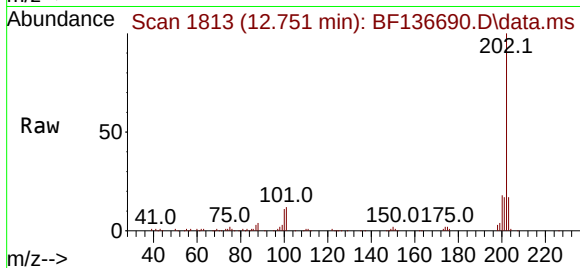
Tgt Ion:202 Resp: 72026

Ion Ratio Lower Upper

202 100

200 18.4 15.9 23.9

203 17.4 13.8 20.6



#79

Terphenyl-d14

Concen: 41.835 ng

RT: 12.898 min Scan# 1838

Delta R.T. -0.017 min

Lab File: BF136690.D

Acq: 22 Dec 2023 17:37

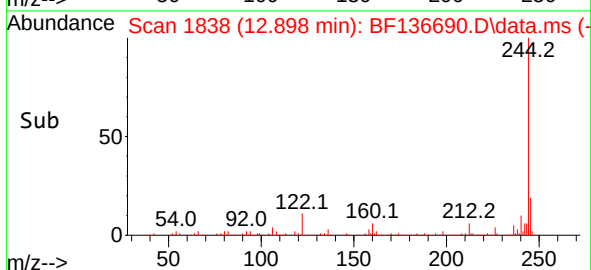
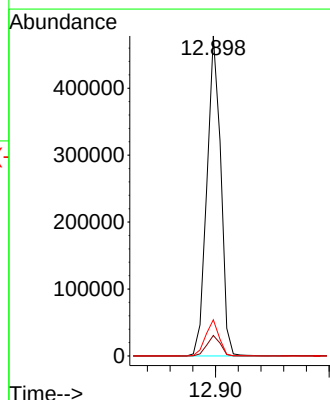
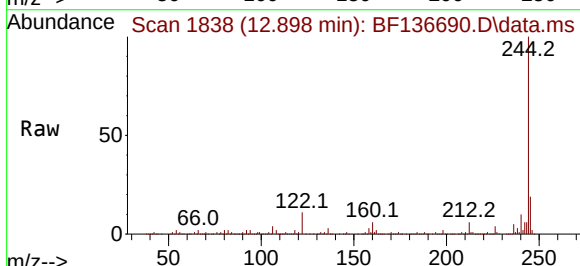
Tgt Ion:244 Resp: 404390

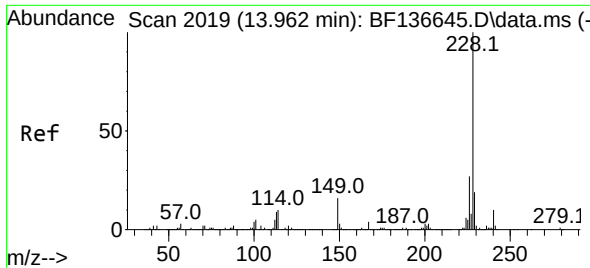
Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.4

122 11.3 9.0 13.4

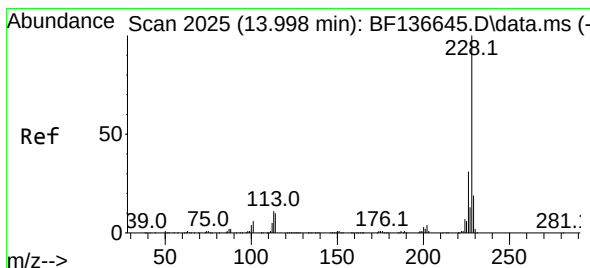
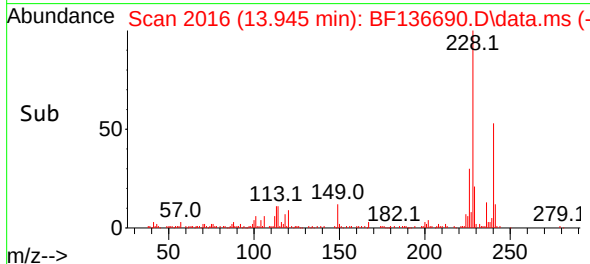
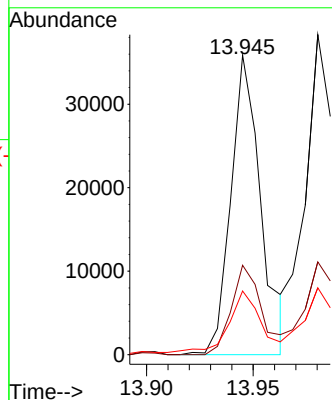
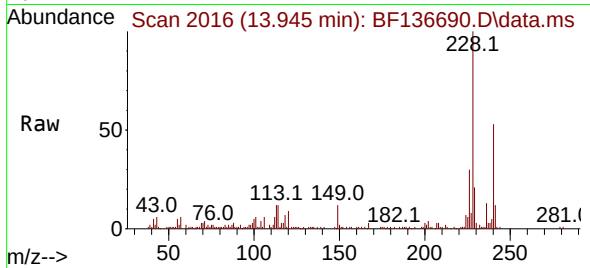




#81
Benzo(a)anthracene
Concen: 3.741 ng
RT: 13.945 min Scan# 2016
Delta R.T. -0.017 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

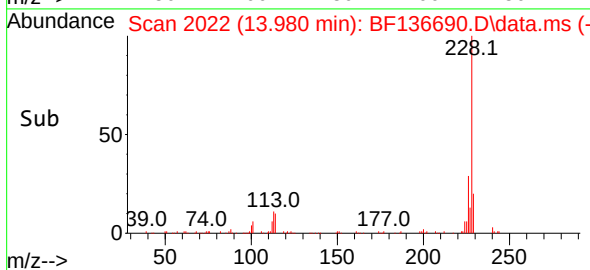
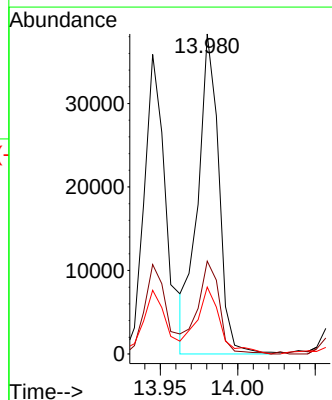
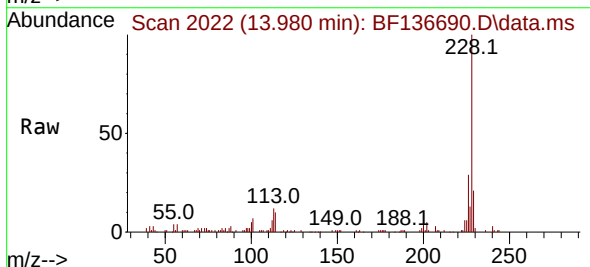
Instrument :
BNA_F
ClientSampleId :
72-12000

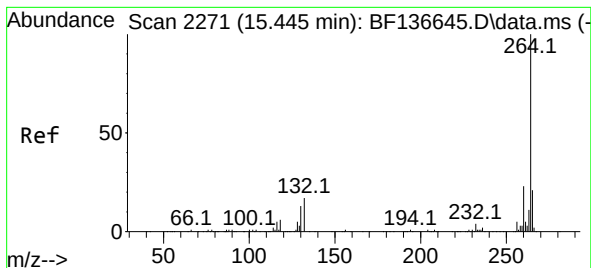
Tgt Ion:228 Resp: 35090
Ion Ratio Lower Upper
228 100
226 29.9 21.4 32.0
229 21.3 14.9 22.3



#83
Chrysene
Concen: 3.958 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.017 min
Lab File: BF136690.D
Acq: 22 Dec 2023 17:37

Tgt Ion:228 Resp: 36304
Ion Ratio Lower Upper
228 100
226 29.0 24.7 37.1
229 20.9 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2195

Delta R.T. -0.012 min

Lab File: BF136690.D

Acq: 22 Dec 2023 17:37

Instrument :

BNA_F

ClientSampleId :

72-12000

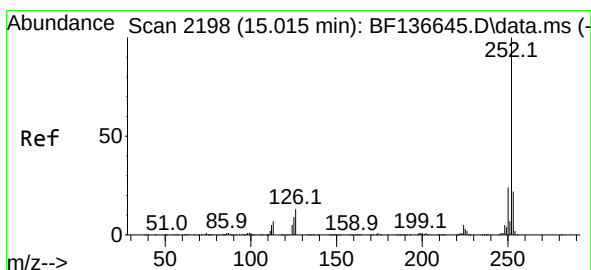
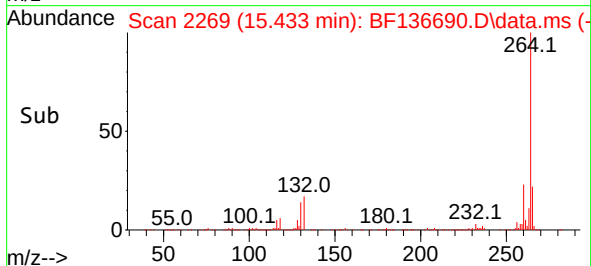
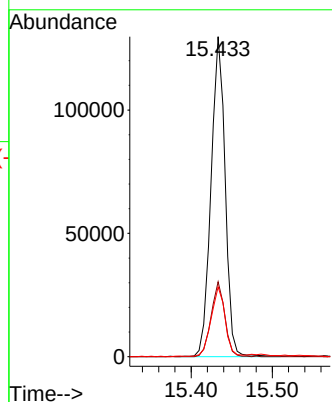
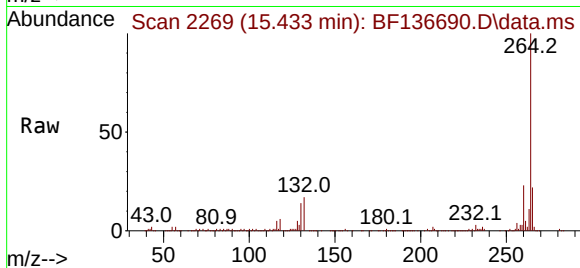
Tgt Ion:264 Resp: 156653

Ion Ratio Lower Upper

264 100

260 23.4 18.3 27.5

265 21.8 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 6.191 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.017 min

Lab File: BF136690.D

Acq: 22 Dec 2023 17:37

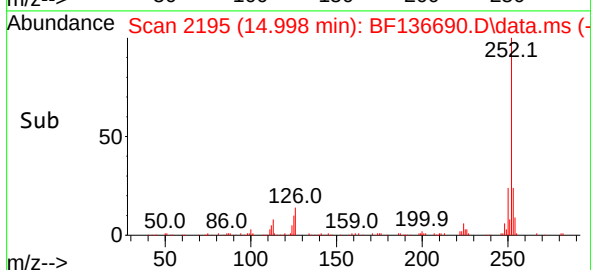
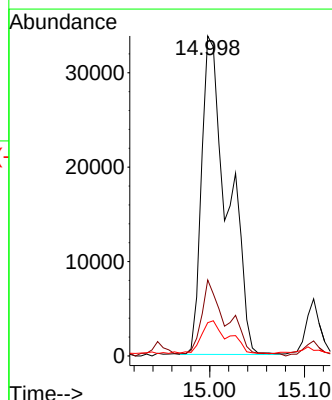
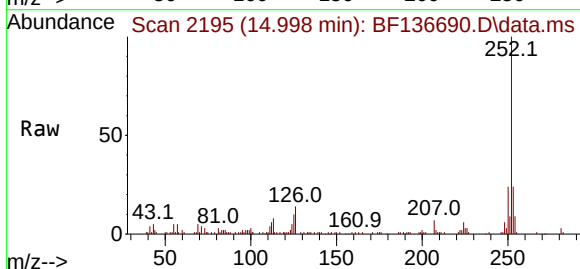
Tgt Ion:252 Resp: 64773

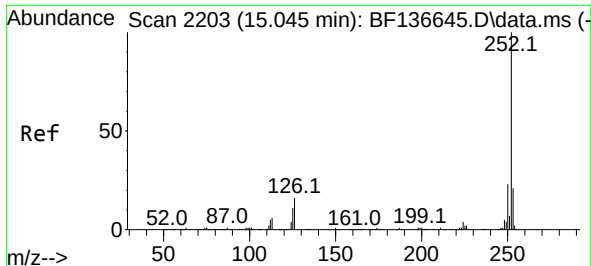
Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.0

125 10.4 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 6.552 ng

RT: 14.998 min Scan# 2195

Delta R.T. -0.047 min

Lab File: BF136690.D

Acq: 22 Dec 2023 17:37

Instrument :

BNA_F

ClientSampleId :

72-12000

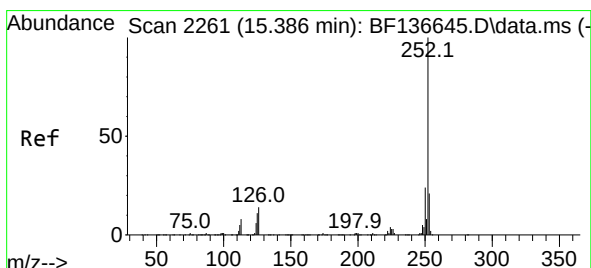
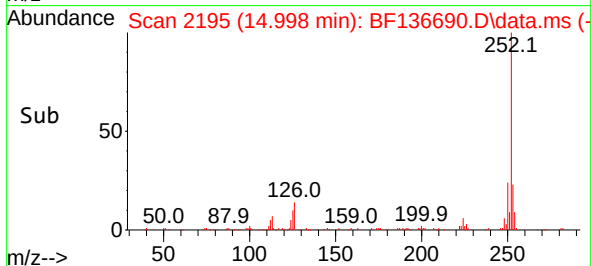
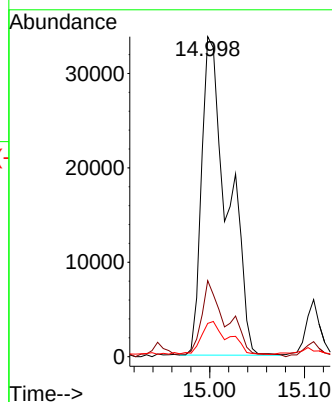
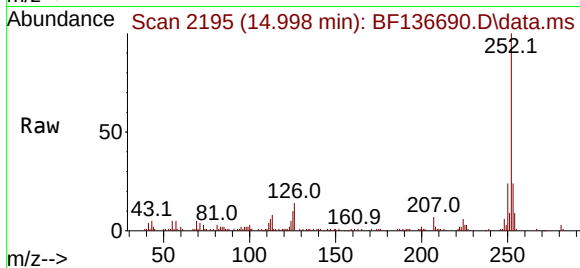
Tgt Ion:252 Resp: 64773

Ion Ratio Lower Upper

252 100

253 23.8 17.0 25.6

125 10.4 8.2 12.4



#90

Benzo(a)pyrene

Concen: 3.851 ng

RT: 15.368 min Scan# 2258

Delta R.T. -0.017 min

Lab File: BF136690.D

Acq: 22 Dec 2023 17:37

Tgt Ion:252 Resp: 34009

Ion Ratio Lower Upper

252 100

253 21.3 17.0 25.6

125 10.7 8.8 13.2

