

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080524\
 Data File : BF138793.D
 Acq On : 05 Aug 2024 19:17
 Operator : RC/JU
 Sample : P3448-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP1

Quant Time: Aug 06 00:55:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

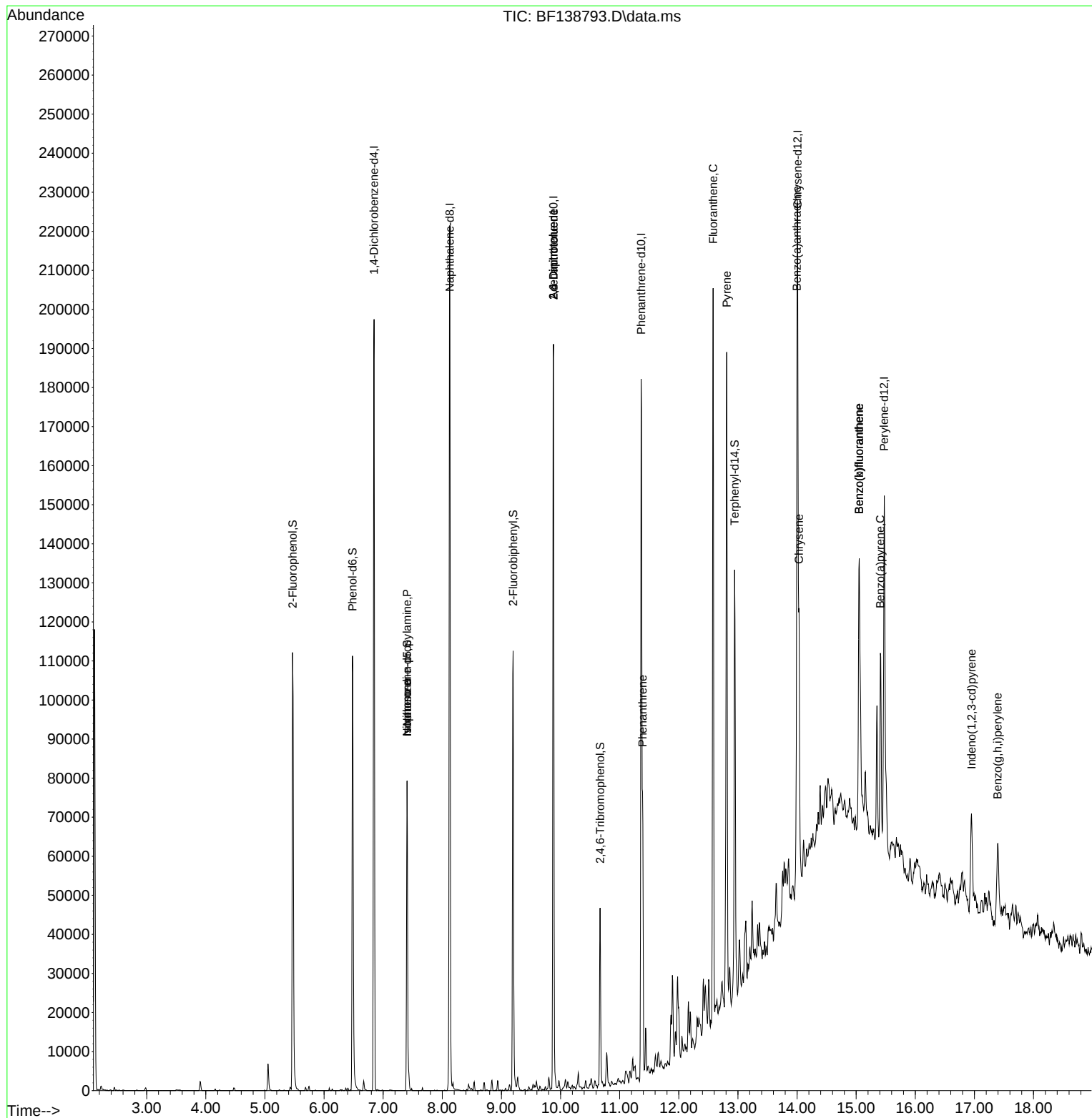
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.846	152	39308	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	137958	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	59656	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	92035	20.000	ng	0.00
76) Chrysene-d12	14.010	240	56185	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	49319	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	42892	16.844	ng	0.00
7) Phenol-d6	6.481	99	53773	15.728	ng	0.00
23) Nitrobenzene-d5	7.404	82	33343	11.817	ng	0.00
42) 2,4,6-Tribromophenol	10.669	330	6899	14.118	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	52460	13.213	ng	0.00
79) Terphenyl-d14	12.945	244	48315	14.397	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.404	70	4578	2.217	ng	# 77
25) Isophorone	7.404	82	33279	6.907	ng	# 66
51) 2,6-Dinitrotoluene	9.881	165	7349	8.537	ng	# 19
57) 2,4-Dinitrotoluene	9.881	165	7349	6.691	ng	# 16
71) Phenanthrene	11.386	178	34848	7.353	ng	98
75) Fluoranthene	12.580	202	98688	22.306	ng	98
78) Pyrene	12.810	202	89607	16.939	ng	99
81) Benzo(a)anthracene	13.998	228	41195	10.647	ng	97
83) Chrysene	14.033	228	32973	9.446	ng	98
87) Indeno(1,2,3-cd)pyrene	16.951	276	17310	4.898	ng	# 90
88) Benzo(b)fluoranthene	15.051	252	52796	17.269	ng	98
89) Benzo(k)fluoranthene	15.051	252	52796	19.945	ng	97
90) Benzo(a)pyrene	15.410	252	29625	11.520	ng	96
92) Benzo(g,h,i)perylene	17.392	276	17317	5.752	ng	97

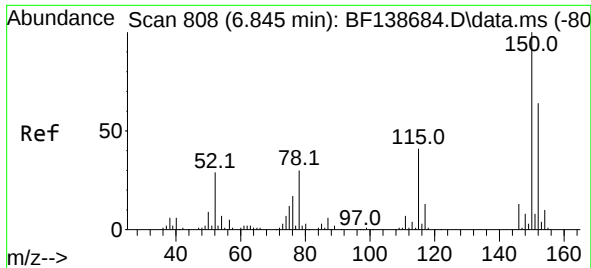
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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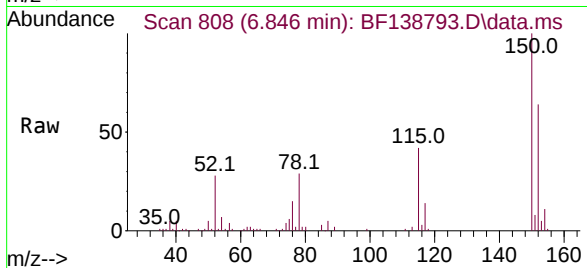
Quant Time: Aug 06 00:55:56 2024
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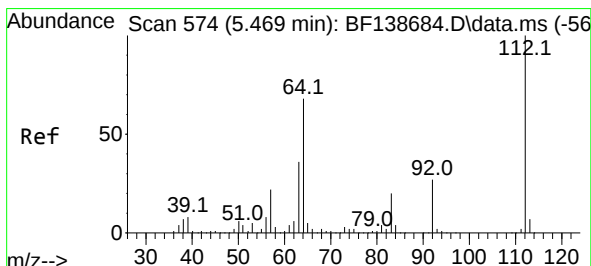
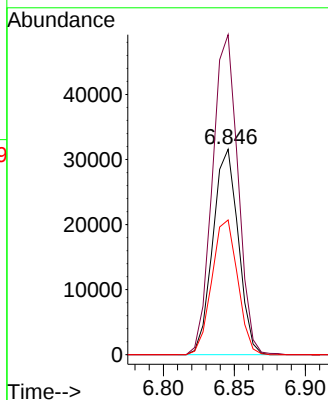
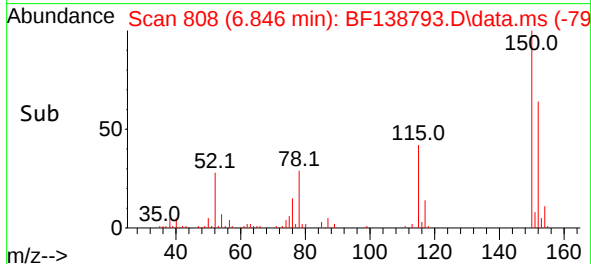


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.846 min Scan# 808
Delta R.T. 0.001 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17

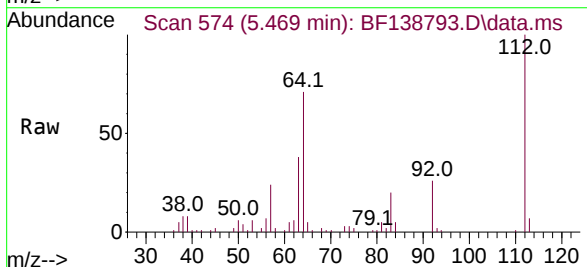
Instrument :
BNA_F
ClientSampleId :
TP1



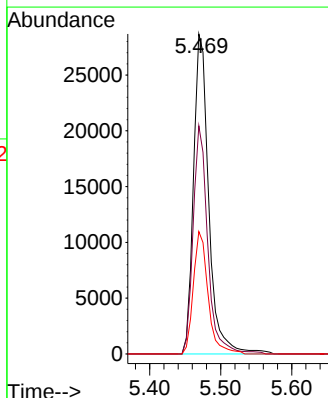
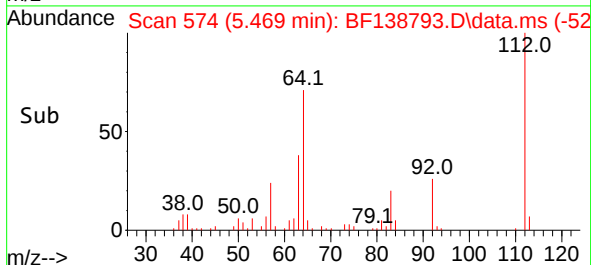
Tgt Ion:152 Resp: 39308
Ion Ratio Lower Upper
152 100
150 155.7 126.0 189.0
115 65.5 51.7 77.5

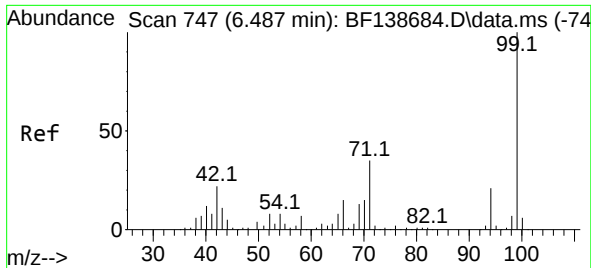


#5
2-Fluorophenol
Concen: 16.844 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17



Tgt Ion:112 Resp: 42892
Ion Ratio Lower Upper
112 100
64 71.3 54.2 81.4
63 38.2 28.7 43.1

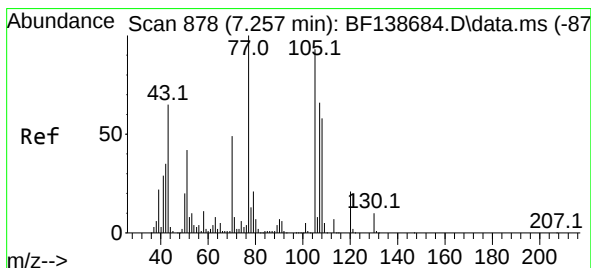
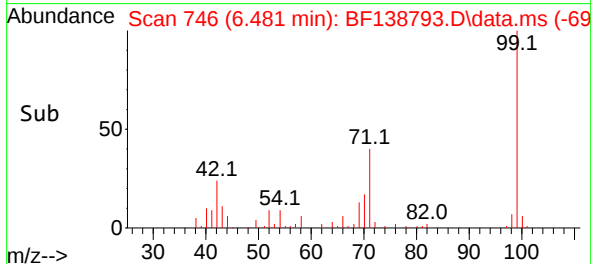
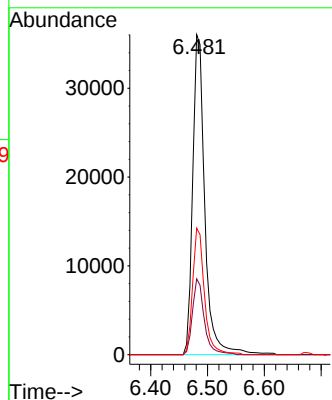
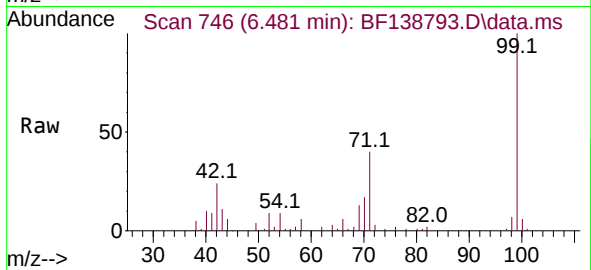




#7
Phenol-d6
Concen: 15.728 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17

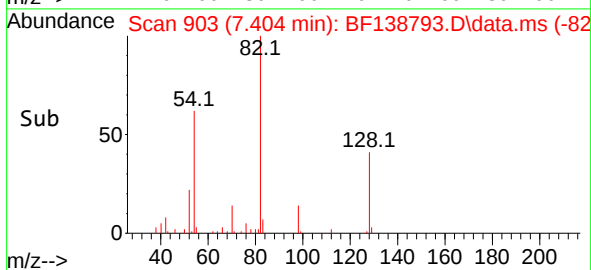
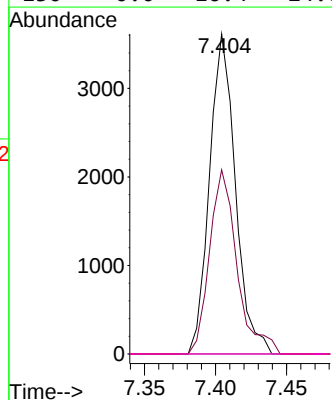
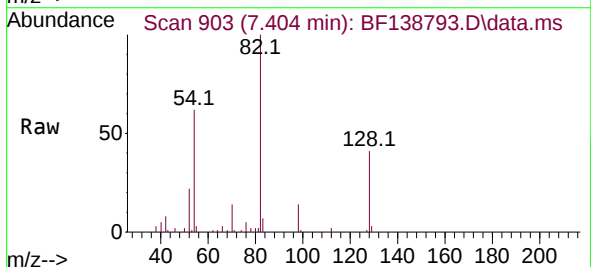
Instrument :
BNA_F
ClientSampleId :
TP1

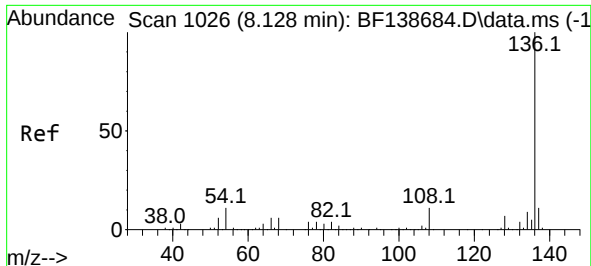
Tgt Ion: 99 Resp: 53773
Ion Ratio Lower Upper
99 100
42 23.7 17.4 26.0
71 39.5 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 2.217 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.147 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17

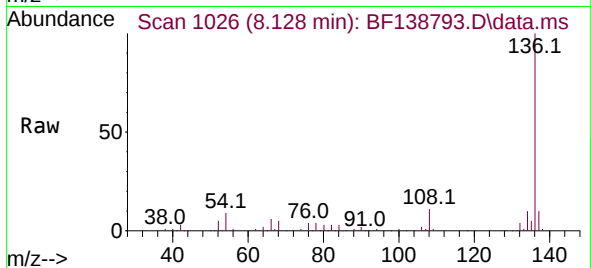
Tgt Ion: 70 Resp: 4578
Ion Ratio Lower Upper
70 100
42 57.5 57.4 86.0
101 0.0 7.5 11.3#
130 0.0 16.4 24.6#



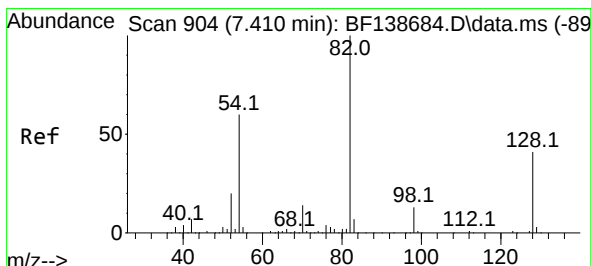
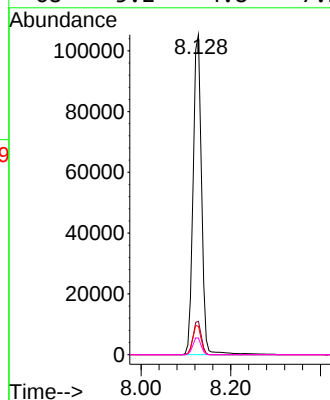
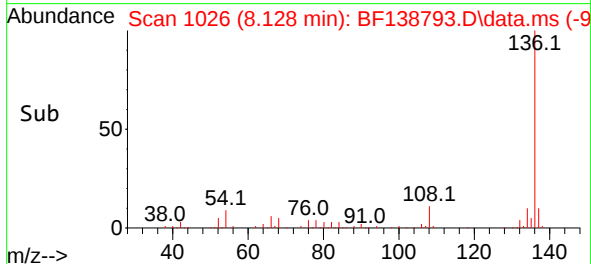


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17

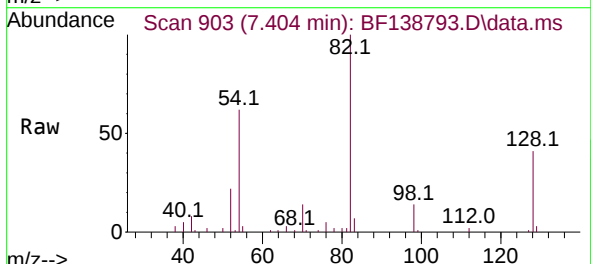
Instrument :
BNA_F
ClientSampleId :
TP1



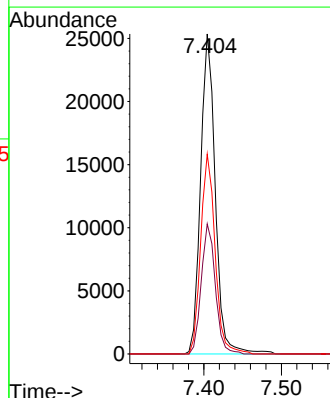
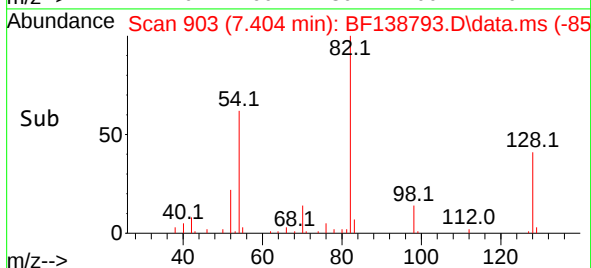
Tgt Ion:136 Resp: 137958
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 8.9 8.6 12.8
68 5.2 4.8 7.2

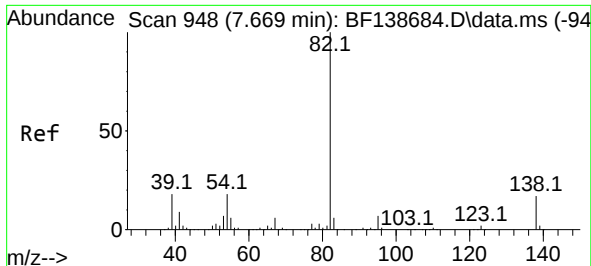


#23
Nitrobenzene-d5
Concen: 11.817 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17



Tgt Ion: 82 Resp: 33343
Ion Ratio Lower Upper
82 100
128 40.6 32.8 49.2
54 62.4 48.3 72.5

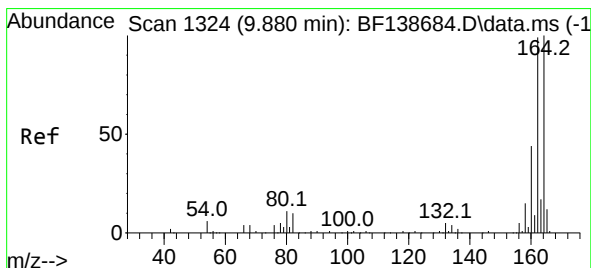
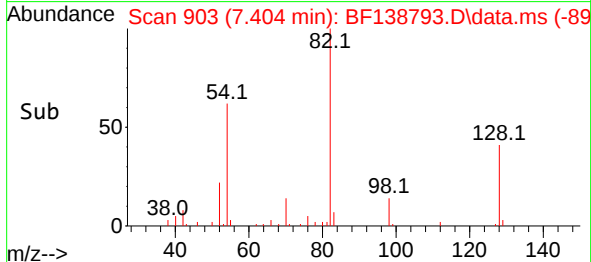
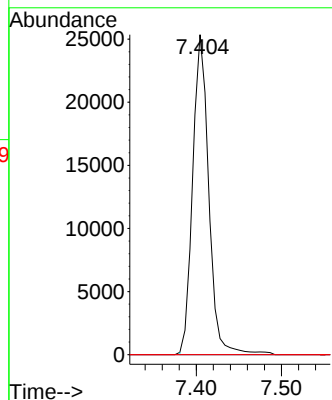
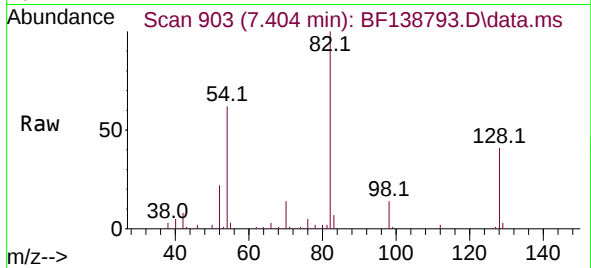




#25
Isophorone
Concen: 6.907 ng
RT: 7.404 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17

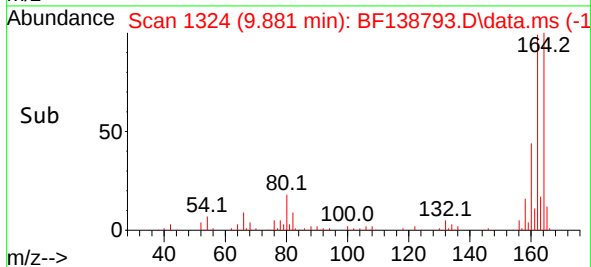
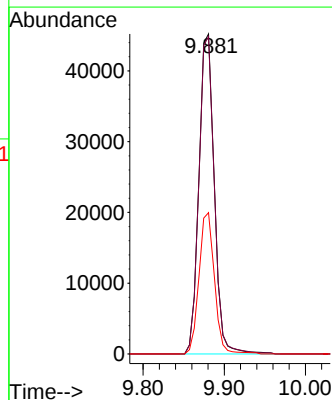
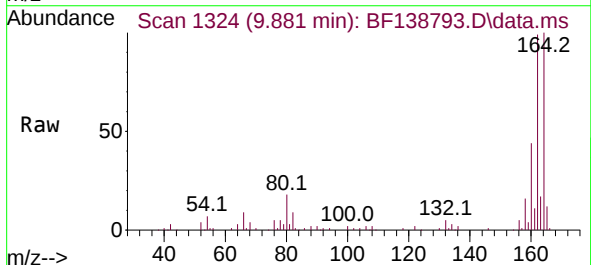
Instrument :
BNA_F
ClientSampleId :
TP1

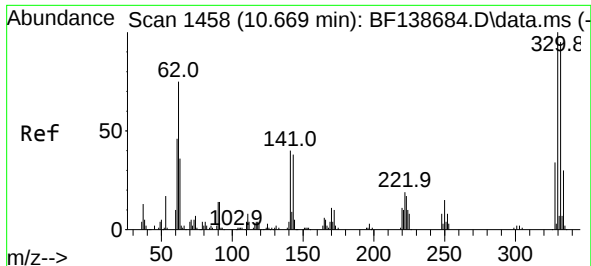
Tgt Ion: 82 Resp: 33279
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1324
Delta R.T. 0.001 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17

Tgt Ion:164 Resp: 59656
Ion Ratio Lower Upper
164 100
162 99.2 79.4 119.0
160 44.2 35.1 52.7





#42

2,4,6-Tribromophenol

Concen: 14.118 ng

RT: 10.669 min Scan# 1458

Delta R.T. 0.000 min

Lab File: BF138793.D

Acq: 05 Aug 2024 19:17

Instrument :

BNA_F

ClientSampleId :

TP1

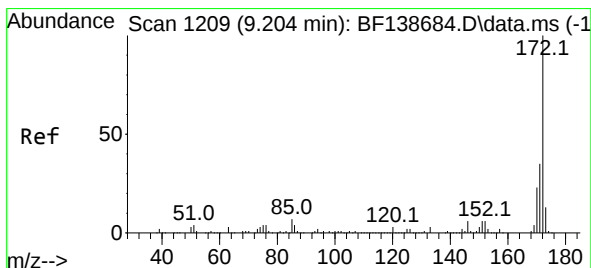
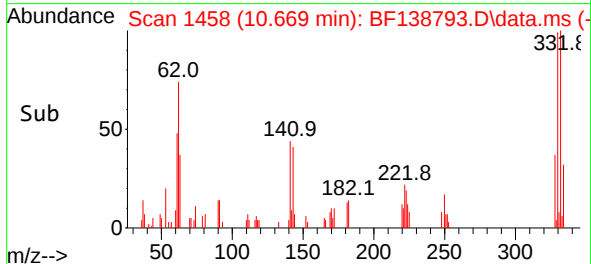
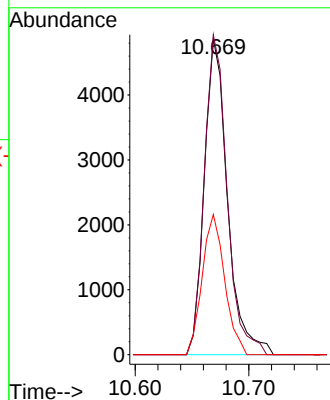
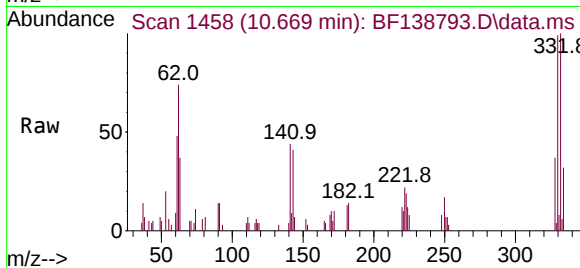
Tgt Ion:330 Resp: 6899

Ion Ratio Lower Upper

330 100

332 99.6 76.4 114.6

141 43.0 31.1 46.7



#45

2-Fluorobiphenyl

Concen: 13.213 ng

RT: 9.198 min Scan# 1208

Delta R.T. -0.006 min

Lab File: BF138793.D

Acq: 05 Aug 2024 19:17

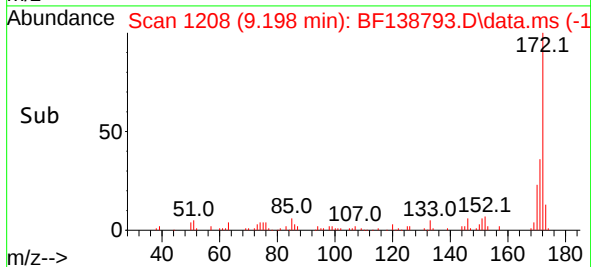
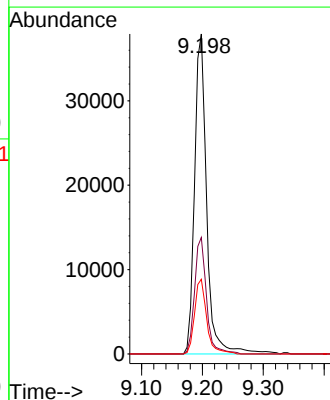
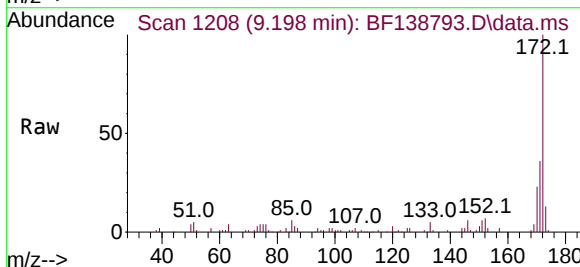
Tgt Ion:172 Resp: 52460

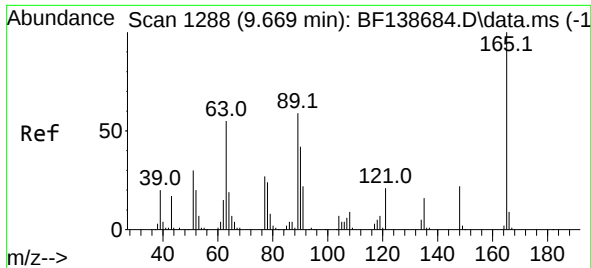
Ion Ratio Lower Upper

172 100

171 36.4 28.3 42.5

170 23.4 18.8 28.2

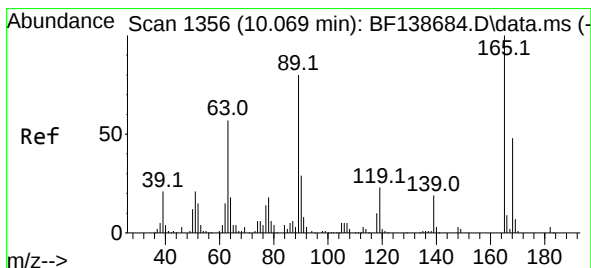
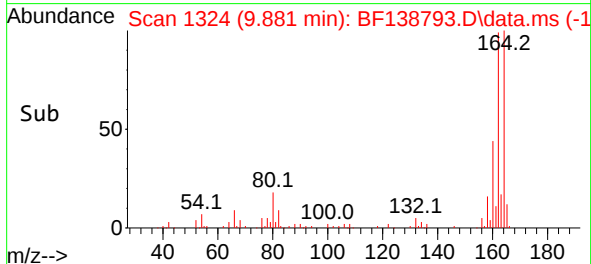
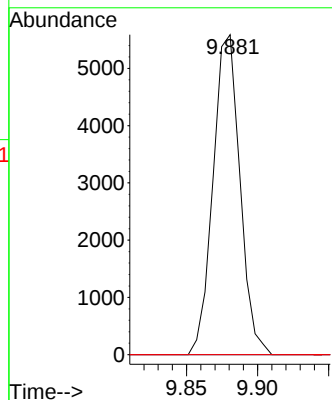
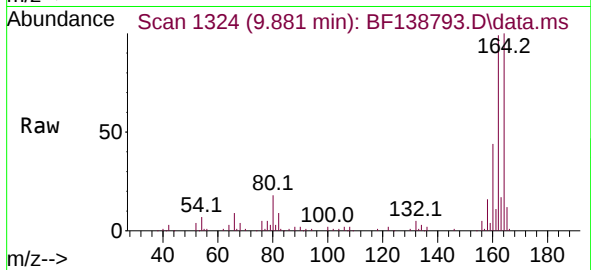




#51
2,6-Dinitrotoluene
Concen: 8.537 ng
RT: 9.881 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17

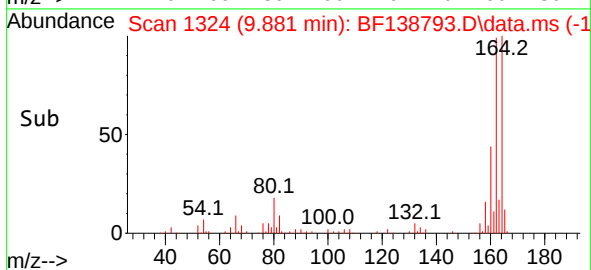
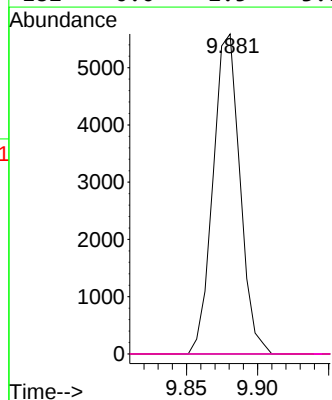
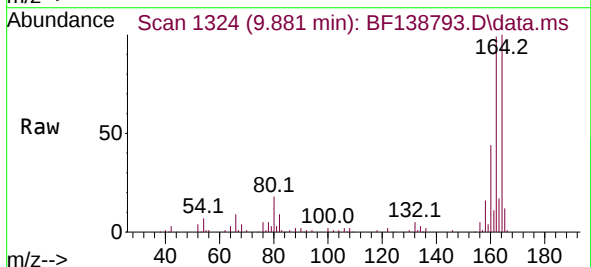
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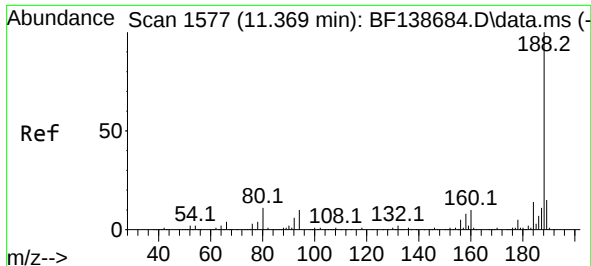
Tgt Ion:165 Resp: 7349
Ion Ratio Lower Upper
165 100
63 0.0 52.0 78.0#
89 0.0 47.0 70.6#



#57
2,4-Dinitrotoluene
Concen: 6.691 ng
RT: 9.881 min Scan# 1324
Delta R.T. -0.188 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17

Tgt Ion:165 Resp: 7349
Ion Ratio Lower Upper
165 100
63 0.0 46.3 69.5#
89 0.0 64.2 96.4#
182 0.0 2.5 3.7#

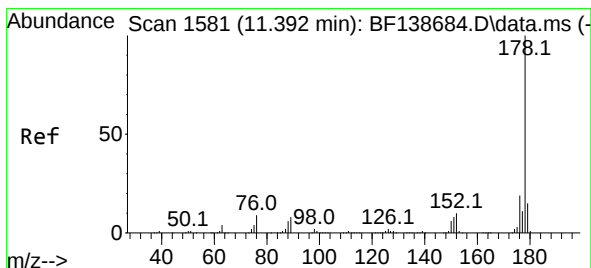
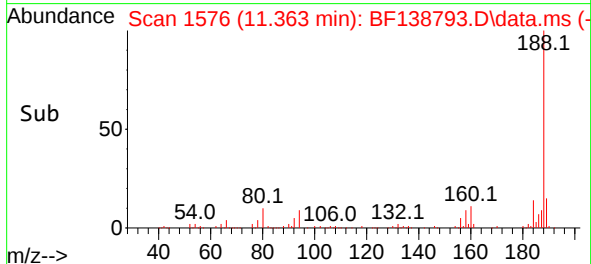
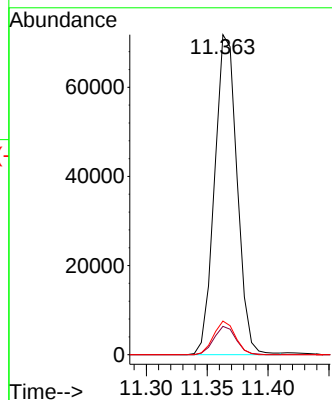
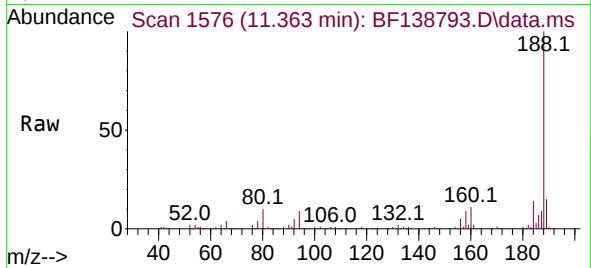




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17

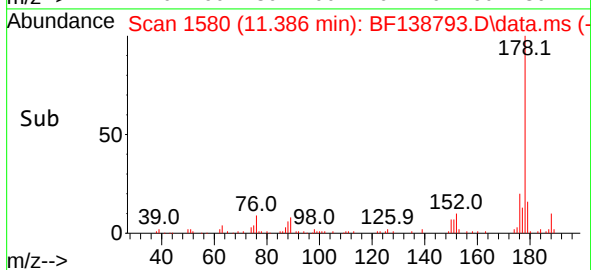
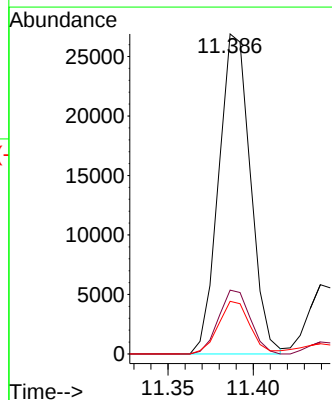
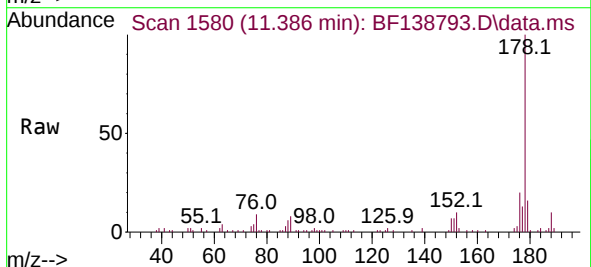
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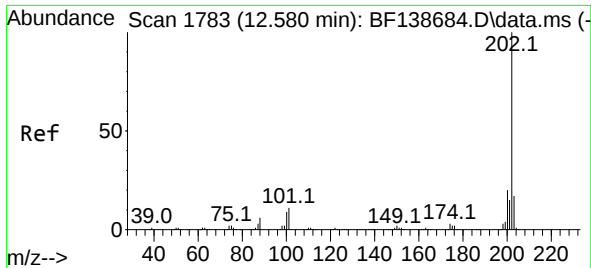
Tgt Ion:188 Resp: 92035
Ion Ratio Lower Upper
188 100
94 8.9 7.6 11.4
80 10.5 8.6 12.8



#71
Phenanthrene
Concen: 7.353 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17

Tgt Ion:178 Resp: 34848
Ion Ratio Lower Upper
178 100
176 20.0 15.4 23.0
179 16.5 12.2 18.2

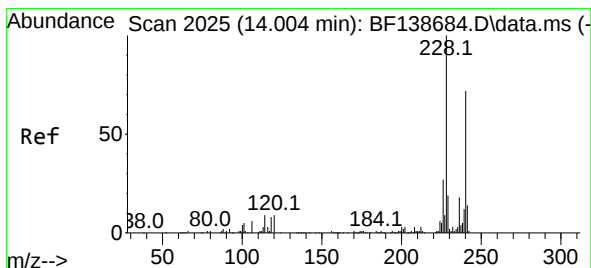
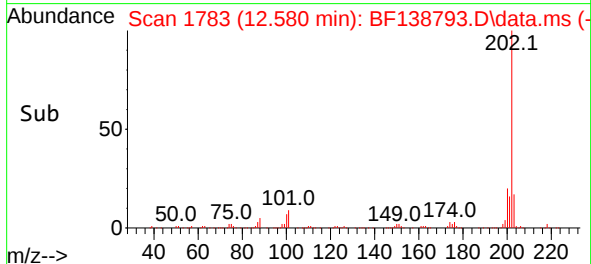
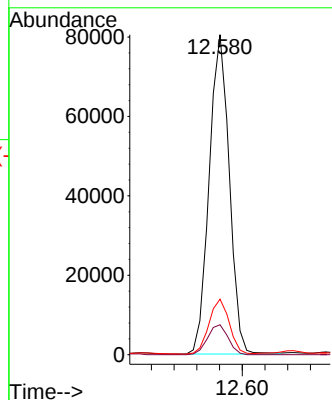
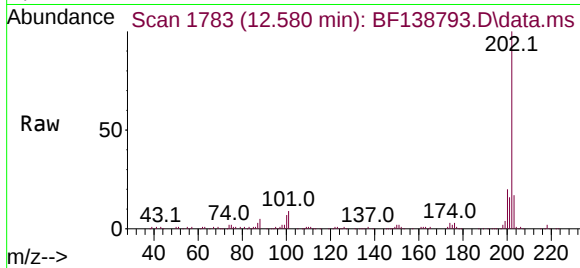




#75
Fluoranthene
Concen: 22.306 ng
RT: 12.580 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17

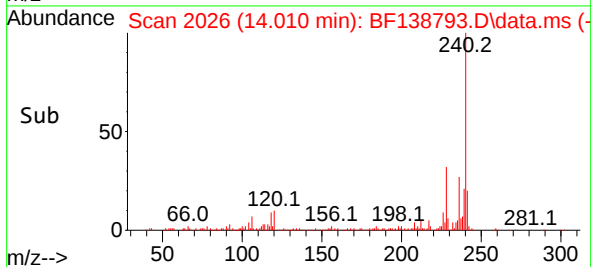
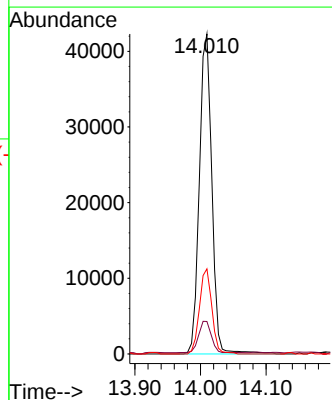
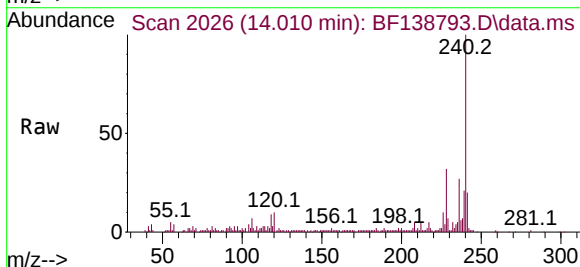
Instrument :
BNA_F
ClientSampleId :
TP1

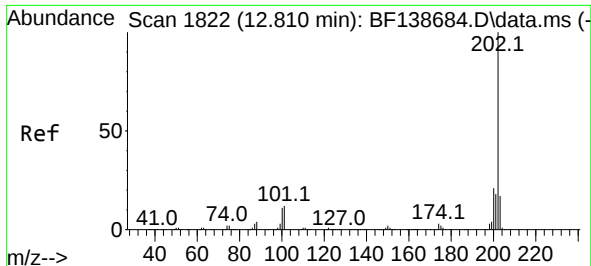
Tgt Ion:202 Resp: 98688
Ion Ratio Lower Upper
202 100
101 9.4 0.0 31.2
203 17.3 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.010 min Scan# 2026
Delta R.T. 0.006 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17

Tgt Ion:240 Resp: 56185
Ion Ratio Lower Upper
240 100
120 10.1 10.2 15.4#
236 26.6 19.8 29.8

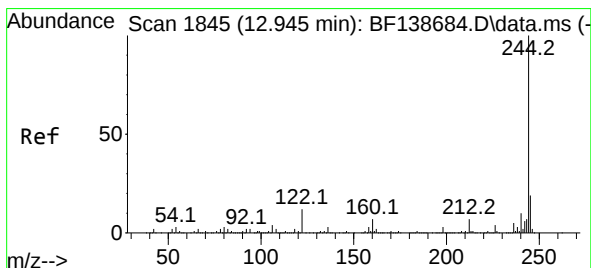
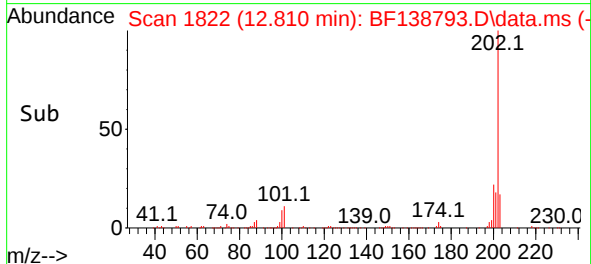
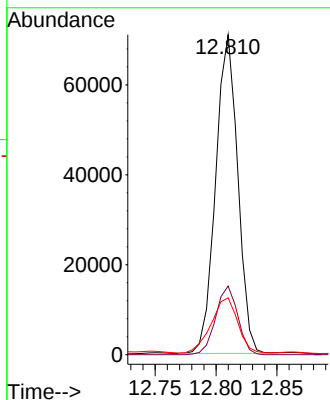
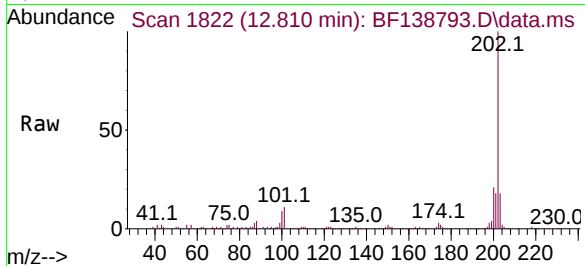




#78
Pyrene
Concen: 16.939 ng
RT: 12.810 min Scan# 1822
Delta R.T. 0.000 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17

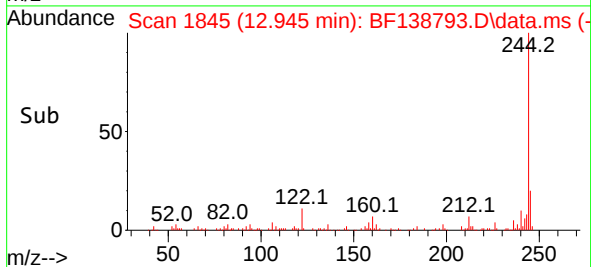
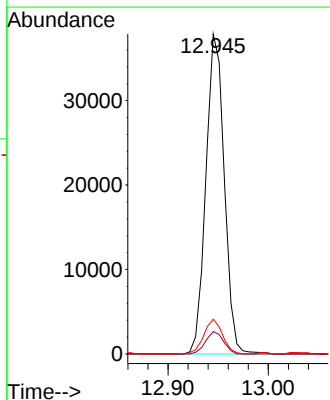
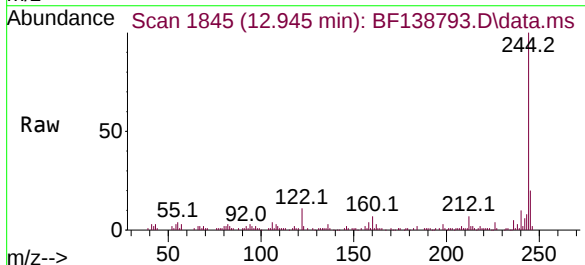
Instrument :
BNA_F
ClientSampleId :
TP1

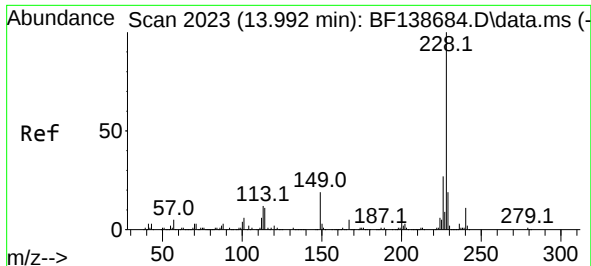
Tgt Ion:202 Resp: 89607
Ion Ratio Lower Upper
202 100
200 21.4 16.8 25.2
203 17.7 13.8 20.6



#79
Terphenyl-d14
Concen: 14.397 ng
RT: 12.945 min Scan# 1845
Delta R.T. 0.000 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17

Tgt Ion:244 Resp: 48315
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 10.9 9.6 14.4

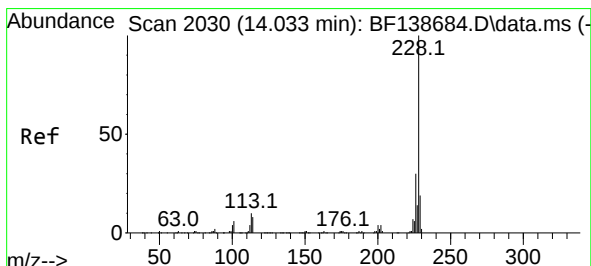
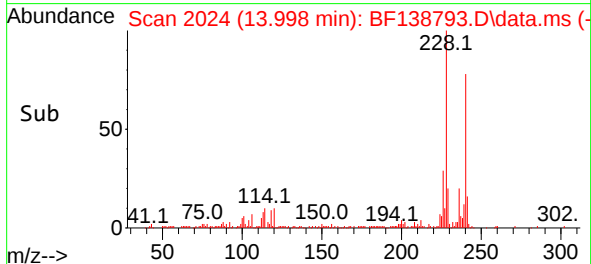
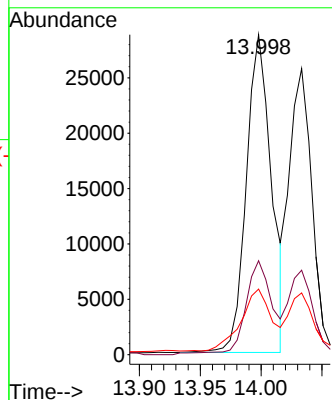
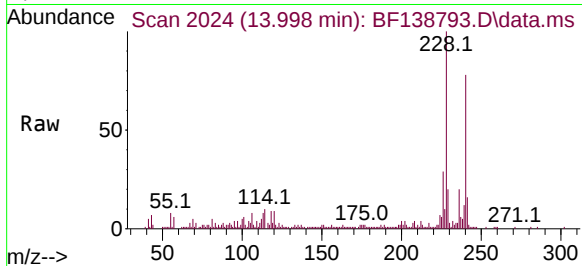




#81
Benzo(a)anthracene
Concen: 10.647 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17

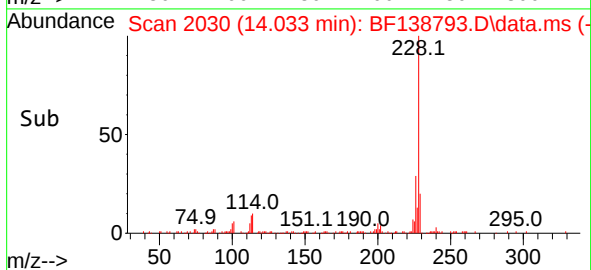
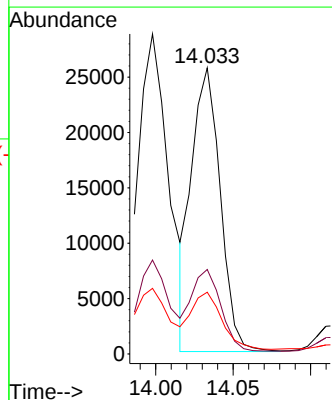
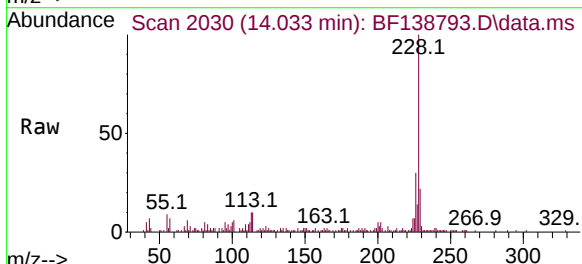
Instrument :
BNA_F
ClientSampleId :
TP1

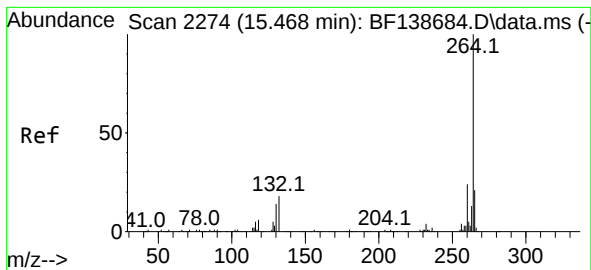
Tgt Ion:228 Resp: 41195
Ion Ratio Lower Upper
228 100
226 29.3 22.1 33.1
229 20.5 15.4 23.0



#83
Chrysene
Concen: 9.446 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138793.D
Acq: 05 Aug 2024 19:17

Tgt Ion:228 Resp: 32973
Ion Ratio Lower Upper
228 100
226 29.5 23.7 35.5
229 21.6 15.0 22.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138793.D

Acq: 05 Aug 2024 19:17

Instrument :

BNA_F

ClientSampleId :

TP1

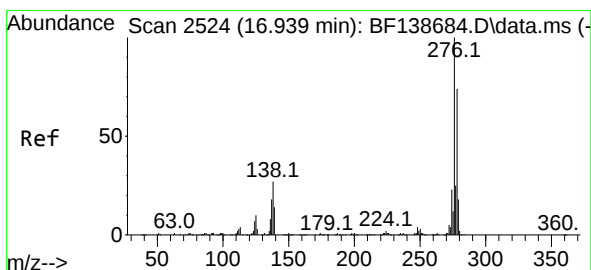
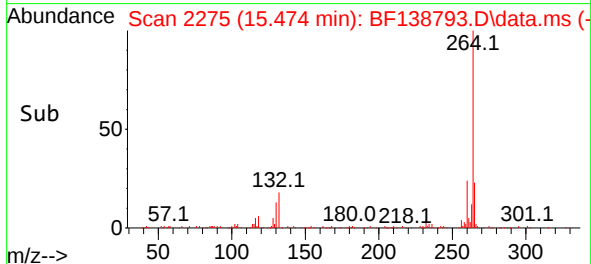
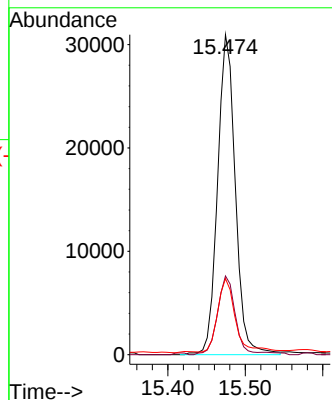
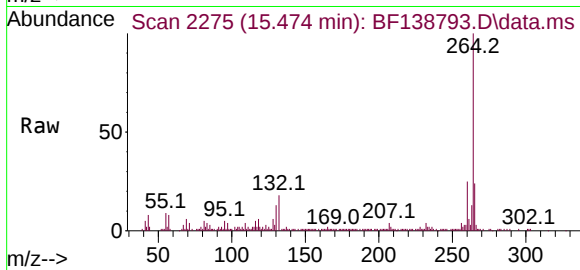
Tgt Ion:264 Resp: 49319

Ion Ratio Lower Upper

264 100

260 24.6 19.0 28.6

265 23.8 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.898 ng

RT: 16.951 min Scan# 2526

Delta R.T. 0.012 min

Lab File: BF138793.D

Acq: 05 Aug 2024 19:17

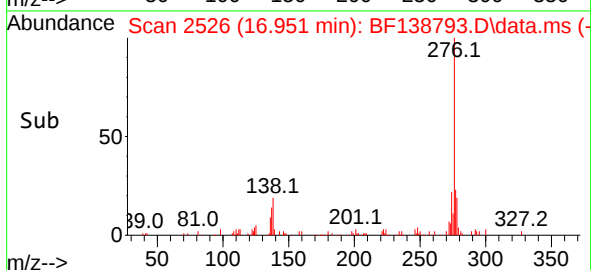
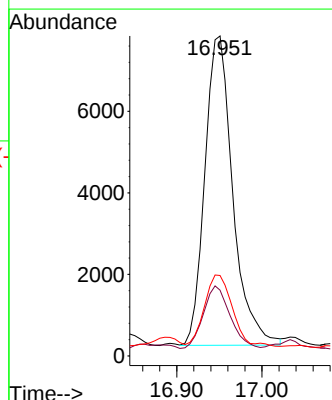
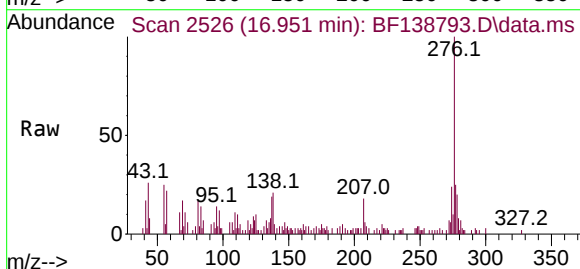
Tgt Ion:276 Resp: 17310

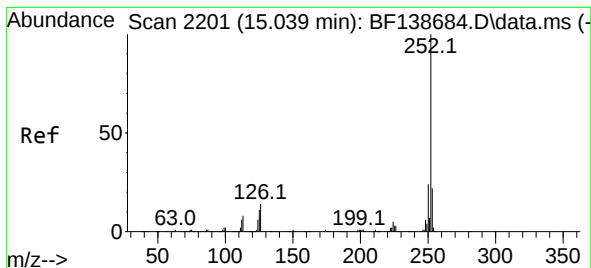
Ion Ratio Lower Upper

276 100

138 19.8 21.8 32.8#

277 23.3 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 17.269 ng

RT: 15.051 min Scan# 2203

Delta R.T. 0.012 min

Lab File: BF138793.D

Acq: 05 Aug 2024 19:17

Instrument :

BNA_F

ClientSampleId :

TP1

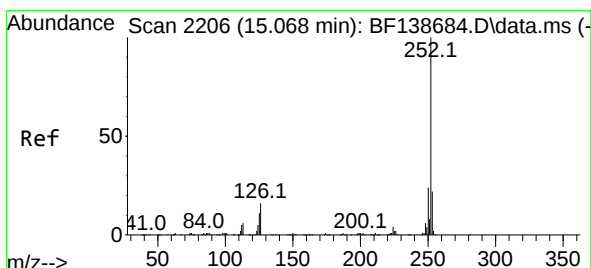
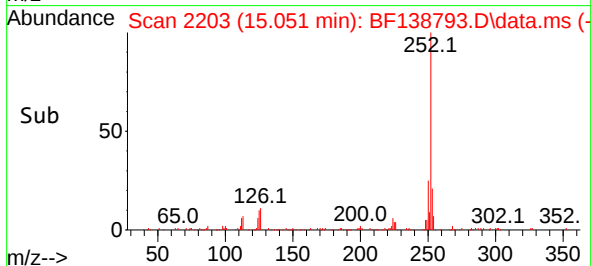
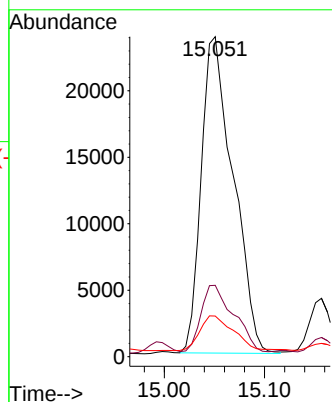
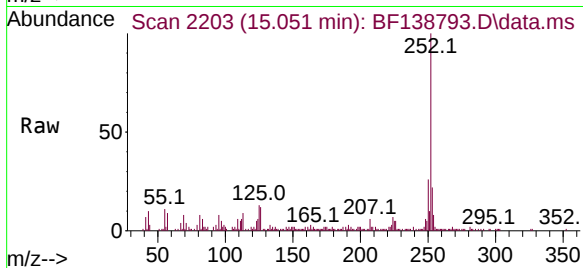
Tgt Ion:252 Resp: 52796

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

125 12.7 8.9 13.3



#89

Benzo(k)fluoranthene

Concen: 19.945 ng

RT: 15.051 min Scan# 2203

Delta R.T. -0.018 min

Lab File: BF138793.D

Acq: 05 Aug 2024 19:17

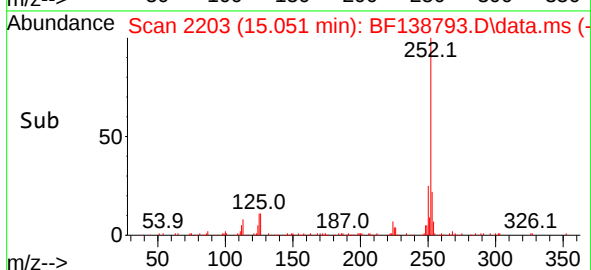
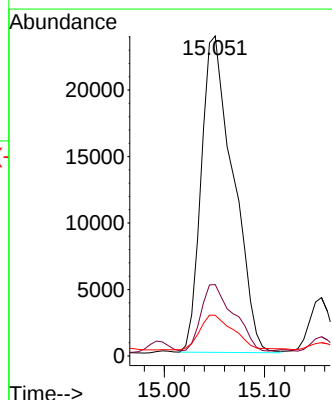
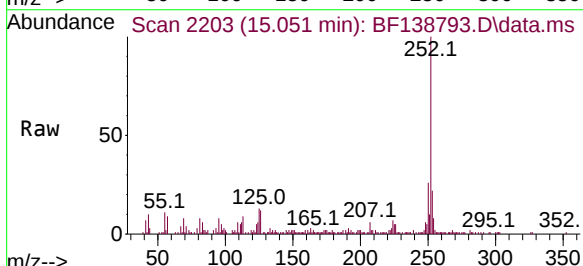
Tgt Ion:252 Resp: 52796

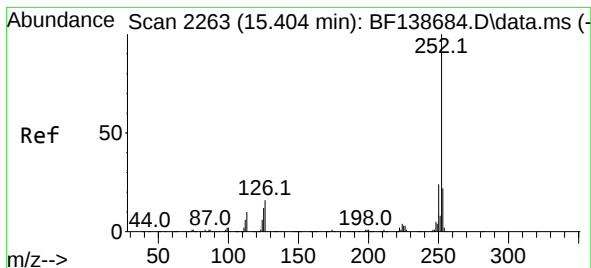
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 12.7 8.6 13.0





#90

Benzo(a)pyrene

Concen: 11.520 ng

RT: 15.410 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138793.D

Acq: 05 Aug 2024 19:17

Instrument :

BNA_F

ClientSampleId :

TP1

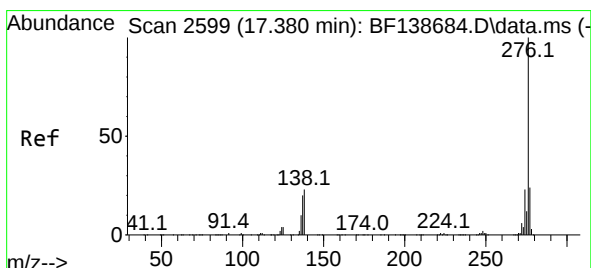
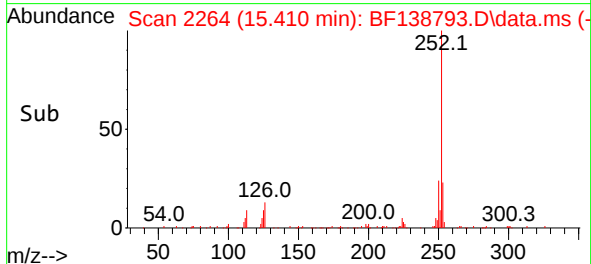
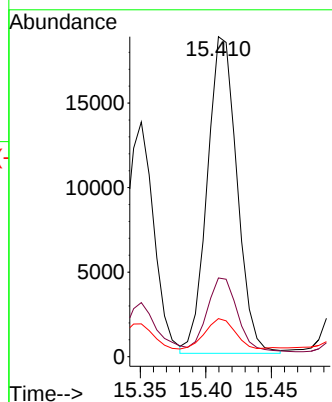
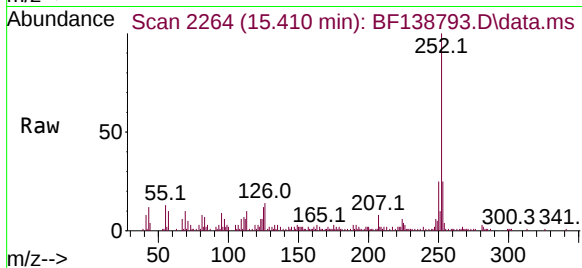
Tgt Ion:252 Resp: 29625

Ion Ratio Lower Upper

252 100

253 24.6 17.3 25.9

125 11.9 9.5 14.3



#92

Benzo(g,h,i)perylene

Concen: 5.752 ng

RT: 17.392 min Scan# 2601

Delta R.T. 0.012 min

Lab File: BF138793.D

Acq: 05 Aug 2024 19:17

Tgt Ion:276 Resp: 17317

Ion Ratio Lower Upper

276 100

277 24.8 19.0 28.4

138 21.4 18.5 27.7

