

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101023\
 Data File : BF135697.D
 Acq On : 10 Oct 2023 21:40
 Operator : CG\JU
 Sample : 04731-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DTP-3

Quant Time: Oct 11 03:05:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 02:43:17 2023
 Response via : Initial Calibration

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

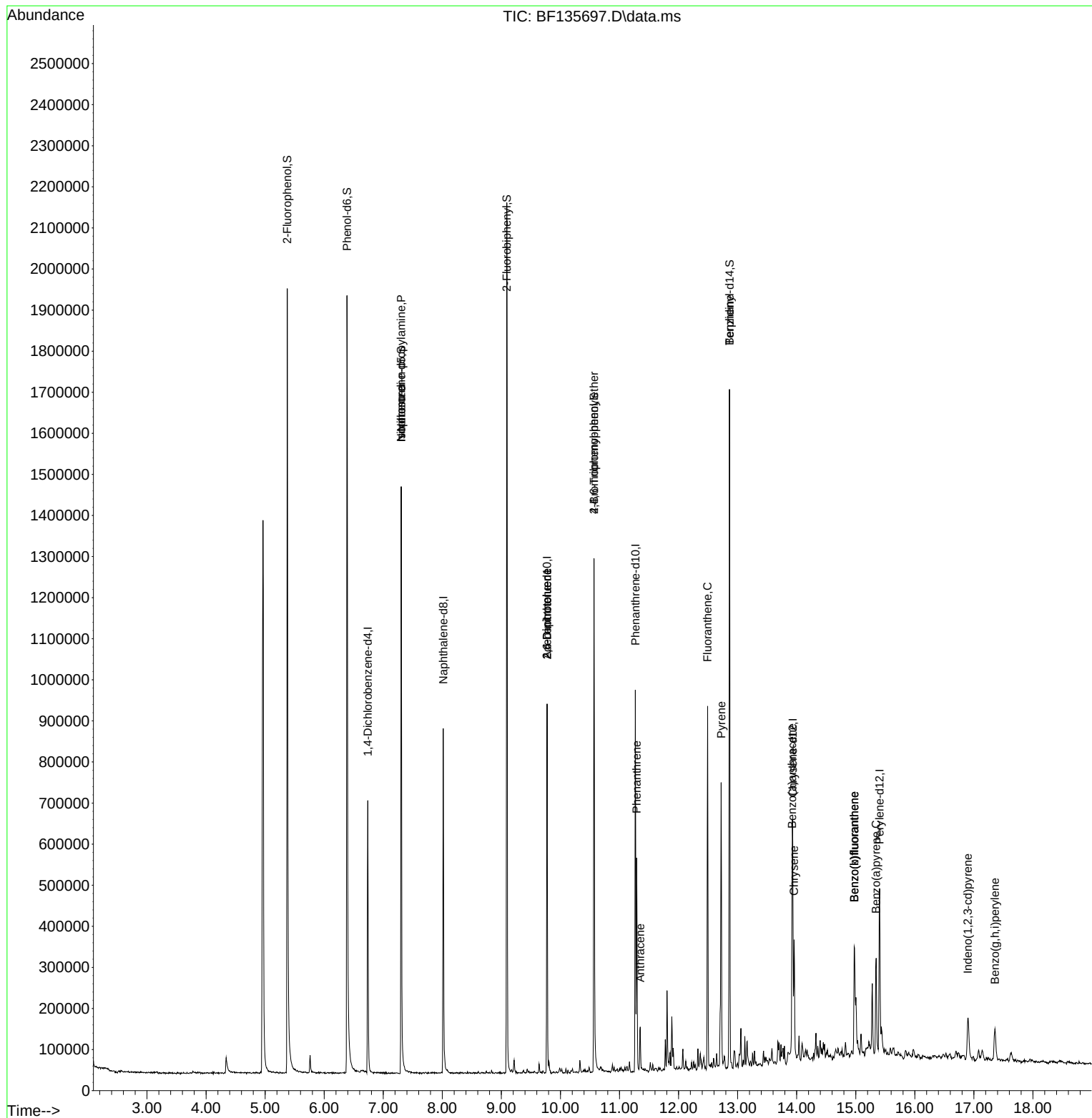
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	98510	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	364986	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	173727	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	317610	20.000	ng	0.00
76) Chrysene-d12	13.933	240	157311	20.000	ng	0.00
86) Perylene-d12	15.404	264	197542	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.375	112	553683	91.416	ng	0.00
7) Phenol-d6	6.387	99	678051	88.041	ng	0.00
23) Nitrobenzene-d5	7.304	82	422807	62.936	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	145822	84.465	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	663868	57.653	ng	0.00
79) Terphenyl-d14	12.863	244	541494	53.361	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	54403	11.404	ng	# 81
25) Isophorone	7.304	82	422807	34.274	ng	# 65
51) 2,6-Dinitrotoluene	9.775	165	22922	8.908	ng	# 17
57) 2,4-Dinitrotoluene	9.775	165	22922	7.116	ng	# 19
67) 4-Bromophenyl-phenylether	10.569	248	9397	2.975	ng	# 1
71) Phenanthrene	11.292	178	184304	12.269	ng	99
72) Anthracene	11.351	178	49912	3.233	ng	99
75) Fluoranthene	12.492	202	346486	22.136	ng	98
77) Benzidine	12.863	184	6931	2.151	ng	# 95
78) Pyrene	12.722	202	285769	19.080	ng	100
81) Benzo(a)anthracene	13.921	228	130539	12.851	ng	98
83) Chrysene	13.957	228	109622	10.854	ng	99
87) Indeno(1,2,3-cd)pyrene	16.898	276	74711	5.768	ng	96
88) Benzo(b)fluoranthene	14.974	252	207024	19.360	ng	99
89) Benzo(k)fluoranthene	14.974	252	207024	19.598	ng	99
90) Benzo(a)pyrene	15.345	252	116484	11.422	ng	100
92) Benzo(g,h,i)perylene	17.357	276	67758	6.122	ng	98

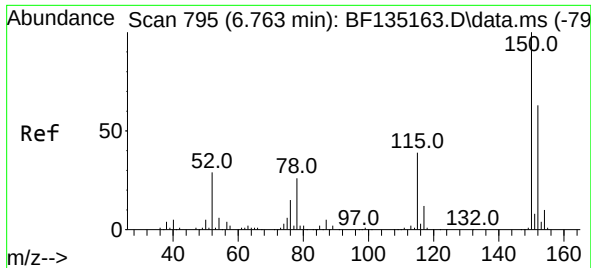
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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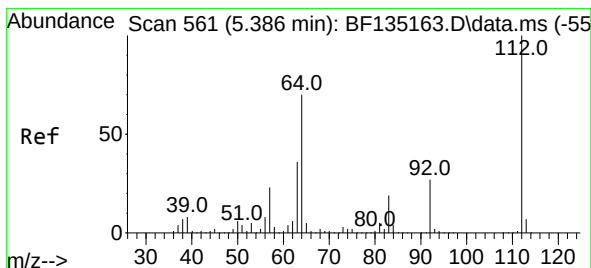
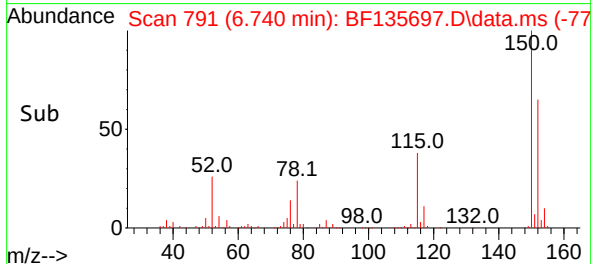
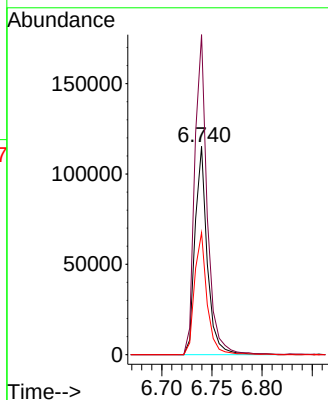
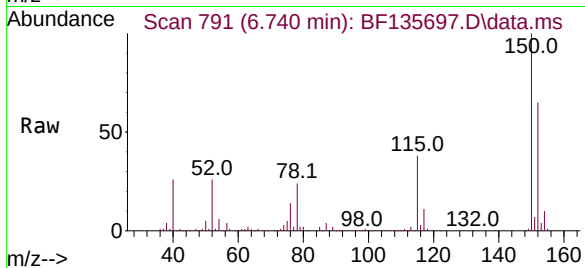




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135697.D
Acq: 10 Oct 2023 21:40

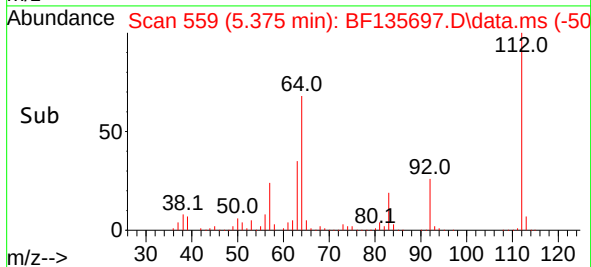
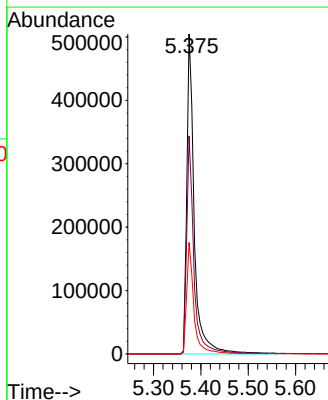
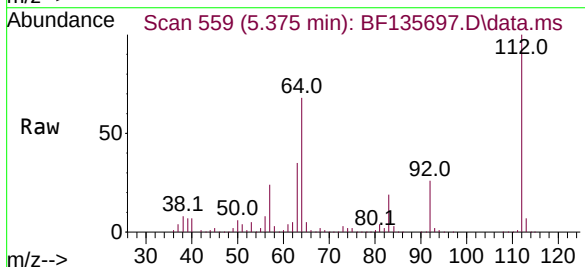
Instrument :
BNA_F
ClientSampleId :
DTP-3

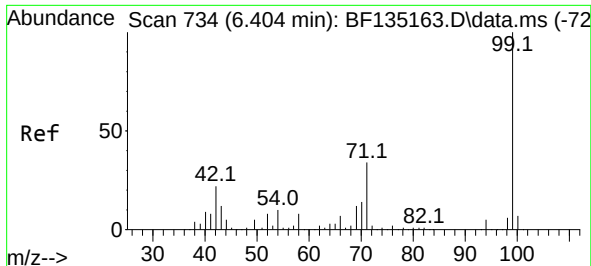
Tgt Ion:152 Resp: 98510
Ion Ratio Lower Upper
152 100
150 153.8 127.8 191.6
115 58.6 49.8 74.8



#5
2-Fluorophenol
Concen: 91.416 ng
RT: 5.375 min Scan# 559
Delta R.T. 0.006 min
Lab File: BF135697.D
Acq: 10 Oct 2023 21:40

Tgt Ion:112 Resp: 553683
Ion Ratio Lower Upper
112 100
64 68.1 55.9 83.9
63 34.9 29.0 43.6

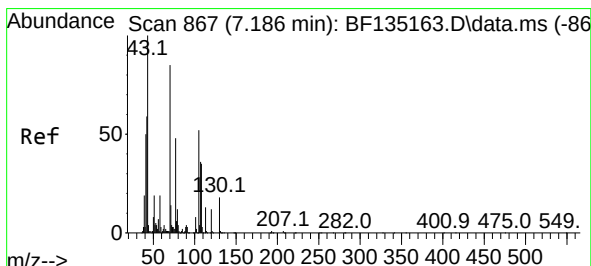
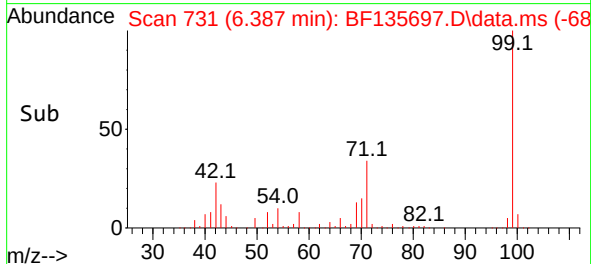
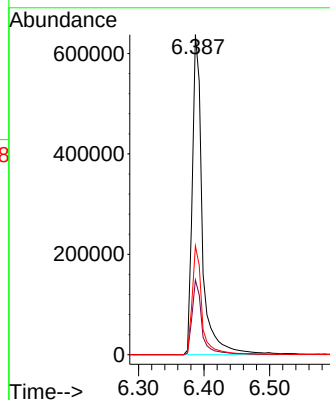
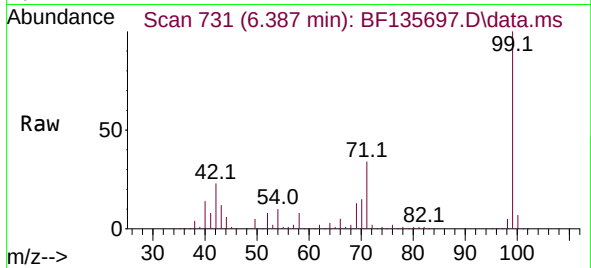




#7
Phenol-d6
Concen: 88.041 ng
RT: 6.387 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135697.D
Acq: 10 Oct 2023 21:40

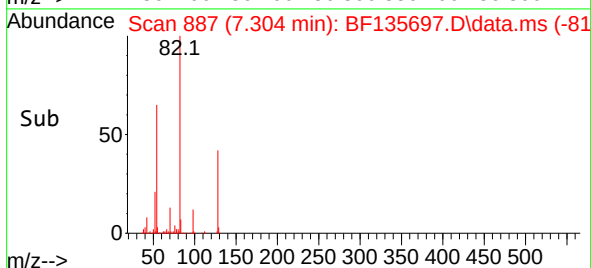
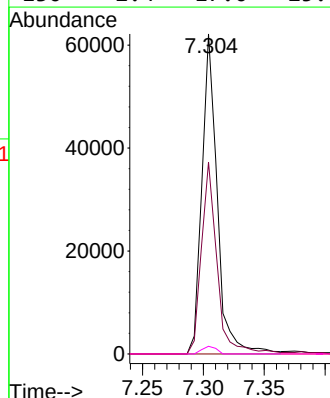
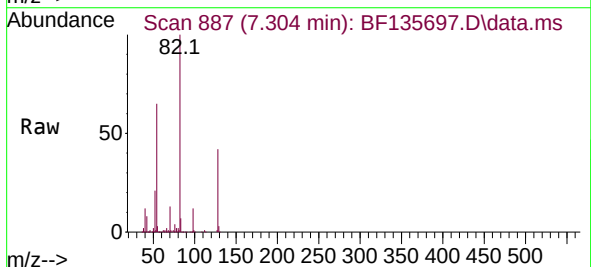
Instrument :
BNA_F
ClientSampleId :
DTP-3

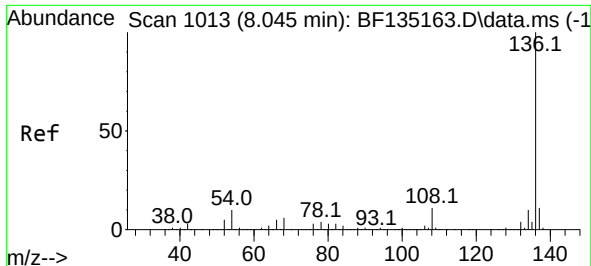
Tgt Ion: 99 Resp: 678051
Ion Ratio Lower Upper
99 100
42 23.4 17.9 26.9
71 34.0 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.404 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135697.D
Acq: 10 Oct 2023 21:40

Tgt Ion: 70 Resp: 54403
Ion Ratio Lower Upper
70 100
42 60.0 55.4 83.0
101 0.0 7.7 11.5#
130 2.4 17.0 25.6#

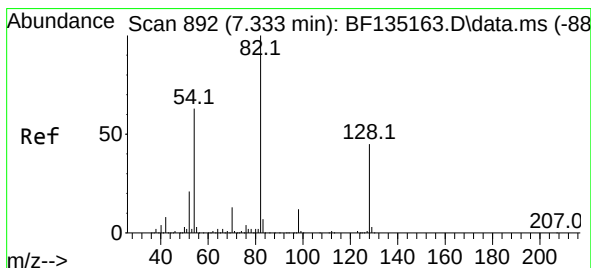
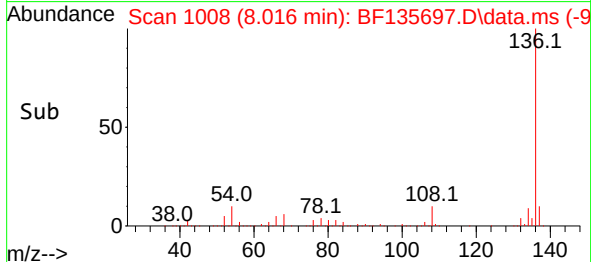
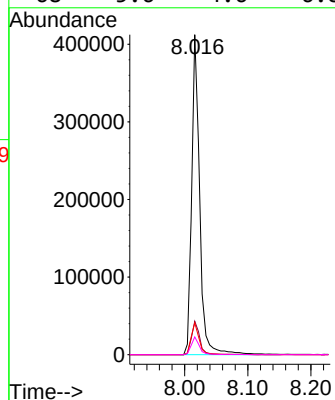
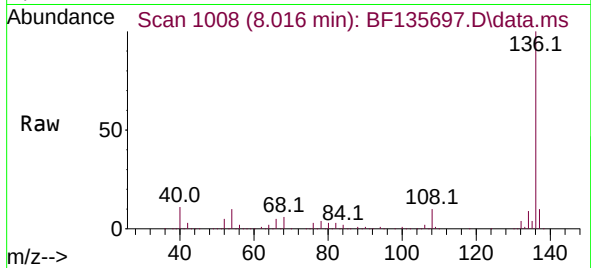




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135697.D
Acq: 10 Oct 2023 21:40

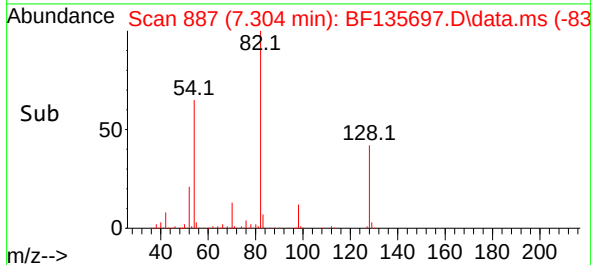
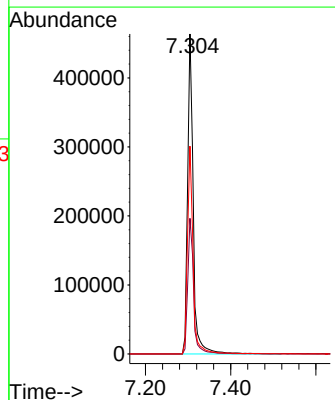
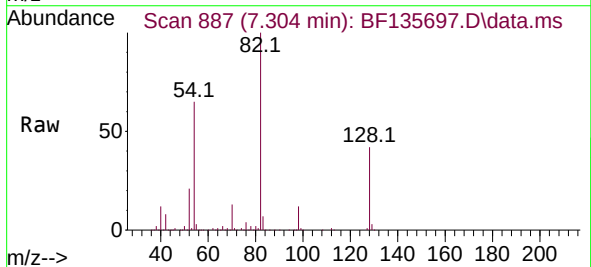
Instrument :
BNA_F
ClientSampleId :
DTP-3

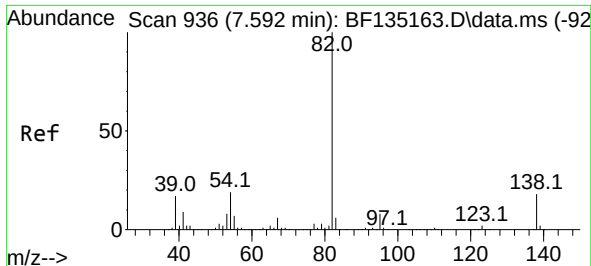
Tgt	Ion:136	Resp:	364986
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.8	13.2
54	10.0	7.7	11.5
68	5.6	4.6	6.8



#23
Nitrobenzene-d5
Concen: 62.936 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135697.D
Acq: 10 Oct 2023 21:40

Tgt Ion: 82	Resp: 422807
Ion Ratio	Lower Upper
82 100	
128 42.4	35.8 53.6
54 65.0	50.6 76.0

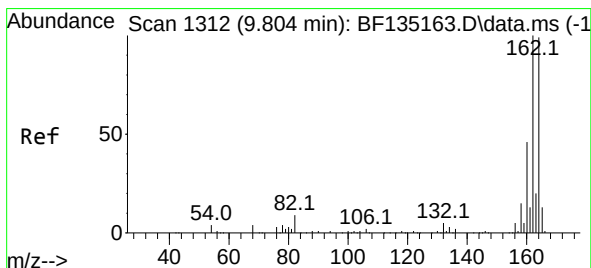
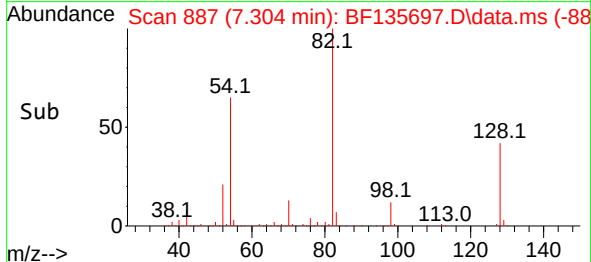
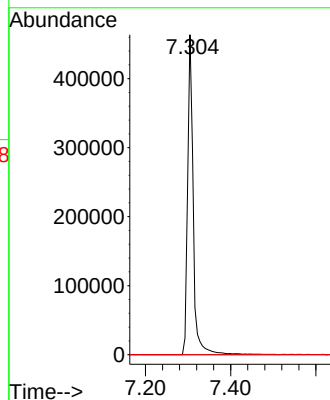
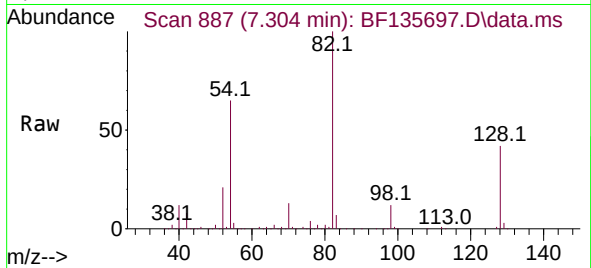




#25
Isophorone
Concen: 34.274 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135697.D
Acq: 10 Oct 2023 21:40

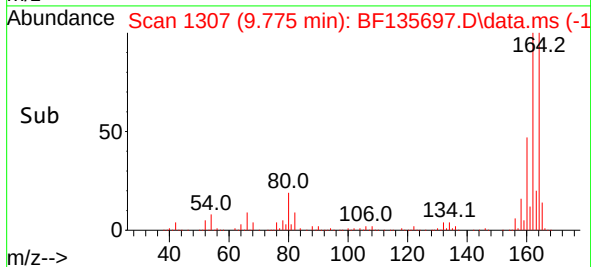
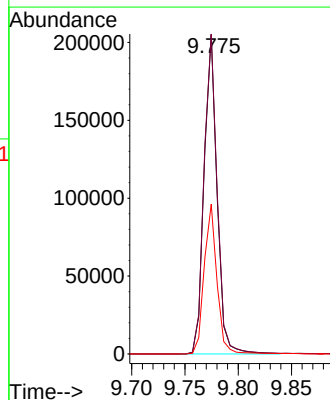
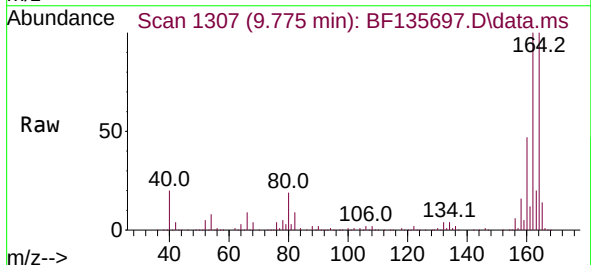
Instrument :
BNA_F
ClientSampleId :
DTP-3

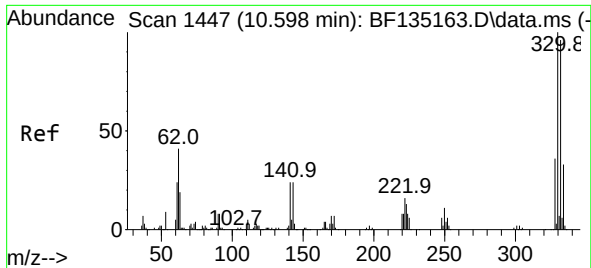
Tgt Ion: 82 Resp: 422807
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF135697.D
Acq: 10 Oct 2023 21:40

Tgt Ion:164 Resp: 173727
Ion Ratio Lower Upper
164 100
162 100.2 81.0 121.4
160 46.9 37.0 55.4

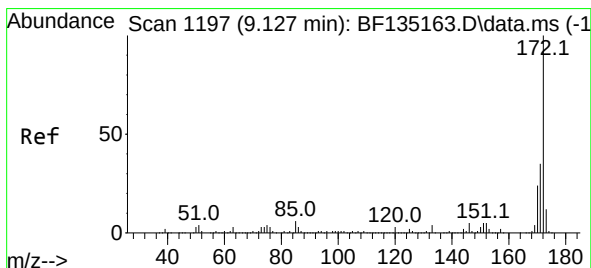
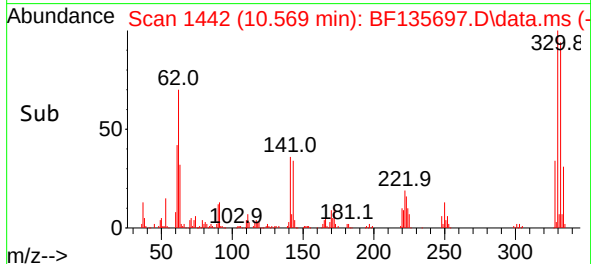
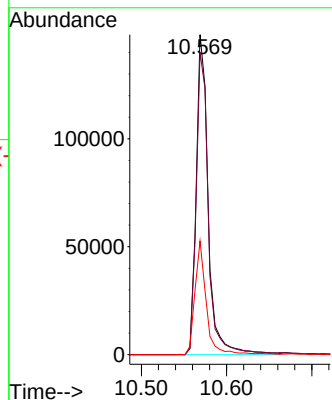
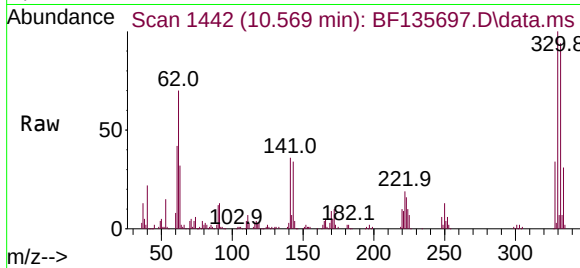




#42
2,4,6-Tribromophenol
Concen: 84.465 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF135697.D
Acq: 10 Oct 2023 21:40

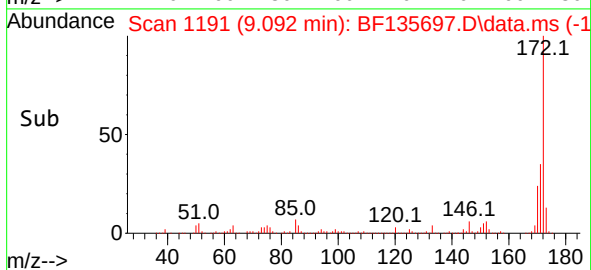
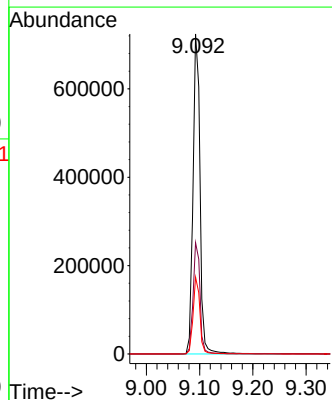
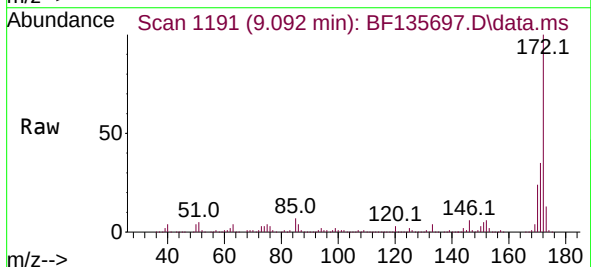
Instrument :
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DTP-3

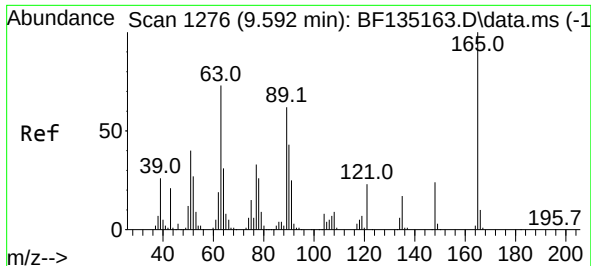
Tgt Ion:330 Resp: 145822
Ion Ratio Lower Upper
330 100
332 95.7 77.3 115.9
141 33.7 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 57.653 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF135697.D
Acq: 10 Oct 2023 21:40

Tgt Ion:172 Resp: 663868
Ion Ratio Lower Upper
172 100
171 34.8 28.4 42.6
170 24.0 19.0 28.4

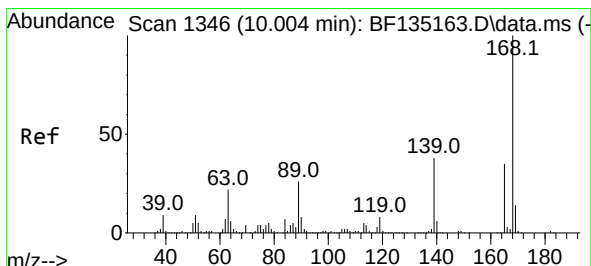
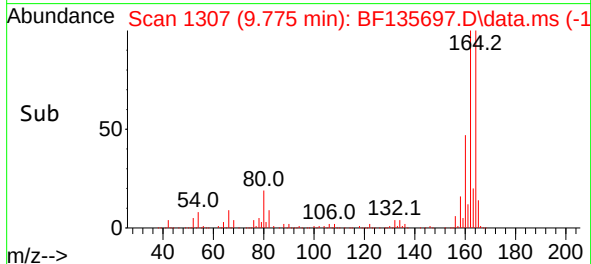
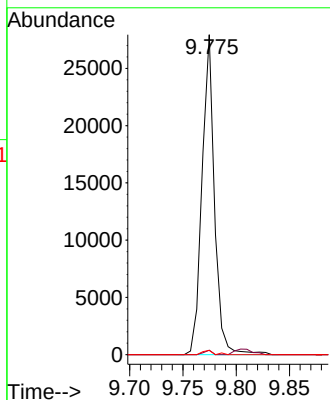
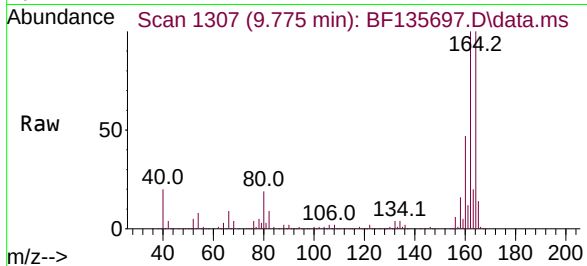




#51
2,6-Dinitrotoluene
Concen: 8.908 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF135697.D
Acq: 10 Oct 2023 21:40

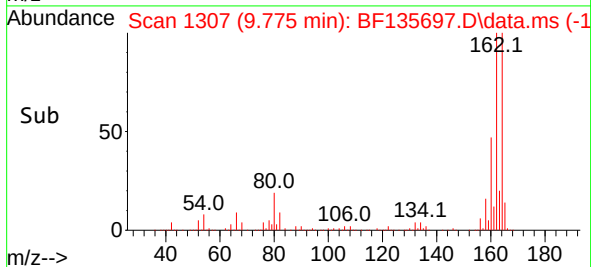
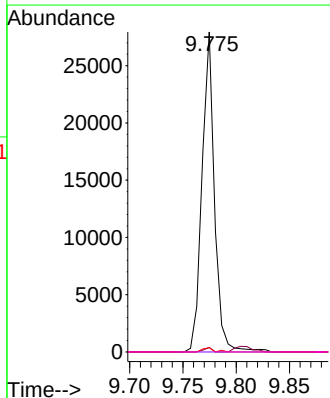
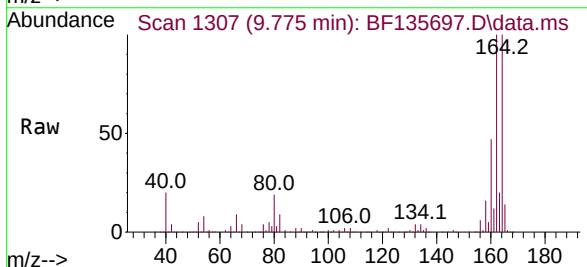
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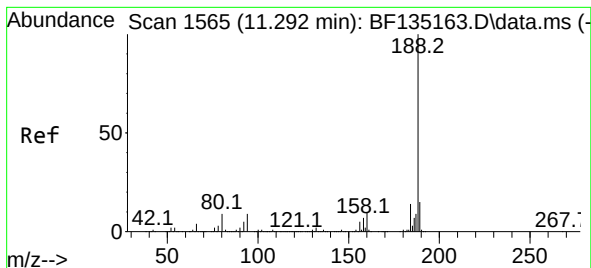
Tgt Ion:165 Resp: 22922
Ion Ratio Lower Upper
165 100
63 1.4 59.4 89.2#
89 1.3 49.8 74.8#



#57
2,4-Dinitrotoluene
Concen: 7.116 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.218 min
Lab File: BF135697.D
Acq: 10 Oct 2023 21:40

Tgt Ion:165 Resp: 22922
Ion Ratio Lower Upper
165 100
63 1.4 50.1 75.1#
89 1.3 59.3 88.9#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135697.D

Acq: 10 Oct 2023 21:40

Instrument :

BNA_F

ClientSampleId :

DTP-3

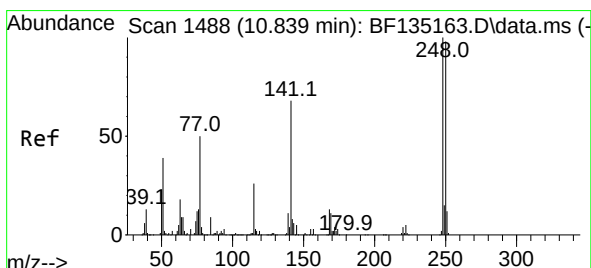
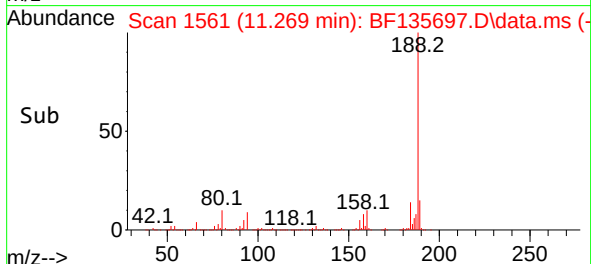
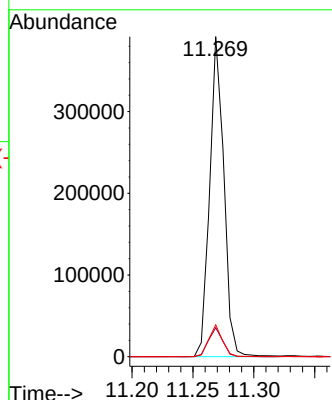
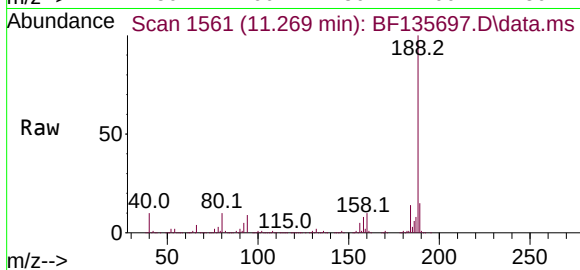
Tgt Ion:188 Resp: 317610

Ion Ratio Lower Upper

188 100

94 9.0 7.0 10.6

80 9.9 7.5 11.3



#67

4-Bromophenyl-phenylether

Concen: 2.975 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.247 min

Lab File: BF135697.D

Acq: 10 Oct 2023 21:40

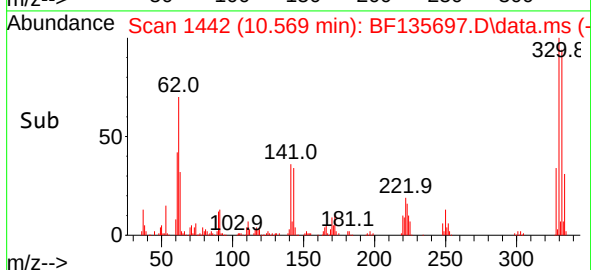
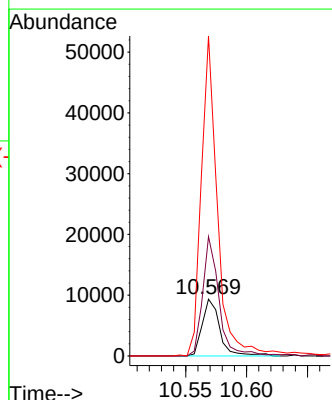
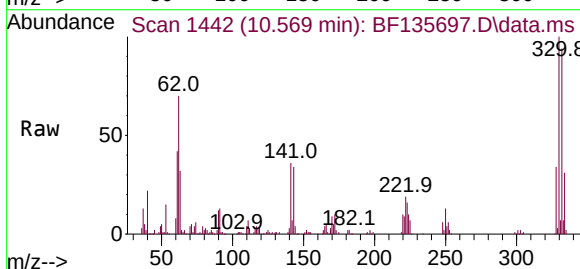
Tgt Ion:248 Resp: 9397

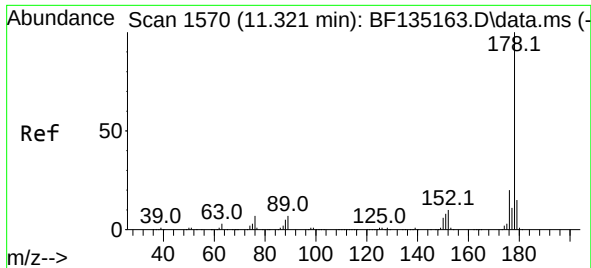
Ion Ratio Lower Upper

248 100

250 210.0 78.6 117.8#

141 563.3 54.2 81.2#

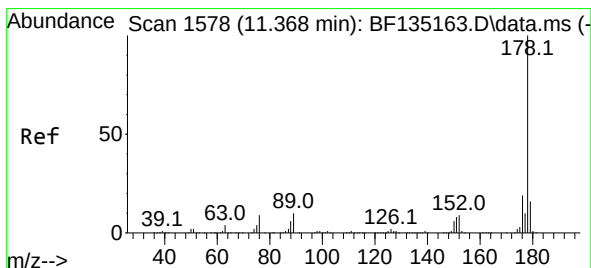
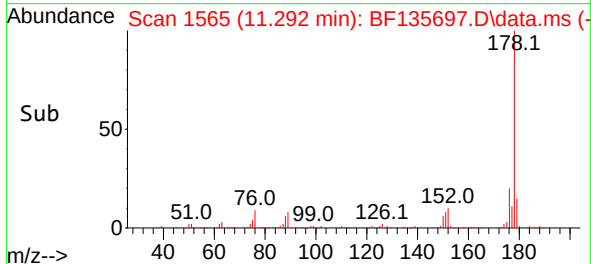
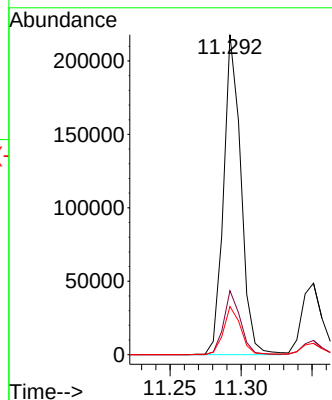
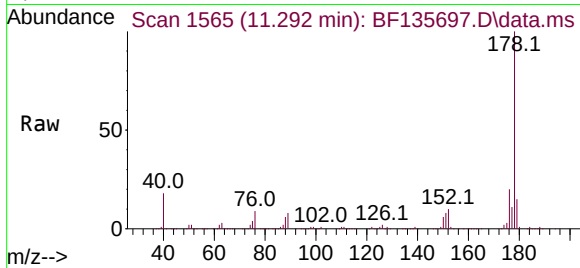




#71
Phenanthrene
Concen: 12.269 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF135697.D
Acq: 10 Oct 2023 21:40

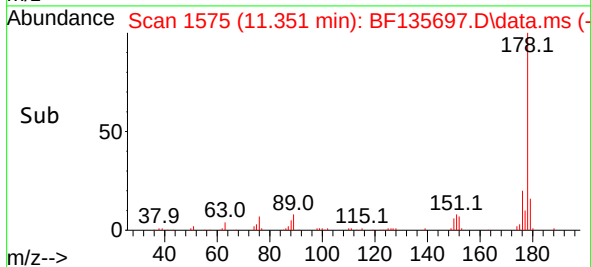
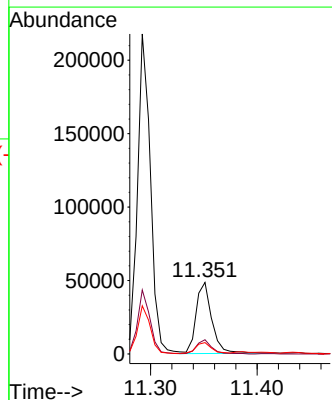
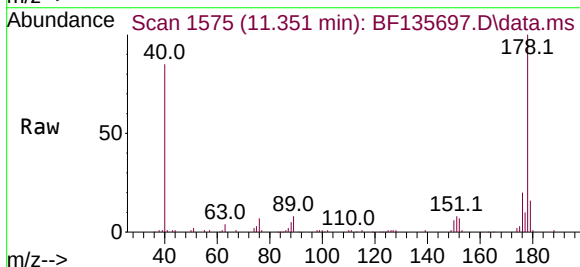
Instrument :
BNA_F
ClientSampleId :
DTP-3

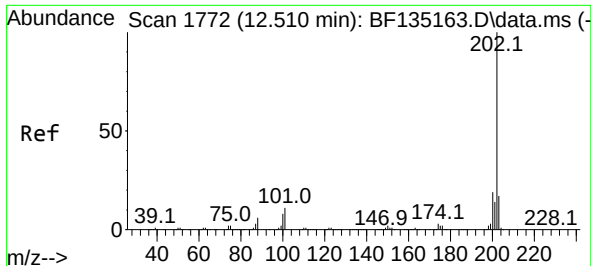
Tgt Ion:178 Resp: 184304
Ion Ratio Lower Upper
178 100
176 20.0 15.6 23.4
179 15.1 12.0 18.0



#72
Anthracene
Concen: 3.233 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF135697.D
Acq: 10 Oct 2023 21:40

Tgt Ion:178 Resp: 49912
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.2
179 15.8 12.6 19.0

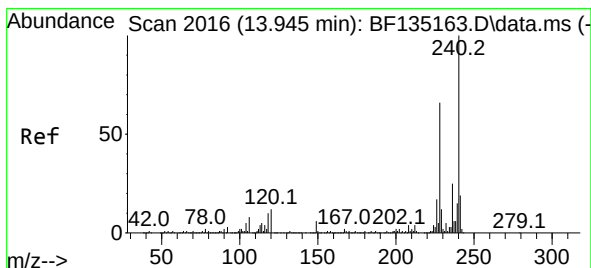
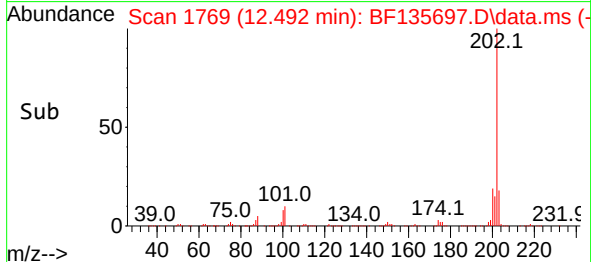
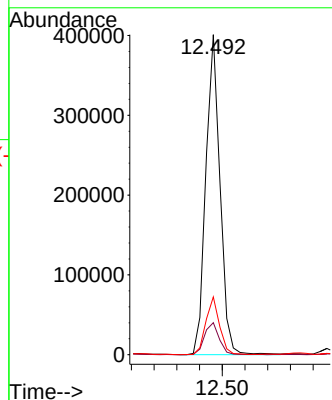
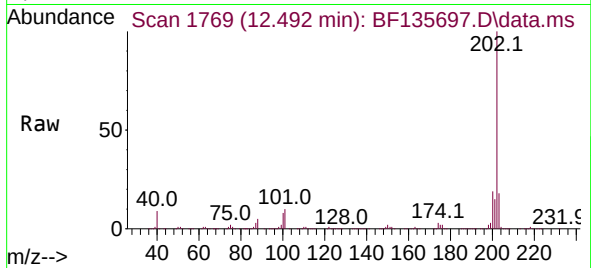




#75
Fluoranthene
Concen: 22.136 ng
RT: 12.492 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135697.D
Acq: 10 Oct 2023 21:40

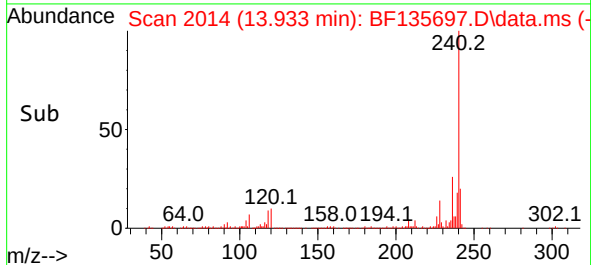
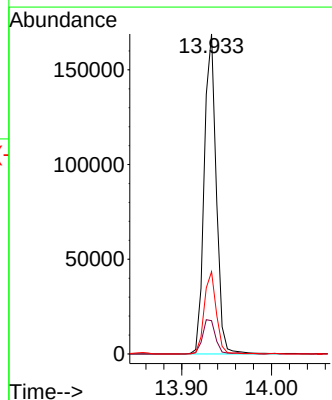
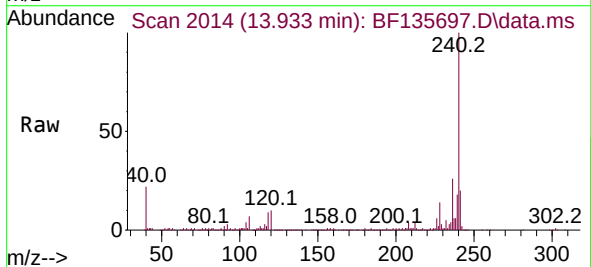
Instrument :
BNA_F
ClientSampleId :
DTP-3

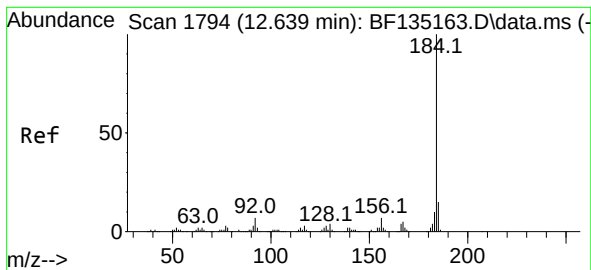
Tgt Ion:202 Resp: 346486
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.3
203 18.1 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF135697.D
Acq: 10 Oct 2023 21:40

Tgt Ion:240 Resp: 157311
Ion Ratio Lower Upper
240 100
120 10.4 9.4 14.2
236 25.7 19.8 29.8





#77

Benzidine

Concen: 2.151 ng

RT: 12.863 min Scan# 11

Delta R.T. 0.235 min

Lab File: BF135697.D

Acq: 10 Oct 2023 21:40

Instrument :

BNA_F

ClientSampleId :

DTP-3

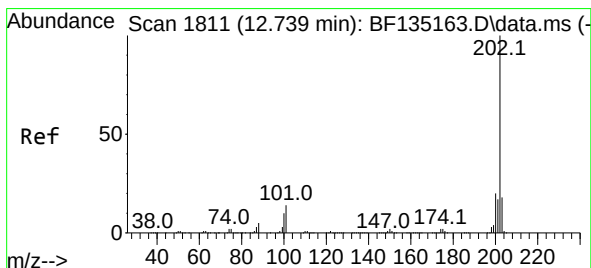
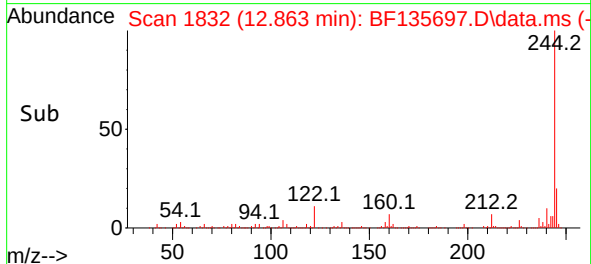
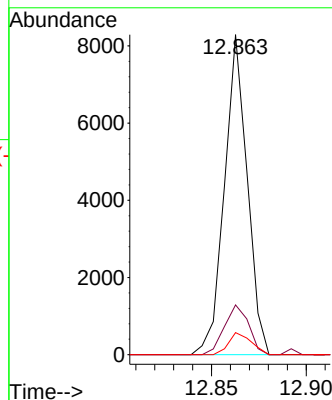
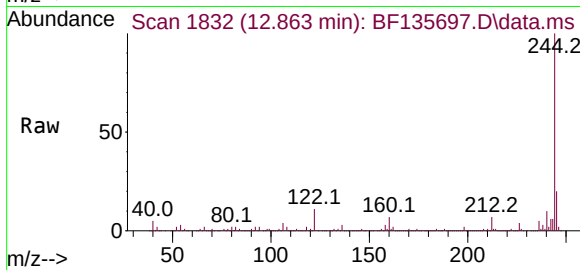
Tgt Ion:184 Resp: 6931

Ion Ratio Lower Upper

184 100

185 15.6 11.7 17.5

183 6.9 8.2 12.4#



#78

Pyrene

Concen: 19.080 ng

RT: 12.722 min Scan# 1808

Delta R.T. -0.006 min

Lab File: BF135697.D

Acq: 10 Oct 2023 21:40

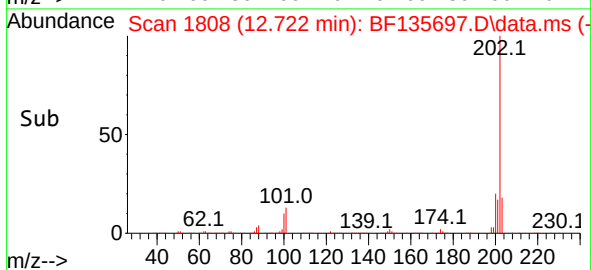
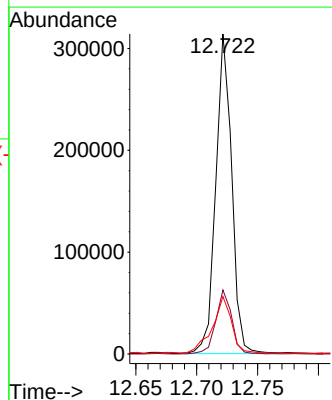
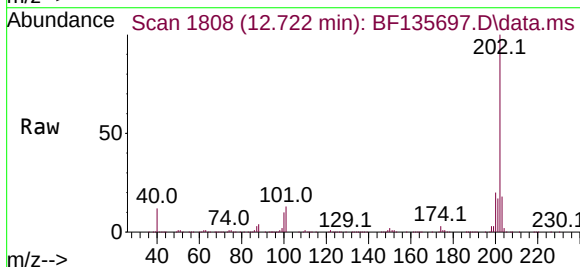
Tgt Ion:202 Resp: 285769

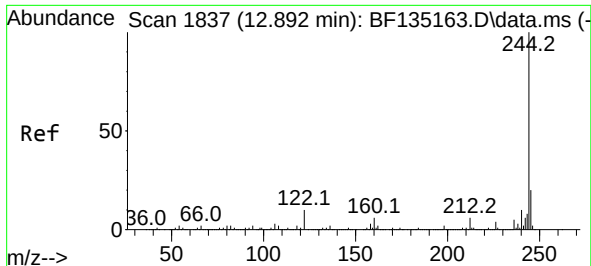
Ion Ratio Lower Upper

202 100

200 20.0 16.2 24.2

203 18.0 14.2 21.4

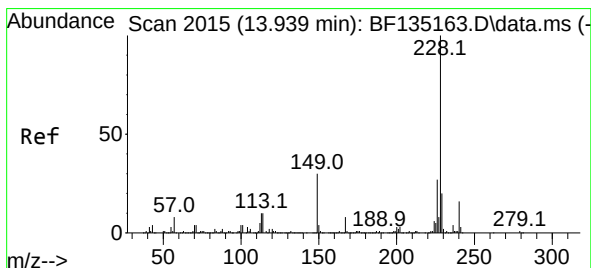
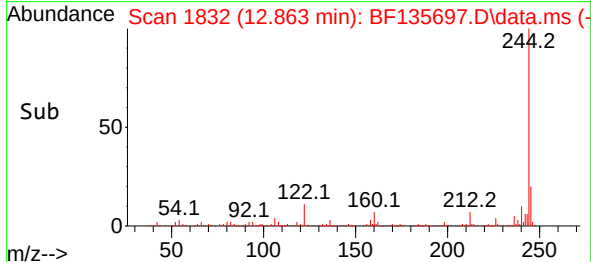
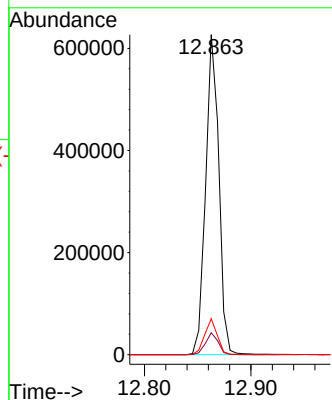
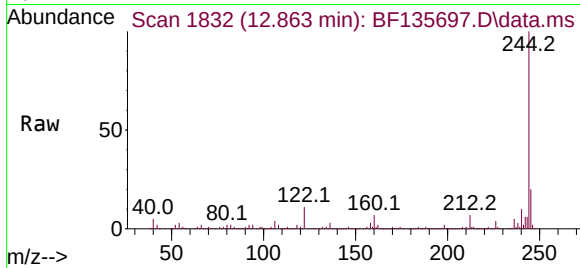




#79
 Terphenyl-d14
 Concen: 53.361 ng
 RT: 12.863 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135697.D
 Acq: 10 Oct 2023 21:40

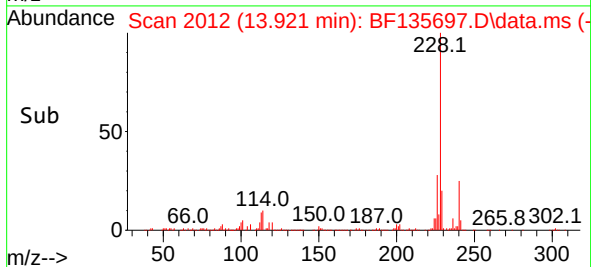
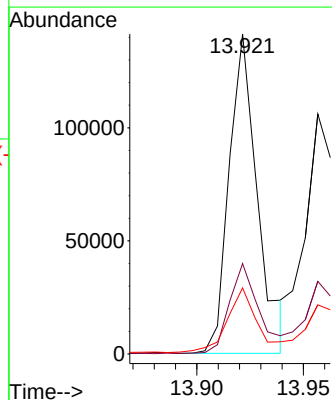
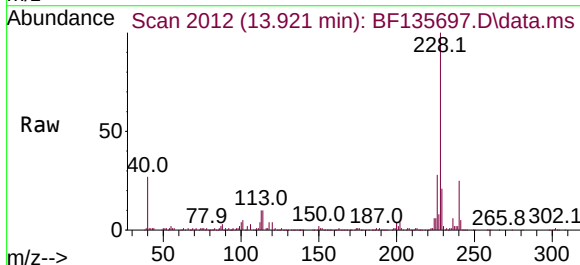
Instrument :
 BNA_F
 ClientSampleId :
 DTP-3

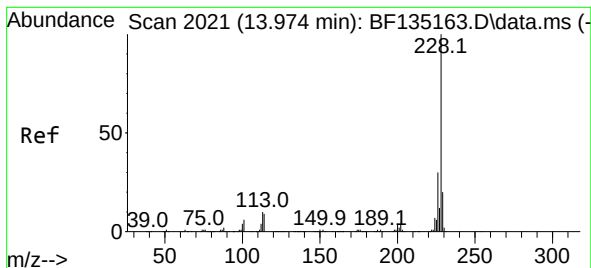
Tgt Ion:244 Resp: 541494
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.1 7.7
 122 11.3 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 12.851 ng
 RT: 13.921 min Scan# 2012
 Delta R.T. -0.006 min
 Lab File: BF135697.D
 Acq: 10 Oct 2023 21:40

Tgt Ion:228 Resp: 130539
 Ion Ratio Lower Upper
 228 100
 226 28.2 21.7 32.5
 229 20.6 15.8 23.8





#83

Chrysene

Concen: 10.854 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135697.D

Acq: 10 Oct 2023 21:40

Instrument :

BNA_F

ClientSampleId :

DTP-3

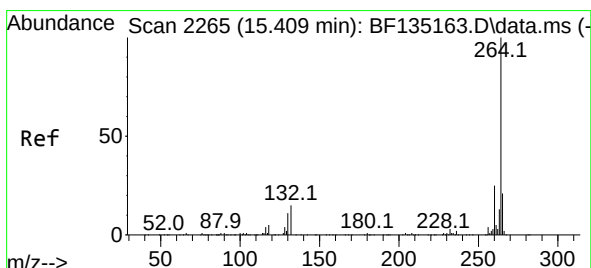
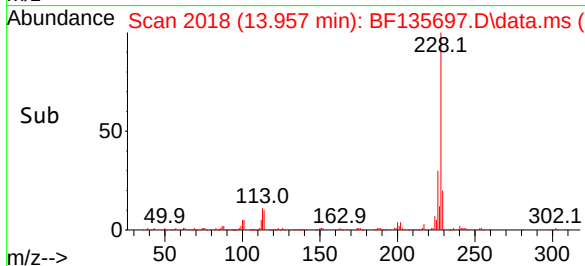
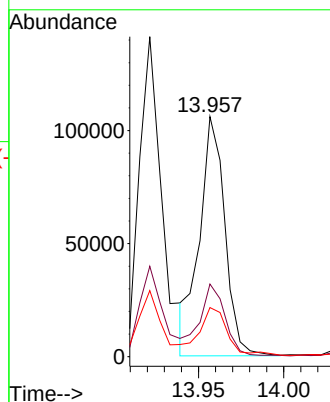
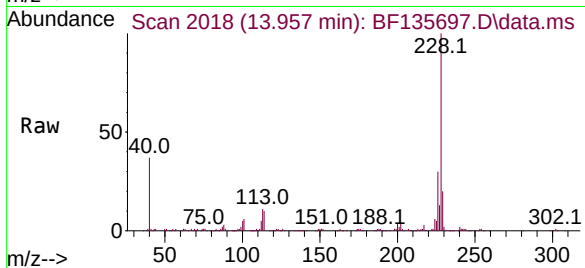
Tgt Ion:228 Resp: 109622

Ion Ratio Lower Upper

228 100

226 30.2 24.3 36.5

229 20.5 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2264

Delta R.T. 0.000 min

Lab File: BF135697.D

Acq: 10 Oct 2023 21:40

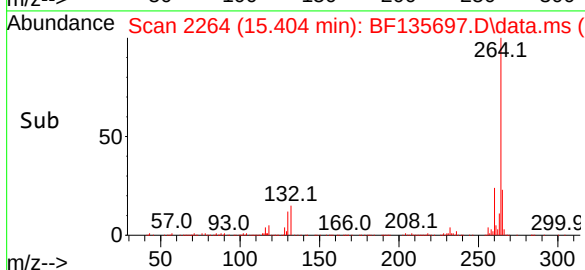
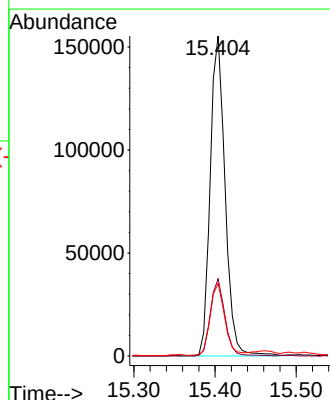
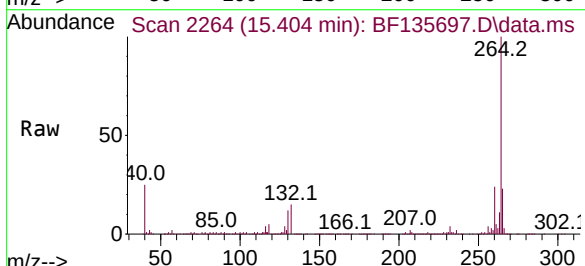
Tgt Ion:264 Resp: 197542

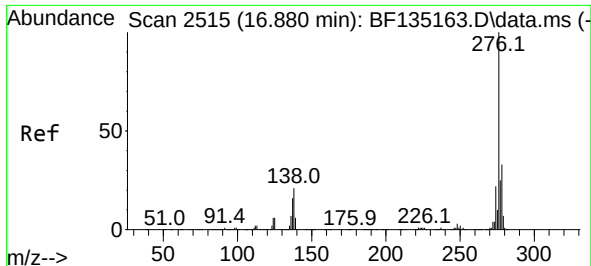
Ion Ratio Lower Upper

264 100

260 24.1 19.8 29.6

265 22.7 17.0 25.4

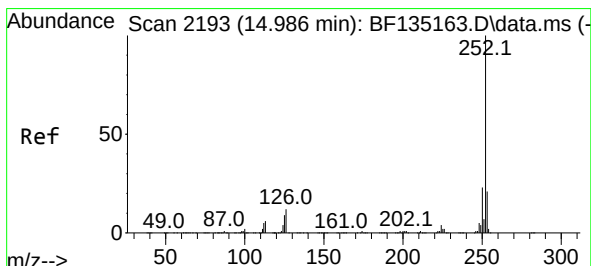
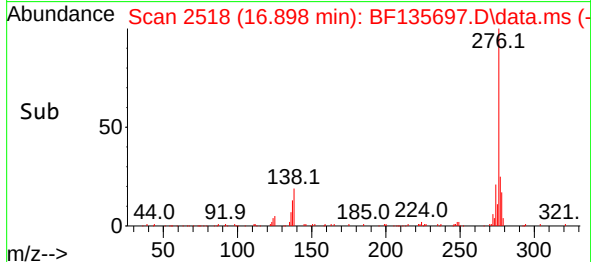
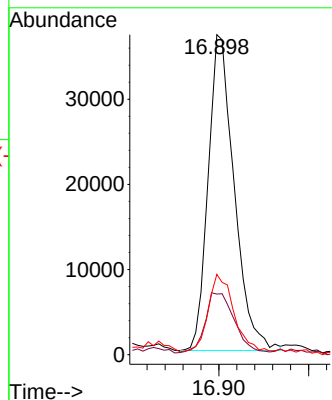
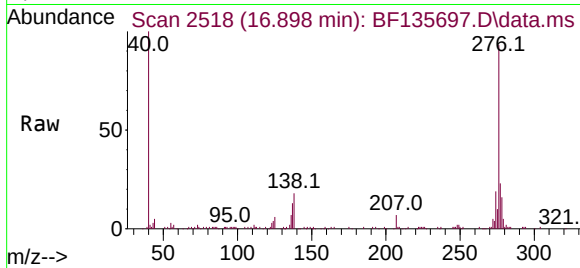




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.768 ng
RT: 16.898 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BF135697.D
Acq: 10 Oct 2023 21:40

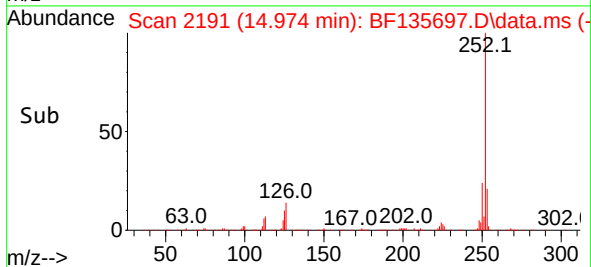
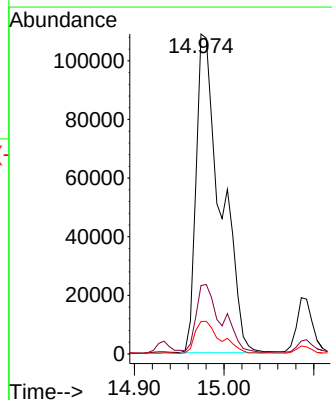
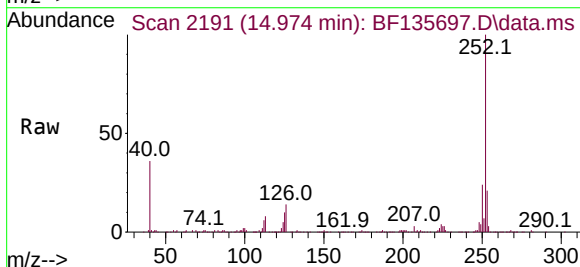
Instrument :
BNA_F
ClientSampleId :
DTP-3

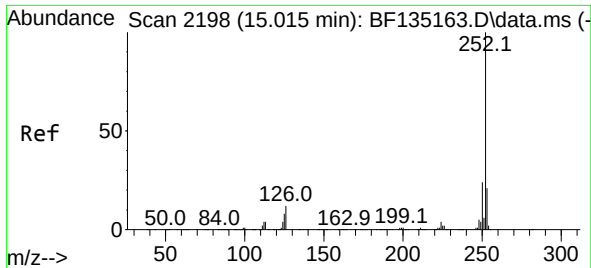
Tgt Ion:276 Resp: 74711
Ion Ratio Lower Upper
276 100
138 21.0 19.2 28.8
277 24.1 19.7 29.5



#88
Benzo(b)fluoranthene
Concen: 19.360 ng
RT: 14.974 min Scan# 2191
Delta R.T. -0.006 min
Lab File: BF135697.D
Acq: 10 Oct 2023 21:40

Tgt Ion:252 Resp: 207024
Ion Ratio Lower Upper
252 100
253 21.4 17.2 25.8
125 10.2 7.1 10.7

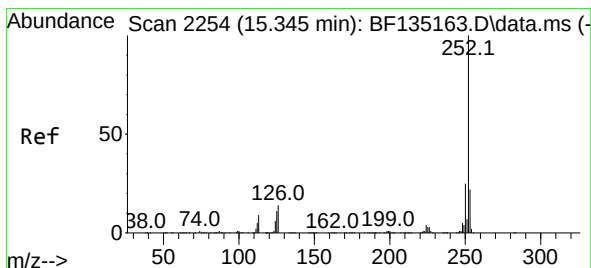
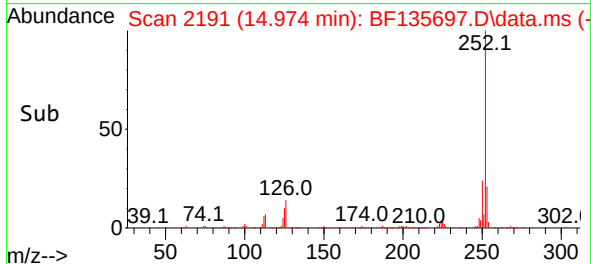
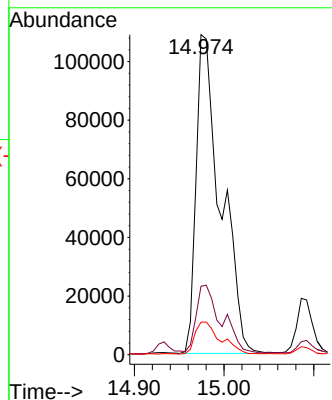
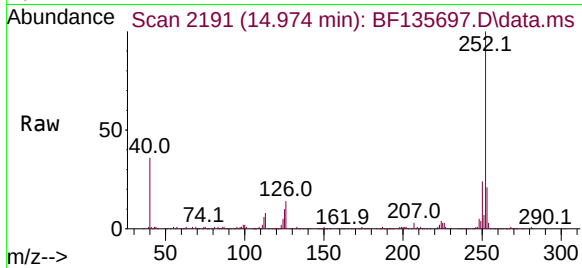




#89
Benzo(k)fluoranthene
Concen: 19.598 ng
RT: 14.974 min Scan# 2198
Delta R.T. -0.029 min
Lab File: BF135697.D
Acq: 10 Oct 2023 21:40

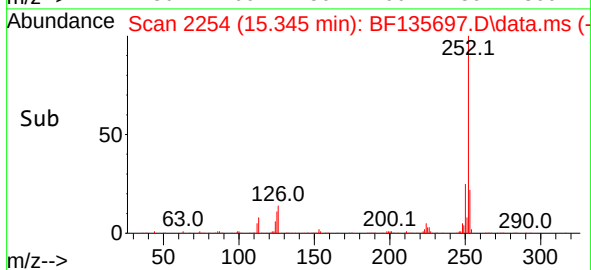
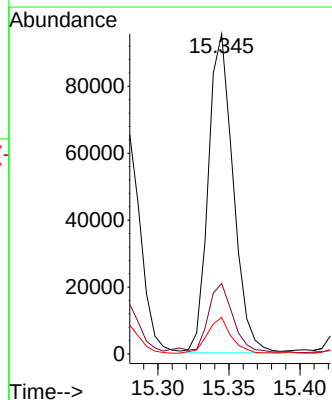
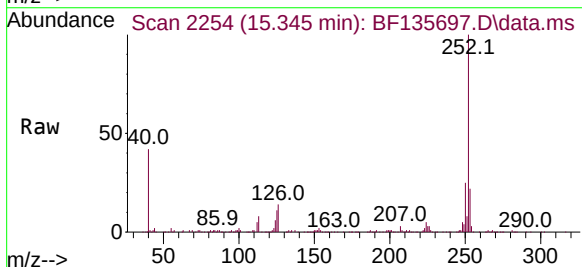
Instrument :
BNA_F
ClientSampleId :
DTP-3

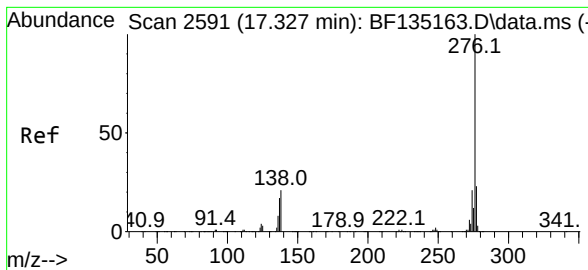
Tgt Ion:252 Resp: 207024
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.0
125 10.2 7.2 10.8



#90
Benzo(a)pyrene
Concen: 11.422 ng
RT: 15.345 min Scan# 2254
Delta R.T. 0.000 min
Lab File: BF135697.D
Acq: 10 Oct 2023 21:40

Tgt Ion:252 Resp: 116484
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 11.4 9.2 13.8





#92
 Benzo(g,h,i)perylene
 Concen: 6.122 ng
 RT: 17.357 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF135697.D
 Acq: 10 Oct 2023 21:40

Instrument :
 BNA_F
 ClientSampleId :
 DTP-3

Tgt	Ion:276	Resp:	67758
Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.8	28.2
138	22.4	16.9	25.3

