

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022125\
 Data File : BF141723.D
 Acq On : 21 Feb 2025 16:47
 Operator : RC/JU
 Sample : Q1388-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12016

Quant Time: Feb 21 17:10:26 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

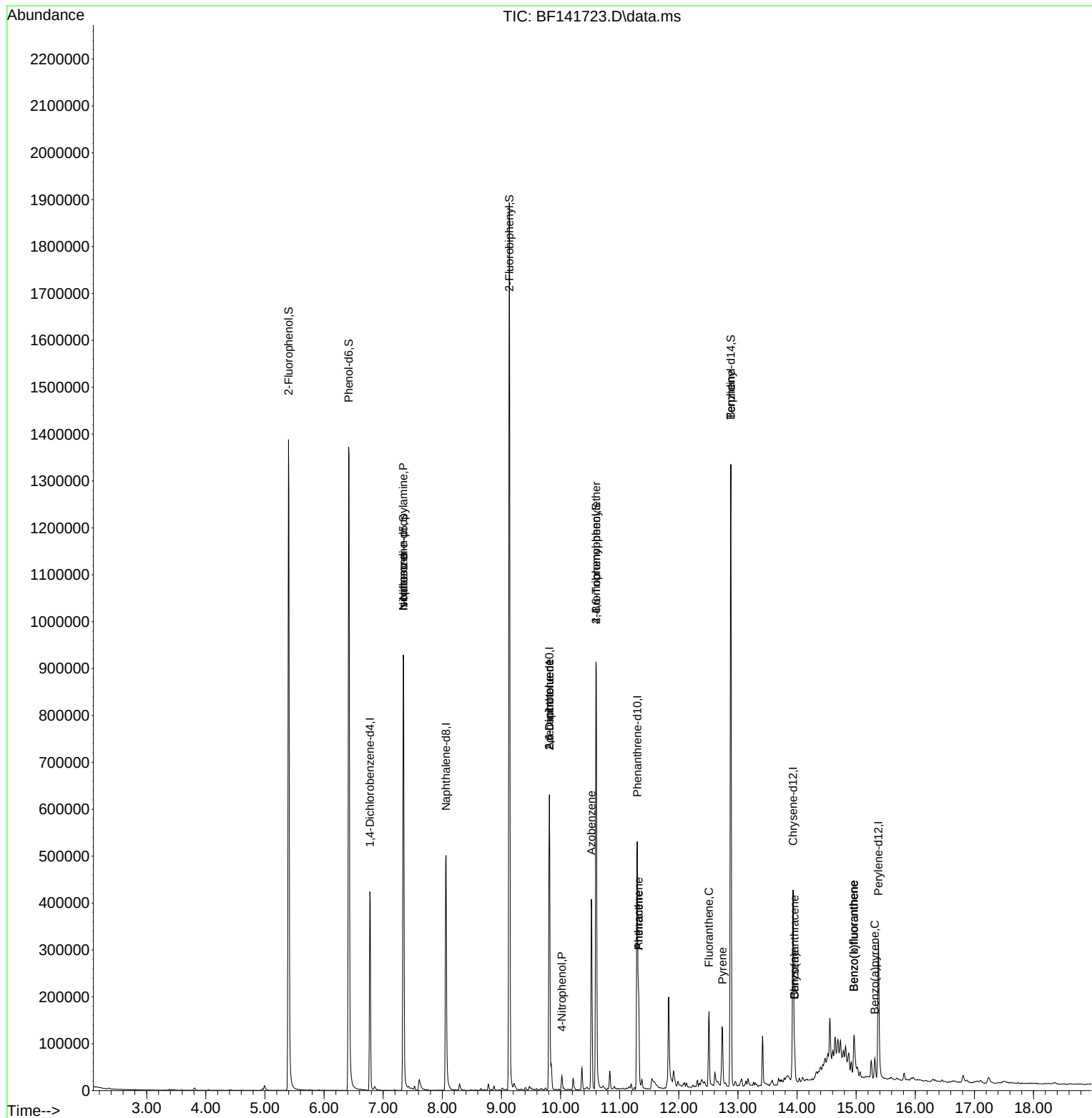
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.775	152	91282	20.000	ng	-0.02
21) Naphthalene-d8	8.063	136	363068	20.000	ng	-0.01
39) Acenaphthene-d10	9.810	164	197117	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	286392	20.000	ng	-0.02
76) Chrysene-d12	13.933	240	184831	20.000	ng	-0.03
86) Perylene-d12	15.374	264	176569	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.399	112	546097	93.791	ng	-0.01
7) Phenol-d6	6.416	99	679878	92.385	ng	-0.02
23) Nitrobenzene-d5	7.340	82	446142	64.093	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	157725	79.654	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	842899	65.880	ng	-0.02
79) Terphenyl-d14	12.880	244	650189	59.386	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.340	70	57787	13.128	ng	# 74
25) Isophorone	7.340	82	434141	39.116	ng	# 66
51) 2,6-Dinitrotoluene	9.810	165	25705	8.787	ng	# 22
56) 4-Nitrophenol	10.022	139	7090	3.033	ng	# 1
57) 2,4-Dinitrotoluene	9.810	165	25706	6.601	ng	# 19
63) Azobenzene	10.522	77	103078	7.875	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	11404	3.563	ng	# 1
71) Phenanthrene	11.322	178	109513	6.947	ng	99
72) Anthracene	11.322	178	109513	6.911	ng	99
75) Fluoranthene	12.510	202	94832	5.674	ng	99
77) Benzidine	12.880	184	8369	2.053	ng	# 91
78) Pyrene	12.739	202	77624	4.933	ng	99
81) Benzo(a)anthracene	13.957	228	35218	2.866	ng	93
83) Chrysene	13.957	228	35218	3.104	ng	96
88) Benzo(b)fluoranthene	14.963	252	60144	5.073	ng	97
89) Benzo(k)fluoranthene	14.963	252	60144	5.941	ng	99
90) Benzo(a)pyrene	15.316	252	25136	2.620	ng	95

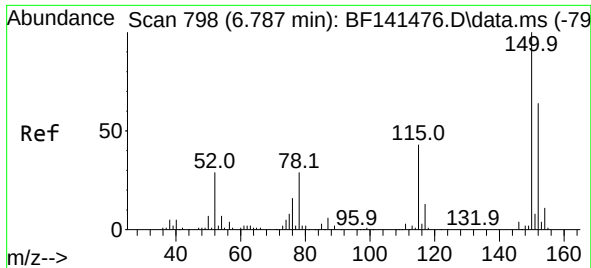
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022125\
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Misc :
ALS Vial : 16 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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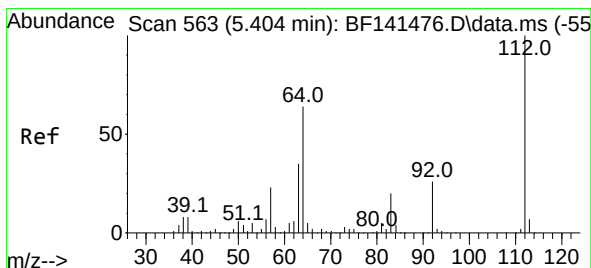
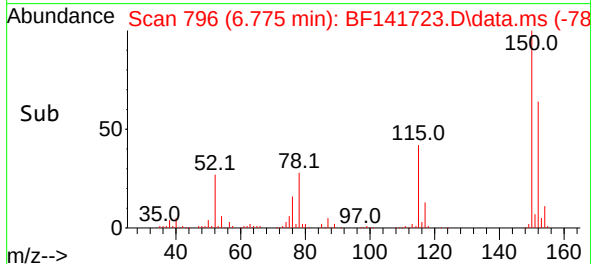
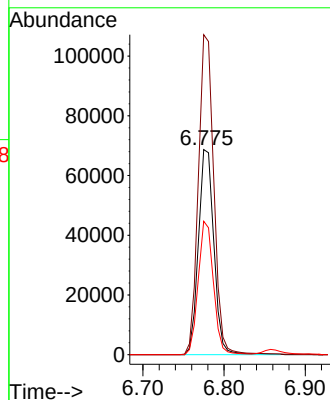
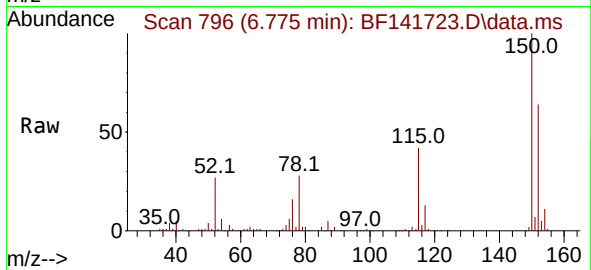




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.775 min Scan# 798
 Delta R.T. -0.017 min
 Lab File: BF141723.D
 Acq: 21 Feb 2025 16:47

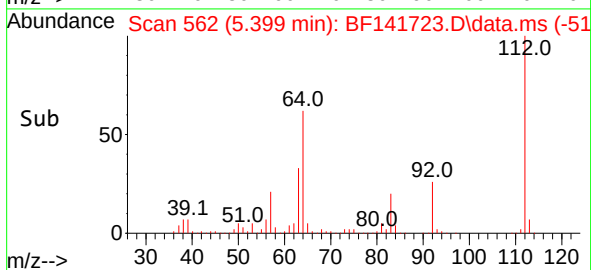
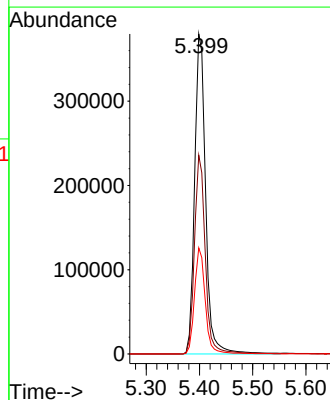
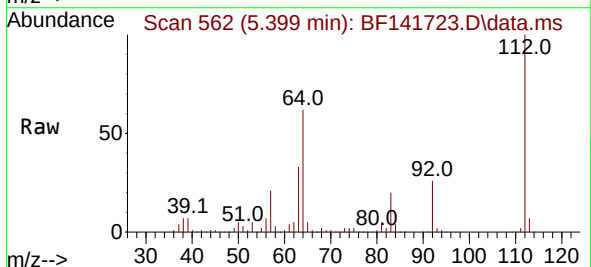
Instrument :
 BNA_F
 ClientSampleId :
 72-12016

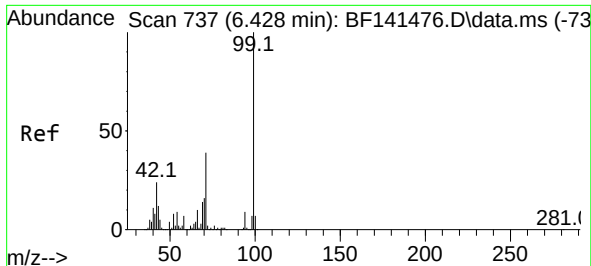
Tgt Ion:152 Resp: 91282
 Ion Ratio Lower Upper
 152 100
 150 156.0 125.0 187.4
 115 65.0 53.6 80.4



#5
 2-Fluorophenol
 Concen: 93.791 ng
 RT: 5.399 min Scan# 562
 Delta R.T. -0.011 min
 Lab File: BF141723.D
 Acq: 21 Feb 2025 16:47

Tgt Ion:112 Resp: 546097
 Ion Ratio Lower Upper
 112 100
 64 62.1 51.1 76.7
 63 33.2 28.4 42.6

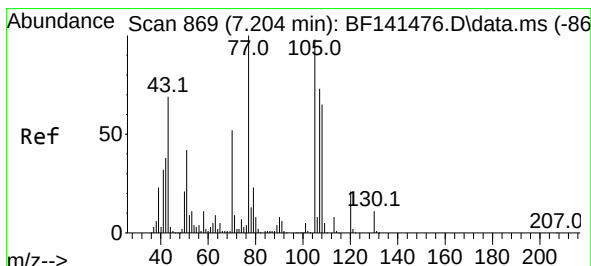
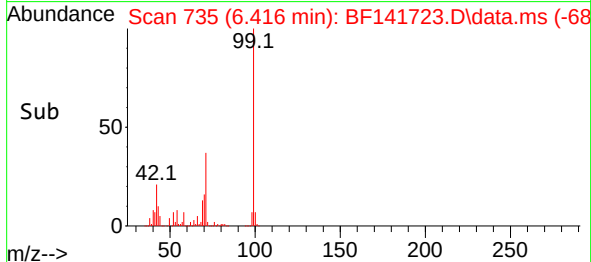
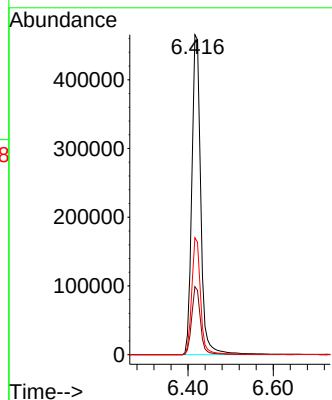
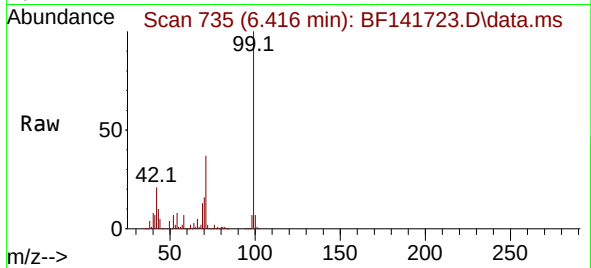




#7
Phenol-d6
Concen: 92.385 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.023 min
Lab File: BF141723.D
Acq: 21 Feb 2025 16:47

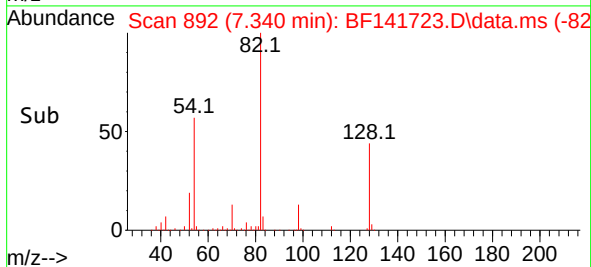
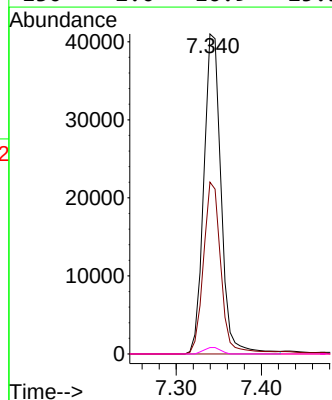
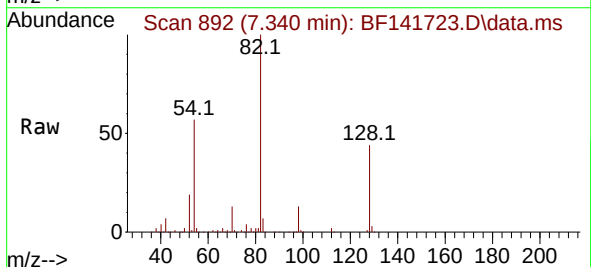
Instrument :
BNA_F
ClientSampleId :
72-12016

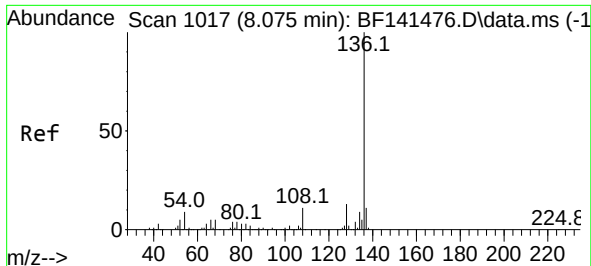
Tgt Ion: 99 Resp: 679878
Ion Ratio Lower Upper
99 100
42 21.2 19.1 28.7
71 36.5 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.128 ng
RT: 7.340 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF141723.D
Acq: 21 Feb 2025 16:47

Tgt Ion: 70 Resp: 57787
Ion Ratio Lower Upper
70 100
42 53.7 57.4 86.2#
101 0.0 8.0 12.0#
130 2.0 16.9 25.3#

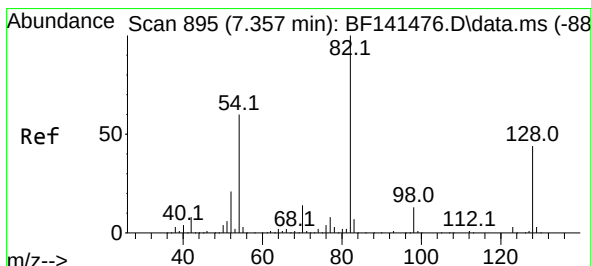
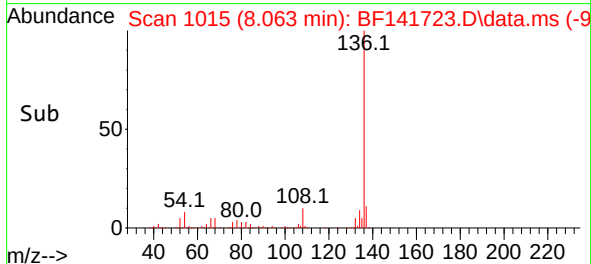
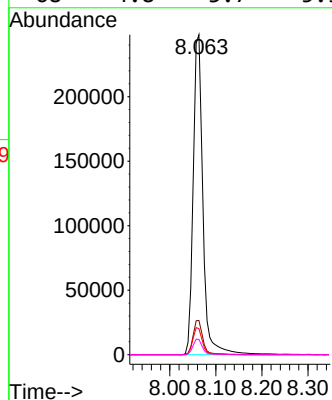
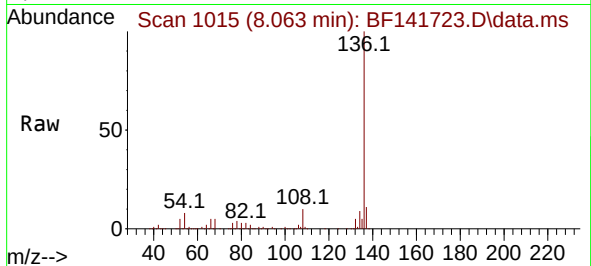




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.011 min
Lab File: BF141723.D
Acq: 21 Feb 2025 16:47

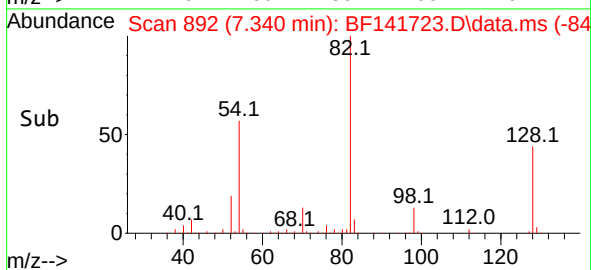
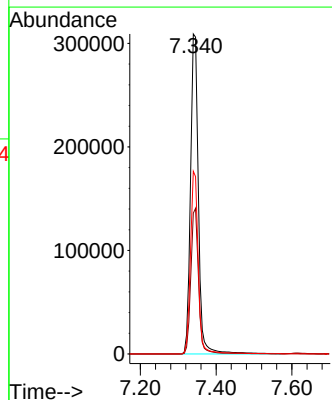
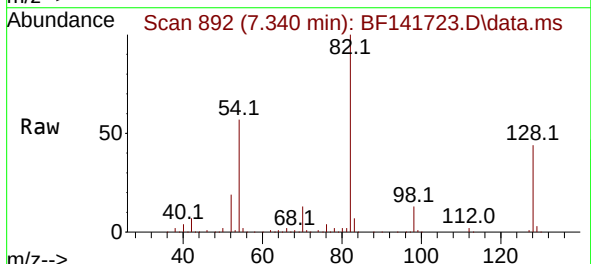
Instrument :
BNA_F
ClientSampleId :
72-12016

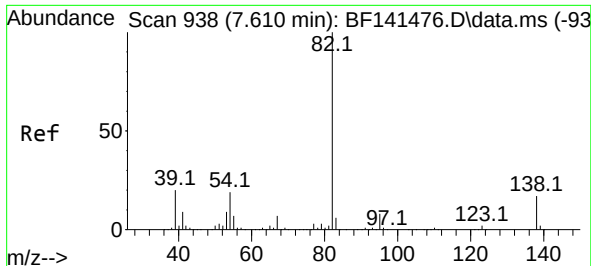
Tgt Ion:136 Resp: 363068
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.2 7.2 10.8
68 4.8 3.7 5.5



#23
Nitrobenzene-d5
Concen: 64.093 ng
RT: 7.340 min Scan# 892
Delta R.T. -0.023 min
Lab File: BF141723.D
Acq: 21 Feb 2025 16:47

Tgt Ion: 82 Resp: 446142
Ion Ratio Lower Upper
82 100
128 44.0 34.8 52.2
54 57.1 48.2 72.4

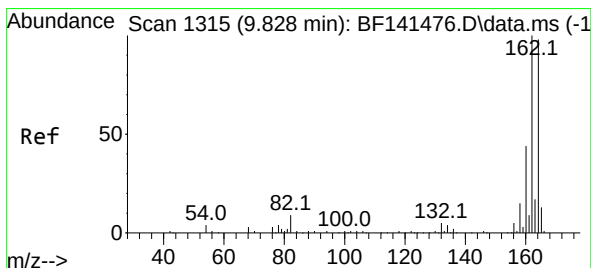
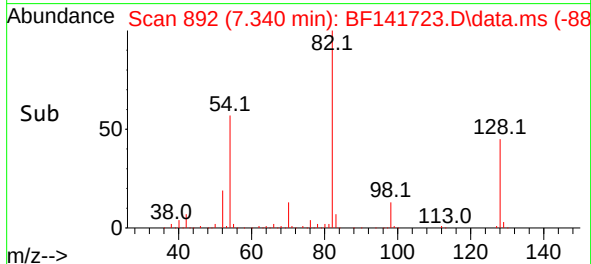
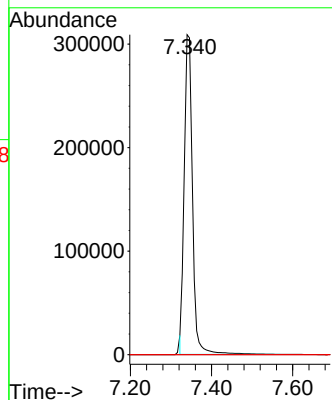
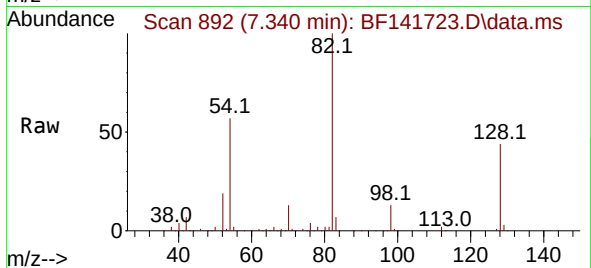




#25
Isophorone
Concen: 39.116 ng
RT: 7.340 min Scan# 89
Delta R.T. -0.282 min
Lab File: BF141723.D
Acq: 21 Feb 2025 16:47

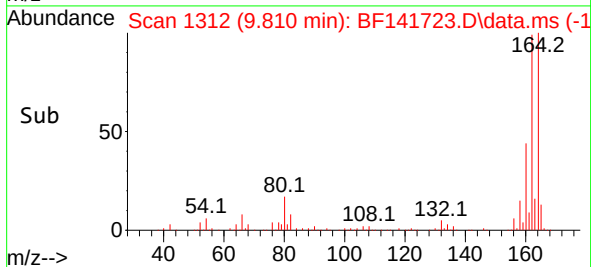
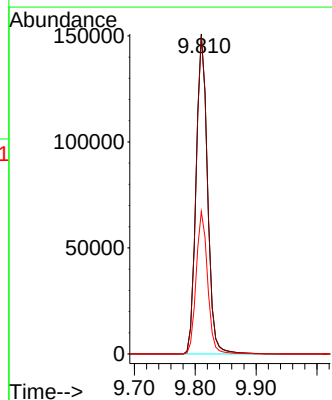
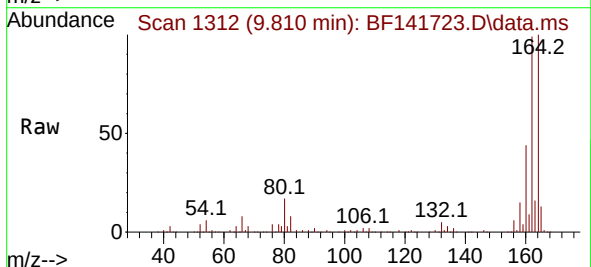
Instrument :
BNA_F
ClientSampleId :
72-12016

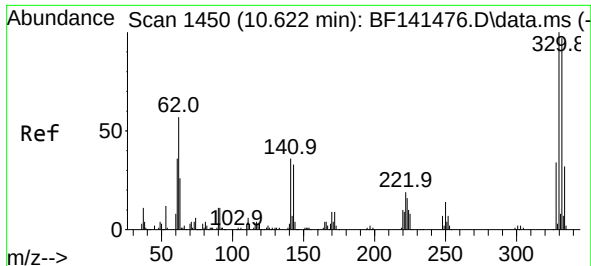
Tgt Ion: 82 Resp: 434141
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.810 min Scan# 1312
Delta R.T. -0.023 min
Lab File: BF141723.D
Acq: 21 Feb 2025 16:47

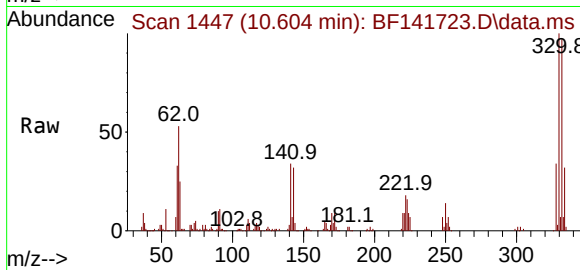
Tgt Ion:164 Resp: 197117
Ion Ratio Lower Upper
164 100
162 99.4 81.3 121.9
160 44.5 35.9 53.9



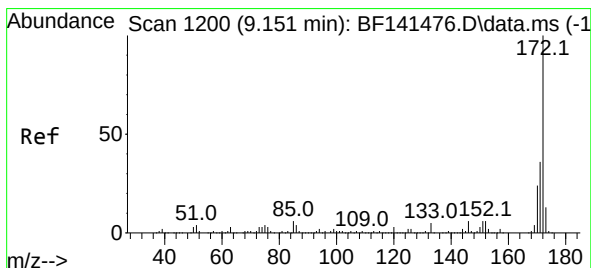
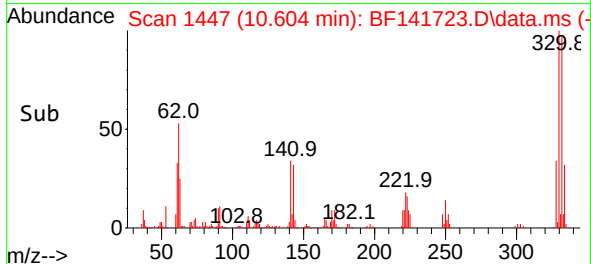
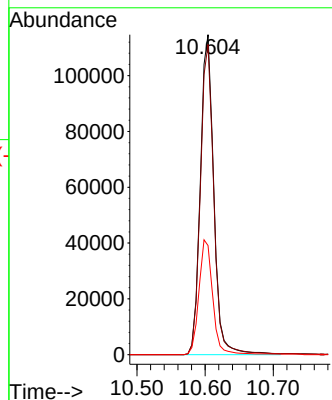


#42
2,4,6-Tribromophenol
Concen: 79.654 ng
RT: 10.604 min Scan# 1450
Delta R.T. -0.023 min
Lab File: BF141723.D
Acq: 21 Feb 2025 16:47

Instrument :
BNA_F
ClientSampleId :
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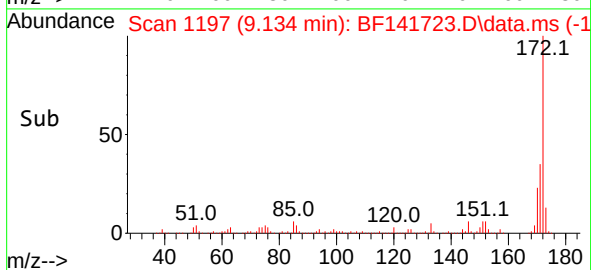
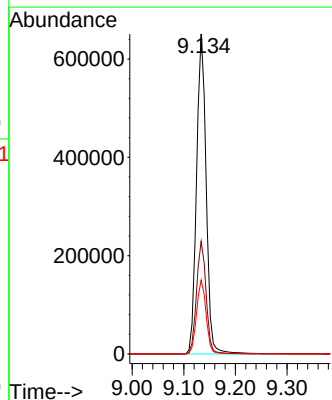
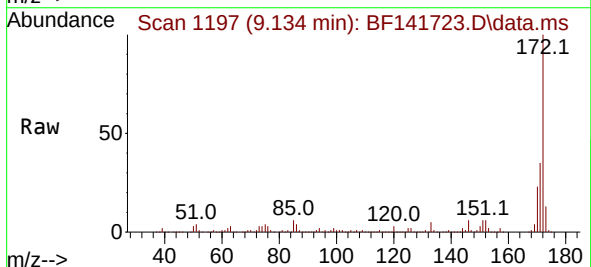


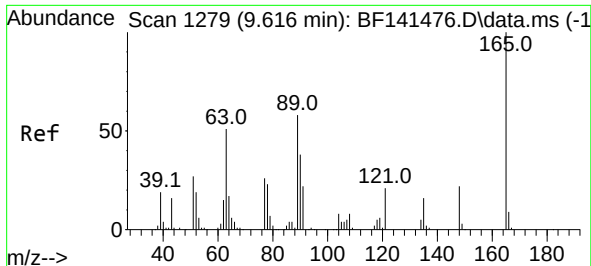
Tgt Ion:330 Resp: 157725
Ion Ratio Lower Upper
330 100
332 97.6 78.5 117.7
141 36.9 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 65.880 ng
RT: 9.134 min Scan# 1197
Delta R.T. -0.017 min
Lab File: BF141723.D
Acq: 21 Feb 2025 16:47

Tgt Ion:172 Resp: 842899
Ion Ratio Lower Upper
172 100
171 35.2 28.7 43.1
170 23.1 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.787 ng

RT: 9.810 min Scan# 11

Delta R.T. 0.188 min

Lab File: BF141723.D

Acq: 21 Feb 2025 16:47

Instrument :

BNA_F

ClientSampleId :

72-12016

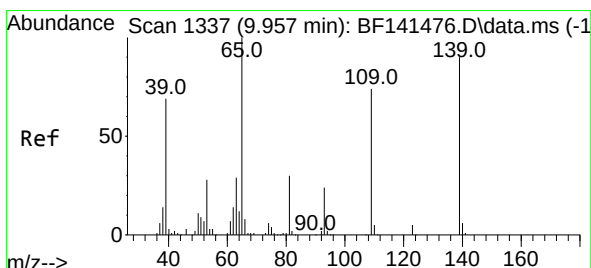
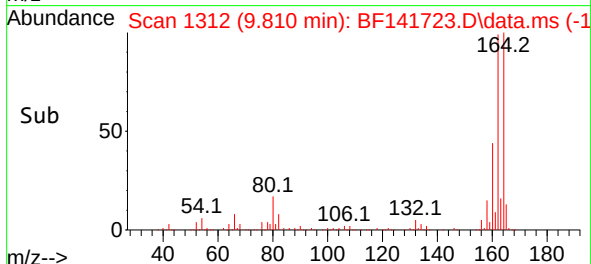
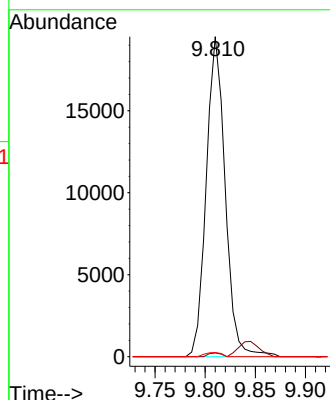
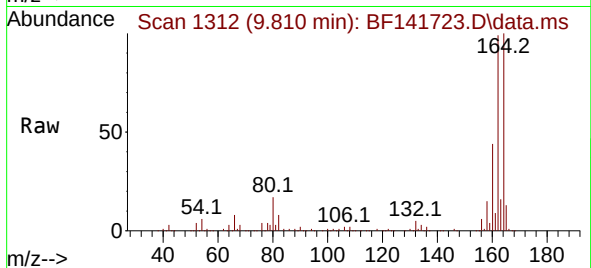
Tgt Ion:165 Resp: 25705

Ion Ratio Lower Upper

165 100

63 1.1 49.4 74.0#

89 1.3 46.5 69.7#



#56

4-Nitrophenol

Concen: 3.033 ng

RT: 10.022 min Scan# 1348

Delta R.T. 0.053 min

Lab File: BF141723.D

Acq: 21 Feb 2025 16:47

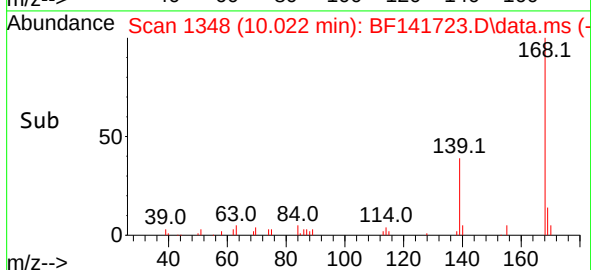
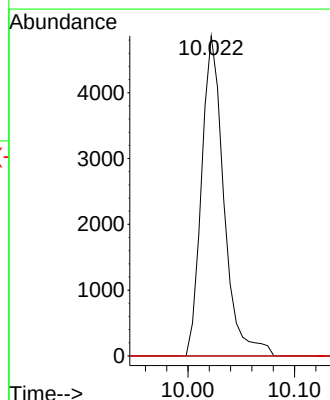
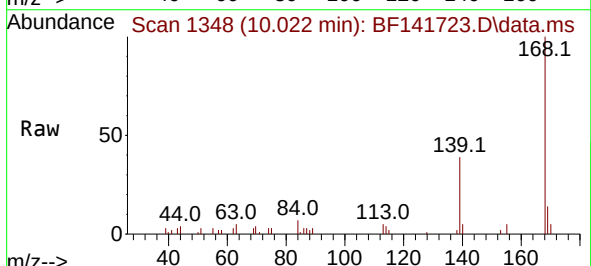
Tgt Ion:139 Resp: 7090

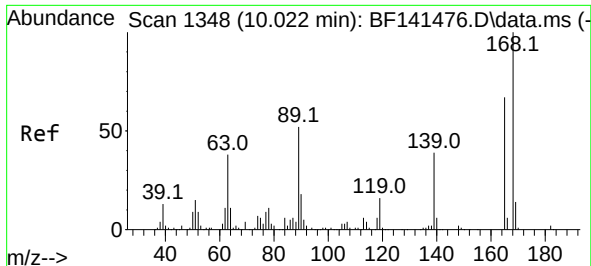
Ion Ratio Lower Upper

139 100

109 0.0 62.0 102.0#

65 0.0 91.2 131.2#

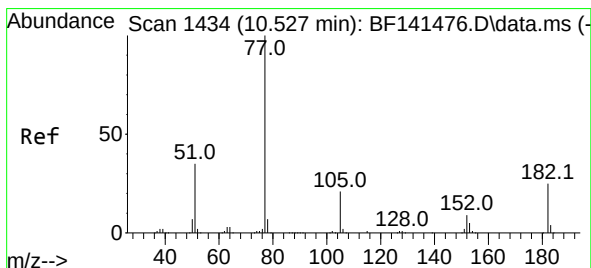
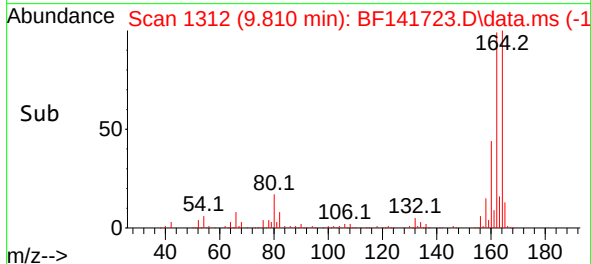
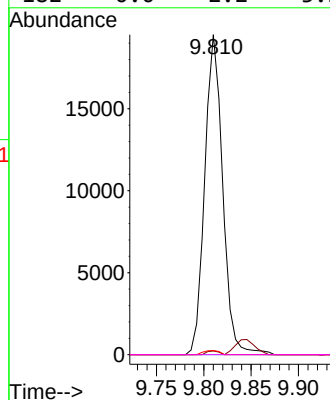
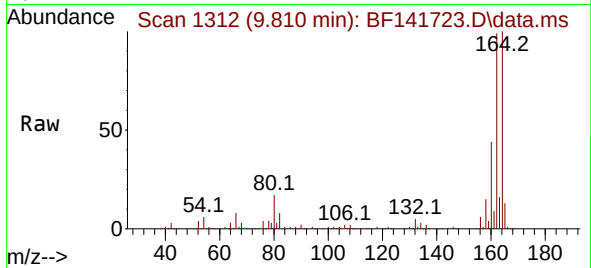




#57
2,4-Dinitrotoluene
Concen: 6.601 ng
RT: 9.810 min Scan# 11
Delta R.T. -0.217 min
Lab File: BF141723.D
Acq: 21 Feb 2025 16:47

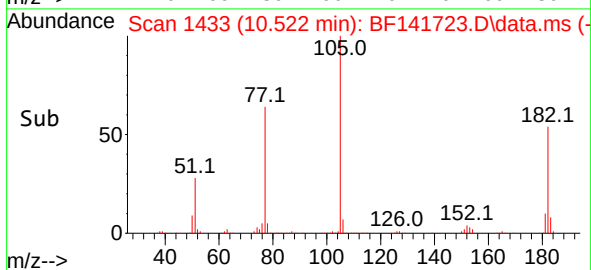
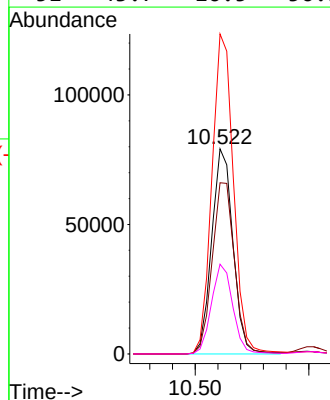
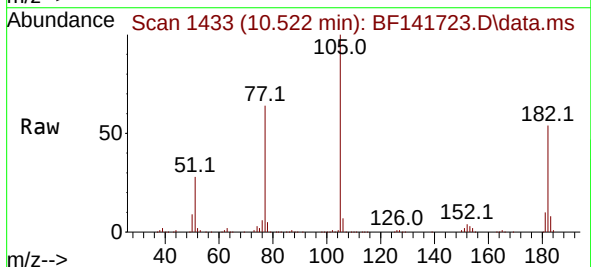
Instrument :
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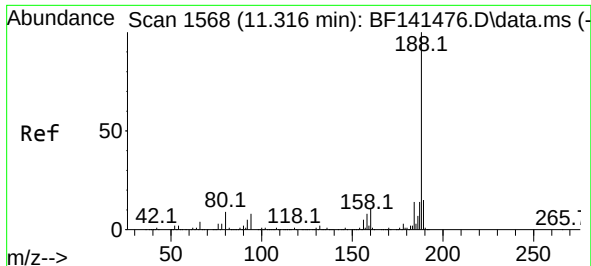
Tgt Ion:165 Resp: 25706
Ion Ratio Lower Upper
165 100
63 1.1 46.4 69.6#
89 1.3 61.8 92.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 7.875 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.011 min
Lab File: BF141723.D
Acq: 21 Feb 2025 16:47

Tgt Ion: 77 Resp: 103078
Ion Ratio Lower Upper
77 100
182 83.5 4.7 44.7#
105 155.9 0.4 40.4#
51 43.7 16.5 56.5

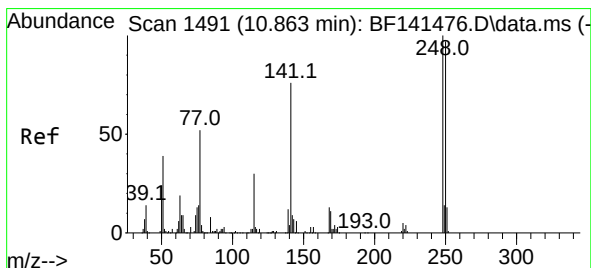
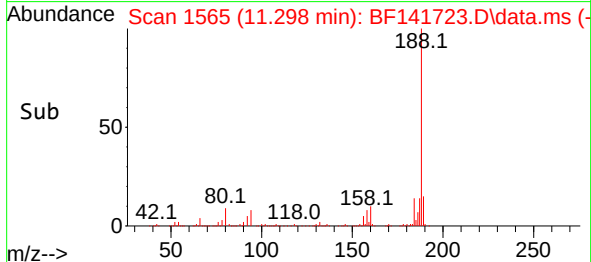
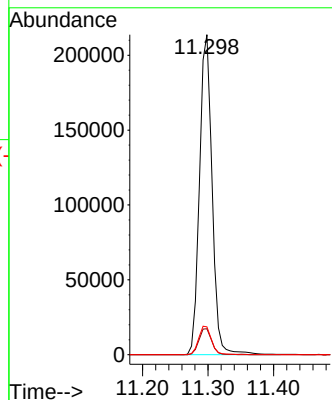
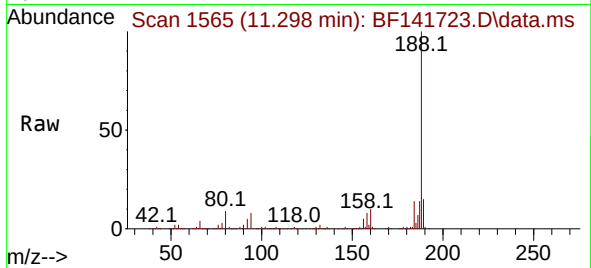




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141723.D
Acq: 21 Feb 2025 16:47

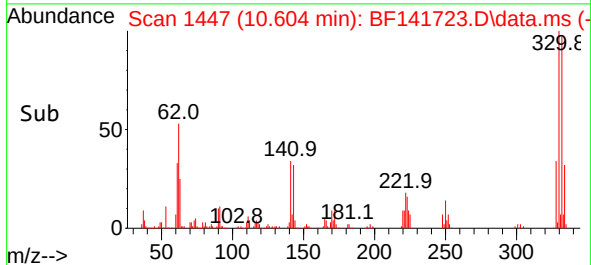
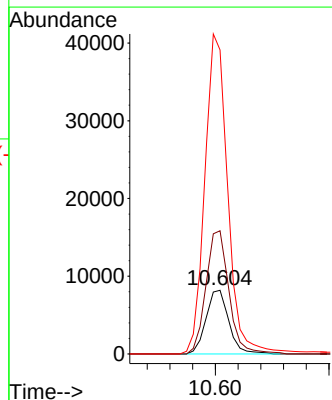
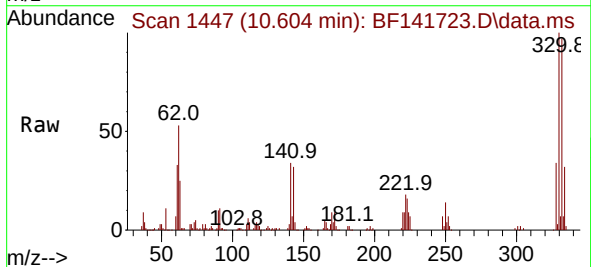
Instrument :
BNA_F
ClientSampleId :
72-12016

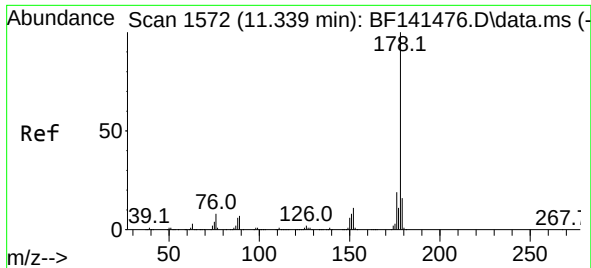
Tgt Ion:188 Resp: 286392
Ion Ratio Lower Upper
188 100
94 8.1 6.6 10.0
80 8.7 7.3 10.9



#67
4-Bromophenyl-phenylether
Concen: 3.563 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.259 min
Lab File: BF141723.D
Acq: 21 Feb 2025 16:47

Tgt Ion:248 Resp: 11404
Ion Ratio Lower Upper
248 100
250 193.4 77.8 116.6#
141 477.6 60.6 90.8#

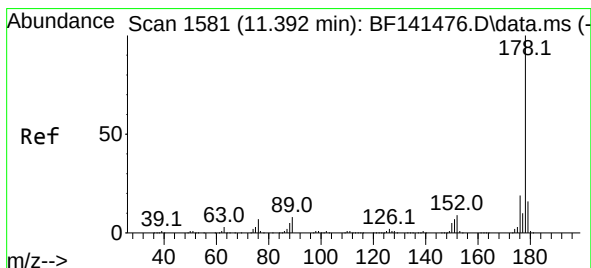
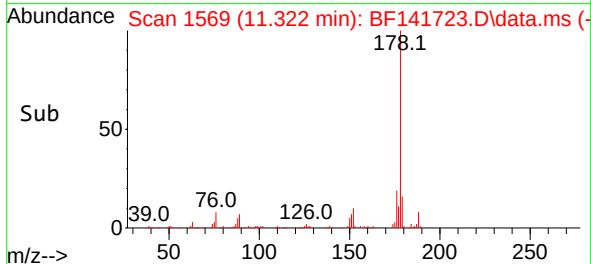
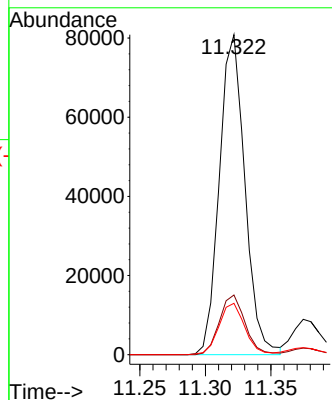
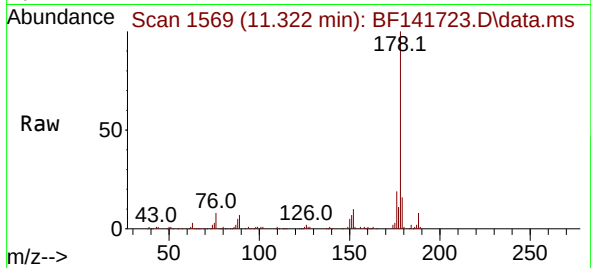




#71
Phenanthrene
Concen: 6.947 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.023 min
Lab File: BF141723.D
Acq: 21 Feb 2025 16:47

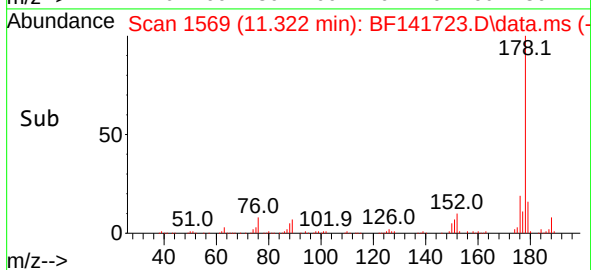
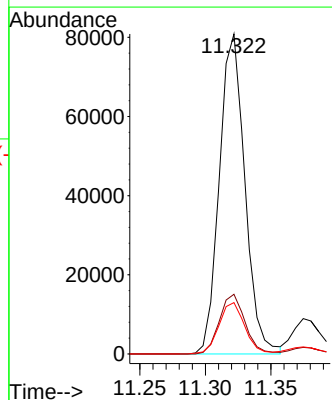
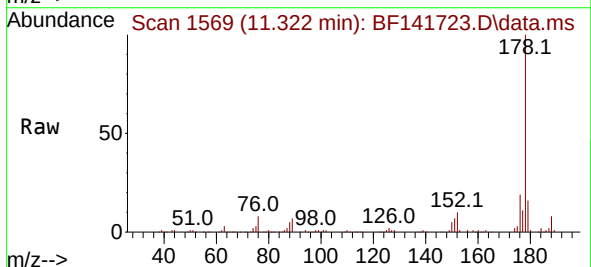
Instrument :
BNA_F
ClientSampleId :
72-12016

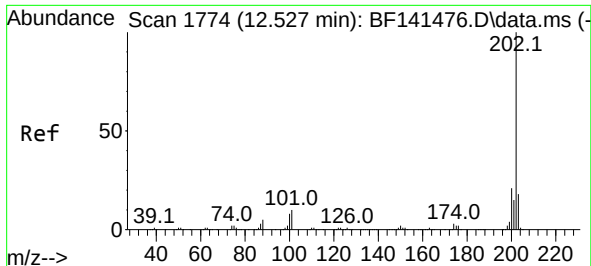
Tgt Ion:178 Resp: 109513
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.0
179 16.0 12.4 18.6



#72
Anthracene
Concen: 6.911 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.076 min
Lab File: BF141723.D
Acq: 21 Feb 2025 16:47

Tgt Ion:178 Resp: 109513
Ion Ratio Lower Upper
178 100
176 18.6 14.8 22.2
179 16.0 12.4 18.6

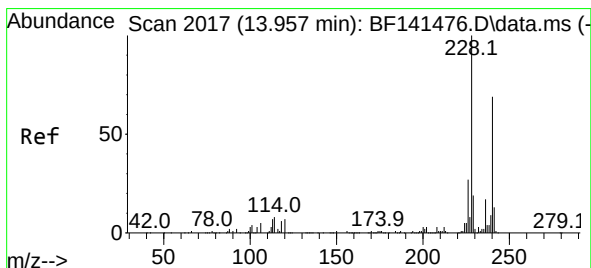
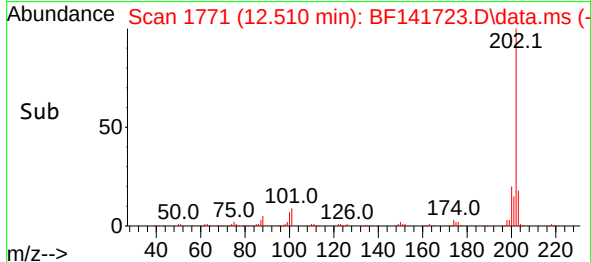
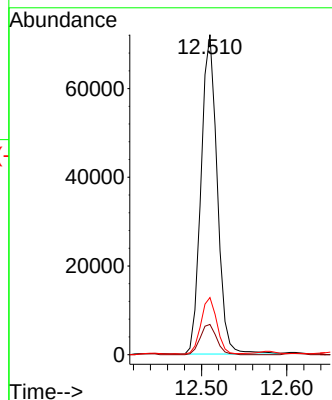
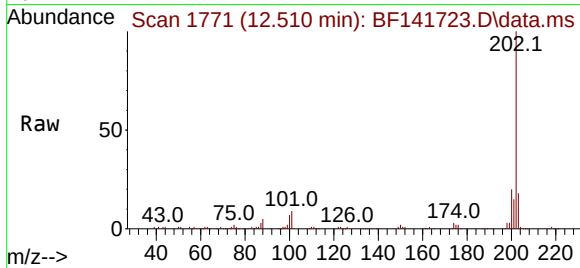




#75
Fluoranthene
Concen: 5.674 ng
RT: 12.510 min Scan# 11
Delta R.T. -0.023 min
Lab File: BF141723.D
Acq: 21 Feb 2025 16:47

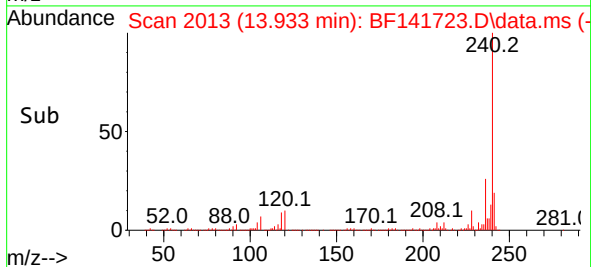
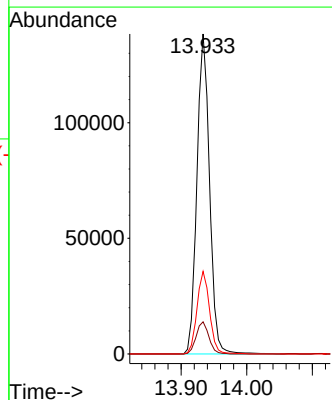
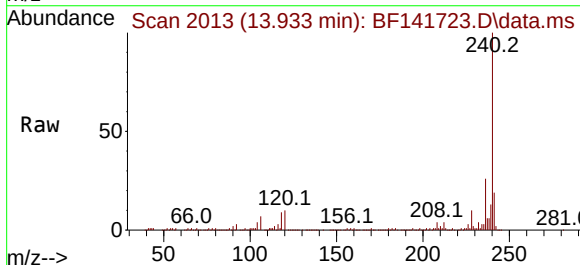
Instrument :
BNA_F
ClientSampleId :
72-12016

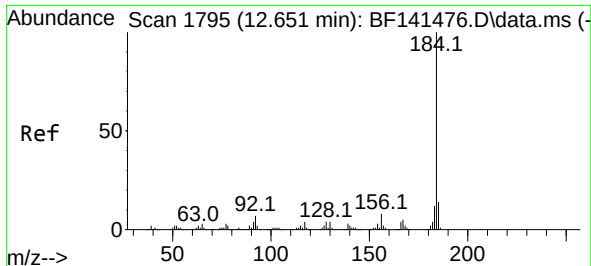
Tgt Ion:202 Resp: 94832
Ion Ratio Lower Upper
202 100
101 9.5 0.0 30.2
203 17.9 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.029 min
Lab File: BF141723.D
Acq: 21 Feb 2025 16:47

Tgt Ion:240 Resp: 184831
Ion Ratio Lower Upper
240 100
120 10.1 8.0 12.0
236 25.8 19.8 29.8

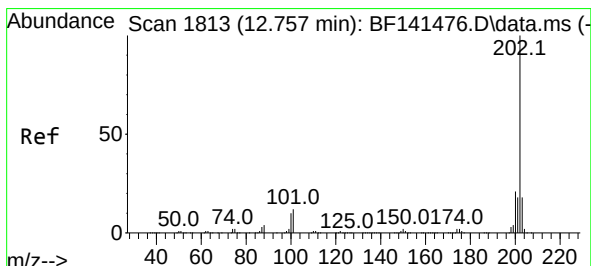
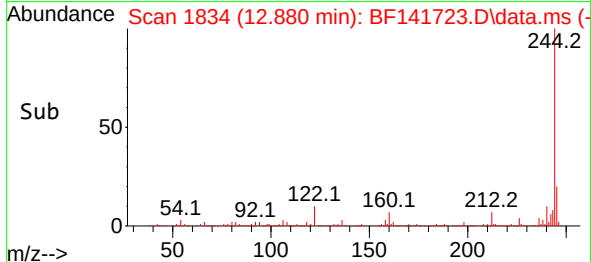
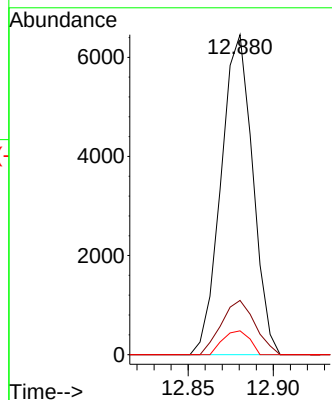
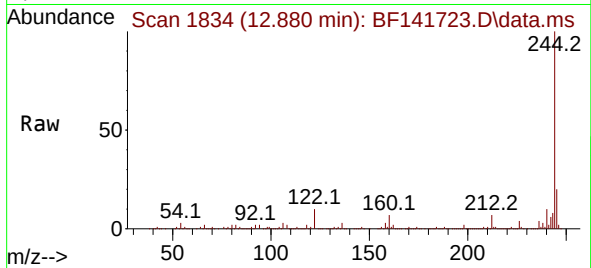




#77
Benzidine
Concen: 2.053 ng
RT: 12.880 min Scan# 1810
Delta R.T. 0.224 min
Lab File: BF141723.D
Acq: 21 Feb 2025 16:47

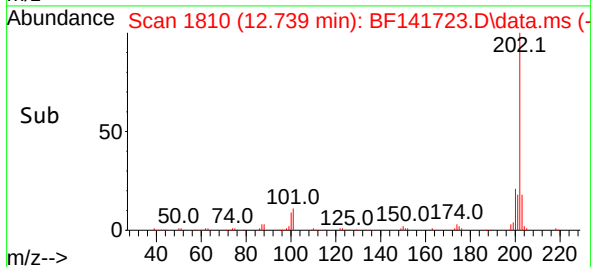
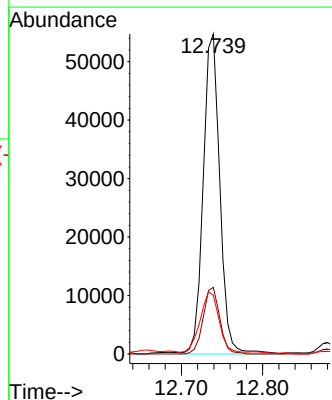
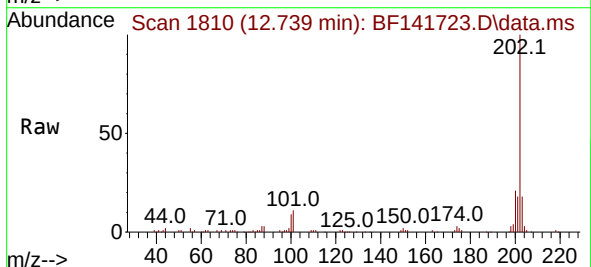
Instrument :
BNA_F
ClientSampleId :
72-12016

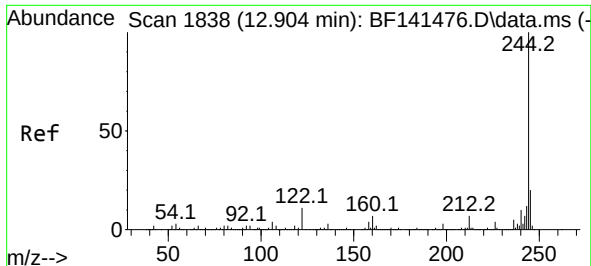
Tgt Ion:184 Resp: 8369
Ion Ratio Lower Upper
184 100
185 17.0 11.3 16.9#
183 7.4 9.3 13.9#



#78
Pyrene
Concen: 4.933 ng
RT: 12.739 min Scan# 1810
Delta R.T. -0.023 min
Lab File: BF141723.D
Acq: 21 Feb 2025 16:47

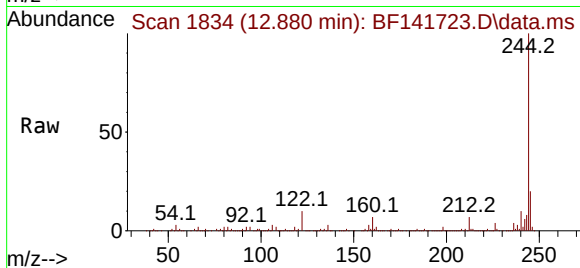
Tgt Ion:202 Resp: 77624
Ion Ratio Lower Upper
202 100
200 20.8 17.0 25.4
203 18.4 14.3 21.5



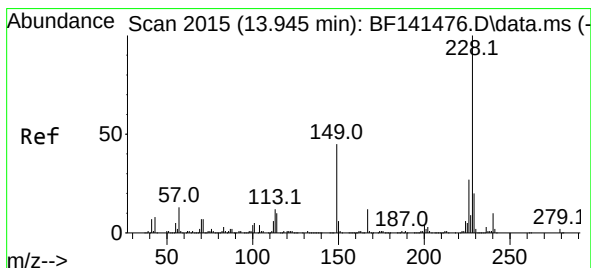
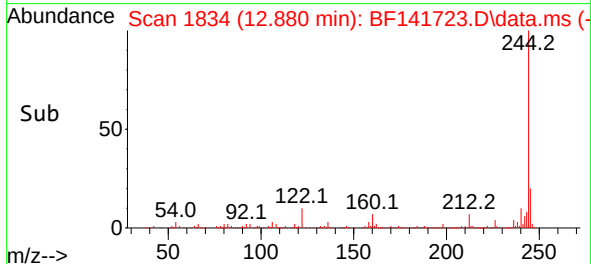
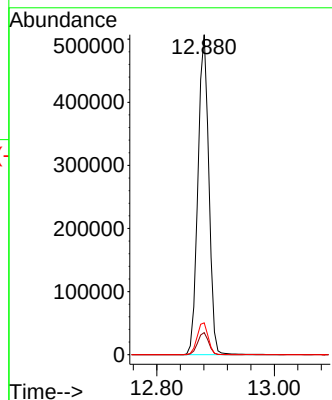


#79
 Terphenyl-d14
 Concen: 59.386 ng
 RT: 12.880 min Scan# 11
 Delta R.T. -0.023 min
 Lab File: BF141723.D
 Acq: 21 Feb 2025 16:47

Instrument :
 BNA_F
 ClientSampleId :
 72-12016

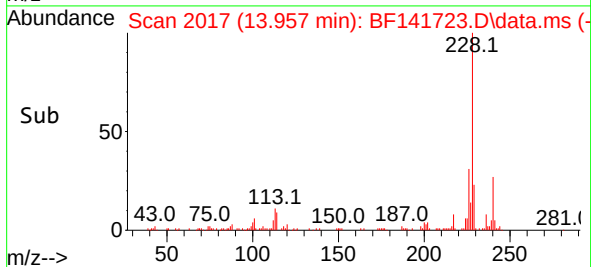
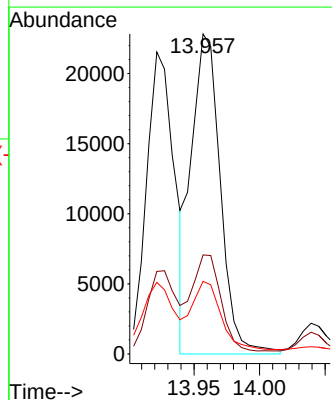
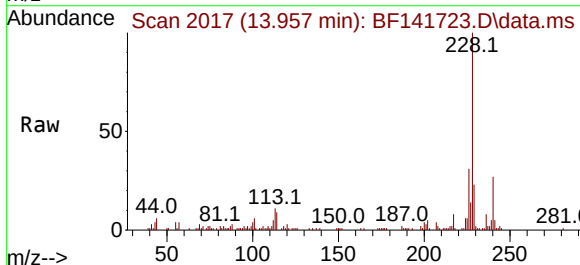


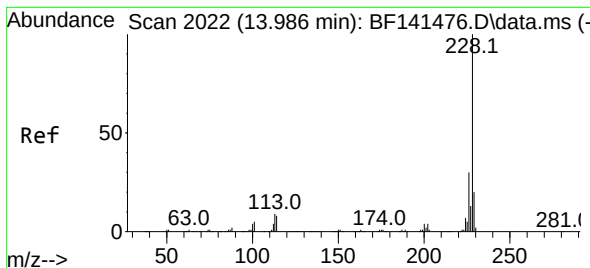
Tgt Ion:244 Resp: 650189
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 10.0 8.4 12.6



#81
 Benzo(a)anthracene
 Concen: 2.866 ng
 RT: 13.957 min Scan# 2017
 Delta R.T. 0.006 min
 Lab File: BF141723.D
 Acq: 21 Feb 2025 16:47

Tgt Ion:228 Resp: 35218
 Ion Ratio Lower Upper
 228 100
 226 31.0 21.8 32.8
 229 22.7 15.8 23.6





#83

Chrysene

Concen: 3.104 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.035 min

Lab File: BF141723.D

Acq: 21 Feb 2025 16:47

Instrument :

BNA_F

ClientSampleId :

72-12016

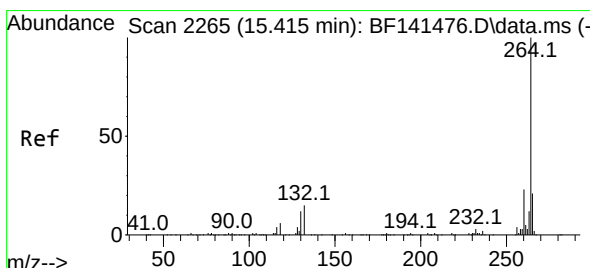
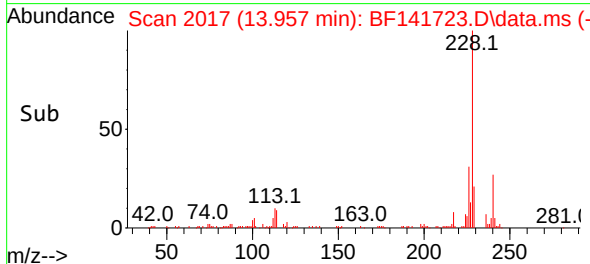
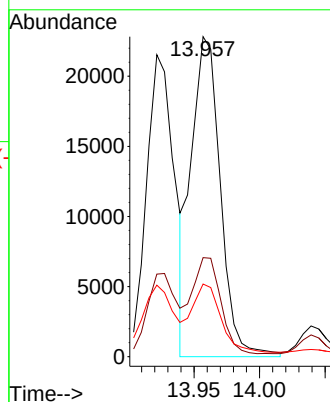
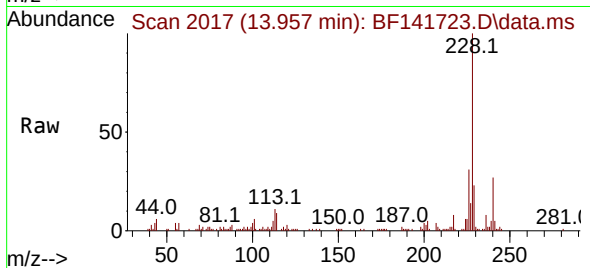
Tgt Ion:228 Resp: 35218

Ion Ratio Lower Upper

228 100

226 31.0 24.0 36.0

229 22.7 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.374 min Scan# 2258

Delta R.T. -0.041 min

Lab File: BF141723.D

Acq: 21 Feb 2025 16:47

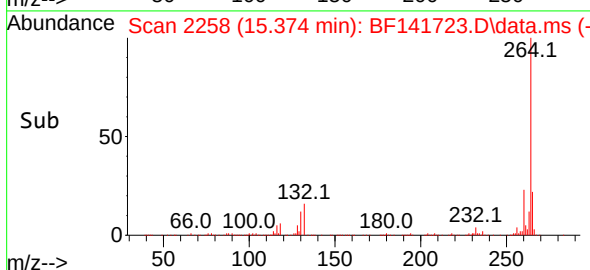
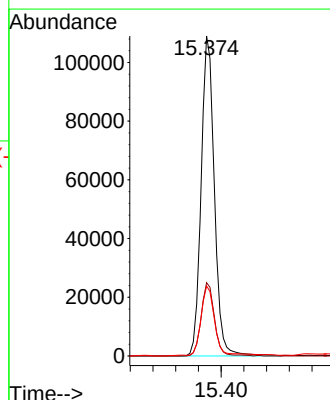
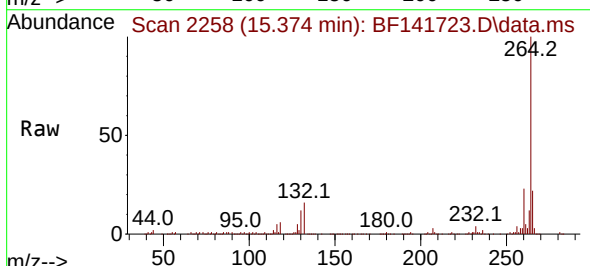
Tgt Ion:264 Resp: 176569

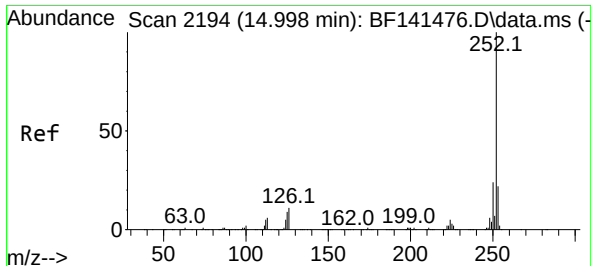
Ion Ratio Lower Upper

264 100

260 22.9 18.6 28.0

265 21.8 17.0 25.4

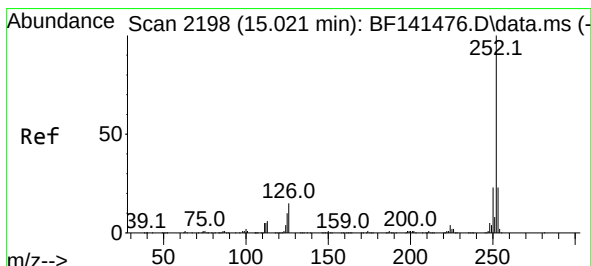
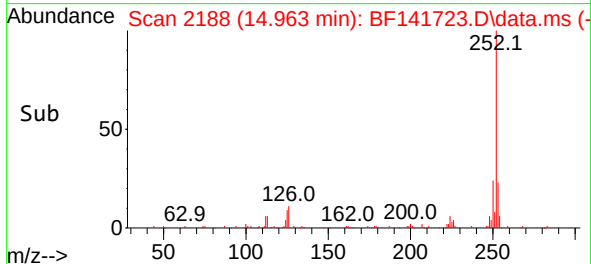
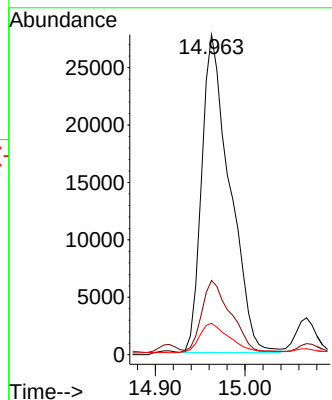
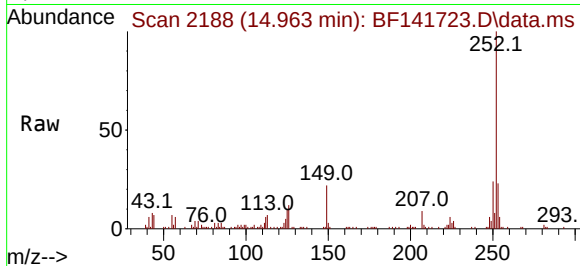




#88
Benzo(b)fluoranthene
Concen: 5.073 ng
RT: 14.963 min Scan# 2194
Delta R.T. -0.041 min
Lab File: BF141723.D
Acq: 21 Feb 2025 16:47

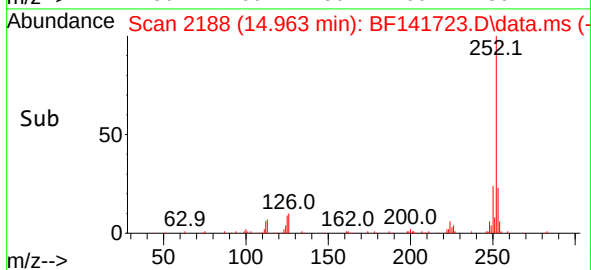
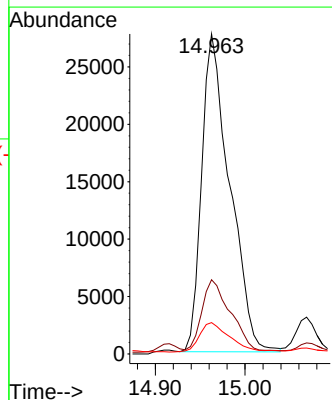
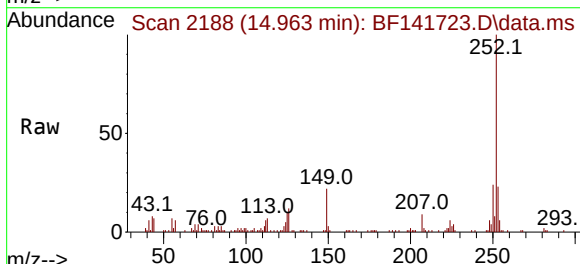
Instrument :
BNA_F
ClientSampleId :
72-12016

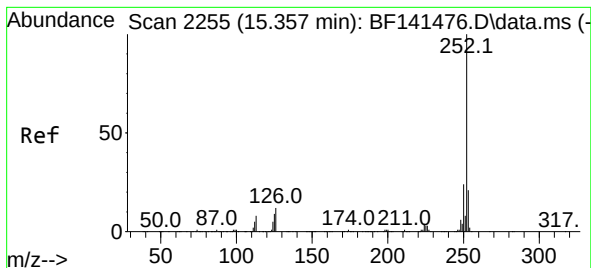
Tgt Ion:252 Resp: 60144
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 9.8 7.0 10.6



#89
Benzo(k)fluoranthene
Concen: 5.941 ng
RT: 14.963 min Scan# 2188
Delta R.T. -0.070 min
Lab File: BF141723.D
Acq: 21 Feb 2025 16:47

Tgt Ion:252 Resp: 60144
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 9.8 7.4 11.0





#90

Benzo(a)pyrene

Concen: 2.620 ng

RT: 15.316 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF141723.D

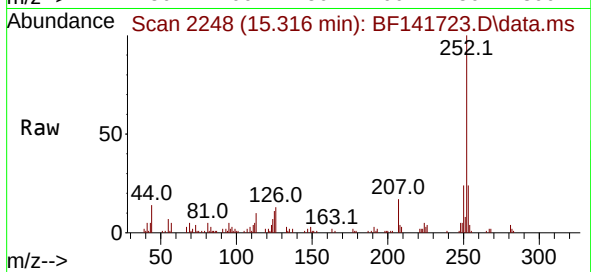
Acq: 21 Feb 2025 16:47

Instrument :

BNA_F

ClientSampleId :

72-12016



Tgt Ion:252 Resp: 25136

Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

125 10.9 7.4 11.2

