

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
 Data File : BF143807.D
 Acq On : 25 Sep 2025 16:51
 Operator : RC/JU
 Sample : Q3187-01 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 228

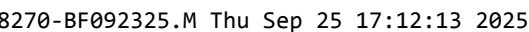
Quant Time: Sep 25 17:11:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

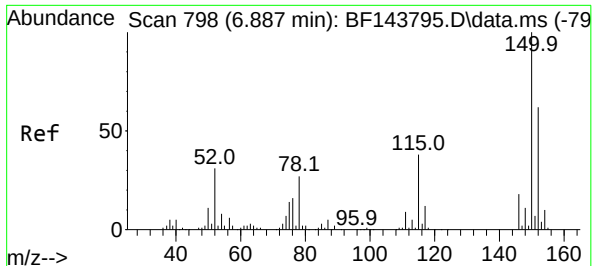
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	100934	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	344609	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	149548	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	210535	20.000	ng	# 0.02
76) Chrysene-d12	14.069	240	413593	20.000	ng	0.00
86) Perylene-d12	15.539	264	586196	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	30870	4.969	ng	-0.01
7) Phenol-d6	6.493	99	44714	6.229	ng	-0.02
23) Nitrobenzene-d5	7.440	82	24022	4.267	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	10515	4.749	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	56162	5.860	ng	0.00
79) Terphenyl-d14	13.022	244	96143	4.728	ng	0.02
Target Compounds						Qvalue
26) 2-Nitrophenol	7.887	139	114	2.755	ng	# 1
51) 2,6-Dinitrotoluene	9.692	165	13257	8.852	ng	# 36
53) 3-Nitroaniline	9.881	138	11212	6.177	ng	# 25
54) 2,4-Dinitrophenol	9.957	184	234	Below Cal		# 1
56) 4-Nitrophenol	10.039	139	3092	2.114	ng	# 1
57) 2,4-Dinitrotoluene	10.104	165	3020	4.196	ng	# 53
62) 4-Nitroaniline	10.392	138	27286	15.986	ng	84
65) 4,6-Dinitro-2-methylph...	10.545	198	1047	5.691	ng	# 1
66) n-Nitrosodiphenylamine	10.592	169	45137	6.519	ng	# 55
69) Atrazine	11.128	200	5177	2.582	ng	# 1
71) Phenanthrene	11.457	178	29466	2.726	ng	# 1
74) Di-n-butylphthalate	11.992	149	60674	5.565	ng	# 32
75) Fluoranthene	12.657	202	31861	2.931	ng	# 22
84) Bis(2-ethylhexyl)phtha...	14.045	149	48314	4.685	ng	# 87
88) Benzo(b)fluoranthene	15.104	252	83224	2.788	ng	# 85
89) Benzo(k)fluoranthene	15.104	252	83224	2.775	ng	# 85

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

Quant Time: Sep 25 17:11:59 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 05:00:00 2025
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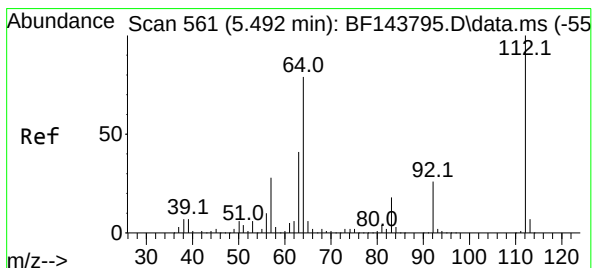
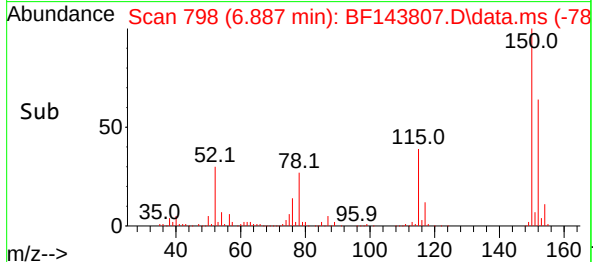
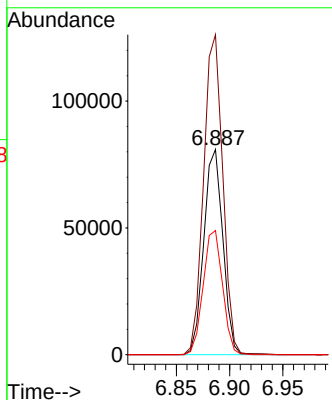
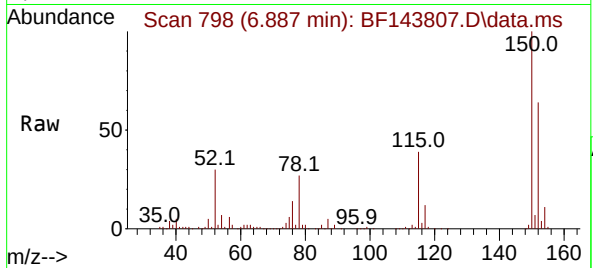




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: BF143807.D
 Acq: 25 Sep 2025 16:51

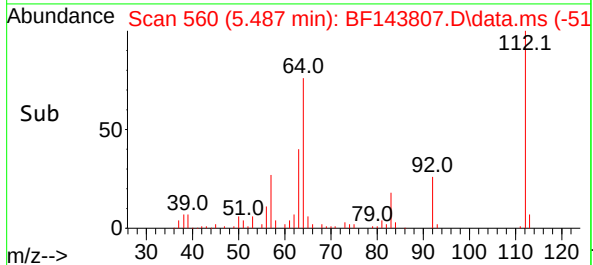
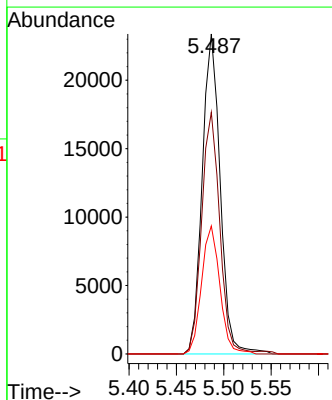
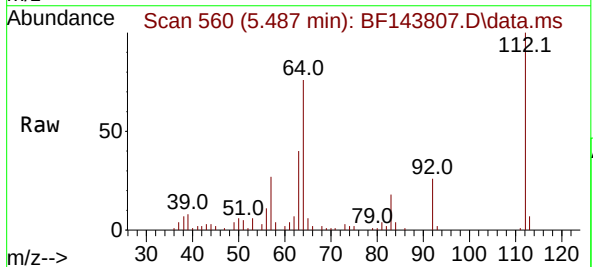
Instrument :
 BNA_F
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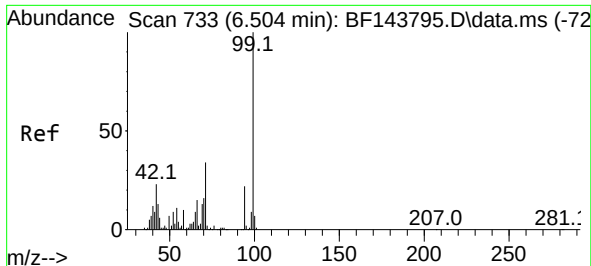
Tgt Ion:152 Resp: 100934
 Ion Ratio Lower Upper
 152 100
 150 155.9 129.6 194.4
 115 60.5 49.0 73.4



#5
 2-Fluorophenol
 Concen: 4.969 ng
 RT: 5.487 min Scan# 560
 Delta R.T. -0.011 min
 Lab File: BF143807.D
 Acq: 25 Sep 2025 16:51

Tgt Ion:112 Resp: 30870
 Ion Ratio Lower Upper
 112 100
 64 75.5 63.0 94.4
 63 40.0 32.6 49.0





#7
Phenol-d6
Concen: 6.229 ng
RT: 6.493 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF143807.D
Acq: 25 Sep 2025 16:51

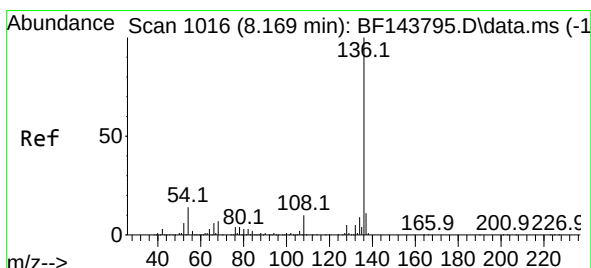
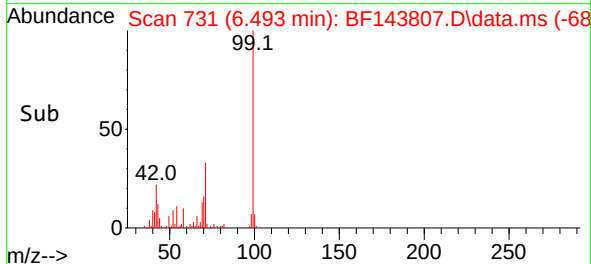
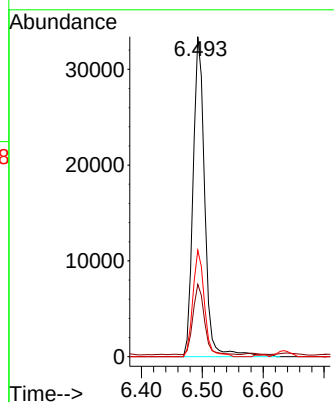
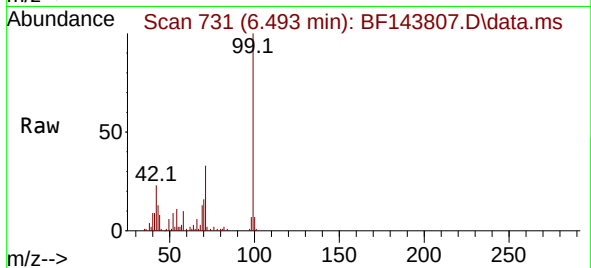
Instrument :

BNA_F

ClientSampleId :

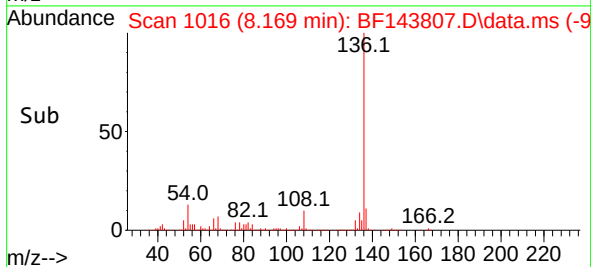
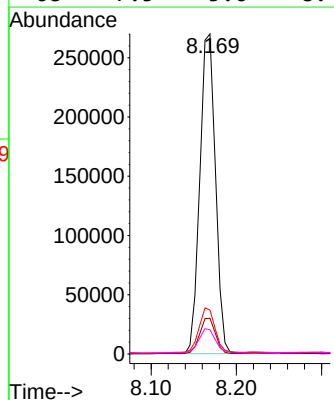
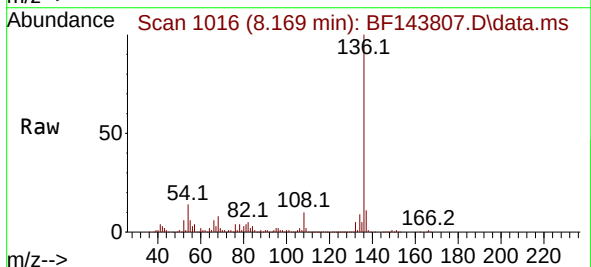
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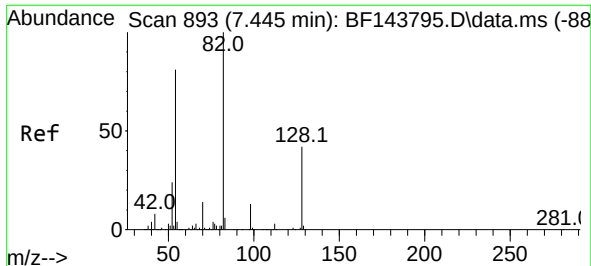
Tgt Ion: 99 Resp: 44714
Ion Ratio Lower Upper
99 100
42 22.6 18.6 28.0
71 33.3 27.0 40.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF143807.D
Acq: 25 Sep 2025 16:51

Tgt Ion: 136 Resp: 344609
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 13.7 11.2 16.8
68 7.5 5.6 8.4

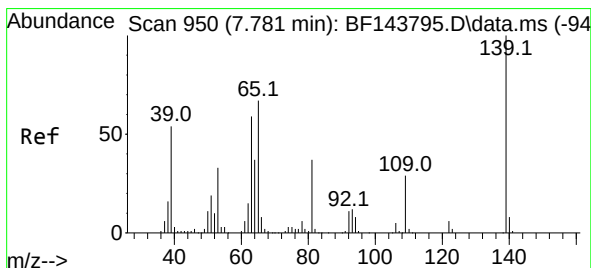
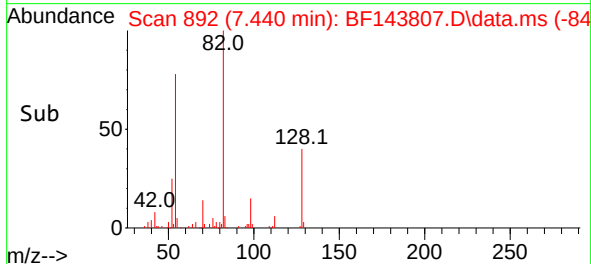
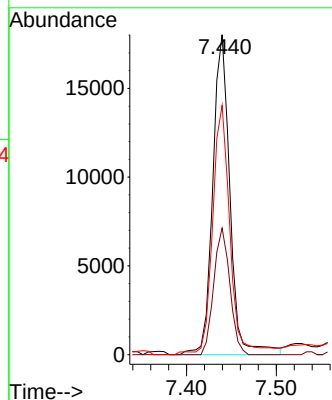
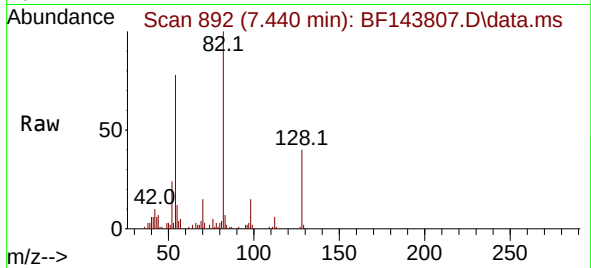




#23
Nitrobenzene-d5
Concen: 4.267 ng
RT: 7.440 min Scan# 893
Delta R.T. -0.011 min
Lab File: BF143807.D
Acq: 25 Sep 2025 16:51

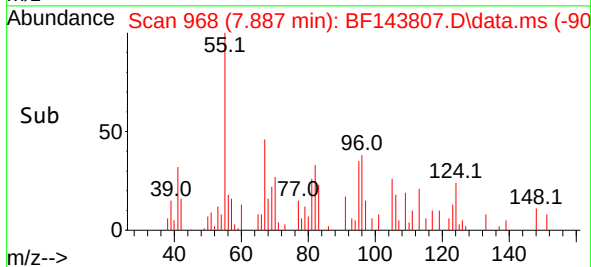
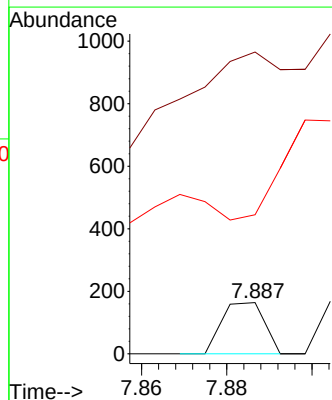
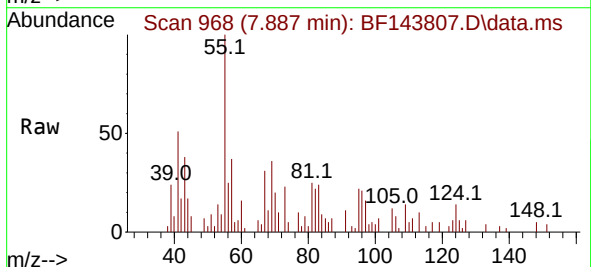
Instrument :
BNA_F
ClientSampleId :
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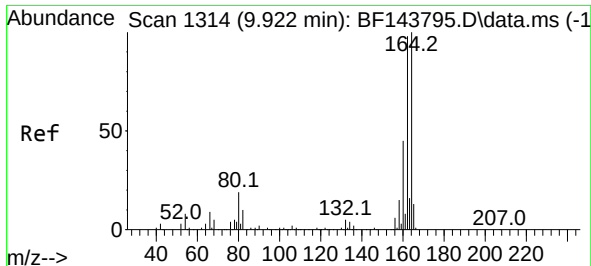
Tgt Ion: 82 Resp: 24022
Ion Ratio Lower Upper
82 100
128 39.6 33.3 49.9
54 77.9 64.2 96.4



#26
2-Nitrophenol
Concen: 2.755 ng
RT: 7.887 min Scan# 968
Delta R.T. 0.101 min
Lab File: BF143807.D
Acq: 25 Sep 2025 16:51

Tgt Ion: 139 Resp: 114
Ion Ratio Lower Upper
139 100
109 588.4 23.3 34.9#
65 271.3 53.8 80.6#

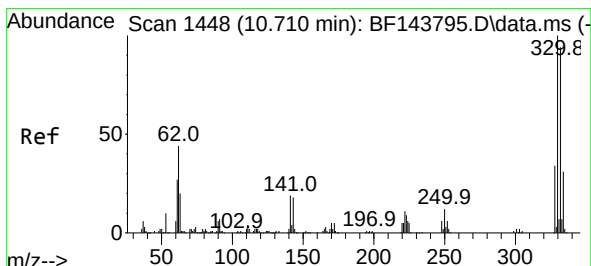
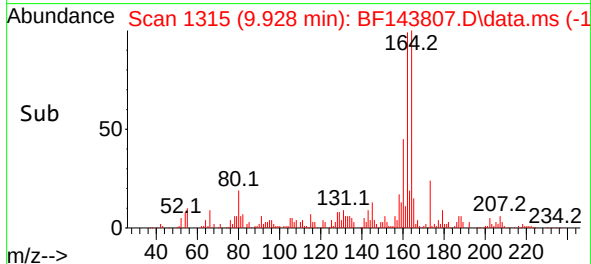
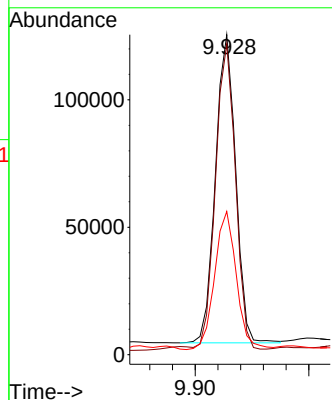
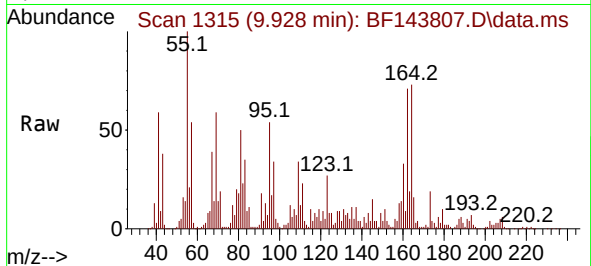




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143807.D
Acq: 25 Sep 2025 16:51

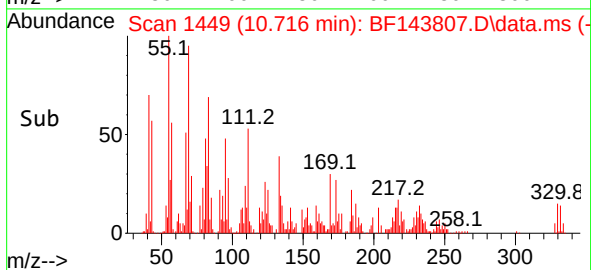
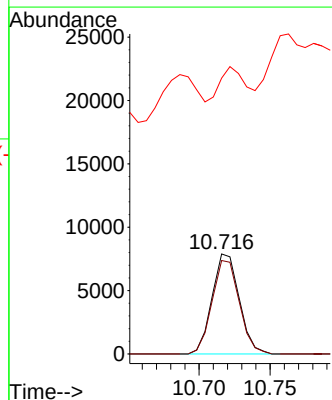
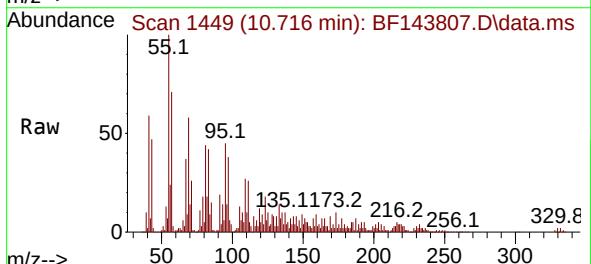
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BNA_F
ClientSampleId :
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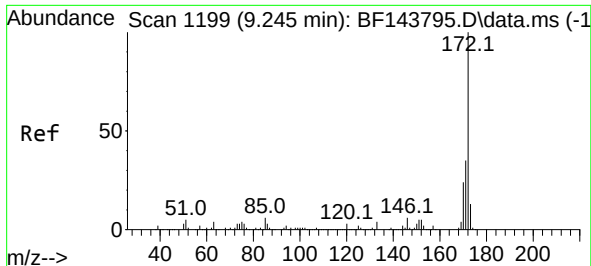
Tgt Ion:164 Resp: 149548
Ion Ratio Lower Upper
164 100
162 97.2 78.8 118.2
160 44.7 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 4.749 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF143807.D
Acq: 25 Sep 2025 16:51

Tgt Ion:330 Resp: 10515
Ion Ratio Lower Upper
330 100
332 93.6 74.7 112.1
141 31.6 14.3 21.5#





#45

2-Fluorobiphenyl

Concen: 5.860 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.005 min

Lab File: BF143807.D

Acq: 25 Sep 2025 16:51

Instrument :

BNA_F

ClientSampleId :

228

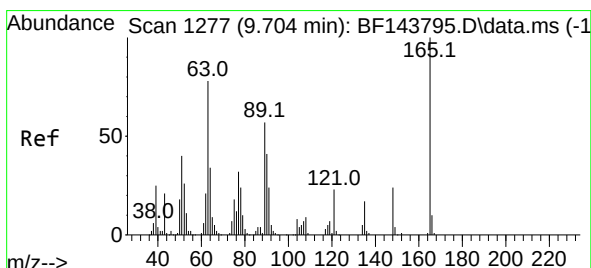
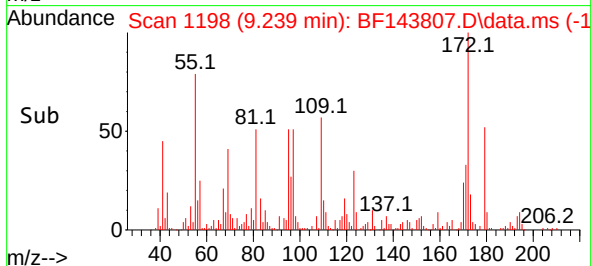
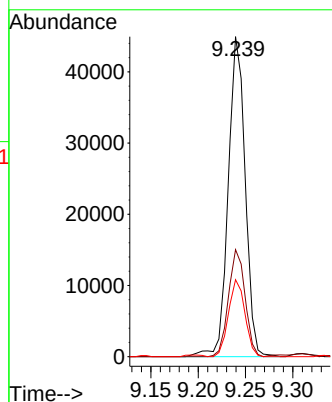
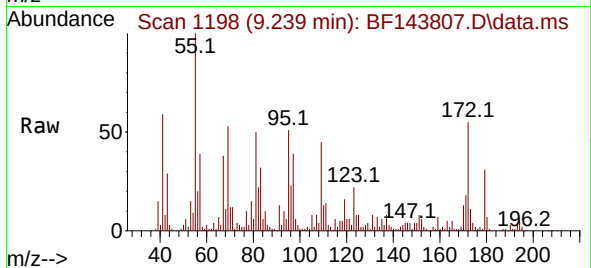
Tgt Ion:172 Resp: 56162

Ion Ratio Lower Upper

172 100

171 33.5 27.9 41.9

170 24.1 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 8.852 ng

RT: 9.692 min Scan# 1275

Delta R.T. -0.012 min

Lab File: BF143807.D

Acq: 25 Sep 2025 16:51

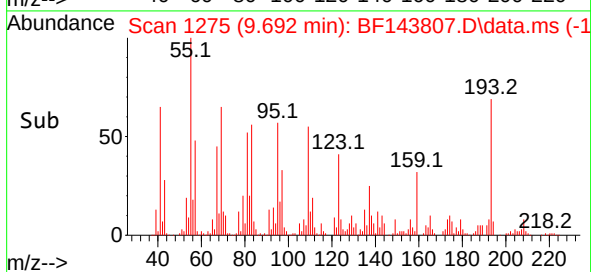
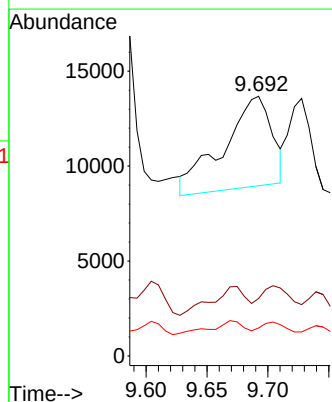
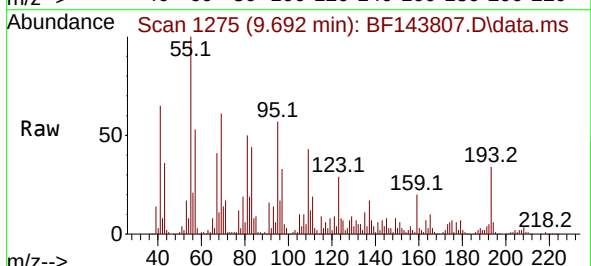
Tgt Ion:165 Resp: 13257

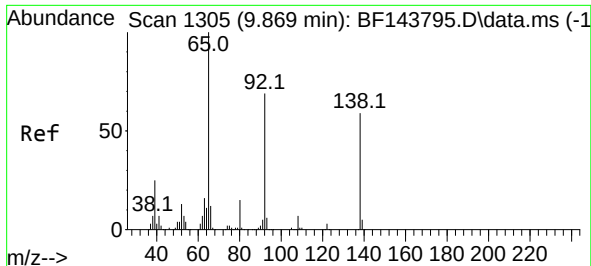
Ion Ratio Lower Upper

165 100

63 22.1 62.6 94.0#

89 10.8 45.2 67.8#

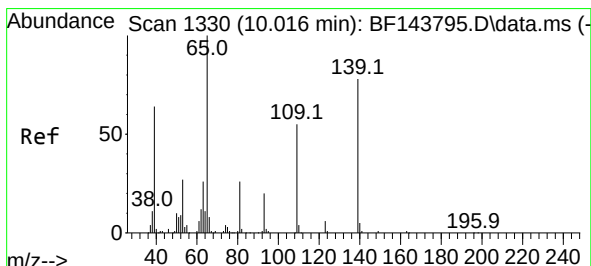
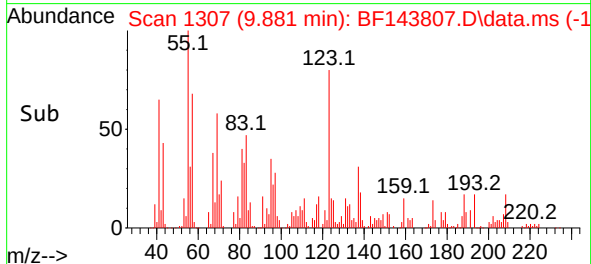
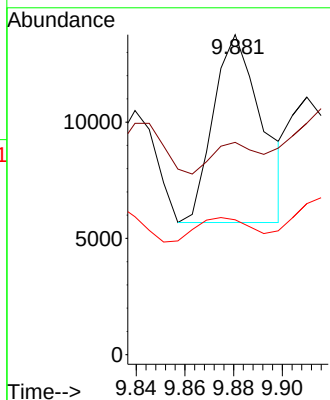
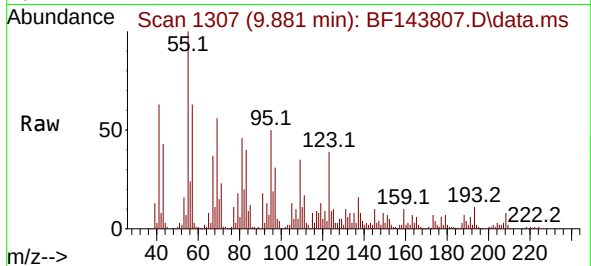




#53
3-Nitroaniline
Concen: 6.177 ng
RT: 9.881 min Scan# 111
Delta R.T. 0.006 min
Lab File: BF143807.D
Acq: 25 Sep 2025 16:51

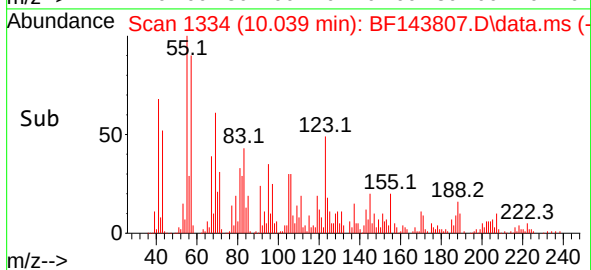
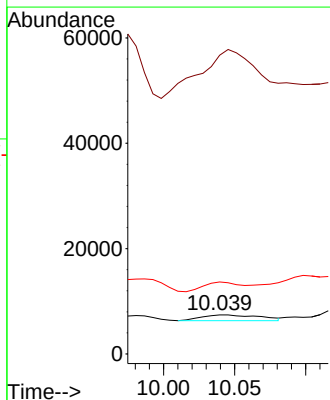
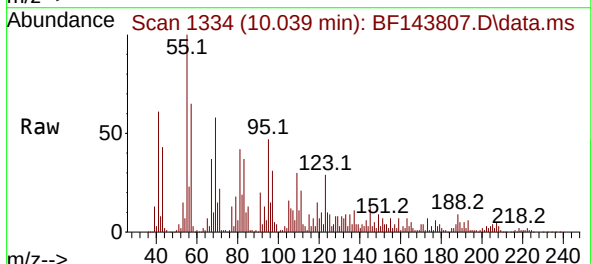
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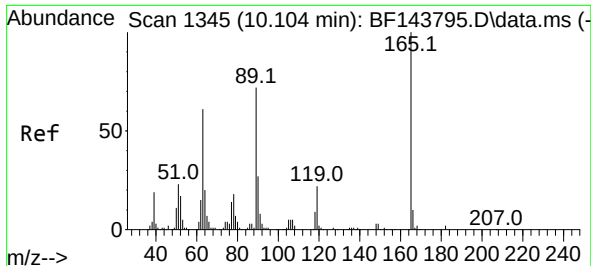
Tgt Ion:138 Resp: 11212
Ion Ratio Lower Upper
138 100
108 66.4 9.9 14.9#
92 42.2 93.5 140.3#



#56
4-Nitrophenol
Concen: 2.114 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.018 min
Lab File: BF143807.D
Acq: 25 Sep 2025 16:51

Tgt Ion:139 Resp: 3092
Ion Ratio Lower Upper
139 100
109 764.6 50.2 90.2#
65 184.3 109.2 149.2#

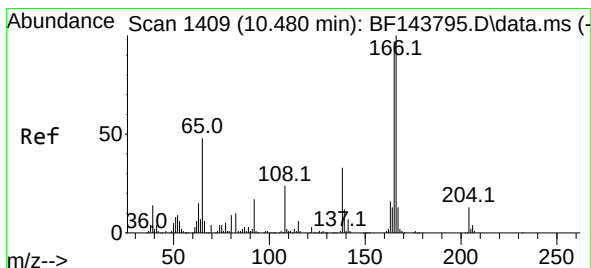
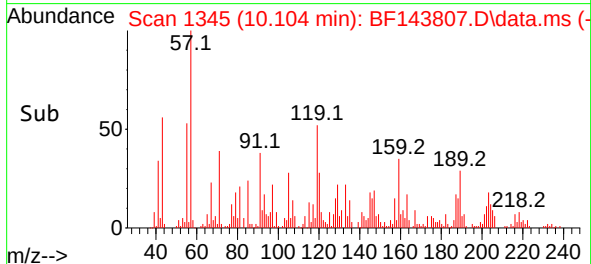
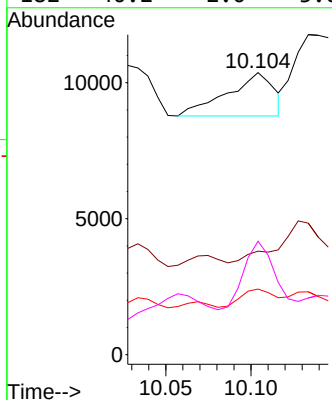
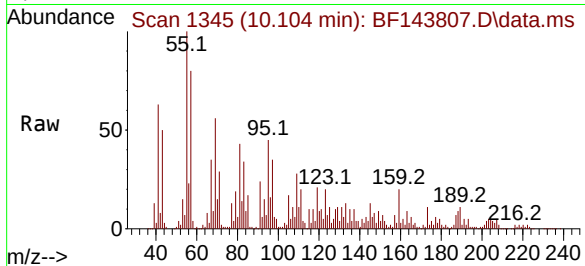




#57
2,4-Dinitrotoluene
Concen: 4.196 ng
RT: 10.104 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143807.D
Acq: 25 Sep 2025 16:51

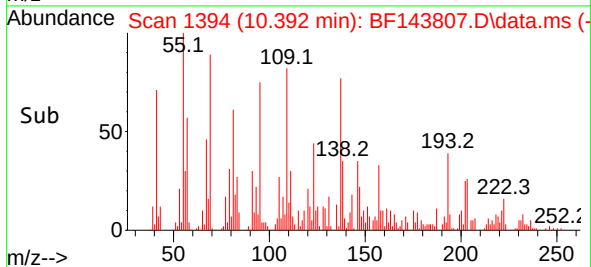
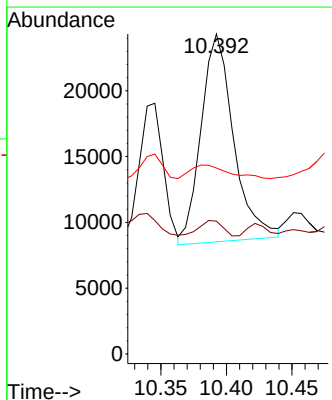
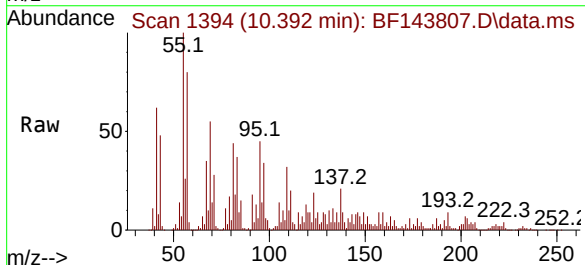
Instrument :
BNA_F
ClientSampleId :
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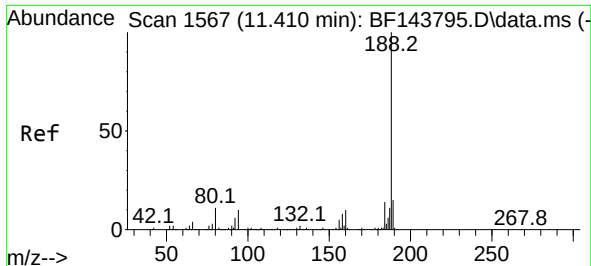
Tgt Ion:165 Resp: 3020
Ion Ratio Lower Upper
165 100
63 36.7 48.9 73.3#
89 23.2 57.5 86.3#
182 40.2 2.0 3.0#



#62
4-Nitroaniline
Concen: 15.986 ng
RT: 10.392 min Scan# 1394
Delta R.T. -0.100 min
Lab File: BF143807.D
Acq: 25 Sep 2025 16:51

Tgt Ion:138 Resp: 27286
Ion Ratio Lower Upper
138 100
92 41.5 31.5 71.5
108 58.1 51.9 91.9

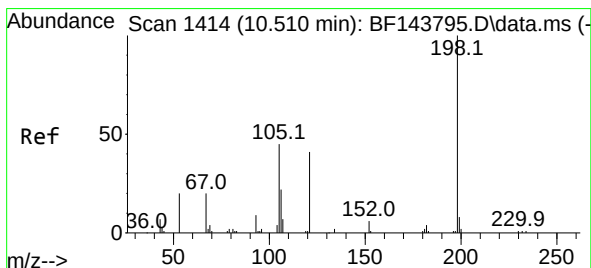
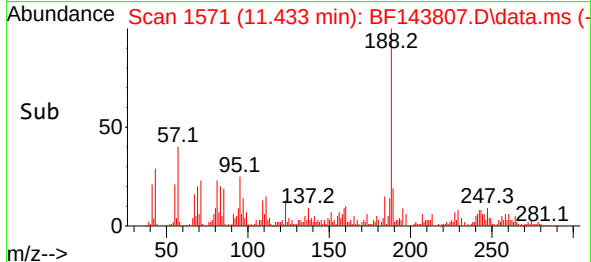
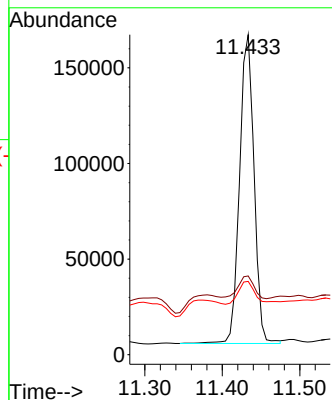
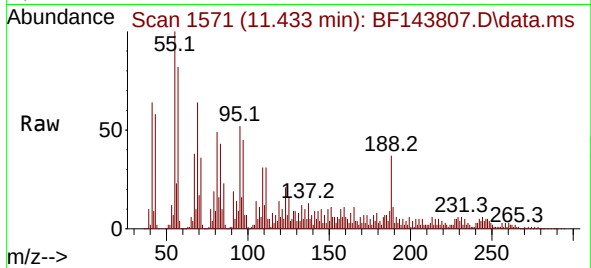




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 11
Delta R.T. 0.017 min
Lab File: BF143807.D
Acq: 25 Sep 2025 16:51

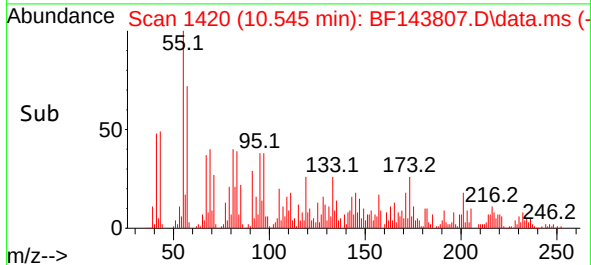
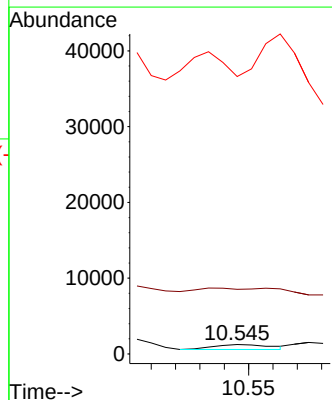
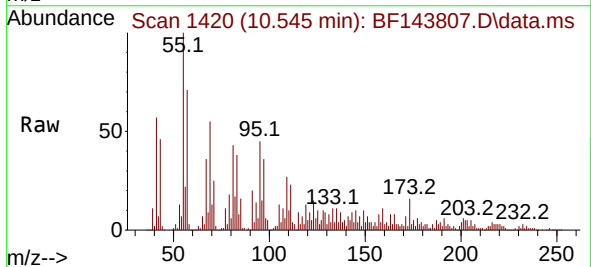
Instrument :
BNA_F
ClientSampleId :
228

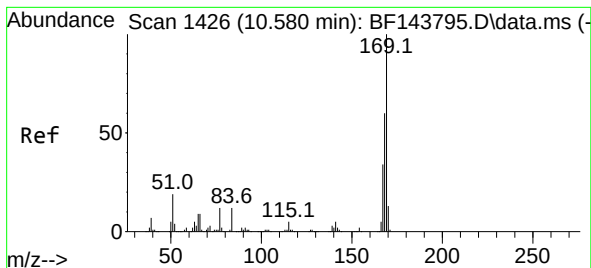
Tgt Ion:188 Resp: 210535
Ion Ratio Lower Upper
188 100
94 24.6 8.2 12.2#
80 22.9 8.6 12.8#



#65
4,6-Dinitro-2-methylphenol
Concen: 5.691 ng
RT: 10.545 min Scan# 1420
Delta R.T. 0.029 min
Lab File: BF143807.D
Acq: 25 Sep 2025 16:51

Tgt Ion:198 Resp: 1047
Ion Ratio Lower Upper
198 100
51 690.3 52.0 92.0#
105 2960.1 27.5 67.5#

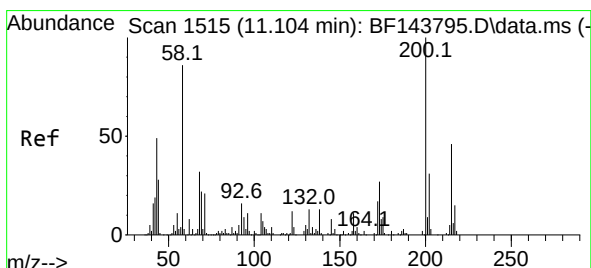
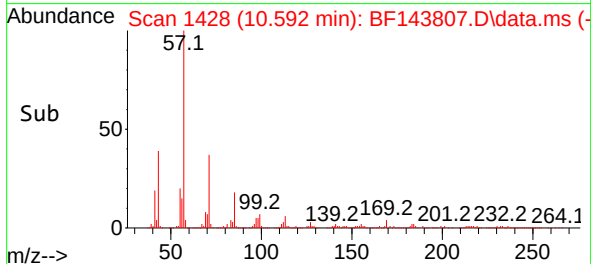
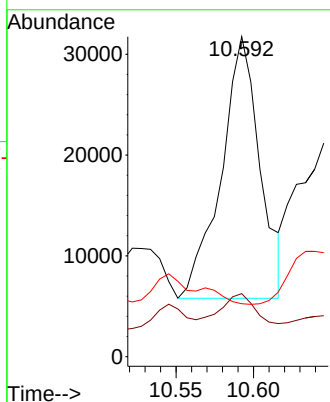
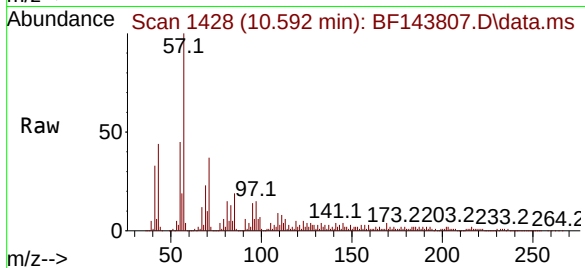




#66
n-Nitrosodiphenylamine
Concen: 6.519 ng
RT: 10.592 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF143807.D
Acq: 25 Sep 2025 16:51

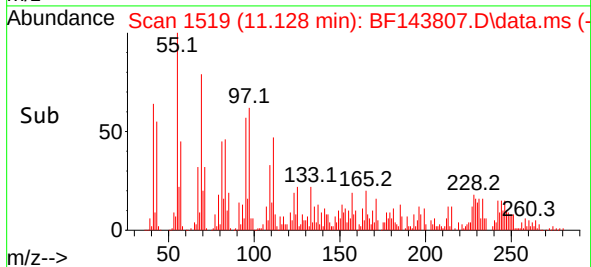
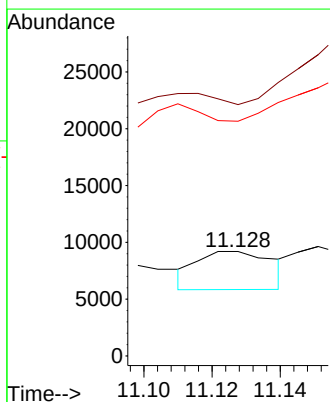
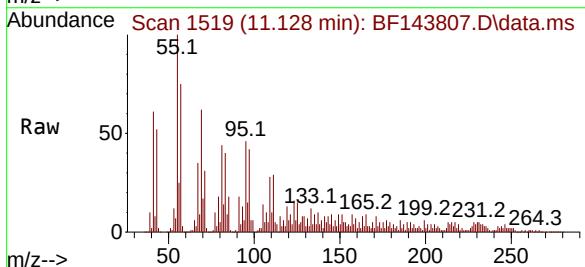
Instrument :
BNA_F
ClientSampleId :
228

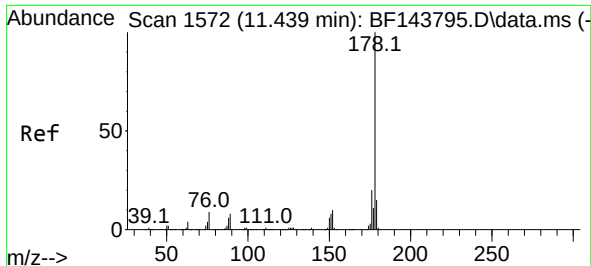
Tgt Ion:169 Resp: 45137
Ion Ratio Lower Upper
169 100
168 19.7 47.9 71.9#
167 16.5 27.0 40.6#



#69
Atrazine
Concen: 2.582 ng
RT: 11.128 min Scan# 1519
Delta R.T. 0.018 min
Lab File: BF143807.D
Acq: 25 Sep 2025 16:51

Tgt Ion:200 Resp: 5177
Ion Ratio Lower Upper
200 100
173 240.4 7.2 47.2#
215 224.5 26.0 66.0#

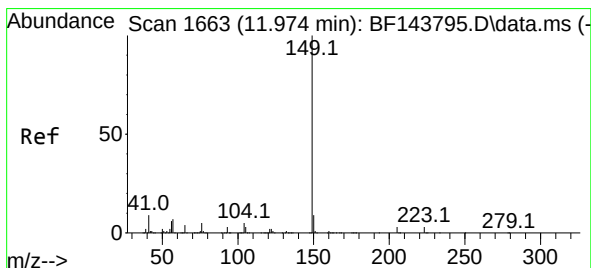
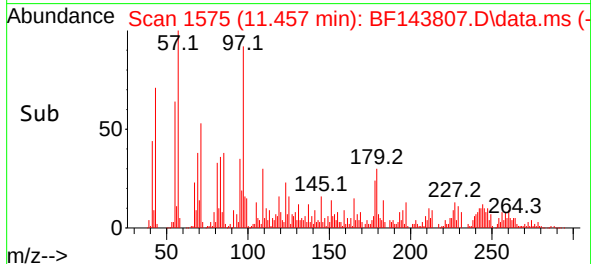
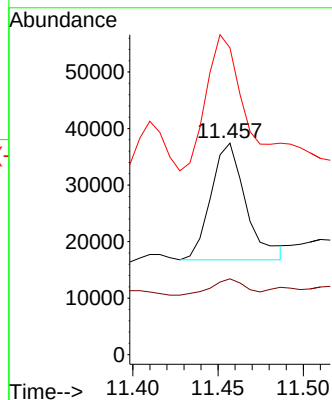
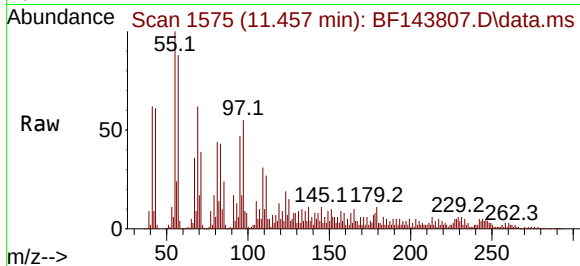




#71
Phenanthrene
Concen: 2.726 ng
RT: 11.457 min Scan# 1575
Delta R.T. 0.018 min
Lab File: BF143807.D
Acq: 25 Sep 2025 16:51

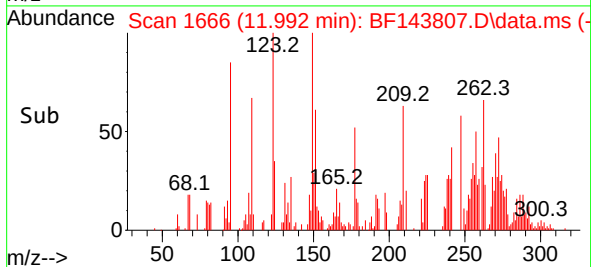
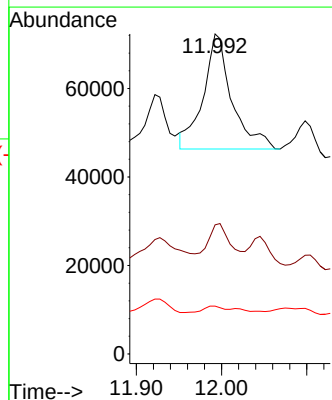
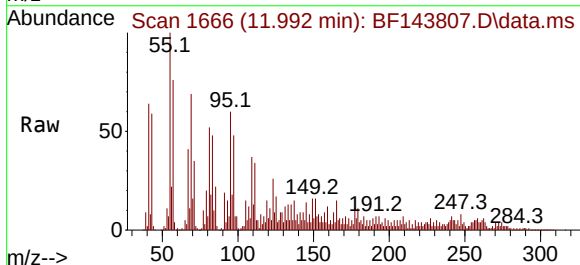
Instrument :
BNA_F
ClientSampleId :
228

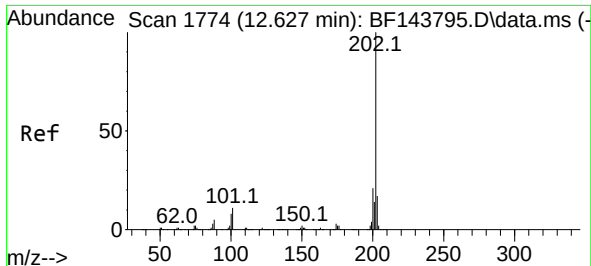
Tgt Ion:178 Resp: 29466
Ion Ratio Lower Upper
178 100
176 35.9 15.6 23.4#
179 145.1 12.2 18.4#



#74
Di-n-butylphthalate
Concen: 5.565 ng
RT: 11.992 min Scan# 1666
Delta R.T. 0.018 min
Lab File: BF143807.D
Acq: 25 Sep 2025 16:51

Tgt Ion:149 Resp: 60674
Ion Ratio Lower Upper
149 100
150 40.3 7.3 10.9#
104 15.0 3.6 5.4#

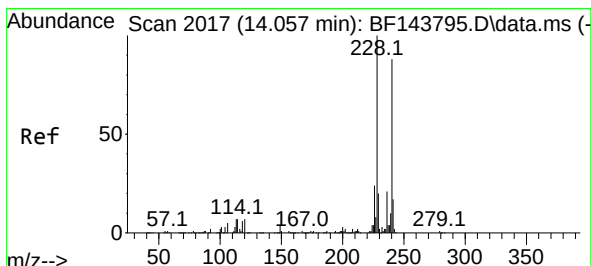
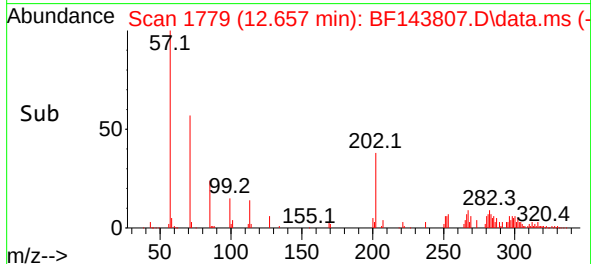
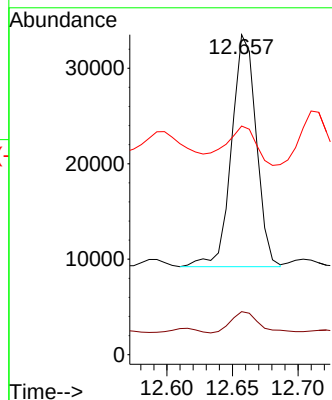
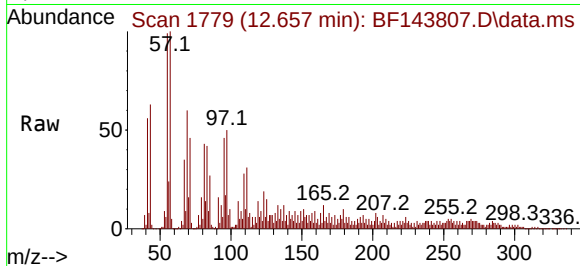




#75
Fluoranthene
Concen: 2.931 ng
RT: 12.657 min Scan# 11
Delta R.T. 0.030 min
Lab File: BF143807.D
Acq: 25 Sep 2025 16:51

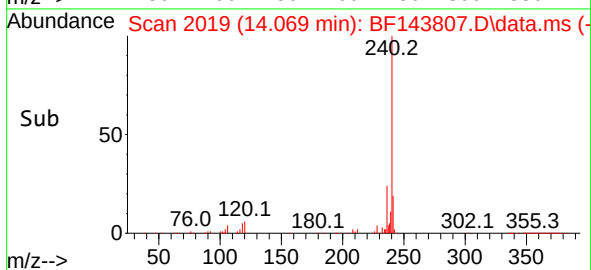
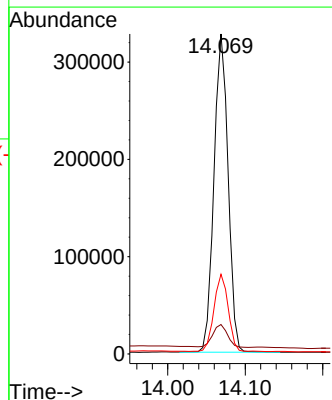
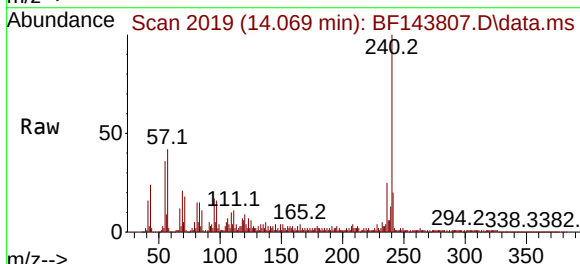
Instrument :
BNA_F
ClientSampleId :
228

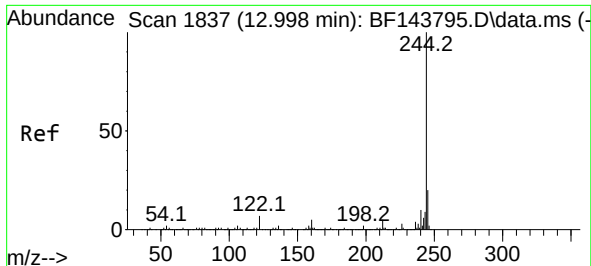
Tgt Ion:202 Resp: 31861
Ion Ratio Lower Upper
202 100
101 13.5 0.0 31.1
203 71.5 0.0 37.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.006 min
Lab File: BF143807.D
Acq: 25 Sep 2025 16:51

Tgt Ion:240 Resp: 413593
Ion Ratio Lower Upper
240 100
120 9.2 6.2 9.4
236 24.9 19.4 29.2

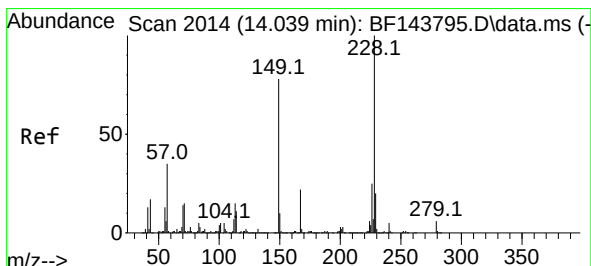
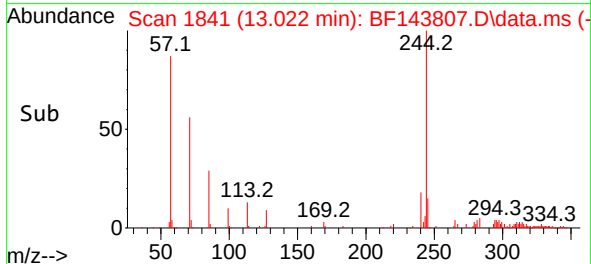
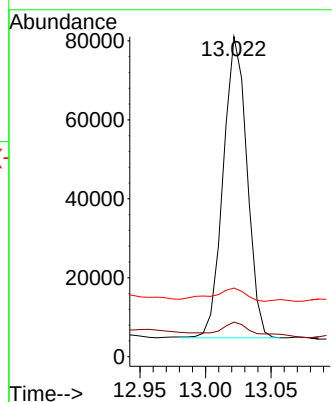
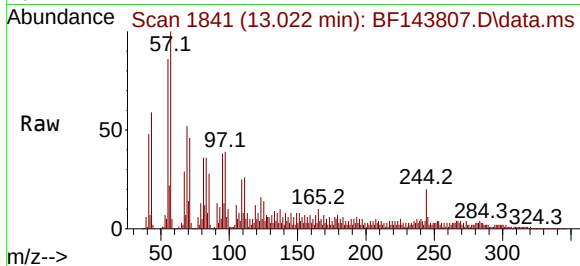




#79
 Terphenyl-d14
 Concen: 4.728 ng
 RT: 13.022 min Scan# 1837
 Delta R.T. 0.018 min
 Lab File: BF143807.D
 Acq: 25 Sep 2025 16:51

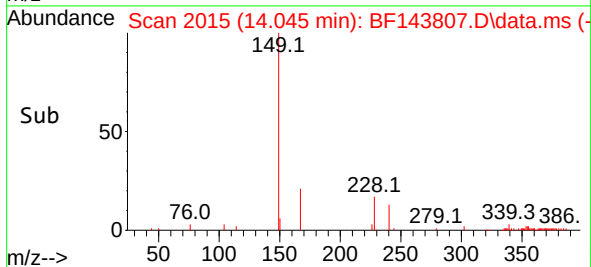
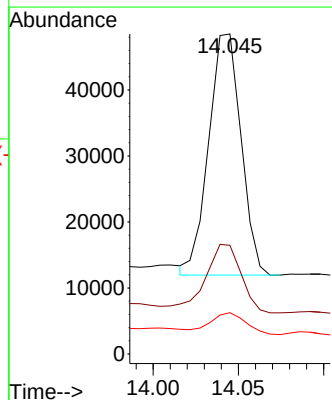
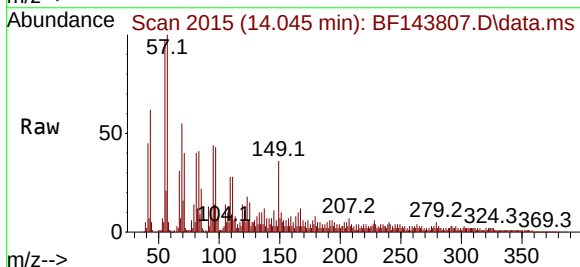
Instrument :
 BNA_F
 ClientSampleId :
 228

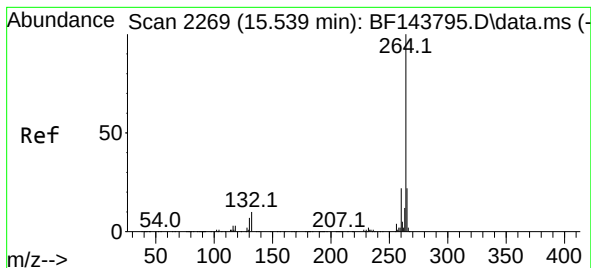
Tgt Ion:244 Resp: 96143
 Ion Ratio Lower Upper
 244 100
 212 10.8 3.9 5.9#
 122 21.5 5.6 8.4#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.685 ng
 RT: 14.045 min Scan# 2015
 Delta R.T. 0.006 min
 Lab File: BF143807.D
 Acq: 25 Sep 2025 16:51

Tgt Ion:149 Resp: 48314
 Ion Ratio Lower Upper
 149 100
 167 34.0 22.2 33.2#
 279 12.9 6.0 9.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF143807.D

Acq: 25 Sep 2025 16:51

Instrument :

BNA_F

ClientSampleId :

228

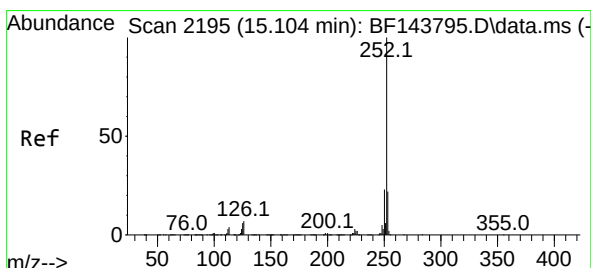
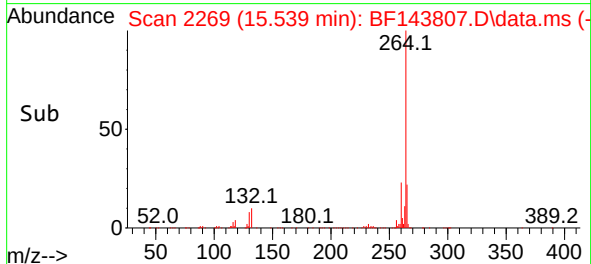
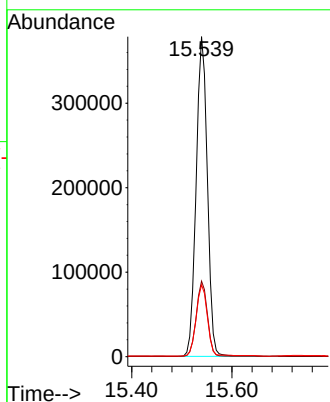
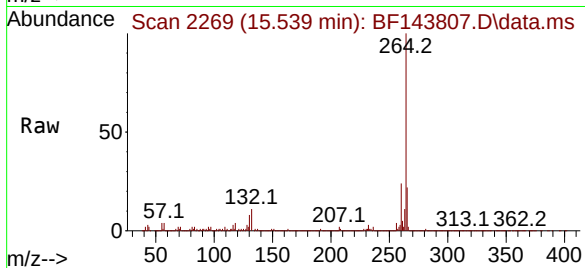
Tgt Ion:264 Resp: 586196

Ion Ratio Lower Upper

264 100

260 23.6 17.9 26.9

265 22.5 17.7 26.5



#88

Benzo(b)fluoranthene

Concen: 2.788 ng

RT: 15.104 min Scan# 2195

Delta R.T. 0.000 min

Lab File: BF143807.D

Acq: 25 Sep 2025 16:51

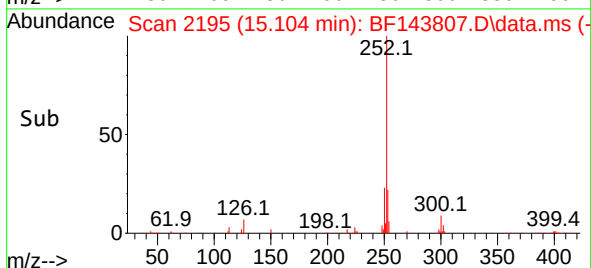
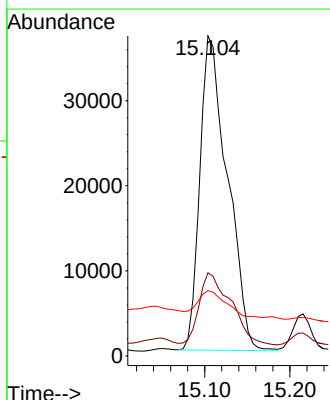
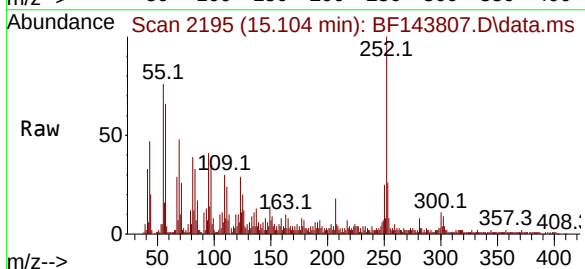
Tgt Ion:252 Resp: 83224

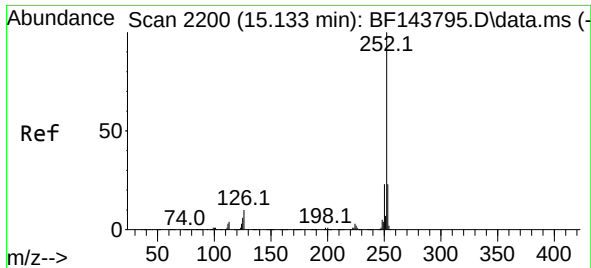
Ion Ratio Lower Upper

252 100

253 26.0 17.8 26.8

125 20.4 4.4 6.6#





#89

Benzo(k)fluoranthene

Concen: 2.775 ng

RT: 15.104 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF143807.D

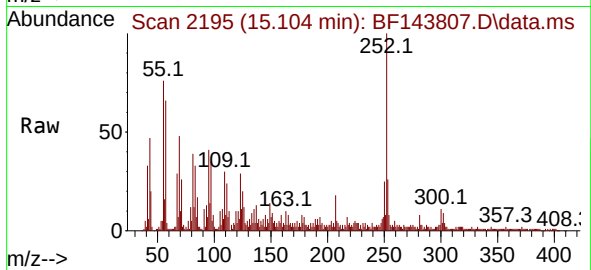
Acq: 25 Sep 2025 16:51

Instrument :

BNA_F

ClientSampleId :

228



Tgt Ion:252 Resp: 83224

Ion Ratio Lower Upper

252 100

253 26.0 17.9 26.9

125 20.4 4.6 6.8#

