

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
 Data File : BF143811.D
 Acq On : 25 Sep 2025 18:51
 Operator : RC/JU
 Sample : Q3183-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4

Quant Time: Sep 25 23:24:03 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)

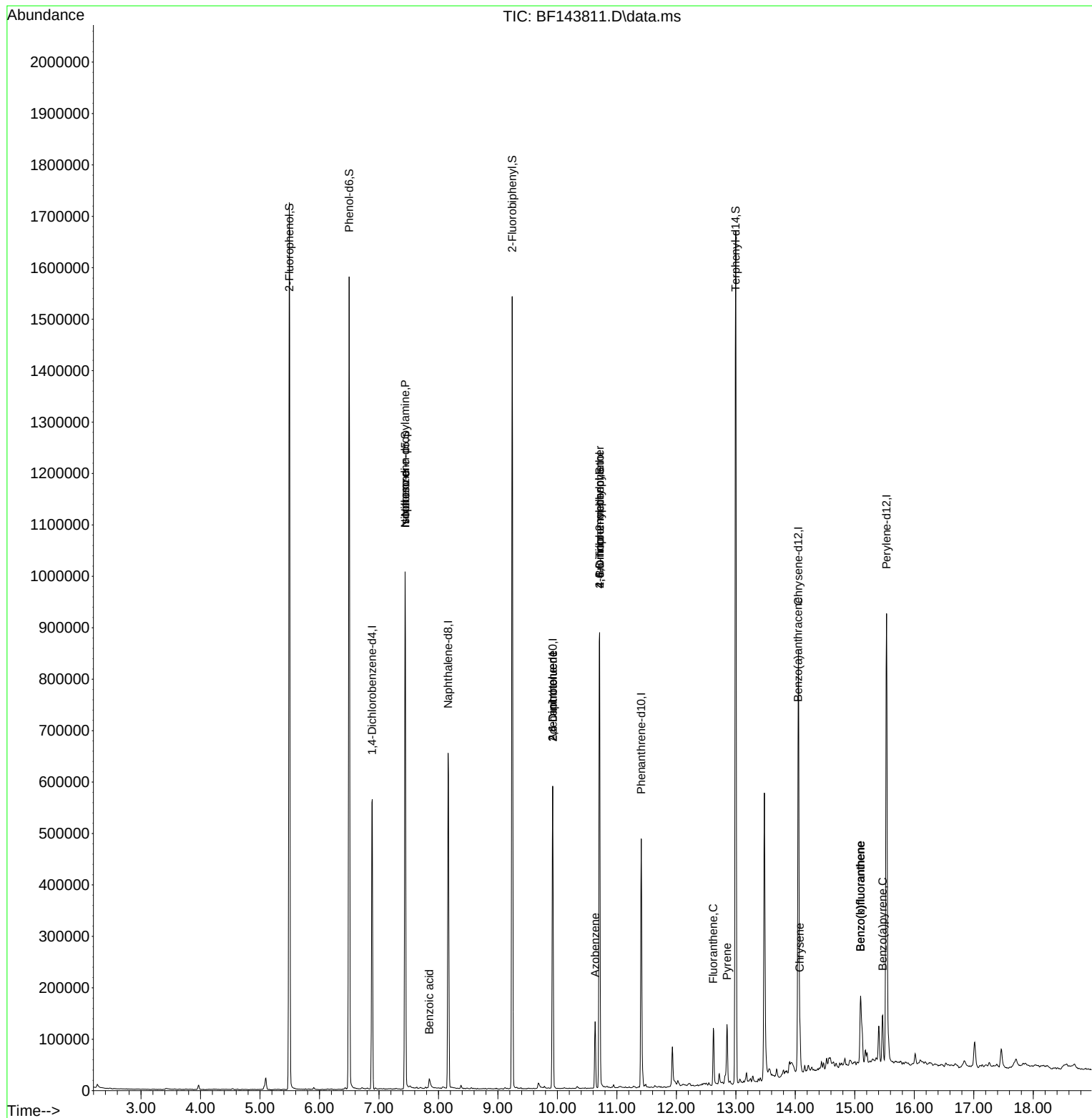
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	114574	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	393692	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	168973	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	246378	20.000	ng	0.00
76) Chrysene-d12	14.051	240	410102	20.000	ng	-0.01
86) Perylene-d12	15.533	264	588320	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	573221	81.285	ng	0.00
7) Phenol-d6	6.498	99	660311	81.038	ng	-0.01
23) Nitrobenzene-d5	7.440	82	384587	59.796	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	202257	80.841	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	664710	61.387	ng	0.00
79) Terphenyl-d14	12.998	244	899681	44.616	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	53913	10.289	ng	# 74
25) Isophorone	7.440	82	380333	30.346	ng	# 66
32) Benzoic acid	7.845	122	8511	3.149	ng	94
51) 2,6-Dinitrotoluene	9.922	165	21231	12.547	ng	# 17
57) 2,4-Dinitrotoluene	9.922	165	21231	10.859	ng	# 20
63) Azobenzene	10.633	77	31885	3.138	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.710	198	151	4.352	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	10563	2.516	ng	# 1
75) Fluoranthene	12.622	202	63718	5.008	ng	99
78) Pyrene	12.851	202	66038	3.275	ng	99
81) Benzo(a)anthracene	14.045	228	51321	2.329	ng	98
83) Chrysene	14.074	228	50918	2.554	ng	98
88) Benzo(b)fluoranthene	15.098	252	130818	4.366	ng	99
89) Benzo(k)fluoranthene	15.098	252	130818	4.346	ng	99
90) Benzo(a)pyrene	15.468	252	67051	2.381	ng	98

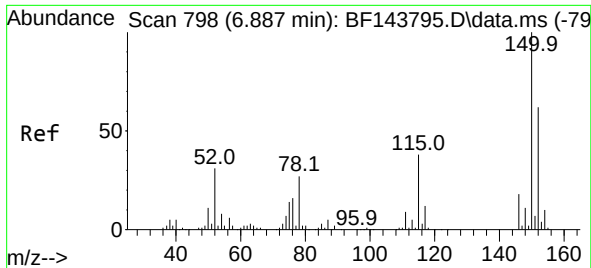
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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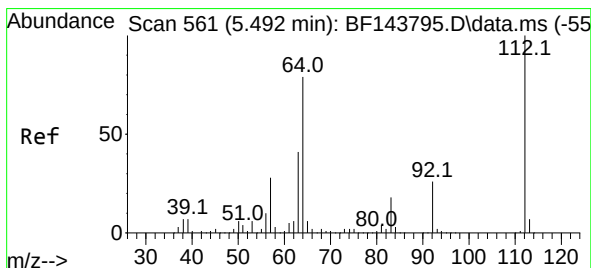
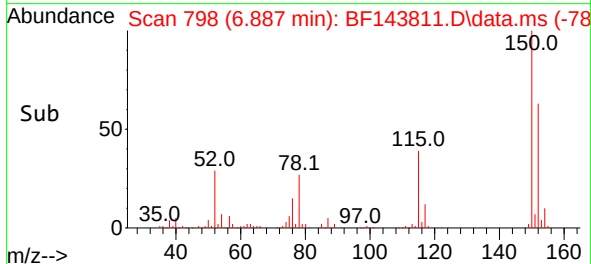
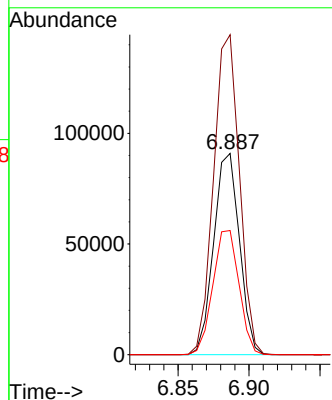
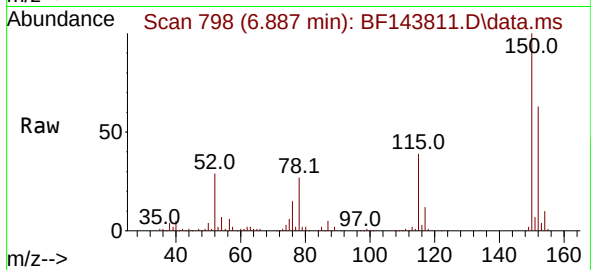




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: BF143811.D
 Acq: 25 Sep 2025 18:51

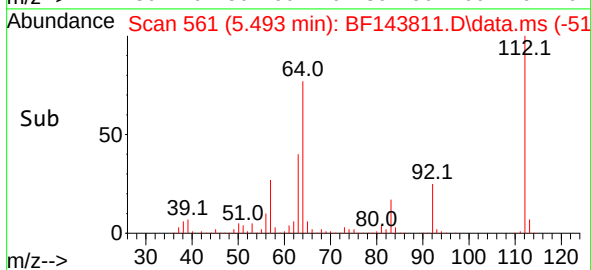
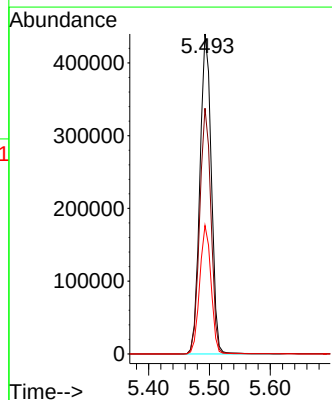
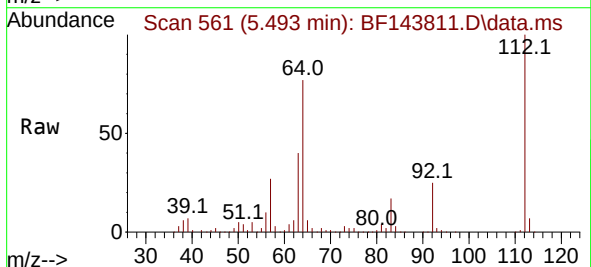
Instrument :
 BNA_F
 ClientSampleId :
 WC-4

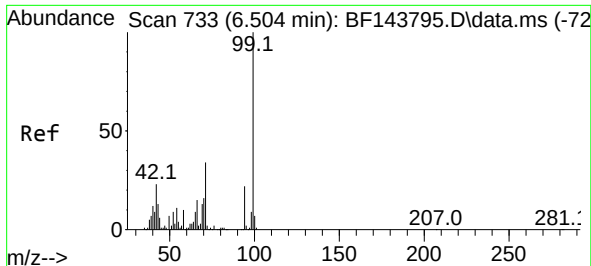
Tgt Ion:152 Resp: 114574
 Ion Ratio Lower Upper
 152 100
 150 159.0 129.6 194.4
 115 61.7 49.0 73.4



#5
 2-Fluorophenol
 Concen: 81.285 ng
 RT: 5.493 min Scan# 561
 Delta R.T. -0.005 min
 Lab File: BF143811.D
 Acq: 25 Sep 2025 18:51

Tgt Ion:112 Resp: 573221
 Ion Ratio Lower Upper
 112 100
 64 76.8 63.0 94.4
 63 40.1 32.6 49.0

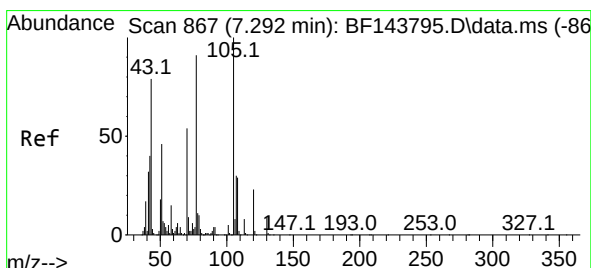
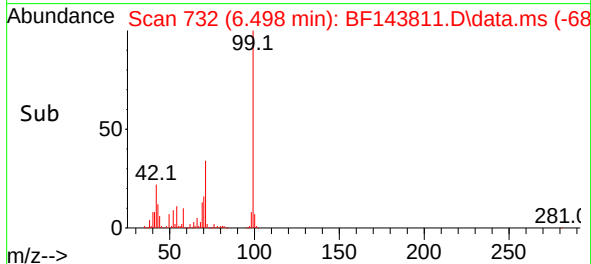
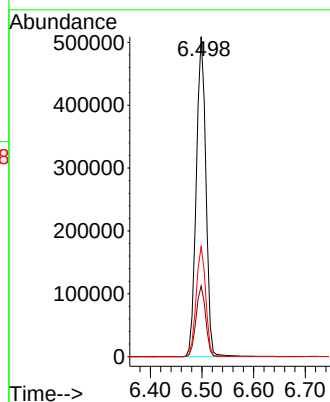
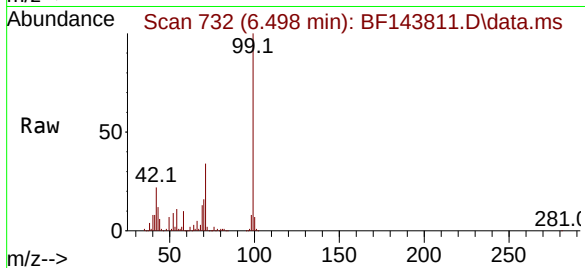




#7
Phenol-d6
Concen: 81.038 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51

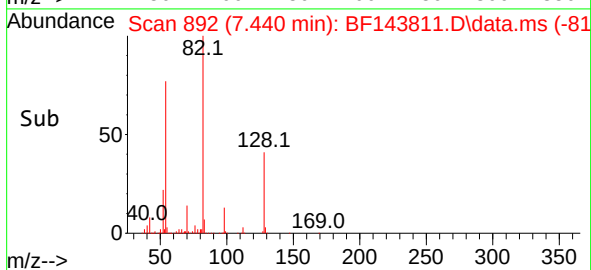
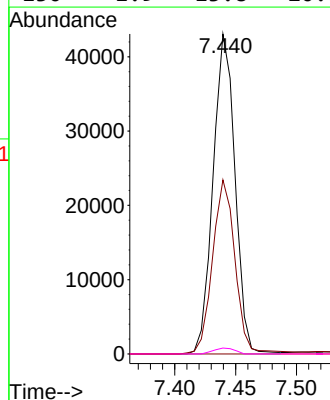
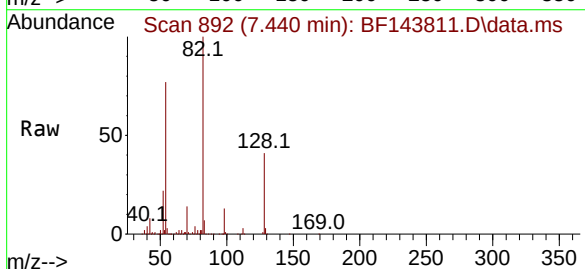
Instrument :
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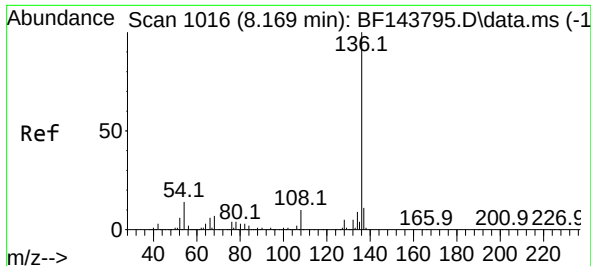
Tgt Ion: 99 Resp: 660311
Ion Ratio Lower Upper
99 100
42 22.1 18.6 28.0
71 34.4 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.289 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51

Tgt Ion: 70 Resp: 53913
Ion Ratio Lower Upper
70 100
42 54.4 59.4 89.0#
101 0.0 7.1 10.7#
130 1.9 13.8 20.8#

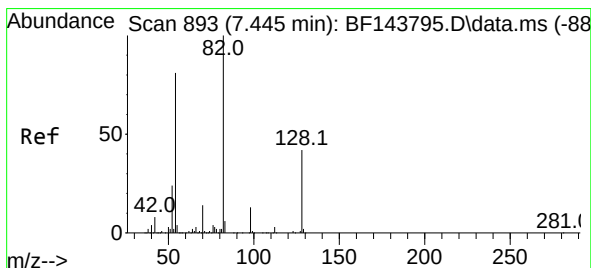
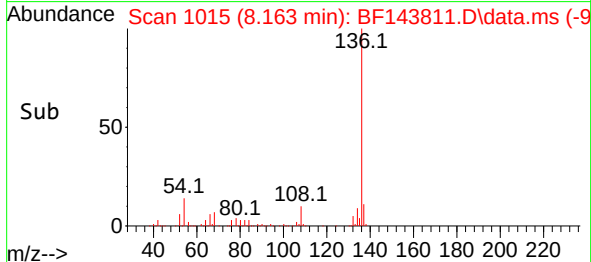
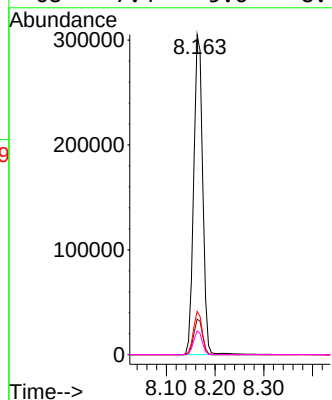
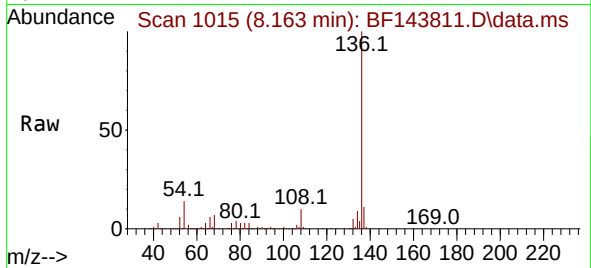




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51

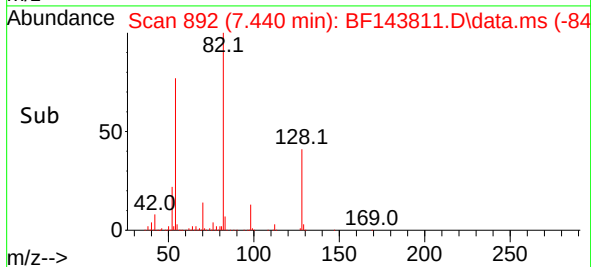
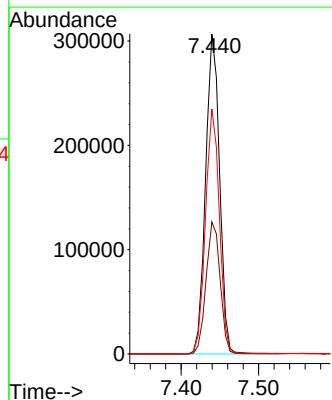
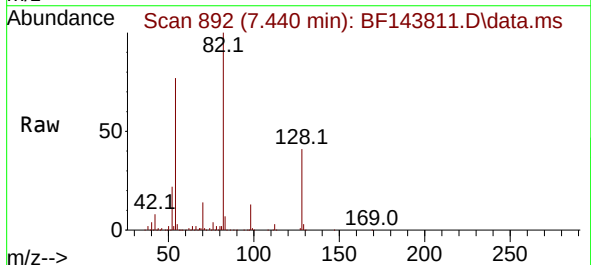
Instrument :
BNA_F
ClientSampleId :
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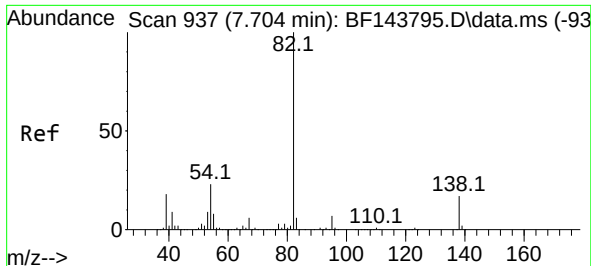
Tgt	Ion:136	Resp:	393692
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	13.5	11.2	16.8
68	7.4	5.6	8.4



#23
Nitrobenzene-d5
Concen: 59.796 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.011 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51

Tgt Ion: 82	Resp: 384587
Ion Ratio	Lower Upper
82 100	
128 41.2	33.3 49.9
54 76.5	64.2 96.4

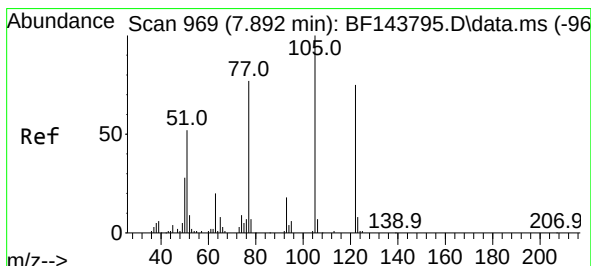
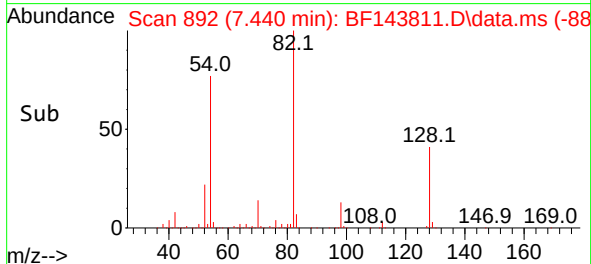
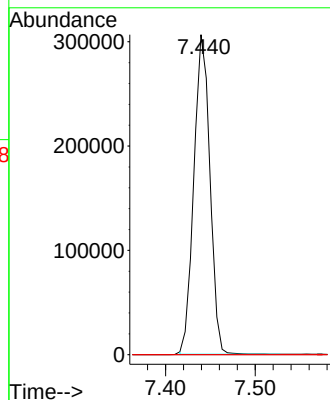
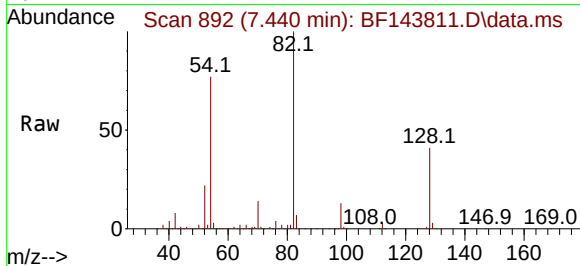




#25
Isophorone
Concen: 30.346 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.270 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51

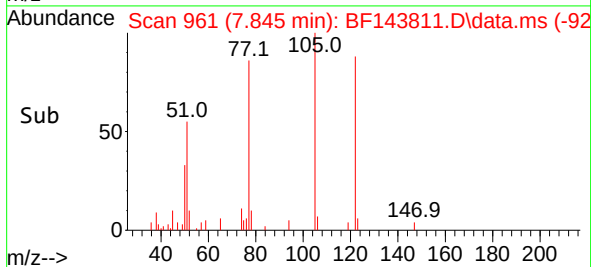
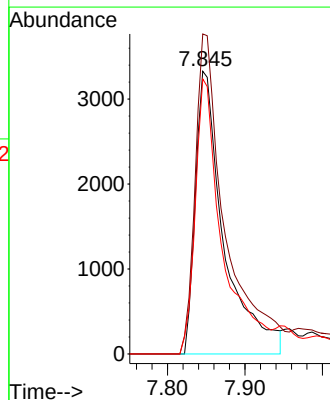
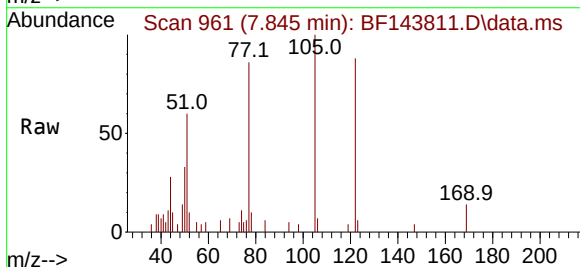
Instrument :
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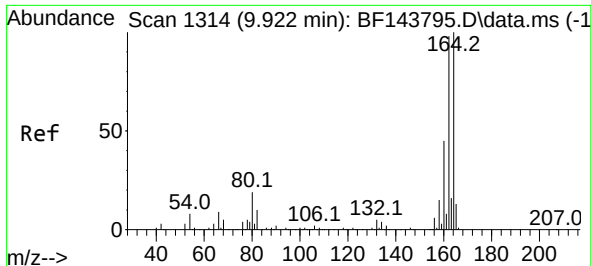
Tgt Ion: 82 Resp: 380333
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 13.7 20.5#



#32
Benzoic acid
Concen: 3.149 ng
RT: 7.845 min Scan# 961
Delta R.T. -0.076 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51

Tgt Ion: 122 Resp: 8511
Ion Ratio Lower Upper
122 100
105 113.2 103.7 143.7
77 97.3 78.8 118.8

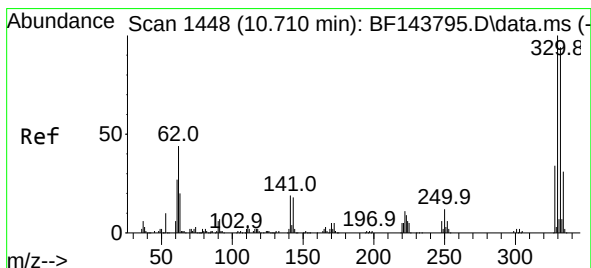
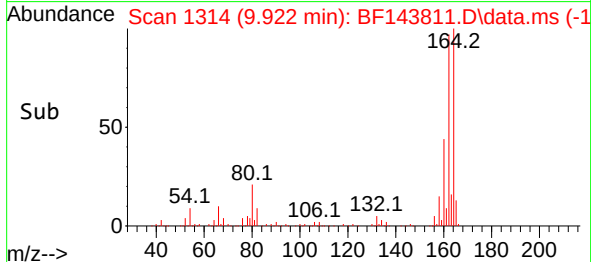
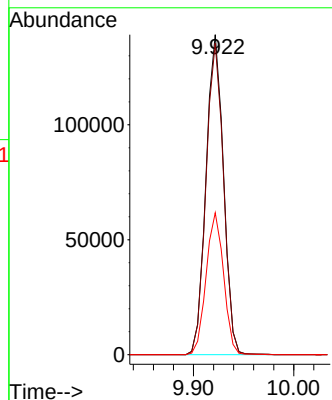
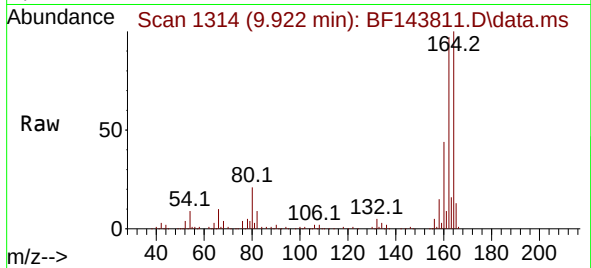




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51

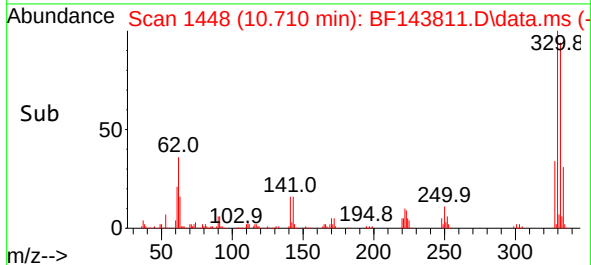
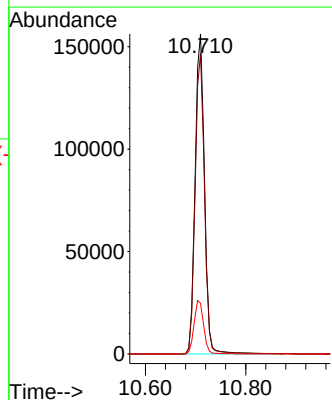
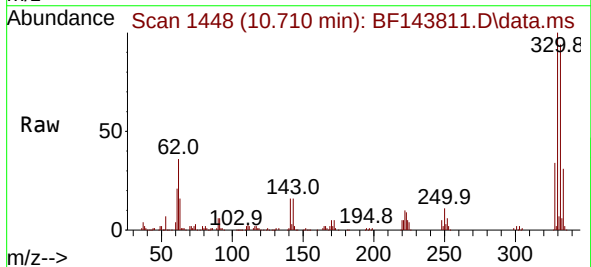
Instrument :
BNA_F
ClientSampleId :
WC-4

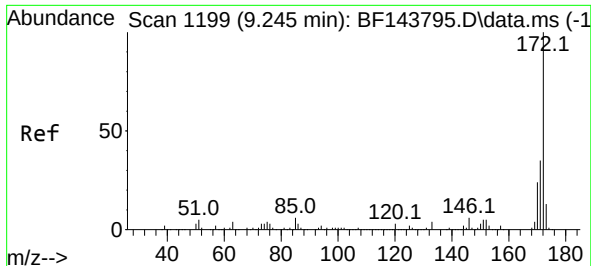
Tgt Ion:164 Resp: 168973
Ion Ratio Lower Upper
164 100
162 97.3 78.8 118.2
160 44.3 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 80.841 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51

Tgt Ion:330 Resp: 202257
Ion Ratio Lower Upper
330 100
332 93.6 74.7 112.1
141 17.0 14.3 21.5





#45

2-Fluorobiphenyl

Concen: 61.387 ng

RT: 9.239 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF143811.D

Acq: 25 Sep 2025 18:51

Instrument :

BNA_F

ClientSampleId :

WC-4

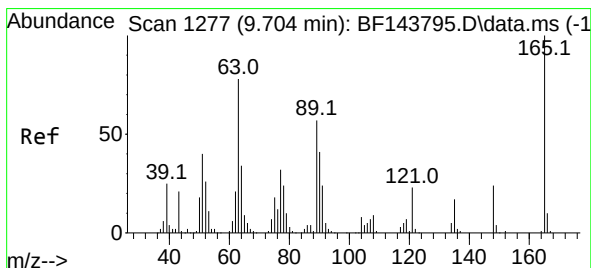
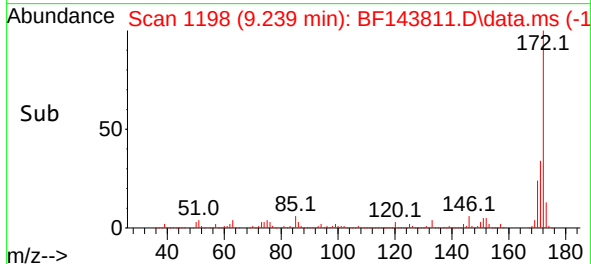
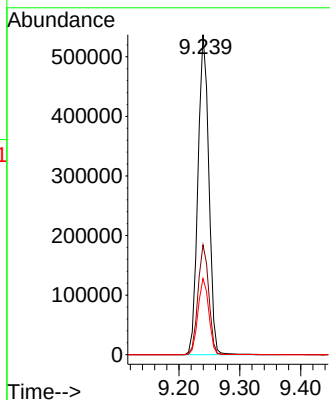
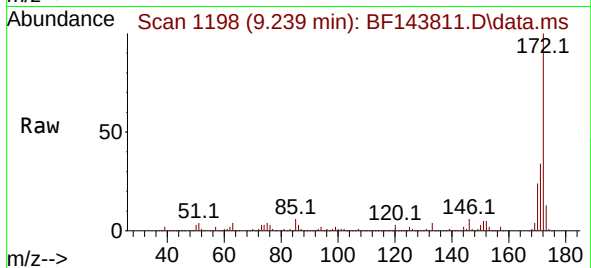
Tgt Ion:172 Resp: 664710

Ion Ratio Lower Upper

172 100

171 34.3 27.9 41.9

170 23.8 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 12.547 ng

RT: 9.922 min Scan# 1314

Delta R.T. 0.218 min

Lab File: BF143811.D

Acq: 25 Sep 2025 18:51

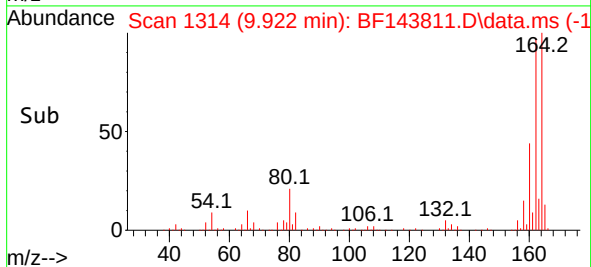
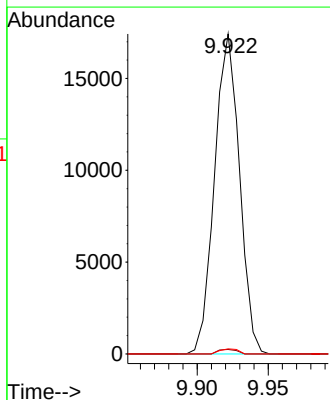
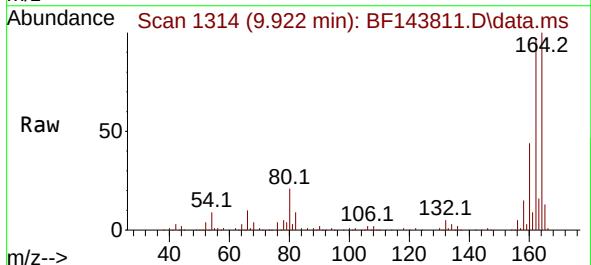
Tgt Ion:165 Resp: 21231

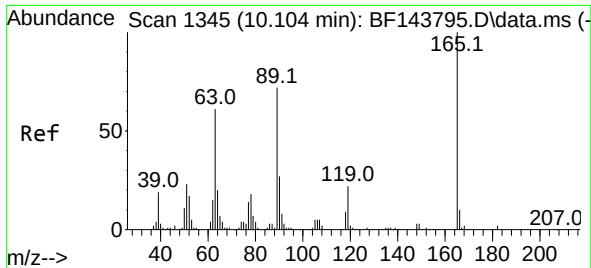
Ion Ratio Lower Upper

165 100

63 1.4 62.6 94.0#

89 1.6 45.2 67.8#

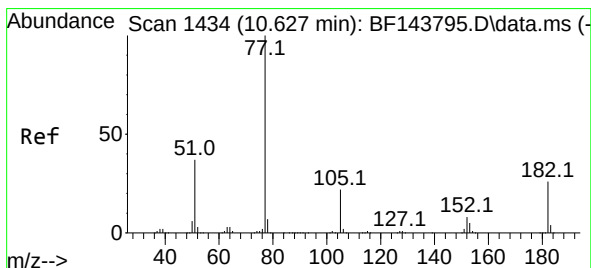
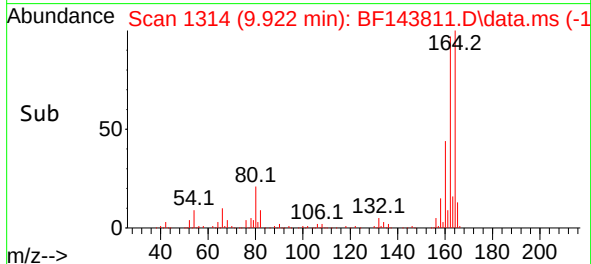
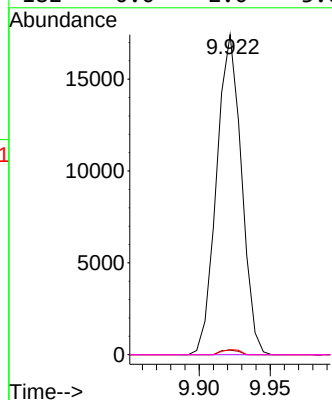
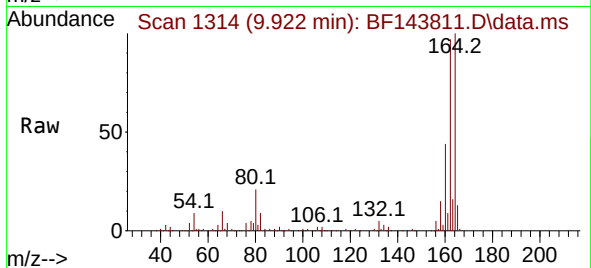




#57
2,4-Dinitrotoluene
Concen: 10.859 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51

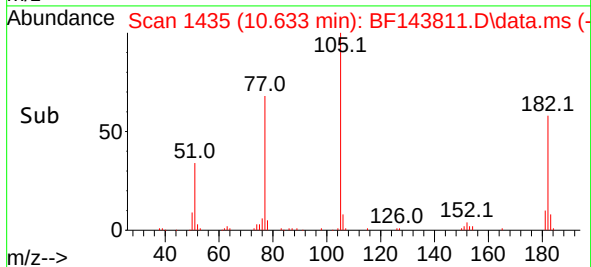
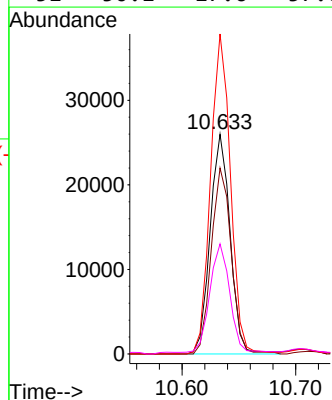
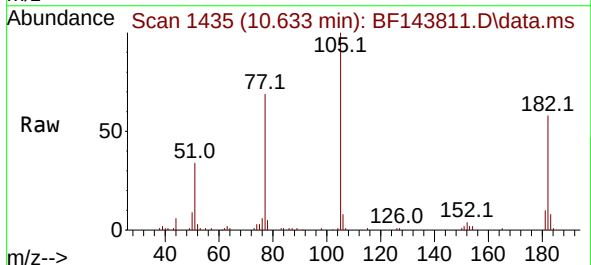
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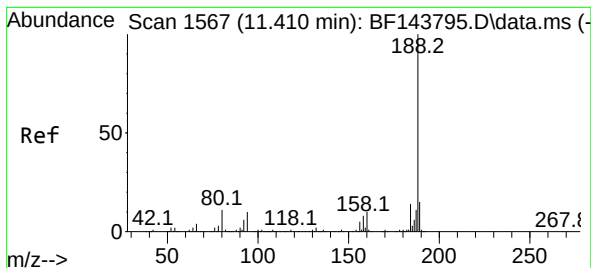
Tgt Ion:165 Resp: 21231
Ion Ratio Lower Upper
165 100
63 1.4 48.9 73.3#
89 1.6 57.5 86.3#
182 0.0 2.0 3.0#



#63
Azobenzene
Concen: 3.138 ng
RT: 10.633 min Scan# 1435
Delta R.T. 0.006 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51

Tgt Ion: 77 Resp: 31885
Ion Ratio Lower Upper
77 100
182 84.6 5.9 45.9#
105 145.6 2.3 42.3#
51 50.1 17.6 57.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143811.D

Acq: 25 Sep 2025 18:51

Instrument :

BNA_F

ClientSampleId :

WC-4

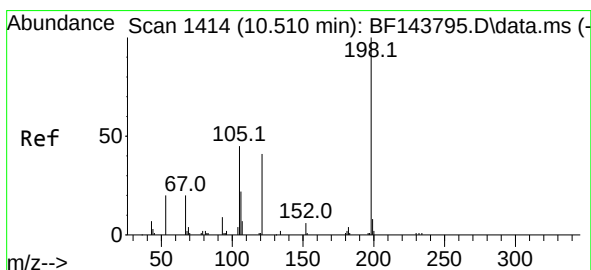
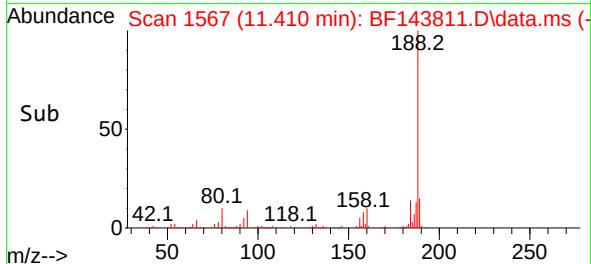
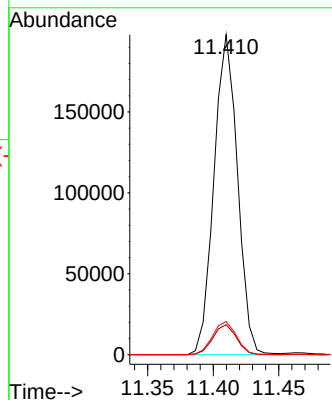
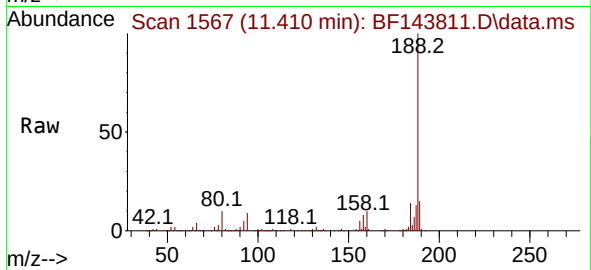
Tgt Ion:188 Resp: 246378

Ion Ratio Lower Upper

188 100

94 9.4 8.2 12.2

80 10.4 8.6 12.8



#65

4,6-Dinitro-2-methylphenol

Concen: 4.352 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.194 min

Lab File: BF143811.D

Acq: 25 Sep 2025 18:51

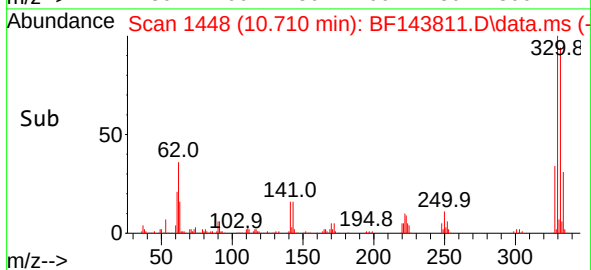
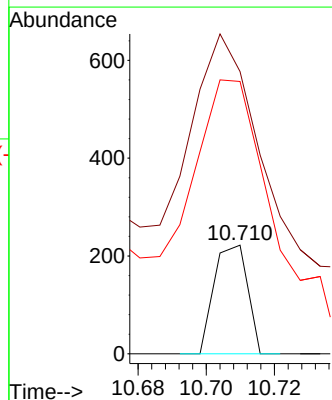
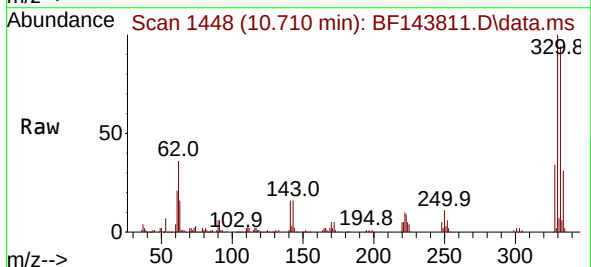
Tgt Ion:198 Resp: 151

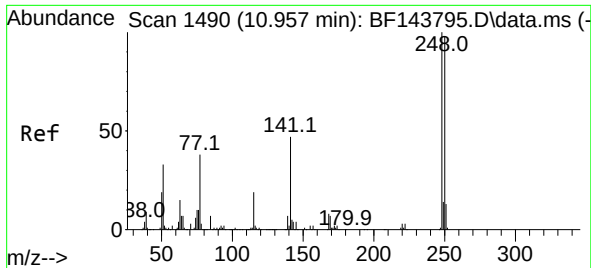
Ion Ratio Lower Upper

198 100

51 259.9 52.0 92.0#

105 250.9 27.5 67.5#

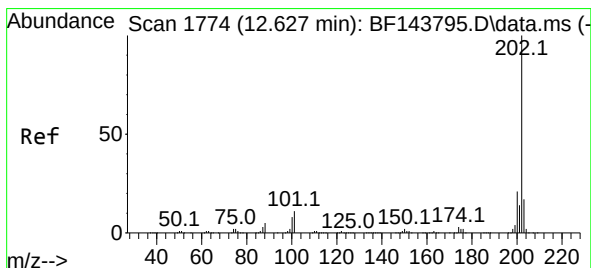
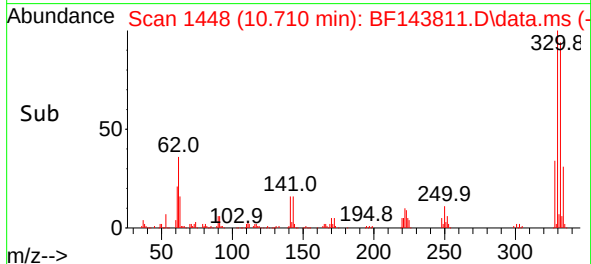
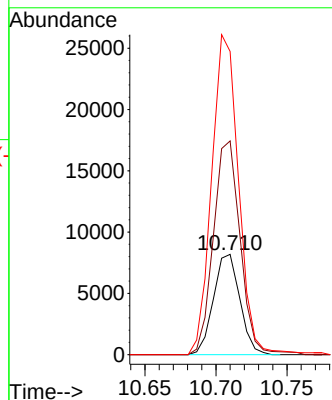
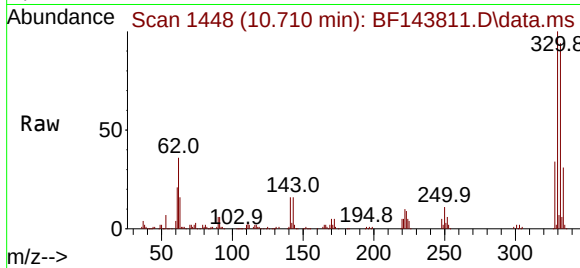




#67
4-Bromophenyl-phenylether
Concen: 2.516 ng
RT: 10.710 min Scan# 1490
Delta R.T. -0.247 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51

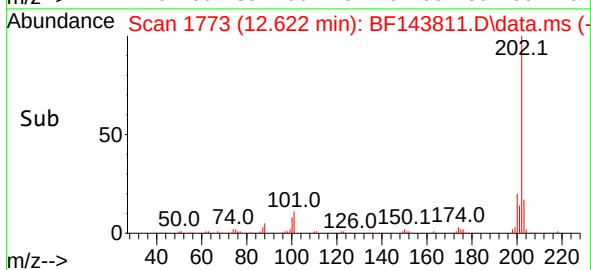
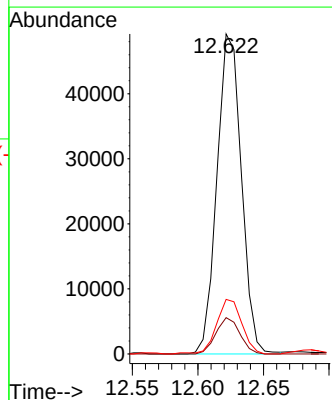
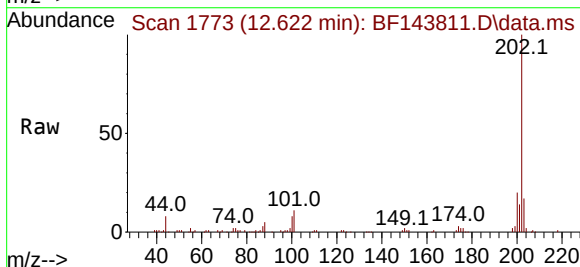
Instrument :
BNA_F
ClientSampleId :
WC-4

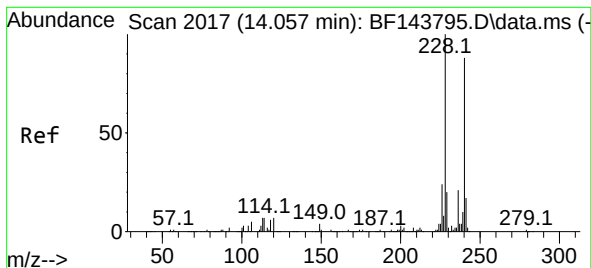
Tgt Ion:248 Resp: 10563
Ion Ratio Lower Upper
248 100
250 213.3 78.7 118.1#
141 302.5 37.9 56.9#



#75
Fluoranthene
Concen: 5.008 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51

Tgt Ion:202 Resp: 63718
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.1
203 17.0 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF143811.D

Acq: 25 Sep 2025 18:51

Instrument :

BNA_F

ClientSampleId :

WC-4

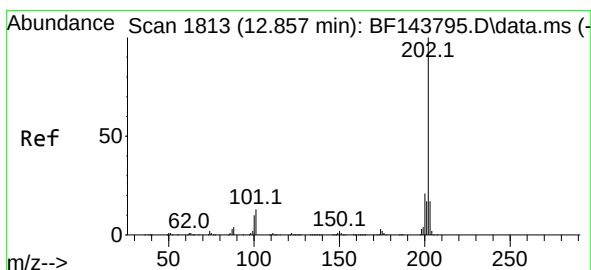
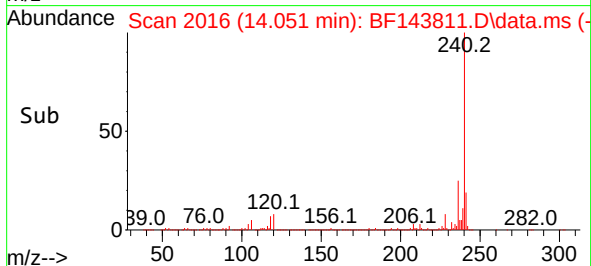
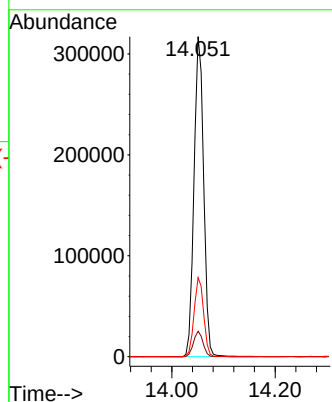
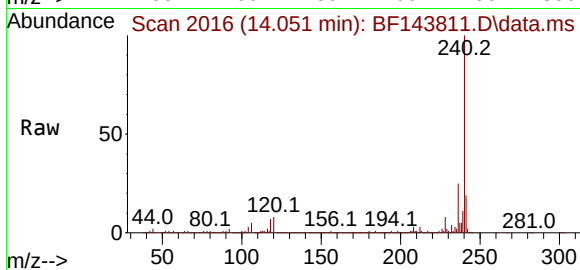
Tgt Ion:240 Resp: 410102

Ion Ratio Lower Upper

240 100

120 7.9 6.2 9.4

236 24.7 19.4 29.2



#78

Pyrene

Concen: 3.275 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF143811.D

Acq: 25 Sep 2025 18:51

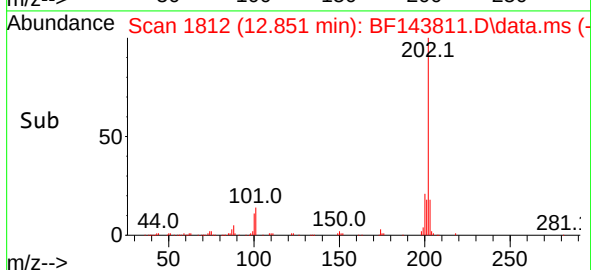
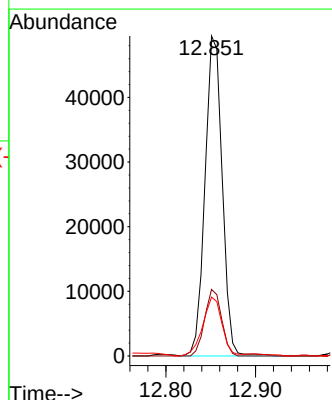
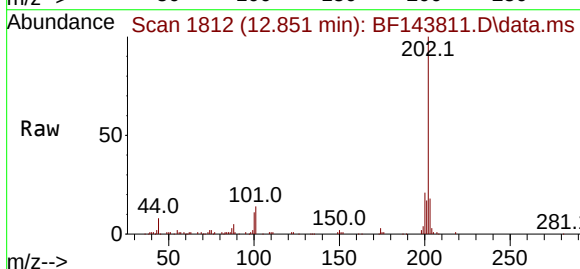
Tgt Ion:202 Resp: 66038

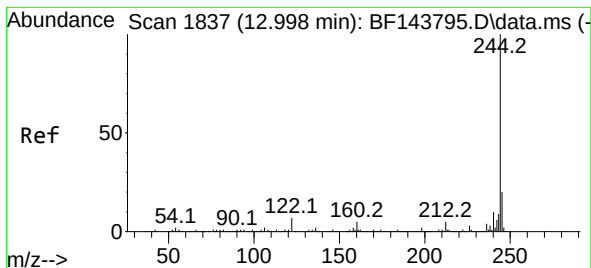
Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.4

203 18.4 13.9 20.9





#79

Terphenyl-d14

Concen: 44.616 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF143811.D

Acq: 25 Sep 2025 18:51

Instrument :

BNA_F

ClientSampleId :

WC-4

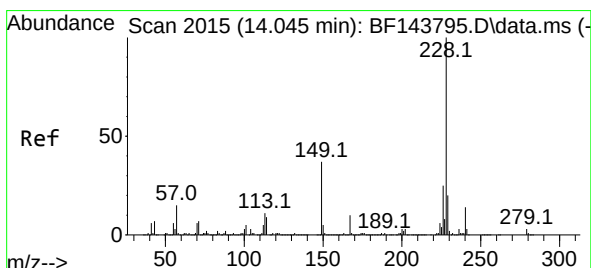
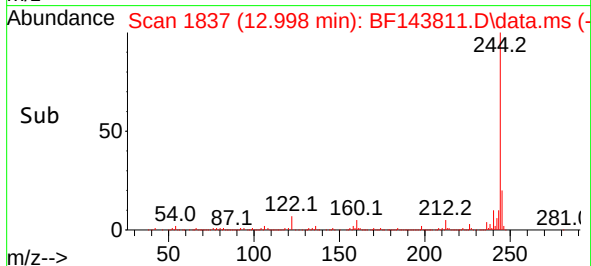
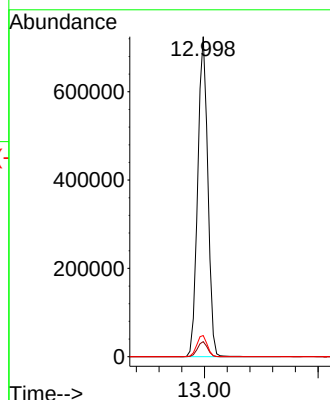
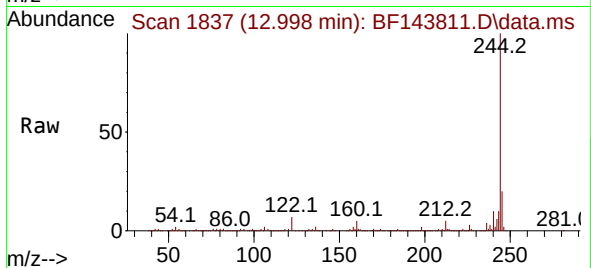
Tgt Ion:244 Resp: 899681

Ion Ratio Lower Upper

244 100

212 4.7 3.9 5.9

122 6.6 5.6 8.4



#81

Benzo(a)anthracene

Concen: 2.329 ng

RT: 14.045 min Scan# 2015

Delta R.T. -0.006 min

Lab File: BF143811.D

Acq: 25 Sep 2025 18:51

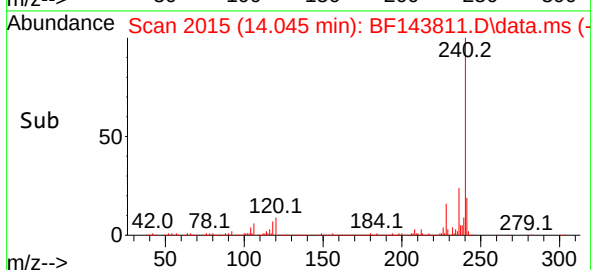
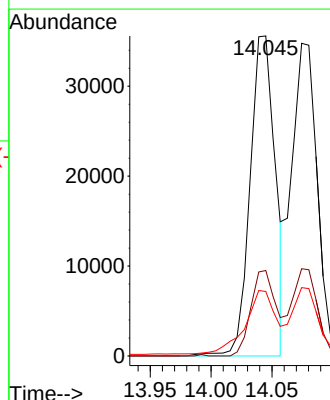
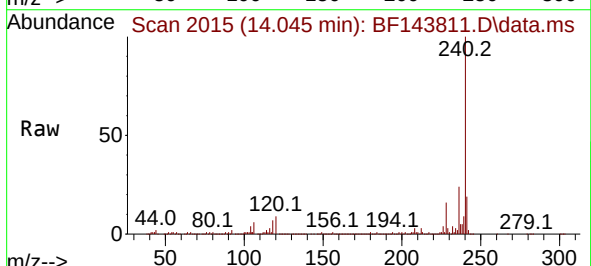
Tgt Ion:228 Resp: 51321

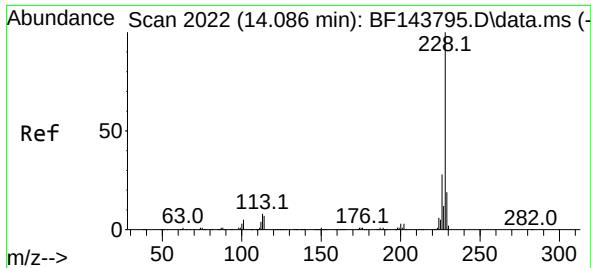
Ion Ratio Lower Upper

228 100

226 26.7 20.2 30.2

229 20.2 16.1 24.1

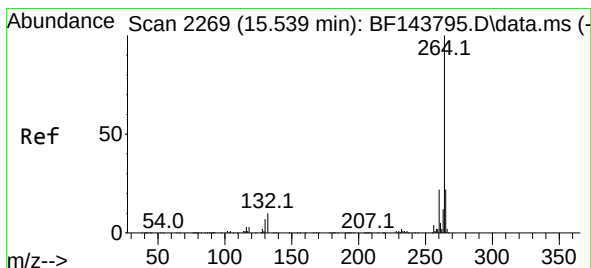
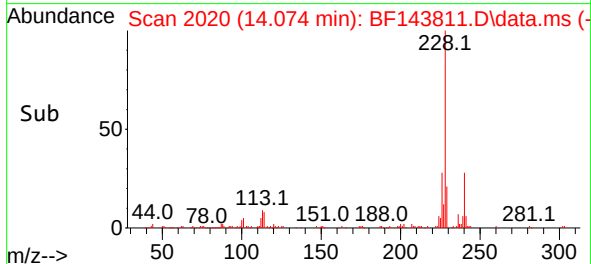
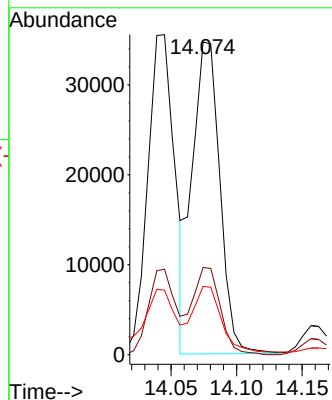
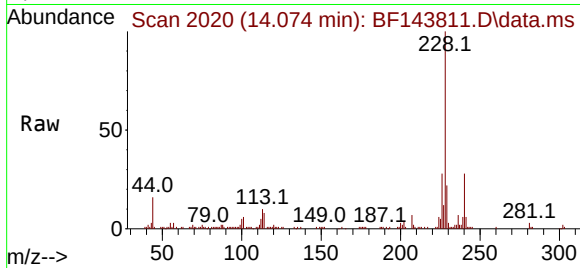




#83
Chrysene
Concen: 2.554 ng
RT: 14.074 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51

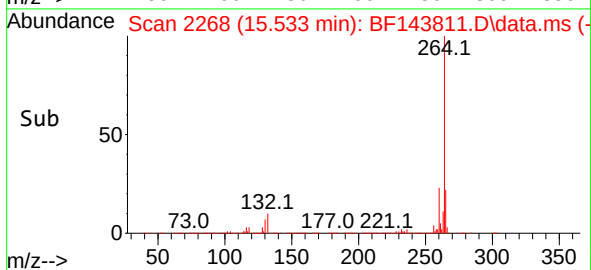
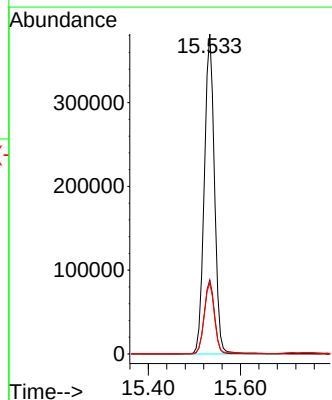
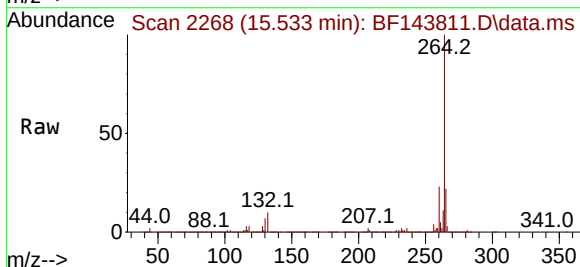
Instrument :
BNA_F
ClientSampleId :
WC-4

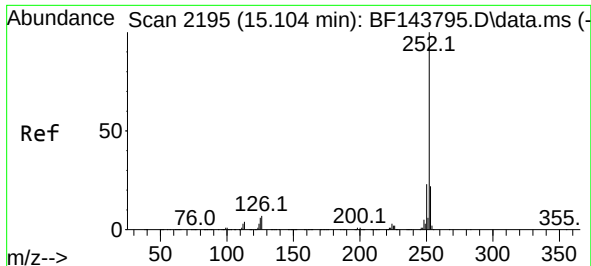
Tgt Ion:228 Resp: 50918
Ion Ratio Lower Upper
228 100
226 27.9 22.6 33.8
229 21.9 15.6 23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51

Tgt Ion:264 Resp: 588320
Ion Ratio Lower Upper
264 100
260 23.2 17.9 26.9
265 22.1 17.7 26.5

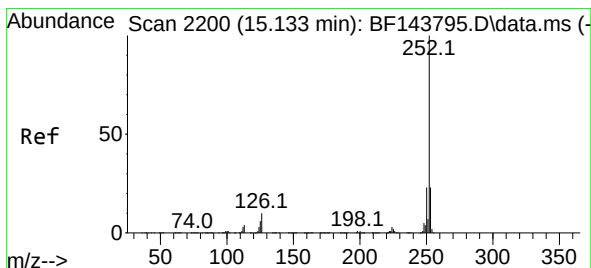
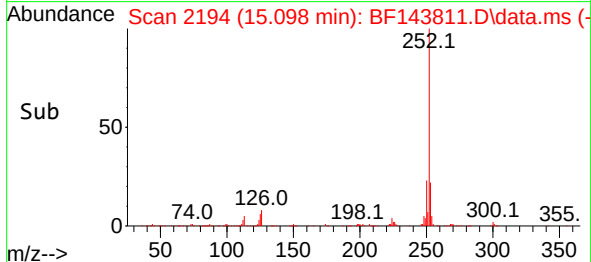
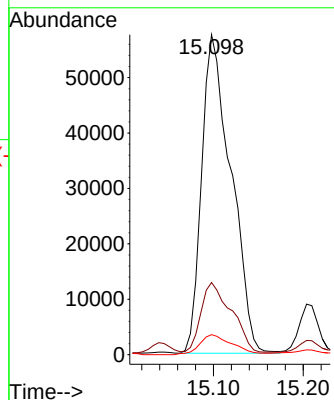
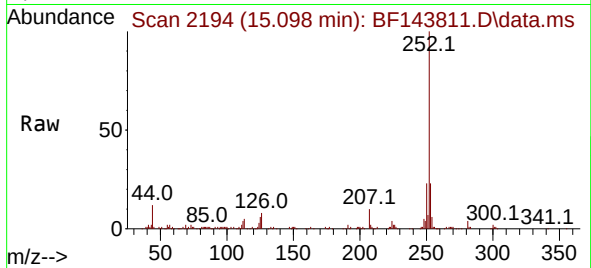




#88
Benzo(b)fluoranthene
Concen: 4.366 ng
RT: 15.098 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51

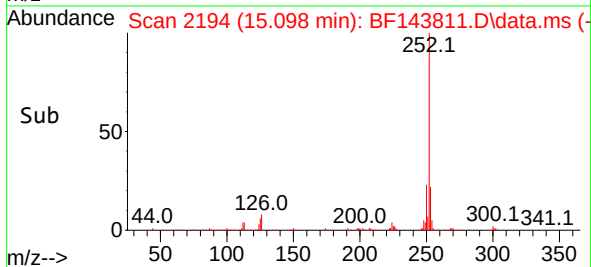
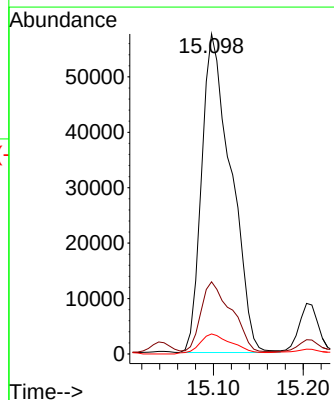
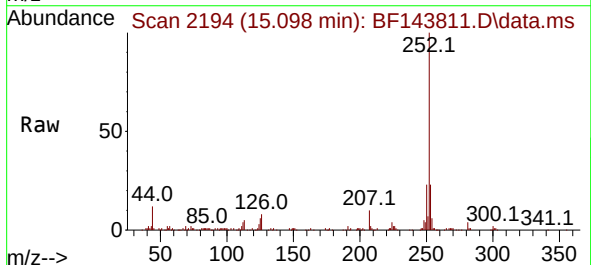
Instrument :
BNA_F
ClientSampleId :
WC-4

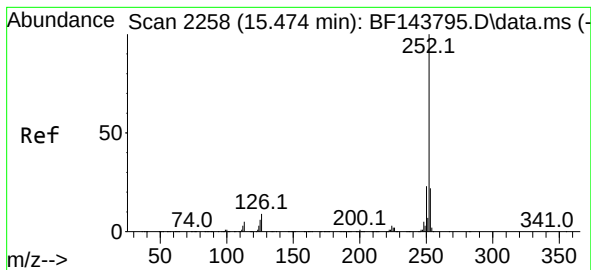
Tgt Ion:252 Resp: 130818
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 6.3 4.4 6.6



#89
Benzo(k)fluoranthene
Concen: 4.346 ng
RT: 15.098 min Scan# 2194
Delta R.T. -0.041 min
Lab File: BF143811.D
Acq: 25 Sep 2025 18:51

Tgt Ion:252 Resp: 130818
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 6.3 4.6 6.8





#90

Benzo(a)pyrene

Concen: 2.381 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143811.D

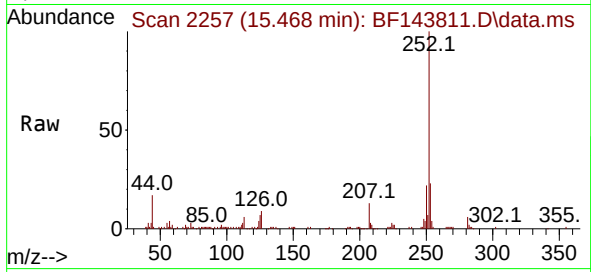
Acq: 25 Sep 2025 18:51

Instrument :

BNA_F

ClientSampleId :

WC-4



Tgt Ion:252 Resp: 67051

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 6.7 5.0 7.4

