

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
 Data File : BF143810.D
 Acq On : 25 Sep 2025 18:21
 Operator : RC/JU
 Sample : Q3183-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Sep 25 23:23:38 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

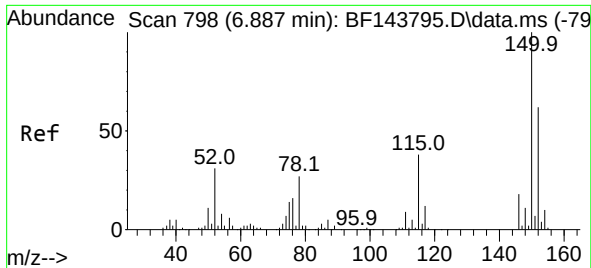
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	123678	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	417334	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	188274	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	268966	20.000	ng	0.00
76) Chrysene-d12	14.051	240	423978	20.000	ng	-0.01
86) Perylene-d12	15.533	264	615205	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	496353	65.204	ng	0.00
7) Phenol-d6	6.498	99	588621	66.922	ng	-0.01
23) Nitrobenzene-d5	7.439	82	322792	47.345	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	172659	61.936	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	491404	40.730	ng	0.00
79) Terphenyl-d14	12.998	244	685580	32.886	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	45130	7.979	ng	# 74
25) Isophorone	7.439	82	313667	23.609	ng	# 66
51) 2,6-Dinitrotoluene	9.922	165	23363	12.392	ng	# 17
57) 2,4-Dinitrotoluene	9.922	165	23363	10.760	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.704	198	54	4.225	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	9297	2.028	ng	# 1
71) Phenanthrene	11.433	178	87939	6.368	ng	99
75) Fluoranthene	12.627	202	120405	8.669	ng	98
78) Pyrene	12.851	202	115562	5.544	ng	98
81) Benzo(a)anthracene	14.045	228	76482	3.358	ng	99
83) Chrysene	14.080	228	58793	2.853	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	28307	2.678	ng	99
88) Benzo(b)fluoranthene	15.098	252	144738	4.620	ng	99
89) Benzo(k)fluoranthene	15.098	252	144738	4.598	ng	99
90) Benzo(a)pyrene	15.468	252	81409	2.764	ng	99

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

Quant Time: Sep 25 23:23:38 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

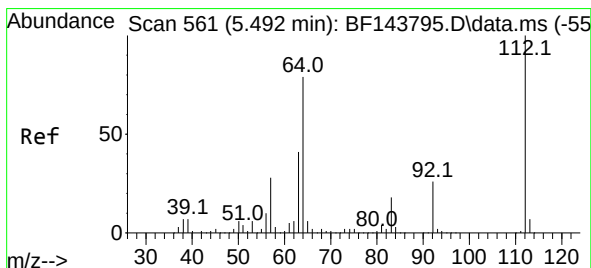
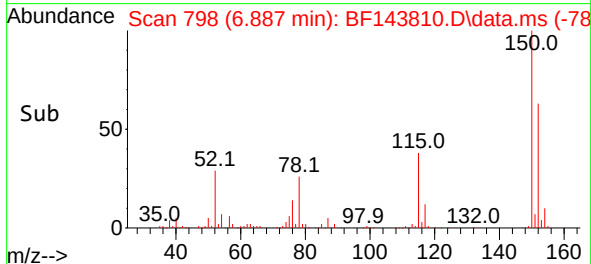
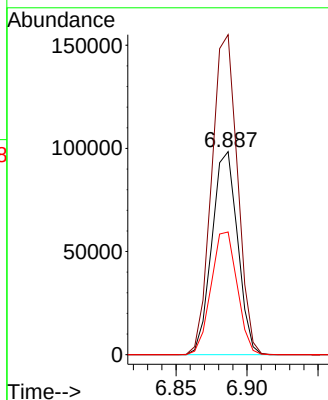
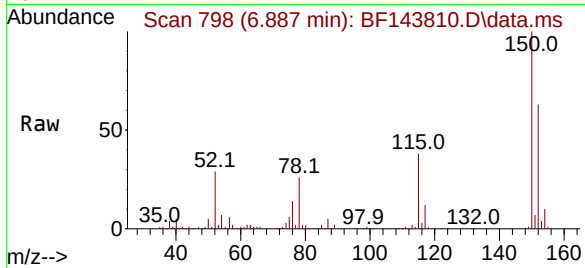




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: BF143810.D
 Acq: 25 Sep 2025 18:21

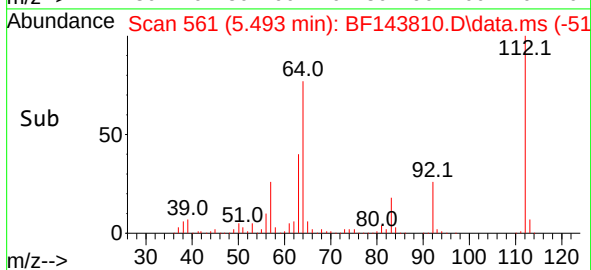
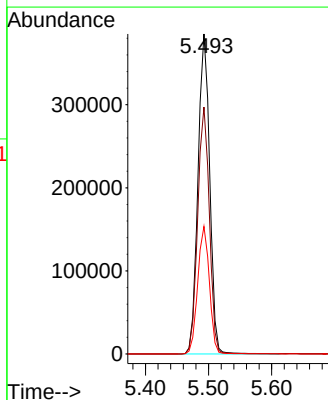
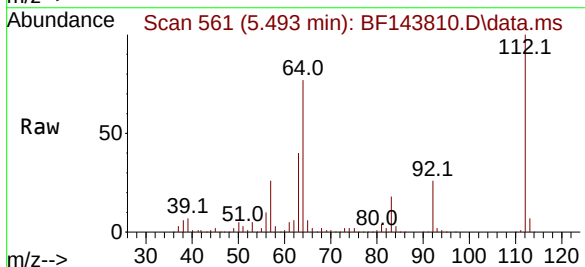
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

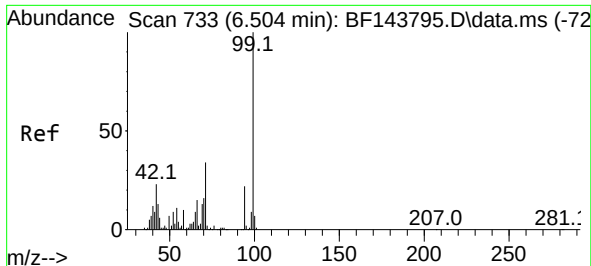
Tgt Ion:152 Resp: 123678
 Ion Ratio Lower Upper
 152 100
 150 157.7 129.6 194.4
 115 60.4 49.0 73.4



#5
 2-Fluorophenol
 Concen: 65.204 ng
 RT: 5.493 min Scan# 561
 Delta R.T. -0.005 min
 Lab File: BF143810.D
 Acq: 25 Sep 2025 18:21

Tgt Ion:112 Resp: 496353
 Ion Ratio Lower Upper
 112 100
 64 77.2 63.0 94.4
 63 39.9 32.6 49.0

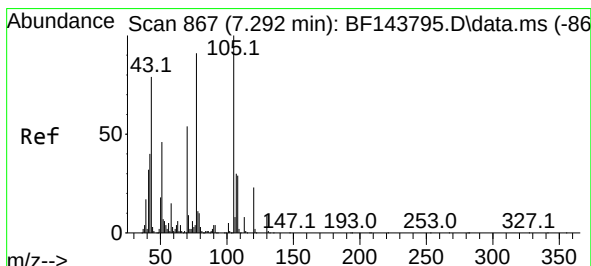
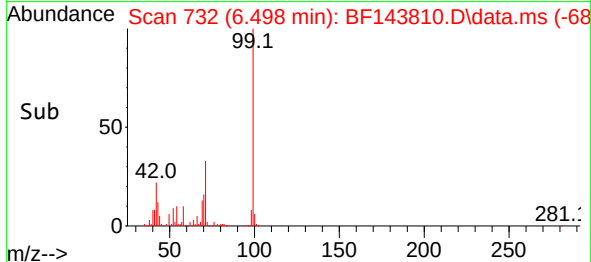
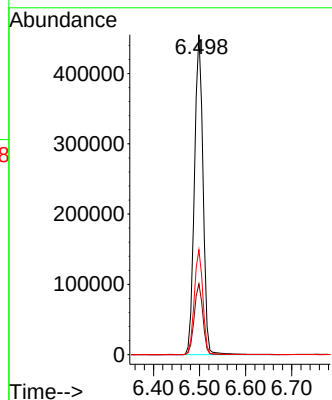
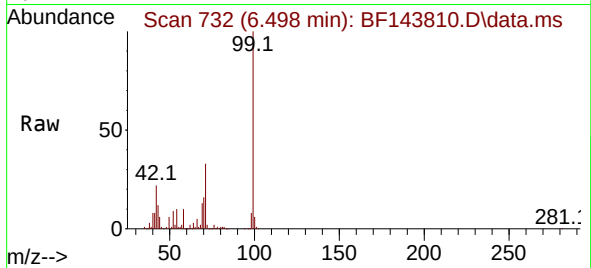




#7
Phenol-d6
Concen: 66.922 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

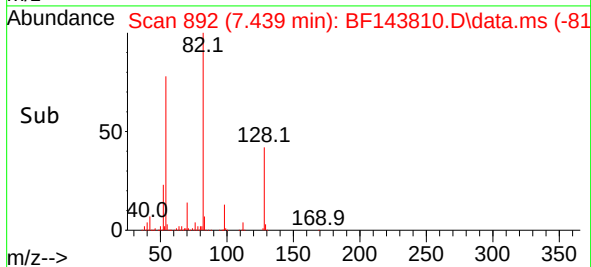
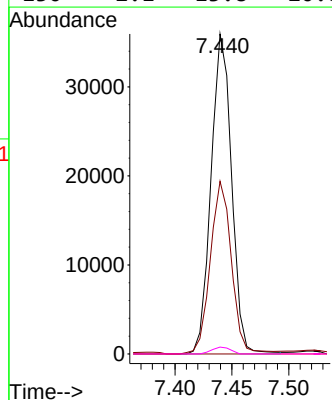
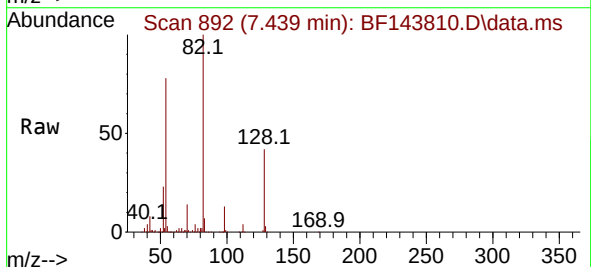
Instrument :
BNA_F
ClientSampleId :
WC-1

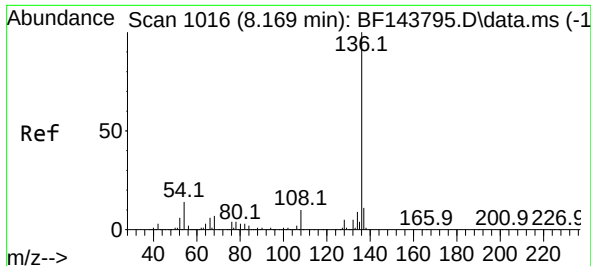
Tgt Ion: 99 Resp: 588621
Ion Ratio Lower Upper
99 100
42 22.1 18.6 28.0
71 32.8 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 7.979 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

Tgt Ion: 70 Resp: 45130
Ion Ratio Lower Upper
70 100
42 54.0 59.4 89.0#
101 0.0 7.1 10.7#
130 2.1 13.8 20.8#



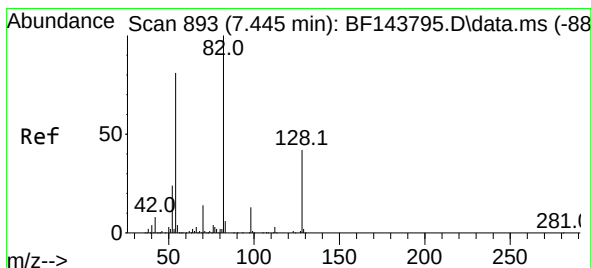
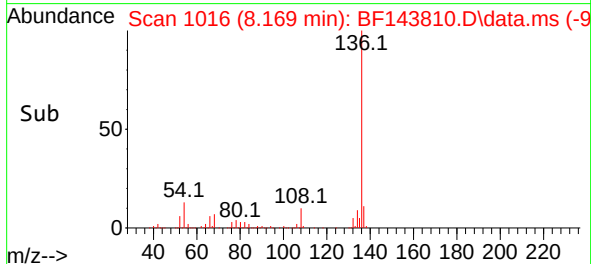
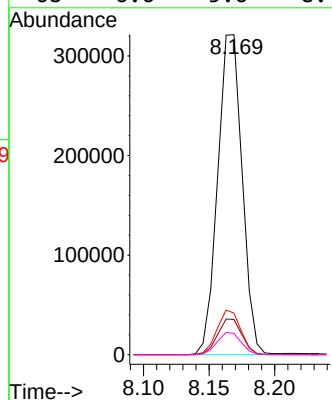
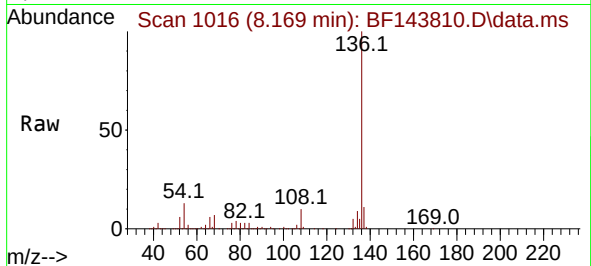


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:136 Resp: 417334

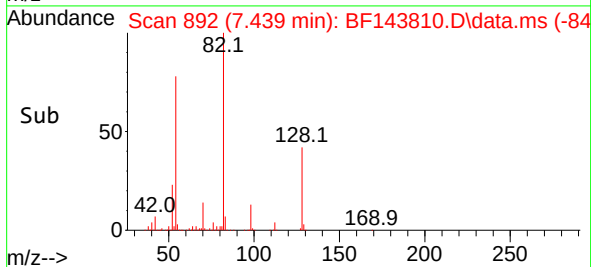
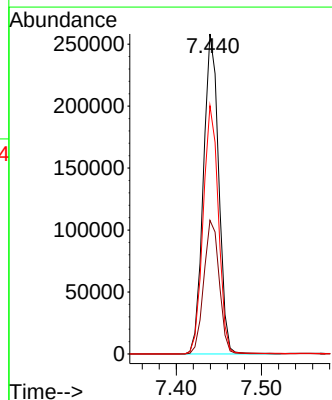
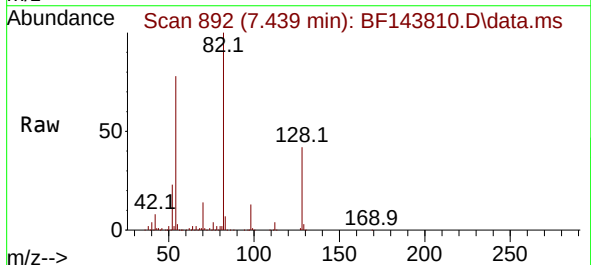
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	13.0	11.2	16.8
68	6.6	5.6	8.4

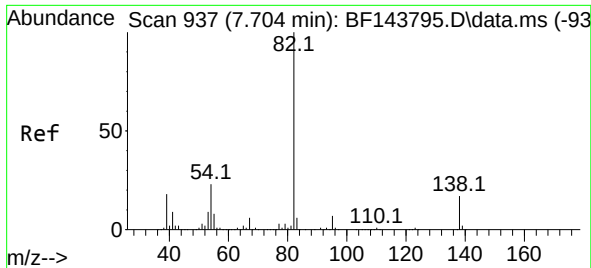


#23
Nitrobenzene-d5
Concen: 47.345 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.011 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

Tgt Ion: 82 Resp: 322792

Ion	Ratio	Lower	Upper
82	100		
128	41.7	33.3	49.9
54	77.6	64.2	96.4

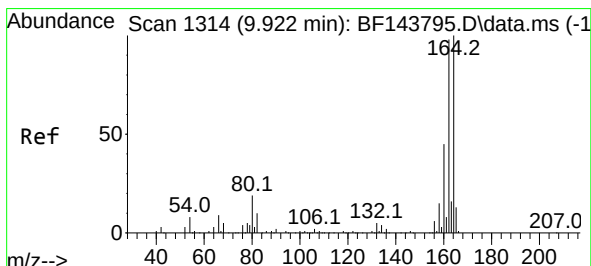
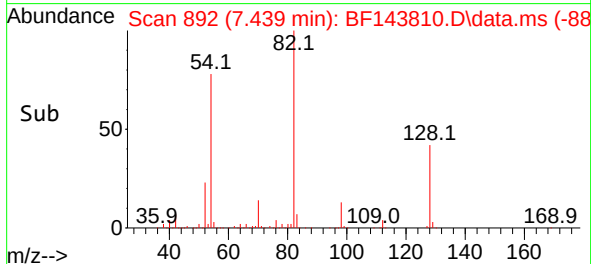
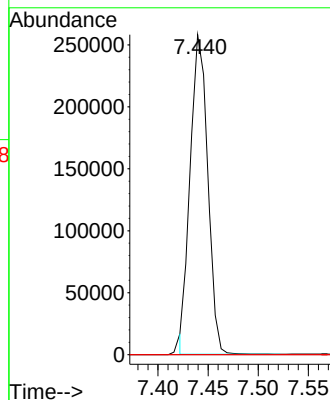
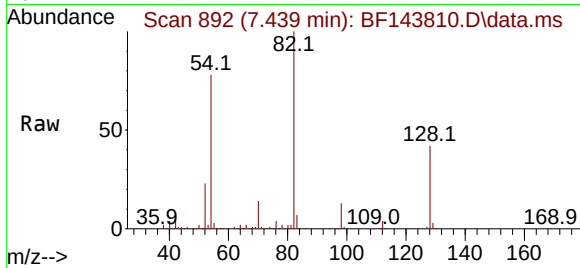




#25
Isophorone
Concen: 23.609 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.271 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

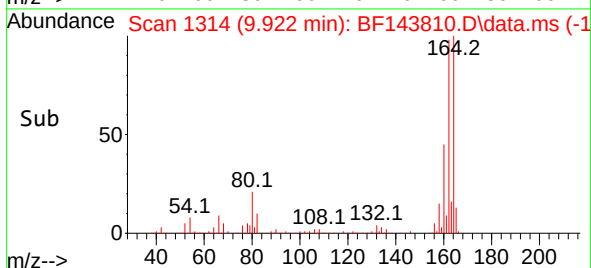
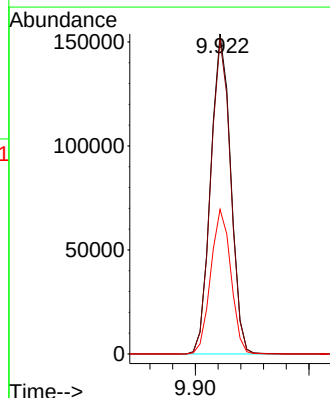
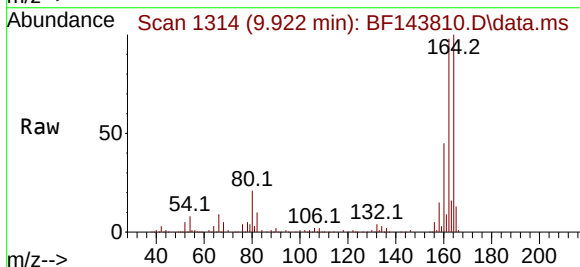
Instrument :
BNA_F
ClientSampleId :
WC-1

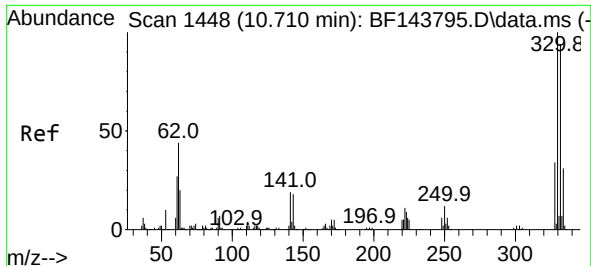
Tgt Ion: 82 Resp: 313667
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

Tgt Ion:164 Resp: 188274
Ion Ratio Lower Upper
164 100
162 98.2 78.8 118.2
160 45.2 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 61.936 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF143810.D

Acq: 25 Sep 2025 18:21

Instrument :

BNA_F

ClientSampleId :

WC-1

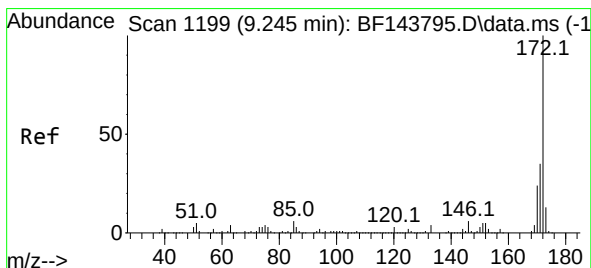
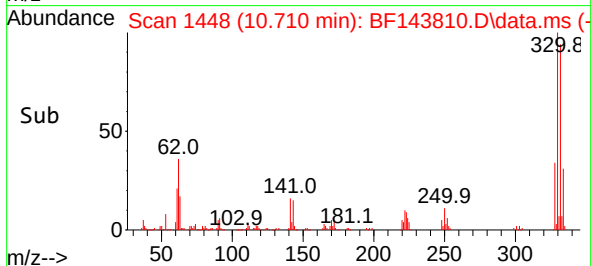
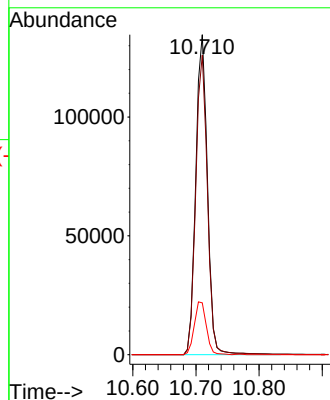
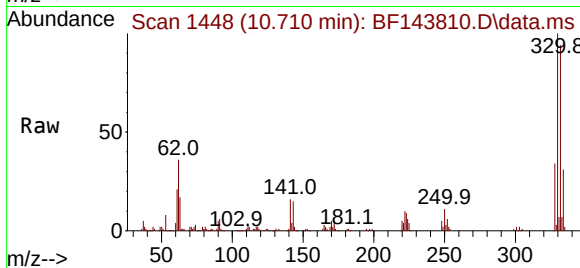
Tgt Ion:330 Resp: 172659

Ion Ratio Lower Upper

330 100

332 94.0 74.7 112.1

141 17.0 14.3 21.5



#45

2-Fluorobiphenyl

Concen: 40.730 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF143810.D

Acq: 25 Sep 2025 18:21

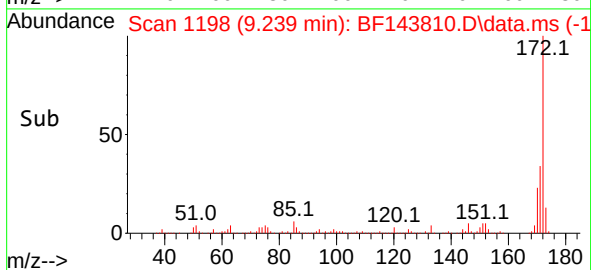
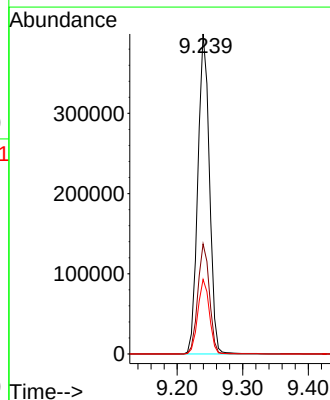
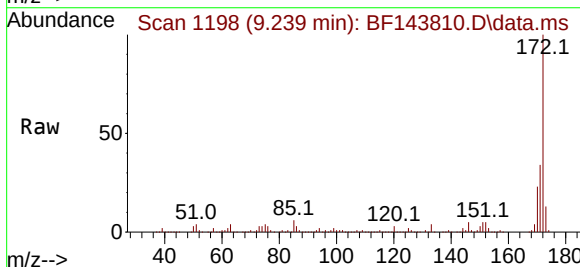
Tgt Ion:172 Resp: 491404

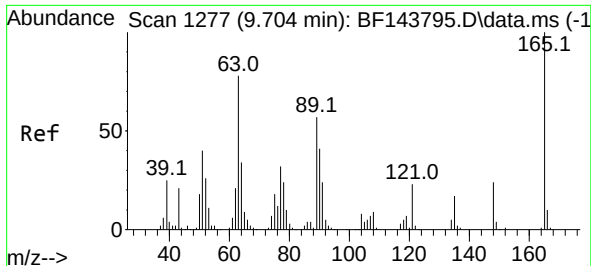
Ion Ratio Lower Upper

172 100

171 34.4 27.9 41.9

170 23.3 19.1 28.7





#51

2,6-Dinitrotoluene

Concen: 12.392 ng

RT: 9.922 min Scan# 1

Delta R.T. 0.218 min

Lab File: BF143810.D

Acq: 25 Sep 2025 18:21

Instrument :

BNA_F

ClientSampleId :

WC-1

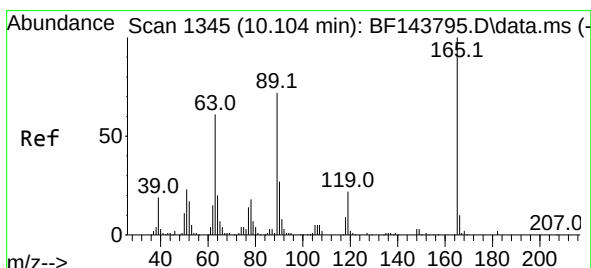
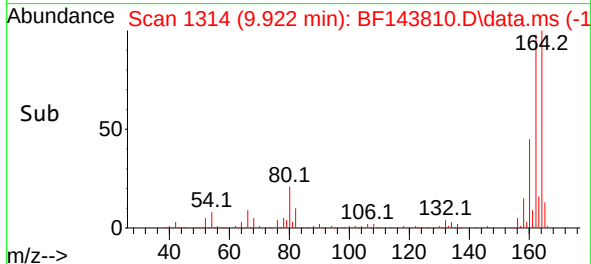
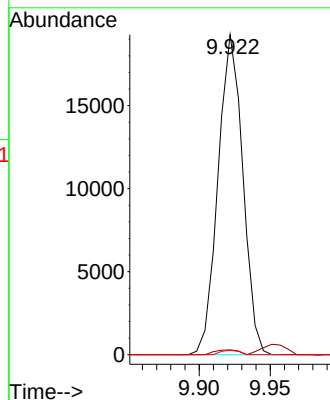
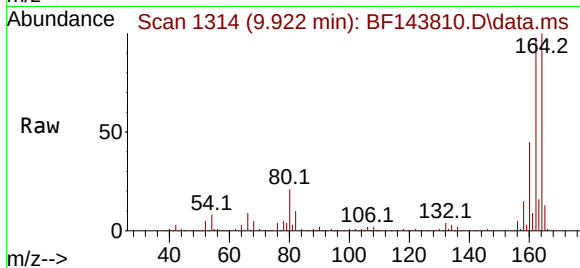
Tgt Ion:165 Resp: 23363

Ion Ratio Lower Upper

165 100

63 1.5 62.6 94.0#

89 1.3 45.2 67.8#



#57

2,4-Dinitrotoluene

Concen: 10.760 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.188 min

Lab File: BF143810.D

Acq: 25 Sep 2025 18:21

Tgt Ion:165 Resp: 23363

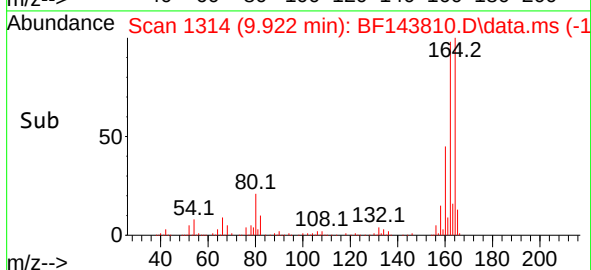
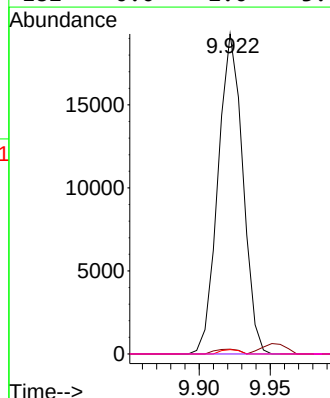
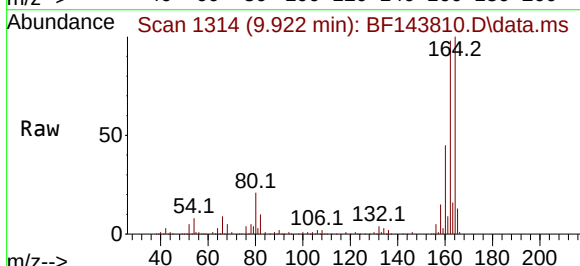
Ion Ratio Lower Upper

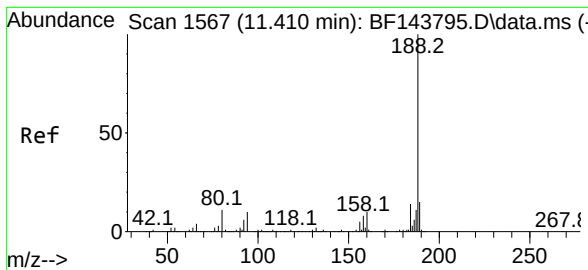
165 100

63 1.5 48.9 73.3#

89 1.3 57.5 86.3#

182 0.0 2.0 3.0#

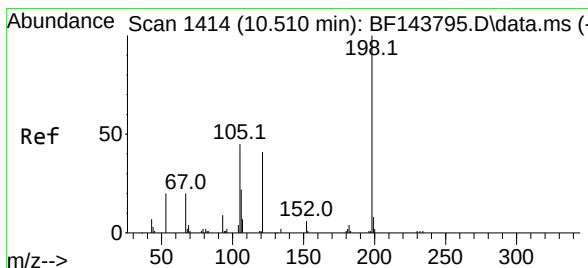
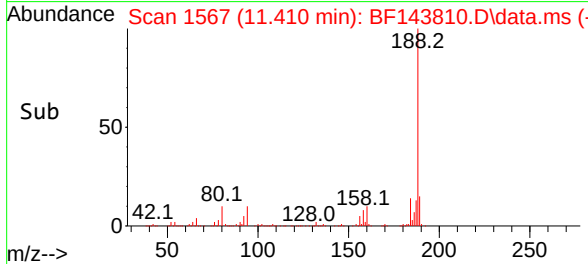
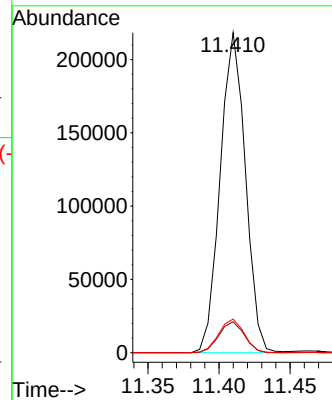
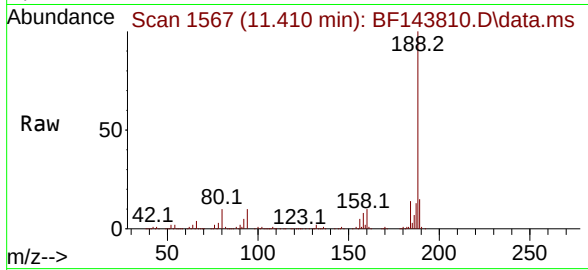




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

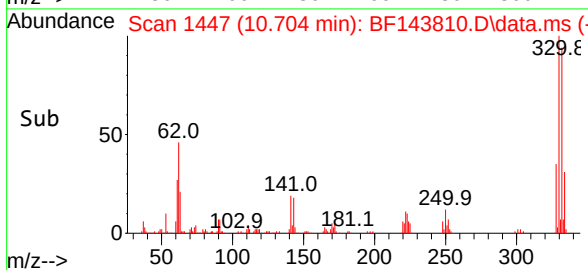
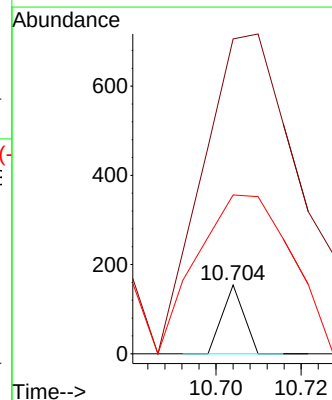
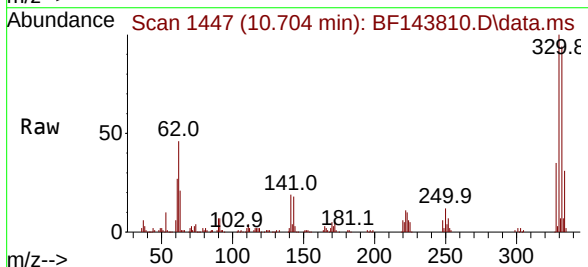
Instrument :
BNA_F
ClientSampleId :
WC-1

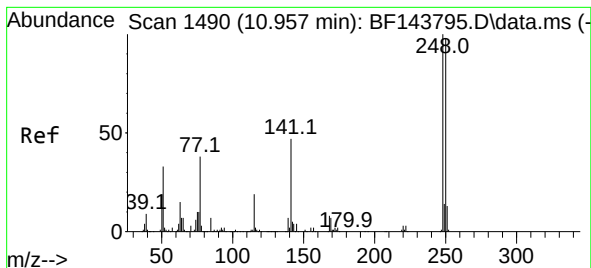
Tgt Ion:188	Resp:	268966
Ion Ratio	Lower	Upper
188	100	
94	9.7	8.2 12.2
80	10.5	8.6 12.8



#65
4,6-Dinitro-2-methylphenol
Concen: 4.225 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.188 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

Tgt Ion:198	Resp:	54
Ion Ratio	Lower	Upper
198	100	
51	458.4	52.0 92.0#
105	231.2	27.5 67.5#

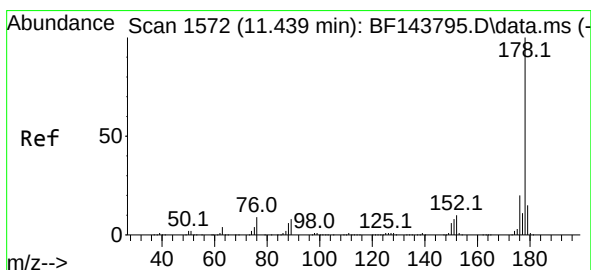
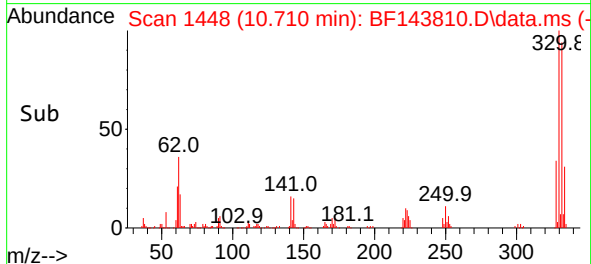
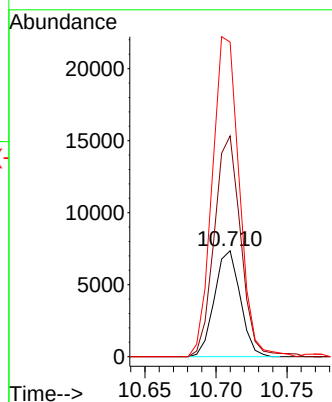
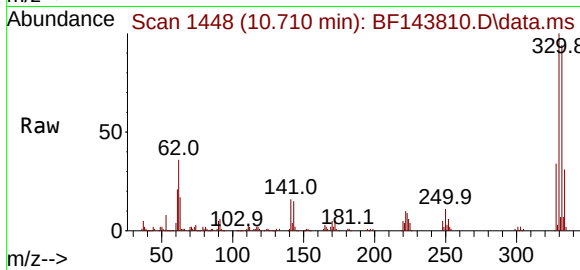




#67
4-Bromophenyl-phenylether
Concen: 2.028 ng
RT: 10.710 min Scan# 1490
Delta R.T. -0.247 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

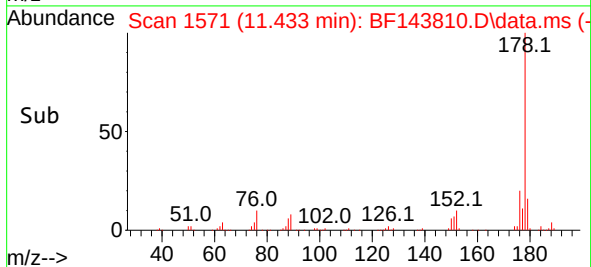
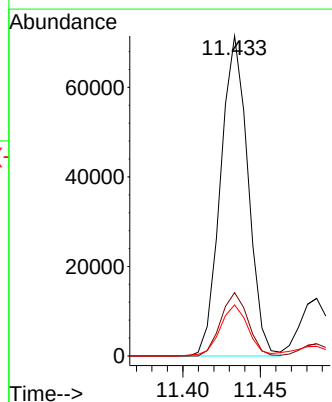
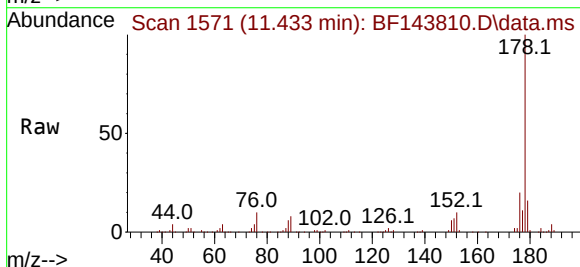
Instrument :
BNA_F
ClientSampleId :
WC-1

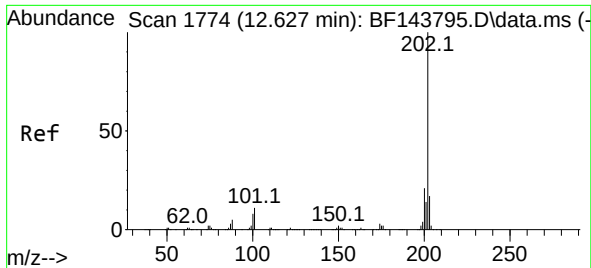
Tgt Ion:248 Resp: 9297
Ion Ratio Lower Upper
248 100
250 208.4 78.7 118.1#
141 296.9 37.9 56.9#



#71
Phenanthrene
Concen: 6.368 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

Tgt Ion:178 Resp: 87939
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 16.0 12.2 18.4

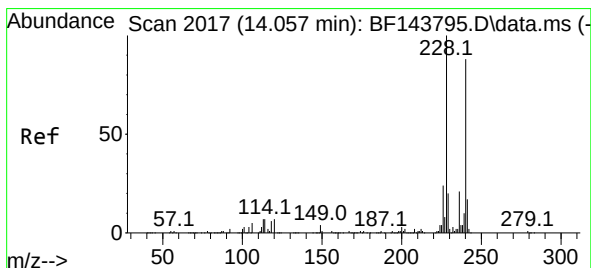
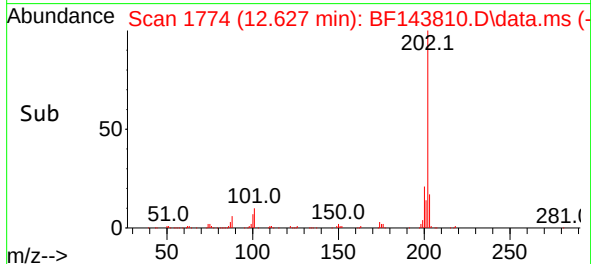
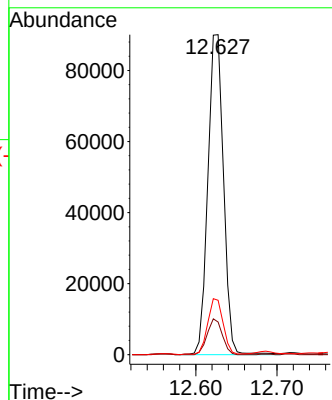
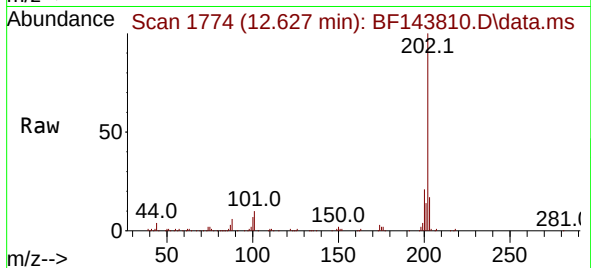




#75
Fluoranthene
Concen: 8.669 ng
RT: 12.627 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

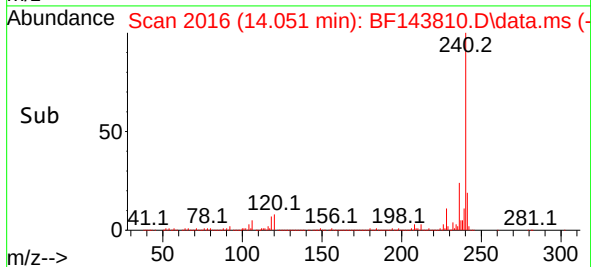
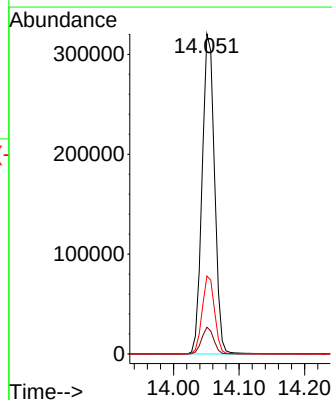
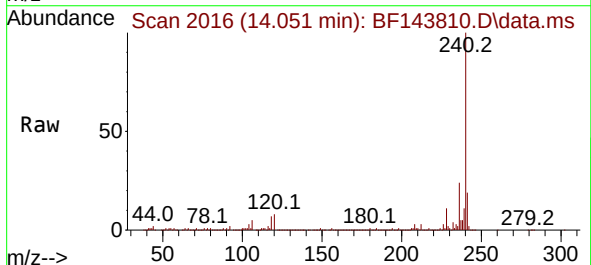
Instrument :
BNA_F
ClientSampleId :
WC-1

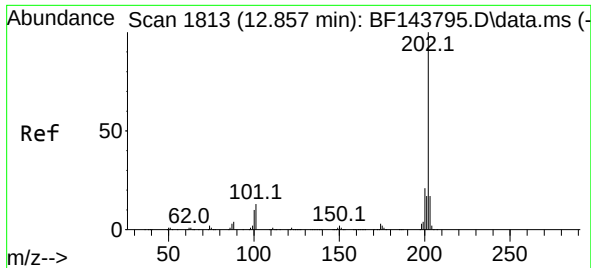
Tgt Ion:202 Resp: 120405
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.1
203 17.0 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

Tgt Ion:240 Resp: 423978
Ion Ratio Lower Upper
240 100
120 8.3 6.2 9.4
236 24.3 19.4 29.2

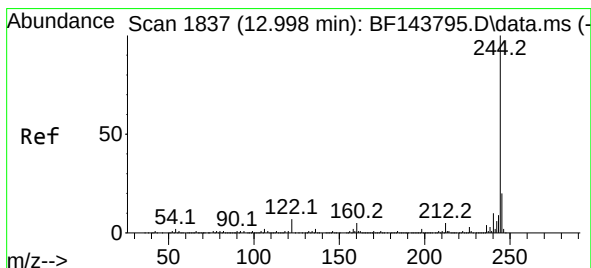
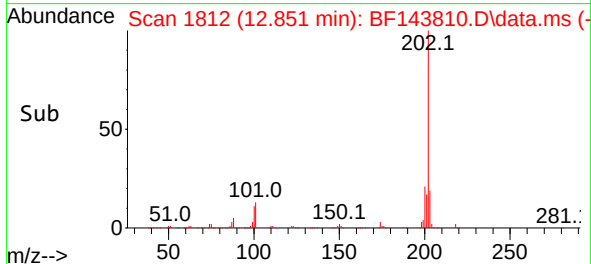
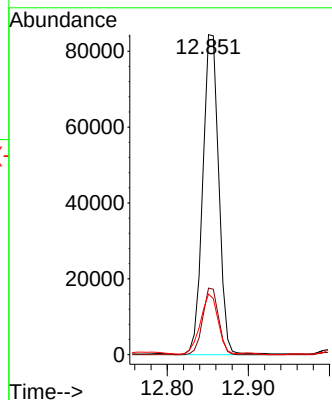
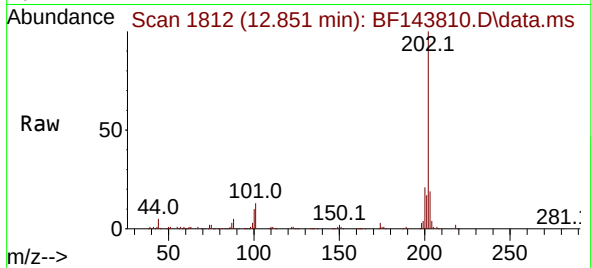




#78
 Pyrene
 Concen: 5.544 ng
 RT: 12.851 min Scan# 1812
 Delta R.T. -0.006 min
 Lab File: BF143810.D
 Acq: 25 Sep 2025 18:21

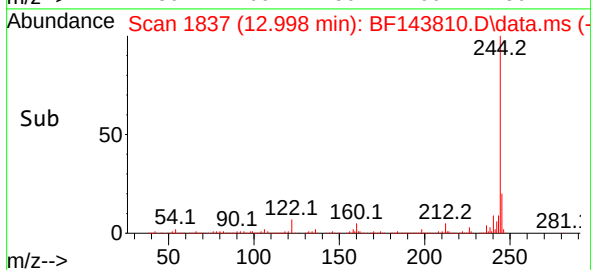
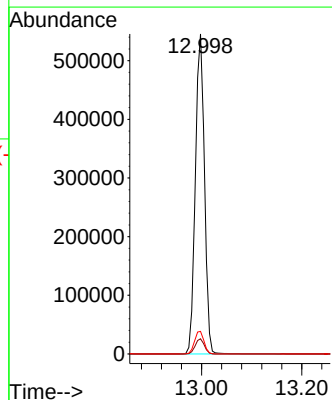
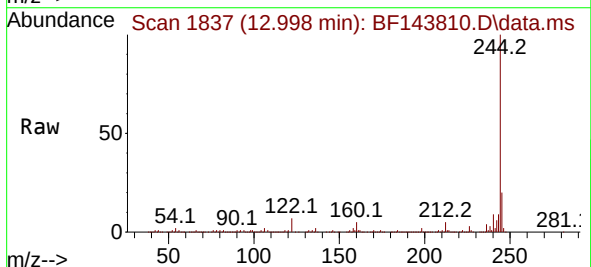
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

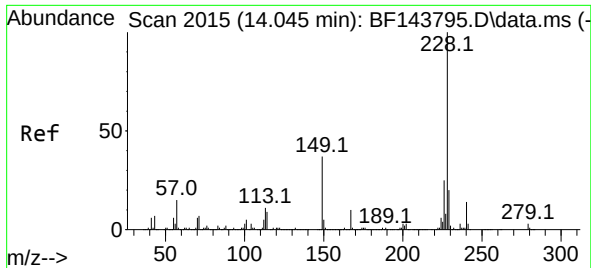
Tgt Ion:202 Resp: 115562
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.0 25.4
 203 19.0 13.9 20.9



#79
 Terphenyl-d14
 Concen: 32.886 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. -0.006 min
 Lab File: BF143810.D
 Acq: 25 Sep 2025 18:21

Tgt Ion:244 Resp: 685580
 Ion Ratio Lower Upper
 244 100
 212 4.7 3.9 5.9
 122 7.1 5.6 8.4

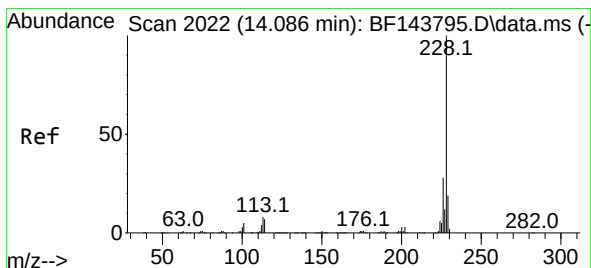
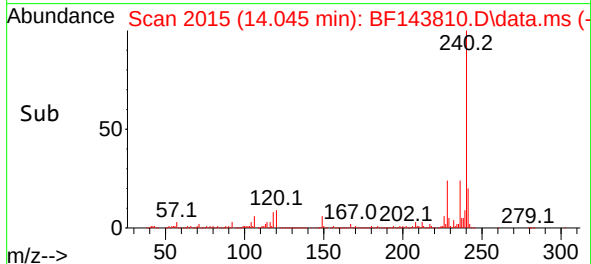
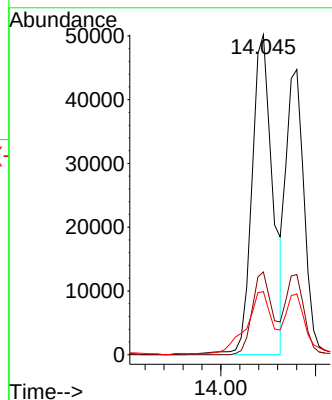
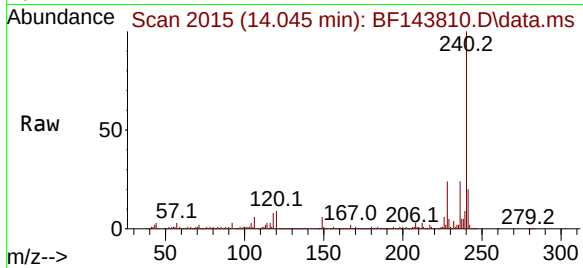




#81
Benzo(a)anthracene
Concen: 3.358 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

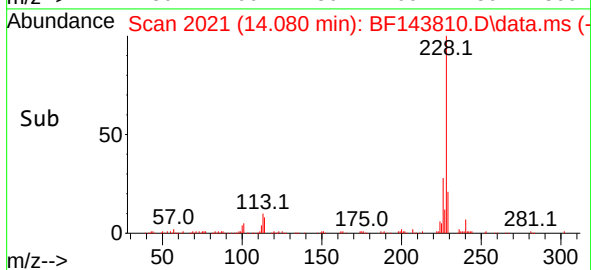
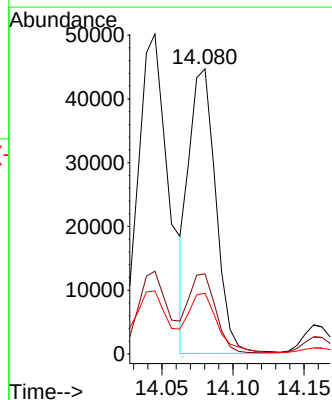
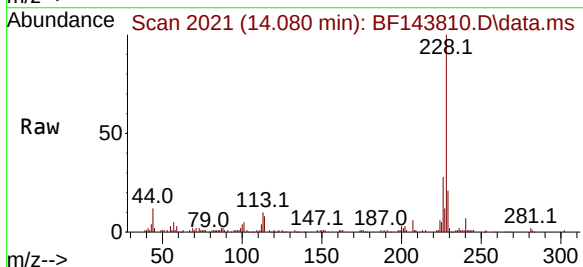
Instrument :
BNA_F
ClientSampleId :
WC-1

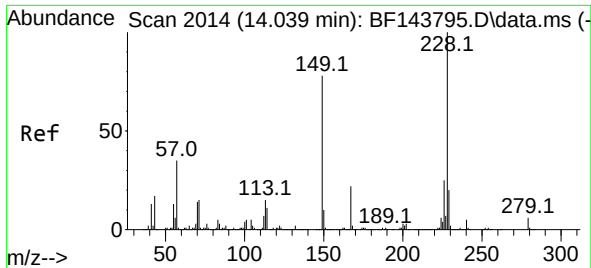
Tgt Ion:228 Resp: 76482
Ion Ratio Lower Upper
228 100
226 25.9 20.2 30.2
229 19.7 16.1 24.1



#83
Chrysene
Concen: 2.853 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

Tgt Ion:228 Resp: 58793
Ion Ratio Lower Upper
228 100
226 28.1 22.6 33.8
229 21.3 15.6 23.4

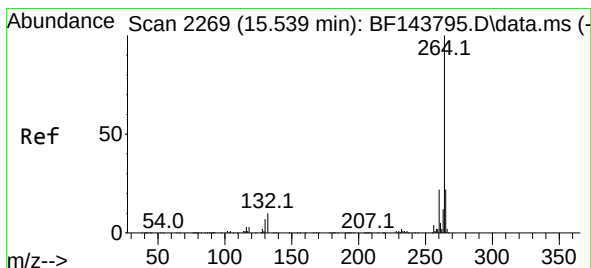
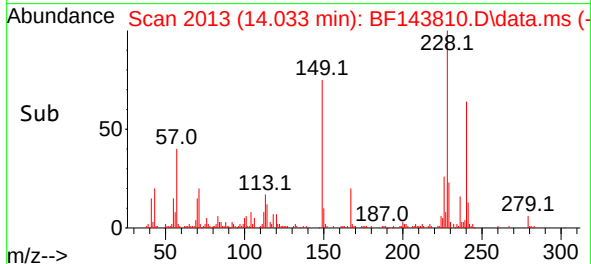
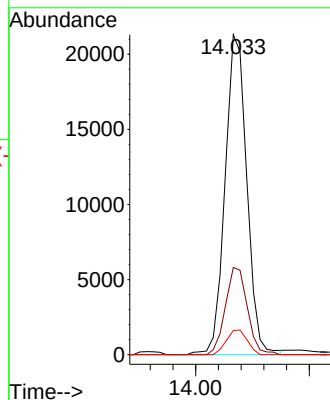
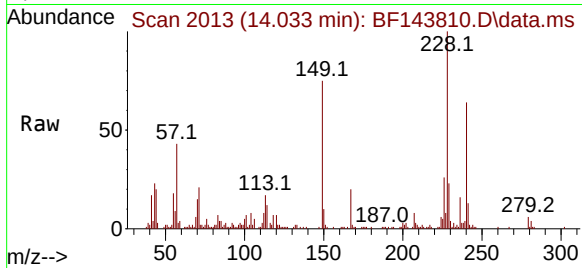




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.678 ng
 RT: 14.033 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF143810.D
 Acq: 25 Sep 2025 18:21

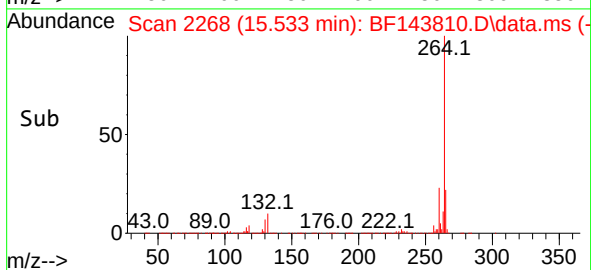
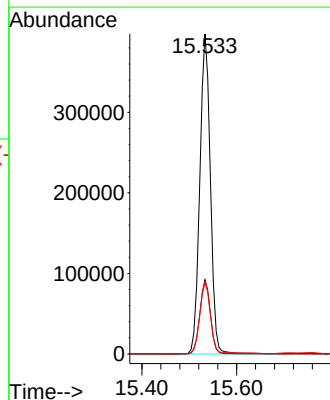
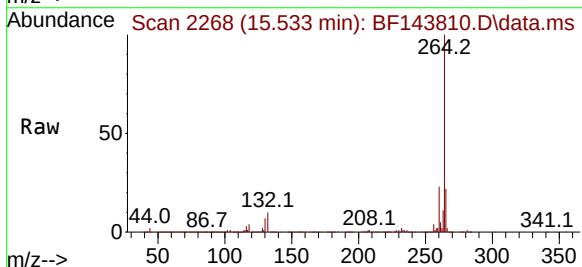
Instrument :
 BNA_F
 ClientSampleId :
 WC-1

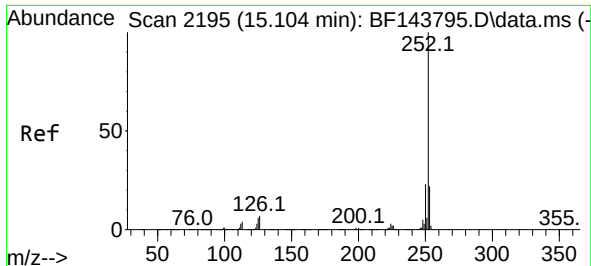
Tgt Ion:149 Resp: 28307
 Ion Ratio Lower Upper
 149 100
 167 27.2 22.2 33.2
 279 7.6 6.0 9.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.533 min Scan# 2268
 Delta R.T. -0.006 min
 Lab File: BF143810.D
 Acq: 25 Sep 2025 18:21

Tgt Ion:264 Resp: 615205
 Ion Ratio Lower Upper
 264 100
 260 23.3 17.9 26.9
 265 22.4 17.7 26.5

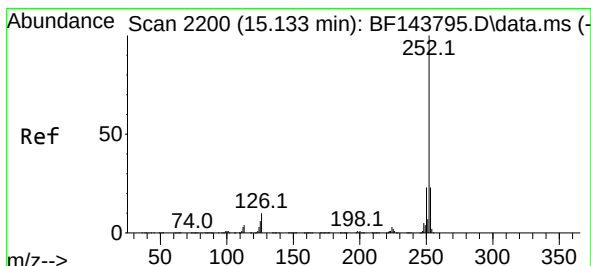
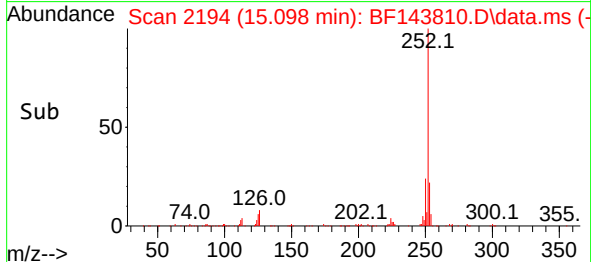
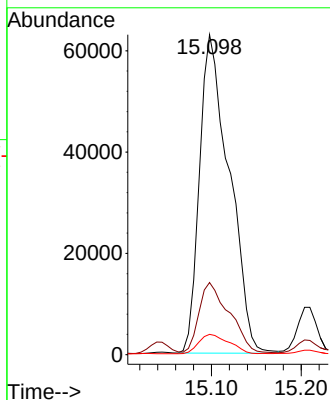
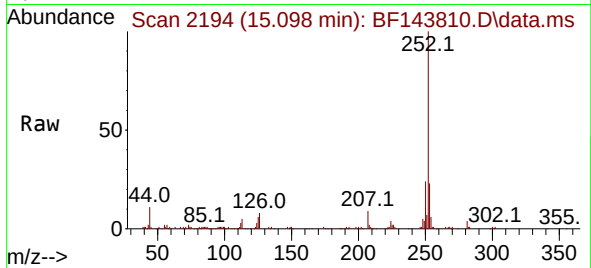




#88
Benzo(b)fluoranthene
Concen: 4.620 ng
RT: 15.098 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

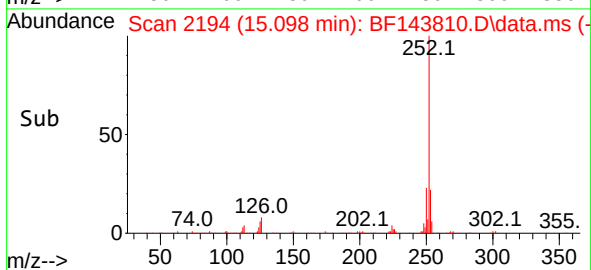
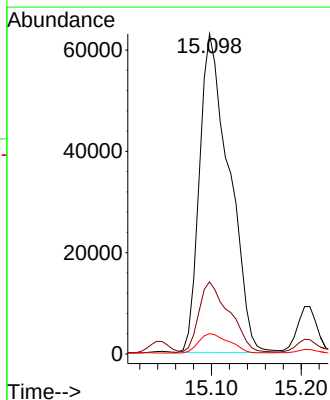
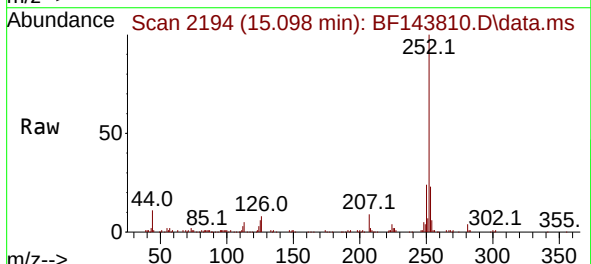
Instrument :
BNA_F
ClientSampleId :
WC-1

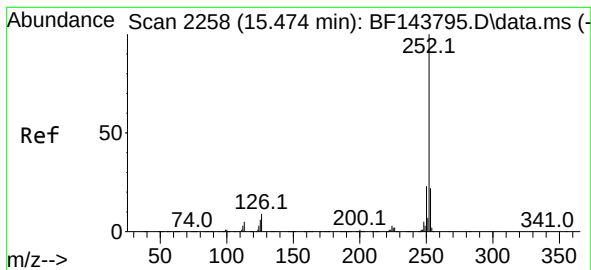
Tgt Ion:252 Resp: 144738
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 6.3 4.4 6.6



#89
Benzo(k)fluoranthene
Concen: 4.598 ng
RT: 15.098 min Scan# 2194
Delta R.T. -0.041 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

Tgt Ion:252 Resp: 144738
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: 2.764 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143810.D

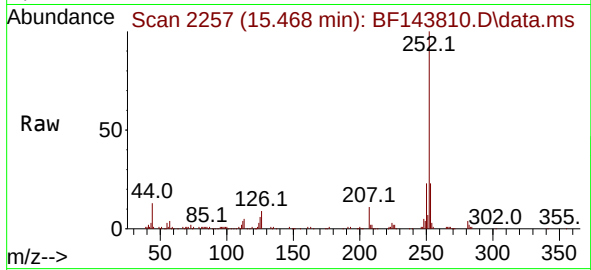
Acq: 25 Sep 2025 18:21

Instrument :

BNA_F

ClientSampleId :

WC-1



Tgt Ion:252 Resp: 81409

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

125 6.4 5.0 7.4

