

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092925\
 Data File : BF143826.D
 Acq On : 29 Sep 2025 17:13
 Operator : RC/JU
 Sample : Q3231-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Quant Time: Sep 29 17:37:49 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)

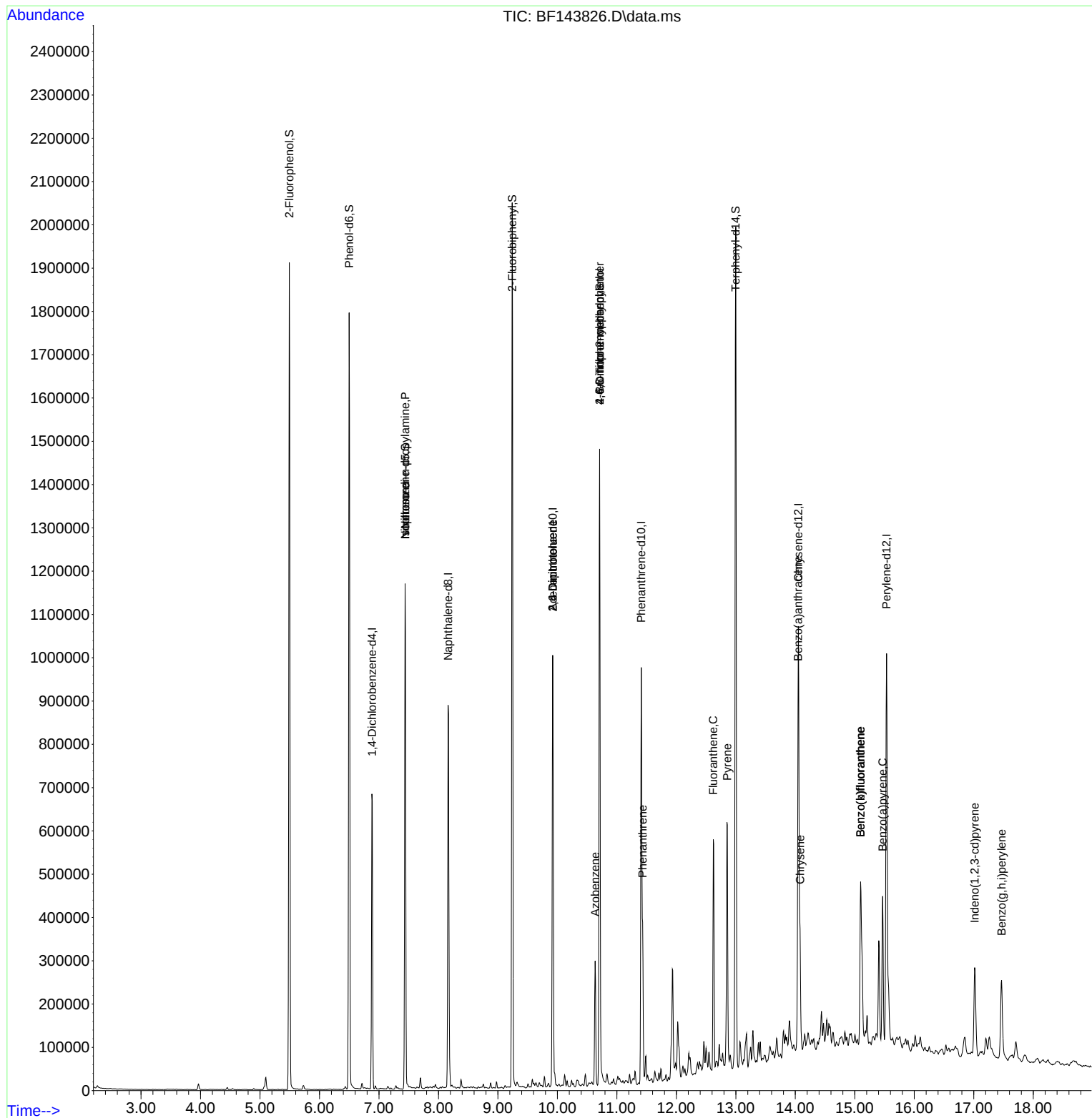
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	139020	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	549925	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	295867	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	486043	20.000	ng	0.00
76) Chrysene-d12	14.051	240	433995	20.000	ng	-0.01
86) Perylene-d12	15.533	264	615540	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	646268	75.528	ng	0.00
7) Phenol-d6	6.498	99	788483	79.752	ng	-0.01
23) Nitrobenzene-d5	7.439	82	463374	51.578	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	327818	74.831	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	914561	48.237	ng	0.00
79) Terphenyl-d14	12.998	244	1080509	50.634	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	64633	10.166	ng	# 72
25) Isophorone	7.439	82	458269	26.176	ng	# 66
51) 2,6-Dinitrotoluene	9.922	165	37934	12.803	ng	# 17
57) 2,4-Dinitrotoluene	9.922	165	37934	11.021	ng	# 20
63) Azobenzene	10.633	77	70516	3.964	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.710	198	377	4.403	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	19593	2.365	ng	# 1
71) Phenanthrene	11.433	178	184757	7.404	ng	98
75) Fluoranthene	12.621	202	310200	12.360	ng	99
78) Pyrene	12.857	202	341635	16.011	ng	99
81) Benzo(a)anthracene	14.045	228	186117	7.983	ng	97
83) Chrysene	14.080	228	150880	7.152	ng	97
87) Indeno(1,2,3-cd)pyrene	17.015	276	187412	4.013	ng	95
88) Benzo(b)fluoranthene	15.098	252	391723	12.497	ng	# 99
89) Benzo(k)fluoranthene	15.098	252	391723	12.439	ng	99
90) Benzo(a)pyrene	15.468	252	246096	8.352	ng	99
92) Benzo(g,h,i)perylene	17.468	276	194408	5.280	ng	99

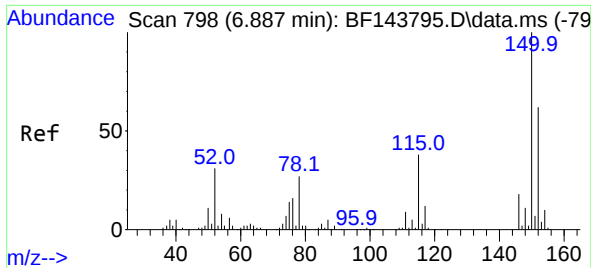
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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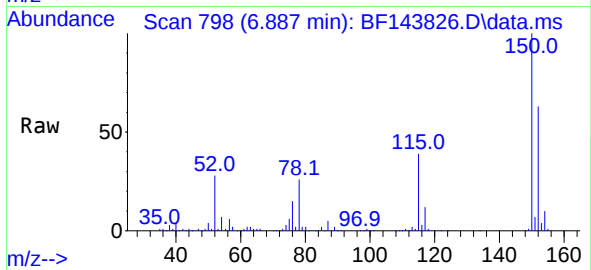
Quant Time: Sep 29 17:37:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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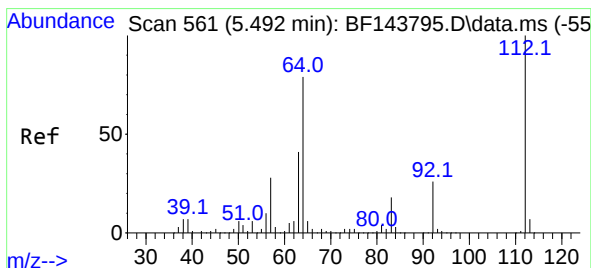
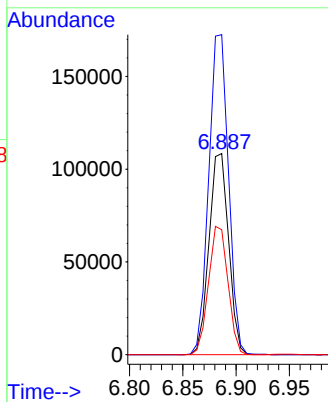
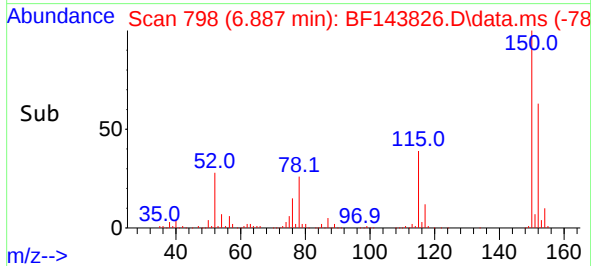


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF143826.D
Acq: 29 Sep 2025 17:13

Instrument :
BNA_F
ClientSampleId :
WC-2

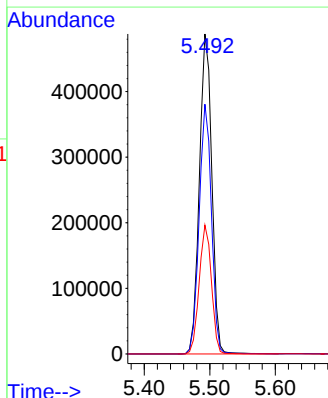
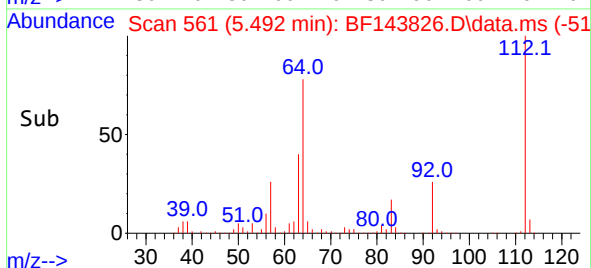
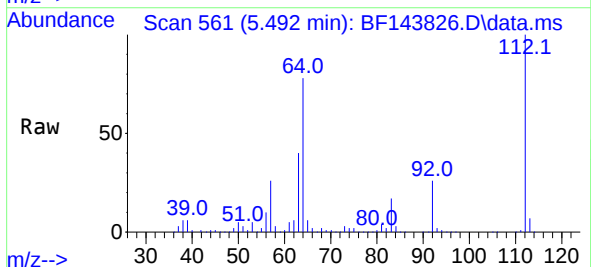


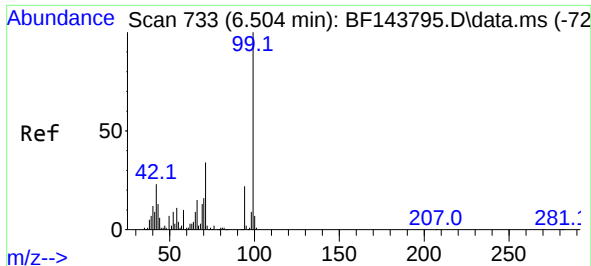
Tgt Ion:152 Resp: 139020
Ion Ratio Lower Upper
152 100
150 159.1 129.6 194.4
115 62.1 49.0 73.4



#5
2-Fluorophenol
Concen: 75.528 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF143826.D
Acq: 29 Sep 2025 17:13

Tgt Ion:112 Resp: 646268
Ion Ratio Lower Upper
112 100
64 78.1 63.0 94.4
63 40.3 32.6 49.0

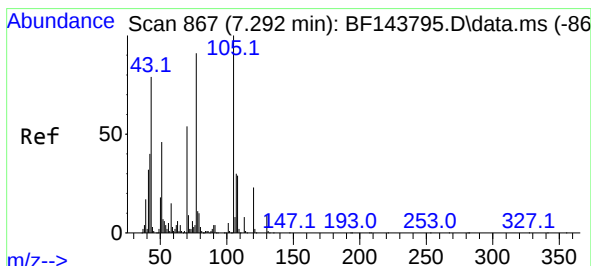
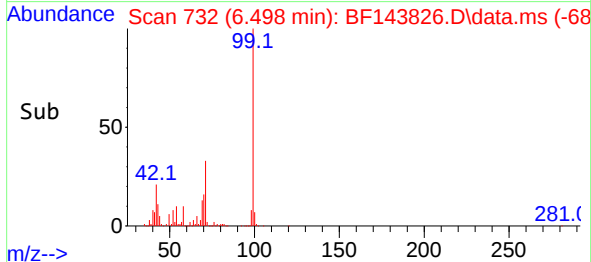
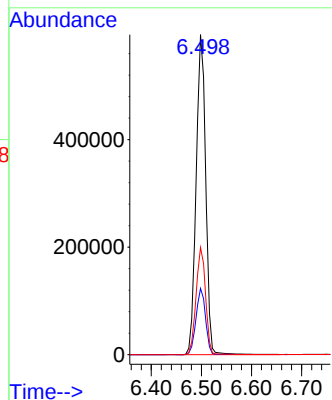
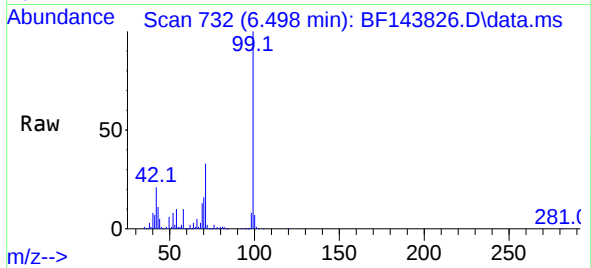




#7
Phenol-d6
Concen: 79.752 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143826.D
Acq: 29 Sep 2025 17:13

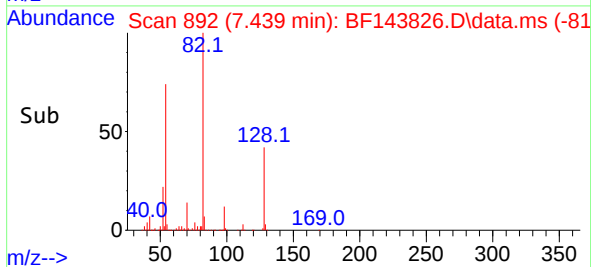
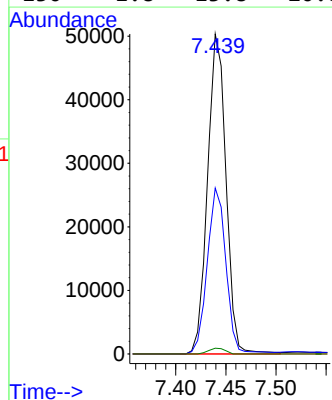
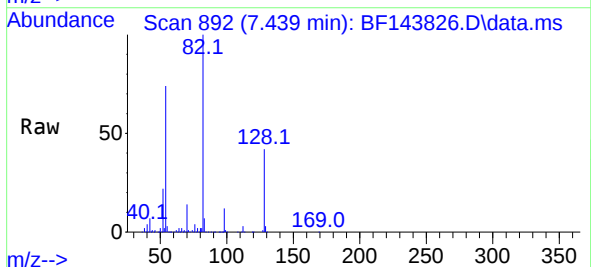
Instrument :
BNA_F
ClientSampleId :
WC-2

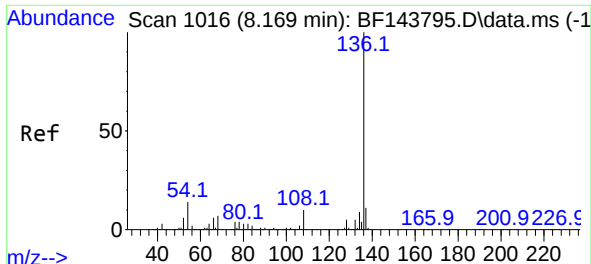
Tgt Ion: 99 Resp: 788483
Ion Ratio Lower Upper
99 100
42 20.7 18.6 28.0
71 33.5 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.166 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF143826.D
Acq: 29 Sep 2025 17:13

Tgt Ion: 70 Resp: 64633
Ion Ratio Lower Upper
70 100
42 51.9 59.4 89.0#
101 0.0 7.1 10.7#
130 1.8 13.8 20.8#



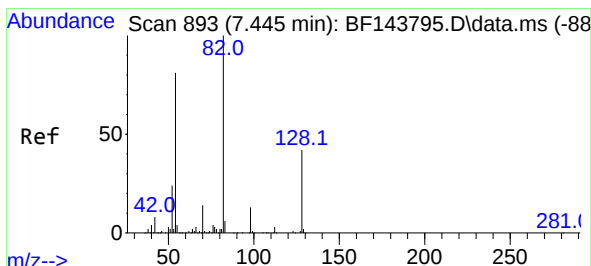
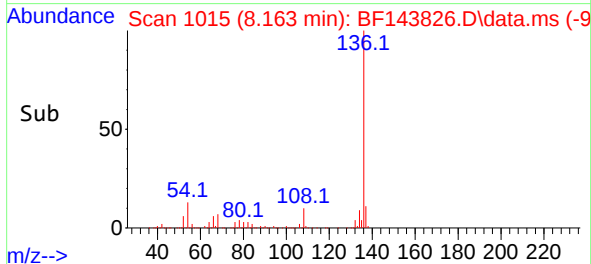
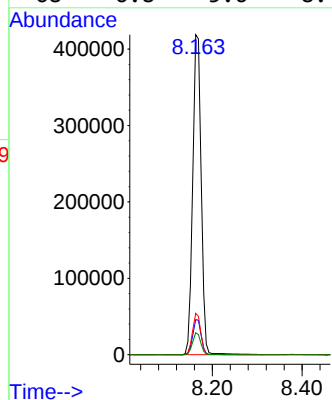
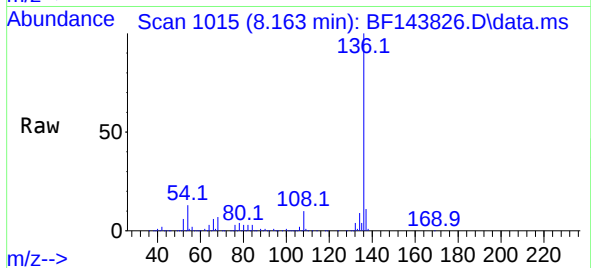


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143826.D
Acq: 29 Sep 2025 17:13

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:136 Resp: 549925

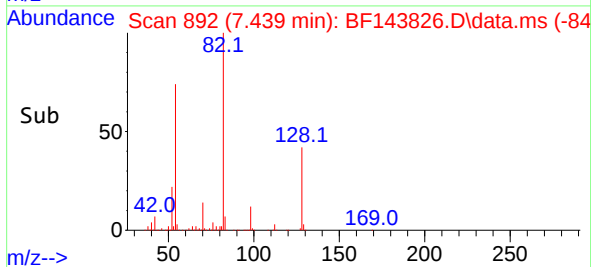
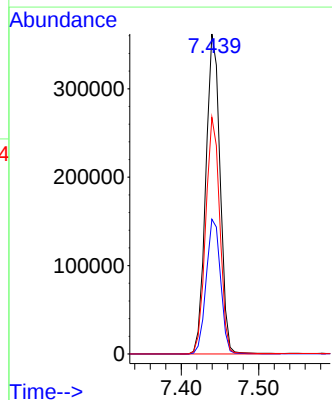
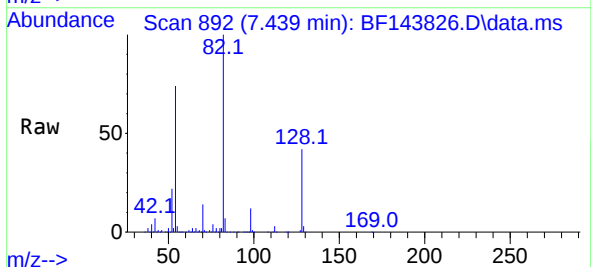
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	12.9	11.2	16.8
68	6.8	5.6	8.4

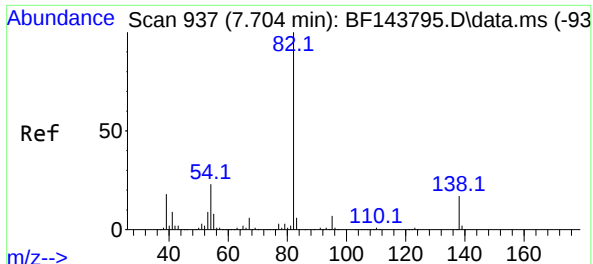


#23
Nitrobenzene-d5
Concen: 51.578 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF143826.D
Acq: 29 Sep 2025 17:13

Tgt Ion: 82 Resp: 463374

Ion	Ratio	Lower	Upper
82	100		
128	42.1	33.3	49.9
54	74.0	64.2	96.4

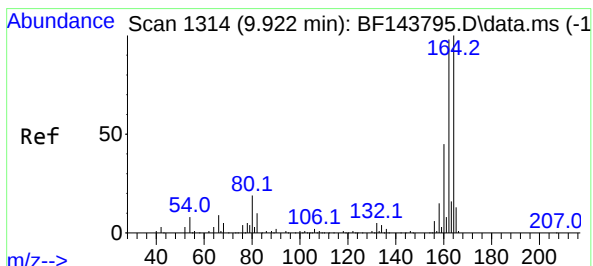
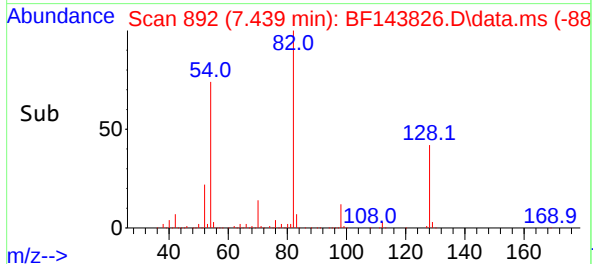
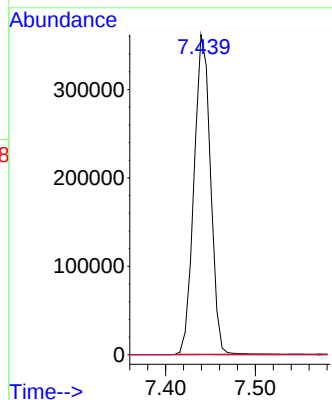
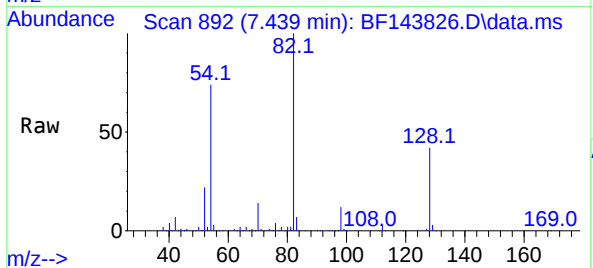




#25
Isophorone
Concen: 26.176 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.271 min
Lab File: BF143826.D
Acq: 29 Sep 2025 17:13

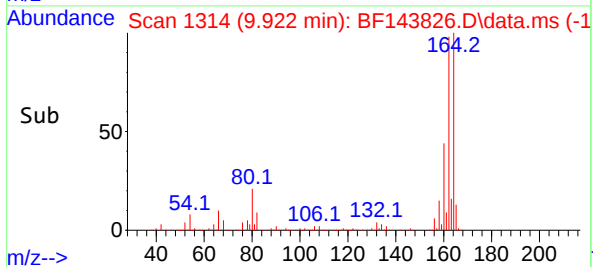
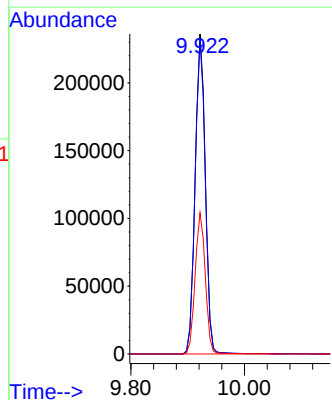
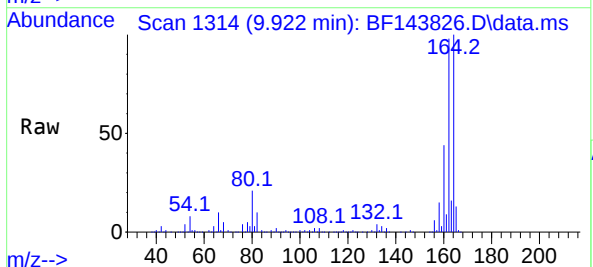
Instrument :
BNA_F
ClientSampleId :
WC-2

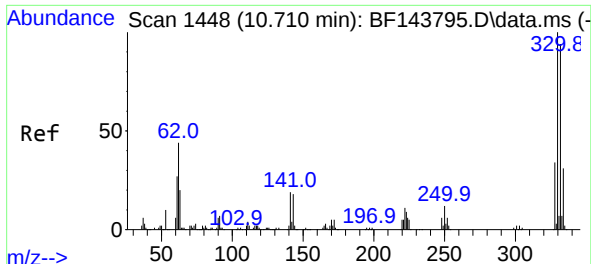
Tgt Ion: 82 Resp: 458269
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143826.D
Acq: 29 Sep 2025 17:13

Tgt Ion:164 Resp: 295867
Ion Ratio Lower Upper
164 100
162 98.1 78.8 118.2
160 44.1 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 74.831 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.006 min

Lab File: BF143826.D

Acq: 29 Sep 2025 17:13

Instrument :

BNA_F

ClientSampleId :

WC-2

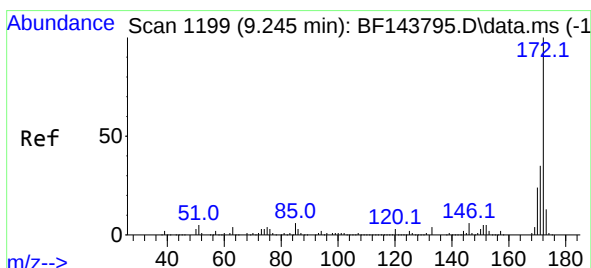
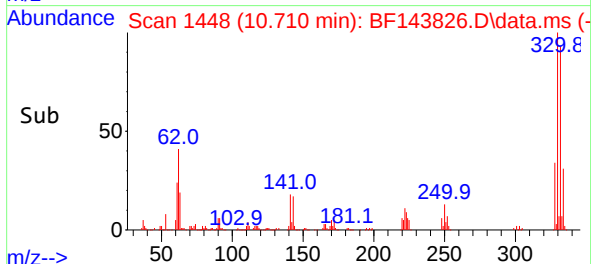
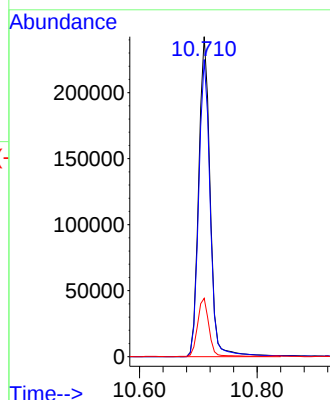
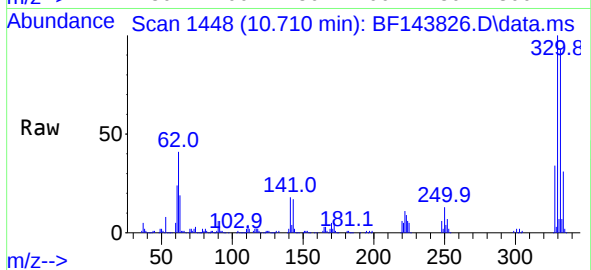
Tgt Ion:330 Resp: 327818

Ion Ratio Lower Upper

330 100

332 93.2 74.7 112.1

141 18.4 14.3 21.5



#45

2-Fluorobiphenyl

Concen: 48.237 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF143826.D

Acq: 29 Sep 2025 17:13

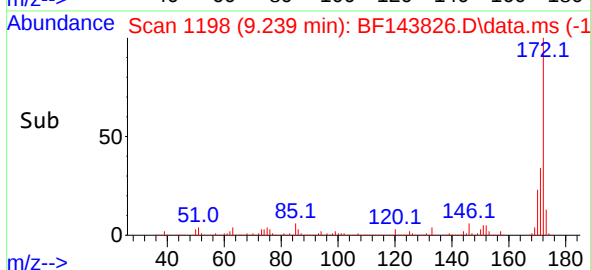
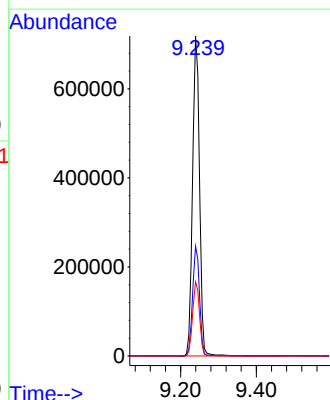
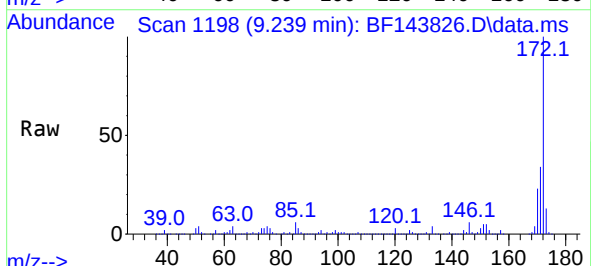
Tgt Ion:172 Resp: 914561

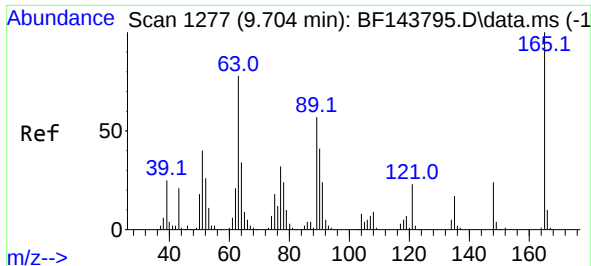
Ion Ratio Lower Upper

172 100

171 34.3 27.9 41.9

170 23.2 19.1 28.7

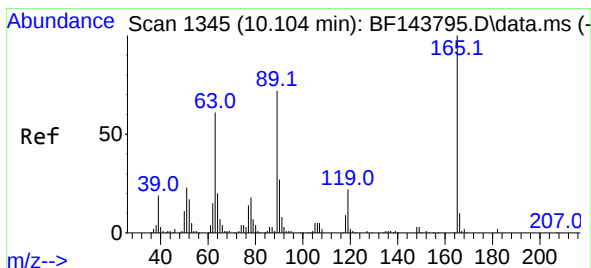
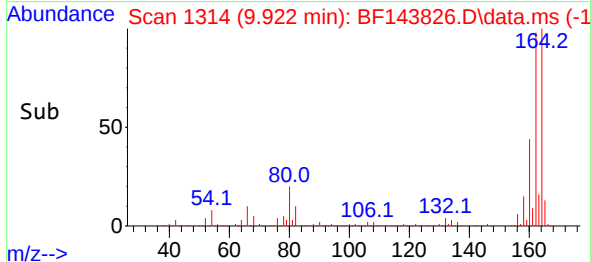
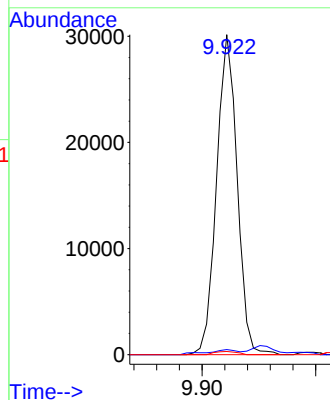
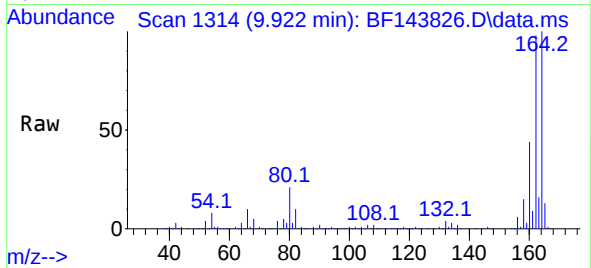




#51
2,6-Dinitrotoluene
Concen: 12.803 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.218 min
Lab File: BF143826.D
Acq: 29 Sep 2025 17:13

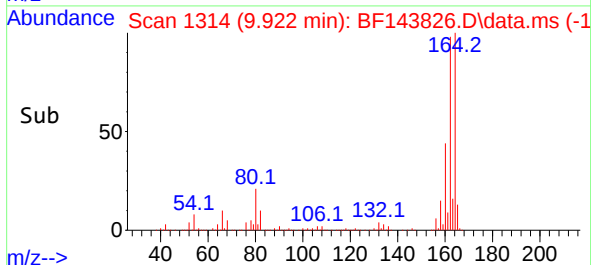
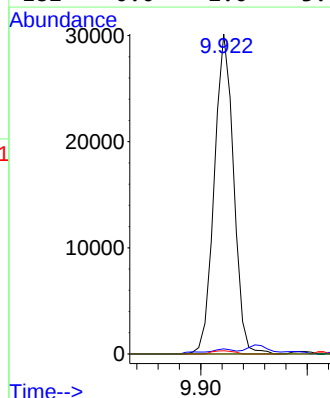
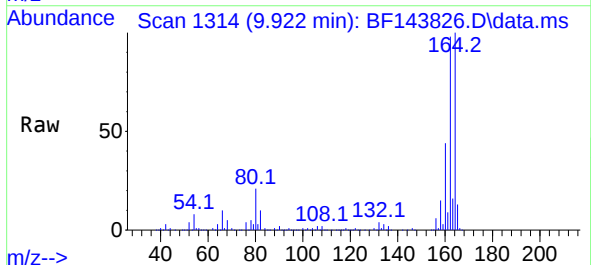
Instrument :
BNA_F
ClientSampleId :
WC-2

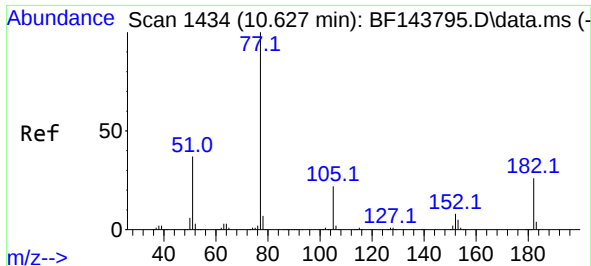
Tgt Ion:165 Resp: 37934
Ion Ratio Lower Upper
165 100
63 1.6 62.6 94.0#
89 1.0 45.2 67.8#



#57
2,4-Dinitrotoluene
Concen: 11.021 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.188 min
Lab File: BF143826.D
Acq: 29 Sep 2025 17:13

Tgt Ion:165 Resp: 37934
Ion Ratio Lower Upper
165 100
63 1.6 48.9 73.3#
89 1.0 57.5 86.3#
182 0.0 2.0 3.0#

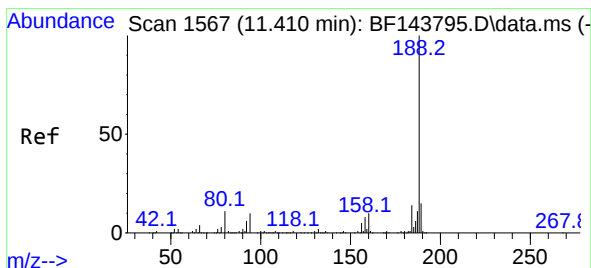
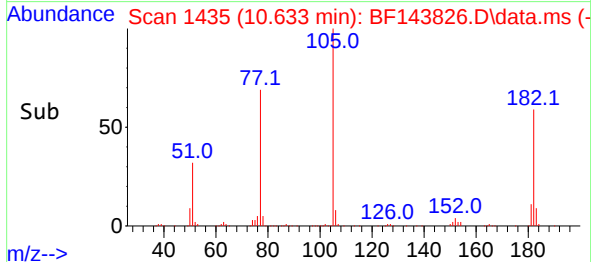
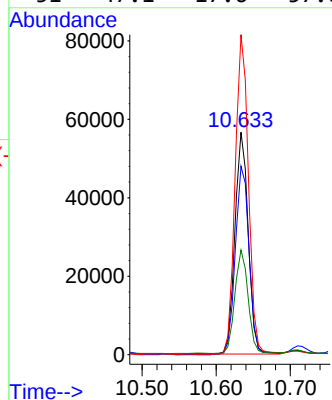
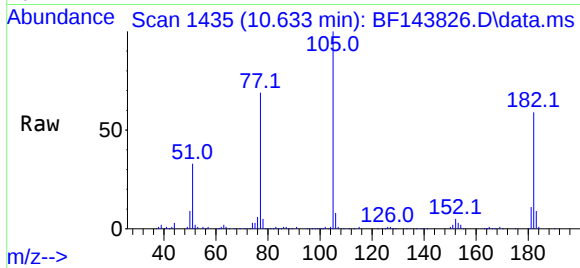




#63
Azobenzene
Concen: 3.964 ng
RT: 10.633 min Scan# 1434
Delta R.T. 0.006 min
Lab File: BF143826.D
Acq: 29 Sep 2025 17:13

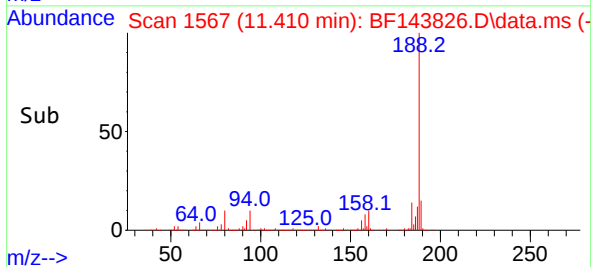
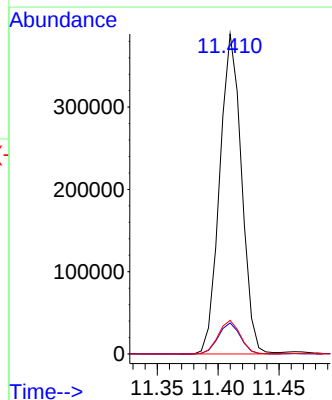
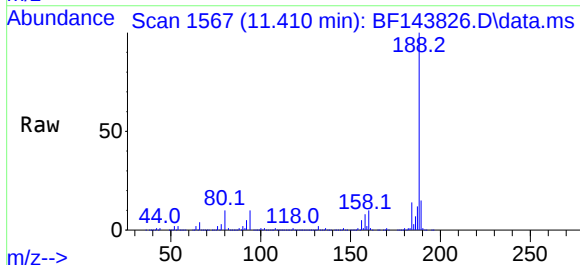
Instrument :
BNA_F
ClientSampleId :
WC-2

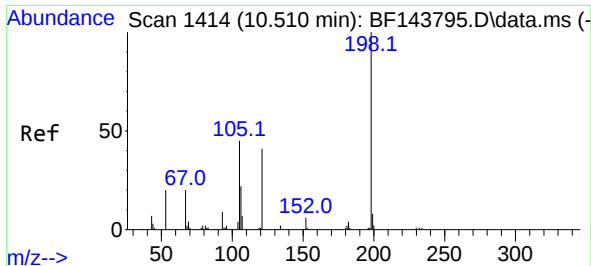
Tgt Ion: 77 Resp: 70516
Ion Ratio Lower Upper
77 100
182 84.8 5.9 45.9#
105 143.9 2.3 42.3#
51 47.1 17.6 57.6



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143826.D
Acq: 29 Sep 2025 17:13

Tgt Ion: 188 Resp: 486043
Ion Ratio Lower Upper
188 100
94 9.7 8.2 12.2
80 10.5 8.6 12.8

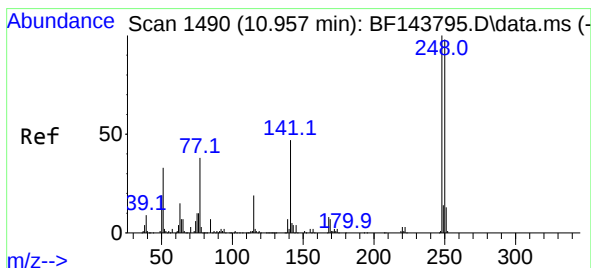
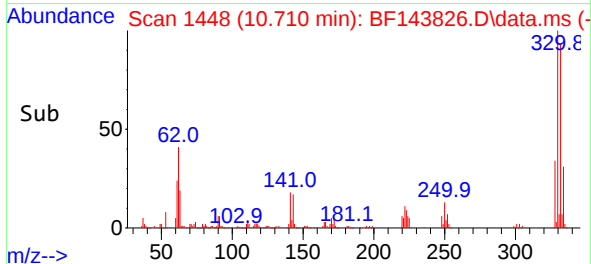
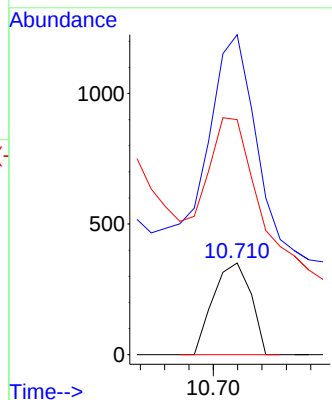
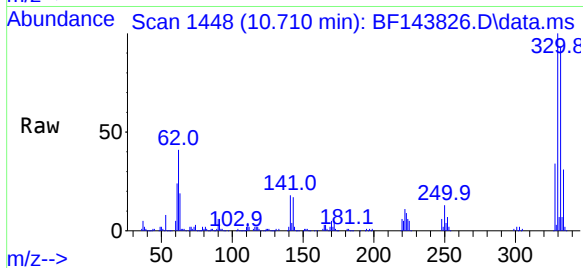




#65
4,6-Dinitro-2-methylphenol
Concen: 4.403 ng
RT: 10.710 min Scan# 1414
Delta R.T. 0.194 min
Lab File: BF143826.D
Acq: 29 Sep 2025 17:13

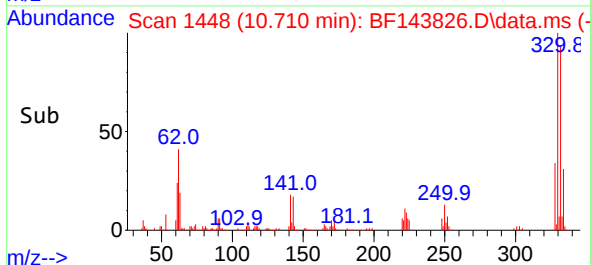
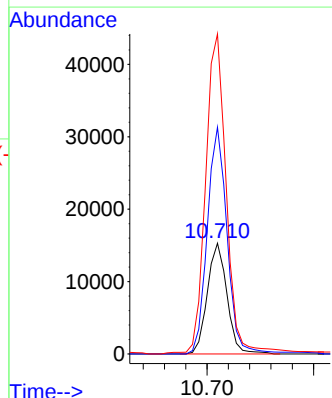
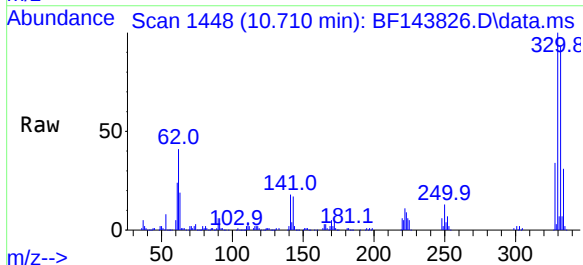
Instrument :
BNA_F
ClientSampleId :
WC-2

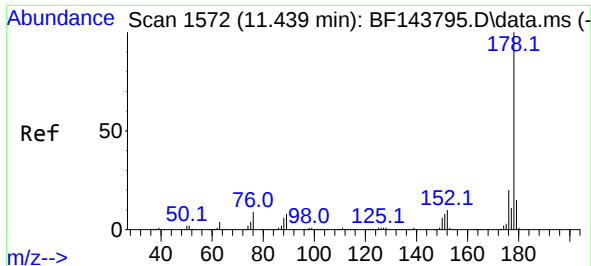
Tgt Ion:198 Resp: 377
Ion Ratio Lower Upper
198 100
51 349.0 52.0 92.0#
105 256.4 27.5 67.5#



#67
4-Bromophenyl-phenylether
Concen: 2.365 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.247 min
Lab File: BF143826.D
Acq: 29 Sep 2025 17:13

Tgt Ion:248 Resp: 19593
Ion Ratio Lower Upper
248 100
250 204.7 78.7 118.1#
141 288.9 37.9 56.9#

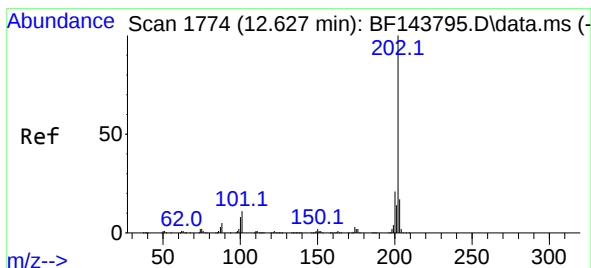
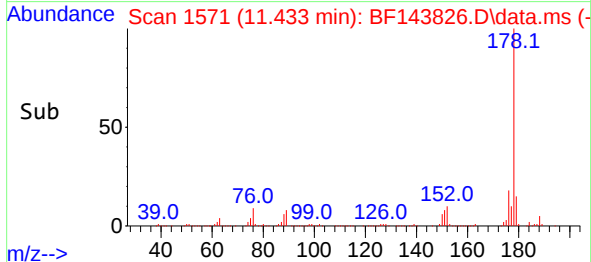
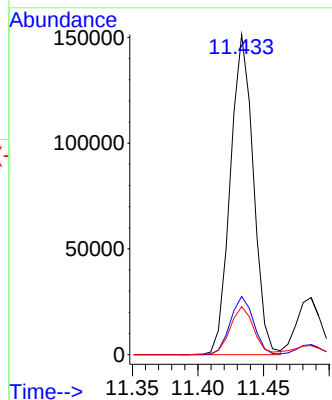
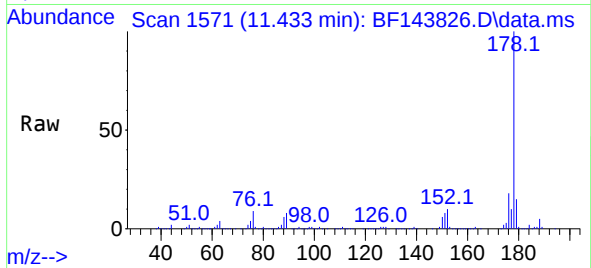




#71
Phenanthrene
Concen: 7.404 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143826.D
Acq: 29 Sep 2025 17:13

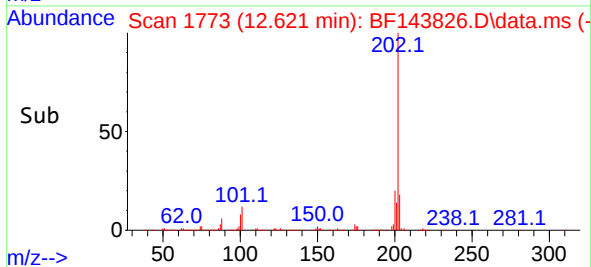
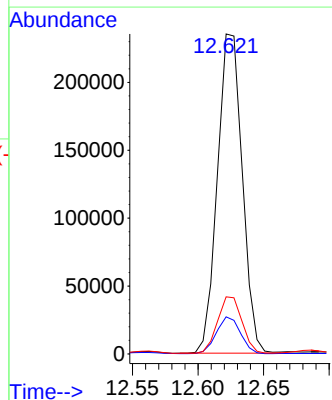
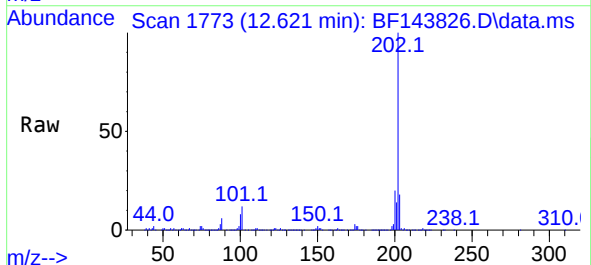
Instrument :
BNA_F
ClientSampleId :
WC-2

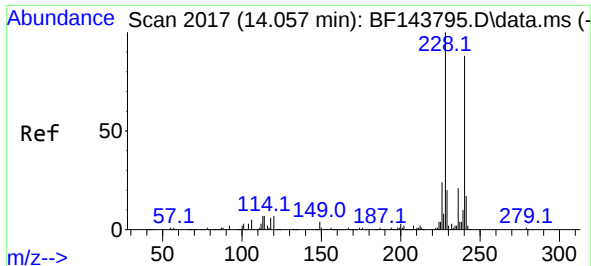
Tgt Ion:178 Resp: 184757
Ion Ratio Lower Upper
178 100
176 18.2 15.6 23.4
179 15.0 12.2 18.4



#75
Fluoranthene
Concen: 12.360 ng
RT: 12.621 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF143826.D
Acq: 29 Sep 2025 17:13

Tgt Ion:202 Resp: 310200
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.1
203 17.9 0.0 37.4

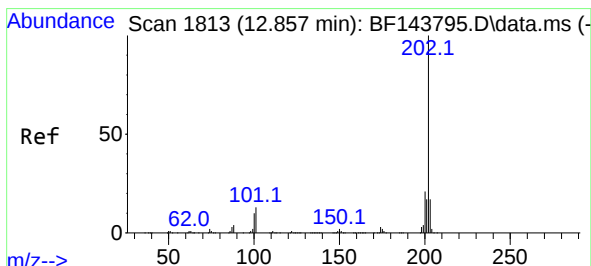
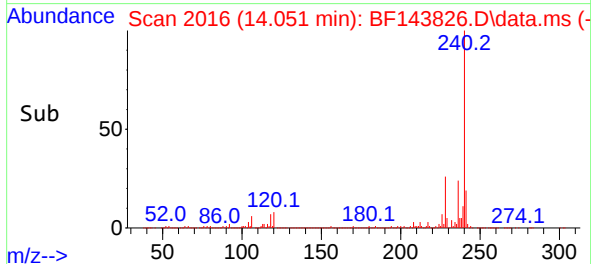
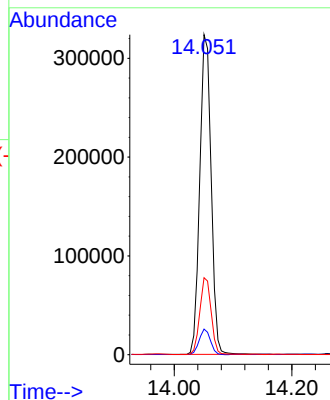
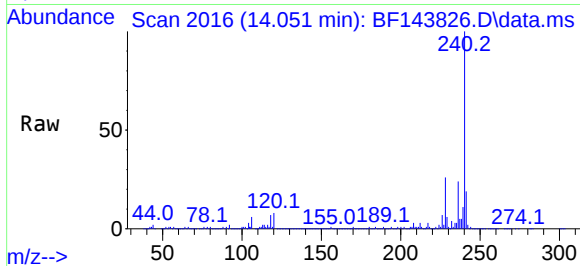




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF143826.D
Acq: 29 Sep 2025 17:13

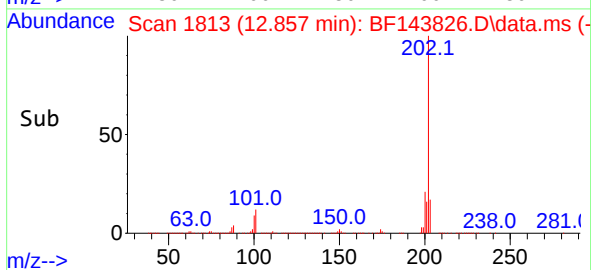
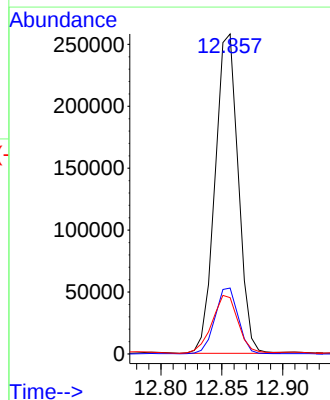
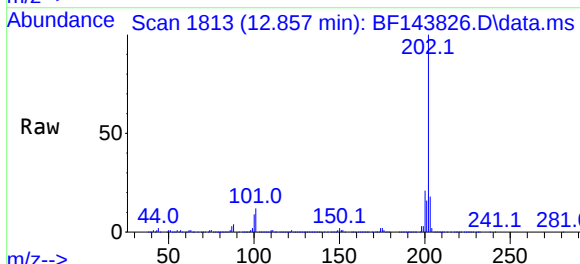
Instrument :
BNA_F
ClientSampleId :
WC-2

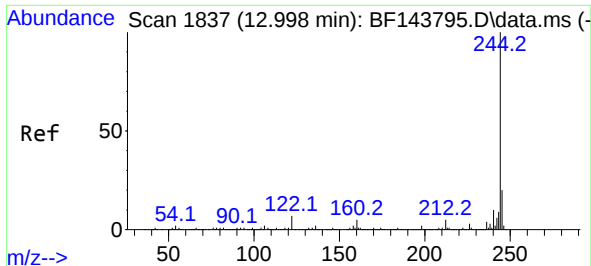
Tgt Ion:240 Resp: 433995
Ion Ratio Lower Upper
240 100
120 8.0 6.2 9.4
236 24.0 19.4 29.2



#78
Pyrene
Concen: 16.011 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.000 min
Lab File: BF143826.D
Acq: 29 Sep 2025 17:13

Tgt Ion:202 Resp: 341635
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.4
203 17.6 13.9 20.9

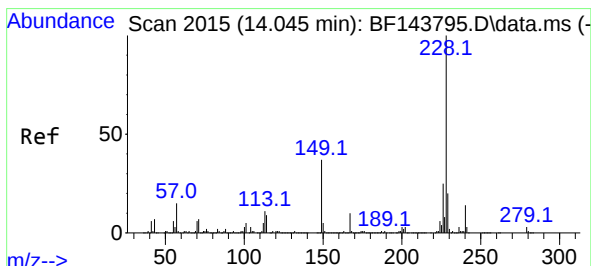
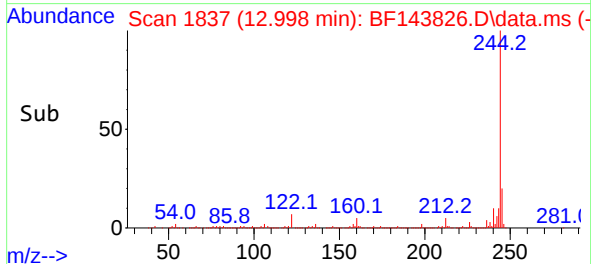
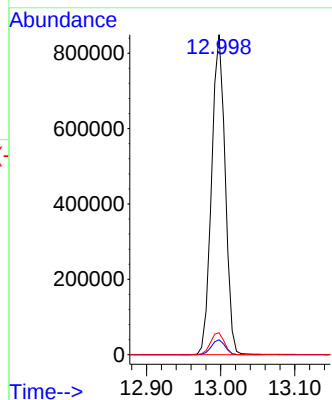
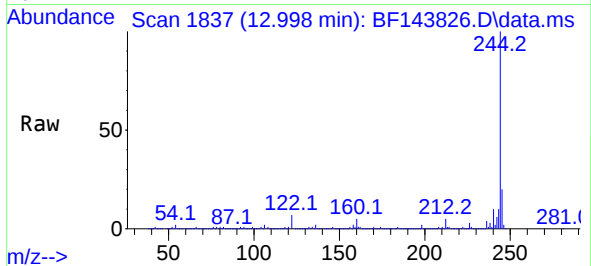




#79
 Terphenyl-d14
 Concen: 50.634 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. -0.006 min
 Lab File: BF143826.D
 Acq: 29 Sep 2025 17:13

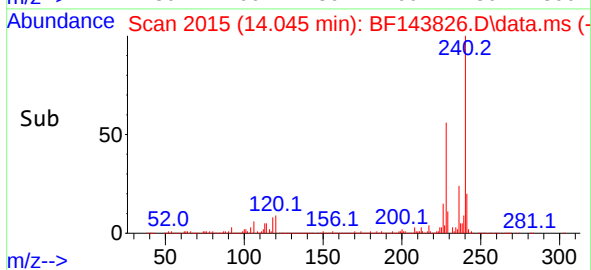
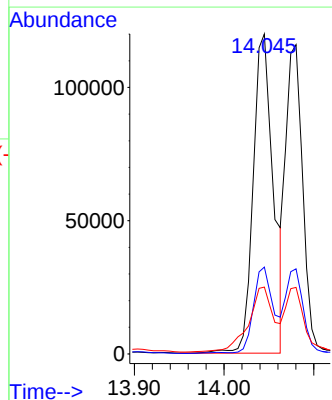
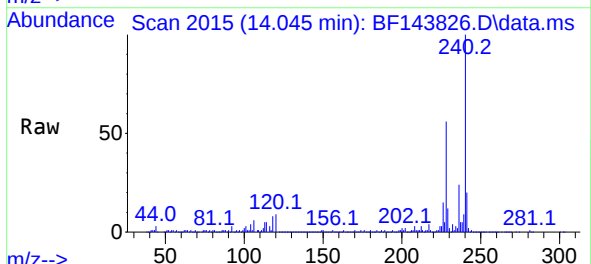
Instrument :
 BNA_F
 ClientSampleId :
 WC-2

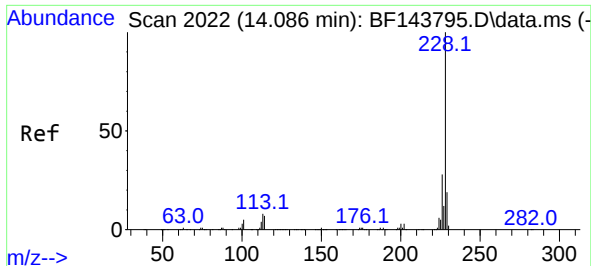
Tgt Ion:244 Resp: 1080509
 Ion Ratio Lower Upper
 244 100
 212 4.7 3.9 5.9
 122 6.8 5.6 8.4



#81
 Benzo(a)anthracene
 Concen: 7.983 ng
 RT: 14.045 min Scan# 2015
 Delta R.T. -0.006 min
 Lab File: BF143826.D
 Acq: 29 Sep 2025 17:13

Tgt Ion:228 Resp: 186117
 Ion Ratio Lower Upper
 228 100
 226 27.2 20.2 30.2
 229 20.9 16.1 24.1

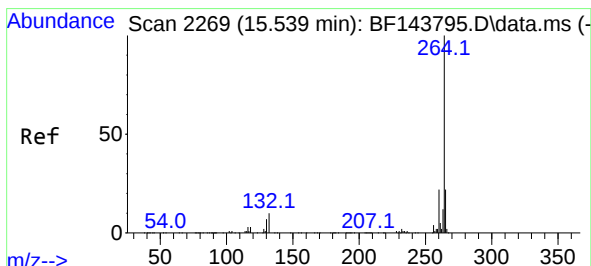
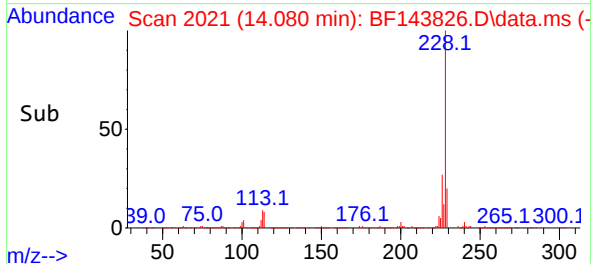
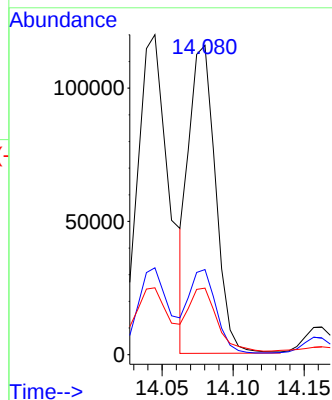
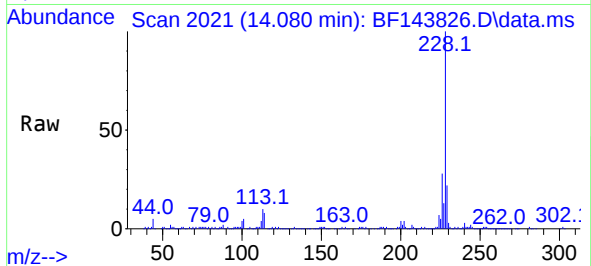




#83
Chrysene
Concen: 7.152 ng
RT: 14.080 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143826.D
Acq: 29 Sep 2025 17:13

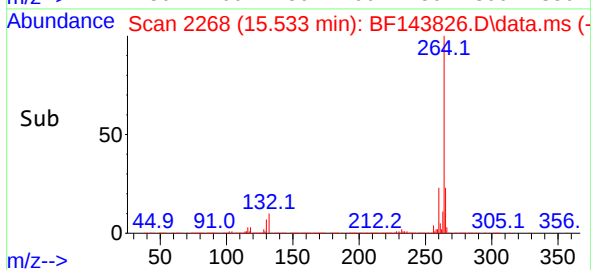
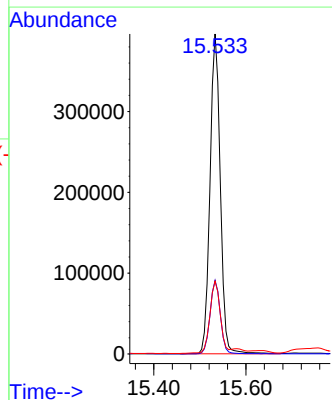
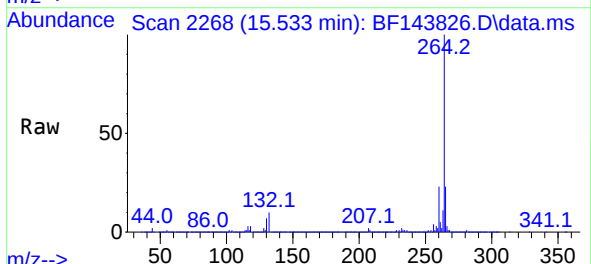
Instrument :
BNA_F
ClientSampleId :
WC-2

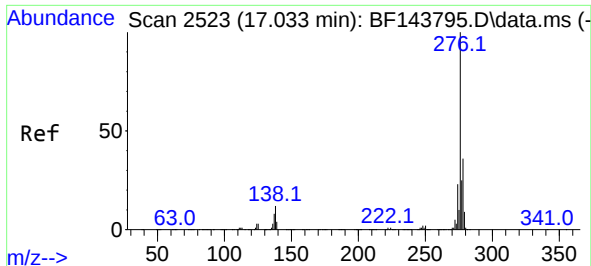
Tgt Ion:228 Resp: 150880
Ion Ratio Lower Upper
228 100
226 27.6 22.6 33.8
229 21.5 15.6 23.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143826.D
Acq: 29 Sep 2025 17:13

Tgt Ion:264 Resp: 615540
Ion Ratio Lower Upper
264 100
260 23.0 17.9 26.9
265 22.7 17.7 26.5

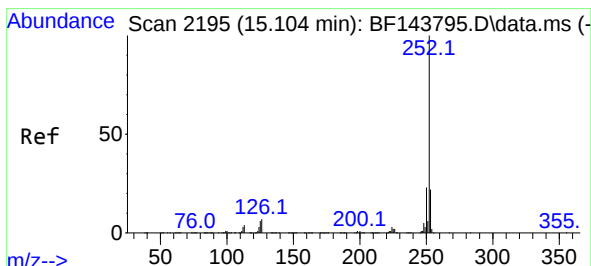
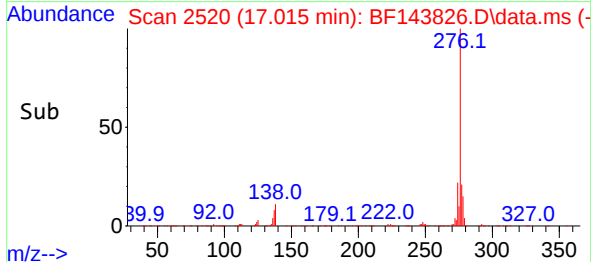
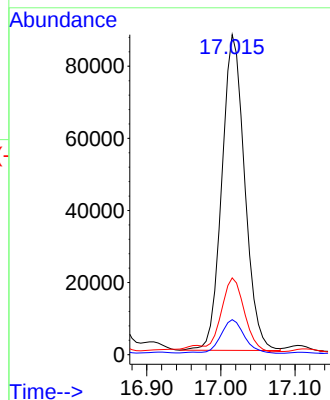
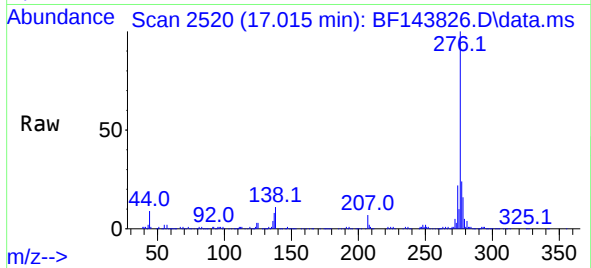




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.013 ng
RT: 17.015 min Scan# 2194
Delta R.T. -0.029 min
Lab File: BF143826.D
Acq: 29 Sep 2025 17:13

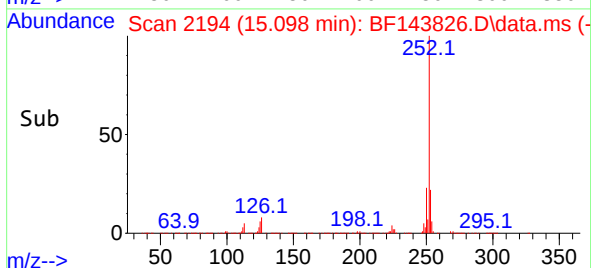
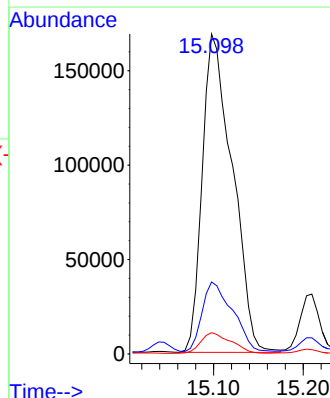
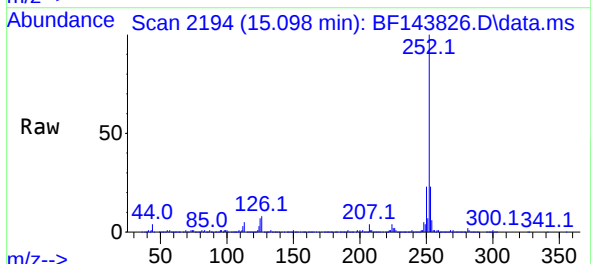
Instrument :
BNA_F
ClientSampleId :
WC-2

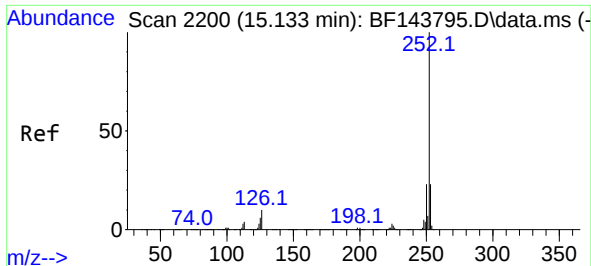
Tgt Ion:276 Resp: 187412
Ion Ratio Lower Upper
276 100
138 11.2 10.6 15.8
277 23.7 20.7 31.1



#88
Benzo(b)fluoranthene
Concen: 12.497 ng
RT: 15.098 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF143826.D
Acq: 29 Sep 2025 17:13

Tgt Ion:252 Resp: 391723
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 6.7 4.4 6.6#

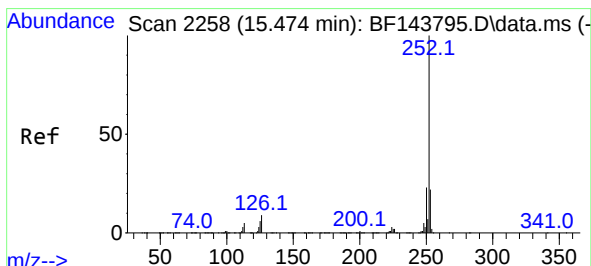
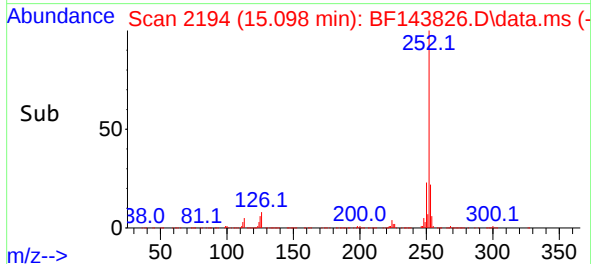
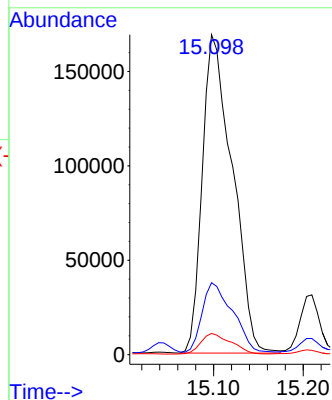
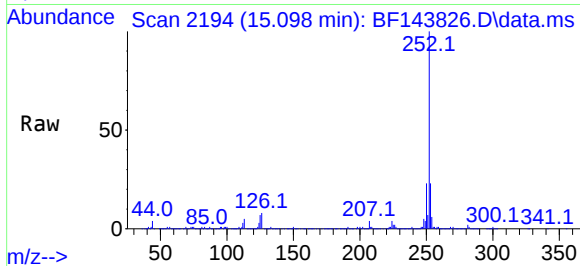




#89
Benzo(k)fluoranthene
Concen: 12.439 ng
RT: 15.098 min Scan# 2194
Delta R.T. -0.041 min
Lab File: BF143826.D
Acq: 29 Sep 2025 17:13

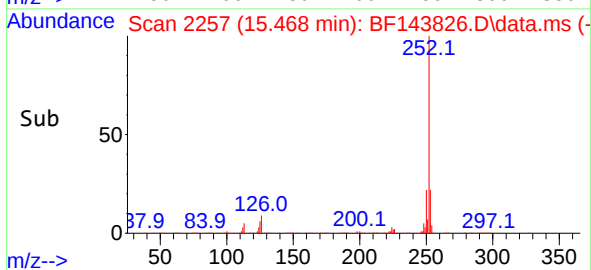
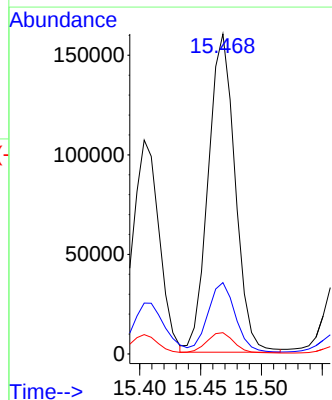
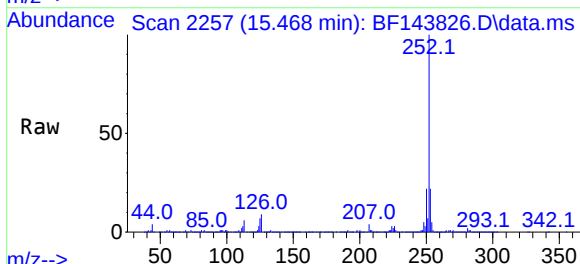
Instrument :
BNA_F
ClientSampleId :
WC-2

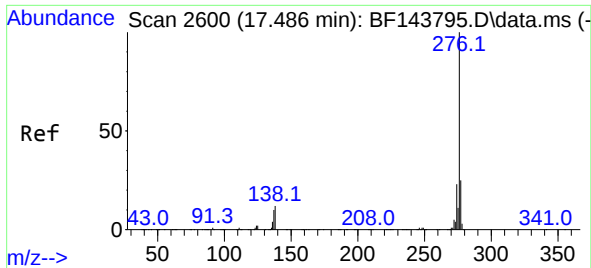
Tgt Ion:252 Resp: 391723
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 6.7 4.6 6.8



#90
Benzo(a)pyrene
Concen: 8.352 ng
RT: 15.468 min Scan# 2257
Delta R.T. -0.012 min
Lab File: BF143826.D
Acq: 29 Sep 2025 17:13

Tgt Ion:252 Resp: 246096
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 6.6 5.0 7.4





#92
Benzo(g,h,i)perylene
Concen: 5.280 ng
RT: 17.468 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF143826.D
Acq: 29 Sep 2025 17:13

Instrument :
BNA_F
ClientSampleId :
WC-2

Tgt Ion:276 Resp: 194408
Ion Ratio Lower Upper
276 100
277 23.8 19.6 29.4
138 11.7 9.2 13.8

