

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092925\
 Data File : BF143828.D
 Acq On : 29 Sep 2025 18:12
 Operator : RC/JU
 Sample : Q3231-13DL 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4DL

Quant Time: Sep 29 18:43:10 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)

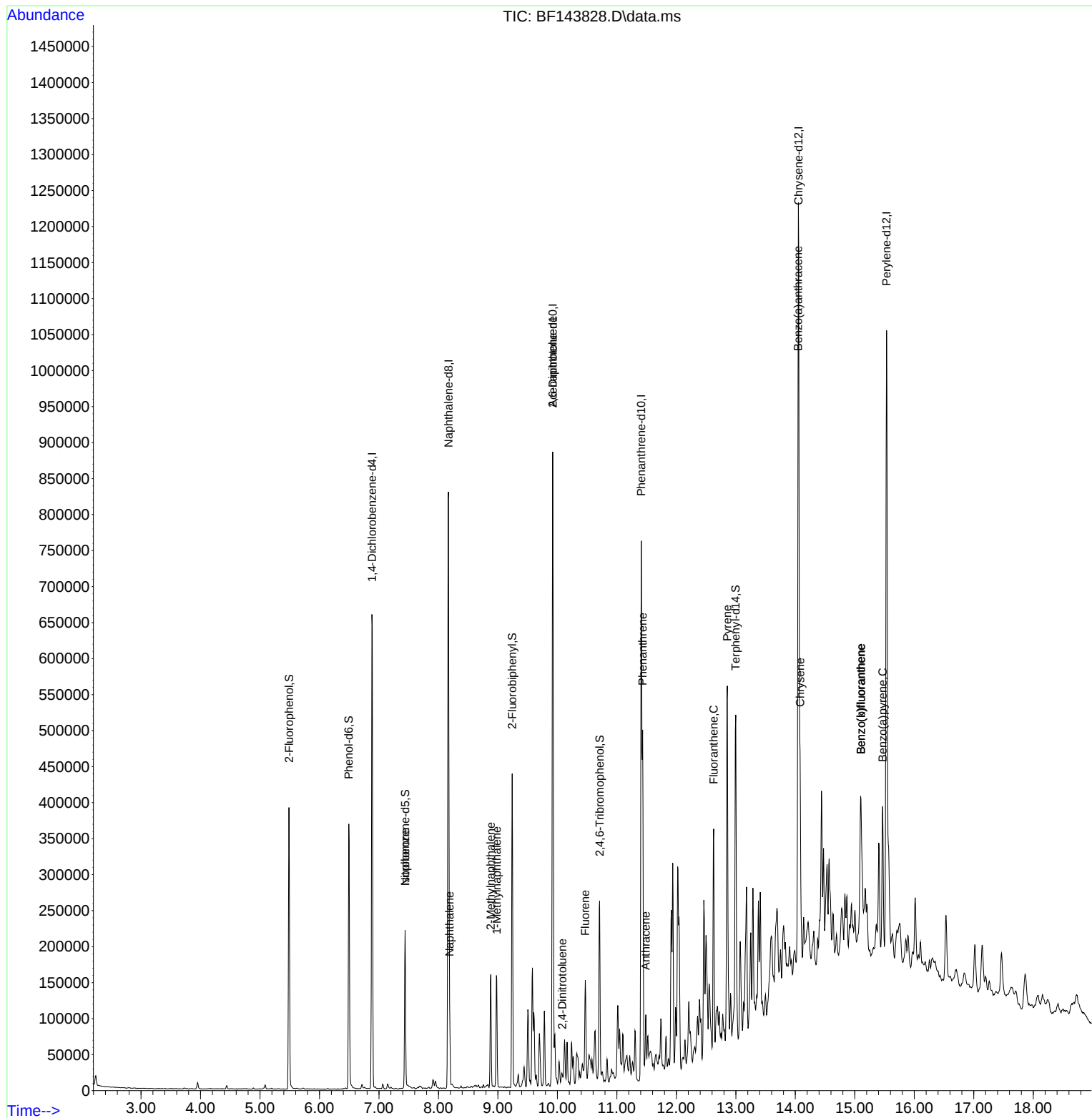
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	137695	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	506582	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	260754	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	375833	20.000	ng	0.00
76) Chrysene-d12	14.057	240	491458	20.000	ng	0.00
86) Perylene-d12	15.533	264	605206	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	132626	15.649	ng	-0.01
7) Phenol-d6	6.492	99	162955	16.641	ng	-0.02
23) Nitrobenzene-d5	7.439	82	84458	10.205	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	53747	13.921	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	191727	11.474	ng	0.00
79) Terphenyl-d14	12.998	244	241401	9.990	ng	0.00
Target Compounds						Qvalue
25) Isophorone	7.439	82	80375	4.984	ng	# 66
31) Naphthalene	8.186	128	49946	2.060	ng	98
37) 2-Methylnaphthalene	8.881	142	60292	3.899	ng	99
38) 1-Methylnaphthalene	8.980	142	58483	3.951	ng	100
51) 2,6-Dinitrotoluene	9.922	165	35786	13.705	ng	# 17
57) 2,4-Dinitrotoluene	10.080	165	1315	3.238	ng	# 48
58) Fluorene	10.469	166	55077	3.806	ng	99
71) Phenanthrene	11.433	178	247210	12.812	ng	99
72) Anthracene	11.486	178	43824	2.264	ng	99
75) Fluoranthene	12.627	202	156079	8.043	ng	99
78) Pyrene	12.857	202	291992	12.085	ng	99
81) Benzo(a)anthracene	14.045	228	162153	6.142	ng	# 86
83) Chrysene	14.080	228	159601	6.681	ng	# 94
88) Benzo(b)fluoranthene	15.104	252	189016	6.133	ng	# 97
89) Benzo(k)fluoranthene	15.104	252	189016	6.104	ng	# 97
90) Benzo(a)pyrene	15.468	252	143321	4.947	ng	97

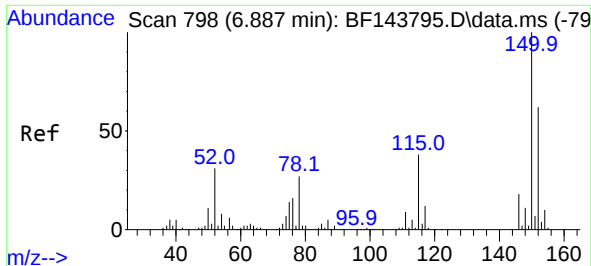
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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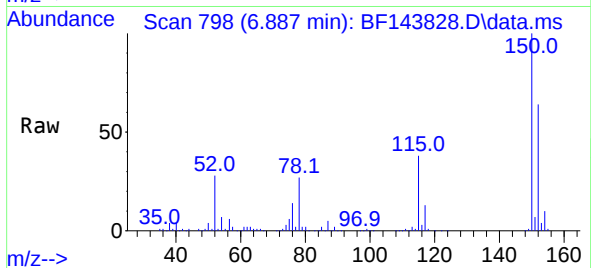
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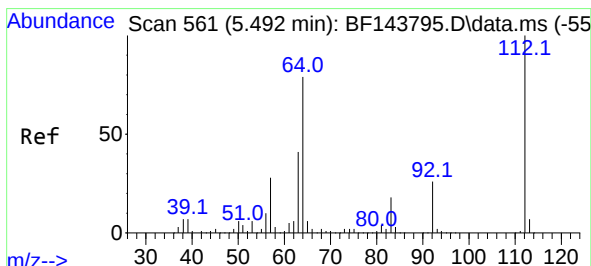
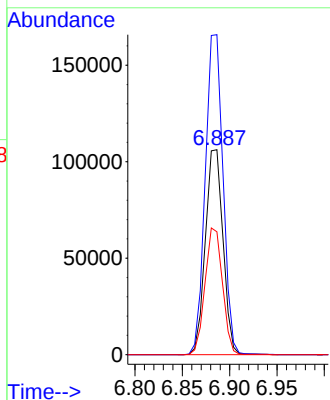
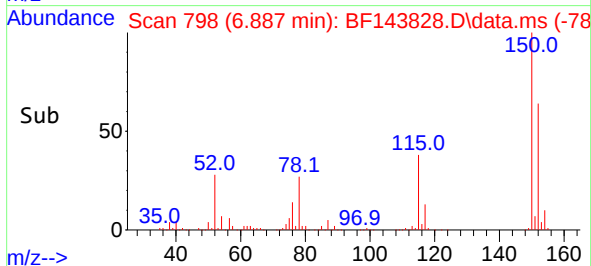


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

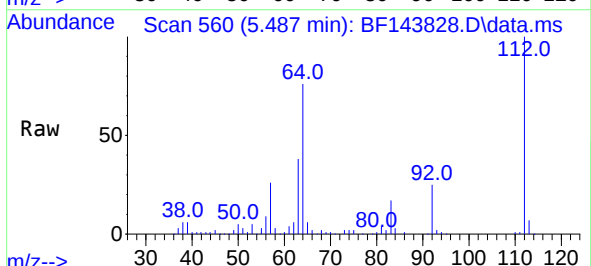
Instrument :
BNA_F
ClientSampleId :
WC-4DL



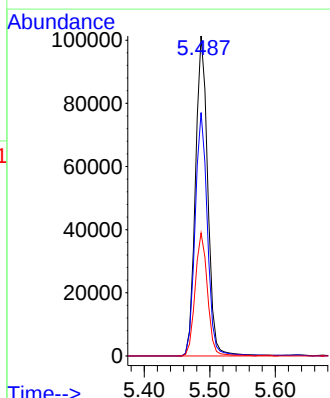
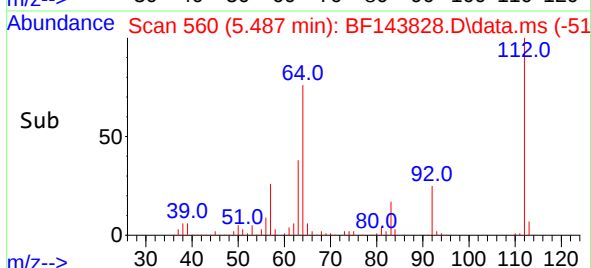
Tgt Ion:152 Resp: 137695
Ion Ratio Lower Upper
152 100
150 156.1 129.6 194.4
115 59.9 49.0 73.4

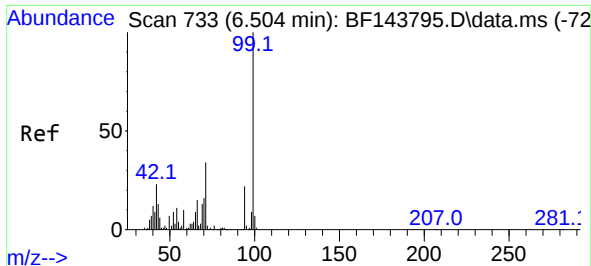


#5
2-Fluorophenol
Concen: 15.649 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.011 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12



Tgt Ion:112 Resp: 132626
Ion Ratio Lower Upper
112 100
64 76.1 63.0 94.4
63 38.5 32.6 49.0

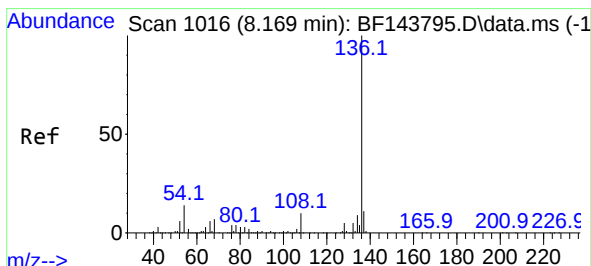
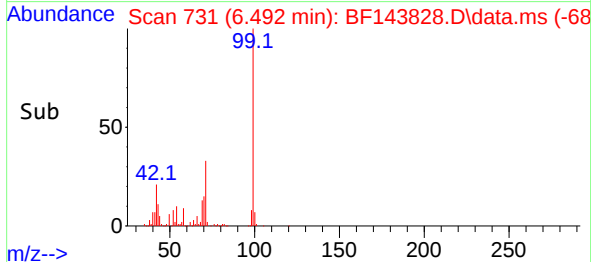
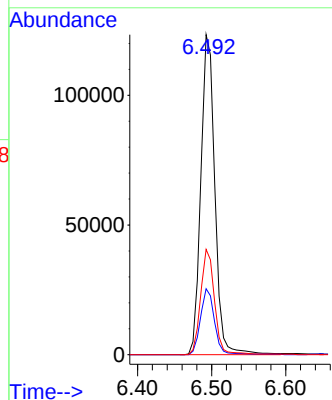
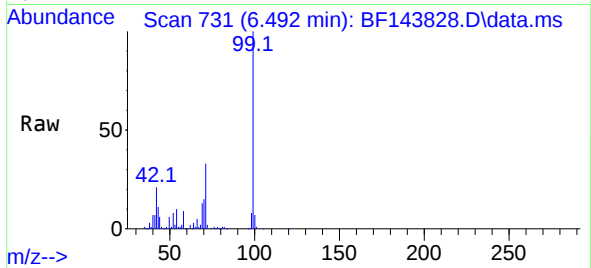




#7
Phenol-d6
Concen: 16.641 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

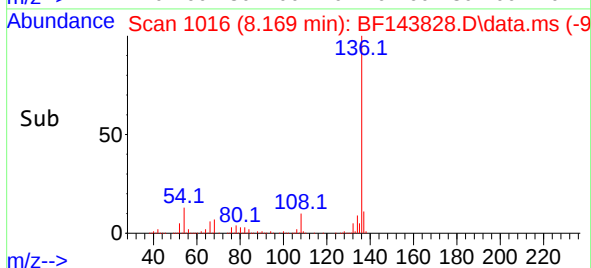
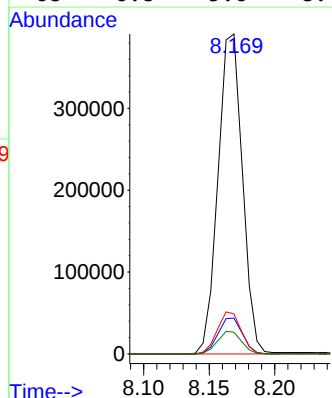
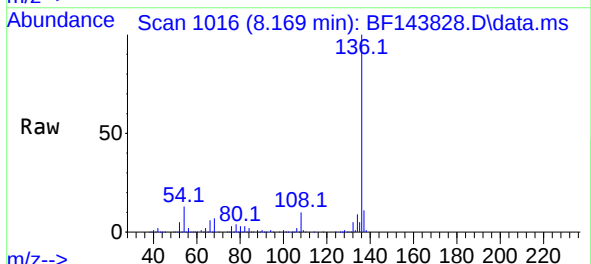
Instrument :
BNA_F
ClientSampleId :
WC-4DL

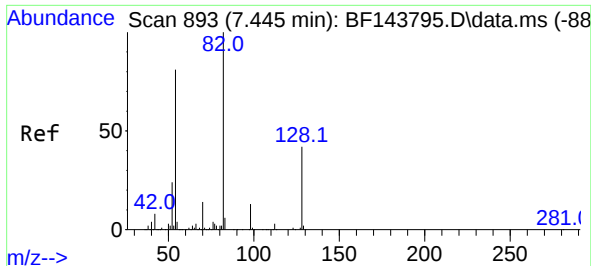
Tgt Ion: 99 Resp: 162955
Ion Ratio Lower Upper
99 100
42 20.6 18.6 28.0
71 32.9 27.0 40.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Tgt Ion:136 Resp: 506582
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.4
54 12.5 11.2 16.8
68 6.8 5.6 8.4





#23

Nitrobenzene-d5

Concen: 10.205 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.012 min

Lab File: BF143828.D

Acq: 29 Sep 2025 18:12

Instrument :

BNA_F

ClientSampleId :

WC-4DL

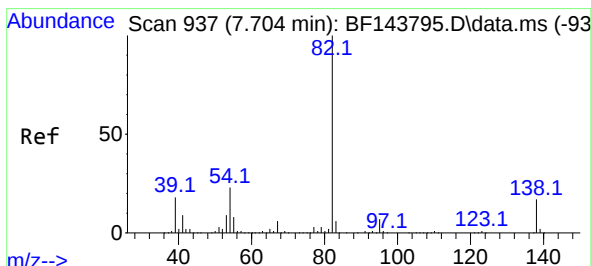
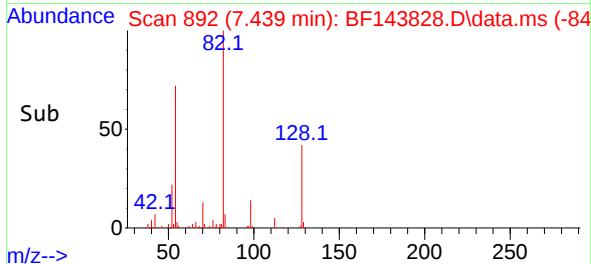
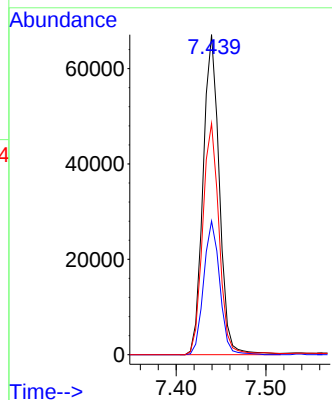
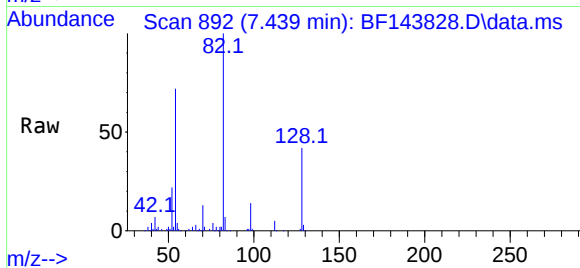
Tgt Ion: 82 Resp: 84458

Ion Ratio Lower Upper

82 100

128 41.7 33.3 49.9

54 72.3 64.2 96.4



#25

Isophorone

Concen: 4.984 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.271 min

Lab File: BF143828.D

Acq: 29 Sep 2025 18:12

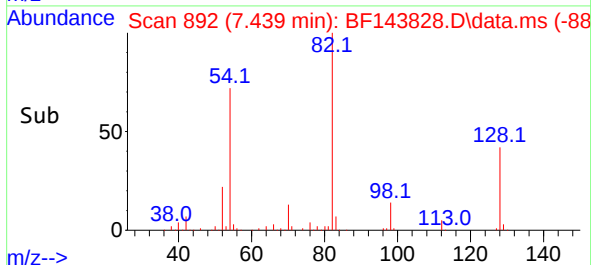
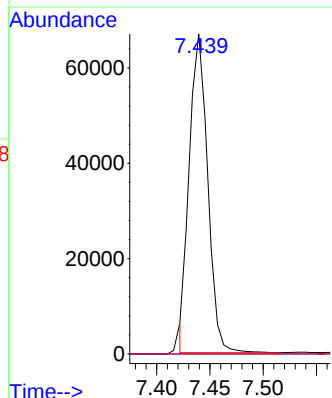
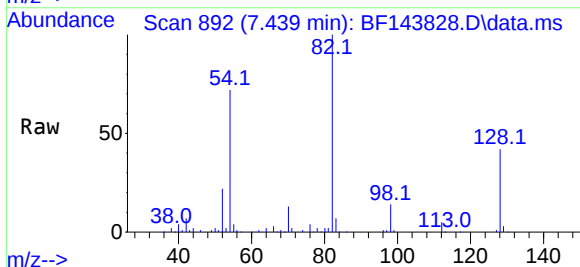
Tgt Ion: 82 Resp: 80375

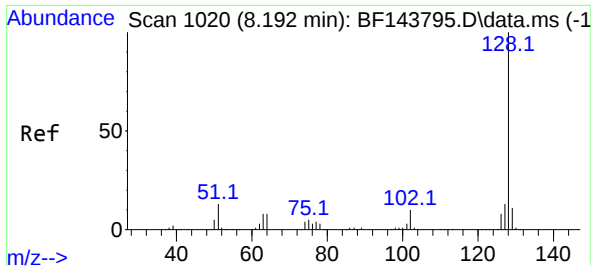
Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 13.7 20.5#

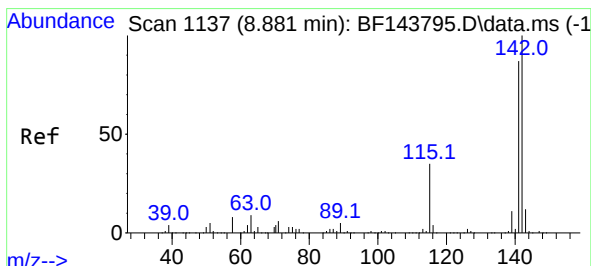
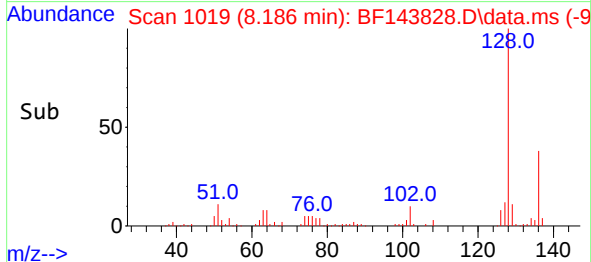
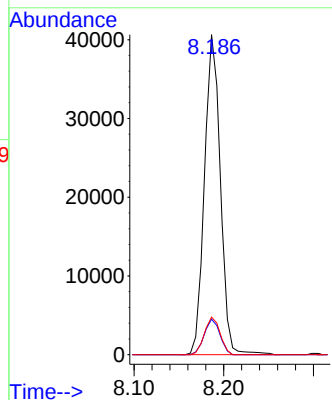
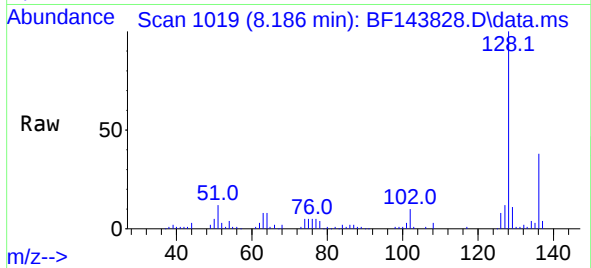




#31
Naphthalene
Concen: 2.060 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

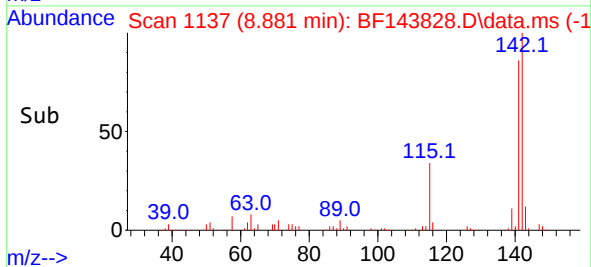
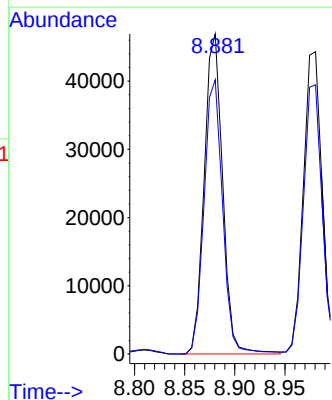
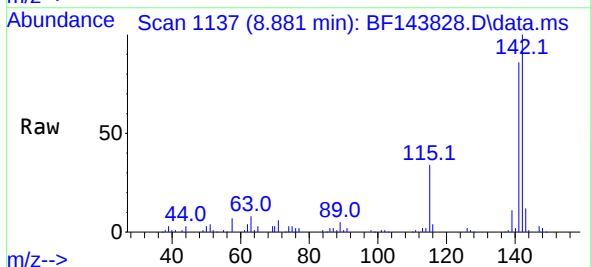
Instrument :
BNA_F
ClientSampleId :
WC-4DL

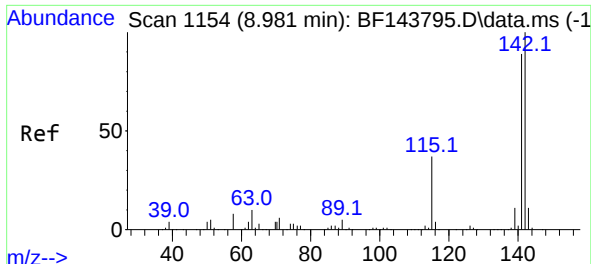
Tgt Ion:128 Resp: 49946
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 11.8 10.2 15.4



#37
2-Methylnaphthalene
Concen: 3.899 ng
RT: 8.881 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Tgt Ion:142 Resp: 60292
Ion Ratio Lower Upper
142 100
141 85.7 69.4 104.0

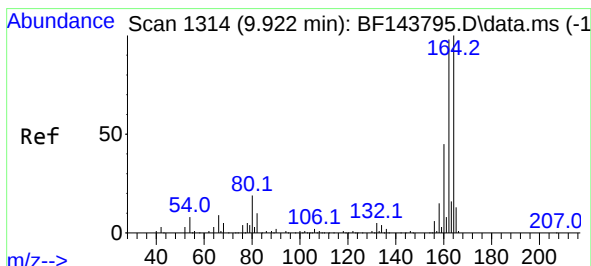
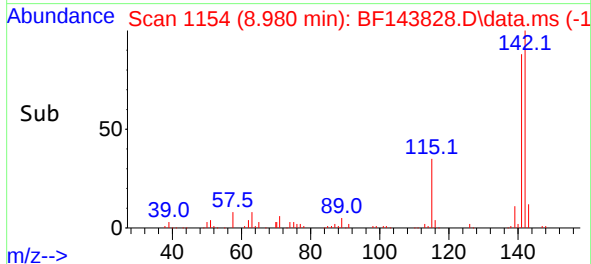
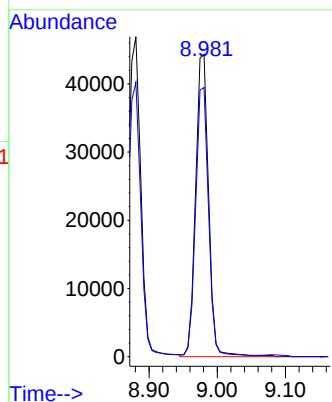
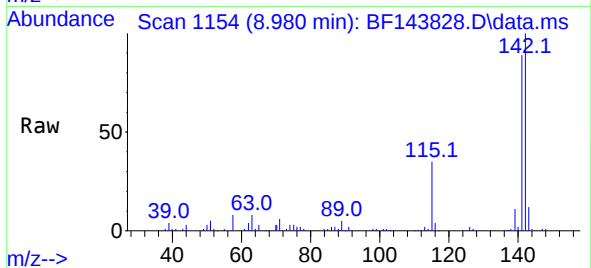




#38
1-Methylnaphthalene
Concen: 3.951 ng
RT: 8.980 min Scan# 1154
Delta R.T. -0.000 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

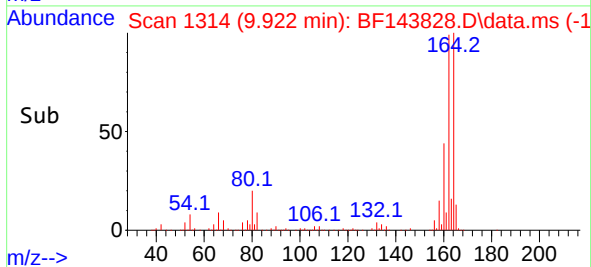
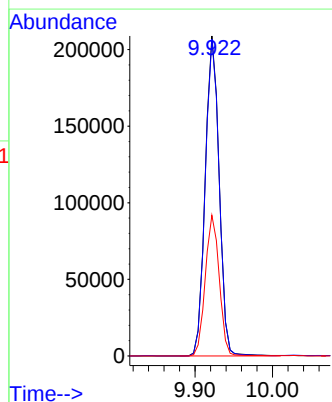
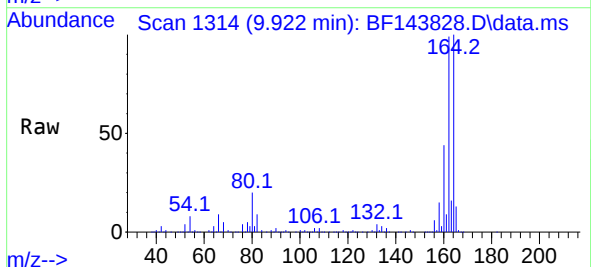
Instrument :
BNA_F
ClientSampleId :
WC-4DL

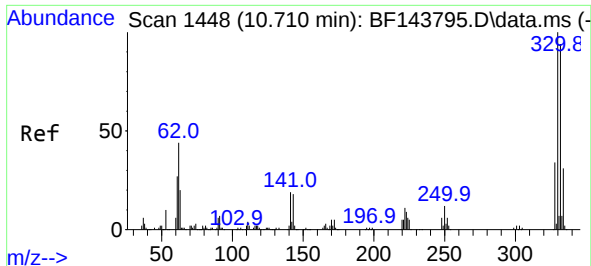
Tgt Ion:142 Resp: 58483
Ion Ratio Lower Upper
142 100
141 89.0 71.1 106.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Tgt Ion:164 Resp: 260754
Ion Ratio Lower Upper
164 100
162 99.0 78.8 118.2
160 44.0 35.8 53.6

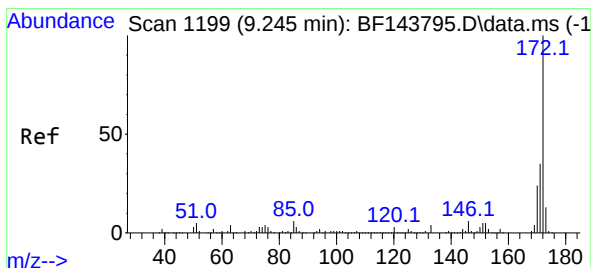
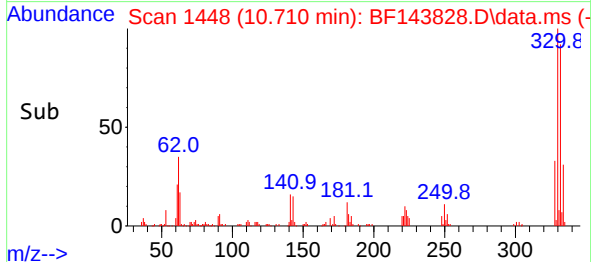
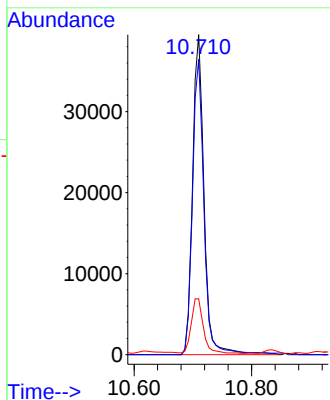
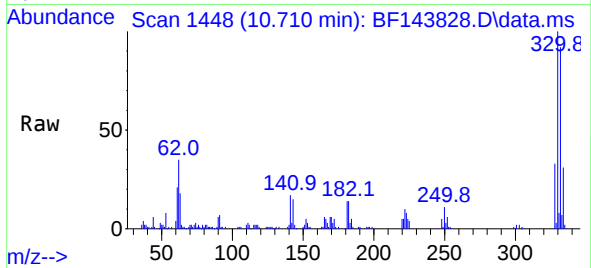




#42
2,4,6-Tribromophenol
Concen: 13.921 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

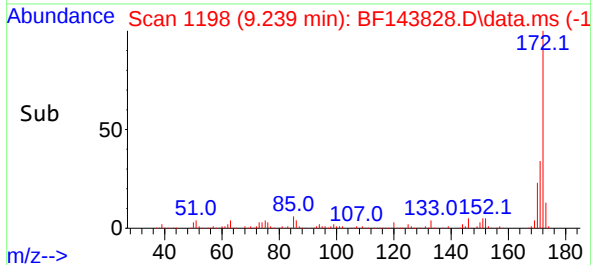
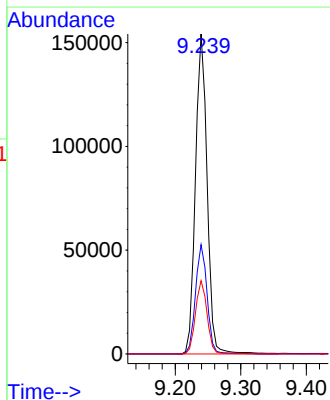
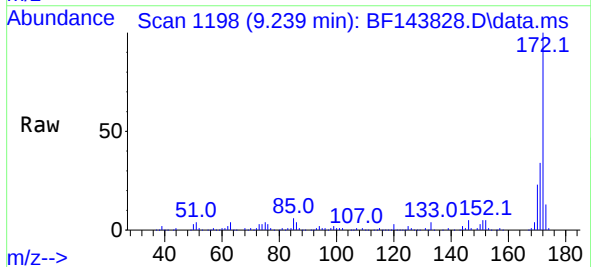
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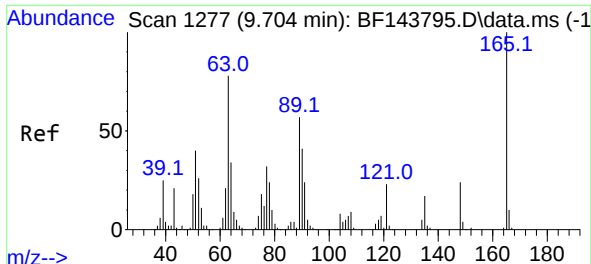
Tgt Ion:330 Resp: 53747
Ion Ratio Lower Upper
330 100
332 91.6 74.7 112.1
141 18.0 14.3 21.5



#45
2-Fluorobiphenyl
Concen: 11.474 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Tgt Ion:172 Resp: 191727
Ion Ratio Lower Upper
172 100
171 34.2 27.9 41.9
170 22.9 19.1 28.7

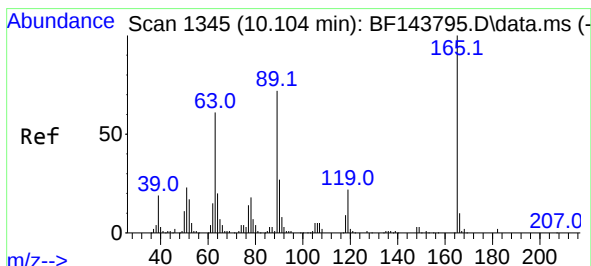
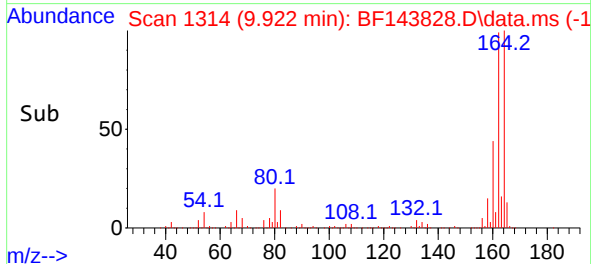
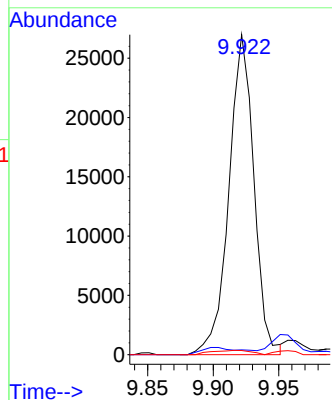
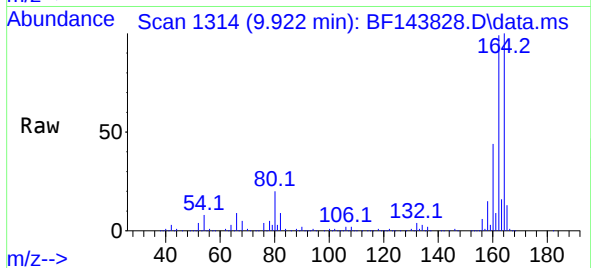




#51
2,6-Dinitrotoluene
Concen: 13.705 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

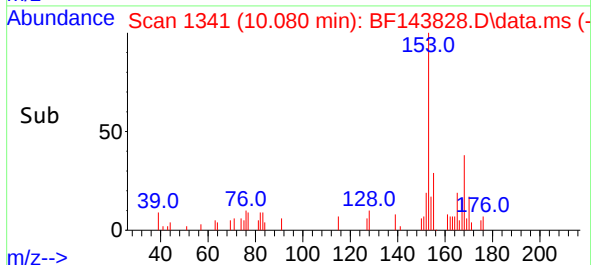
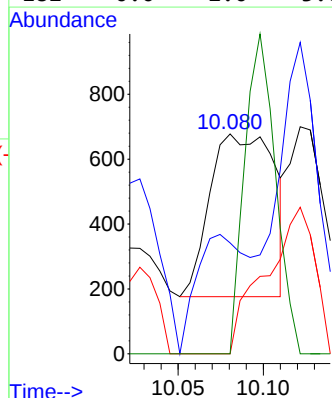
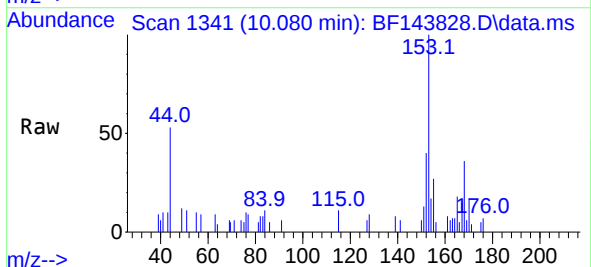
Instrument :
BNA_F
ClientSampleId :
WC-4DL

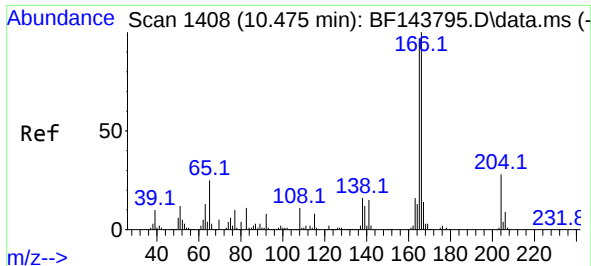
Tgt Ion:165 Resp: 35786
Ion Ratio Lower Upper
165 100
63 1.5 62.6 94.0#
89 1.3 45.2 67.8#



#57
2,4-Dinitrotoluene
Concen: 3.238 ng
RT: 10.080 min Scan# 1341
Delta R.T. -0.030 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Tgt Ion:165 Resp: 1315
Ion Ratio Lower Upper
165 100
63 50.4 48.9 73.3
89 0.0 57.5 86.3#
182 0.0 2.0 3.0#

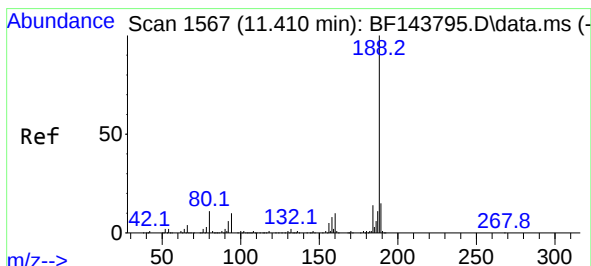
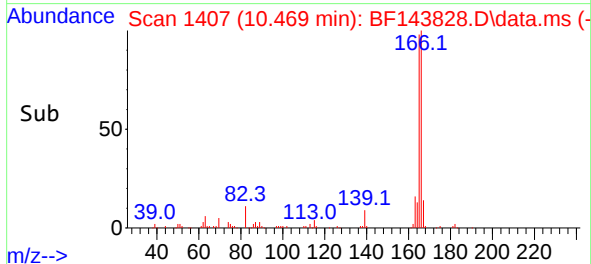
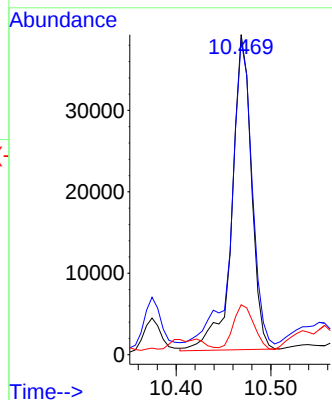
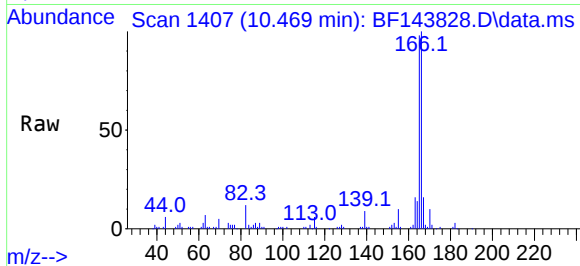




#58
Fluorene
Concen: 3.806 ng
RT: 10.469 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

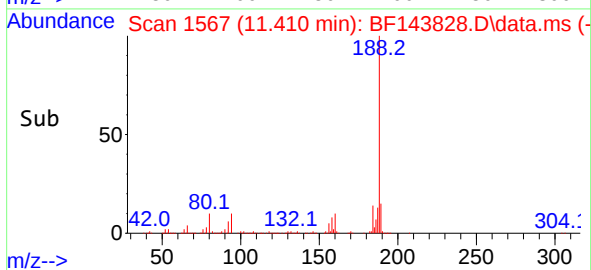
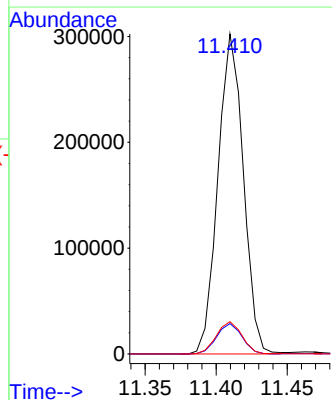
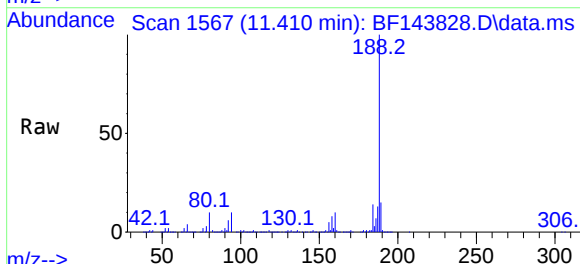
Instrument :
BNA_F
ClientSampleId :
WC-4DL

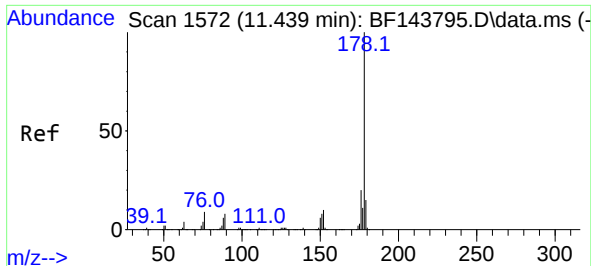
Tgt Ion:166 Resp: 55077
Ion Ratio Lower Upper
166 100
165 98.2 78.0 117.0
167 15.6 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Tgt Ion:188 Resp: 375833
Ion Ratio Lower Upper
188 100
94 9.5 8.2 12.2
80 10.1 8.6 12.8

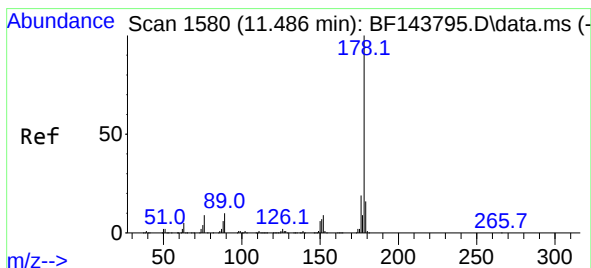
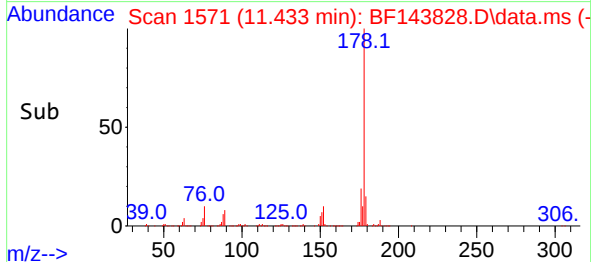
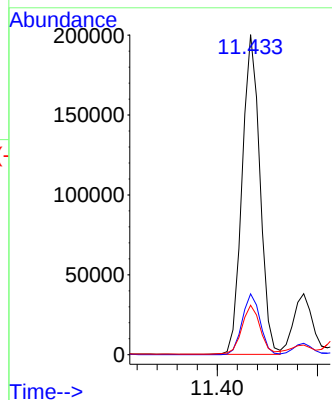
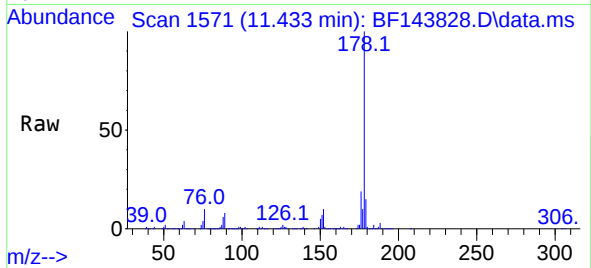




#71
Phenanthrene
Concen: 12.812 ng
RT: 11.433 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

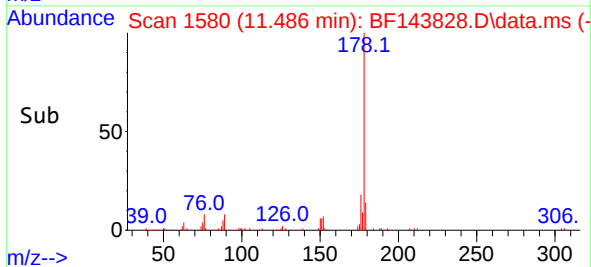
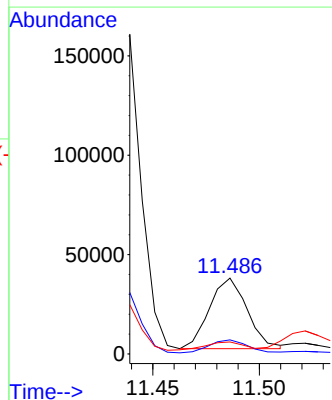
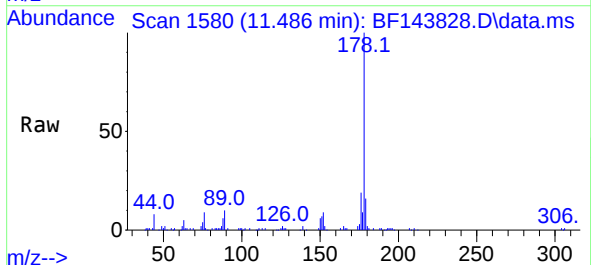
Instrument :
BNA_F
ClientSampleId :
WC-4DL

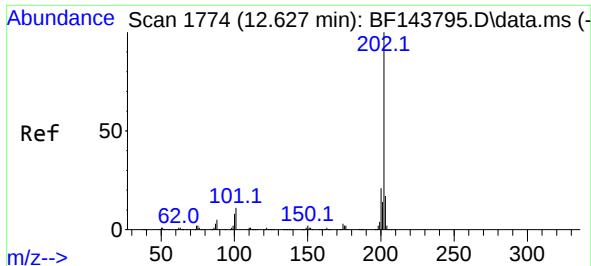
Tgt Ion:178 Resp: 247210
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 15.4 12.2 18.4



#72
Anthracene
Concen: 2.264 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Tgt Ion:178 Resp: 43824
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.8 12.8 19.2

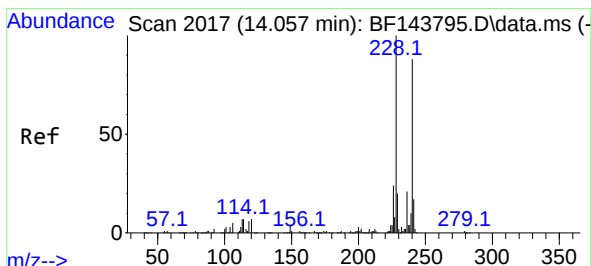
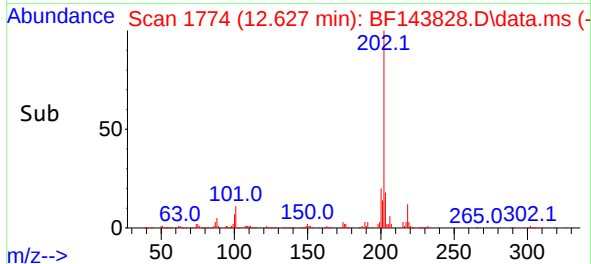
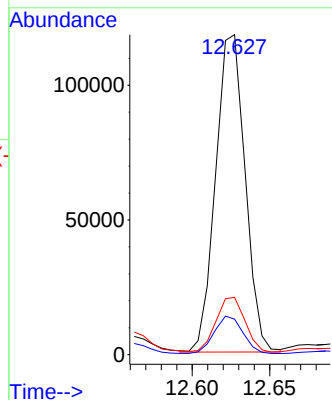
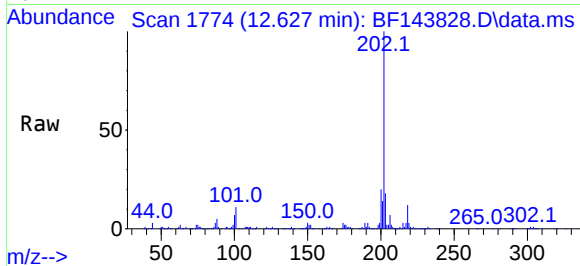




#75
Fluoranthene
Concen: 8.043 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

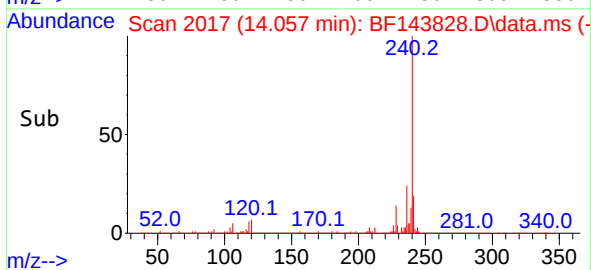
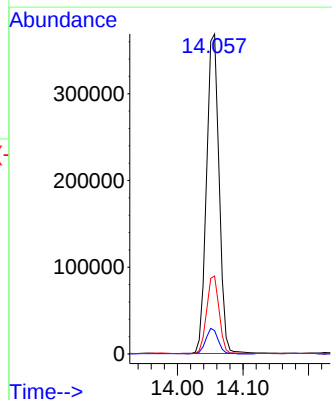
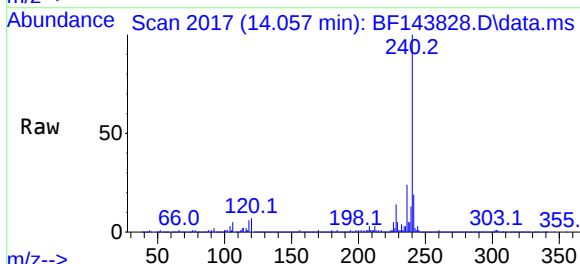
Instrument :
BNA_F
ClientSampleId :
WC-4DL

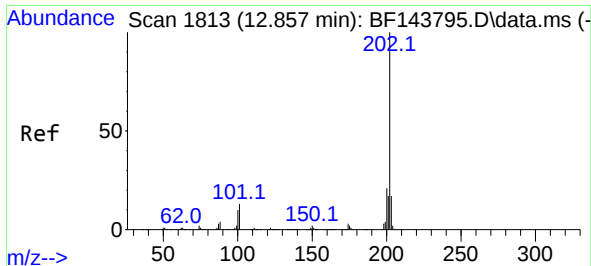
Tgt Ion:202 Resp: 156079
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.1
203 17.9 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Tgt Ion:240 Resp: 491458
Ion Ratio Lower Upper
240 100
120 7.3 6.2 9.4
236 24.3 19.4 29.2

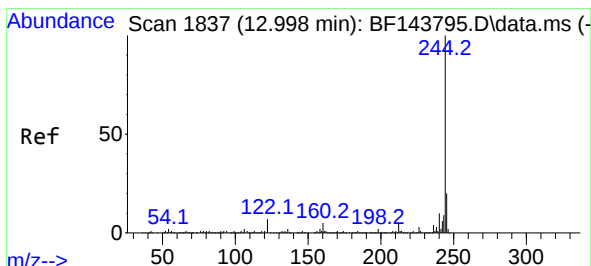
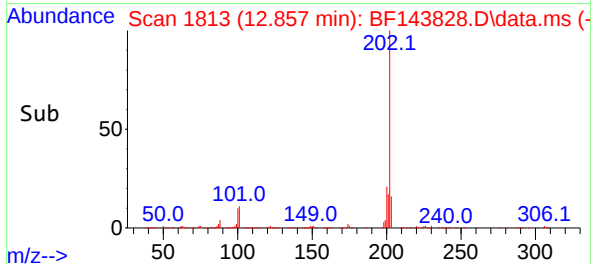
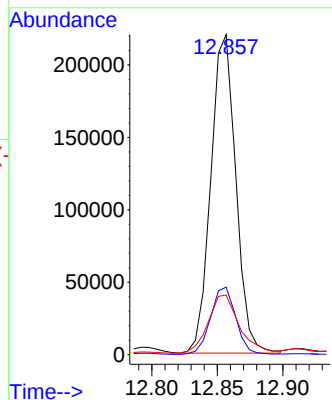
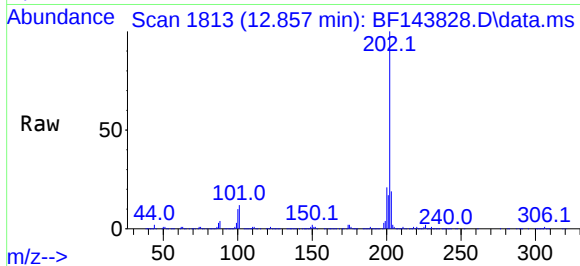




#78
Pyrene
Concen: 12.085 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.000 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

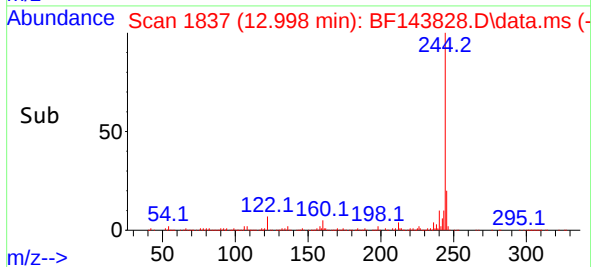
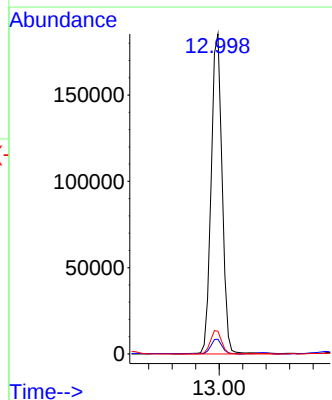
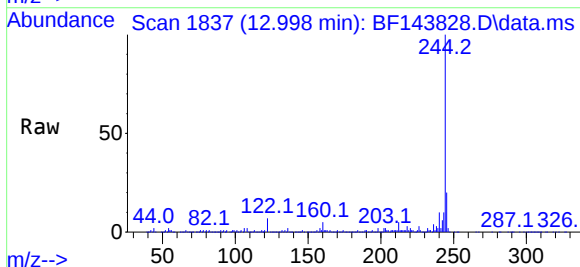
Instrument :
BNA_F
ClientSampleId :
WC-4DL

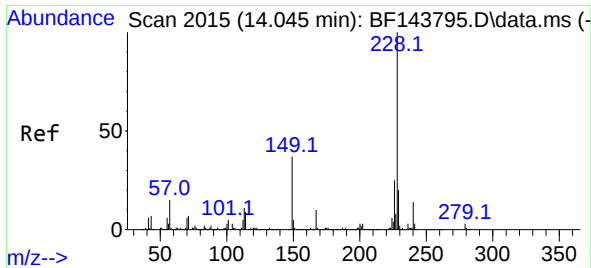
Tgt Ion:	202	Resp:	291992
Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	18.7	13.9	20.9



#79
Terphenyl-d14
Concen: 9.990 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Tgt Ion:	244	Resp:	241401
Ion	Ratio	Lower	Upper
244	100		
212	4.6	3.9	5.9
122	7.1	5.6	8.4

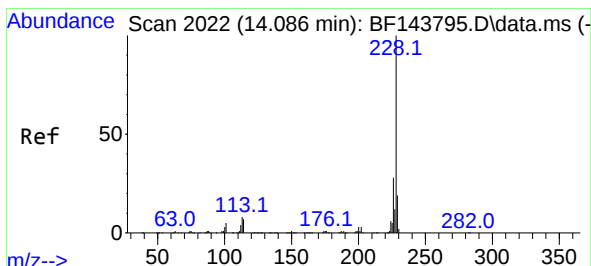
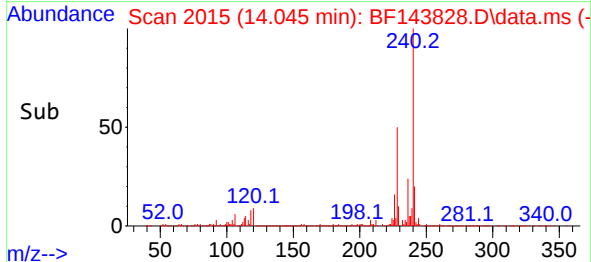
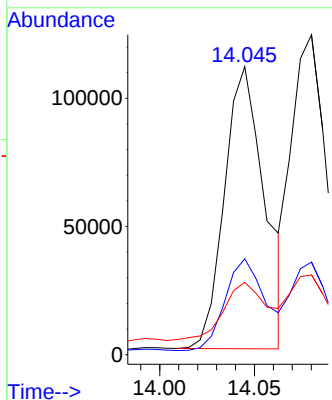
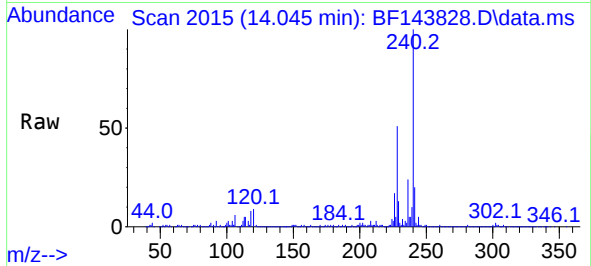




#81
Benzo(a)anthracene
Concen: 6.142 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

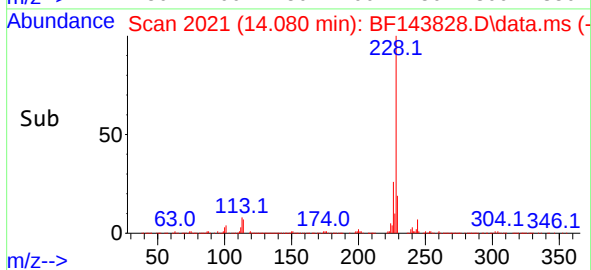
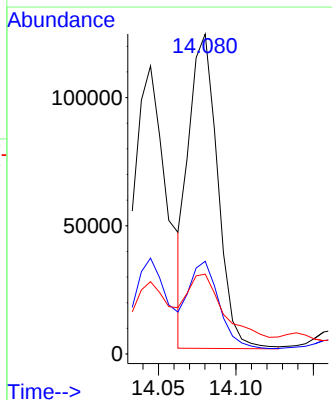
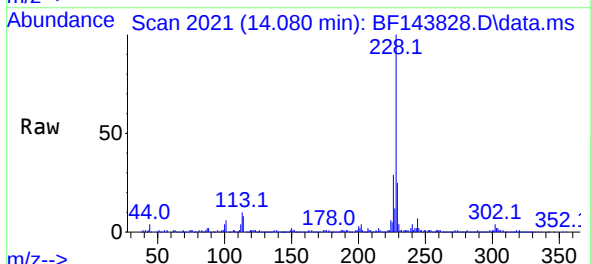
Instrument :
BNA_F
ClientSampleId :
WC-4DL

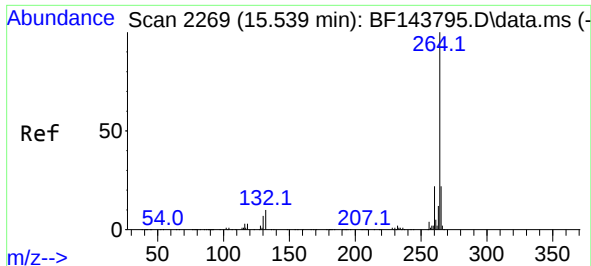
Tgt Ion:228 Resp: 162153
Ion Ratio Lower Upper
228 100
226 33.3 20.2 30.2#
229 25.1 16.1 24.1#



#83
Chrysene
Concen: 6.681 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF143828.D
Acq: 29 Sep 2025 18:12

Tgt Ion:228 Resp: 159601
Ion Ratio Lower Upper
228 100
226 28.9 22.6 33.8
229 25.0 15.6 23.4#

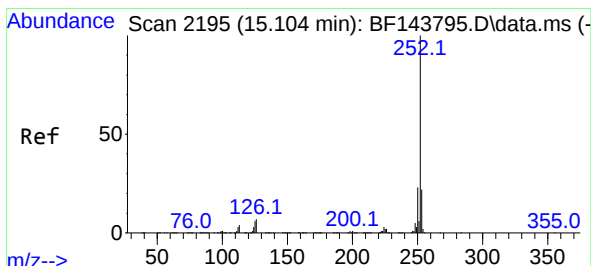
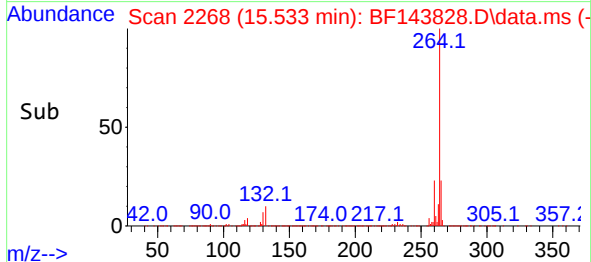
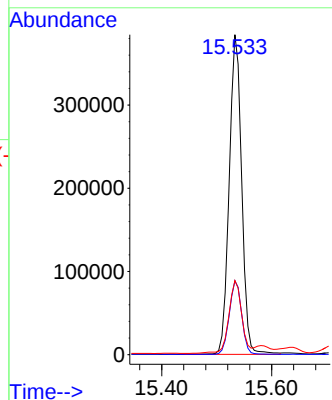
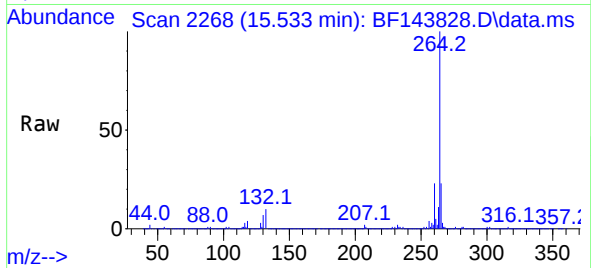




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.533 min Scan# 2195
 Delta R.T. -0.006 min
 Lab File: BF143828.D
 Acq: 29 Sep 2025 18:12

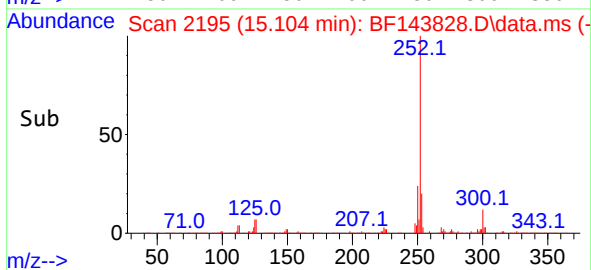
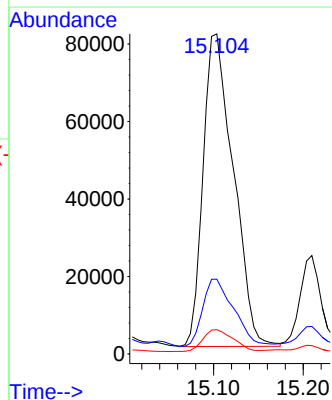
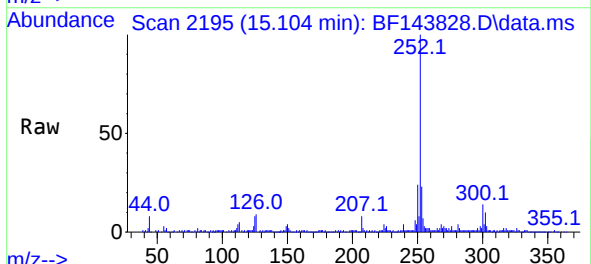
Instrument :
 BNA_F
 ClientSampleId :
 WC-4DL

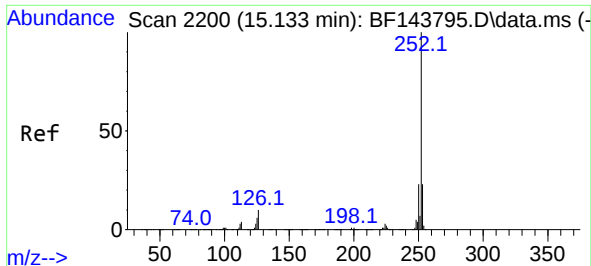
Tgt Ion:264 Resp: 605206
 Ion Ratio Lower Upper
 264 100
 260 23.1 17.9 26.9
 265 23.2 17.7 26.5



#88
 Benzo(b)fluoranthene
 Concen: 6.133 ng
 RT: 15.104 min Scan# 2195
 Delta R.T. -0.000 min
 Lab File: BF143828.D
 Acq: 29 Sep 2025 18:12

Tgt Ion:252 Resp: 189016
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.8 26.8
 125 7.6 4.4 6.6#





#89

Benzo(k)fluoranthene

Concen: 6.104 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.035 min

Lab File: BF143828.D

Acq: 29 Sep 2025 18:12

Instrument :

BNA_F

ClientSampleId :

WC-4DL

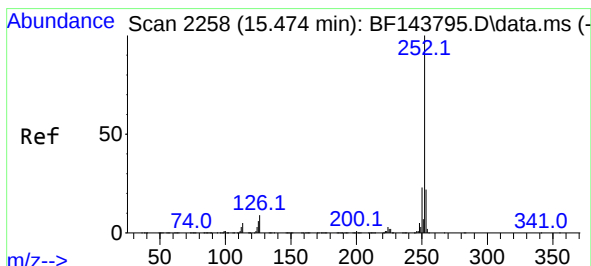
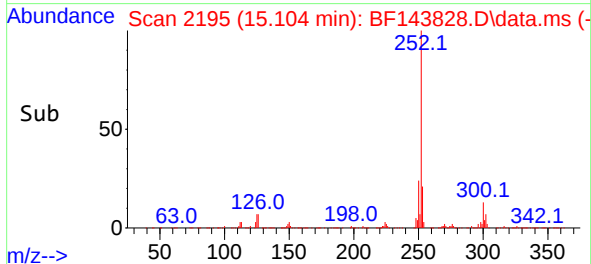
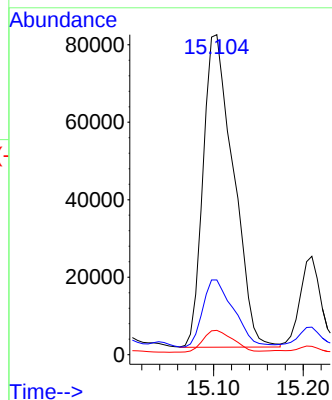
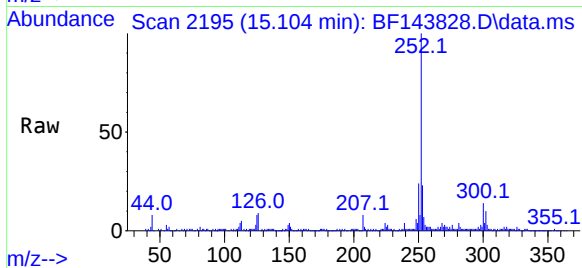
Tgt Ion:252 Resp: 189016

Ion Ratio Lower Upper

252 100

253 23.4 17.9 26.9

125 7.6 4.6 6.8#



#90

Benzo(a)pyrene

Concen: 4.947 ng

RT: 15.468 min Scan# 2257

Delta R.T. -0.012 min

Lab File: BF143828.D

Acq: 29 Sep 2025 18:12

Tgt Ion:252 Resp: 143321

Ion Ratio Lower Upper

252 100

253 23.6 17.6 26.4

125 6.7 5.0 7.4

