

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091225\
 Data File : BF143730.D
 Acq On : 12 Sep 2025 13:44
 Operator : RC/JU
 Sample : Q3082-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-29

Quant Time: Sep 12 14:16:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 09 15:20:16 2025
 Response via : Initial Calibration

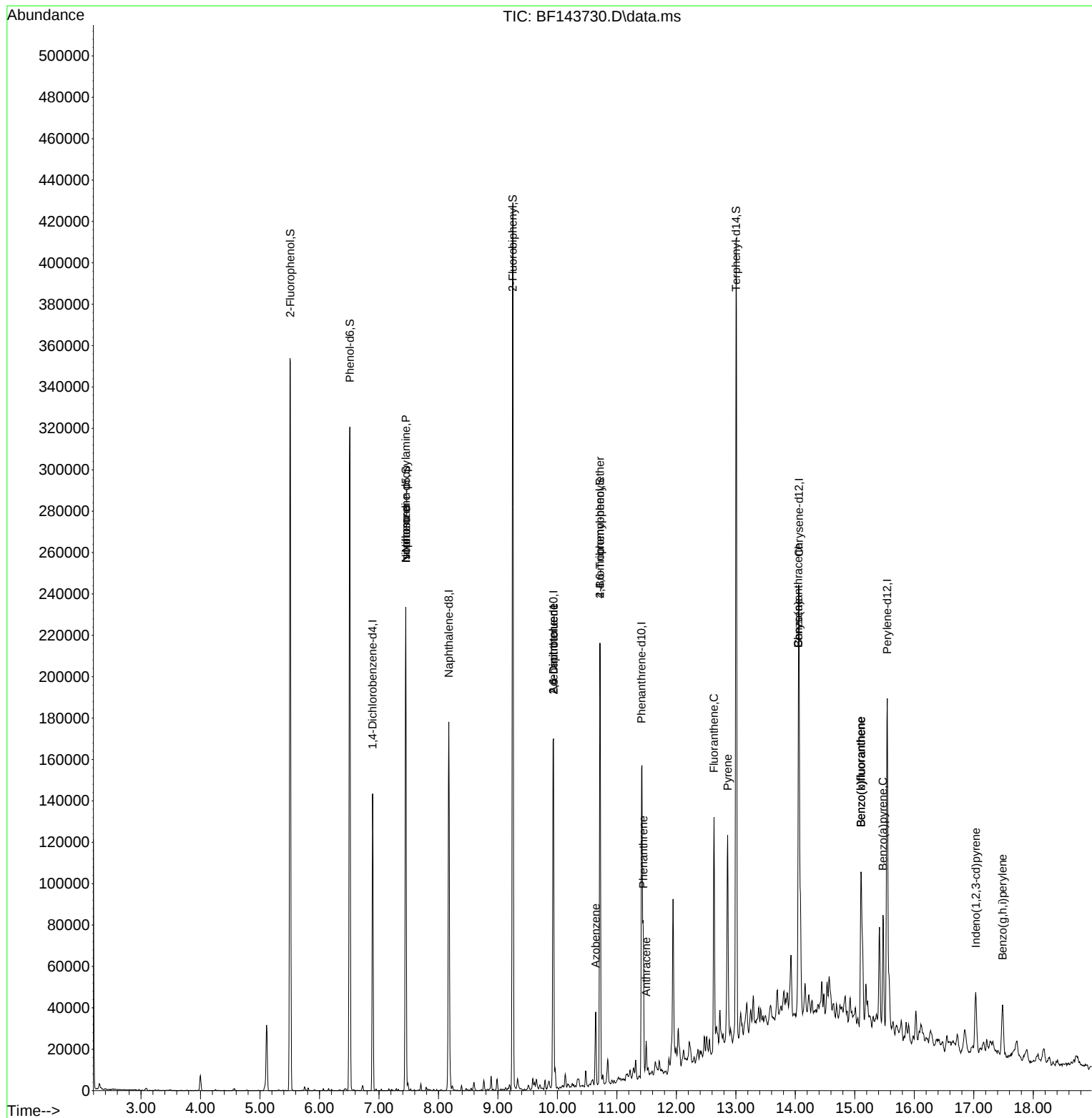
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	32488	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	114381	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	55269	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	81923	20.000	ng	0.00
76) Chrysene-d12	14.063	240	81072	20.000	ng	0.02
86) Perylene-d12	15.545	264	93997	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	142852	75.020	ng	0.01
7) Phenol-d6	6.510	99	159713	68.885	ng	0.00
23) Nitrobenzene-d5	7.451	82	102052	55.496	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	38667	69.422	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	200799	54.882	ng	0.00
79) Terphenyl-d14	13.004	244	188593	37.697	ng	0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.451	70	13111	9.207	ng	# 80
25) Isophorone	7.451	82	101946	28.911	ng	# 64
51) 2,6-Dinitrotoluene	9.933	165	6888	10.018	ng	# 27
57) 2,4-Dinitrotoluene	9.933	165	6888	7.361	ng	# 27
63) Azobenzene	10.645	77	8559	2.868	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	2665	2.698	ng	# 1
71) Phenanthrene	11.445	178	38898	8.618	ng	98
72) Anthracene	11.492	178	10695	2.356	ng	96
75) Fluoranthene	12.633	202	61218	14.774	ng	99
78) Pyrene	12.863	202	56465	8.711	ng	98
81) Benzo(a)anthracene	14.051	228	36546	7.007	ng	96
83) Chrysene	14.051	228	36546	7.651	ng	97
87) Indeno(1,2,3-cd)pyrene	17.033	276	22010	3.431	ng	# 92
88) Benzo(b)fluoranthene	15.104	252	62198	11.116	ng	# 92
89) Benzo(k)fluoranthene	15.104	252	62198	12.317	ng	# 93
90) Benzo(a)pyrene	15.474	252	33293	6.773	ng	97
92) Benzo(g,h,i)perylene	17.486	276	22749	4.570	ng	97

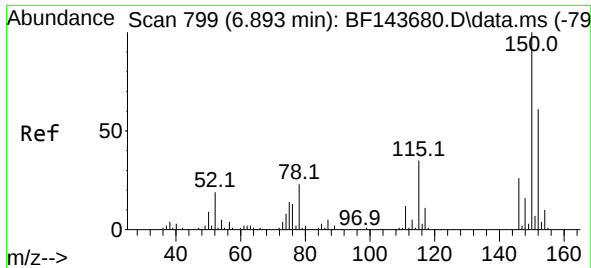
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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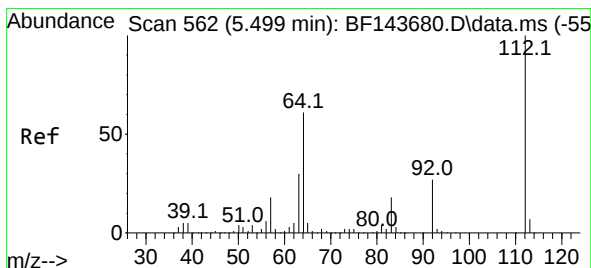
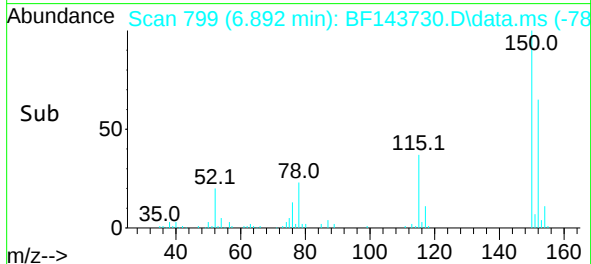
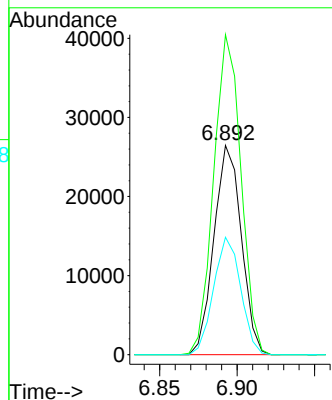
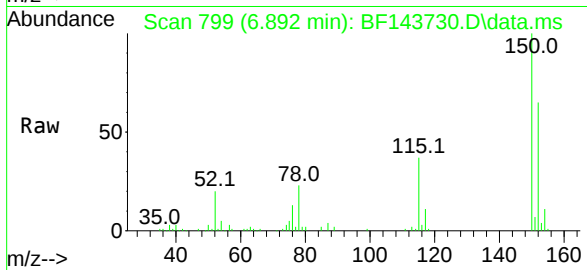




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 799
 Delta R.T. -0.001 min
 Lab File: BF143730.D
 Acq: 12 Sep 2025 13:44

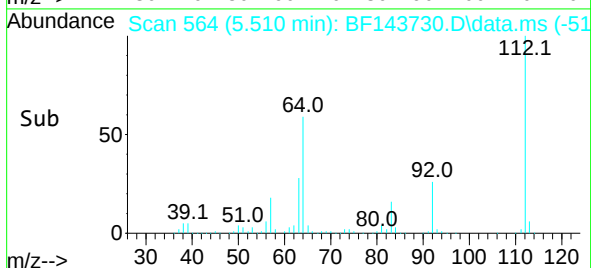
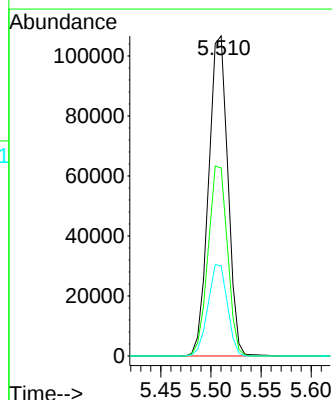
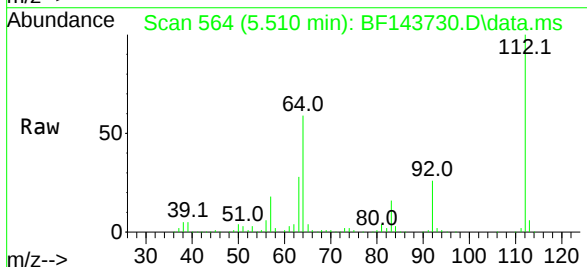
Instrument :
 BNA_F
 ClientSampleId :
 WC-29

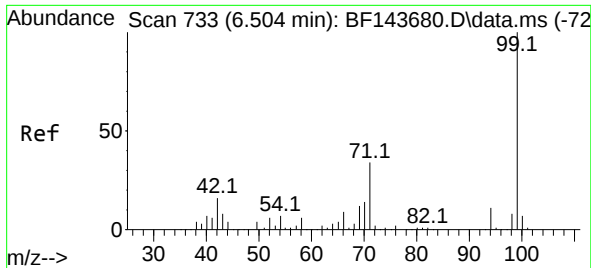
Tgt Ion:152 Resp: 32488
 Ion Ratio Lower Upper
 152 100
 150 152.9 130.7 196.1
 115 56.1 45.9 68.9



#5
 2-Fluorophenol
 Concen: 75.020 ng
 RT: 5.510 min Scan# 564
 Delta R.T. 0.012 min
 Lab File: BF143730.D
 Acq: 12 Sep 2025 13:44

Tgt Ion:112 Resp: 142852
 Ion Ratio Lower Upper
 112 100
 64 58.8 49.0 73.4
 63 28.1 24.3 36.5

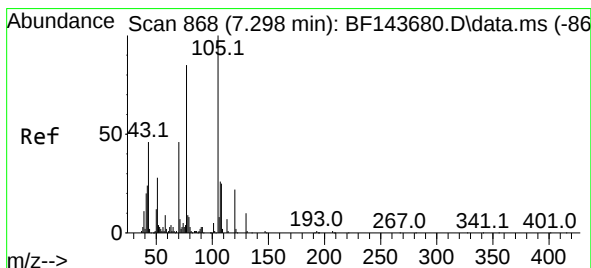
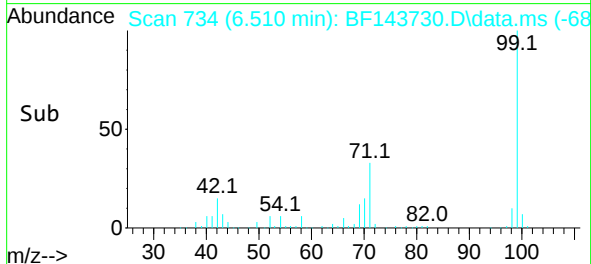
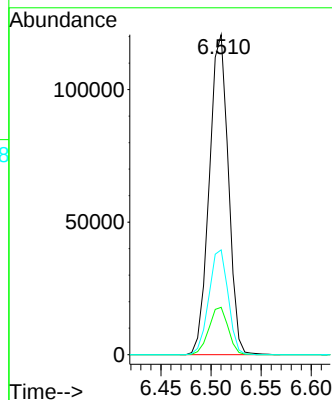
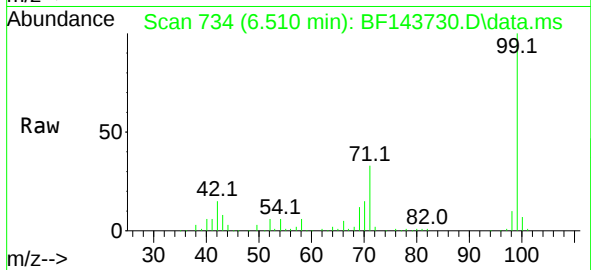




#7
Phenol-d6
Concen: 68.885 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF143730.D
Acq: 12 Sep 2025 13:44

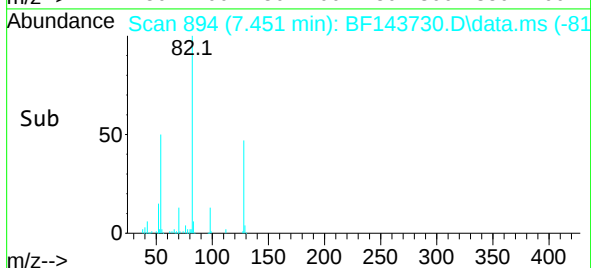
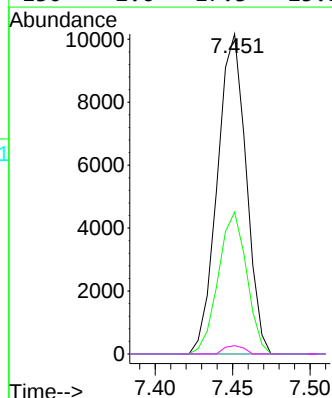
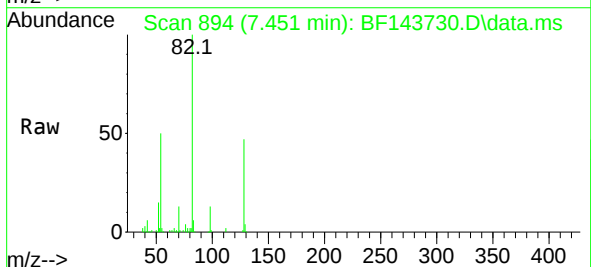
Instrument :
BNA_F
ClientSampleId :
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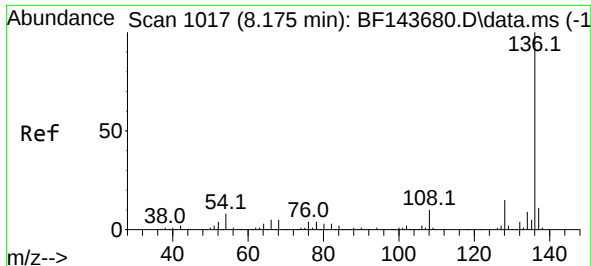
Tgt Ion: 99 Resp: 159713
Ion Ratio Lower Upper
99 100
42 14.8 13.0 19.4
71 32.8 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.207 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.153 min
Lab File: BF143730.D
Acq: 12 Sep 2025 13:44

Tgt Ion: 70 Resp: 13111
Ion Ratio Lower Upper
70 100
42 44.4 41.4 62.2
101 0.0 8.1 12.1#
130 2.6 17.3 25.9#

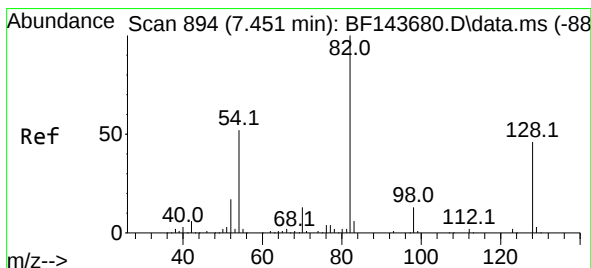
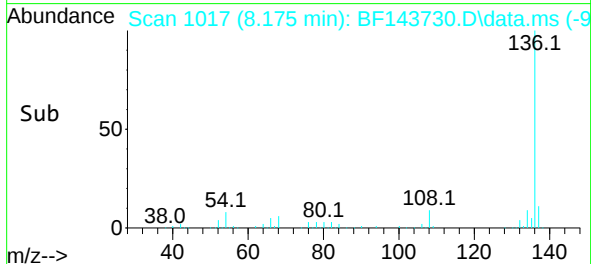
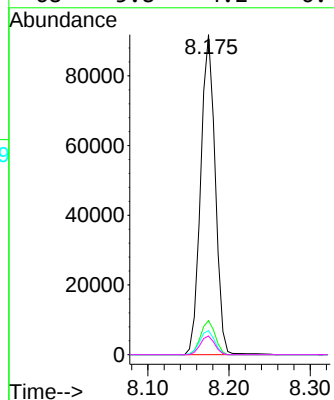
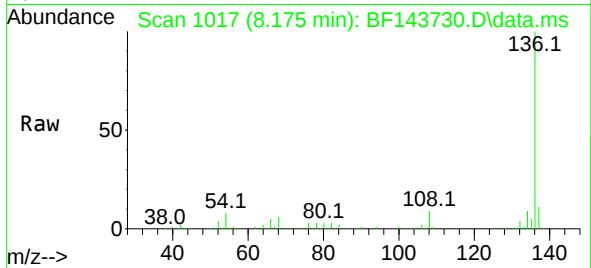




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF143730.D
Acq: 12 Sep 2025 13:44

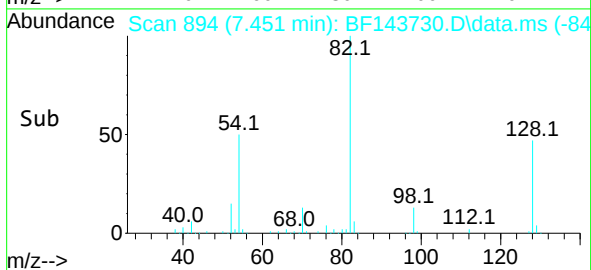
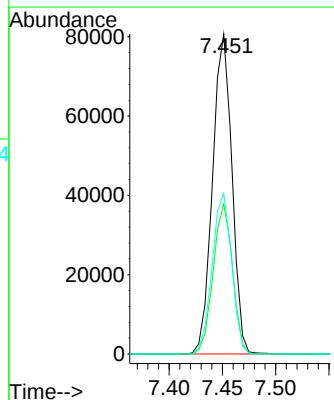
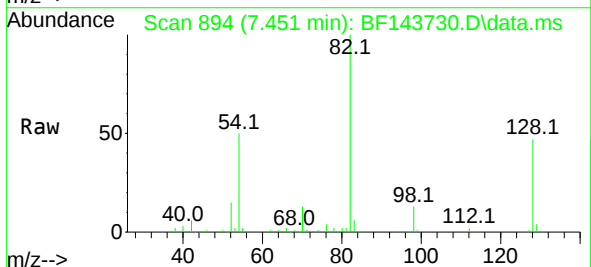
Instrument :
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ClientSampleId :
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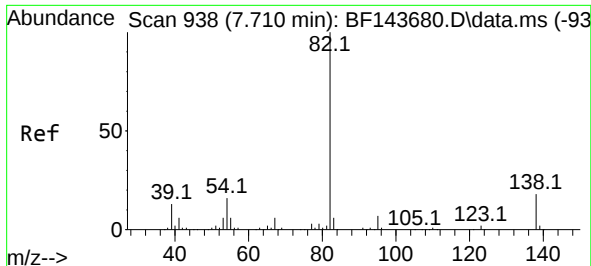
Tgt Ion:	136	Resp:	114381
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	7.5	6.2	9.2
68	5.8	4.2	6.4



#23
Nitrobenzene-d5
Concen: 55.496 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.000 min
Lab File: BF143730.D
Acq: 12 Sep 2025 13:44

Tgt Ion:	82	Resp:	102052
Ion	Ratio	Lower	Upper
82	100		
128	46.9	37.0	55.4
54	50.2	41.8	62.8

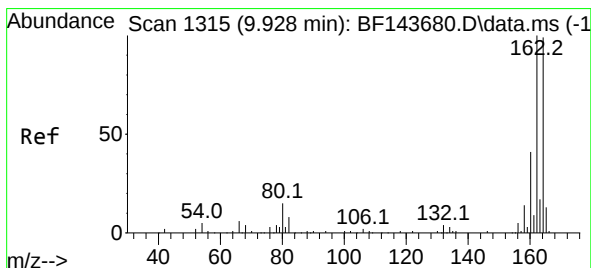
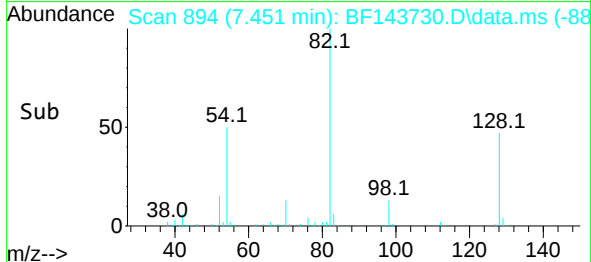
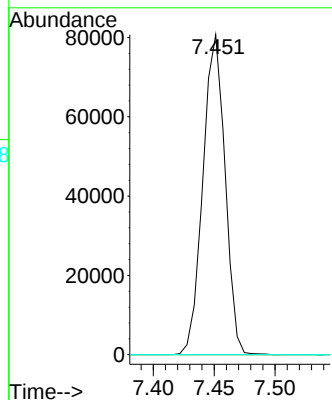
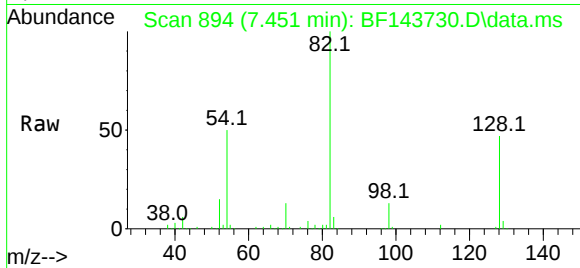




#25
Isophorone
Concen: 28.911 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.259 min
Lab File: BF143730.D
Acq: 12 Sep 2025 13:44

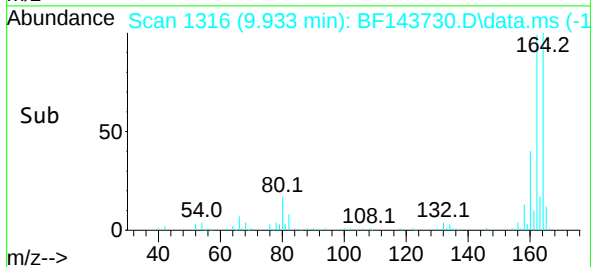
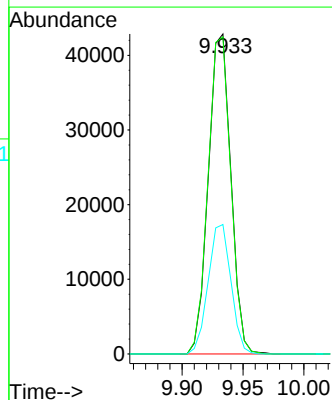
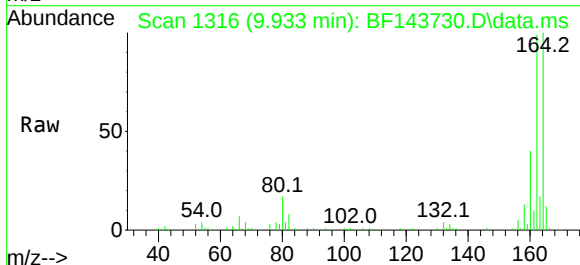
Instrument :
BNA_F
ClientSampleId :
WC-29

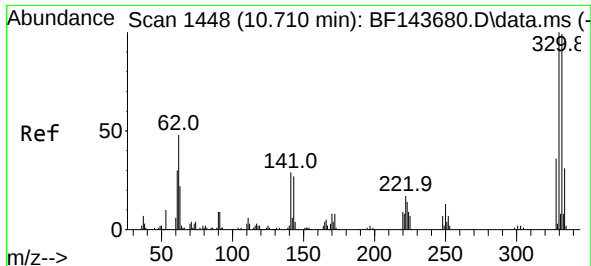
Tgt Ion: 82 Resp: 101946
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.8 22.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.006 min
Lab File: BF143730.D
Acq: 12 Sep 2025 13:44

Tgt Ion: 164 Resp: 55269
Ion Ratio Lower Upper
164 100
162 99.1 80.6 121.0
160 40.4 33.0 49.4

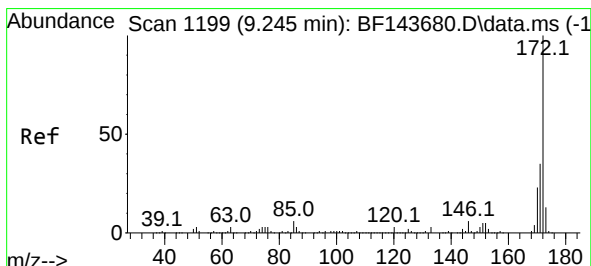
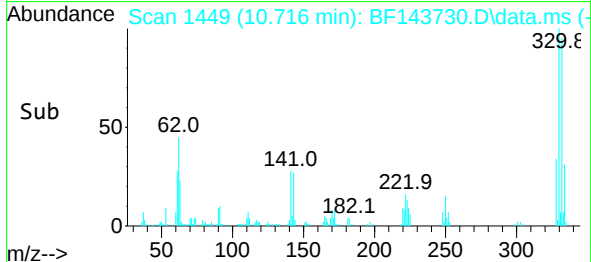
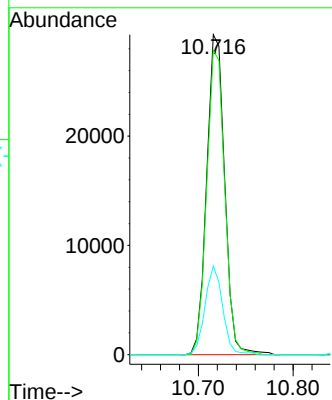
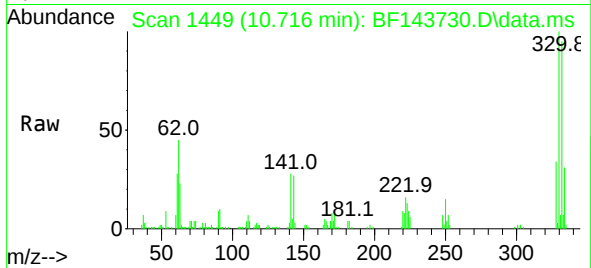




#42
2,4,6-Tribromophenol
Concen: 69.422 ng
RT: 10.716 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF143730.D
Acq: 12 Sep 2025 13:44

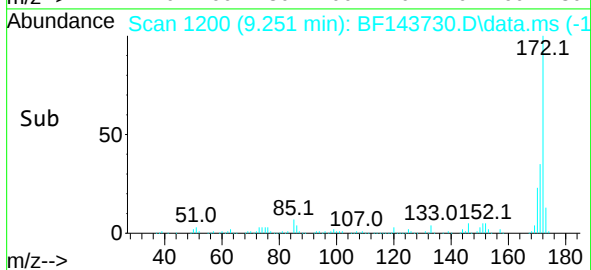
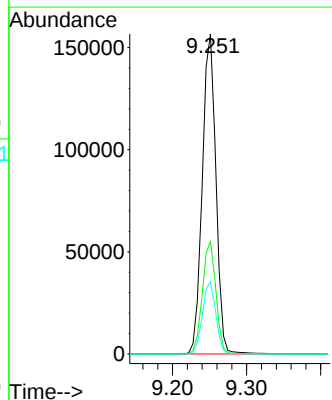
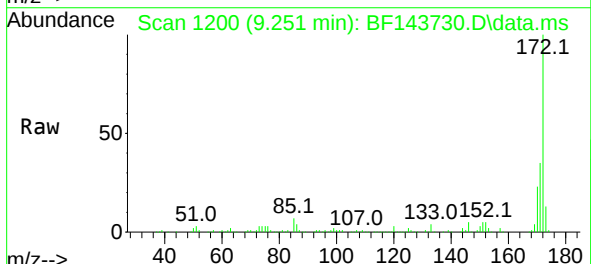
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ClientSampleId :
WC-29

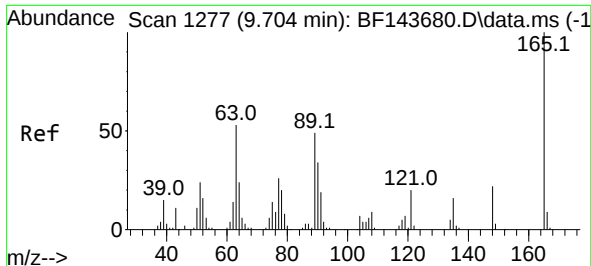
Tgt Ion:330 Resp: 38667
Ion Ratio Lower Upper
330 100
332 94.8 79.2 118.8
141 27.2 22.2 33.4



#45
2-Fluorobiphenyl
Concen: 54.882 ng
RT: 9.251 min Scan# 1200
Delta R.T. 0.006 min
Lab File: BF143730.D
Acq: 12 Sep 2025 13:44

Tgt Ion:172 Resp: 200799
Ion Ratio Lower Upper
172 100
171 35.1 27.9 41.9
170 22.6 18.6 27.8





#51

2,6-Dinitrotoluene

Concen: 10.018 ng

RT: 9.933 min Scan# 11

Delta R.T. 0.229 min

Lab File: BF143730.D

Acq: 12 Sep 2025 13:44

Instrument :

BNA_F

ClientSampleId :

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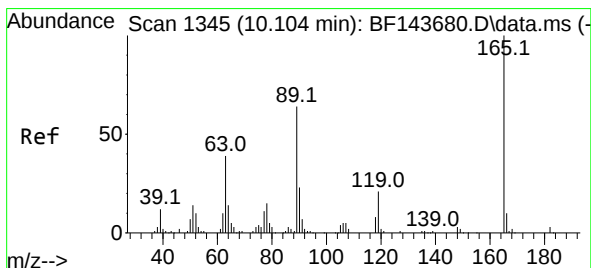
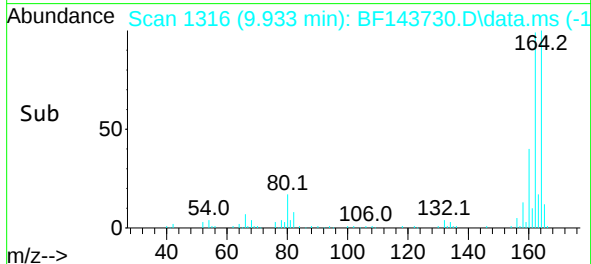
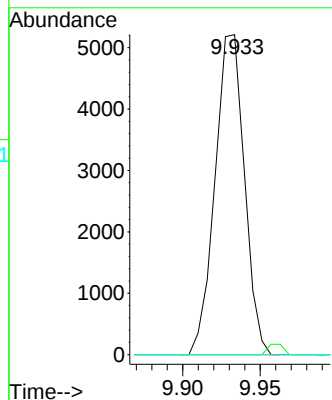
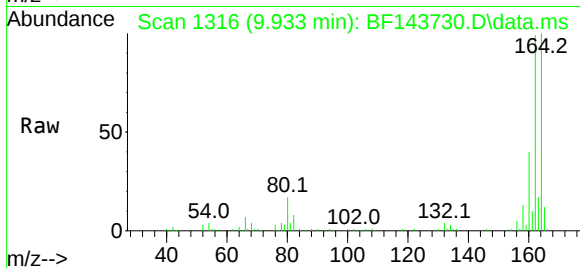
Tgt Ion:165 Resp: 6888

Ion Ratio Lower Upper

165 100

63 0.0 42.2 63.4#

89 0.0 39.3 58.9#



#57

2,4-Dinitrotoluene

Concen: 7.361 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.171 min

Lab File: BF143730.D

Acq: 12 Sep 2025 13:44

Tgt Ion:165 Resp: 6888

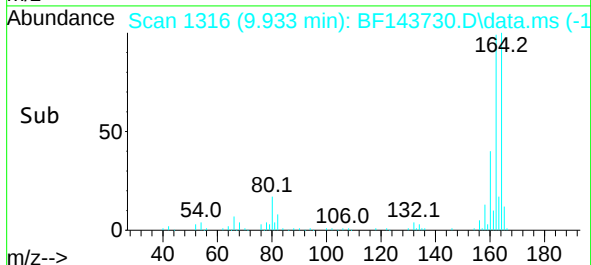
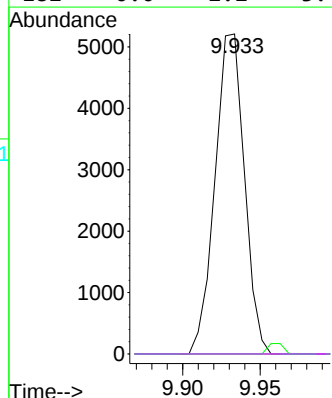
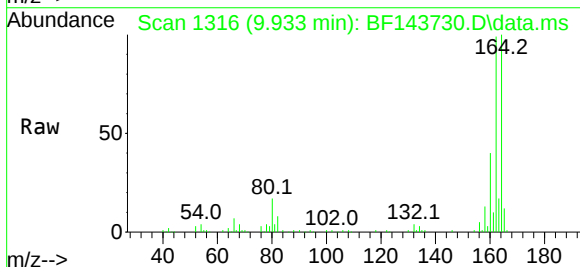
Ion Ratio Lower Upper

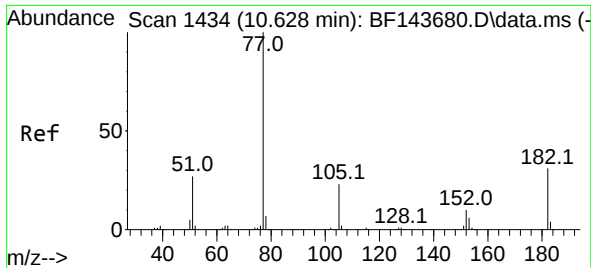
165 100

63 0.0 31.5 47.3#

89 0.0 51.3 76.9#

182 0.0 2.2 3.4#

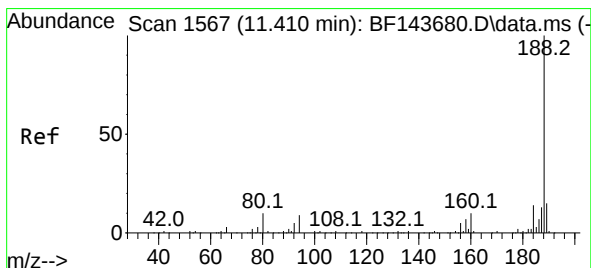
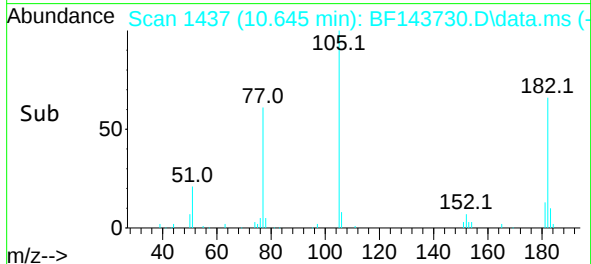
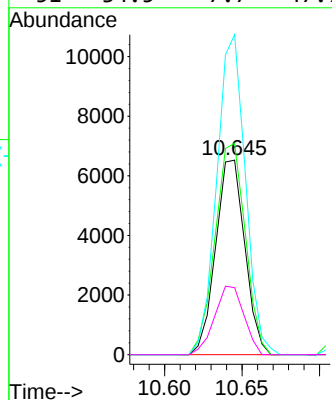
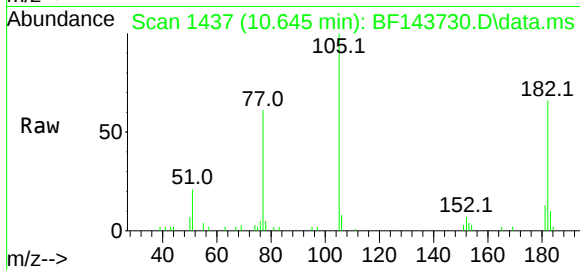




#63
 Azobenzene
 Concen: 2.868 ng
 RT: 10.645 min Scan# 1437
 Delta R.T. 0.017 min
 Lab File: BF143730.D
 Acq: 12 Sep 2025 13:44

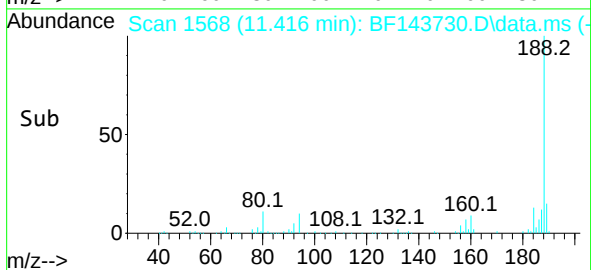
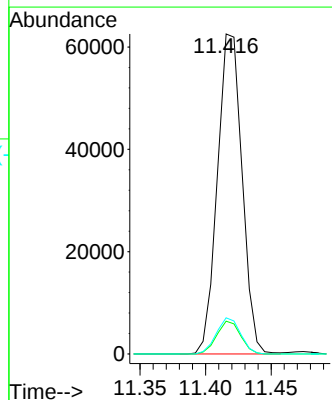
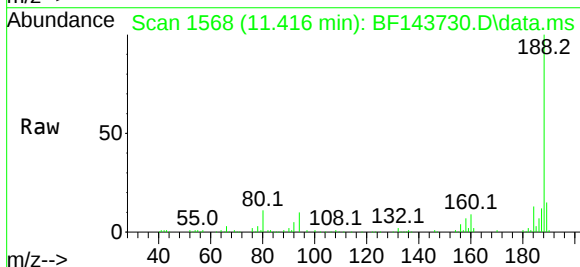
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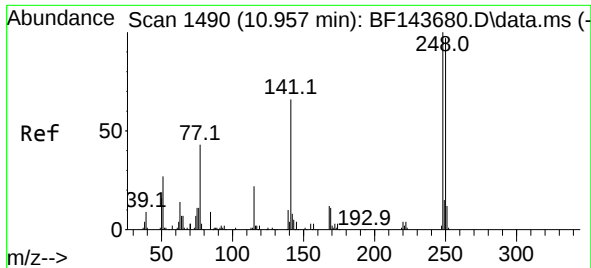
Tgt Ion: 77	Resp: 8559
Ion Ratio	Lower Upper
77 100	
182 108.6	10.8 50.8#
105 164.4	3.2 43.2#
51 34.5	7.7 47.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.416 min Scan# 1568
 Delta R.T. 0.006 min
 Lab File: BF143730.D
 Acq: 12 Sep 2025 13:44

Tgt Ion: 188	Resp: 81923
Ion Ratio	Lower Upper
188 100	
94 10.3	7.4 11.0
80 11.3	7.7 11.5

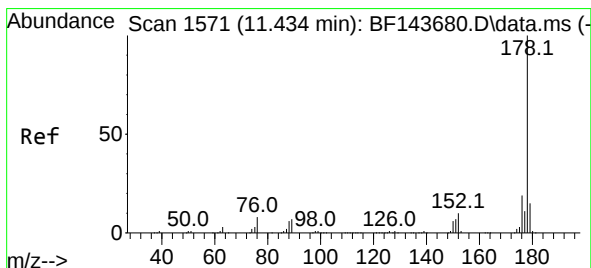
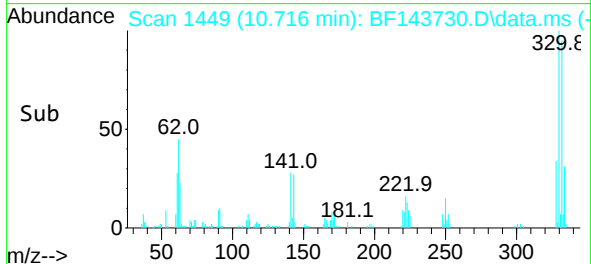
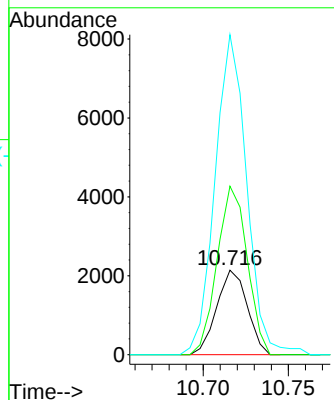
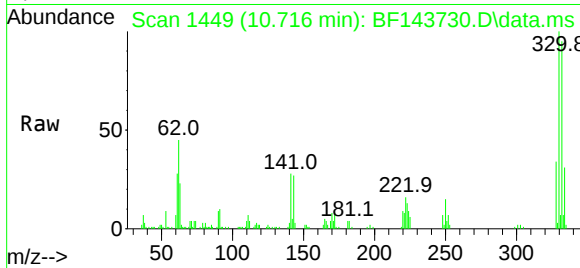




#67
4-Bromophenyl-phenylether
Concen: 2.698 ng
RT: 10.716 min Scan# 1490
Delta R.T. -0.241 min
Lab File: BF143730.D
Acq: 12 Sep 2025 13:44

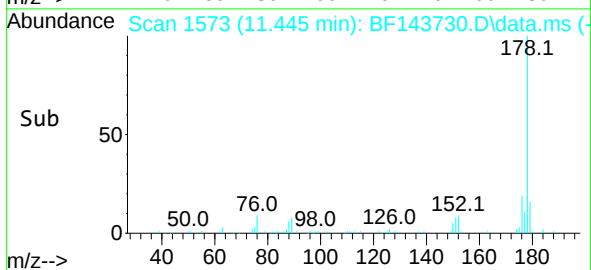
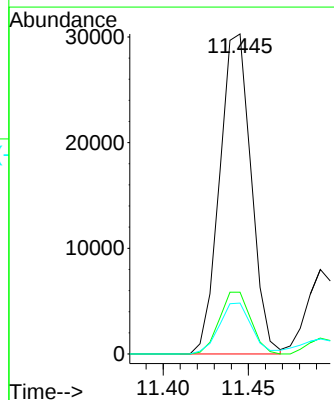
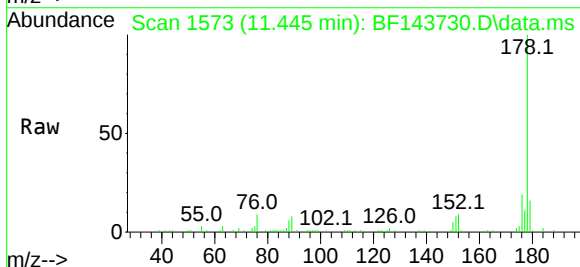
Instrument :
BNA_F
ClientSampleId :
WC-29

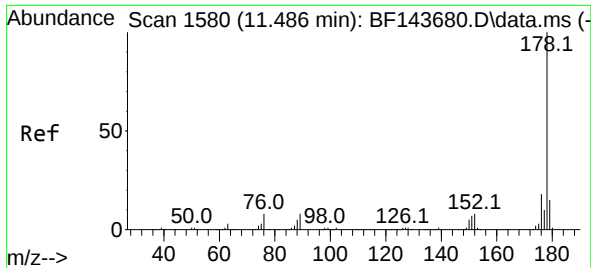
Tgt Ion:248 Resp: 2665
Ion Ratio Lower Upper
248 100
250 199.5 77.5 116.3#
141 379.0 52.6 79.0#



#71
Phenanthrene
Concen: 8.618 ng
RT: 11.445 min Scan# 1573
Delta R.T. 0.012 min
Lab File: BF143730.D
Acq: 12 Sep 2025 13:44

Tgt Ion:178 Resp: 38898
Ion Ratio Lower Upper
178 100
176 19.3 14.8 22.2
179 15.9 12.2 18.2

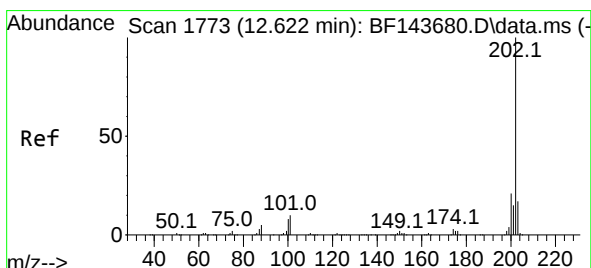
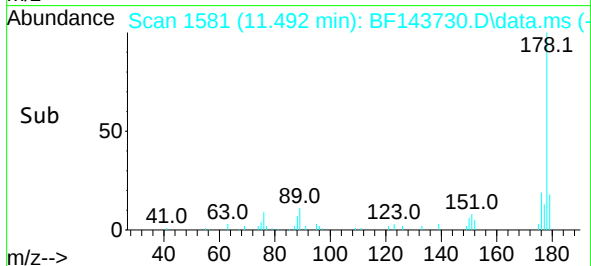
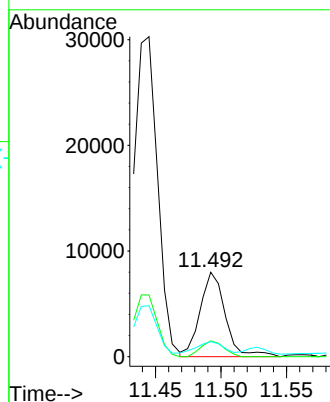
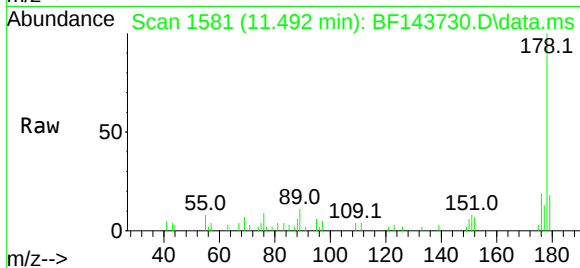




#72
 Anthracene
 Concen: 2.356 ng
 RT: 11.492 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF143730.D
 Acq: 12 Sep 2025 13:44

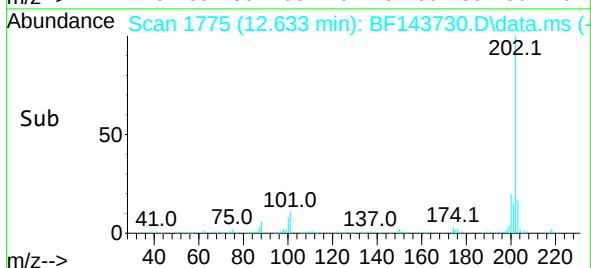
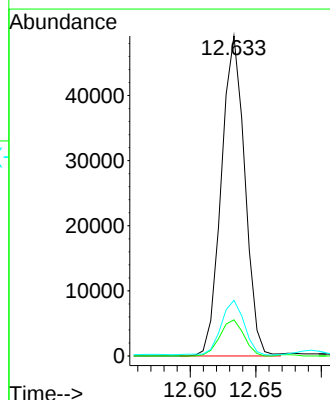
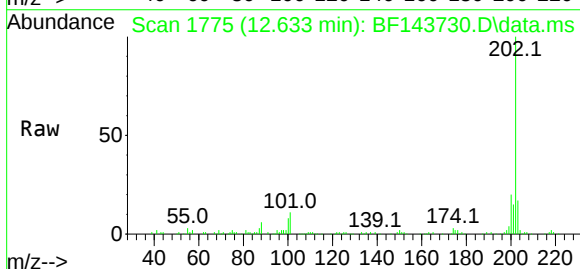
Instrument :
 BNA_F
 ClientSampleId :
 WC-29

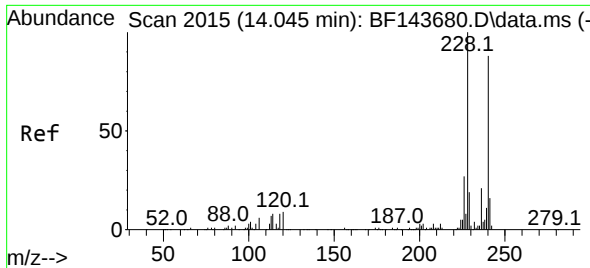
Tgt Ion:178 Resp: 10695
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.5 21.7
 179 17.8 12.2 18.2



#75
 Fluoranthene
 Concen: 14.774 ng
 RT: 12.633 min Scan# 1775
 Delta R.T. 0.012 min
 Lab File: BF143730.D
 Acq: 12 Sep 2025 13:44

Tgt Ion:202 Resp: 61218
 Ion Ratio Lower Upper
 202 100
 101 11.3 0.0 30.5
 203 17.4 0.0 37.1

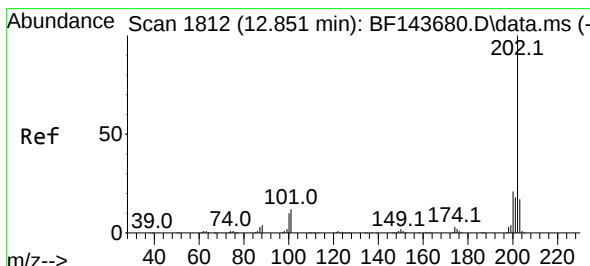
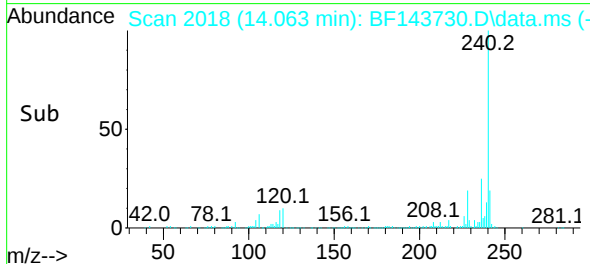
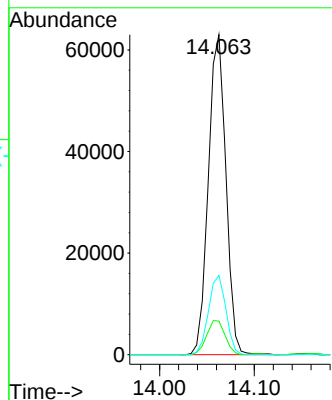
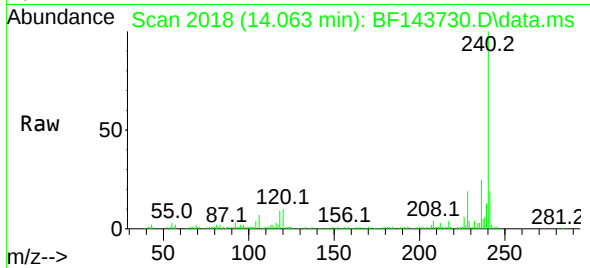




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. 0.018 min
Lab File: BF143730.D
Acq: 12 Sep 2025 13:44

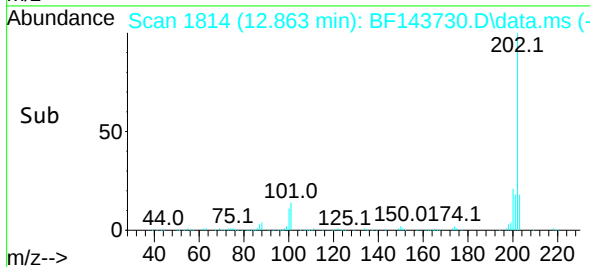
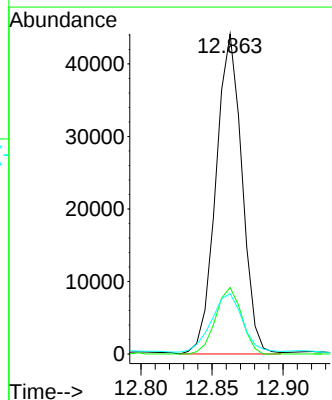
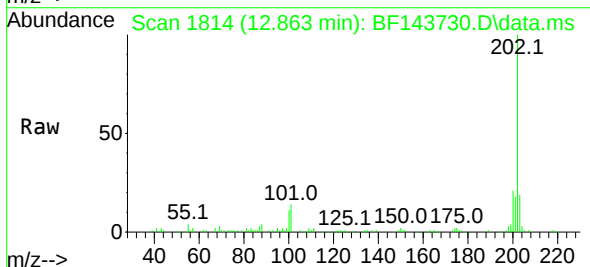
Instrument :
BNA_F
ClientSampleId :
WC-29

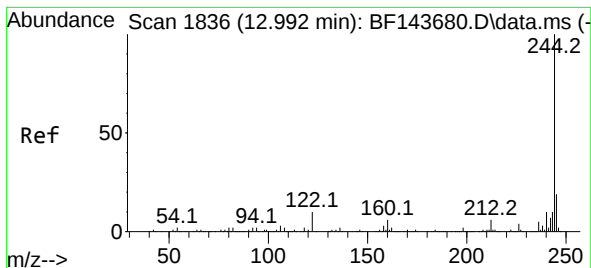
Tgt Ion:240 Resp: 81072
Ion Ratio Lower Upper
240 100
120 10.5 8.4 12.6
236 24.8 18.6 28.0



#78
Pyrene
Concen: 8.711 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.012 min
Lab File: BF143730.D
Acq: 12 Sep 2025 13:44

Tgt Ion:202 Resp: 56465
Ion Ratio Lower Upper
202 100
200 20.8 16.6 24.8
203 18.9 13.5 20.3





#79

Terphenyl-d14

Concen: 37.697 ng

RT: 13.004 min Scan# 1838

Delta R.T. 0.012 min

Lab File: BF143730.D

Acq: 12 Sep 2025 13:44

Instrument :

BNA_F

ClientSampleId :

WC-29

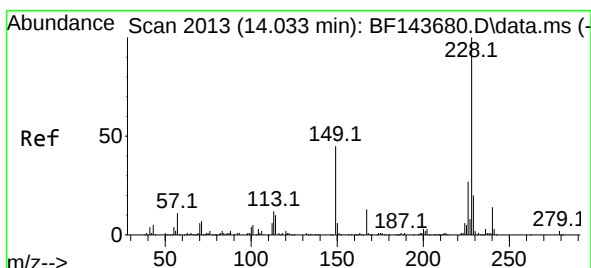
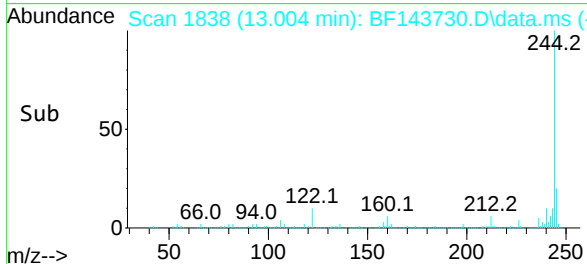
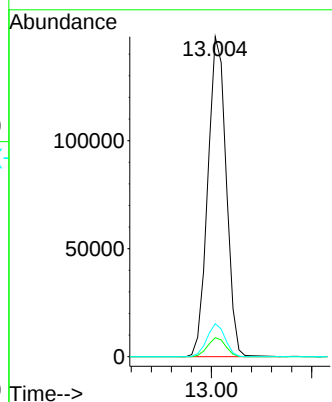
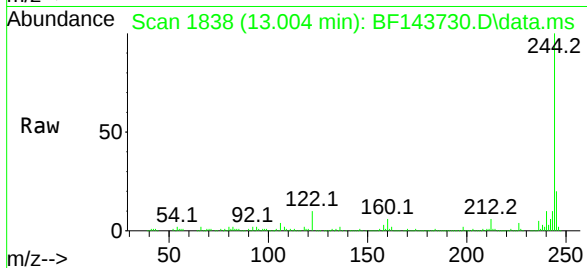
Tgt Ion:244 Resp: 188593

Ion Ratio Lower Upper

244 100

212 5.9 5.0 7.6

122 10.3 7.9 11.9



#81

Benzo(a)anthracene

Concen: 7.007 ng

RT: 14.051 min Scan# 2016

Delta R.T. 0.018 min

Lab File: BF143730.D

Acq: 12 Sep 2025 13:44

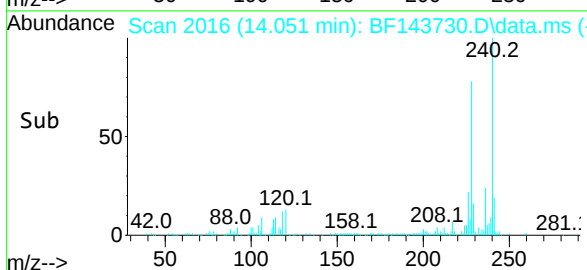
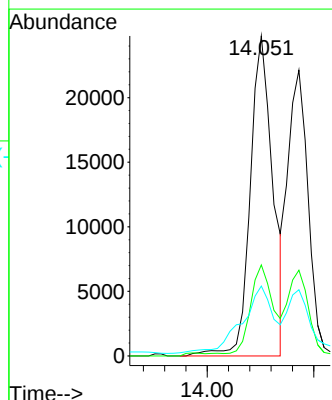
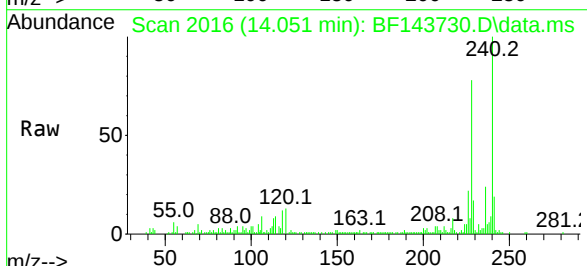
Tgt Ion:228 Resp: 36546

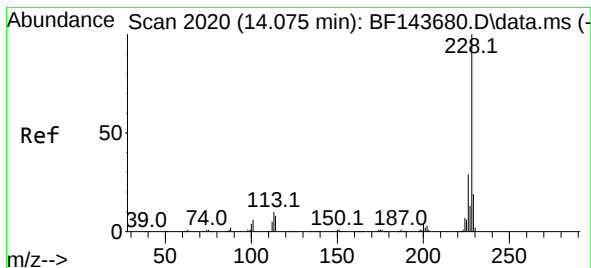
Ion Ratio Lower Upper

228 100

226 28.5 21.6 32.4

229 21.8 15.7 23.5





#83

Chrysene

Concen: 7.651 ng

RT: 14.051 min Scan# 20

Delta R.T. -0.024 min

Lab File: BF143730.D

Acq: 12 Sep 2025 13:44

Instrument :

BNA_F

ClientSampleId :

WC-29

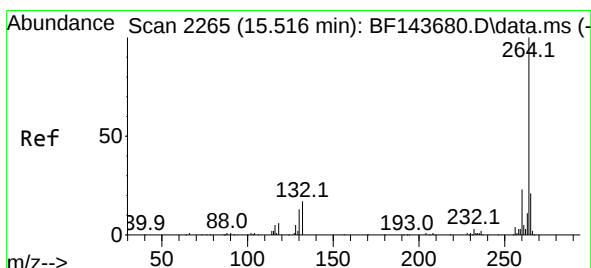
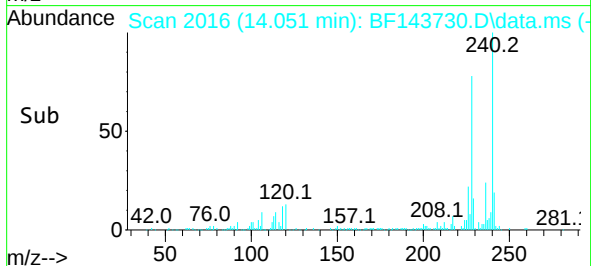
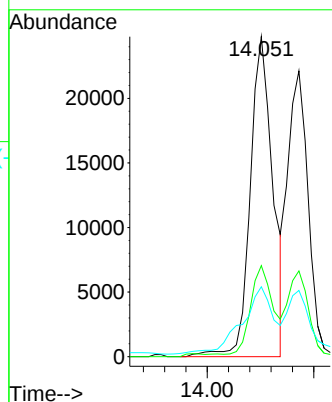
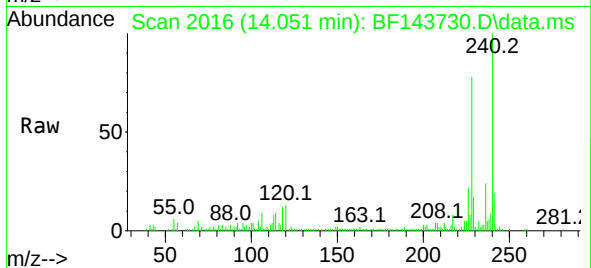
Tgt Ion:228 Resp: 36546

Ion Ratio Lower Upper

228 100

226 28.5 22.7 34.1

229 21.8 15.1 22.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. 0.029 min

Lab File: BF143730.D

Acq: 12 Sep 2025 13:44

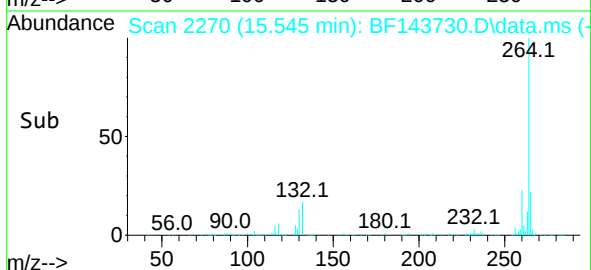
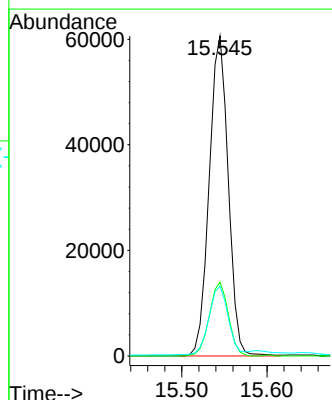
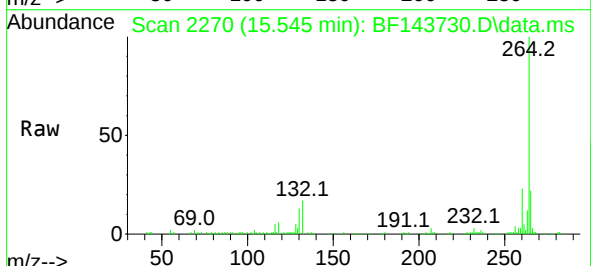
Tgt Ion:264 Resp: 93997

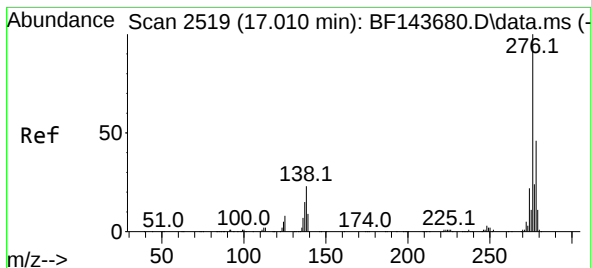
Ion Ratio Lower Upper

264 100

260 23.1 18.4 27.6

265 21.9 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.431 ng

RT: 17.033 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF143730.D

Acq: 12 Sep 2025 13:44

Instrument :

BNA_F

ClientSampleId :

WC-29

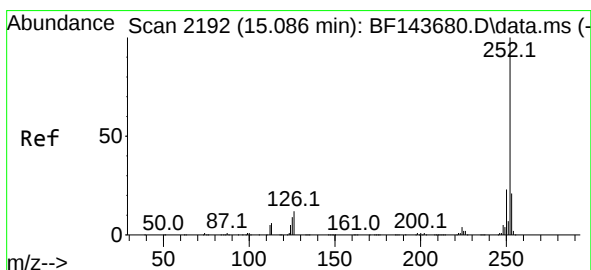
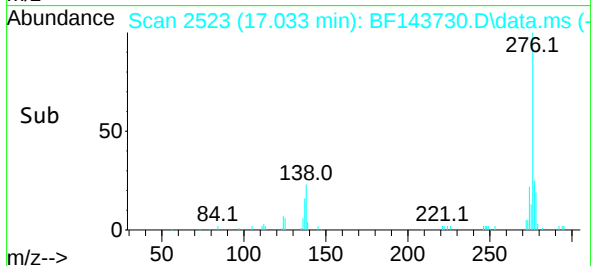
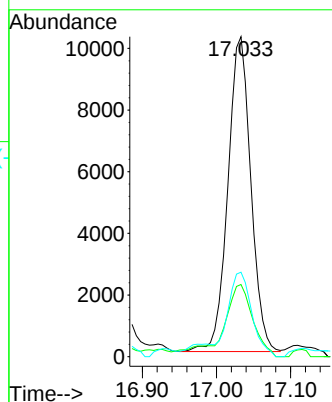
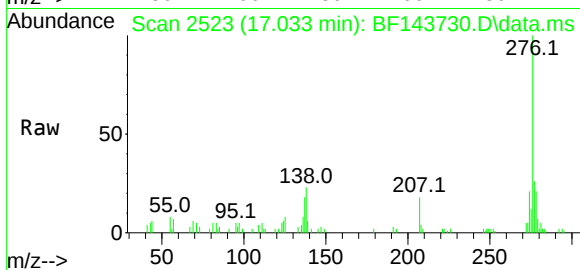
Tgt Ion:276 Resp: 22010

Ion Ratio Lower Upper

276 100

138 29.9 19.7 29.5#

277 27.6 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 11.116 ng

RT: 15.104 min Scan# 2195

Delta R.T. 0.017 min

Lab File: BF143730.D

Acq: 12 Sep 2025 13:44

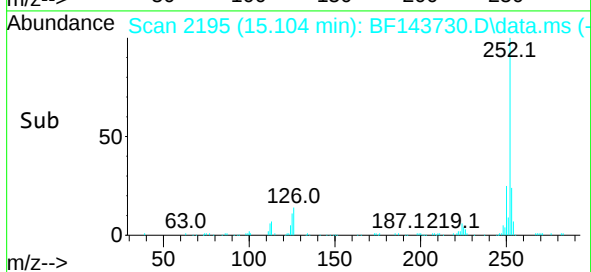
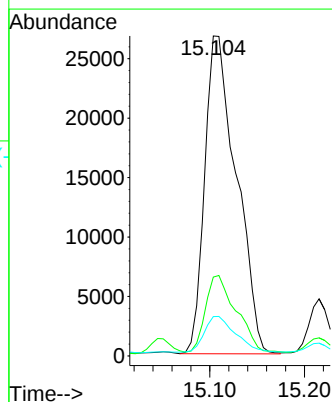
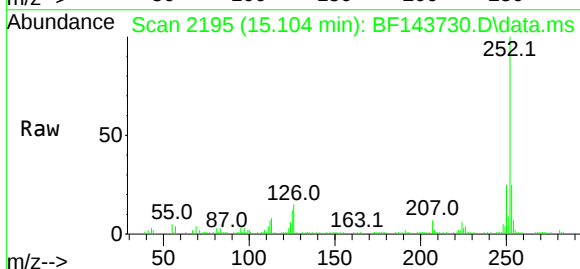
Tgt Ion:252 Resp: 62198

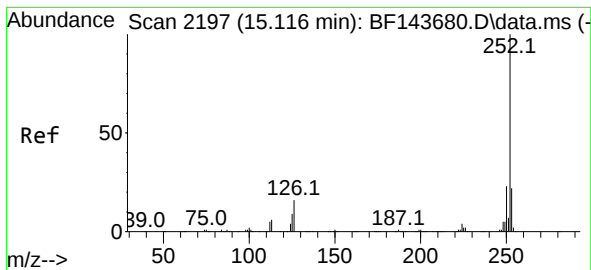
Ion Ratio Lower Upper

252 100

253 24.7 17.0 25.4

125 12.3 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 12.317 ng

RT: 15.104 min Scan# 2195

Delta R.T. -0.012 min

Lab File: BF143730.D

Acq: 12 Sep 2025 13:44

Instrument :

BNA_F

ClientSampleId :

WC-29

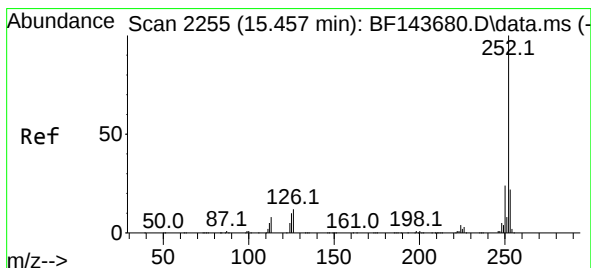
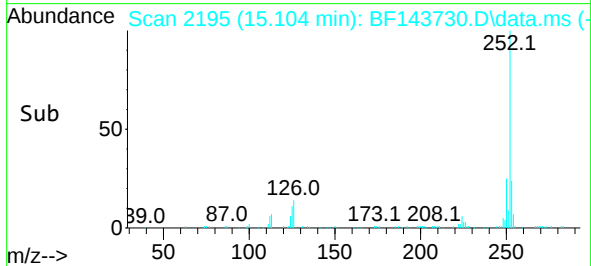
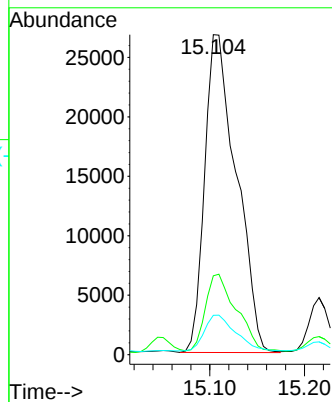
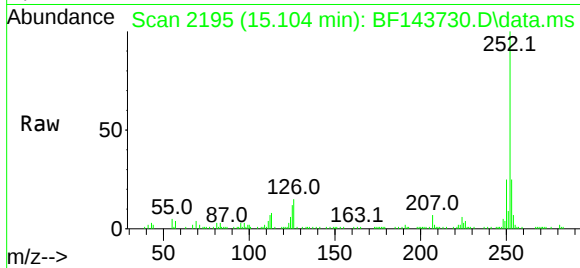
Tgt Ion:252 Resp: 62198

Ion Ratio Lower Upper

252 100

253 24.7 17.3 25.9

125 12.3 7.3 10.9#



#90

Benzo(a)pyrene

Concen: 6.773 ng

RT: 15.474 min Scan# 2258

Delta R.T. 0.017 min

Lab File: BF143730.D

Acq: 12 Sep 2025 13:44

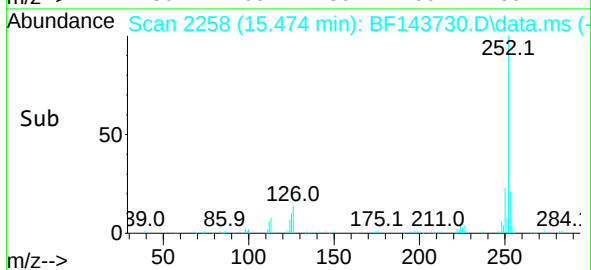
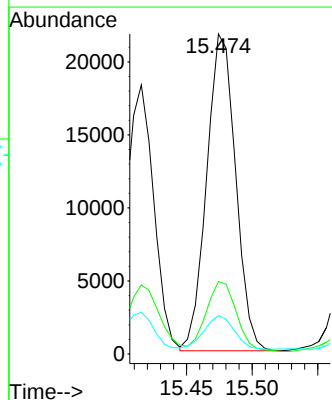
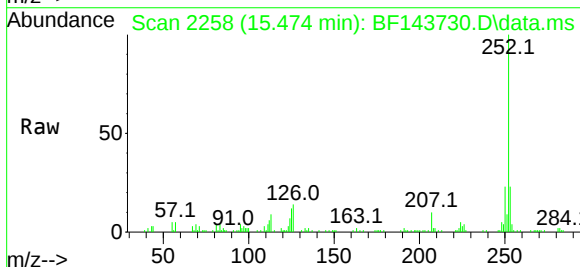
Tgt Ion:252 Resp: 33293

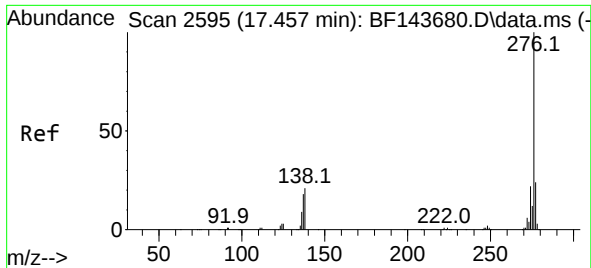
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

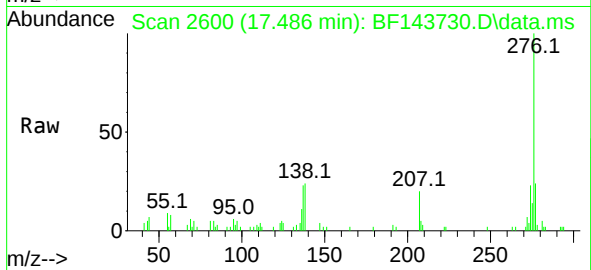
125 12.0 8.2 12.4





#92
 Benzo(g,h,i)perylene
 Concen: 4.570 ng
 RT: 17.486 min Scan# 20
 Delta R.T. 0.029 min
 Lab File: BF143730.D
 Acq: 12 Sep 2025 13:44

Instrument :
 BNA_F
 ClientSampleId :
 WC-29



Tgt Ion:	276	Resp:	22749
Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.2	28.8
138	23.5	17.0	25.4

