

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
 Data File : BF143709.D
 Acq On : 11 Sep 2025 16:31
 Operator : RC/JU
 Sample : Q3066-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 354

Quant Time: Sep 11 16:56:37 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)

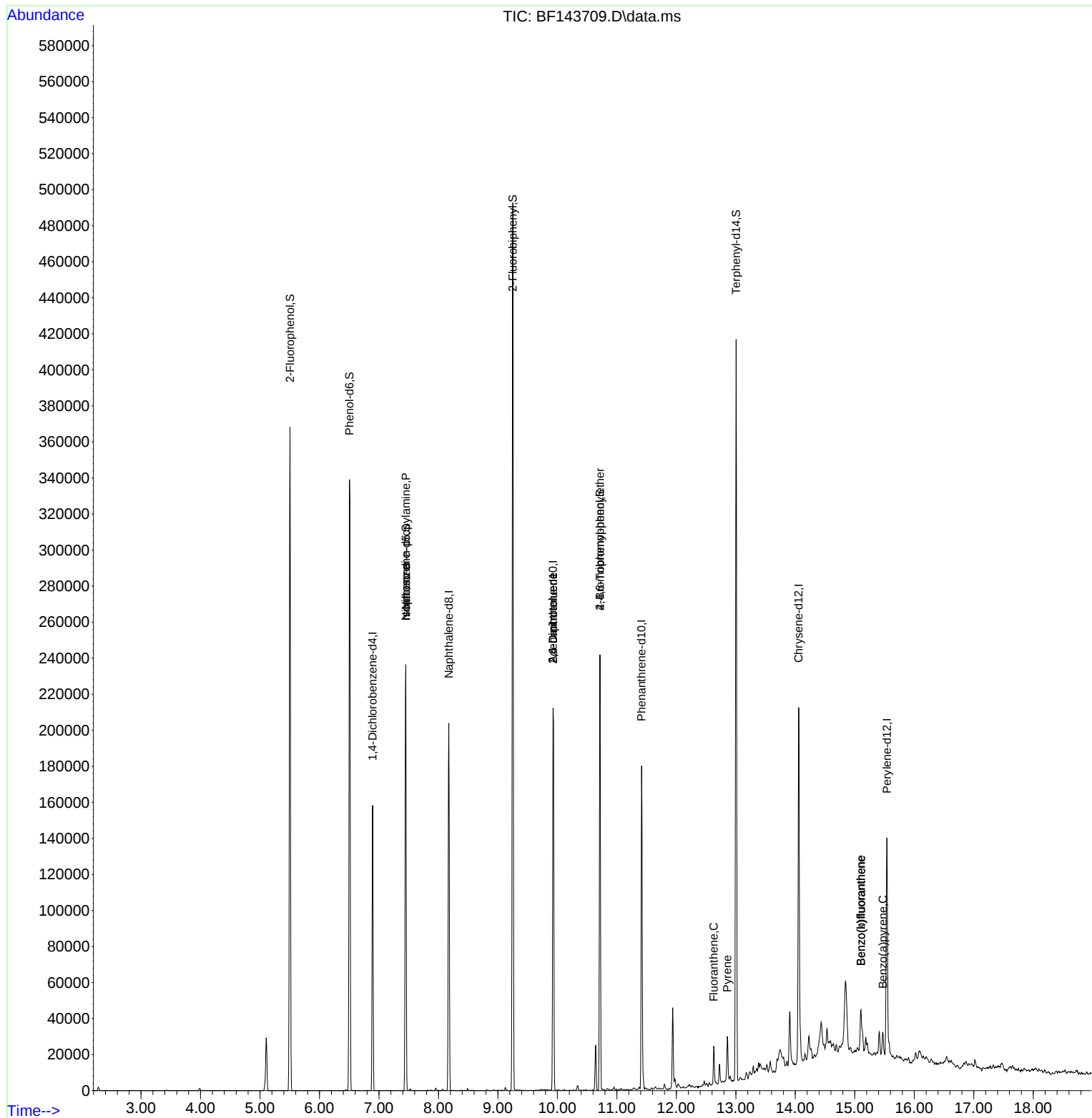
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	34723	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	128481	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	67664	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	93947	20.000	ng	0.00
76) Chrysene-d12	14.057	240	90028	20.000	ng	0.01
86) Perylene-d12	15.539	264	71259	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	139232	68.413	ng	0.00
7) Phenol-d6	6.504	99	169015	68.205	ng	0.00
23) Nitrobenzene-d5	7.451	82	105303	50.980	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	43189	63.336	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	227404	50.768	ng	0.00
79) Terphenyl-d14	13.004	244	200482	36.087	ng	0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	13416	8.815	ng	# 79
25) Isophorone	7.451	82	105209	26.562	ng	# 64
51) 2,6-Dinitrotoluene	9.928	165	8687	10.320	ng	# 27
57) 2,4-Dinitrotoluene	9.928	165	8687	7.583	ng	# 27
67) 4-Bromophenyl-phenylether	10.716	248	2876	2.539	ng	# 1
75) Fluoranthene	12.628	202	12399	2.609	ng	98
78) Pyrene	12.857	202	14909	2.071	ng	95
88) Benzo(b)fluoranthene	15.104	252	18701	4.409	ng	# 93
89) Benzo(k)fluoranthene	15.104	252	18701	4.885	ng	# 93
90) Benzo(a)pyrene	15.474	252	7731	2.075	ng	# 96

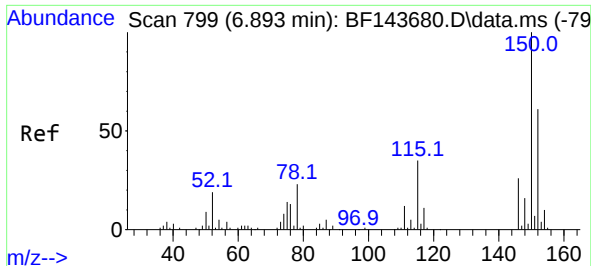
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 09 15:20:16 2025
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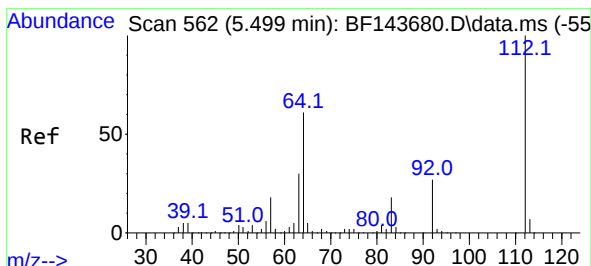
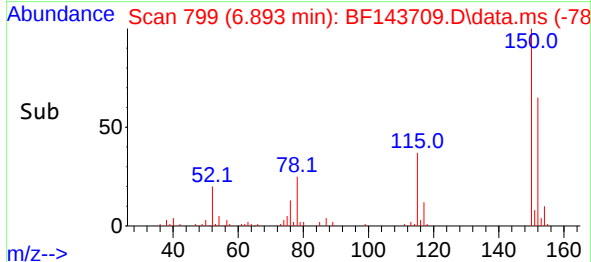
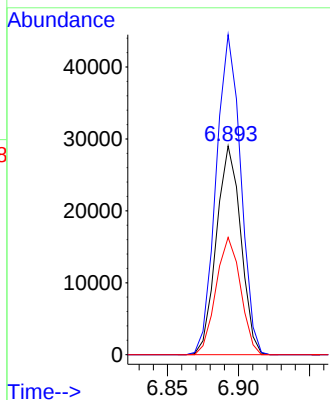
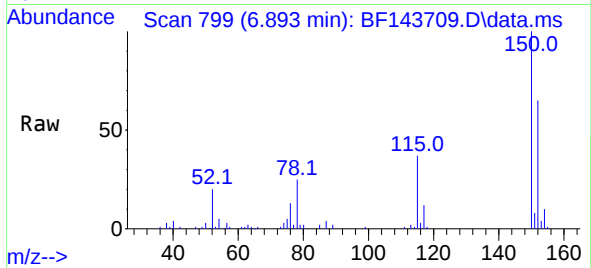




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. -0.000 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31

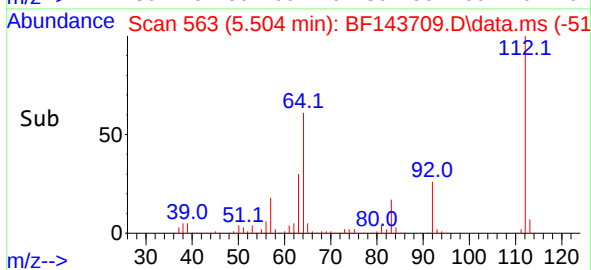
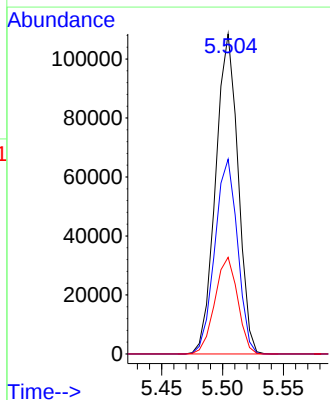
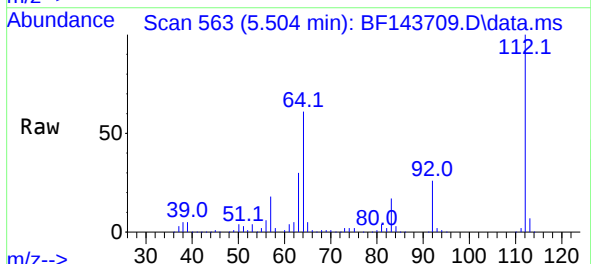
Instrument :
BNA_F
ClientSampleId :
354

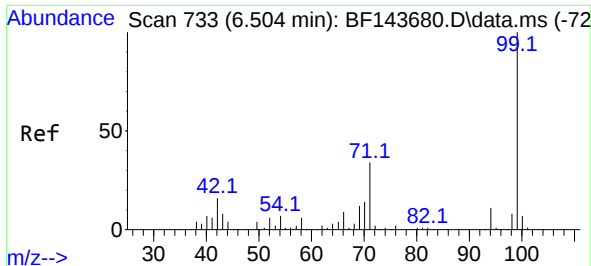
Tgt Ion:152 Resp: 34723
Ion Ratio Lower Upper
152 100
150 153.2 130.7 196.1
115 56.2 45.9 68.9



#5
2-Fluorophenol
Concen: 68.413 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31

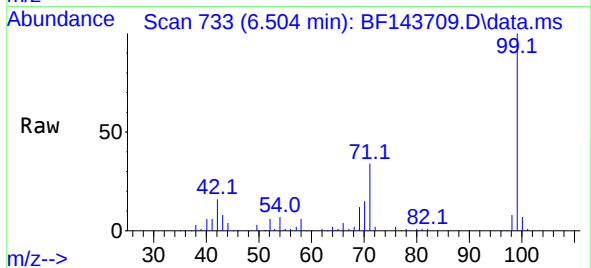
Tgt Ion:112 Resp: 139232
Ion Ratio Lower Upper
112 100
64 60.9 49.0 73.4
63 30.2 24.3 36.5



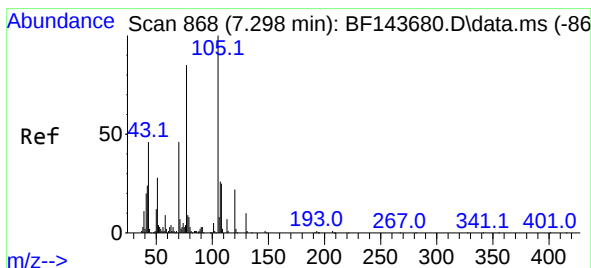
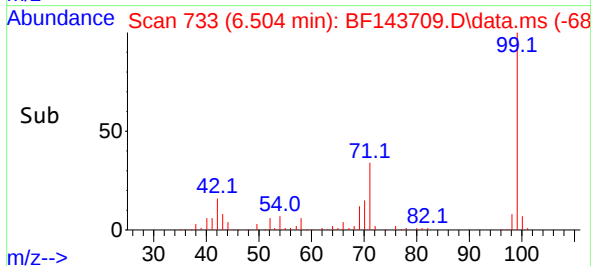
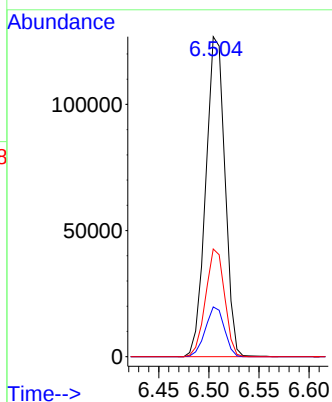


#7
Phenol-d6
Concen: 68.205 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31

Instrument :
BNA_F
ClientSampleId :
354

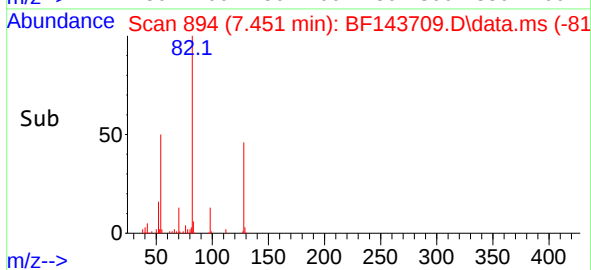
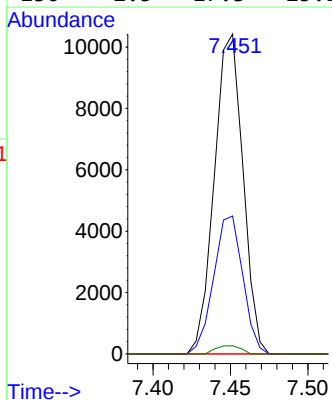
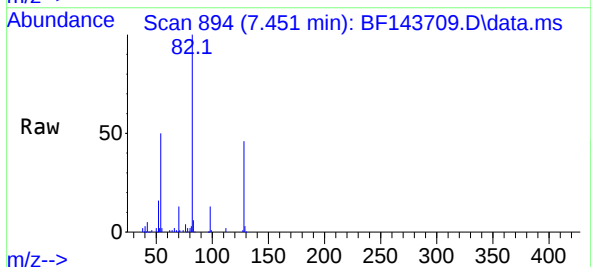


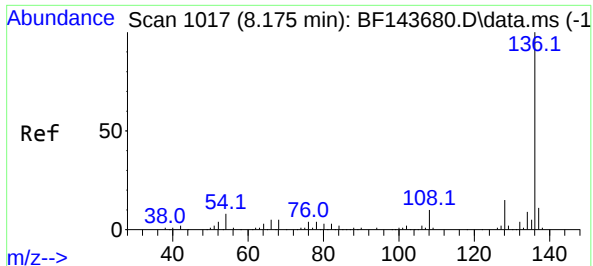
Tgt Ion: 99 Resp: 169015
Ion Ratio Lower Upper
99 100
42 15.6 13.0 19.4
71 33.7 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 8.815 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.153 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31

Tgt Ion: 70 Resp: 13416
Ion Ratio Lower Upper
70 100
42 43.1 41.4 62.2
101 0.0 8.1 12.1#
130 2.5 17.3 25.9#

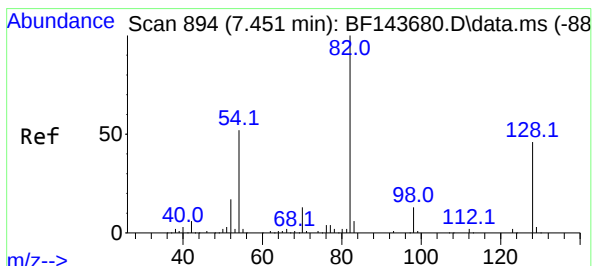
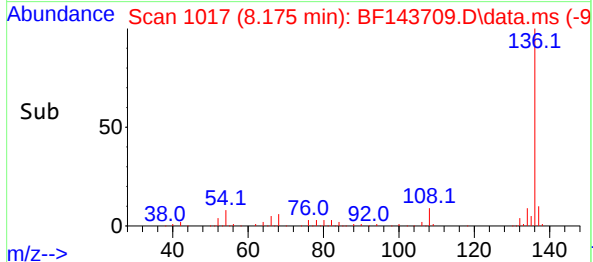
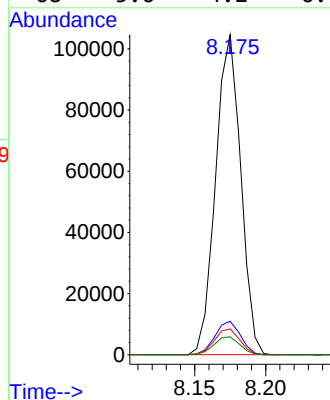
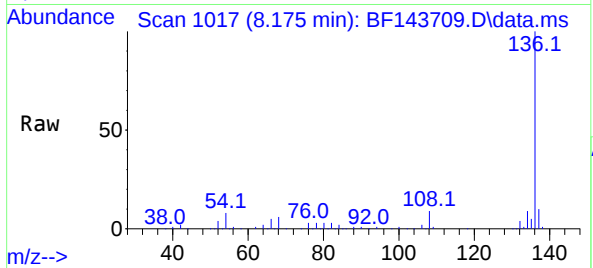




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31

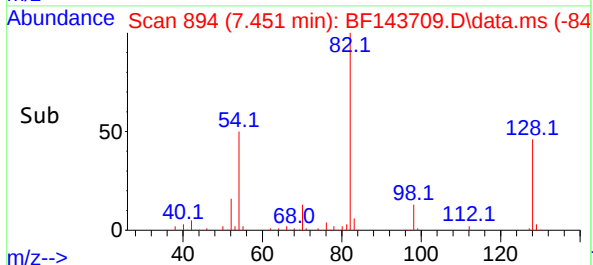
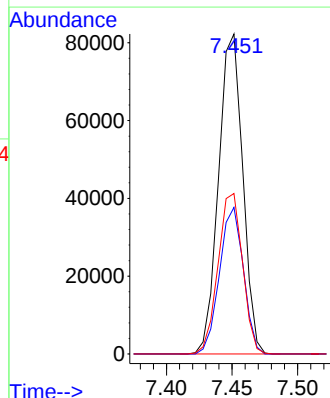
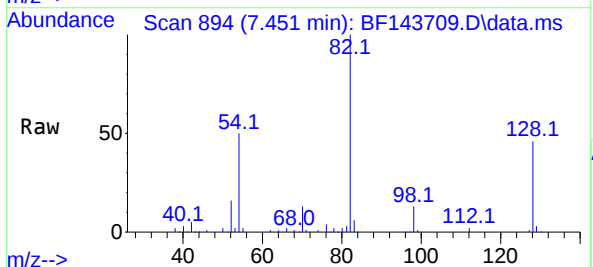
Instrument :
BNA_F
ClientSampleId :
354

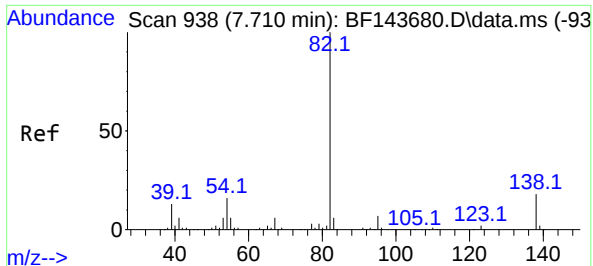
Tgt Ion:	136	Resp:	128481
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.7	13.1
54	8.0	6.2	9.2
68	5.6	4.2	6.4



#23
Nitrobenzene-d5
Concen: 50.980 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.000 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31

Tgt Ion:	82	Resp:	105303
Ion Ratio	Lower	Upper	
82	100		
128	45.8	37.0	55.4
54	50.2	41.8	62.8

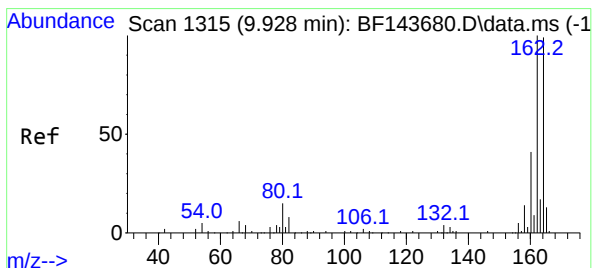
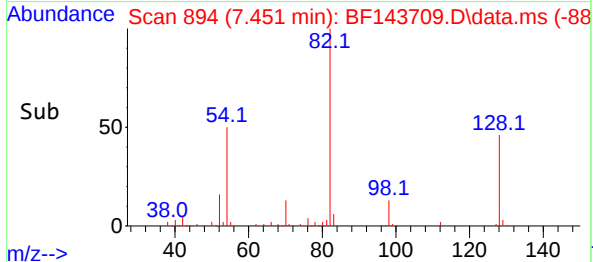
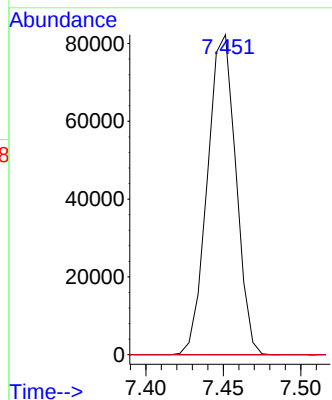
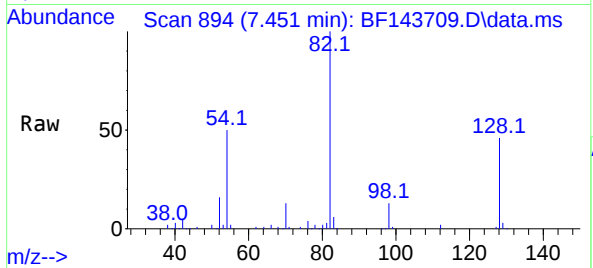




#25
Isophorone
Concen: 26.562 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.259 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31

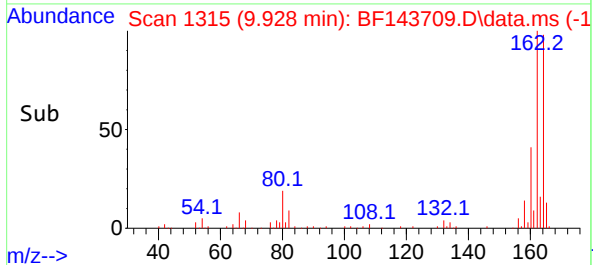
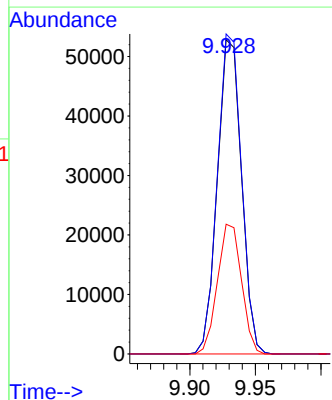
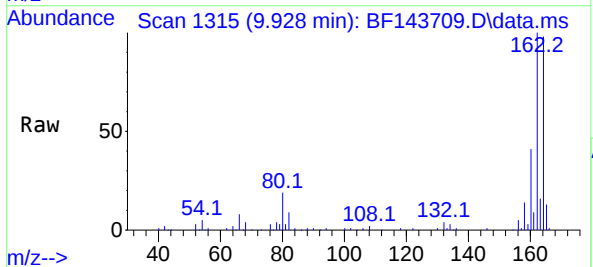
Instrument :
BNA_F
ClientSampleId :
354

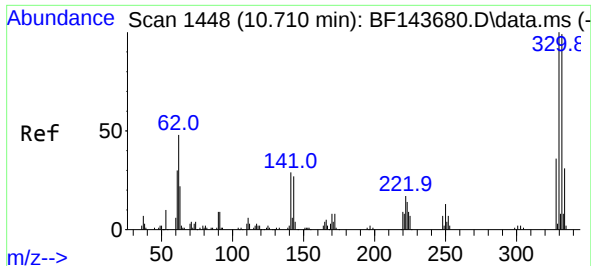
Tgt Ion: 82 Resp: 105209
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.8 22.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1315
Delta R.T. 0.000 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31

Tgt Ion:164 Resp: 67664
Ion Ratio Lower Upper
164 100
162 101.8 80.6 121.0
160 41.3 33.0 49.4





#42

2,4,6-Tribromophenol

Concen: 63.336 ng

RT: 10.716 min Scan# 1448

Delta R.T. 0.006 min

Lab File: BF143709.D

Acq: 11 Sep 2025 16:31

Instrument :

BNA_F

ClientSampleId :

354

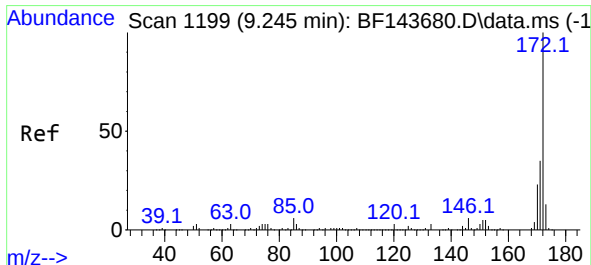
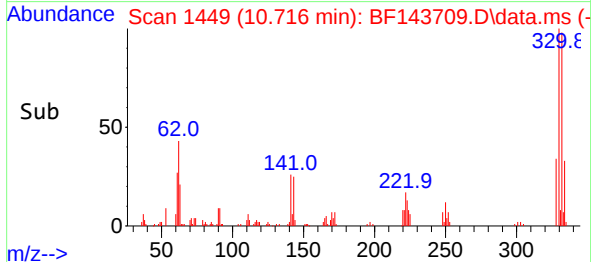
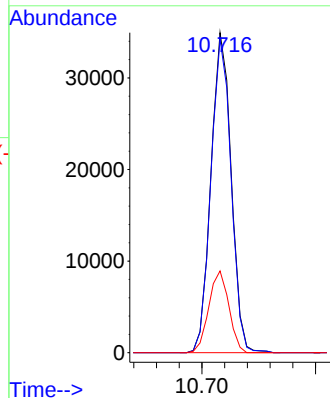
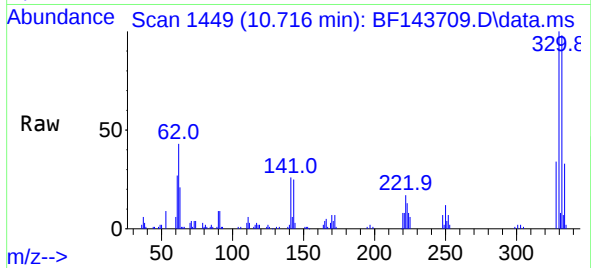
Tgt Ion:330 Resp: 43189

Ion Ratio Lower Upper

330 100

332 97.7 79.2 118.8

141 25.3 22.2 33.4



#45

2-Fluorobiphenyl

Concen: 50.768 ng

RT: 9.251 min Scan# 1200

Delta R.T. 0.006 min

Lab File: BF143709.D

Acq: 11 Sep 2025 16:31

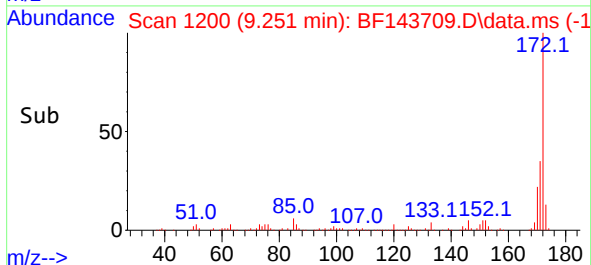
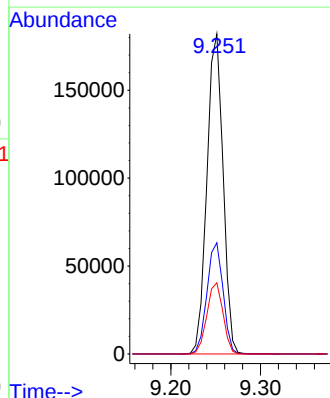
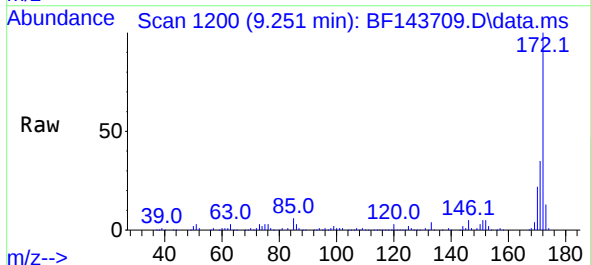
Tgt Ion:172 Resp: 227404

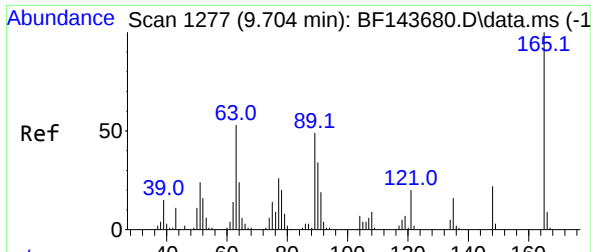
Ion Ratio Lower Upper

172 100

171 34.8 27.9 41.9

170 22.3 18.6 27.8

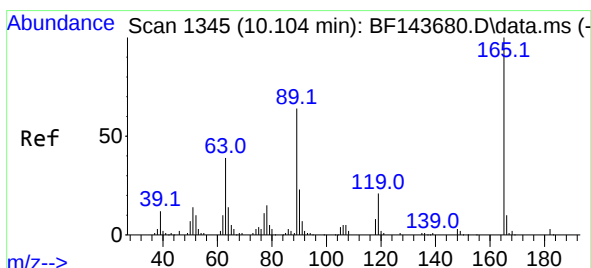
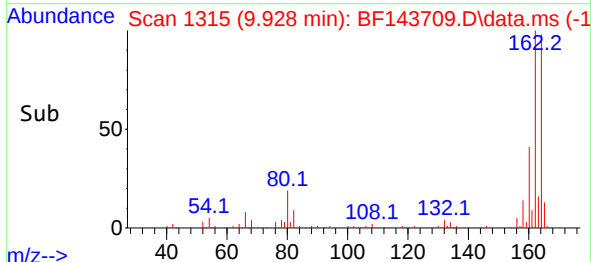
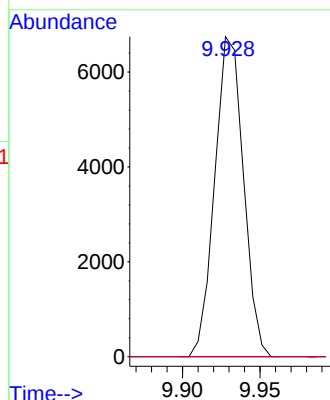
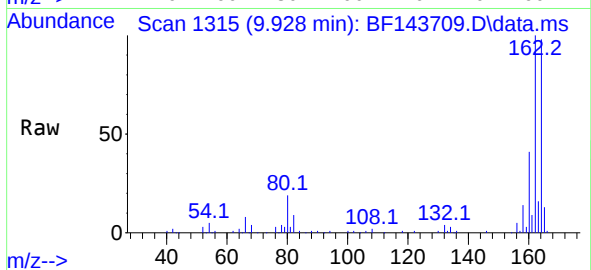




#51
2,6-Dinitrotoluene
Concen: 10.320 ng
RT: 9.928 min Scan# 1315
Delta R.T. 0.223 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31

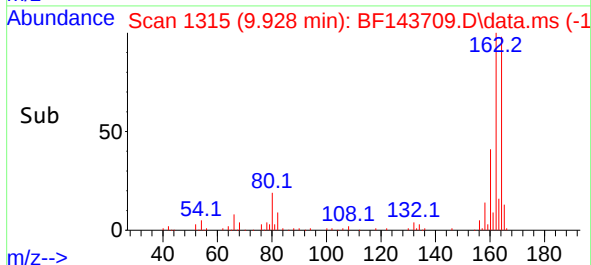
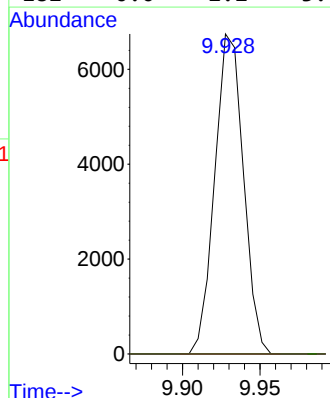
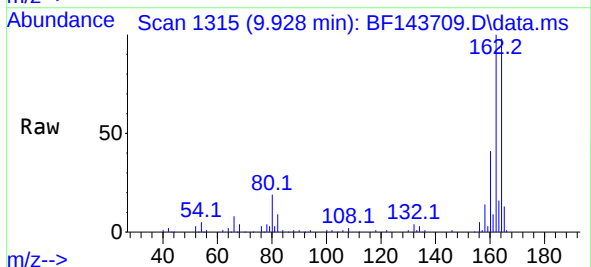
Instrument :
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ClientSampleId :
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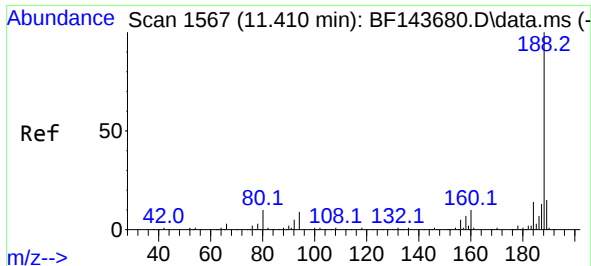
Tgt Ion:165 Resp: 8687
Ion Ratio Lower Upper
165 100
63 0.0 42.2 63.4#
89 0.0 39.3 58.9#



#57
2,4-Dinitrotoluene
Concen: 7.583 ng
RT: 9.928 min Scan# 1315
Delta R.T. -0.176 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31

Tgt Ion:165 Resp: 8687
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#

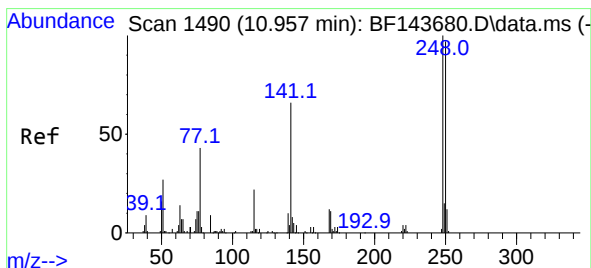
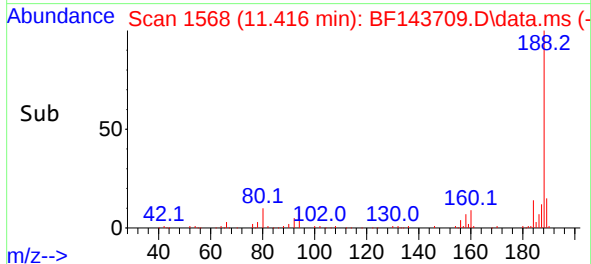
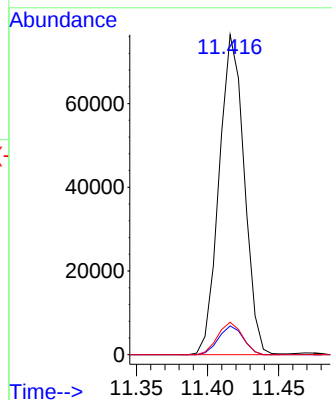
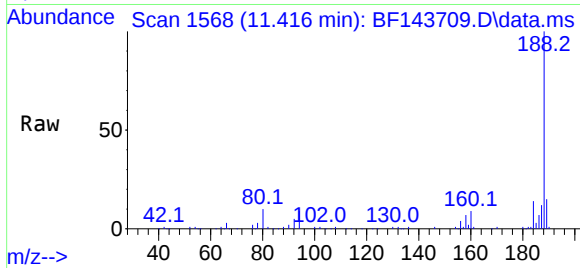




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31

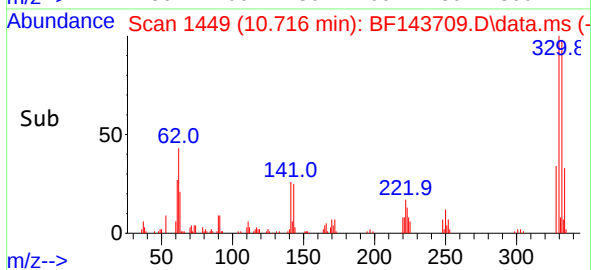
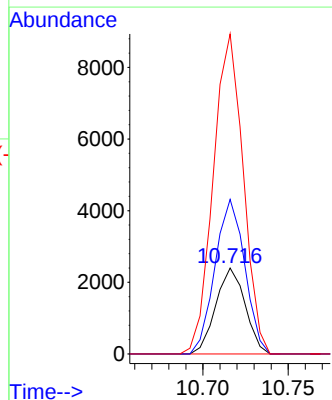
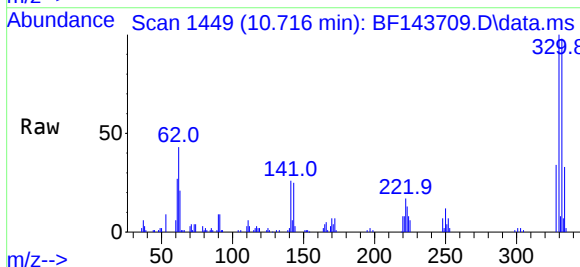
Instrument :
BNA_F
ClientSampleId :
354

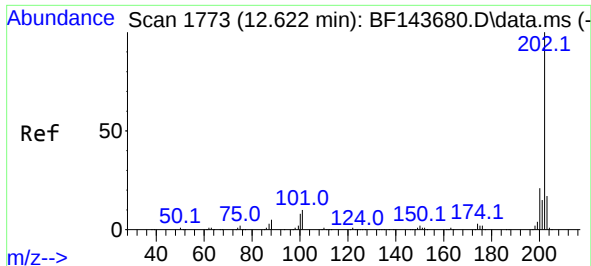
Tgt Ion:188 Resp: 93947
Ion Ratio Lower Upper
188 100
94 9.0 7.4 11.0
80 10.1 7.7 11.5



#67
4-Bromophenyl-phenylether
Concen: 2.539 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.241 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31

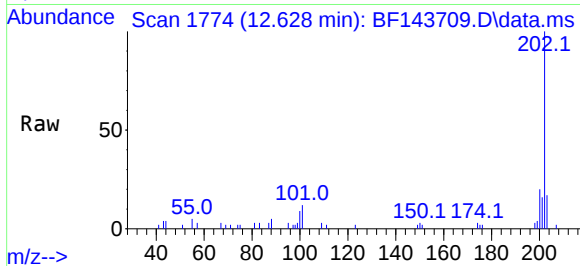
Tgt Ion:248 Resp: 2876
Ion Ratio Lower Upper
248 100
250 179.8 77.5 116.3#
141 372.1 52.6 79.0#



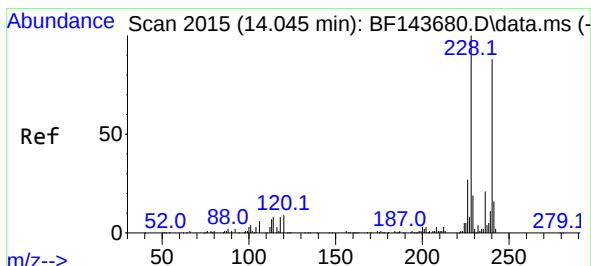
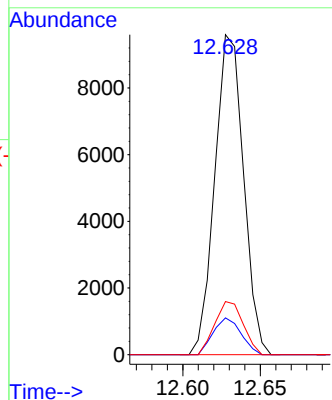


#75
Fluoranthene
Concen: 2.609 ng
RT: 12.628 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31

Instrument :
BNA_F
ClientSampleId :
354

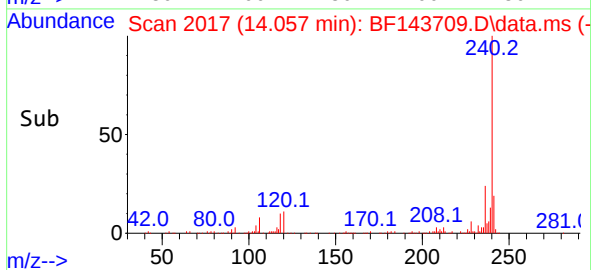
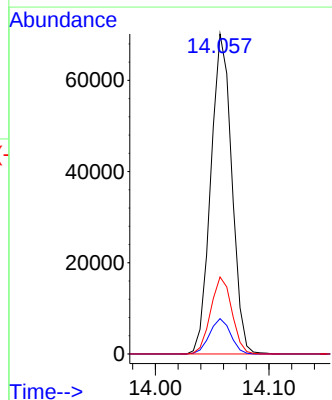
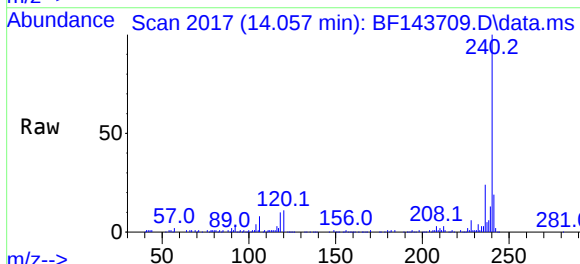


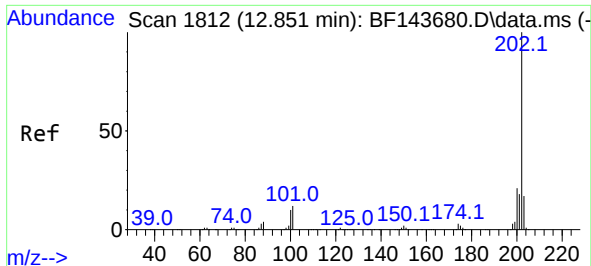
Tgt Ion:	202	Resp:	12399
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	30.5
203	16.6	0.0	37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.012 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31

Tgt Ion:	240	Resp:	90028
Ion Ratio	Lower	Upper	
240	100		
120	11.1	8.4	12.6
236	24.0	18.6	28.0

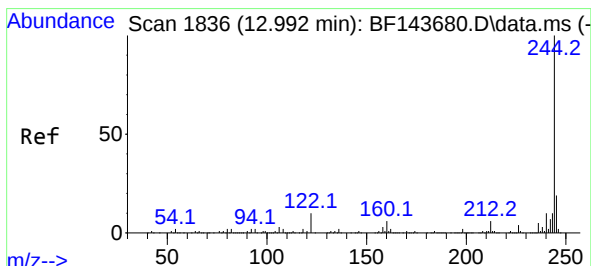
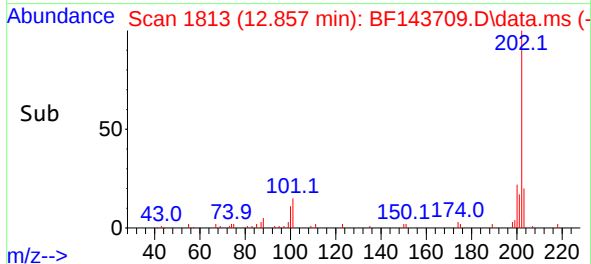
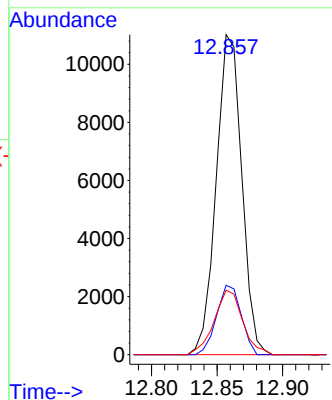
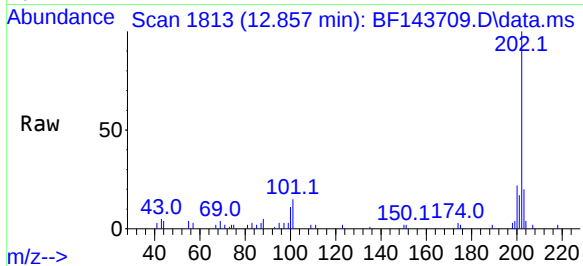




#78
Pyrene
Concen: 2.071 ng
RT: 12.857 min Scan# 1812
Delta R.T. 0.006 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31

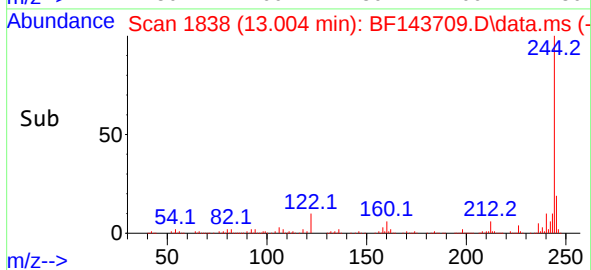
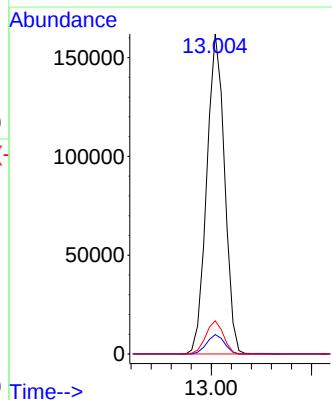
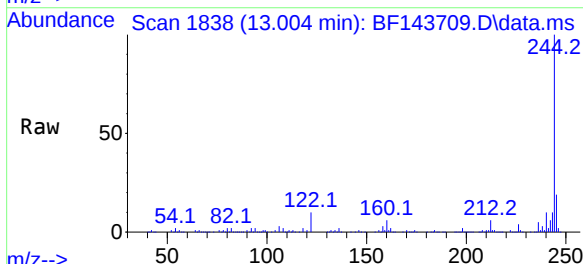
Instrument :
BNA_F
ClientSampleId :
354

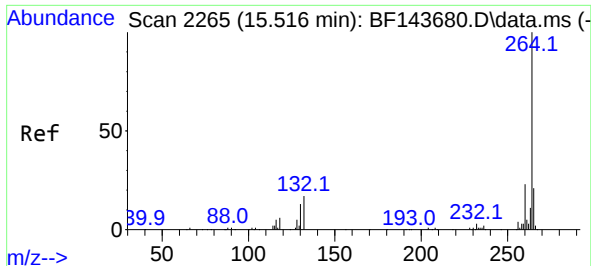
Tgt Ion:	202	Resp:	14909
Ion Ratio	Lower	Upper	
202	100		
200	21.7	16.6	24.8
203	20.2	13.5	20.3



#79
Terphenyl-d14
Concen: 36.087 ng
RT: 13.004 min Scan# 1838
Delta R.T. 0.012 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31

Tgt Ion:	244	Resp:	200482
Ion Ratio	Lower	Upper	
244	100		
212	6.0	5.0	7.6
122	10.4	7.9	11.9

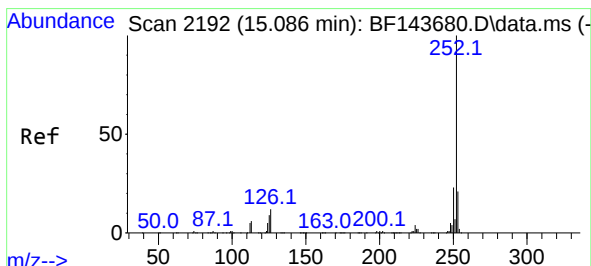
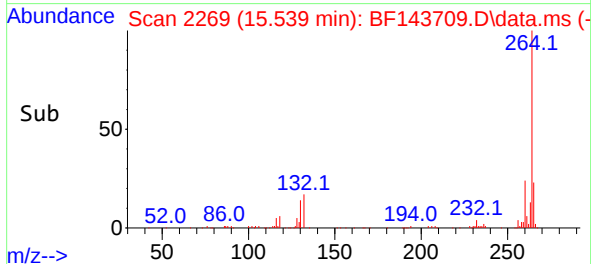
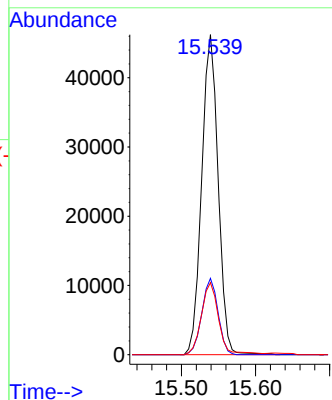
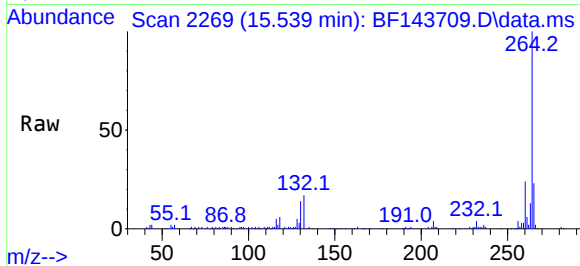




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2195
Delta R.T. 0.024 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31

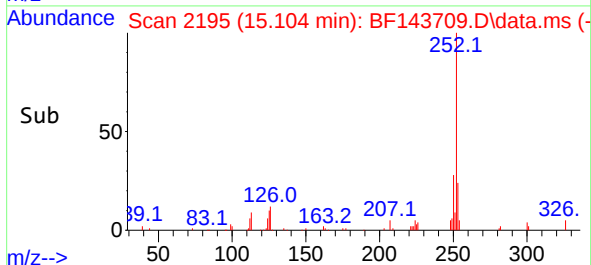
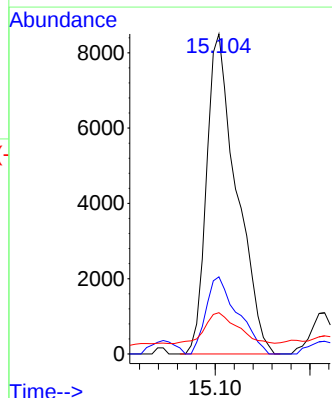
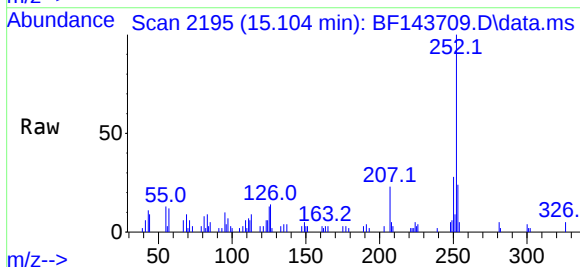
Instrument :
BNA_F
ClientSampleId :
354

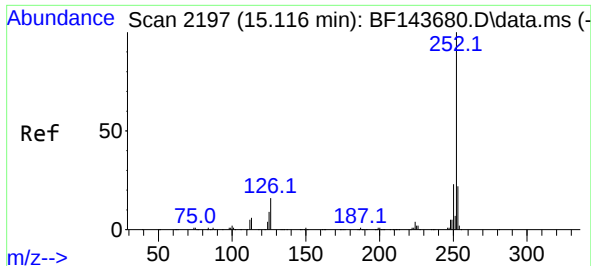
Tgt Ion:264	Resp:	71259
Ion Ratio	Lower	Upper
264	100	
260	23.9	18.4 27.6
265	22.5	17.1 25.7



#88
Benzo(b)fluoranthene
Concen: 4.409 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.018 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31

Tgt Ion:252	Resp:	18701
Ion Ratio	Lower	Upper
252	100	
253	24.1	17.0 25.4
125	12.9	7.4 11.0#

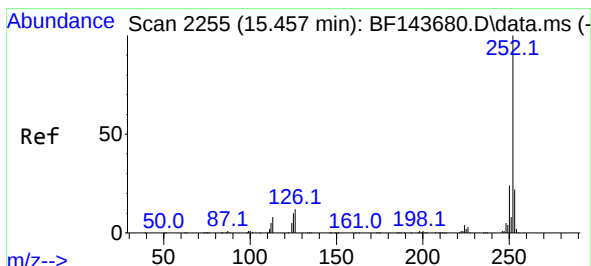
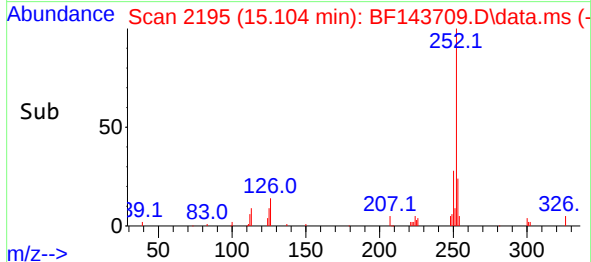
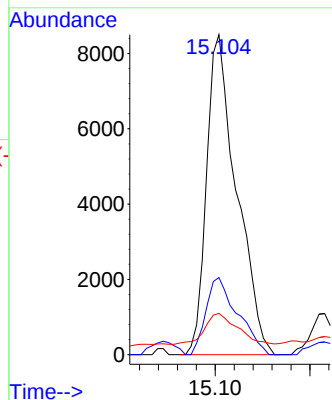
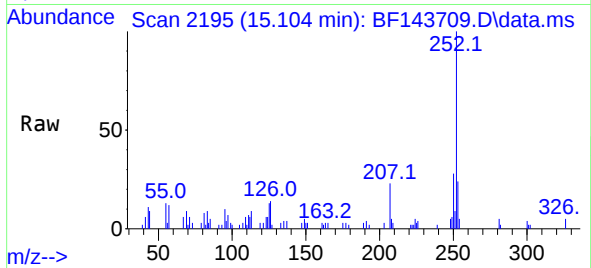




#89
Benzo(k)fluoranthene
Concen: 4.885 ng
RT: 15.104 min Scan# 2197
Delta R.T. -0.012 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31

Instrument :
BNA_F
ClientSampleId :
354

Tgt Ion:252 Resp: 18701
Ion Ratio Lower Upper
252 100
253 24.1 17.3 25.9
125 12.9 7.3 10.9#



#90
Benzo(a)pyrene
Concen: 2.075 ng
RT: 15.474 min Scan# 2258
Delta R.T. 0.018 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31

Tgt Ion:252 Resp: 7731
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.0
125 14.6 8.2 12.4#

