

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143042.D
 Acq On : 08 Jul 2025 19:41
 Operator : RC/JU
 Sample : Q2484-01DL 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-58DL

Quant Time: Jul 09 01:41:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

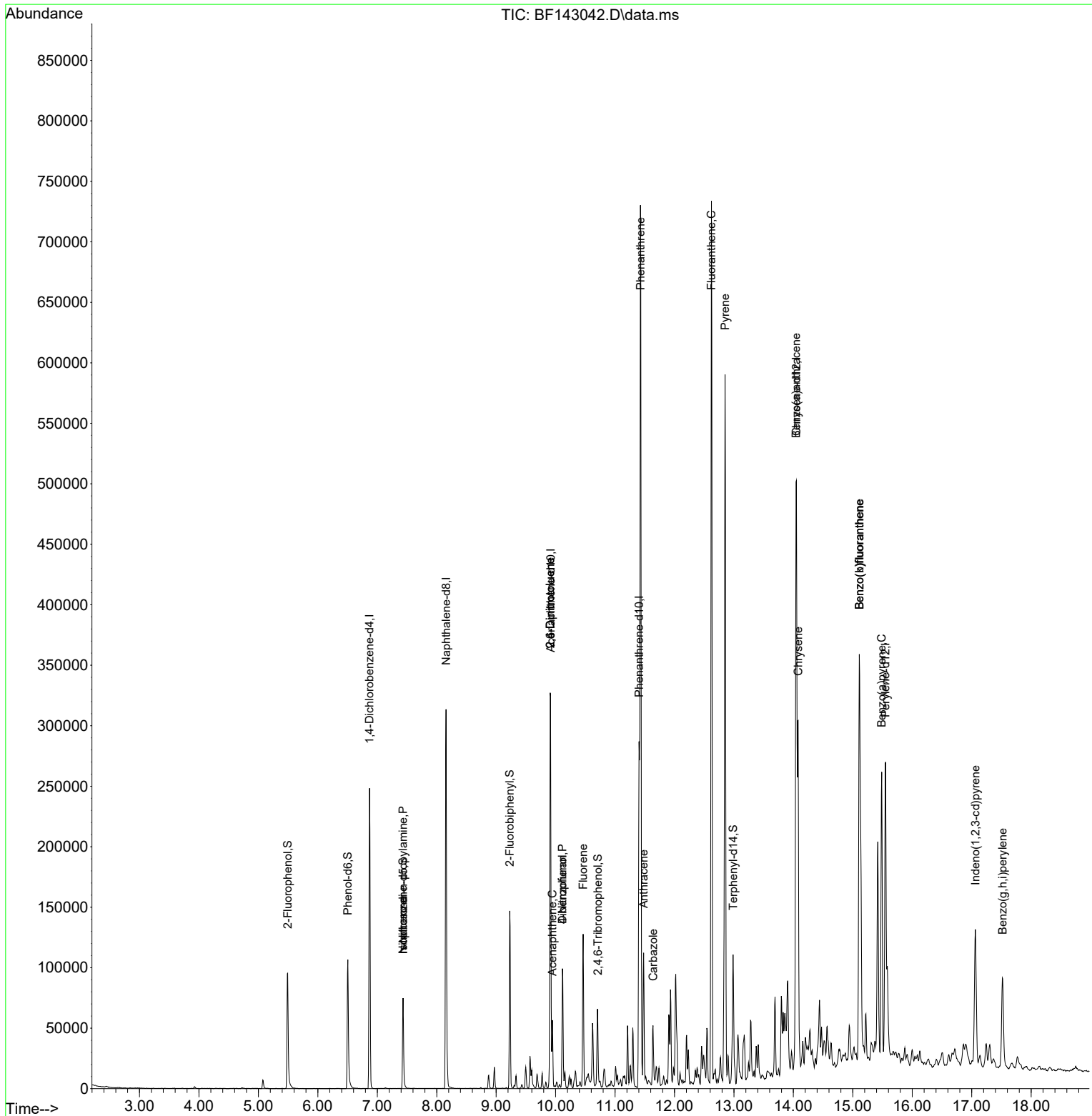
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	55124	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	205762	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	101508	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	147948	20.000	ng	0.00
76) Chrysene-d12	14.051	240	119601	20.000	ng	0.00
86) Perylene-d12	15.551	264	141551	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	46567	14.065	ng	0.00
7) Phenol-d6	6.504	99	59033	15.113	ng	0.00
23) Nitrobenzene-d5	7.434	82	34671	9.242	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	7643	7.317	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	67977	8.797	ng	-0.02
79) Terphenyl-d14	12.986	244	47071	5.438	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	4576	2.014	ng	# 74
25) Isophorone	7.434	82	34675	5.762	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	14210	9.848	ng	# 26
52) Acenaphthene	9.945	154	16736	2.769	ng	99
55) Dibenzofuran	10.116	168	53957	6.226	ng	97
56) 4-Nitrophenol	10.116	139	19426	17.861	ng	# 12
57) 2,4-Dinitrotoluene	9.910	165	14210	7.414	ng	# 26
58) Fluorene	10.463	166	52087	7.695	ng	100
71) Phenanthrene	11.428	178	402101	50.173	ng	99
72) Anthracene	11.480	178	64102	7.799	ng	99
73) Carbazole	11.639	167	28748	4.053	ng	99
75) Fluoranthene	12.622	202	429657	56.489	ng	100
78) Pyrene	12.851	202	341329	30.447	ng	99
81) Benzo(a)anthracene	14.045	228	194490	24.105	ng	98
83) Chrysene	14.080	228	143686	19.958	ng	98
87) Indeno(1,2,3-cd)pyrene	17.062	276	81300	7.540	ng	96
88) Benzo(b)fluoranthene	15.110	252	291558	35.596	ng	99
89) Benzo(k)fluoranthene	15.110	252	291558	38.047	ng	98
90) Benzo(a)pyrene	15.486	252	143707	18.161	ng	99
92) Benzo(g,h,i)perylene	17.521	276	70121	8.027	ng	99

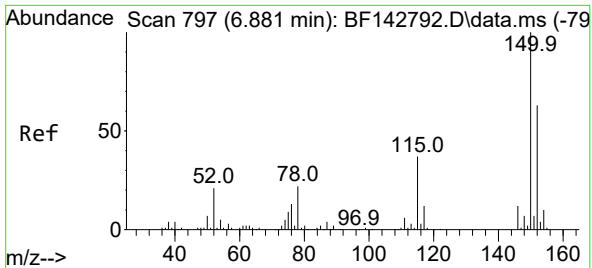
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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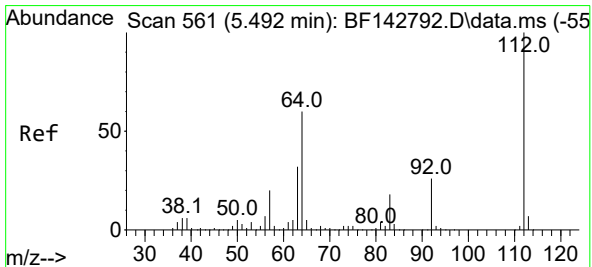
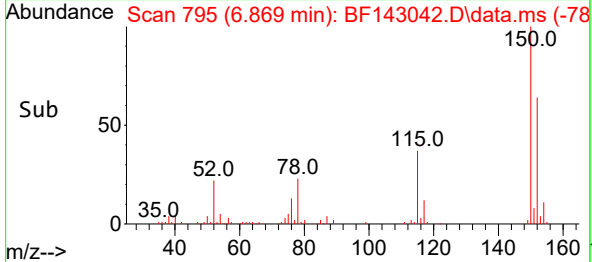
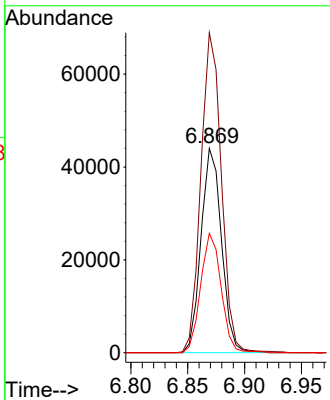
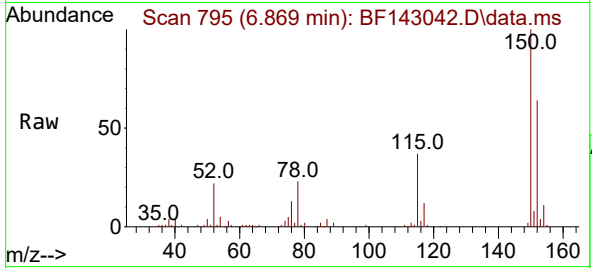




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 795
 Delta R.T. -0.012 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

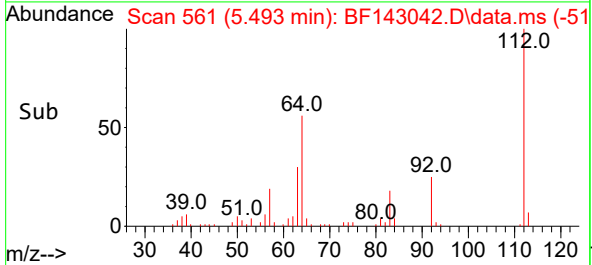
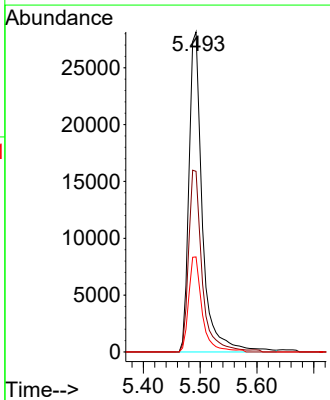
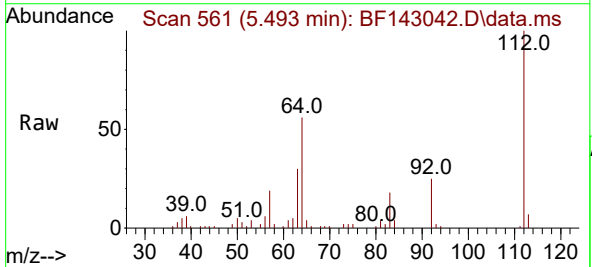
Instrument :
 BNA_F
 ClientSampleId :
 TP-58DL

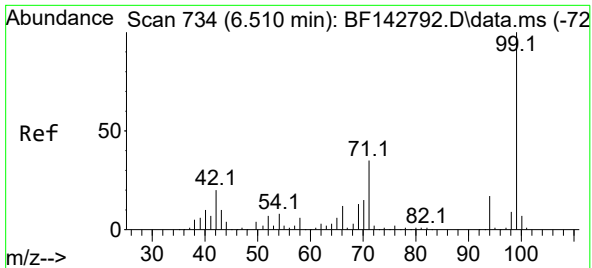
Tgt Ion:152 Resp: 55124
 Ion Ratio Lower Upper
 152 100
 150 156.6 127.2 190.8
 115 58.4 46.6 69.8



#5
 2-Fluorophenol
 Concen: 14.065 ng
 RT: 5.493 min Scan# 561
 Delta R.T. 0.001 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

Tgt Ion:112 Resp: 46567
 Ion Ratio Lower Upper
 112 100
 64 56.4 48.2 72.2
 63 29.7 25.7 38.5



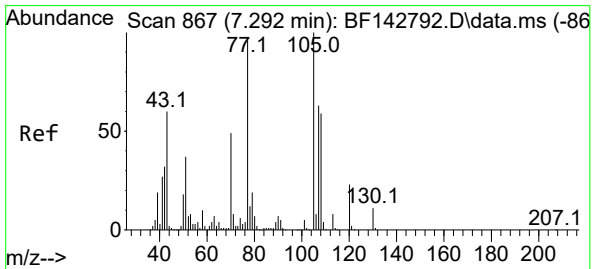
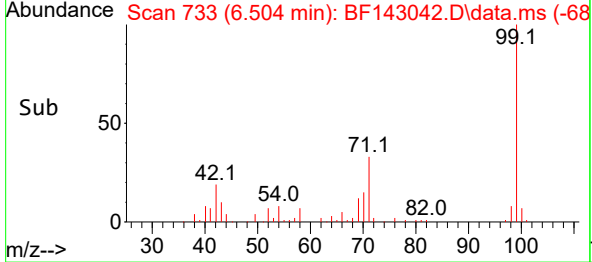
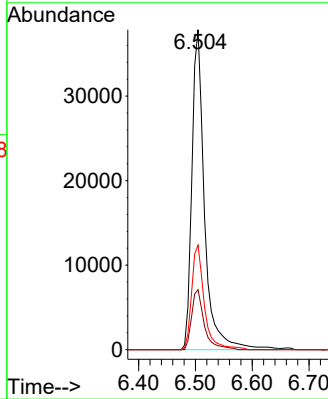
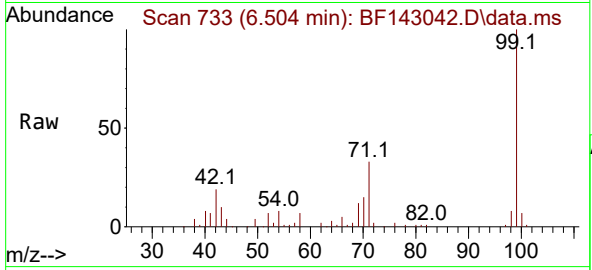


#7
Phenol-d6
Concen: 15.113 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143042.D
Acq: 08 Jul 2025 19:41

Instrument :
BNA_F
ClientSampleId :
TP-58DL

Tgt Ion: 99 Resp: 59033

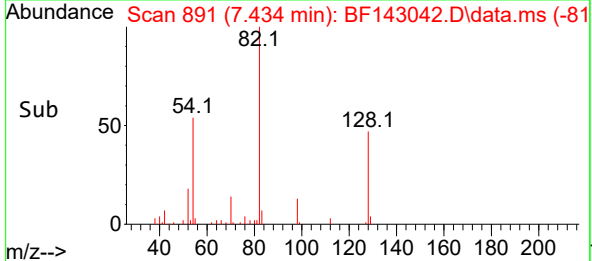
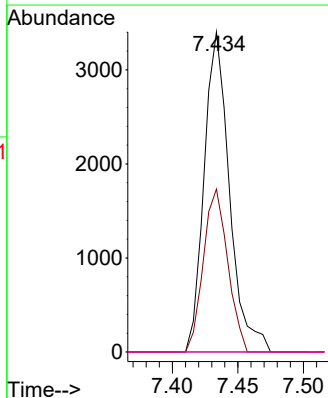
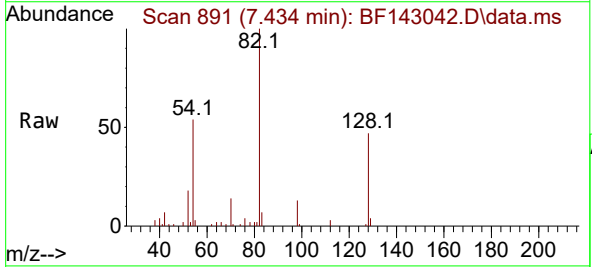
Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.9	23.9
71	32.7	27.8	41.8

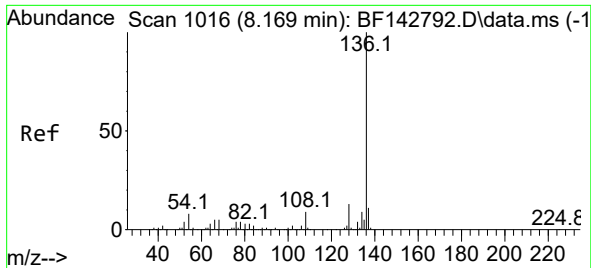


#19
n-Nitroso-di-n-propylamine
Concen: 2.014 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF143042.D
Acq: 08 Jul 2025 19:41

Tgt Ion: 70 Resp: 4576

Ion	Ratio	Lower	Upper
70	100		
42	50.9	52.1	78.1#
101	0.0	8.2	12.2#
130	0.0	18.2	27.2#



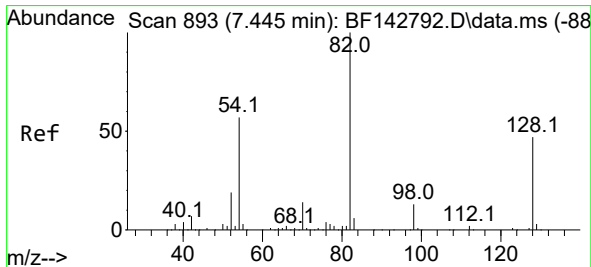
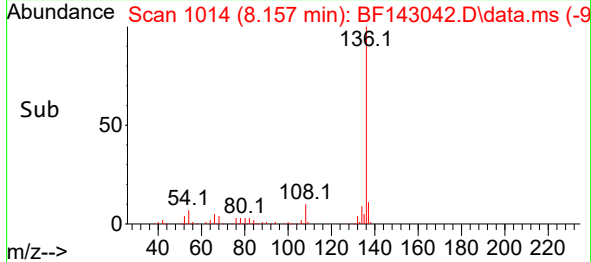
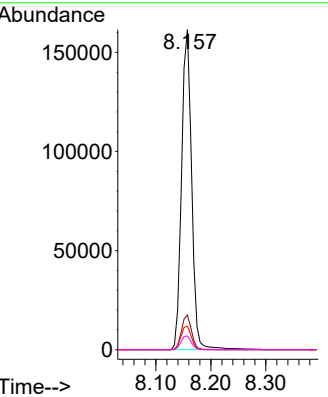
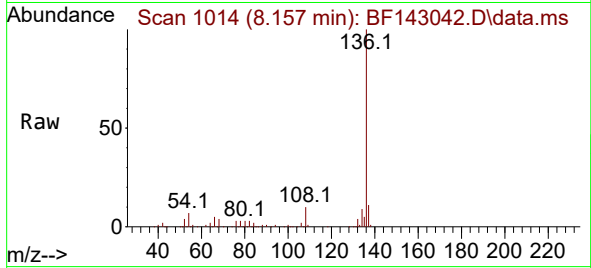


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.157 min Scan# 1014
 Delta R.T. -0.012 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

Instrument :
 BNA_F
 ClientSampleId :
 TP-58DL

Tgt Ion: 136 Resp: 205762

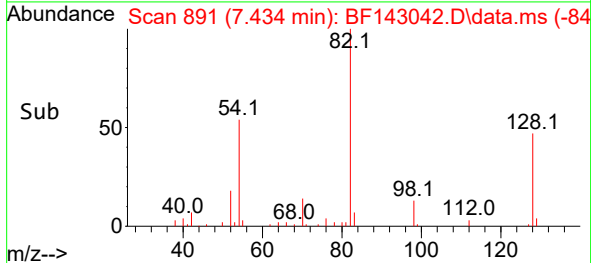
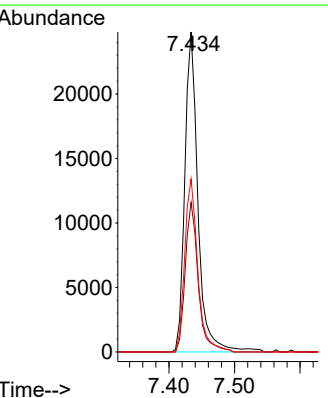
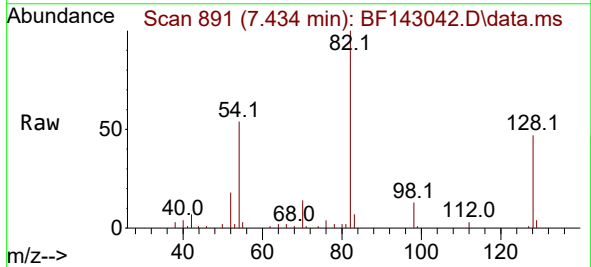
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	7.3	6.3	9.5
68	4.3	3.7	5.5

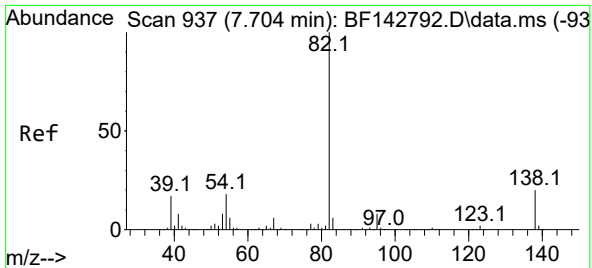


#23
 Nitrobenzene-d5
 Concen: 9.242 ng
 RT: 7.434 min Scan# 891
 Delta R.T. -0.011 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

Tgt Ion: 82 Resp: 34671

Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.7	56.5
54	54.0	45.7	68.5



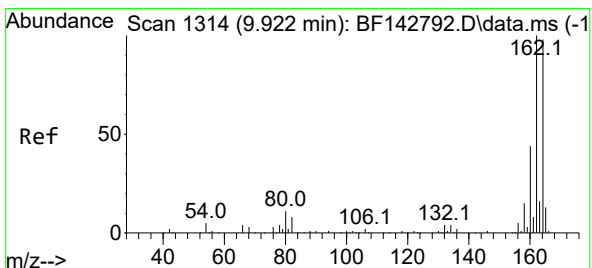
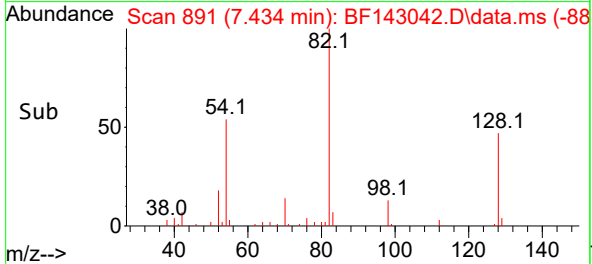
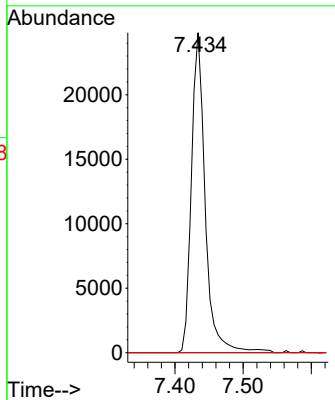
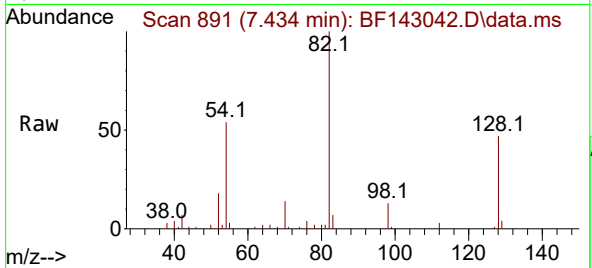


#25
 Isophorone
 Concen: 5.762 ng
 RT: 7.434 min Scan# 891
 Delta R.T. -0.270 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

Instrument : BNA_F
 Client Sample Id : TP-58DL

Tgt Ion: 82 Resp: 34675

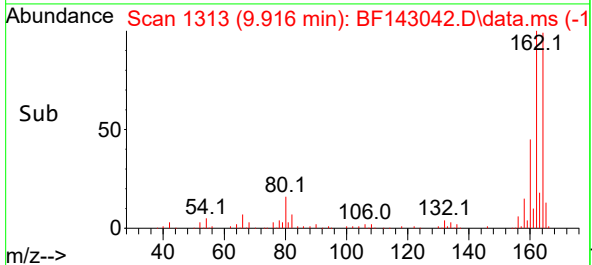
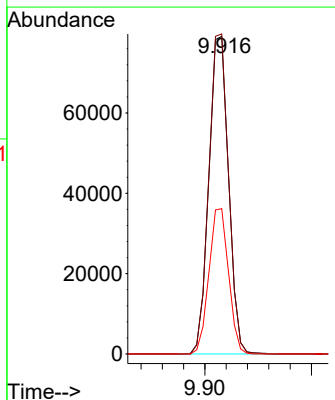
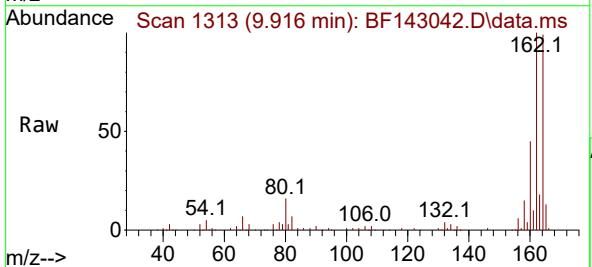
Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.2	9.2#
138	0.0	16.2	24.4#

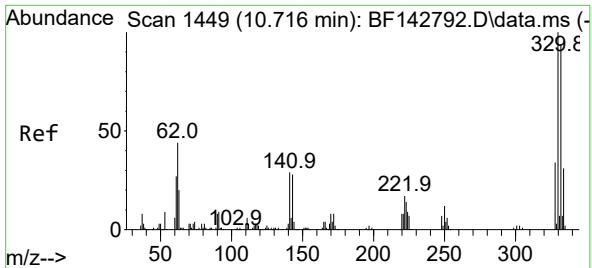


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.916 min Scan# 1313
 Delta R.T. -0.006 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

Tgt Ion: 164 Resp: 101508

Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.8	122.8
160	45.8	36.0	54.0



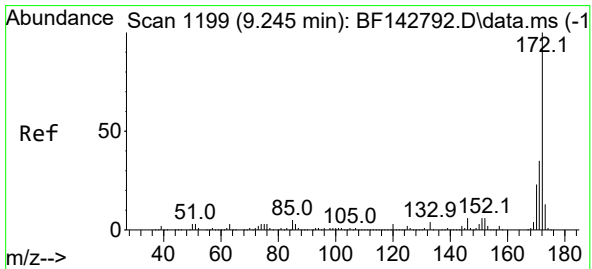
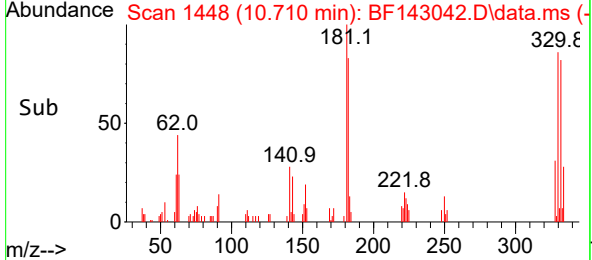
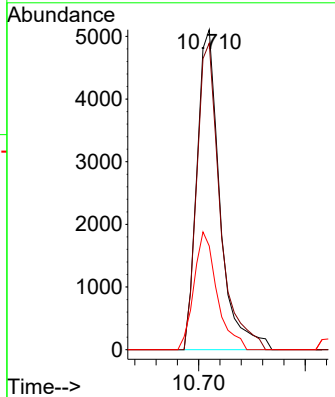
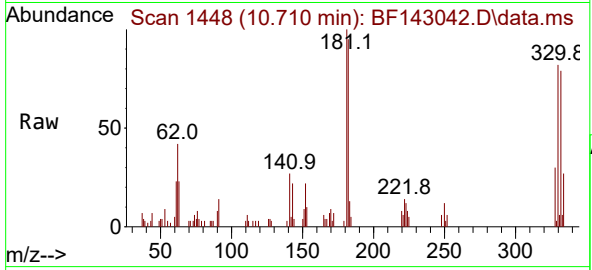


#42
 2,4,6-Tribromophenol
 Concen: 7.317 ng
 RT: 10.710 min Scan# 1448
 Delta R.T. -0.006 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

Instrument : BNA_F
 ClientSampleId : TP-58DL

Tgt Ion: 330 Resp: 7643

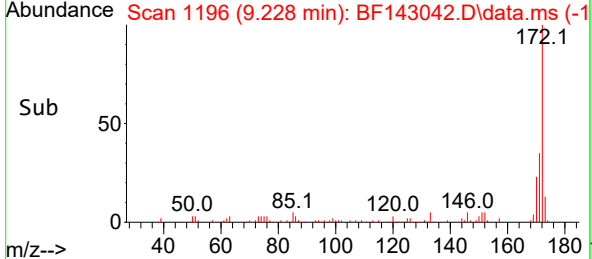
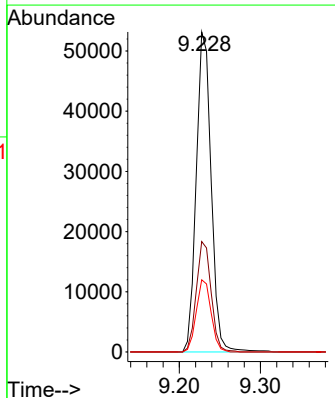
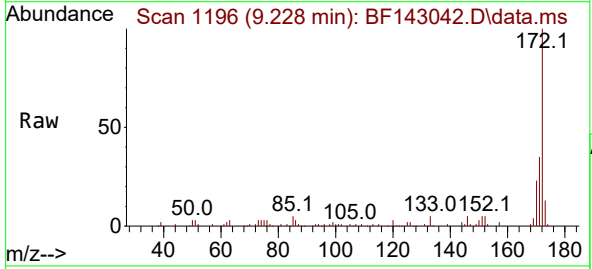
Ion	Ratio	Lower	Upper
330	100		
332	97.1	75.0	112.6
141	37.0	25.3	37.9

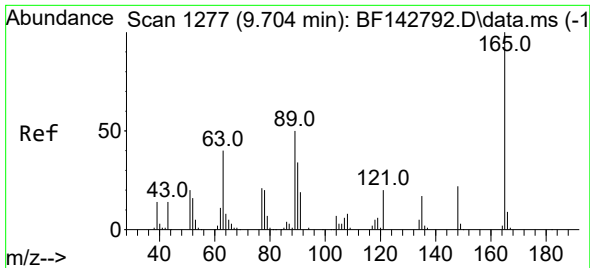


#45
 2-Fluorobiphenyl
 Concen: 8.797 ng
 RT: 9.228 min Scan# 1196
 Delta R.T. -0.017 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

Tgt Ion: 172 Resp: 67977

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.2	42.4
170	22.6	18.5	27.7

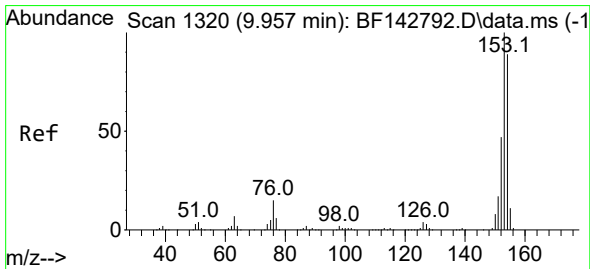
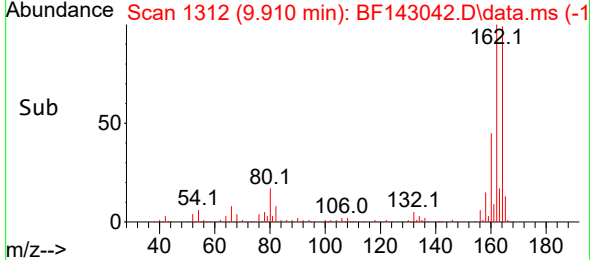
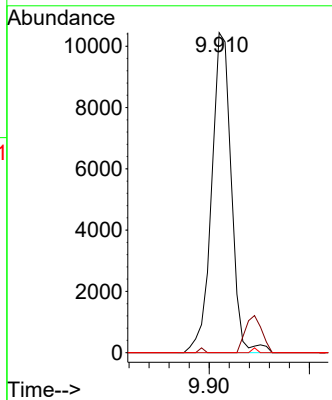
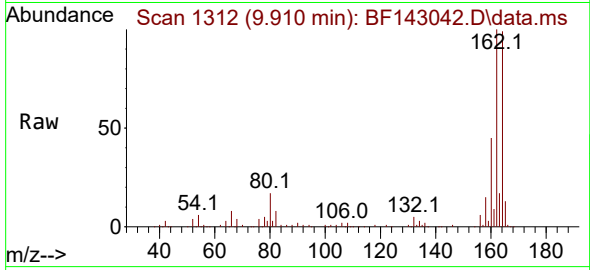




#51
 2,6-Dinitrotoluene
 Concen: 9.848 ng
 RT: 9.910 min Scan# 11
 Delta R.T. 0.206 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

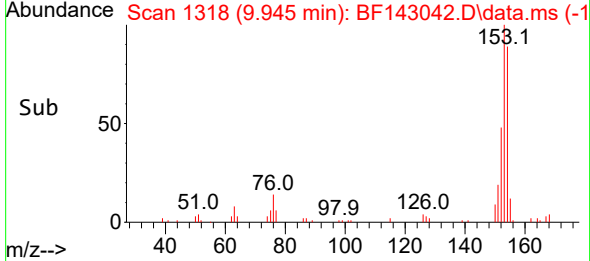
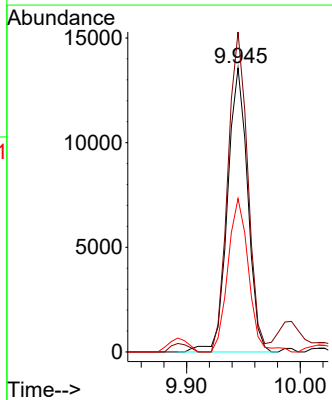
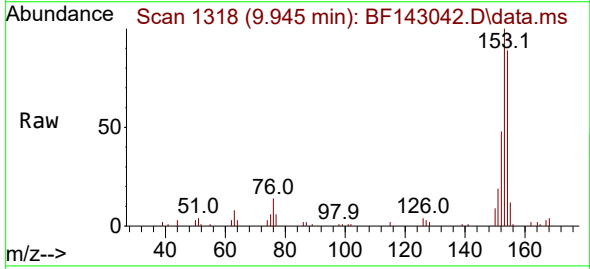
Instrument : BNA_F
 ClientSampleId : TP-58DL

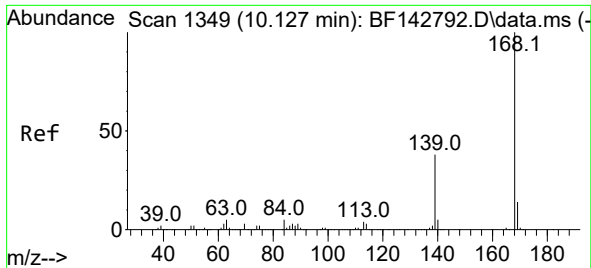
Tgt Ion	Resp	Lower	Upper
165	14210		
63	0.0	44.2	66.4#
89	0.0	39.8	59.8#



#52
 Acenaphthene
 Concen: 2.769 ng
 RT: 9.945 min Scan# 1318
 Delta R.T. -0.012 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

Tgt Ion	Resp	Lower	Upper
154	16736		
153	112.6	90.0	135.0
152	54.0	41.9	62.9

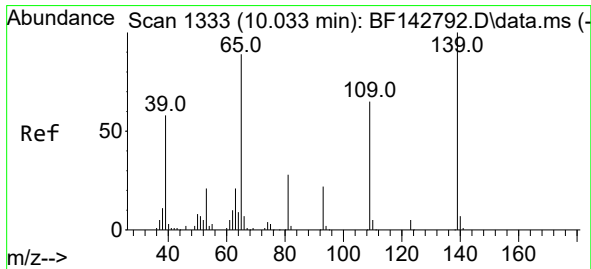
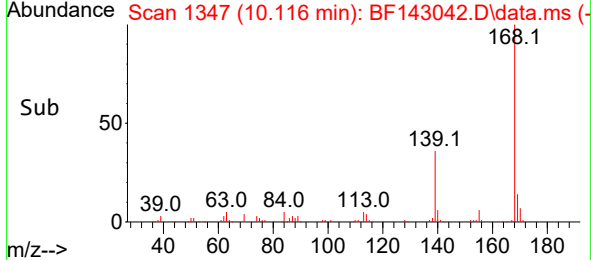
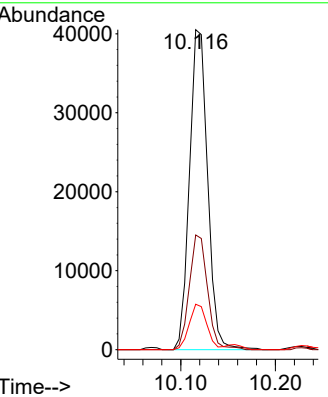
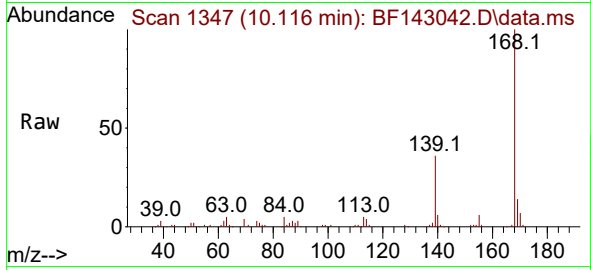




#55
 Dibenzofuran
 Concen: 6.226 ng
 RT: 10.116 min Scan# 1347
 Delta R.T. -0.012 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

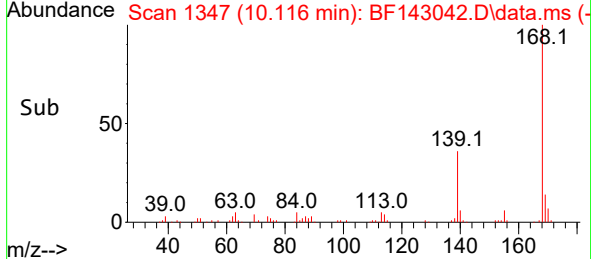
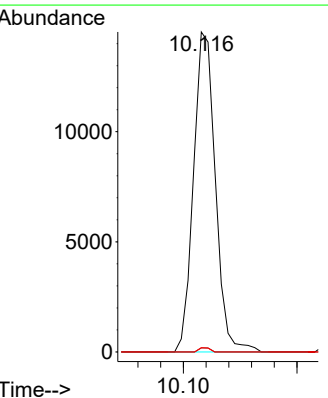
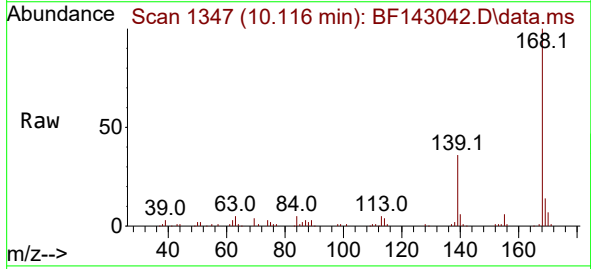
Instrument : BNA_F
 ClientSampleId : TP-58DL

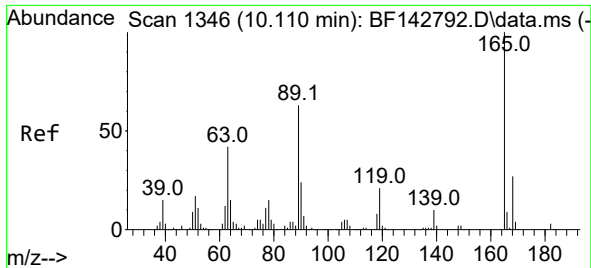
Tgt Ion	Resp	Lower	Upper
168	53957		
139	35.9	30.2	45.4
169	14.2	10.8	16.2



#56
 4-Nitrophenol
 Concen: 17.861 ng
 RT: 10.116 min Scan# 1347
 Delta R.T. 0.082 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

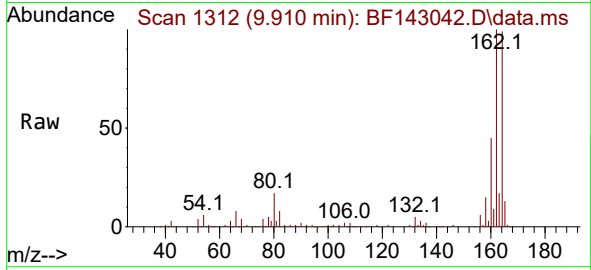
Tgt Ion	Resp	Lower	Upper
139	19426		
139	100		
109	1.2	44.7	84.7#
65	1.4	69.8	109.8#





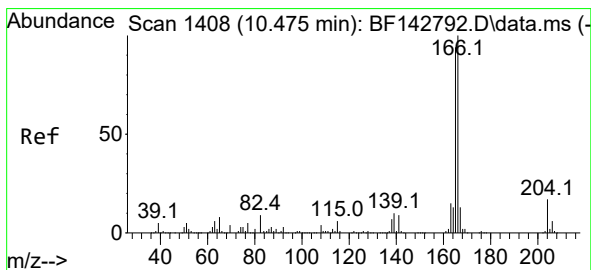
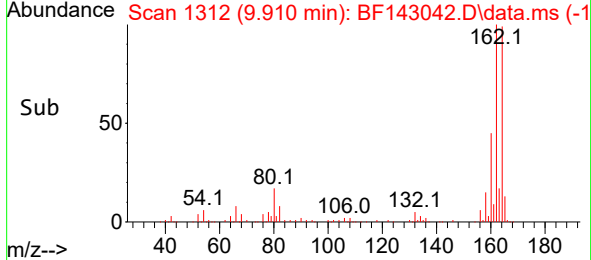
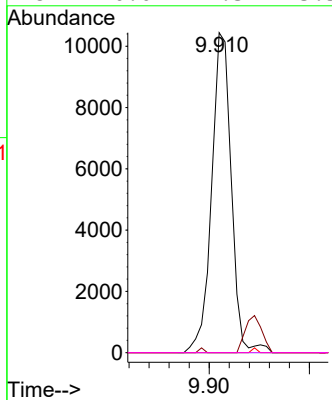
#57
 2,4-Dinitrotoluene
 Concen: 7.414 ng
 RT: 9.910 min Scan# 11
 Delta R.T. -0.200 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

Instrument : BNA_F
 ClientSampleId : TP-58DL



Tgt Ion:165 Resp: 14210

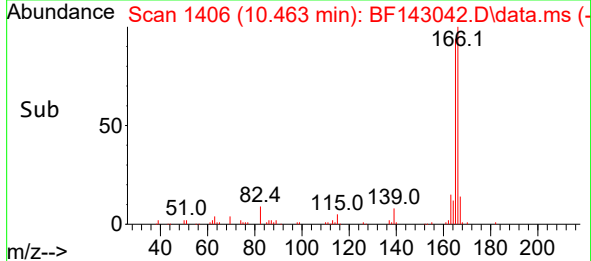
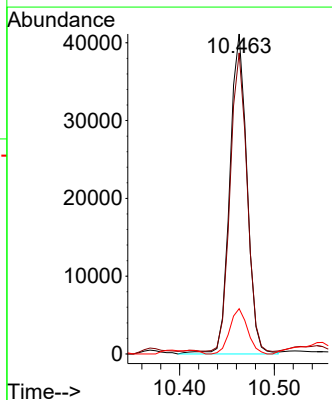
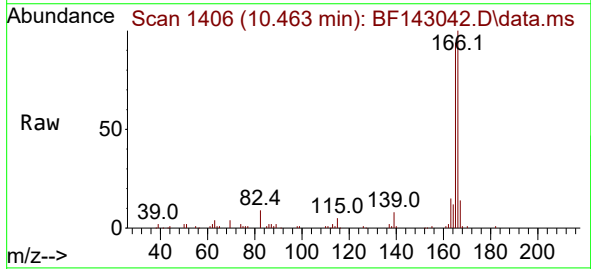
Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.9	50.9#
89	0.0	50.6	75.8#
182	0.0	2.3	3.5#

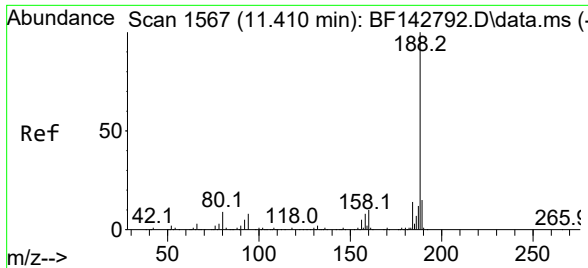


#58
 Fluorene
 Concen: 7.695 ng
 RT: 10.463 min Scan# 1406
 Delta R.T. -0.012 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

Tgt Ion:166 Resp: 52087

Ion	Ratio	Lower	Upper
166	100		
165	94.1	75.2	112.8
167	14.2	10.6	15.8



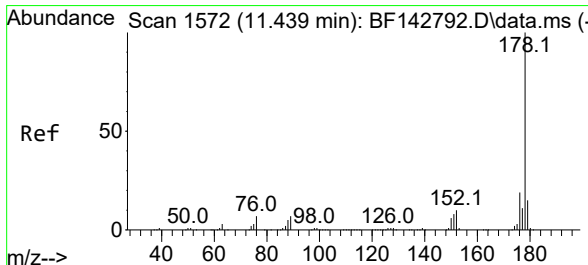
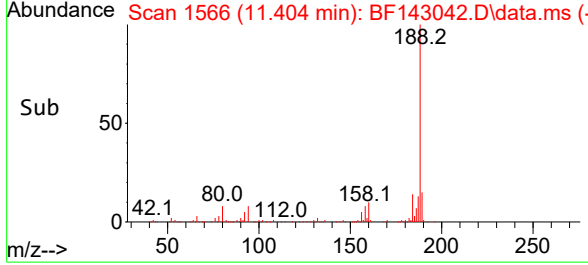
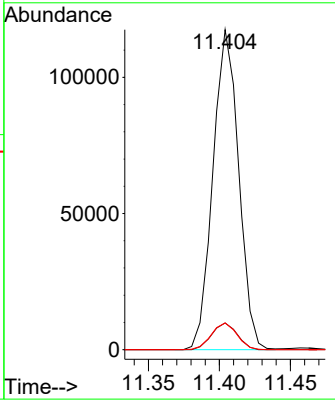
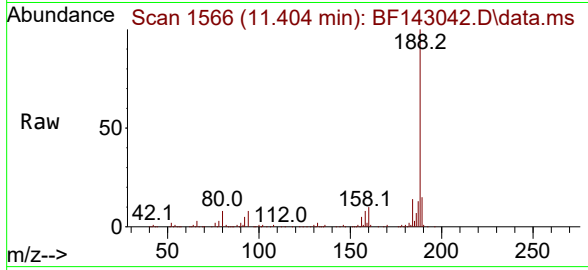


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.404 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

Instrument : BNA_F
 ClientSampleId : TP-58DL

Tgt Ion:188 Resp: 147948

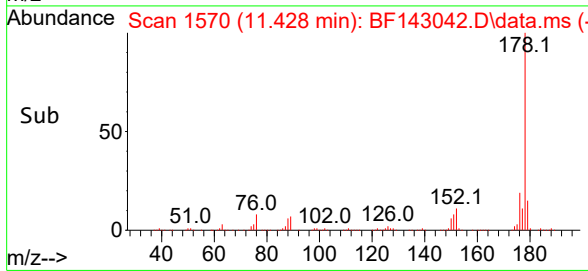
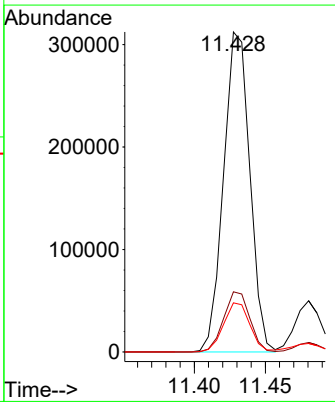
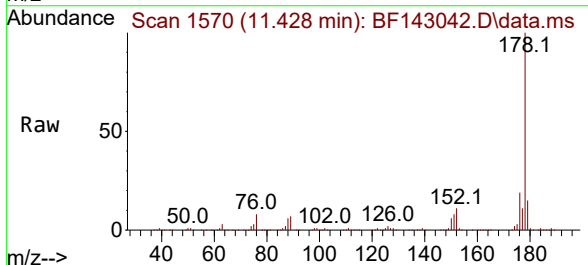
Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.7	10.1
80	8.4	6.9	10.3

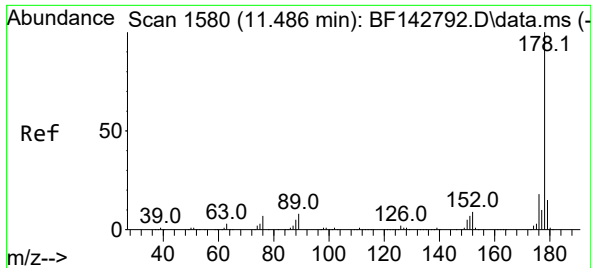


#71
 Phenanthrene
 Concen: 50.173 ng
 RT: 11.428 min Scan# 1570
 Delta R.T. -0.012 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

Tgt Ion:178 Resp: 402101

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.4	12.0	18.0



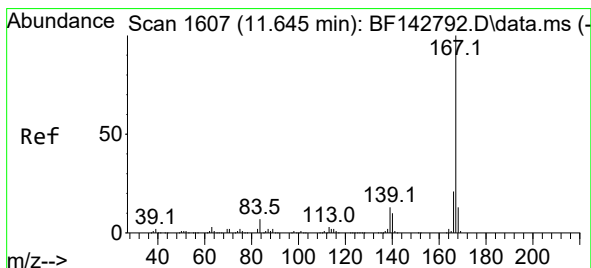
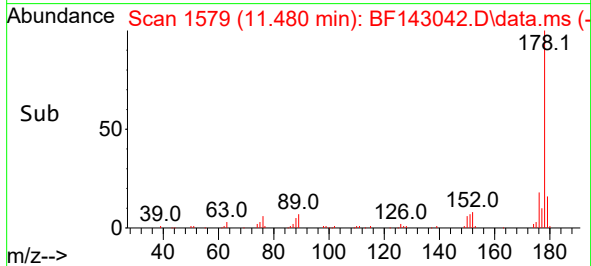
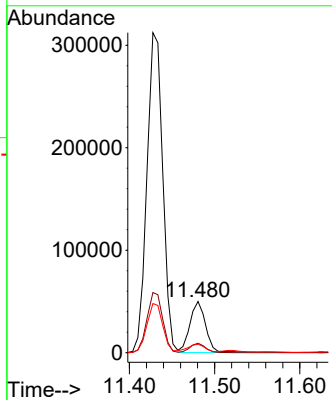
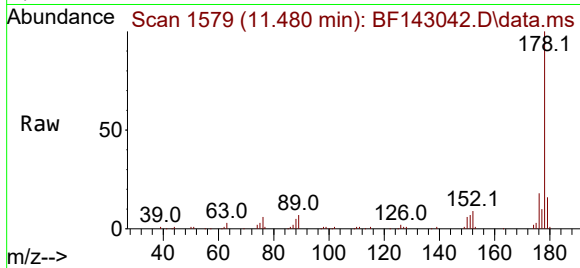


#72
 Anthracene
 Concen: 7.799 ng
 RT: 11.480 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

Instrument :
 BNA_F
 ClientSampleId :
 TP-58DL

Tgt Ion:178 Resp: 64102

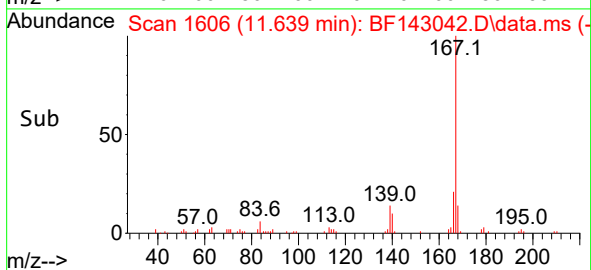
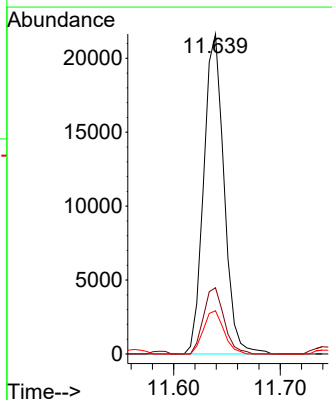
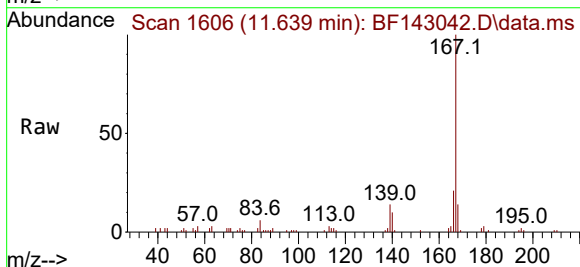
Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	16.5	12.4	18.6

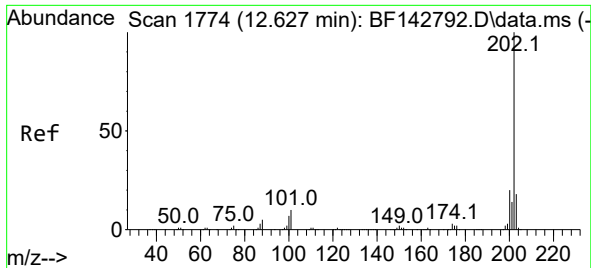


#73
 Carbazole
 Concen: 4.053 ng
 RT: 11.639 min Scan# 1606
 Delta R.T. -0.006 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

Tgt Ion:167 Resp: 28748

Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.0	25.4
139	13.5	10.2	15.2



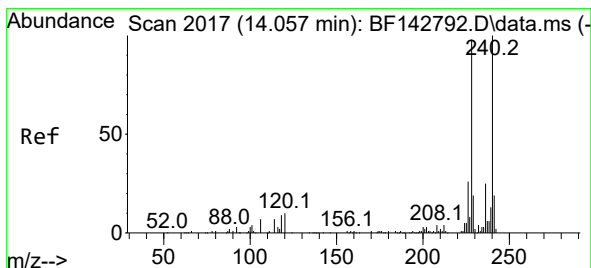
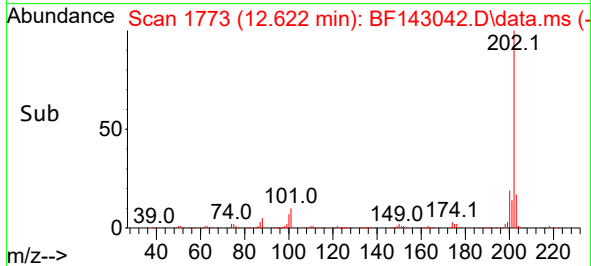
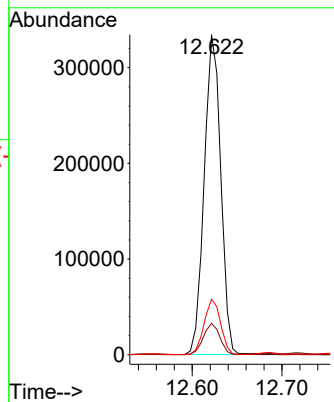
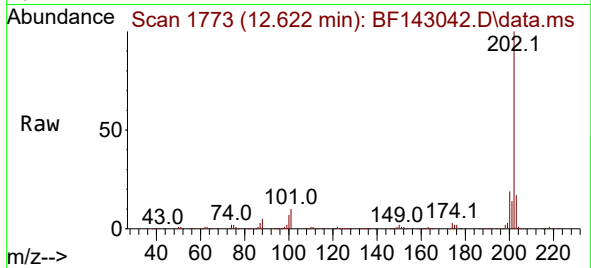


#75
 Fluoranthene
 Concen: 56.489 ng
 RT: 12.622 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

Instrument :
 BNA_F
 ClientSampleId :
 TP-58DL

Tgt Ion: 202 Resp: 429657

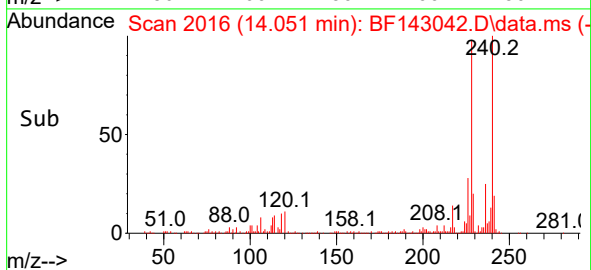
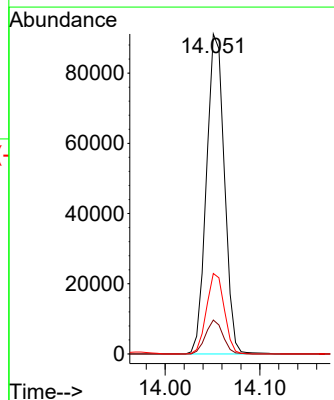
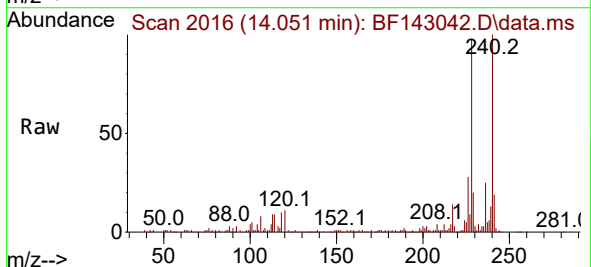
Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	29.7
203	17.3	0.0	37.5

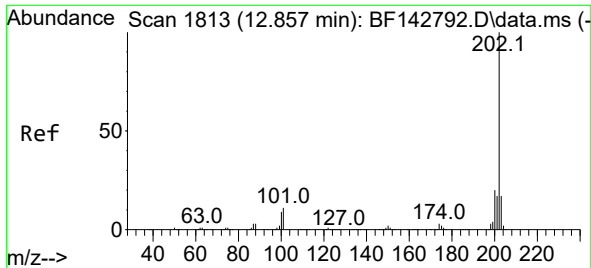


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.051 min Scan# 2016
 Delta R.T. -0.006 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

Tgt Ion: 240 Resp: 119601

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.2	12.2
236	25.2	19.8	29.8

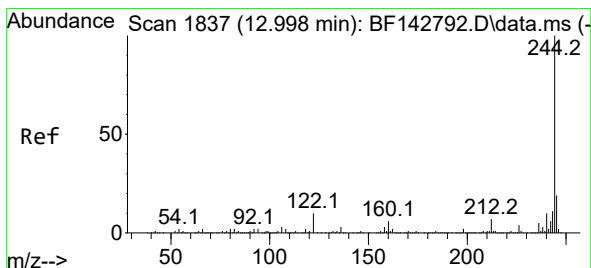
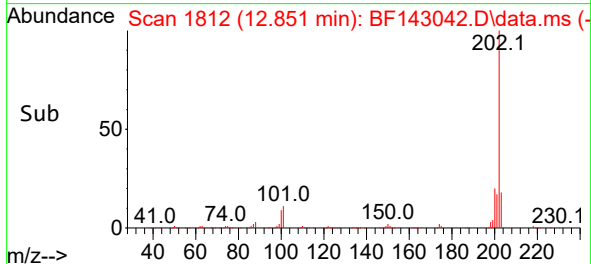
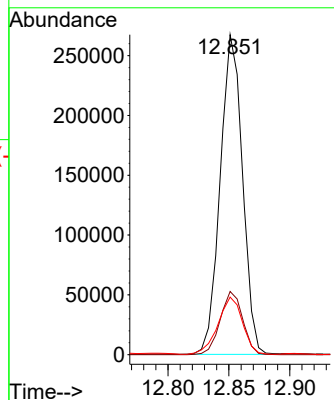
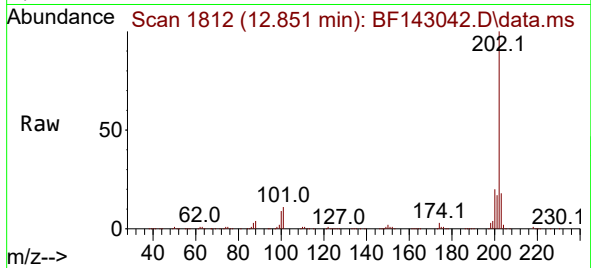




#78
 Pyrene
 Concen: 30.447 ng
 RT: 12.851 min Scan# 1812
 Delta R.T. -0.006 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

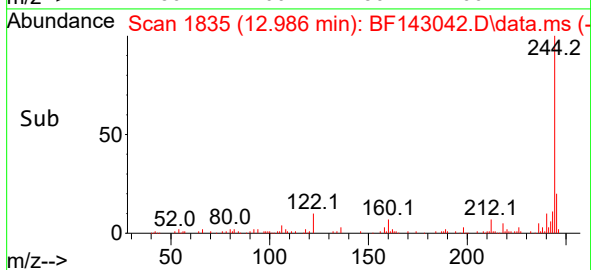
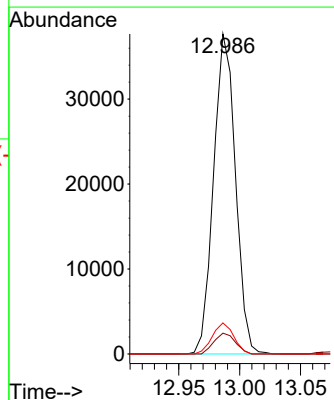
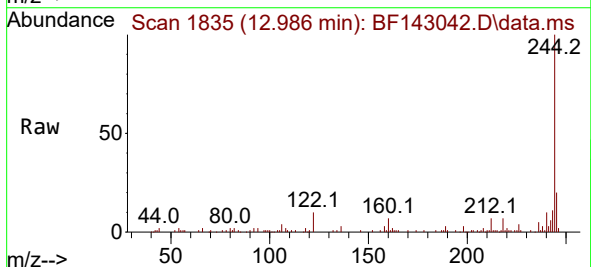
Instrument :
 BNA_F
 ClientSampleId :
 TP-58DL

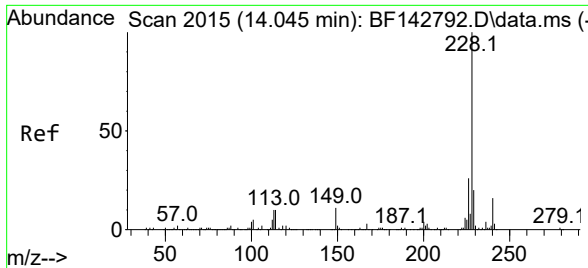
Tgt Ion:202 Resp: 341329
 Ion Ratio Lower Upper
 202 100
 200 19.8 15.7 23.5
 203 18.0 13.8 20.6



#79
 Terphenyl-d14
 Concen: 5.438 ng
 RT: 12.986 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

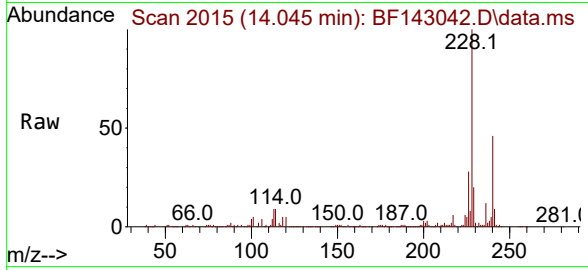
Tgt Ion:244 Resp: 47071
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 9.7 8.2 12.2



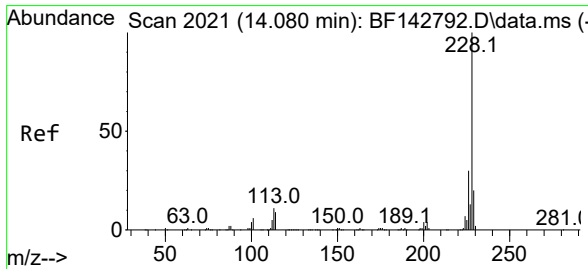
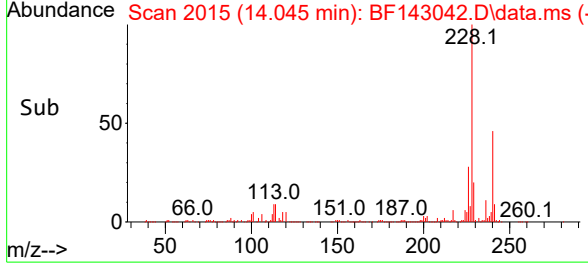
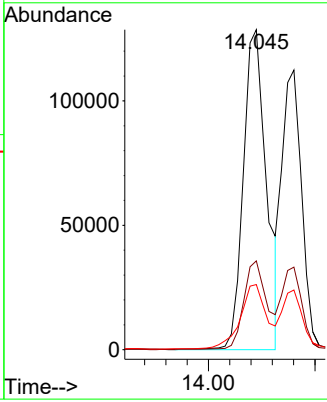


#81
 Benzo(a)anthracene
 Concen: 24.105 ng
 RT: 14.045 min Scan# 2015
 Delta R.T. 0.000 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

Instrument : BNA_F
 ClientSampleId : TP-58DL

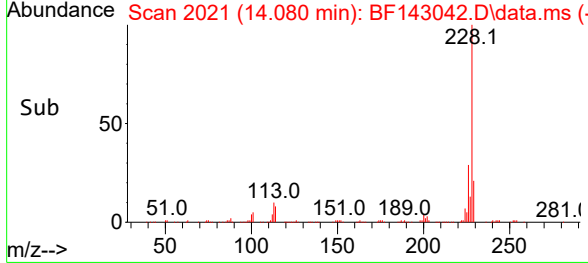
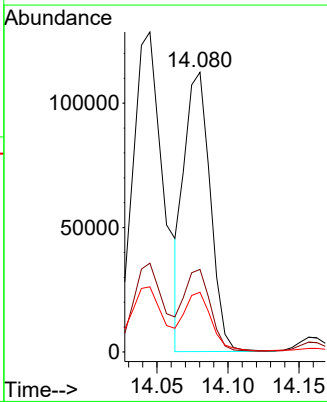
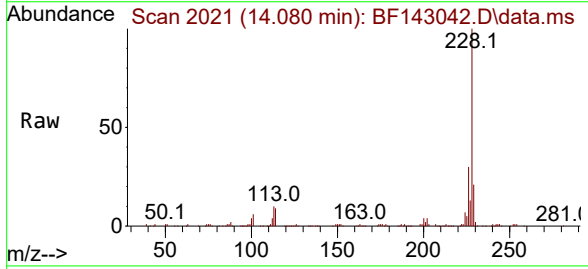


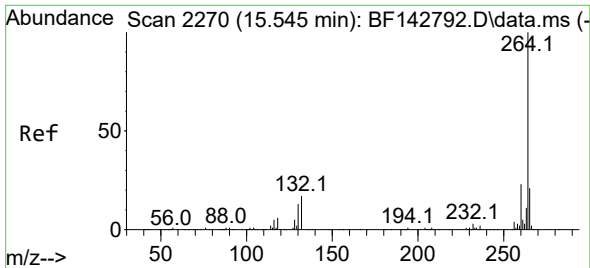
Tgt Ion:228 Resp: 194490
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.2 31.8
 229 20.4 15.6 23.4



#83
 Chrysene
 Concen: 19.958 ng
 RT: 14.080 min Scan# 2021
 Delta R.T. 0.000 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

Tgt Ion:228 Resp: 143686
 Ion Ratio Lower Upper
 228 100
 226 29.5 23.7 35.5
 229 21.3 15.7 23.5



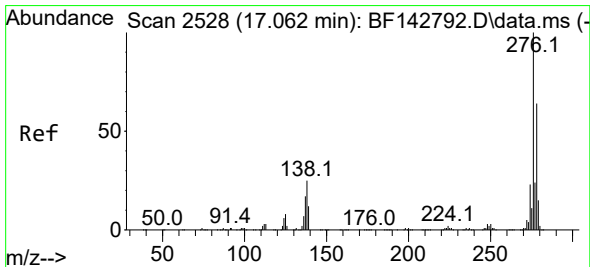
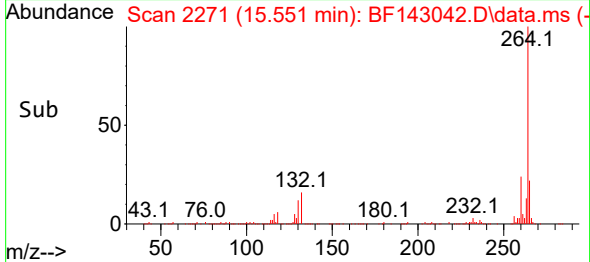
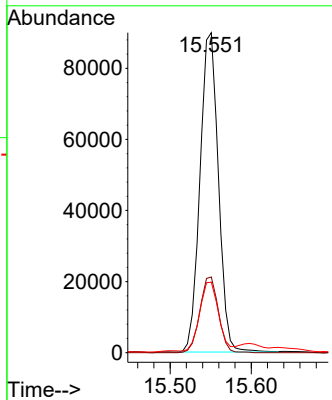
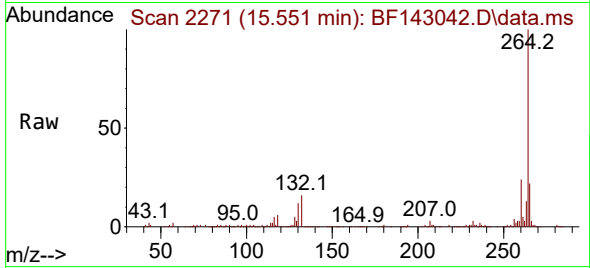


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.551 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

Instrument :
 BNA_F
 ClientSampleId :
 TP-58DL

Tgt Ion:264 Resp: 141551

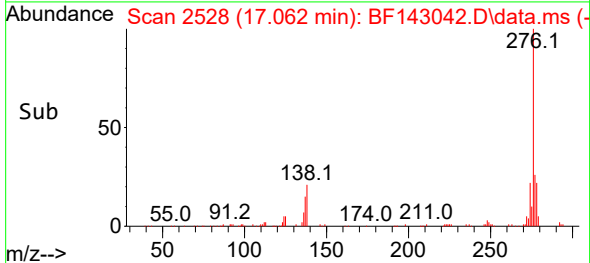
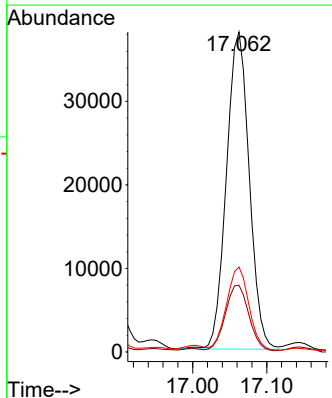
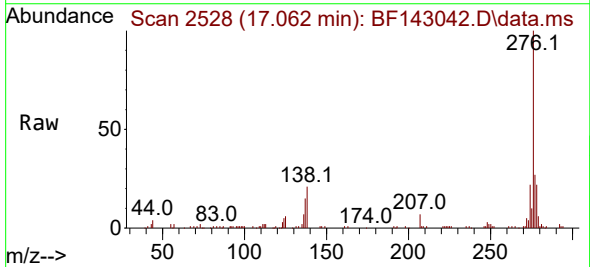
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.1	27.1
265	22.1	16.6	25.0

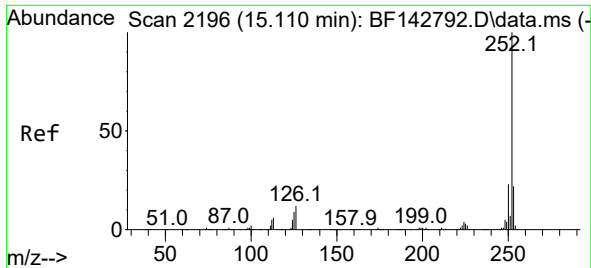


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.540 ng
 RT: 17.062 min Scan# 2528
 Delta R.T. 0.000 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

Tgt Ion:276 Resp: 81300

Ion	Ratio	Lower	Upper
276	100		
138	21.7	20.2	30.4
277	25.5	19.8	29.6



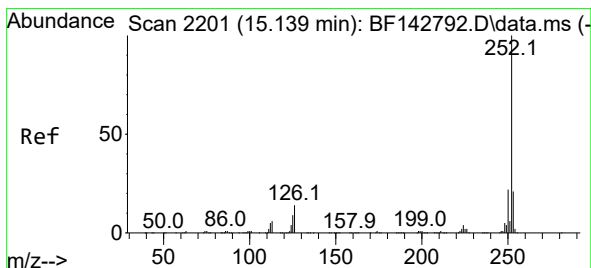
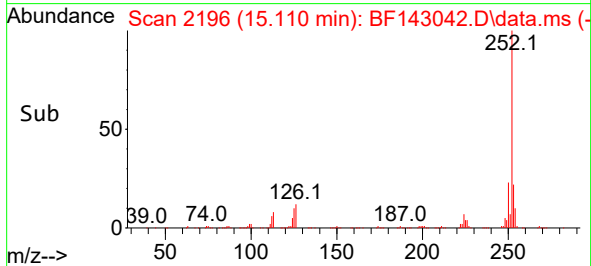
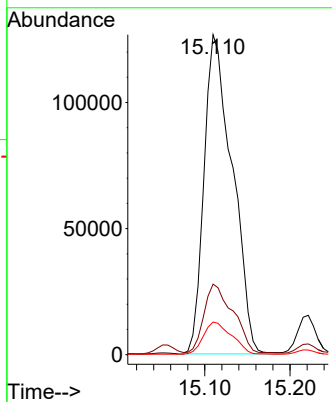
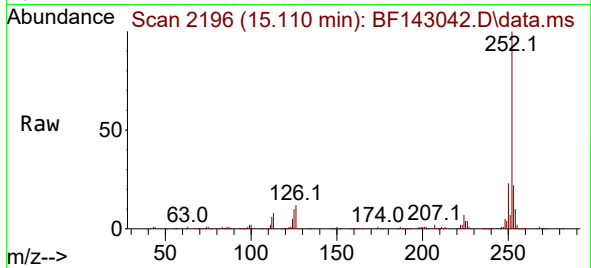


#88
 Benzo(b)fluoranthene
 Concen: 35.596 ng
 RT: 15.110 min Scan# 2196
 Delta R.T. 0.000 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

Instrument :
 BNA_F
 ClientSampleId :
 TP-58DL

Tgt Ion:252 Resp: 291558

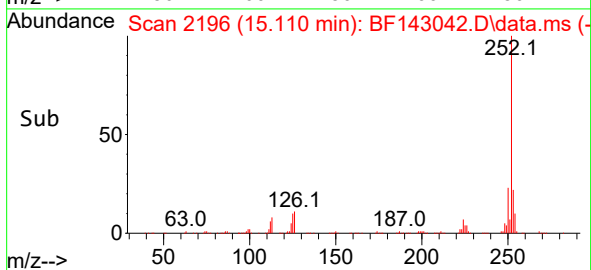
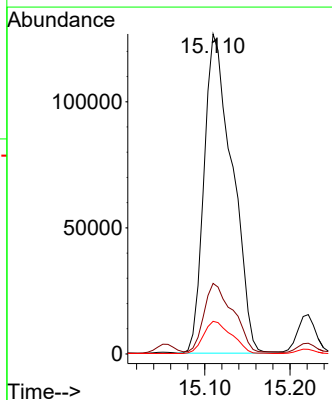
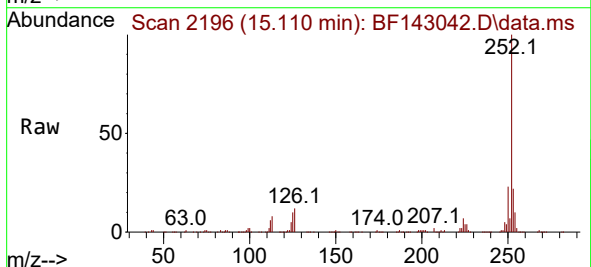
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.2	7.4	11.0

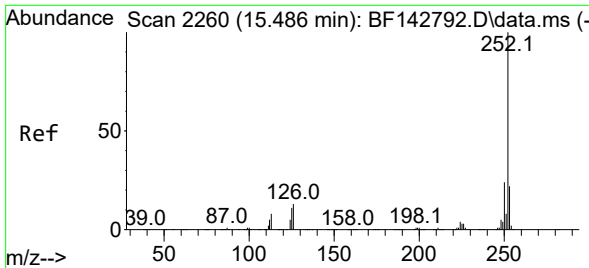


#89
 Benzo(k)fluoranthene
 Concen: 38.047 ng
 RT: 15.110 min Scan# 2196
 Delta R.T. -0.029 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

Tgt Ion:252 Resp: 291558

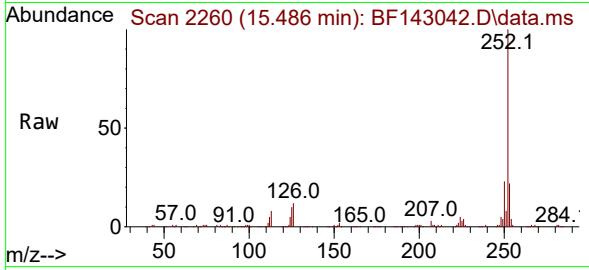
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	10.2	7.4	11.2



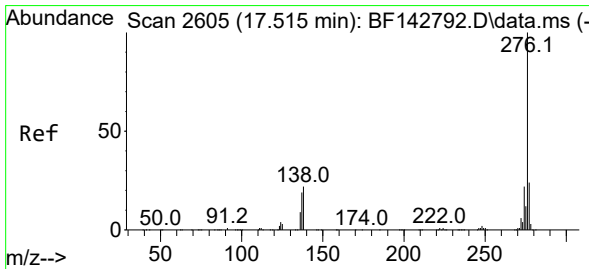
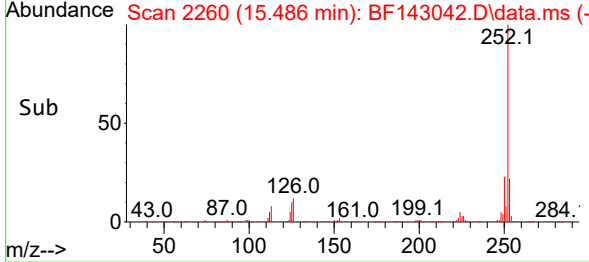
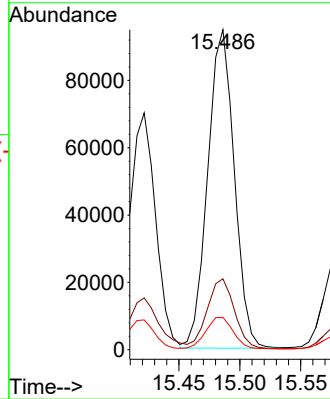


#90
 Benzo(a)pyrene
 Concen: 18.161 ng
 RT: 15.486 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

Instrument :
 BNA_F
 ClientSampleId :
 TP-58DL



Tgt Ion:252 Resp: 143707
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.5 26.3
 125 10.1 8.6 12.8



#92
 Benzo(g,h,i)perylene
 Concen: 8.027 ng
 RT: 17.521 min Scan# 2606
 Delta R.T. 0.006 min
 Lab File: BF143042.D
 Acq: 08 Jul 2025 19:41

Tgt Ion:276 Resp: 70121
 Ion Ratio Lower Upper
 276 100
 277 24.3 18.8 28.2
 138 21.8 17.6 26.4

