

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070825\
 Data File : BF143046.D
 Acq On : 08 Jul 2025 21:42
 Operator : RC/JU
 Sample : Q2514-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-96

Quant Time: Jul 09 01:42:40 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)

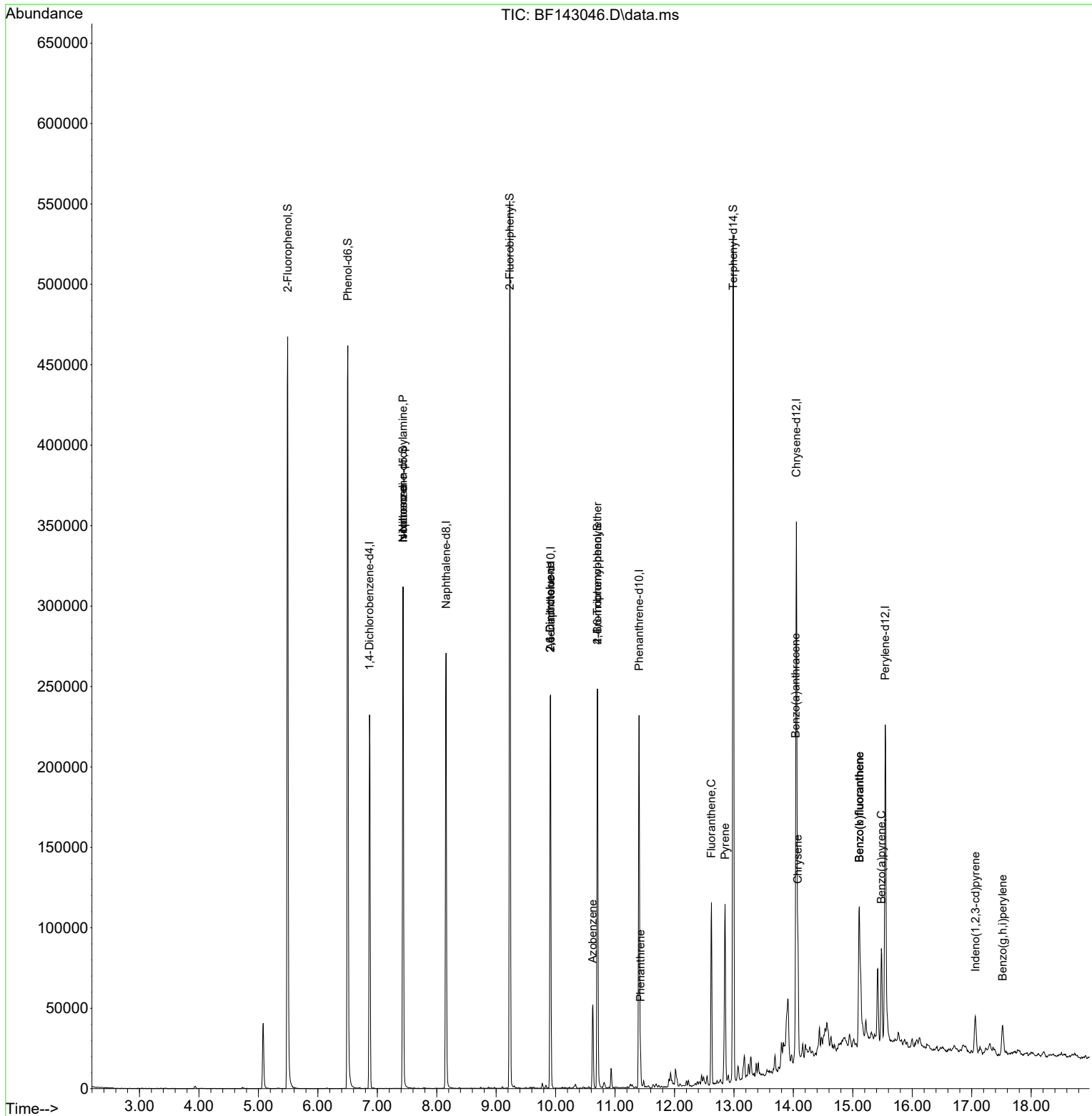
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	51513	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	178914	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	77176	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	119858	20.000	ng	0.00
76) Chrysene-d12	14.051	240	136149	20.000	ng	0.00
86) Perylene-d12	15.545	264	112713	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	192791	62.311	ng	0.00
7) Phenol-d6	6.504	99	222670	61.000	ng	0.00
23) Nitrobenzene-d5	7.434	82	131484	40.310	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	43670	54.987	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	251010	42.726	ng	-0.02
79) Terphenyl-d14	12.986	244	259977	26.384	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	17212	8.107	ng	# 75
25) Isophorone	7.434	82	131483	25.128	ng	# 62
51) 2,6-Dinitrotoluene	9.910	165	9866	8.993	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	9866	6.770	ng	# 26
63) Azobenzene	10.622	77	12832	2.931	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	2923	2.143	ng	# 1
71) Phenanthrene	11.427	178	13260	2.042	ng	98
75) Fluoranthene	12.621	202	66995	10.872	ng	98
78) Pyrene	12.851	202	66132	5.182	ng	98
81) Benzo(a)anthracene	14.039	228	41851	4.557	ng	98
83) Chrysene	14.074	228	42152	5.143	ng	98
87) Indeno(1,2,3-cd)pyrene	17.062	276	17557	2.045	ng	95
88) Benzo(b)fluoranthene	15.110	252	73448	11.261	ng	98
89) Benzo(k)fluoranthene	15.110	252	73448	12.037	ng	97
90) Benzo(a)pyrene	15.480	252	34425	5.464	ng	98
92) Benzo(g,h,i)perylene	17.521	276	17304	2.488	ng	99

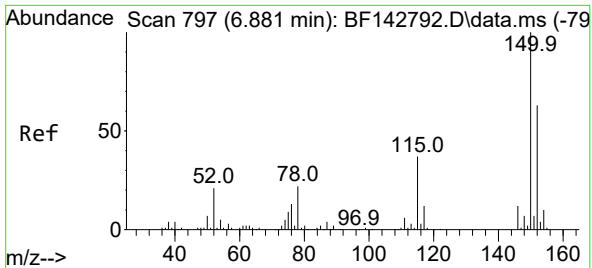
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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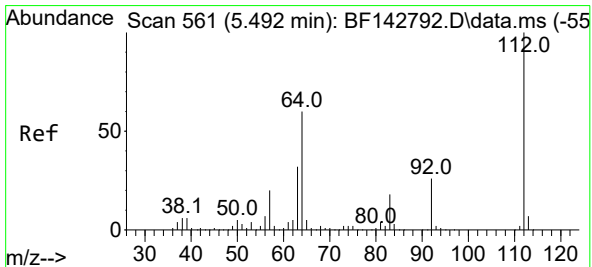
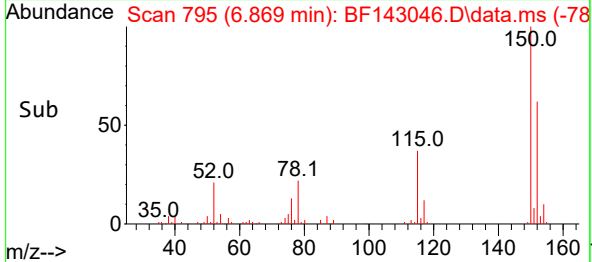
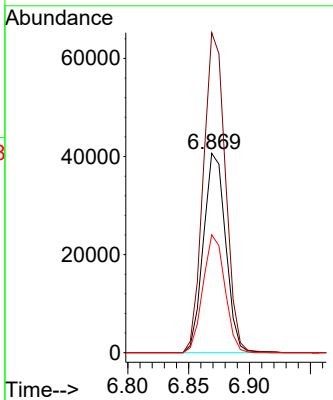
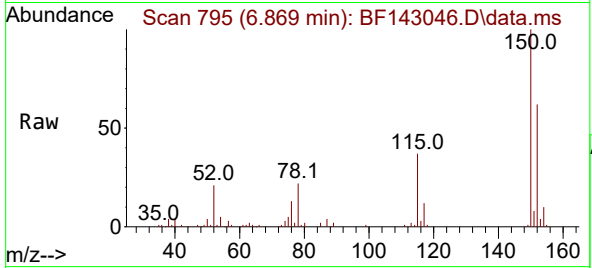




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 795
 Delta R.T. -0.012 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

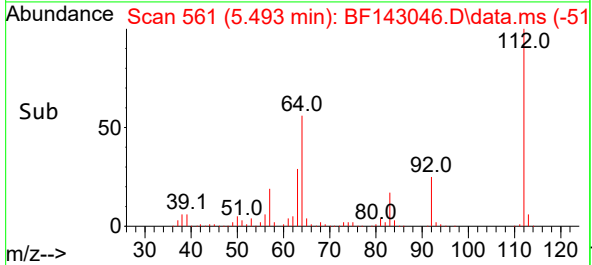
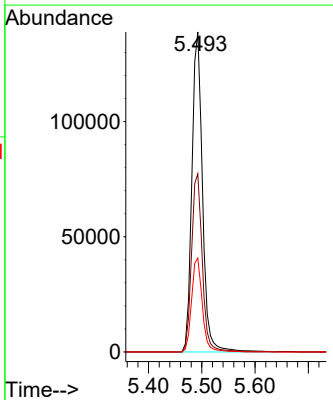
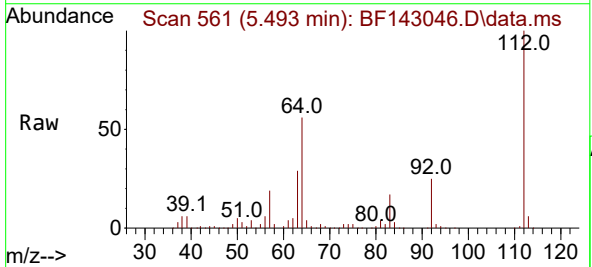
Instrument :
 BNA_F
 ClientSampleId :
 TP-96

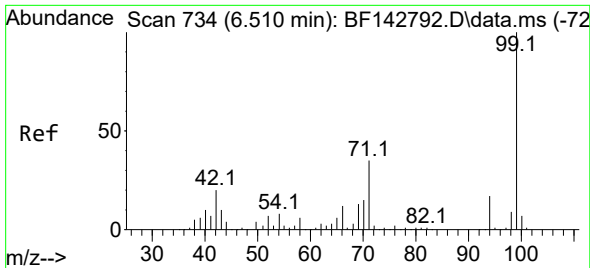
Tgt Ion:152 Resp: 51513
 Ion Ratio Lower Upper
 152 100
 150 160.5 127.2 190.8
 115 59.1 46.6 69.8



#5
 2-Fluorophenol
 Concen: 62.311 ng
 RT: 5.493 min Scan# 561
 Delta R.T. 0.001 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

Tgt Ion:112 Resp: 192791
 Ion Ratio Lower Upper
 112 100
 64 55.7 48.2 72.2
 63 29.3 25.7 38.5

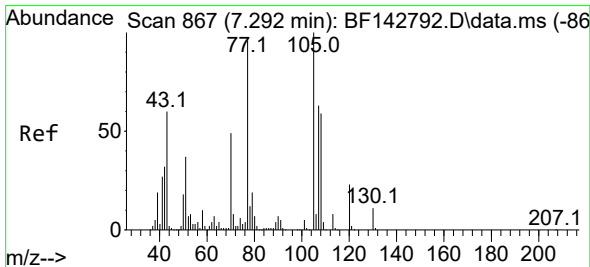
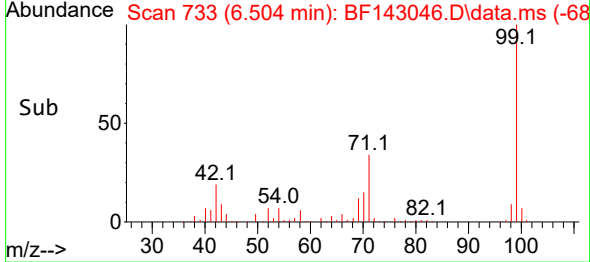
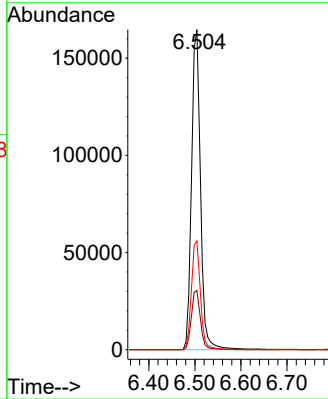
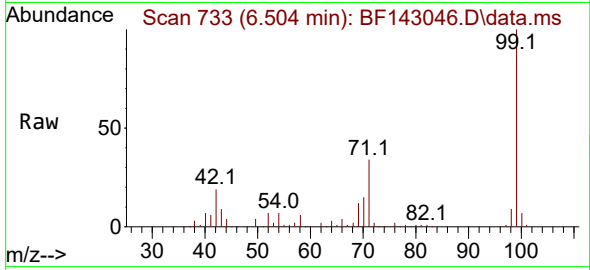




#7
 Phenol-d6
 Concen: 61.000 ng
 RT: 6.504 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

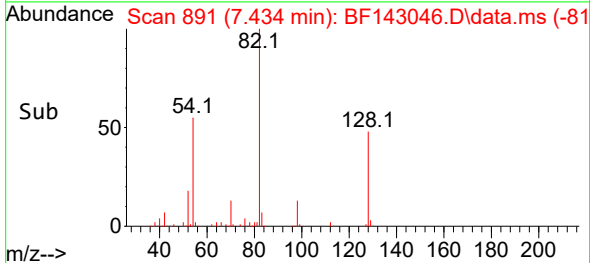
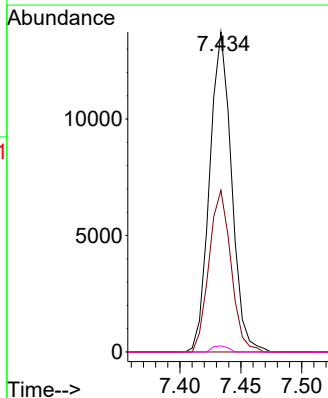
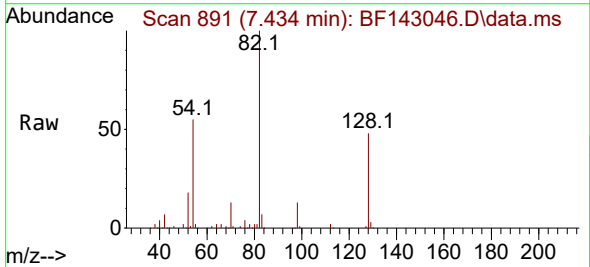
Instrument :
 BNA_F
 ClientSampleId :
 TP-96

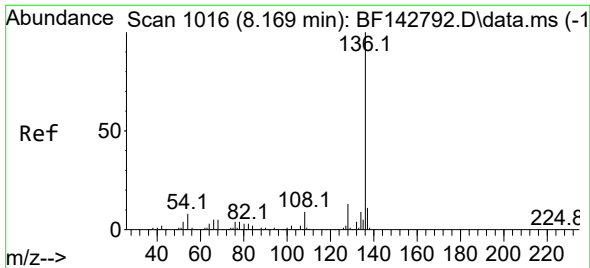
Tgt Ion: 99 Resp: 222670
 Ion Ratio Lower Upper
 99 100
 42 18.5 15.9 23.9
 71 34.0 27.8 41.8



#19
 n-Nitroso-di-n-propylamine
 Concen: 8.107 ng
 RT: 7.434 min Scan# 891
 Delta R.T. 0.141 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

Tgt Ion: 70 Resp: 17212
 Ion Ratio Lower Upper
 70 100
 42 50.5 52.1 78.1#
 101 0.0 8.2 12.2#
 130 1.9 18.2 27.2#



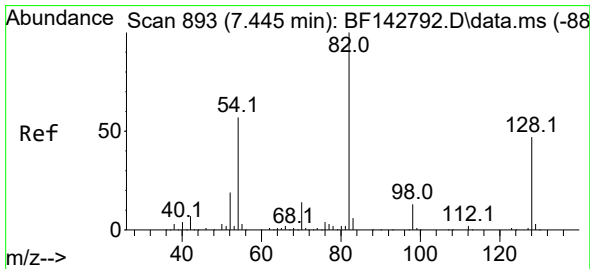
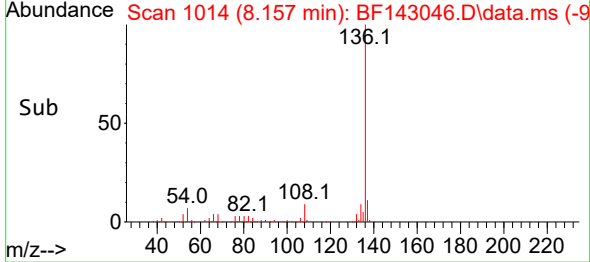
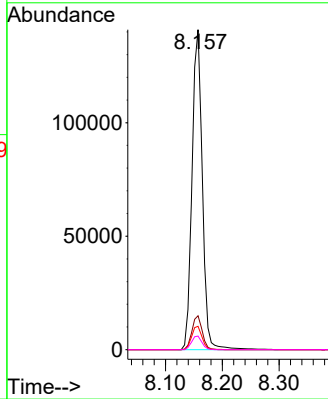
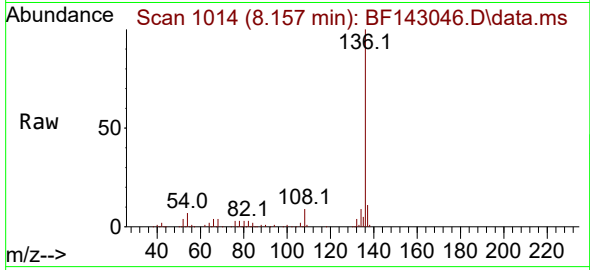


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.157 min Scan# 10
 Delta R.T. -0.012 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-96

Tgt Ion:136 Resp: 178914

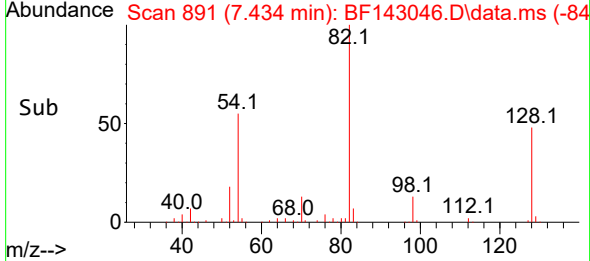
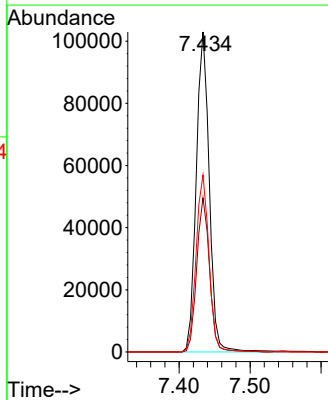
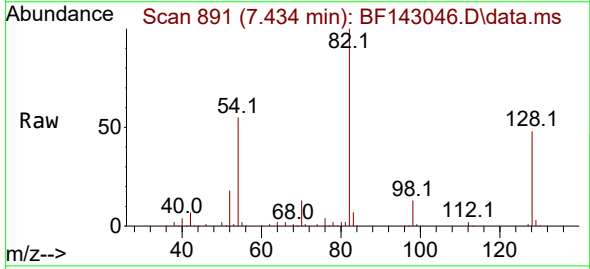
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	7.3	6.3	9.5
68	4.2	3.7	5.5

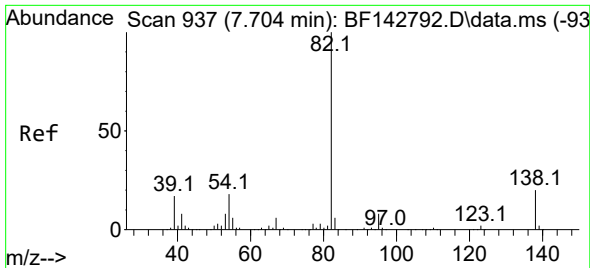


#23
 Nitrobenzene-d5
 Concen: 40.310 ng
 RT: 7.434 min Scan# 891
 Delta R.T. -0.011 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

Tgt Ion: 82 Resp: 131484

Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.7	56.5
54	55.3	45.7	68.5



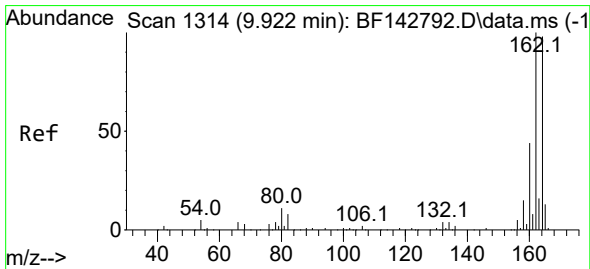
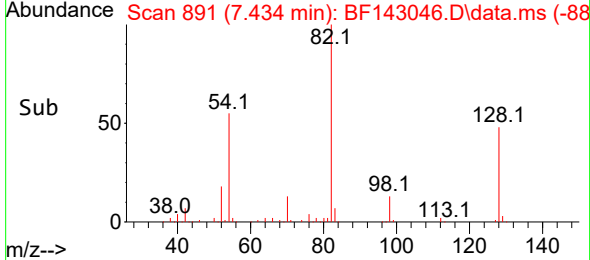
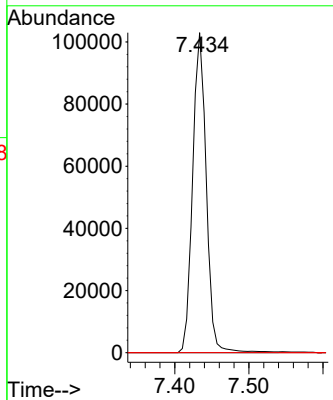
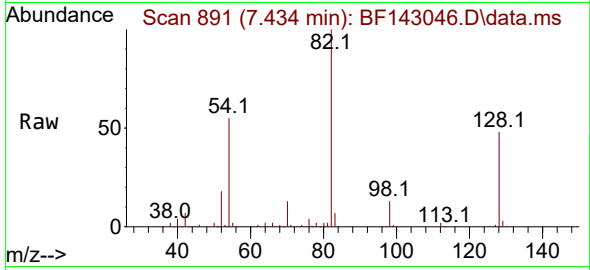


#25
 Isophorone
 Concen: 25.128 ng
 RT: 7.434 min Scan# 891
 Delta R.T. -0.271 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

Instrument : BNA_F
 ClientSampleId : TP-96

Tgt Ion: 82 Resp: 131483

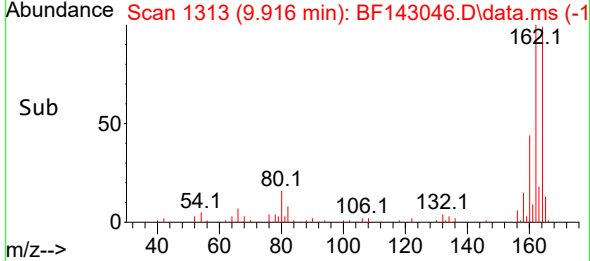
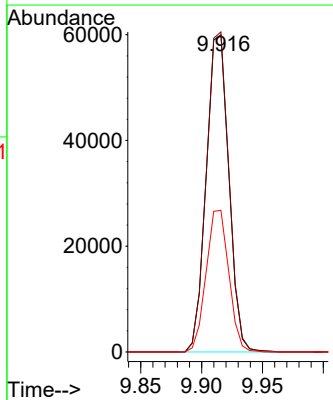
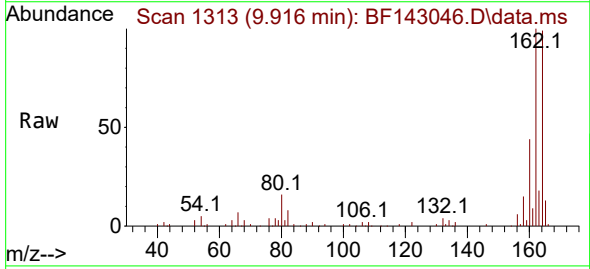
Ion	Ratio	Lower	Upper
82	100		
95	0.0	6.2	9.2#
138	0.0	16.2	24.4#

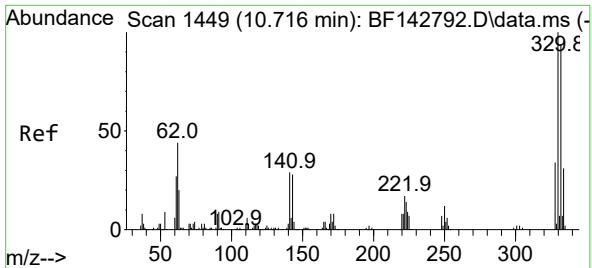


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.916 min Scan# 1313
 Delta R.T. -0.006 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

Tgt Ion: 164 Resp: 77176

Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.8	122.8
160	44.6	36.0	54.0



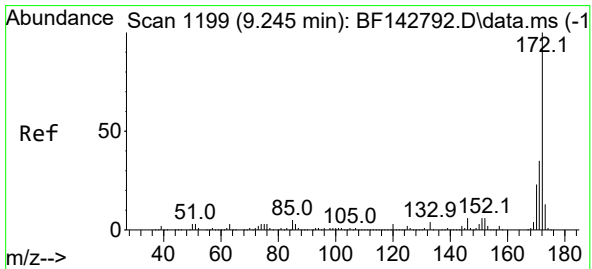
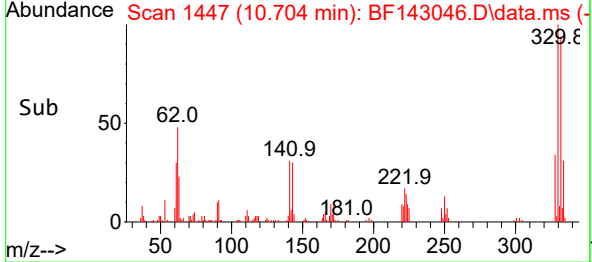
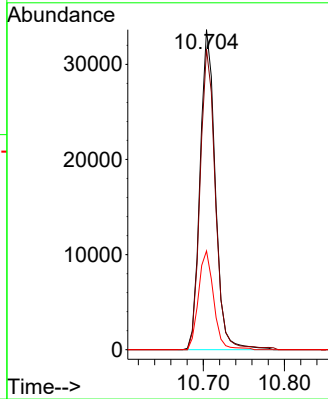
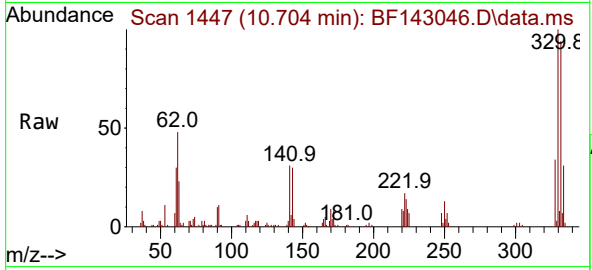


#42
 2,4,6-Tribromophenol
 Concen: 54.987 ng
 RT: 10.704 min Scan# 1447
 Delta R.T. -0.012 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

Instrument :
 BNA_F
 Client Sample Id :
 TP-96

Tgt Ion: 330 Resp: 43670

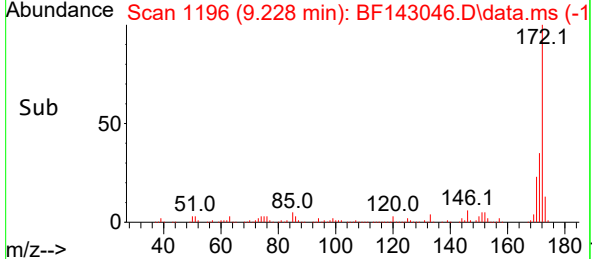
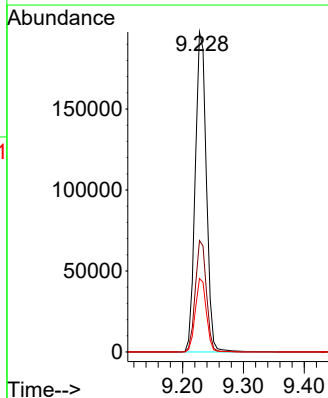
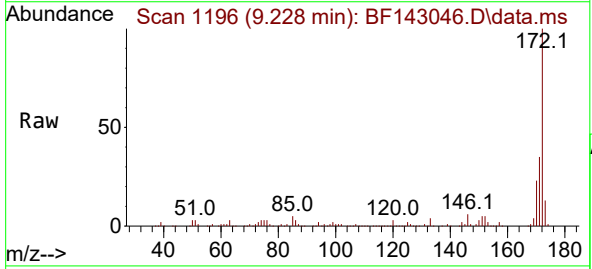
Ion	Ratio	Lower	Upper
330	100		
332	94.9	75.0	112.6
141	30.9	25.3	37.9

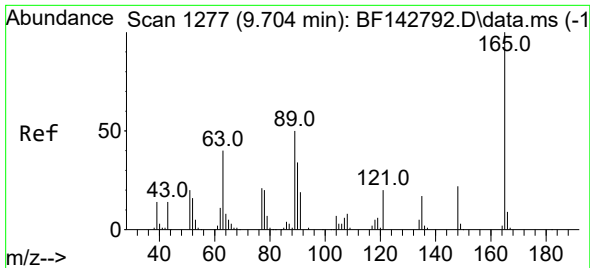


#45
 2-Fluorobiphenyl
 Concen: 42.726 ng
 RT: 9.228 min Scan# 1196
 Delta R.T. -0.017 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

Tgt Ion: 172 Resp: 251010

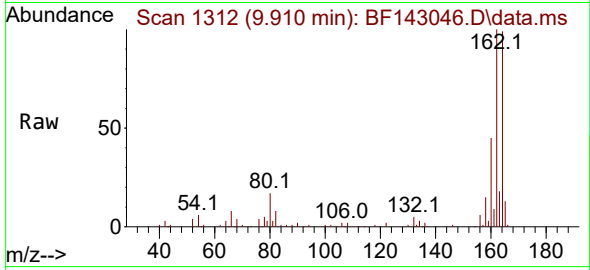
Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.2	42.4
170	23.0	18.5	27.7



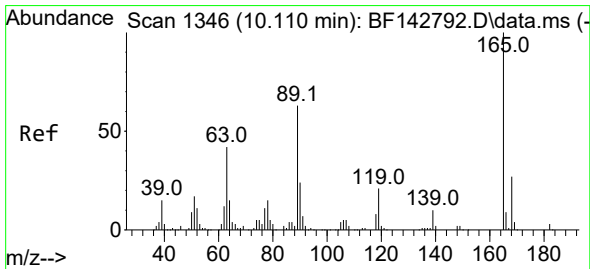
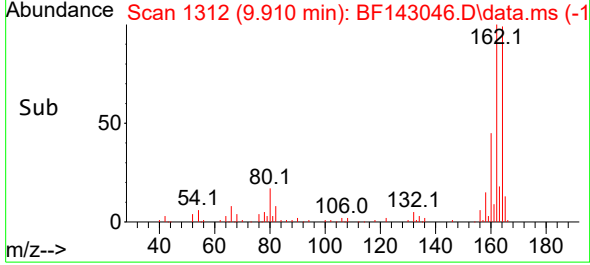
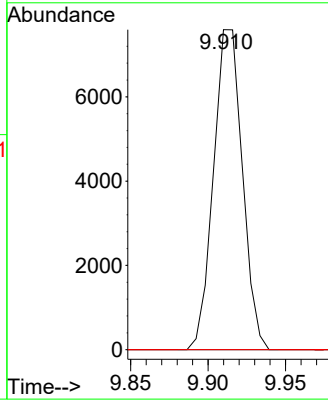


#51
 2,6-Dinitrotoluene
 Concen: 8.993 ng
 RT: 9.910 min Scan# 11
 Delta R.T. 0.206 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-96

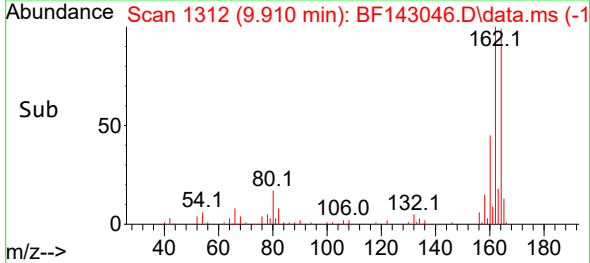
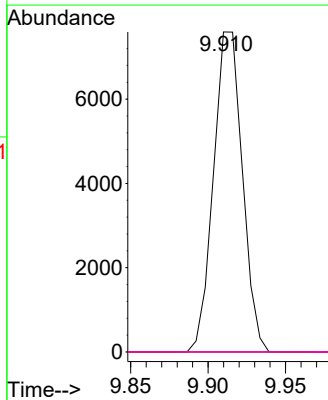
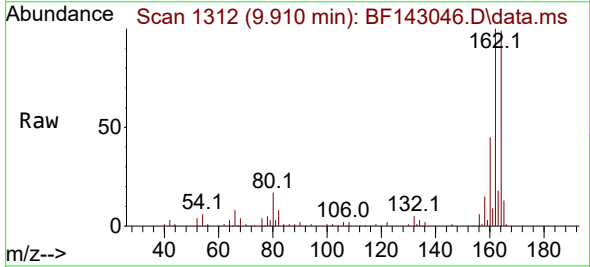


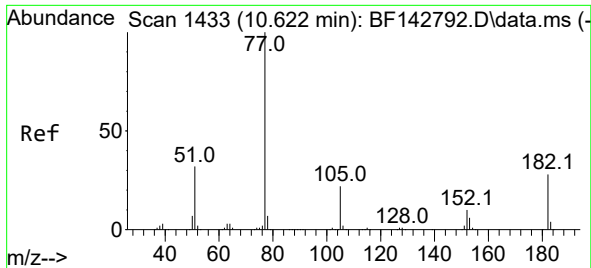
Tgt Ion:165 Resp: 9866
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.2 66.4#
 89 0.0 39.8 59.8#



#57
 2,4-Dinitrotoluene
 Concen: 6.770 ng
 RT: 9.910 min Scan# 1312
 Delta R.T. -0.200 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

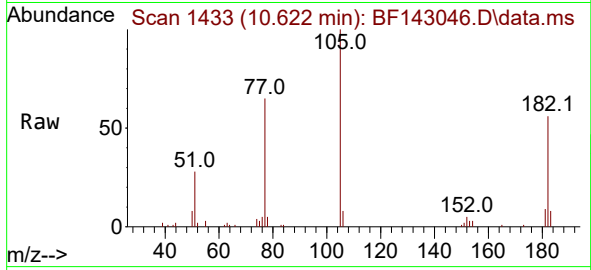
Tgt Ion:165 Resp: 9866
 Ion Ratio Lower Upper
 165 100
 63 0.0 33.9 50.9#
 89 0.0 50.6 75.8#
 182 0.0 2.3 3.5#





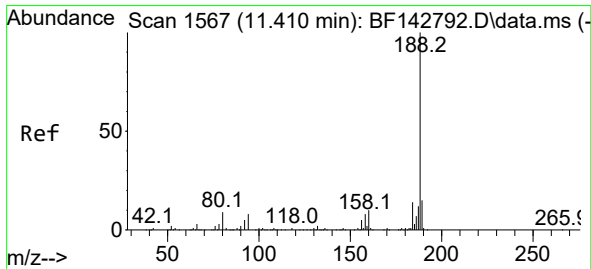
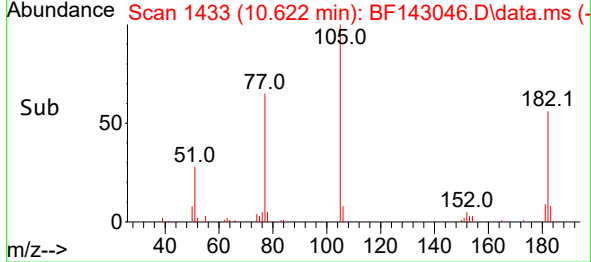
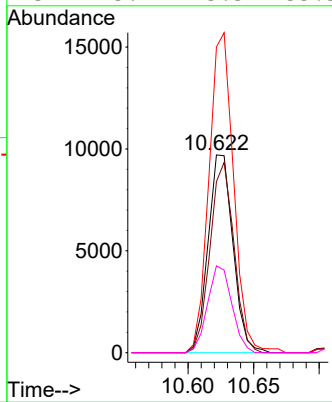
#63
 Azobenzene
 Concen: 2.931 ng
 RT: 10.622 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

Instrument : BNA_F
 ClientSampleId : TP-96

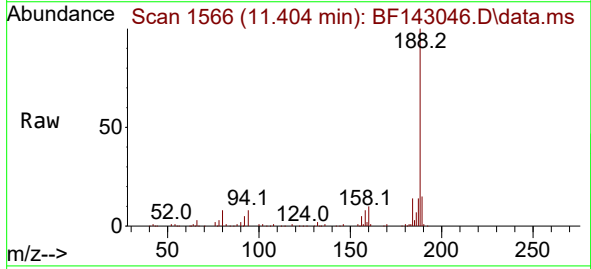


Tgt Ion: 77 Resp: 12832

Ion	Ratio	Lower	Upper
77	100		
182	86.4	7.7	47.7#
105	154.5	1.9	41.9#
51	43.9	13.3	53.3

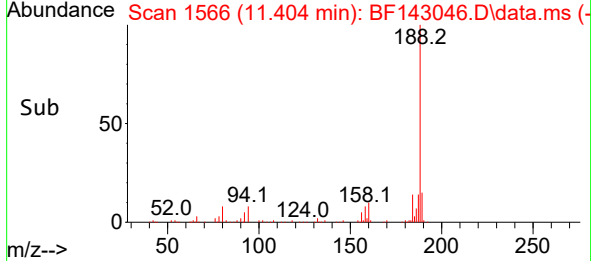
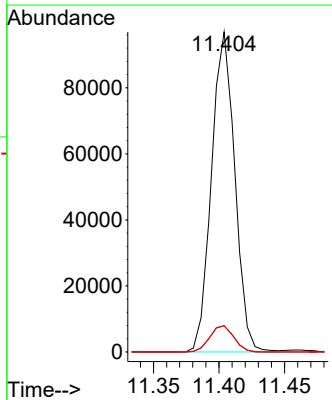


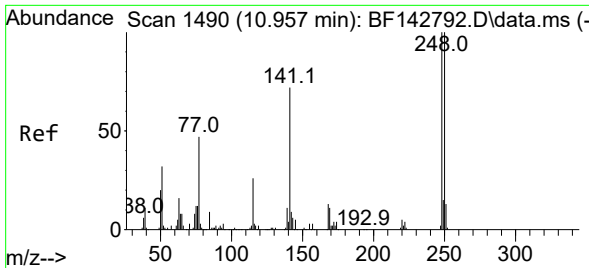
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.404 min Scan# 1566
 Delta R.T. -0.006 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42



Tgt Ion: 188 Resp: 119858

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.7	10.1
80	8.2	6.9	10.3



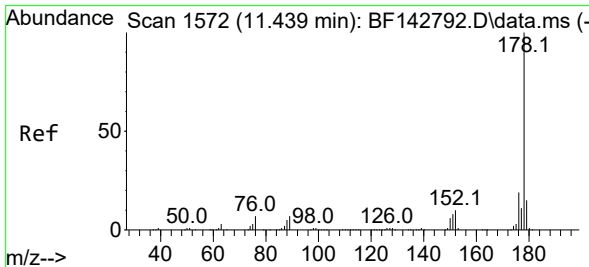
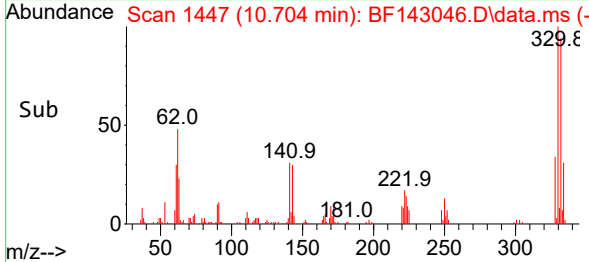
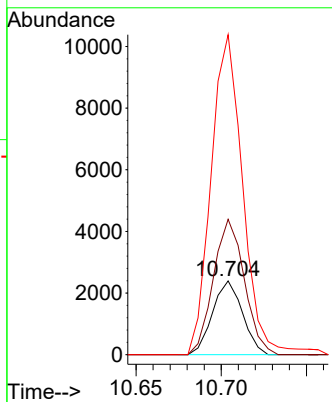
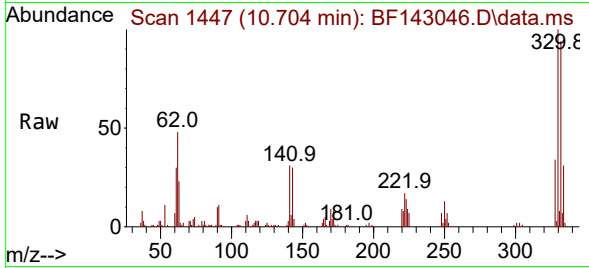


#67
 4-Bromophenyl-phenylether
 Concen: 2.143 ng
 RT: 10.704 min Scan# 14
 Delta R.T. -0.253 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-96

Tgt Ion:248 Resp: 2923

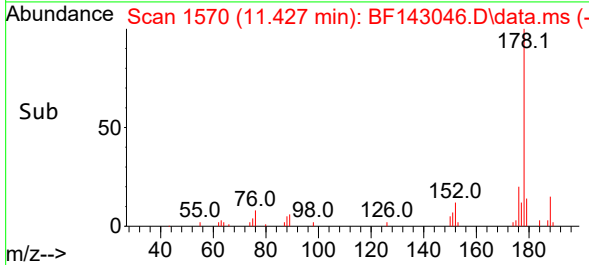
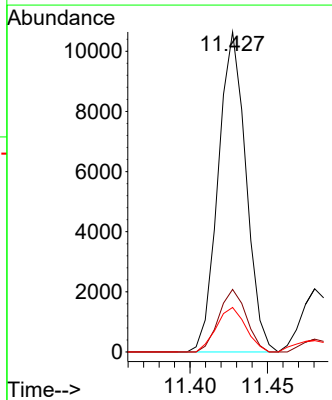
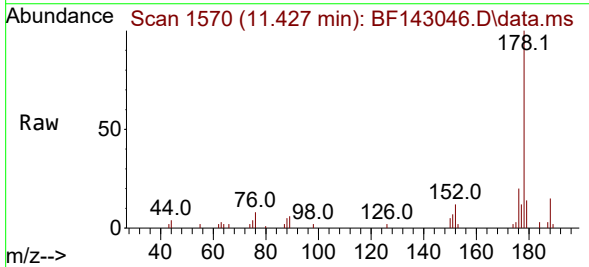
Ion	Ratio	Lower	Upper
248	100		
250	183.6	79.8	119.8#
141	434.2	57.8	86.6#

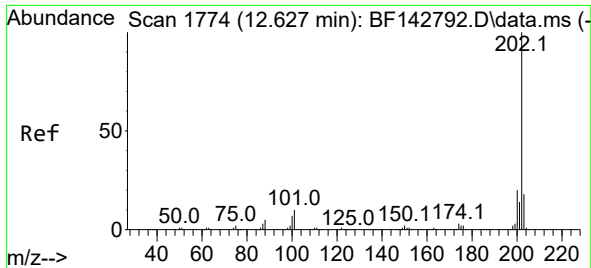


#71
 Phenanthrene
 Concen: 2.042 ng
 RT: 11.427 min Scan# 1570
 Delta R.T. -0.012 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

Tgt Ion:178 Resp: 13260

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.1	22.7
179	13.9	12.0	18.0

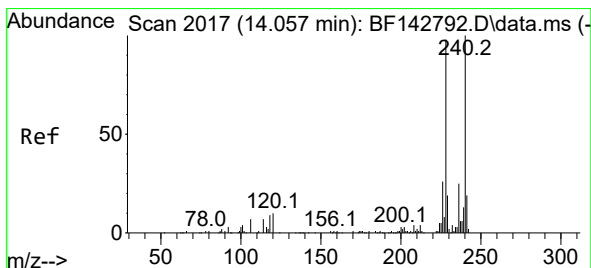
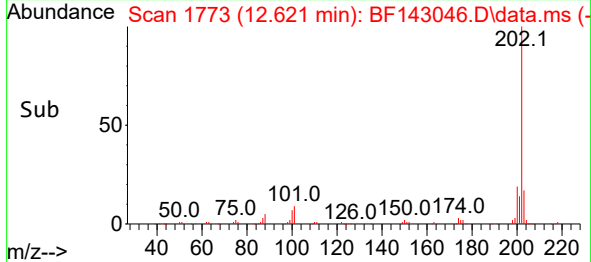
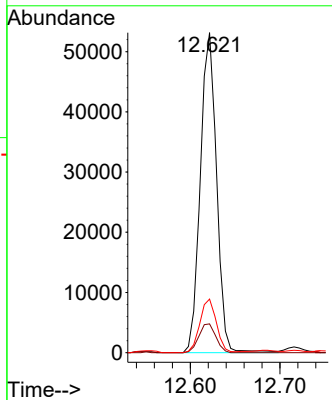
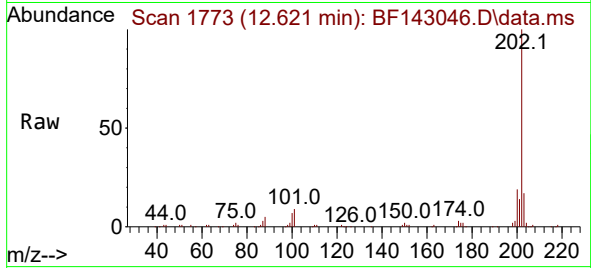




#75
 Fluoranthene
 Concen: 10.872 ng
 RT: 12.621 min Scan# 1773
 Delta R.T. -0.006 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

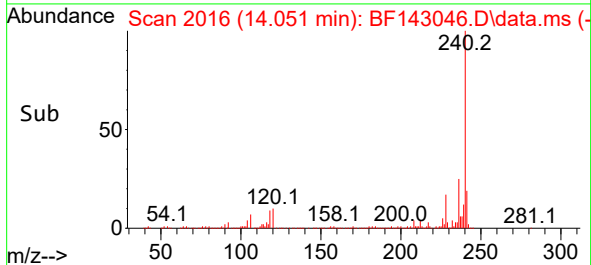
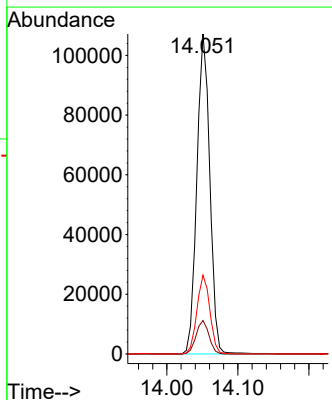
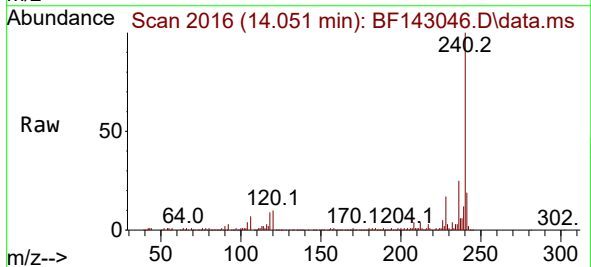
Instrument :
 BNA_F
 Client Sample Id :
 TP-96

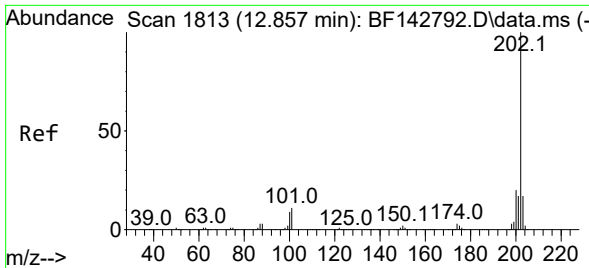
Tgt Ion	Resp	Lower	Upper
202	66995	100	100
101	9.0	0.0	29.7
203	16.7	0.0	37.5



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.051 min Scan# 2016
 Delta R.T. -0.006 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

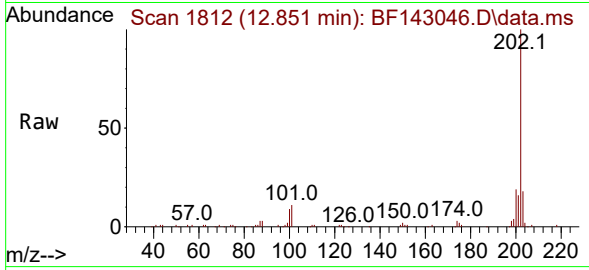
Tgt Ion	Resp	Lower	Upper
240	136149	100	100
120	10.5	8.2	12.2
236	24.6	19.8	29.8





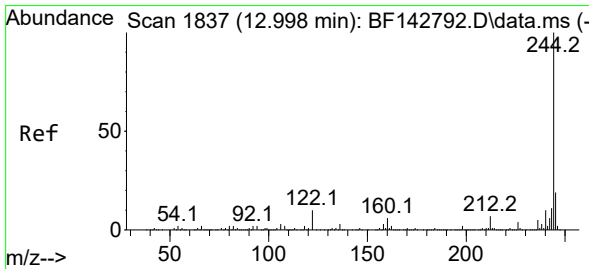
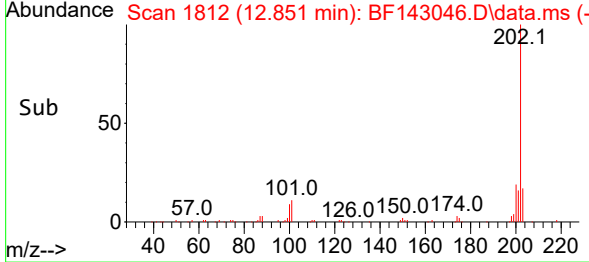
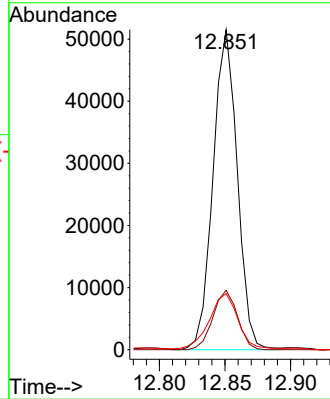
#78
 Pyrene
 Concen: 5.182 ng
 RT: 12.851 min Scan# 1812
 Delta R.T. -0.006 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

Instrument :
 BNA_F
 Client Sample ID :
 TP-96

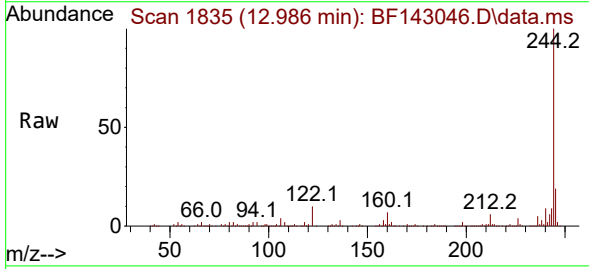


Tgt Ion: 202 Resp: 66132

Ion	Ratio	Lower	Upper
202	100		
200	18.6	15.7	23.5
203	17.6	13.8	20.6

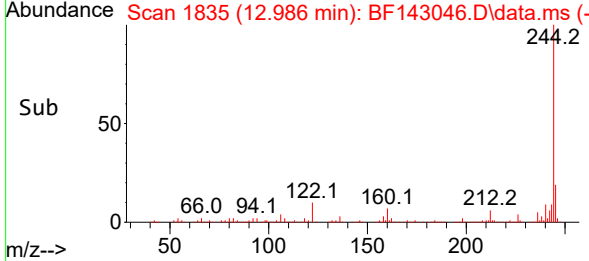
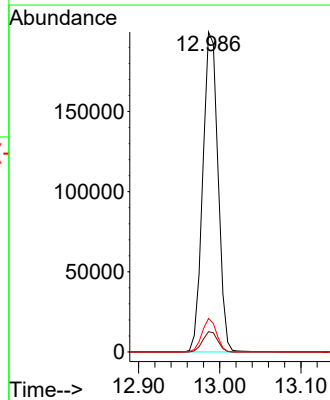


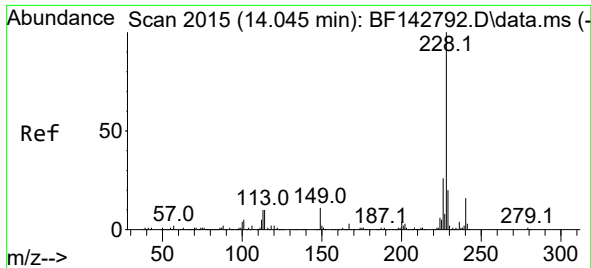
#79
 Terphenyl-d14
 Concen: 26.384 ng
 RT: 12.986 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42



Tgt Ion: 244 Resp: 259977

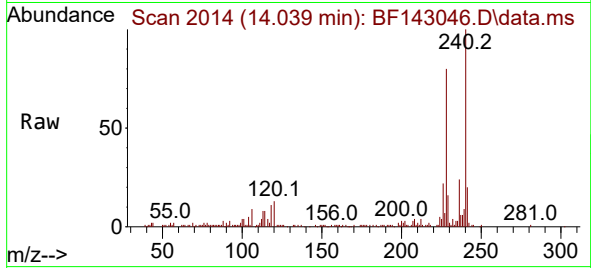
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	10.5	8.2	12.2



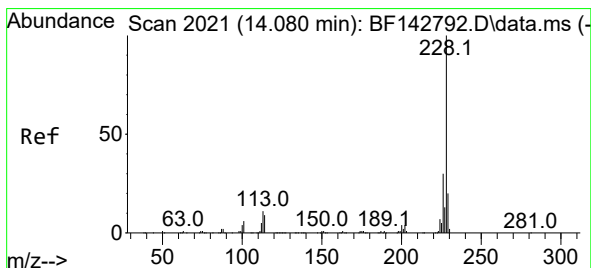
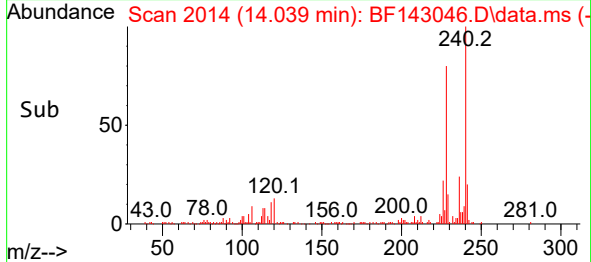
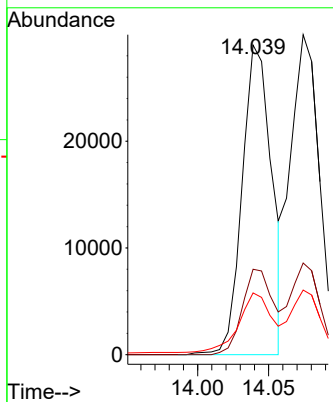


#81
 Benzo(a)anthracene
 Concen: 4.557 ng
 RT: 14.039 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-96

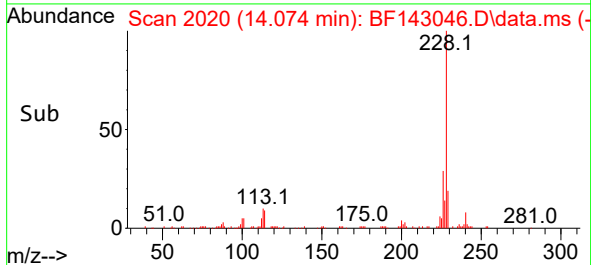
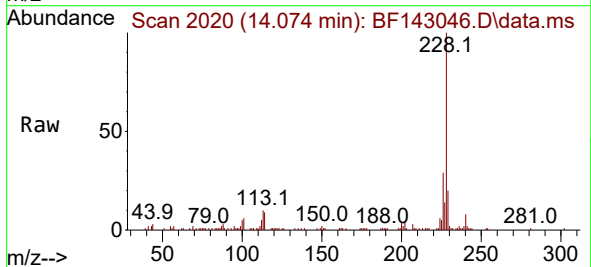
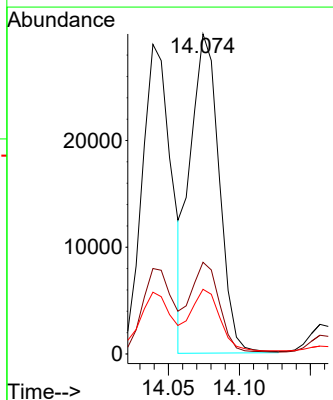


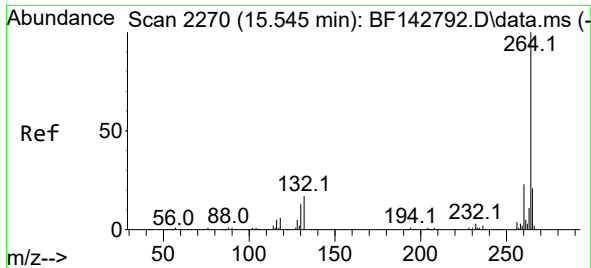
Tgt Ion:228 Resp: 41851
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.2 31.8
 229 19.9 15.6 23.4



#83
 Chrysene
 Concen: 5.143 ng
 RT: 14.074 min Scan# 2020
 Delta R.T. -0.006 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

Tgt Ion:228 Resp: 42152
 Ion Ratio Lower Upper
 228 100
 226 28.6 23.7 35.5
 229 20.2 15.7 23.5



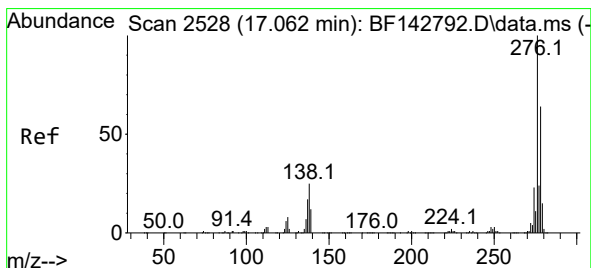
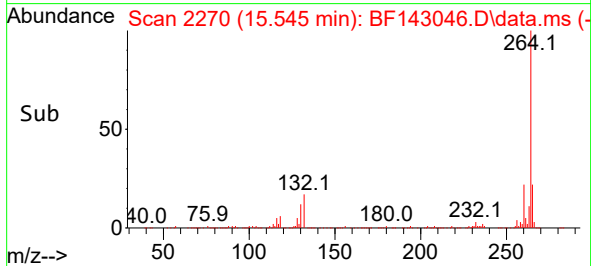
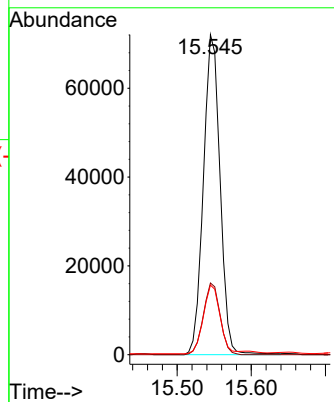
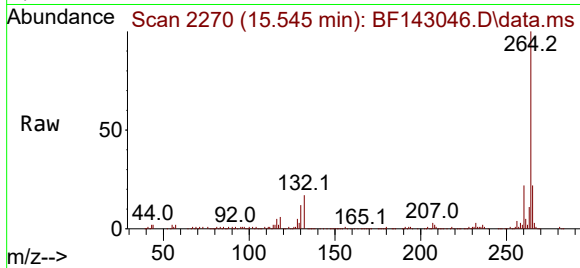


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-96

Tgt Ion:264 Resp: 112713

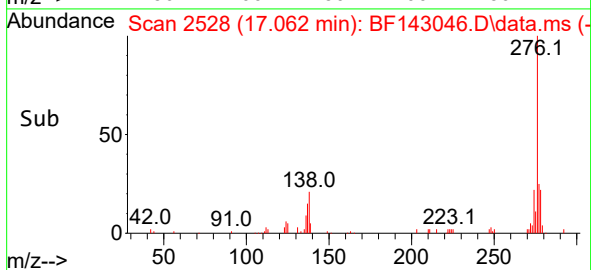
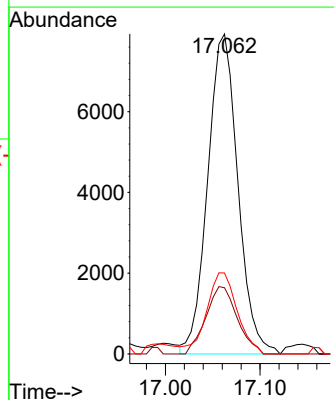
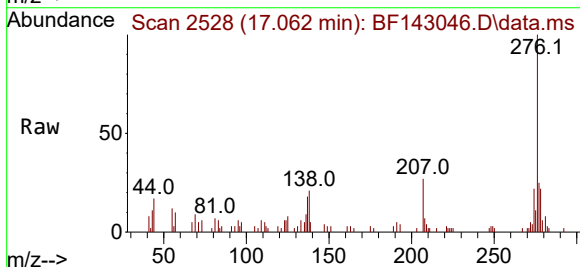
Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.1	27.1
265	21.8	16.6	25.0

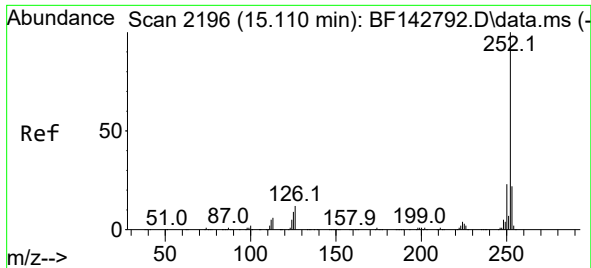


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.045 ng
 RT: 17.062 min Scan# 2528
 Delta R.T. 0.000 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

Tgt Ion:276 Resp: 17557

Ion	Ratio	Lower	Upper
276	100		
138	21.8	20.2	30.4
277	25.8	19.8	29.6

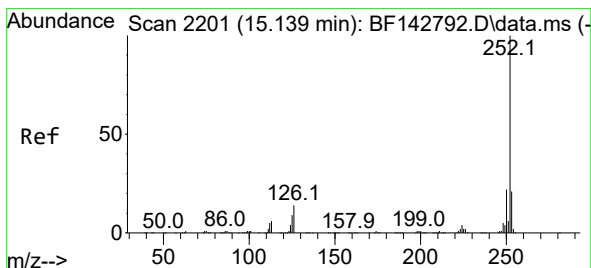
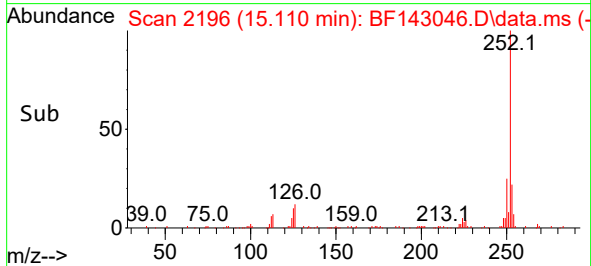
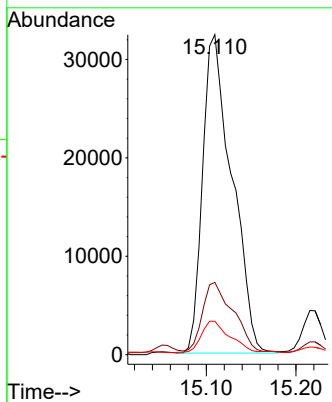
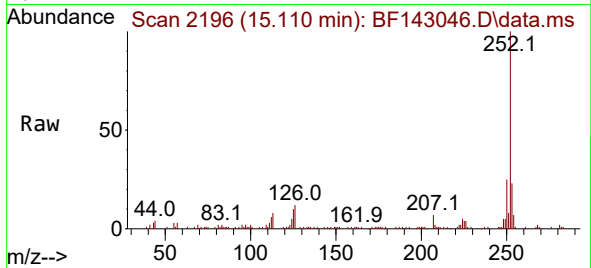




#88
 Benzo(b)fluoranthene
 Concen: 11.261 ng
 RT: 15.110 min Scan# 2196
 Delta R.T. 0.000 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

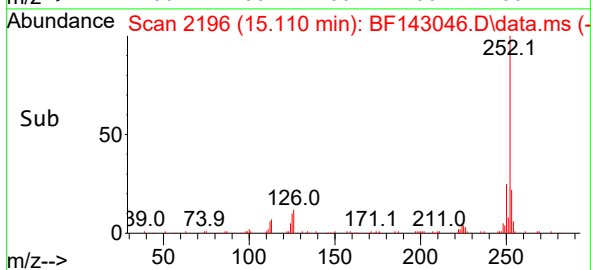
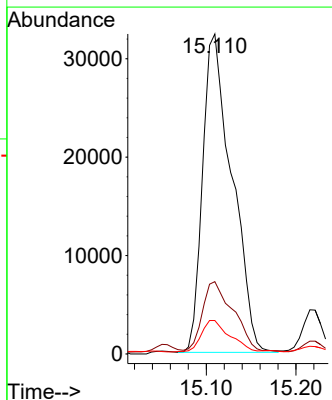
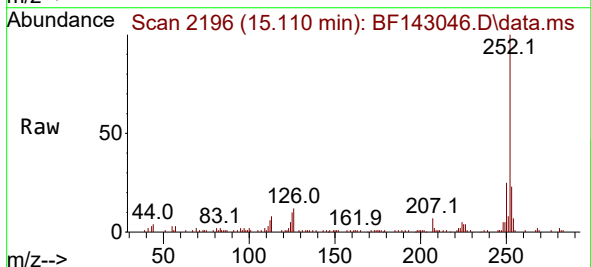
Instrument :
 BNA_F
 ClientSampleId :
 TP-96

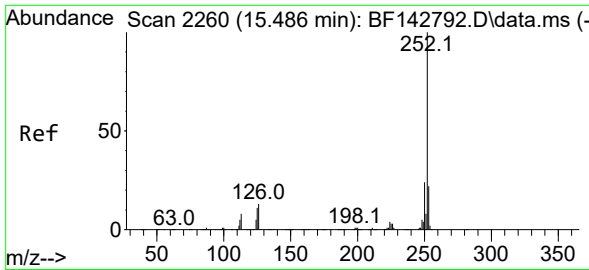
Tgt Ion	Resp	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	10.5	7.4	11.0



#89
 Benzo(k)fluoranthene
 Concen: 12.037 ng
 RT: 15.110 min Scan# 2196
 Delta R.T. -0.029 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

Tgt Ion	Resp	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	10.5	7.4	11.2

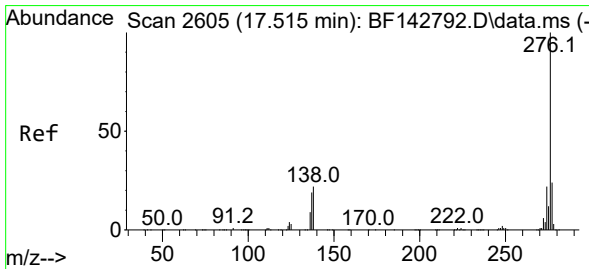
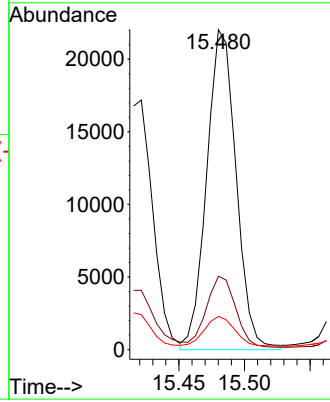
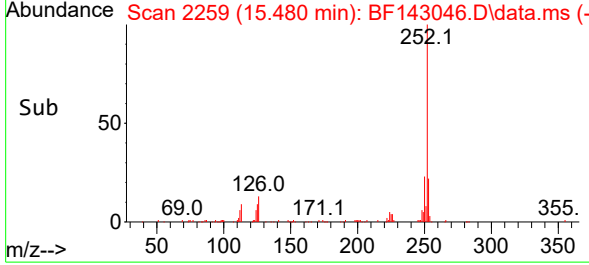
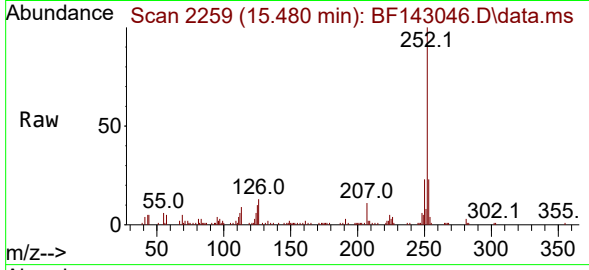




#90
 Benzo(a)pyrene
 Concen: 5.464 ng
 RT: 15.480 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

Instrument :
 BNA_F
 ClientSampleId :
 TP-96

Tgt Ion	Resp	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	10.4	8.6	12.8



#92
 Benzo(g,h,i)perylene
 Concen: 2.488 ng
 RT: 17.521 min Scan# 2606
 Delta R.T. 0.006 min
 Lab File: BF143046.D
 Acq: 08 Jul 2025 21:42

Tgt Ion	Resp	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	22.9	17.6	26.4

