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 Data File : BF143038.D
 Acq On : 08 Jul 2025 17:37
 Operator : RC/JU
 Sample : Q2514-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-97

Quant Time: Jul 08 18:07:06 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

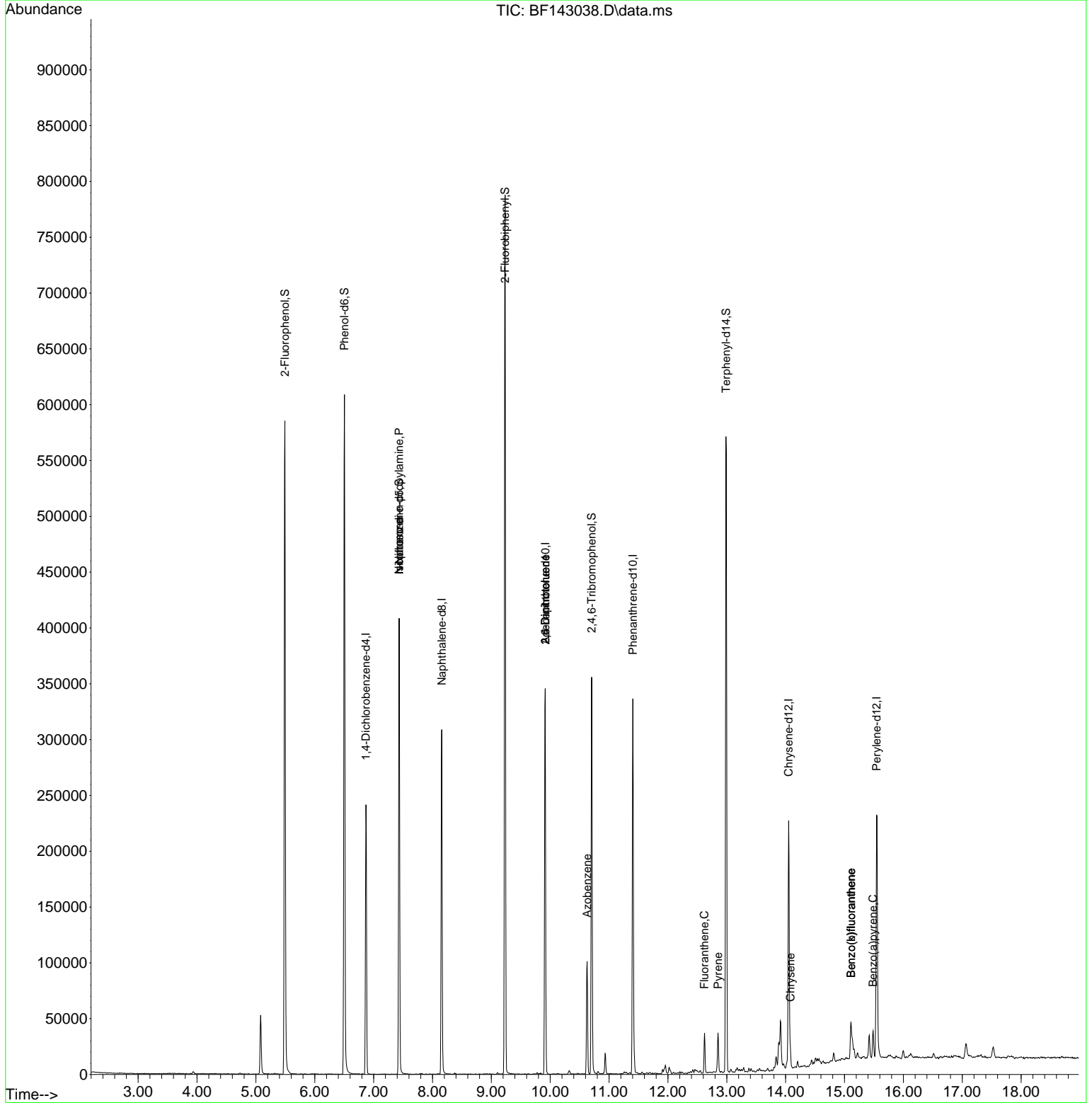
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	53517	20.000	ng	-0.01
21) Naphthalene-d8	8.157	136	204226	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	107967	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	176632	20.000	ng	0.00
76) Chrysene-d12	14.051	240	101816	20.000	ng	0.00
86) Perylene-d12	15.545	264	128852	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	237830	73.989	ng	0.00
7) Phenol-d6	6.504	99	286850	75.639	ng	0.00
23) Nitrobenzene-d5	7.434	82	172117	46.227	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	61813	55.635	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	361783	44.019	ng	-0.01
79) Terphenyl-d14	12.986	244	282841	38.383	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	22565	10.231	ng	# 76
25) Isophorone	7.434	82	172115	28.817	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	14015	9.132	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	14015	6.875	ng	# 26
63) Azobenzene	10.628	77	23245	3.795	ng	# 1
75) Fluoranthene	12.622	202	21427	2.360	ng	99
78) Pyrene	12.851	202	21083	2.209	ng	98
83) Chrysene	14.080	228	12655	2.065	ng	99
88) Benzo(b)fluoranthene	15.110	252	30545	4.097	ng	97
89) Benzo(k)fluoranthene	15.110	252	30545	4.379	ng	97
90) Benzo(a)pyrene	15.486	252	16099	2.235	ng	97

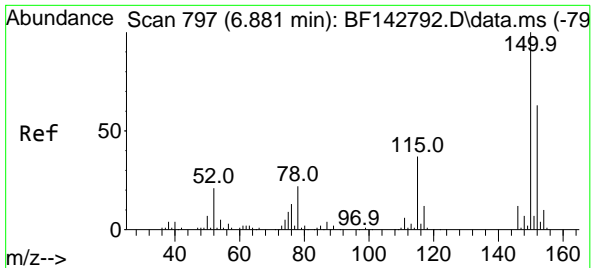
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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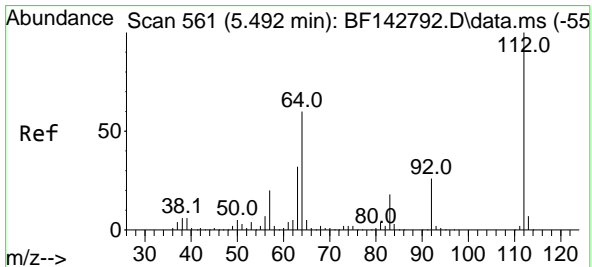
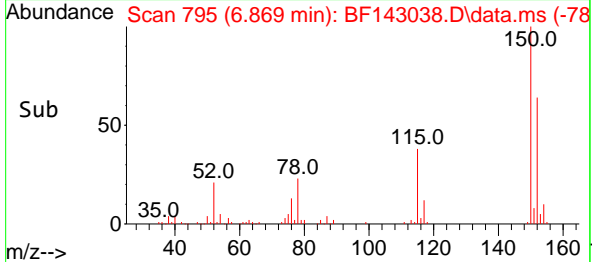
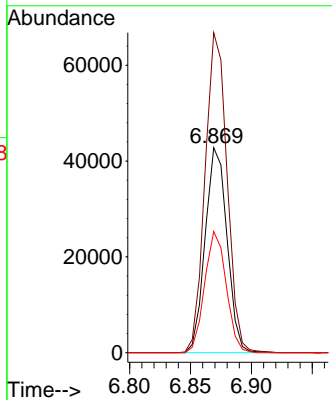
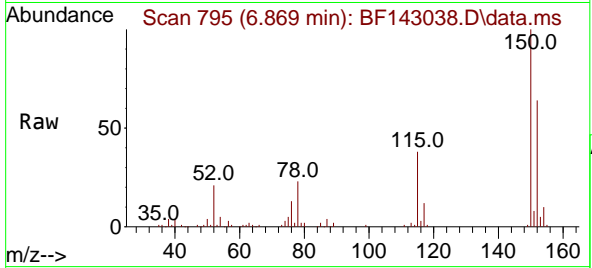


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.869 min Scan# 795
 Delta R.T. -0.012 min
 Lab File: BF143038.D
 Acq: 08 Jul 2025 17:37

Instrument :
 BNA_F
 ClientSampleId :
 TP-97

Tgt Ion:152 Resp: 53517

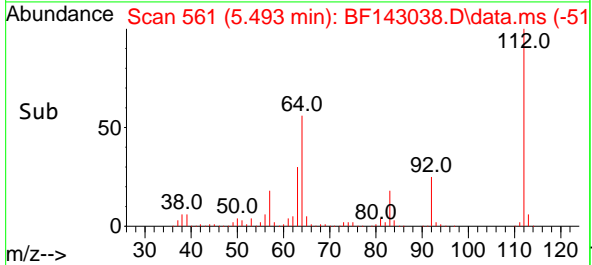
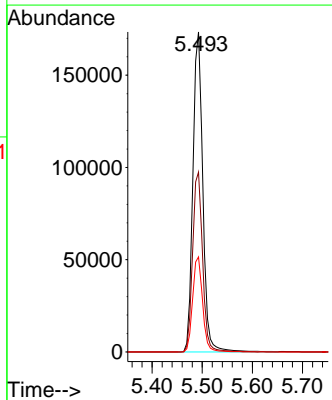
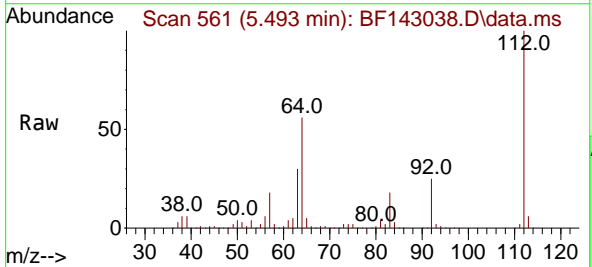
Ion	Ratio	Lower	Upper
152	100		
150	156.2	127.2	190.8
115	59.1	46.6	69.8

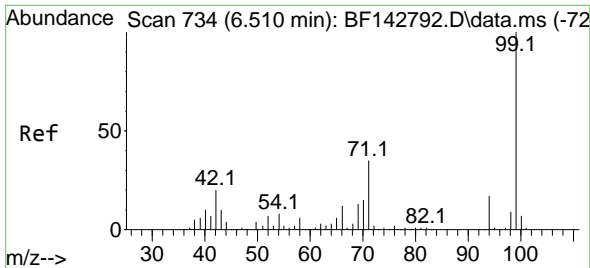


#5
 2-Fluorophenol
 Concen: 73.989 ng
 RT: 5.493 min Scan# 561
 Delta R.T. 0.001 min
 Lab File: BF143038.D
 Acq: 08 Jul 2025 17:37

Tgt Ion:112 Resp: 237830

Ion	Ratio	Lower	Upper
112	100		
64	56.2	48.2	72.2
63	29.7	25.7	38.5

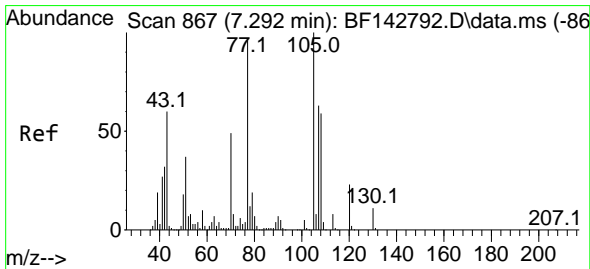
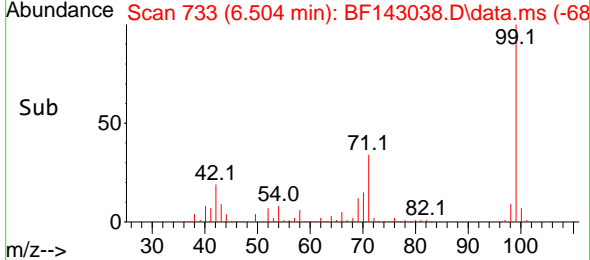
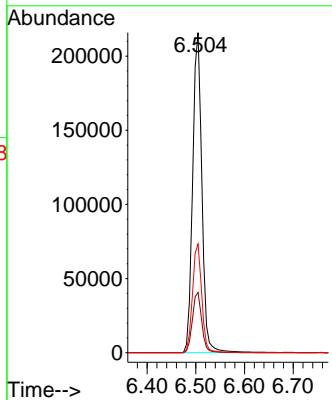
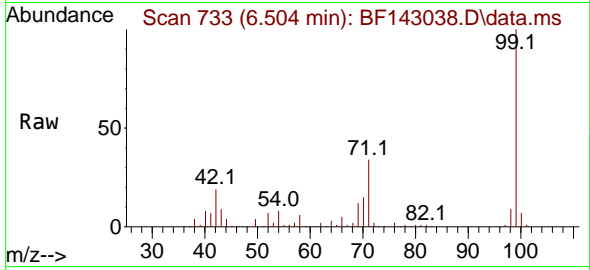




#7
 Phenol-d6
 Concen: 75.639 ng
 RT: 6.504 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF143038.D
 Acq: 08 Jul 2025 17:37

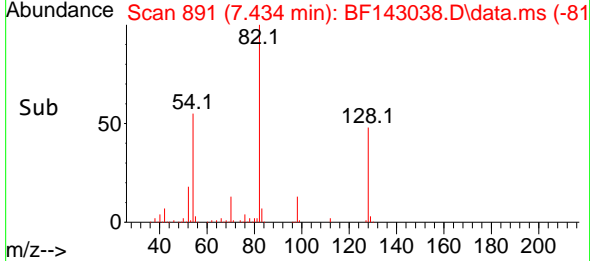
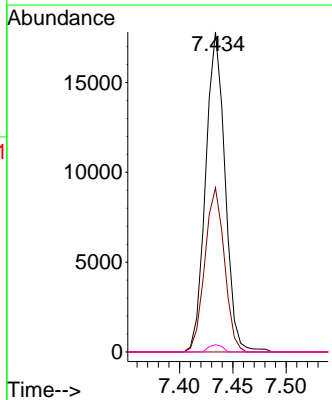
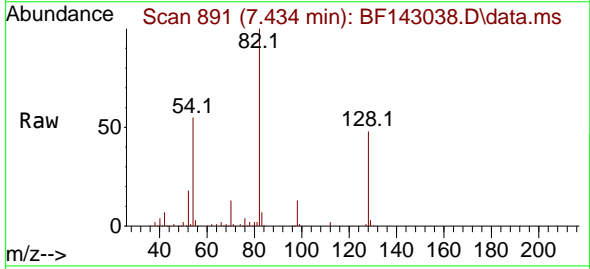
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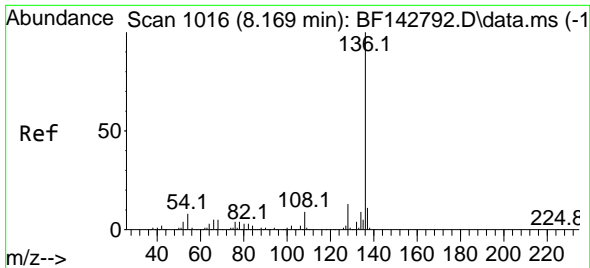
Tgt Ion	Resp	Lower	Upper
99	286850		
42	18.8	15.9	23.9
71	34.0	27.8	41.8



#19
 n-Nitroso-di-n-propylamine
 Concen: 10.231 ng
 RT: 7.434 min Scan# 891
 Delta R.T. 0.141 min
 Lab File: BF143038.D
 Acq: 08 Jul 2025 17:37

Tgt Ion	Resp	Lower	Upper
70	22565		
42	51.3	52.1	78.1#
101	0.0	8.2	12.2#
130	2.2	18.2	27.2#



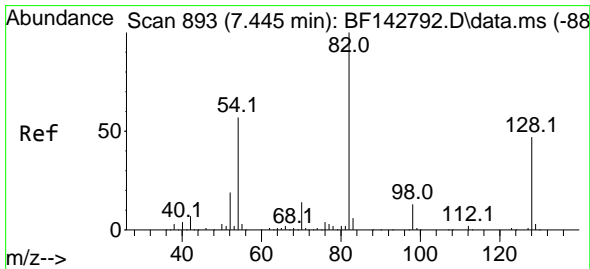
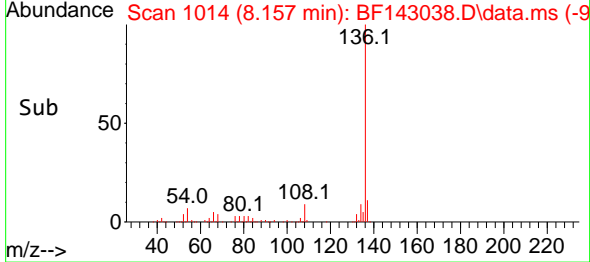
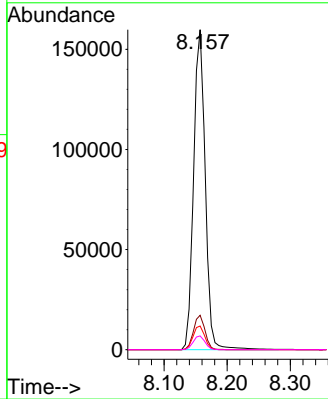
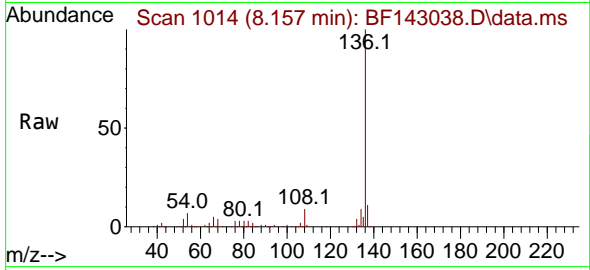


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.157 min Scan# 1014
 Delta R.T. -0.012 min
 Lab File: BF143038.D
 Acq: 08 Jul 2025 17:37

Instrument :
 BNA_F
 ClientSampleId :
 TP-97

Tgt Ion:136 Resp: 204226

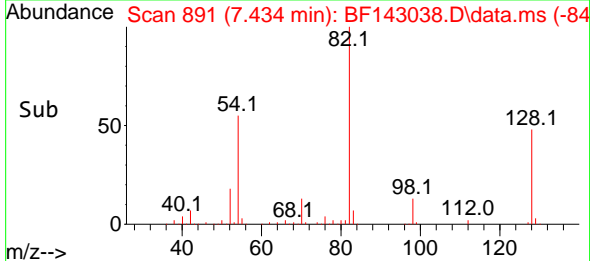
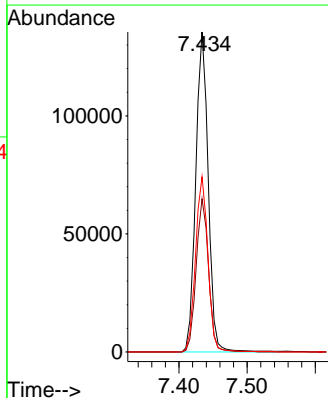
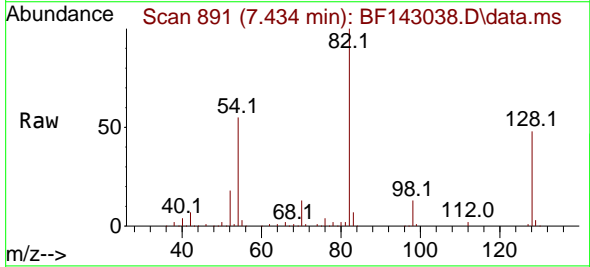
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	7.4	6.3	9.5
68	4.3	3.7	5.5

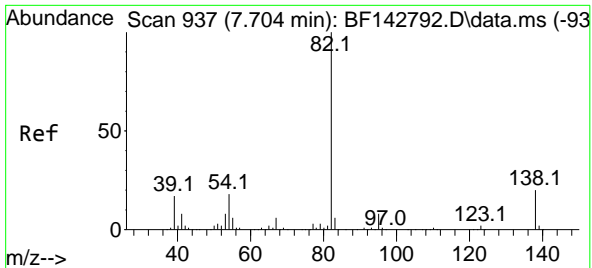


#23
 Nitrobenzene-d5
 Concen: 46.227 ng
 RT: 7.434 min Scan# 891
 Delta R.T. -0.011 min
 Lab File: BF143038.D
 Acq: 08 Jul 2025 17:37

Tgt Ion: 82 Resp: 172117

Ion	Ratio	Lower	Upper
82	100		
128	47.9	37.7	56.5
54	54.8	45.7	68.5

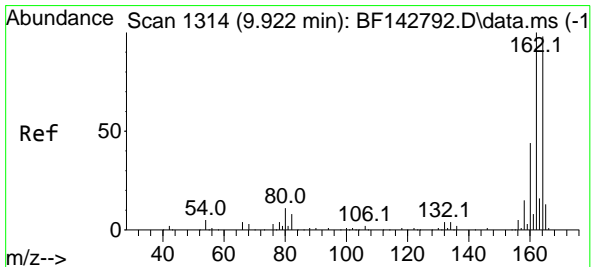
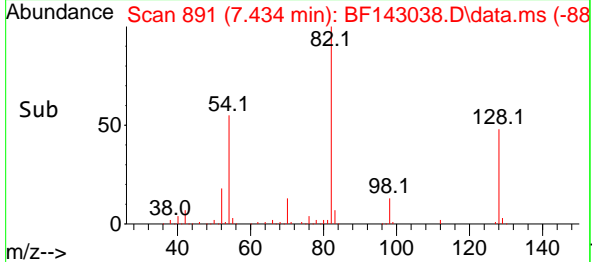
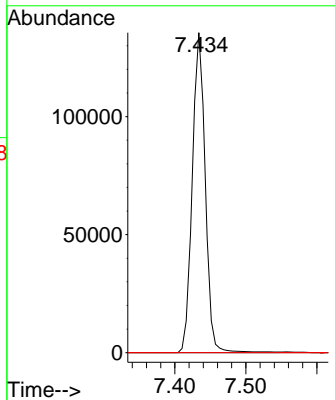
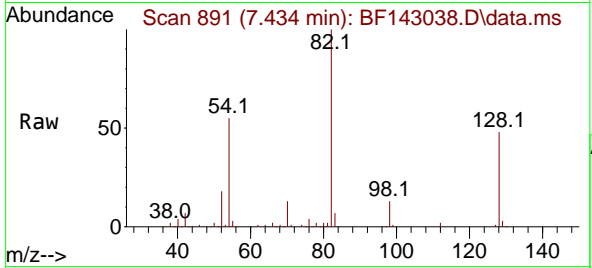




#25
 Isophorone
 Concen: 28.817 ng
 RT: 7.434 min Scan# 891
 Delta R.T. -0.270 min
 Lab File: BF143038.D
 Acq: 08 Jul 2025 17:37

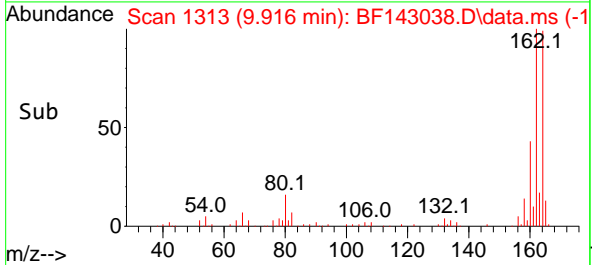
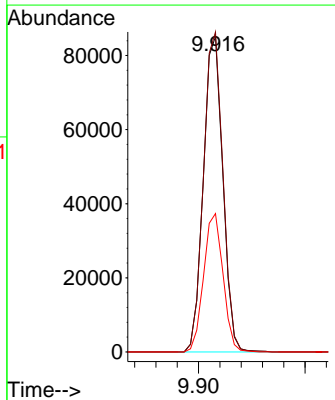
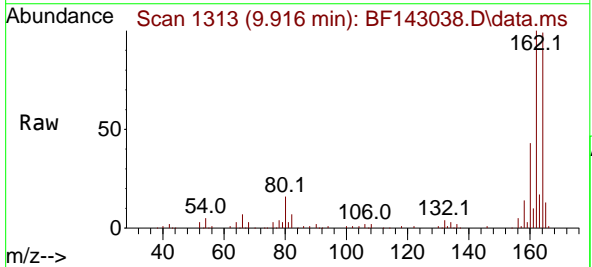
Instrument : BNA_F
 ClientSampleId : TP-97

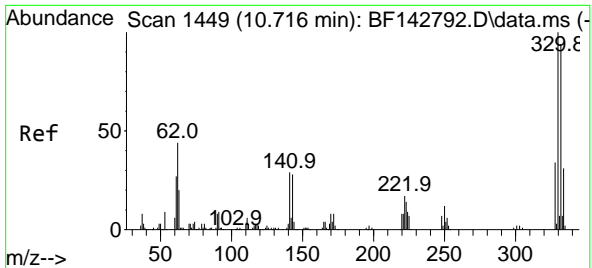
Tgt Ion: 82 Resp: 172115
 Ion Ratio Lower Upper
 82 100
 95 0.0 6.2 9.2#
 138 0.0 16.2 24.4#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.916 min Scan# 1313
 Delta R.T. -0.006 min
 Lab File: BF143038.D
 Acq: 08 Jul 2025 17:37

Tgt Ion:164 Resp: 107967
 Ion Ratio Lower Upper
 164 100
 162 101.4 81.8 122.8
 160 43.9 36.0 54.0

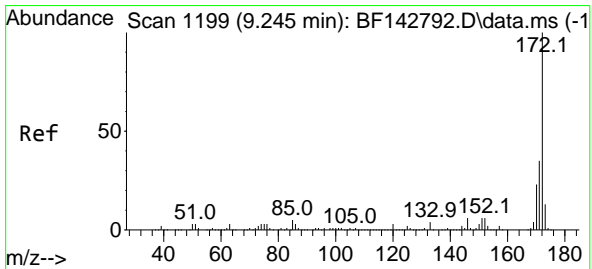
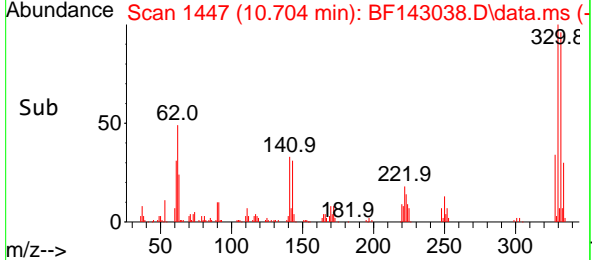
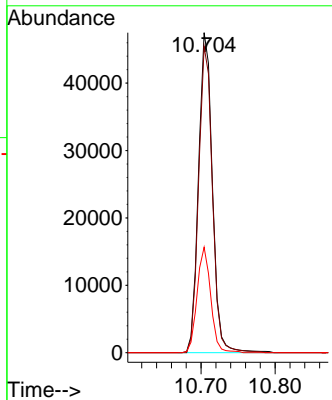
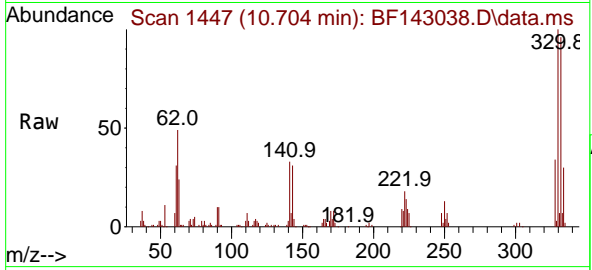




#42
 2,4,6-Tribromophenol
 Concen: 55.635 ng
 RT: 10.704 min Scan# 1447
 Delta R.T. -0.012 min
 Lab File: BF143038.D
 Acq: 08 Jul 2025 17:37

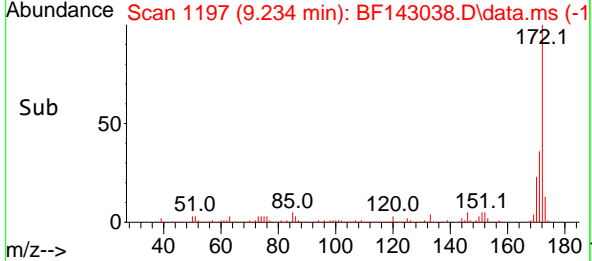
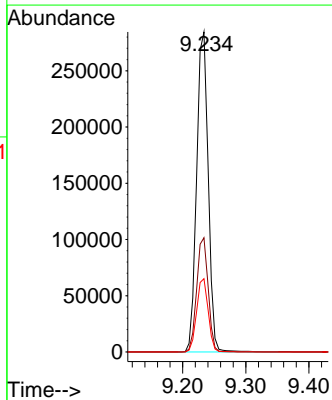
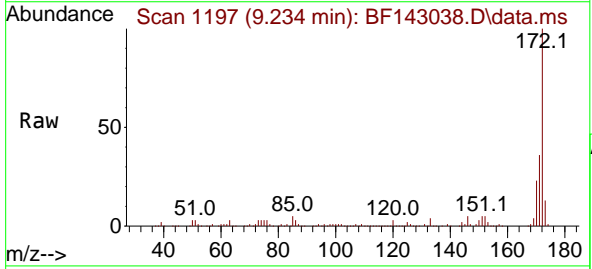
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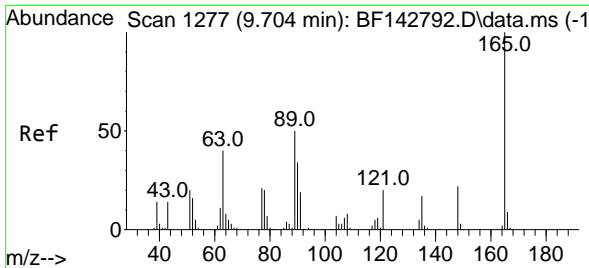
Tgt Ion:330 Resp: 61813
 Ion Ratio Lower Upper
 330 100
 332 95.0 75.0 112.6
 141 32.2 25.3 37.9



#45
 2-Fluorobiphenyl
 Concen: 44.019 ng
 RT: 9.234 min Scan# 1197
 Delta R.T. -0.011 min
 Lab File: BF143038.D
 Acq: 08 Jul 2025 17:37

Tgt Ion:172 Resp: 361783
 Ion Ratio Lower Upper
 172 100
 171 35.7 28.2 42.4
 170 22.9 18.5 27.7

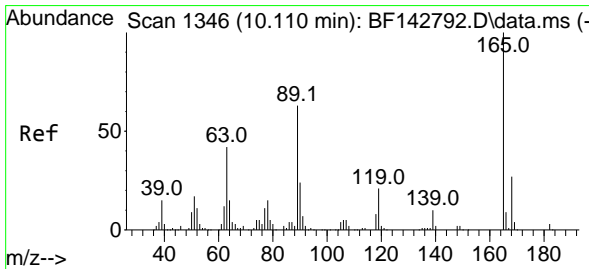
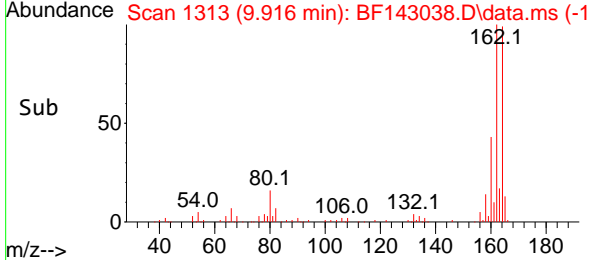
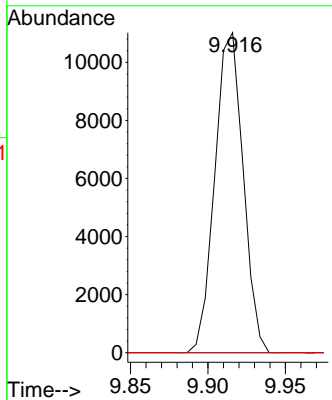
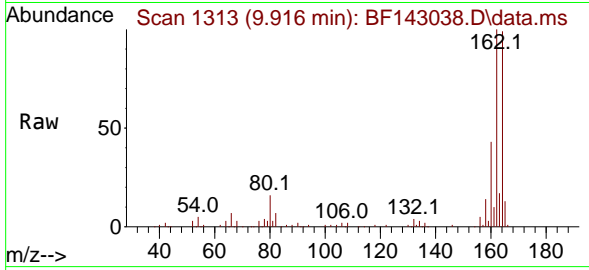




#51
 2,6-Dinitrotoluene
 Concen: 9.132 ng
 RT: 9.916 min Scan# 11
 Delta R.T. 0.212 min
 Lab File: BF143038.D
 Acq: 08 Jul 2025 17:37

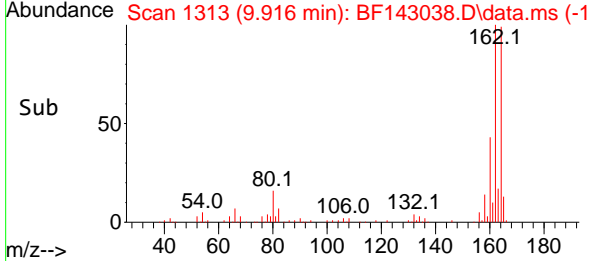
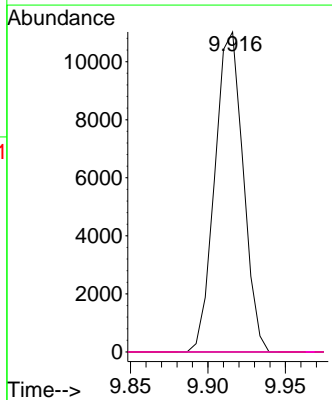
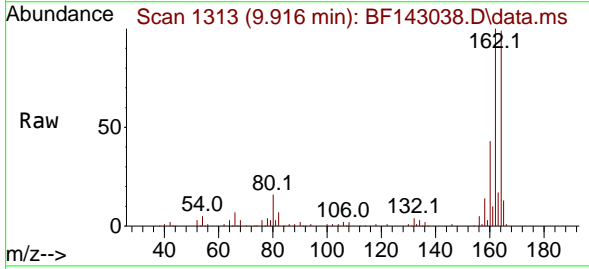
Instrument : BNA_F
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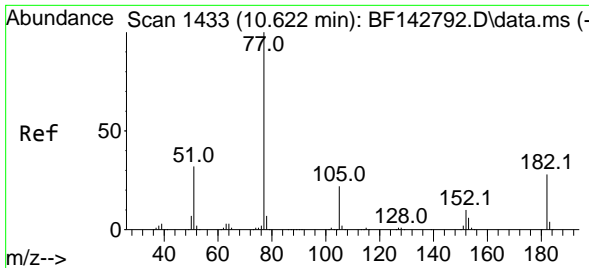
Tgt Ion	Resp	Lower	Upper
165	100		
63	0.0	44.2	66.4#
89	0.0	39.8	59.8#



#57
 2,4-Dinitrotoluene
 Concen: 6.875 ng
 RT: 9.916 min Scan# 1313
 Delta R.T. -0.194 min
 Lab File: BF143038.D
 Acq: 08 Jul 2025 17:37

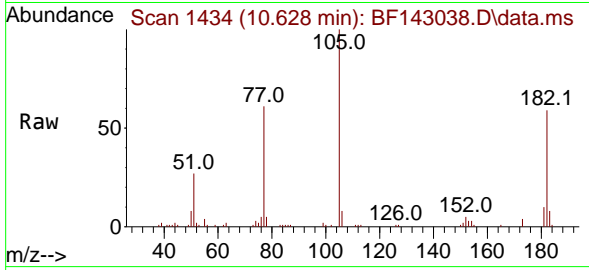
Tgt Ion	Resp	Lower	Upper
165	100		
63	0.0	33.9	50.9#
89	0.0	50.6	75.8#
182	0.0	2.3	3.5#



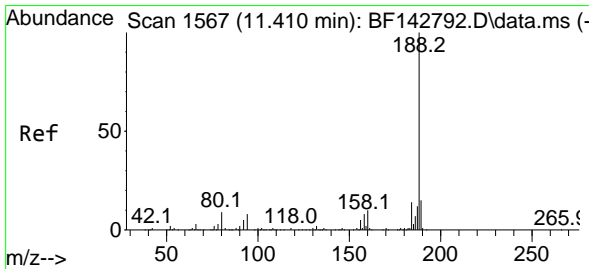
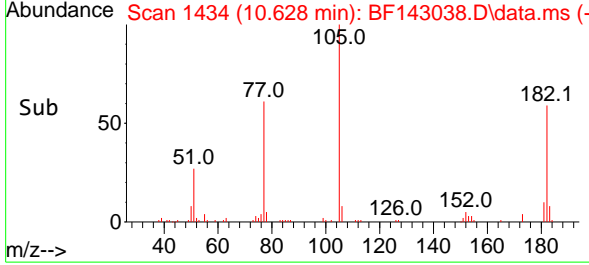
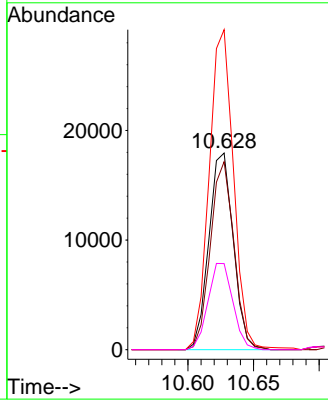


#63
 Azobenzene
 Concen: 3.795 ng
 RT: 10.628 min Scan# 1433
 Delta R.T. 0.006 min
 Lab File: BF143038.D
 Acq: 08 Jul 2025 17:37

Instrument :
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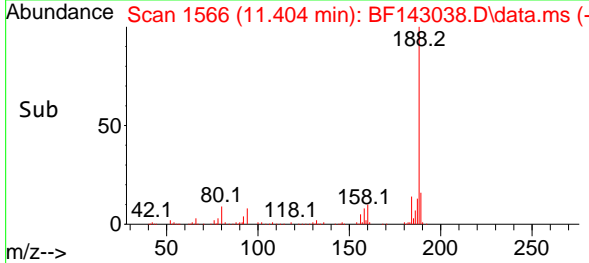
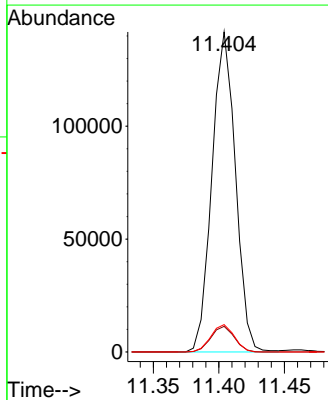
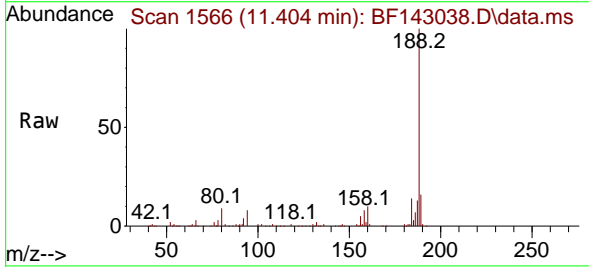


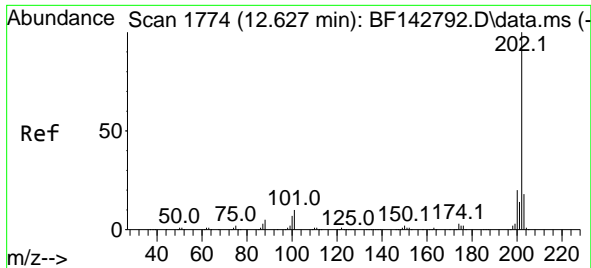
Tgt Ion: 77 Resp: 23245
 Ion Ratio Lower Upper
 77 100
 182 95.6 7.7 47.7#
 105 162.7 1.9 41.9#
 51 43.8 13.3 53.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.404 min Scan# 1566
 Delta R.T. -0.006 min
 Lab File: BF143038.D
 Acq: 08 Jul 2025 17:37

Tgt Ion: 188 Resp: 176632
 Ion Ratio Lower Upper
 188 100
 94 8.0 6.7 10.1
 80 8.6 6.9 10.3

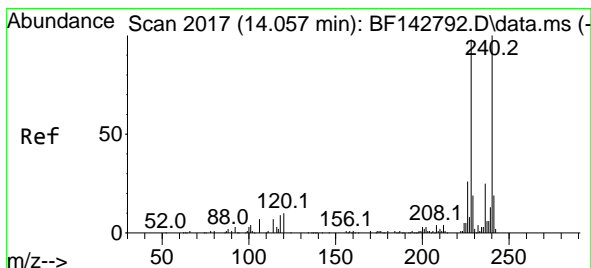
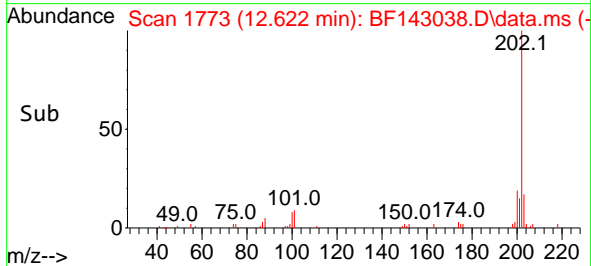
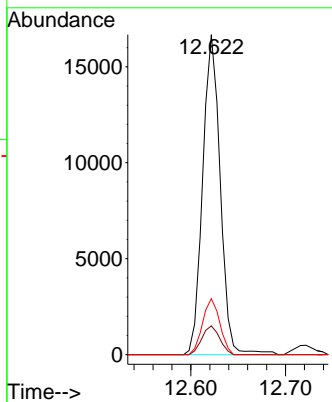
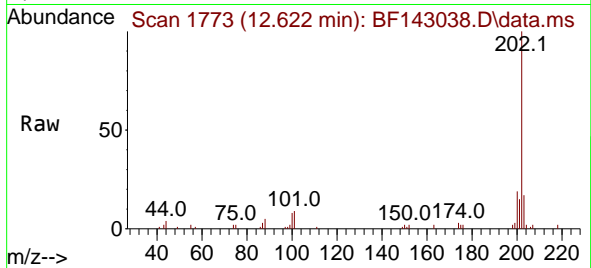




#75
 Fluoranthene
 Concen: 2.360 ng
 RT: 12.622 min Scan# 1773
 Delta R.T. -0.006 min
 Lab File: BF143038.D
 Acq: 08 Jul 2025 17:37

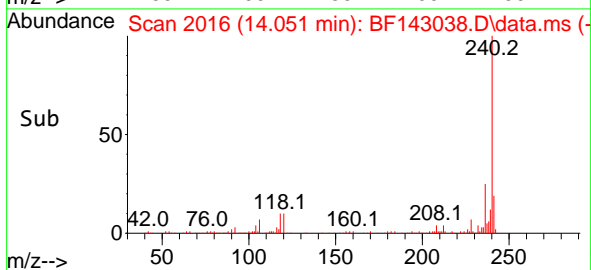
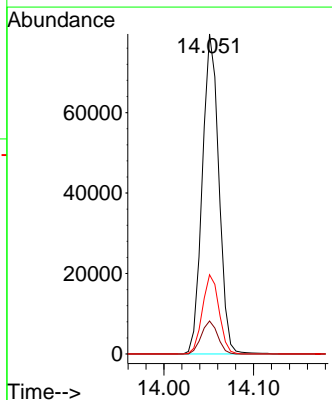
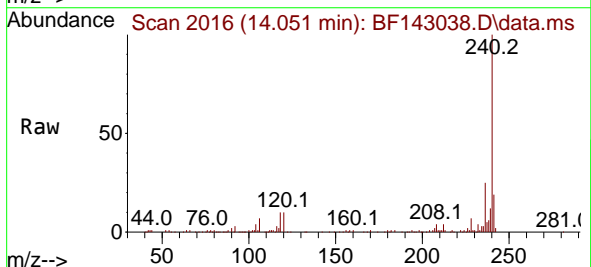
Instrument :
 BNA_F
 ClientSampleId :
 TP-97

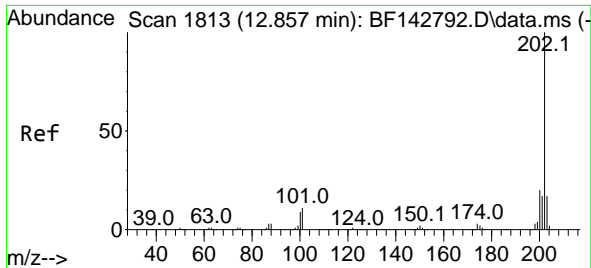
Tgt Ion	Resp	Lower	Upper
202	100		
101	9.0	0.0	29.7
203	17.5	0.0	37.5



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.051 min Scan# 2016
 Delta R.T. -0.006 min
 Lab File: BF143038.D
 Acq: 08 Jul 2025 17:37

Tgt Ion	Resp	Lower	Upper
240	100		
120	10.3	8.2	12.2
236	24.7	19.8	29.8



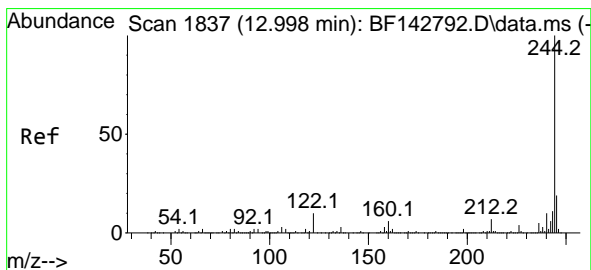
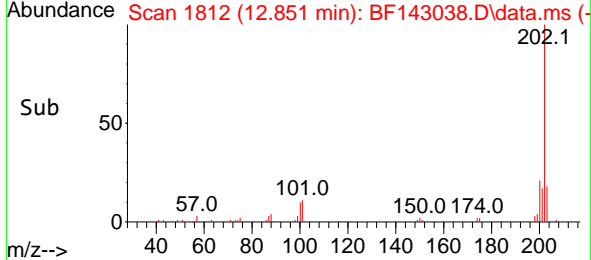
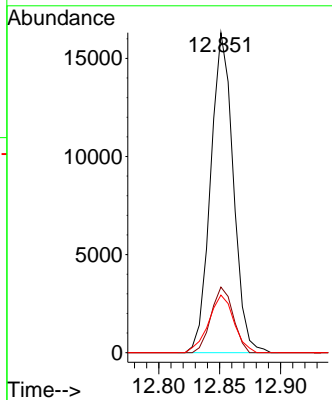
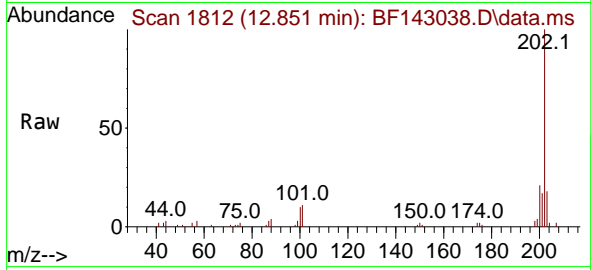


#78
 Pyrene
 Concen: 2.209 ng
 RT: 12.851 min Scan# 1812
 Delta R.T. -0.006 min
 Lab File: BF143038.D
 Acq: 08 Jul 2025 17:37

Instrument :
 BNA_F
 ClientSampleId :
 TP-97

Tgt Ion:202 Resp: 21083

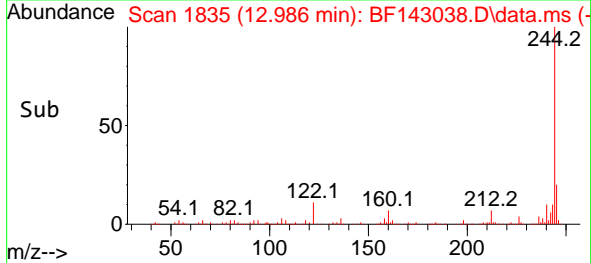
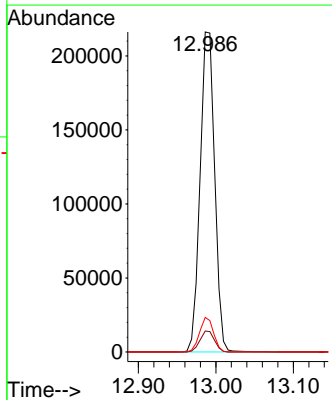
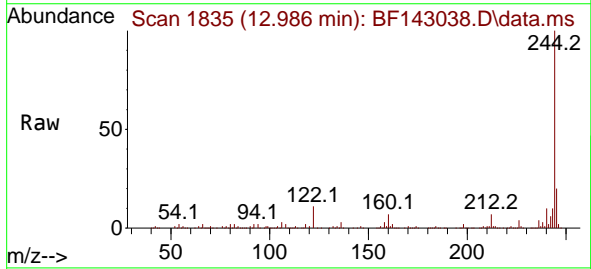
Ion	Ratio	Lower	Upper
202	100		
200	20.5	15.7	23.5
203	18.0	13.8	20.6

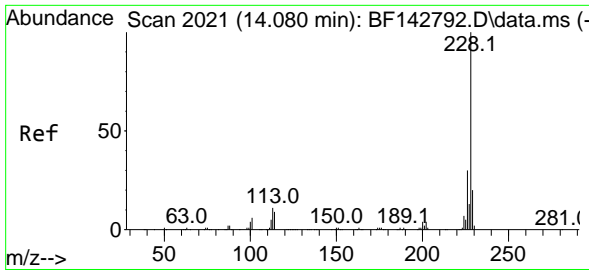


#79
 Terphenyl-d14
 Concen: 38.383 ng
 RT: 12.986 min Scan# 1835
 Delta R.T. -0.012 min
 Lab File: BF143038.D
 Acq: 08 Jul 2025 17:37

Tgt Ion:244 Resp: 282841

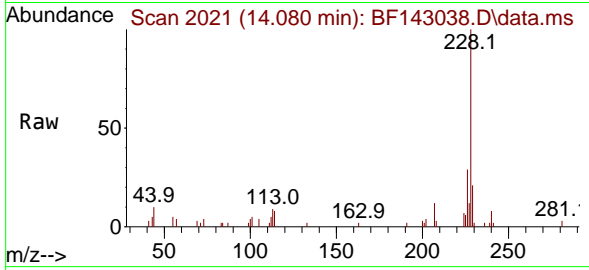
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	10.8	8.2	12.2





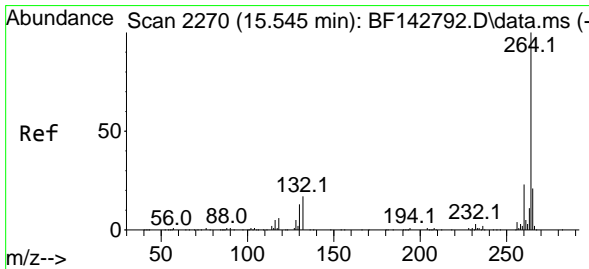
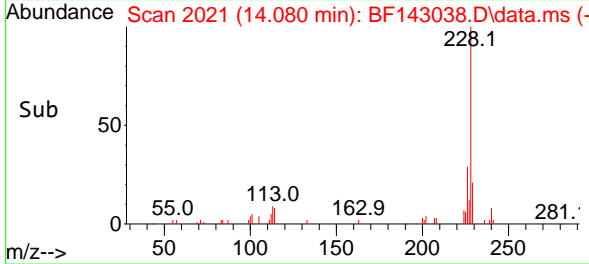
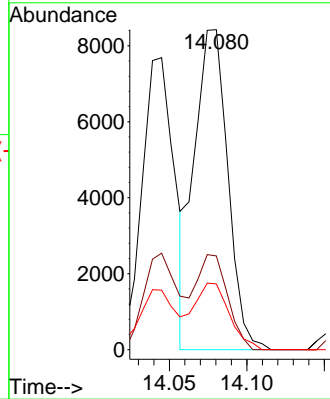
#83
 Chrysene
 Concen: 2.065 ng
 RT: 14.080 min Scan# 2021
 Delta R.T. 0.000 min
 Lab File: BF143038.D
 Acq: 08 Jul 2025 17:37

Instrument :
 BNA_F
 Client Sample Id :
 TP-97



Tgt Ion: 228 Resp: 12655

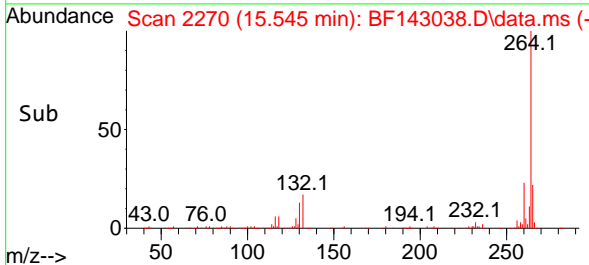
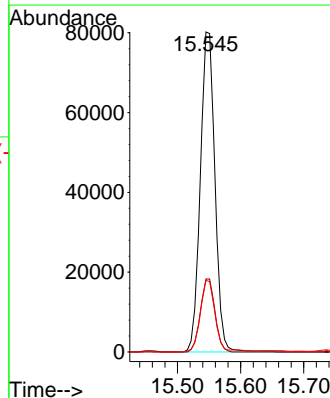
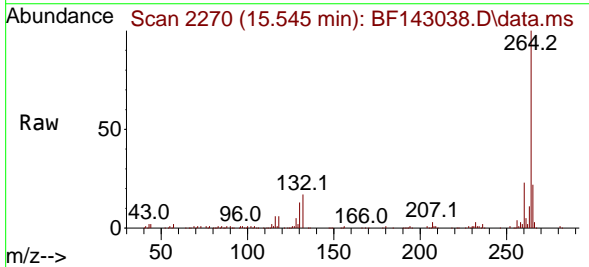
Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.7	35.5
229	20.6	15.7	23.5

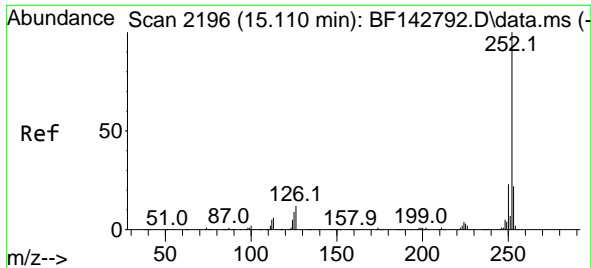


#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. 0.000 min
 Lab File: BF143038.D
 Acq: 08 Jul 2025 17:37

Tgt Ion: 264 Resp: 128852

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.1	27.1
265	22.4	16.6	25.0



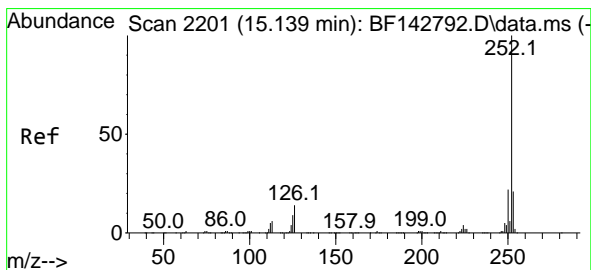
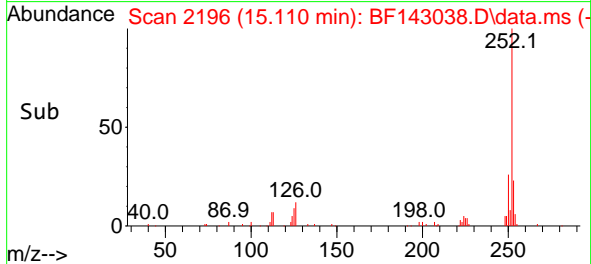
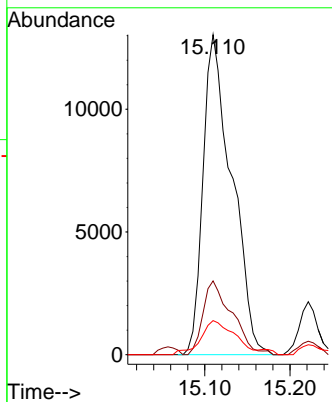
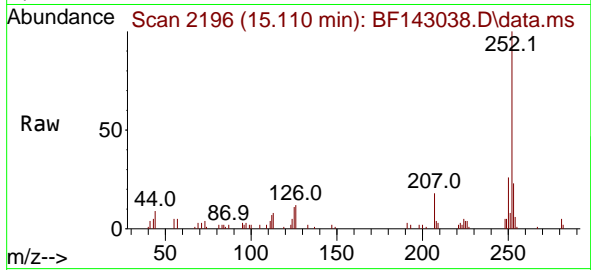


#88
 Benzo(b)fluoranthene
 Concen: 4.097 ng
 RT: 15.110 min Scan# 2196
 Delta R.T. 0.000 min
 Lab File: BF143038.D
 Acq: 08 Jul 2025 17:37

Instrument :
 BNA_F
 ClientSampleId :
 TP-97

Tgt Ion:252 Resp: 30545

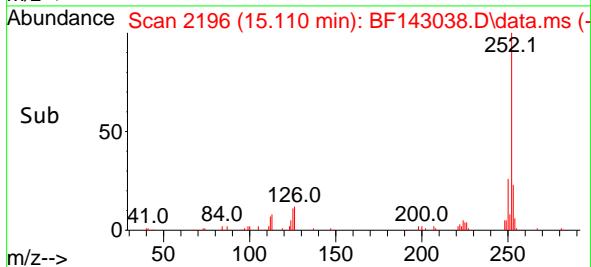
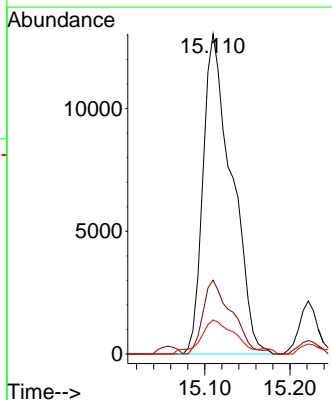
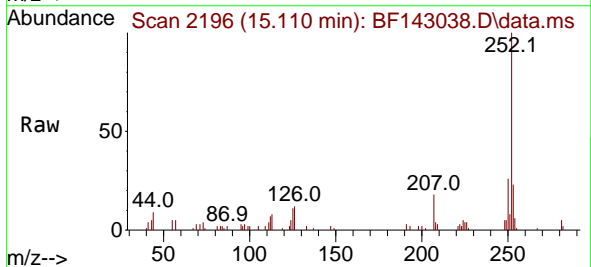
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	10.7	7.4	11.0

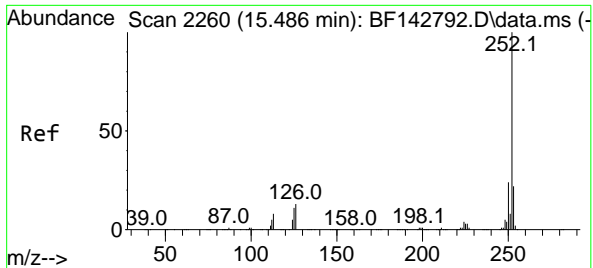


#89
 Benzo(k)fluoranthene
 Concen: 4.379 ng
 RT: 15.110 min Scan# 2196
 Delta R.T. -0.029 min
 Lab File: BF143038.D
 Acq: 08 Jul 2025 17:37

Tgt Ion:252 Resp: 30545

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	10.7	7.4	11.2





#90
 Benzo(a)pyrene
 Concen: 2.235 ng
 RT: 15.486 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF143038.D
 Acq: 08 Jul 2025 17:37

Instrument :
 BNA_F
 ClientSampleId :
 TP-97

Tgt Ion:252 Resp: 16099

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	9.6	8.6	12.8

