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 Data File : BF141850.D
 Acq On : 05 Mar 2025 18:20
 Operator : RC/JU
 Sample : Q1489-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Mar 06 00:13:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

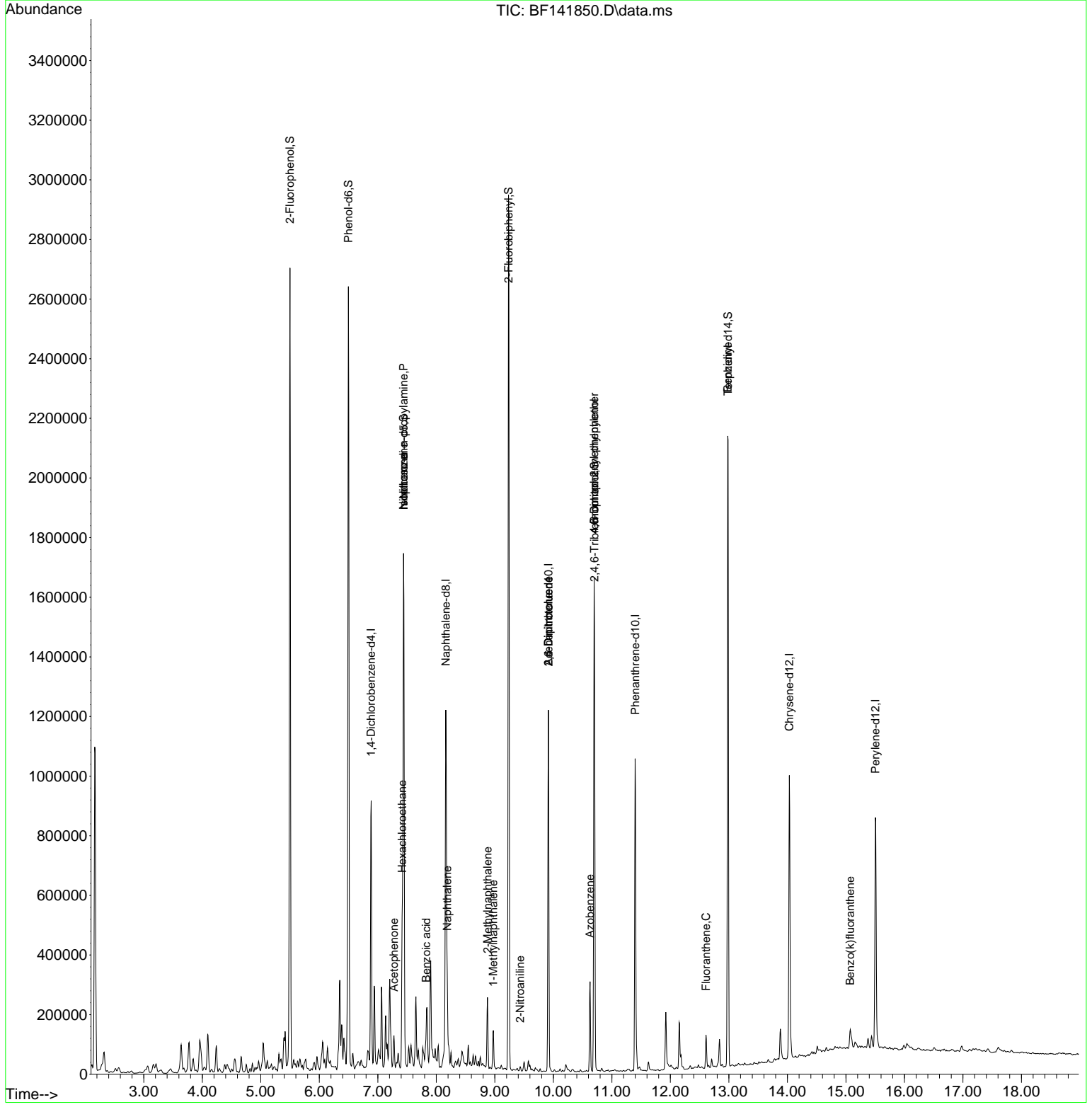
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	186987	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	685186	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	340299	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	520120	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	429467	20.000	ng	-0.02
86) Perylene-d12	15.504	264	459011	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	942839	80.524	ng	0.00
7) Phenol-d6	6.498	99	1185686	77.801	ng	-0.01
23) Nitrobenzene-d5	7.439	82	728334	67.945	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	261979	82.002	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	1266616	59.681	ng	-0.01
79) Terphenyl-d14	12.986	244	1052980	39.669	ng	-0.01
Target Compounds						
18) Hexachloroethane	7.416	117	35880	7.014	ng	# 1
19) n-Nitroso-di-n-propyla...	7.439	70	100554	10.037	ng	# 79
22) Acetophenone	7.275	105	36660	2.197	ng	# 53
25) Isophorone	7.439	82	724711	31.469	ng	# 66
31) Naphthalene	8.186	128	140139	3.979	ng	99
32) Benzoic acid	7.828	122	542	7.755	ng	# 1
37) 2-Methylnaphthalene	8.875	142	88521	3.832	ng	99
38) 1-Methylnaphthalene	8.975	142	44862	2.024	ng	96
48) 2-Nitroaniline	9.433	65	322	4.395	ng	# 6
51) 2,6-Dinitrotoluene	9.916	165	44317	12.395	ng	# 21
57) 2,4-Dinitrotoluene	9.916	165	44318	11.236	ng	# 20
63) Azobenzene	10.627	77	74686	3.105	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.698	198	563	8.317	ng	# 1
67) 4-Bromophenyl-phenylether	10.698	248	18610	3.063	ng	# 1
75) Fluoranthene	12.610	202	60479	2.122	ng	98
77) Benzidine	12.980	184	14766	2.732	ng	# 93
89) Benzo(k)fluoranthene	15.074	252	53408	2.010	ng	98

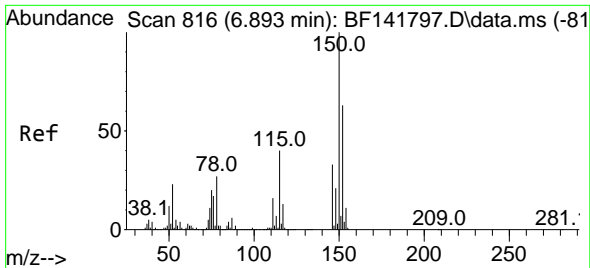
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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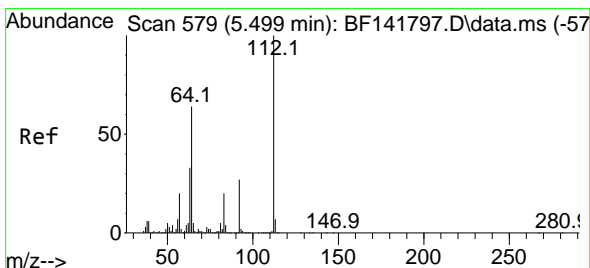
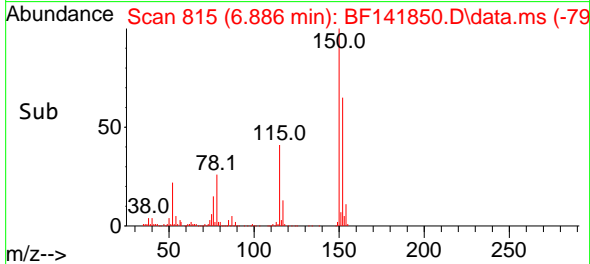
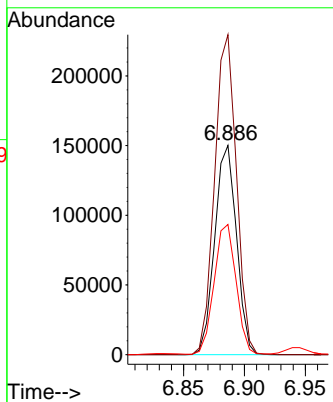
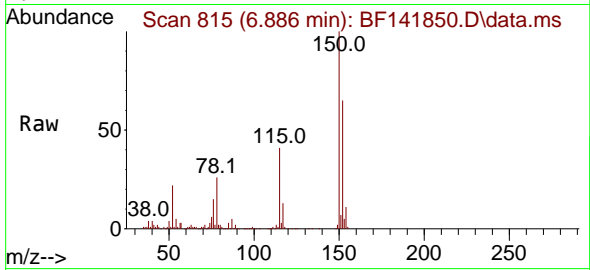




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.886 min Scan# 816
 Delta R.T. -0.007 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

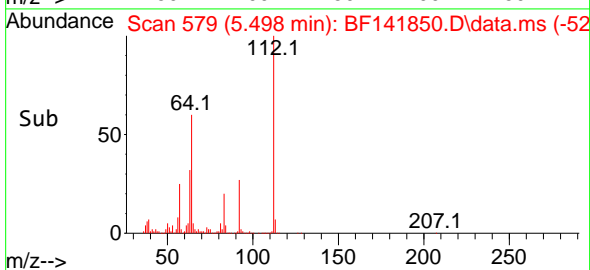
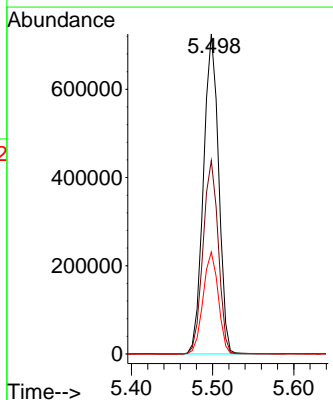
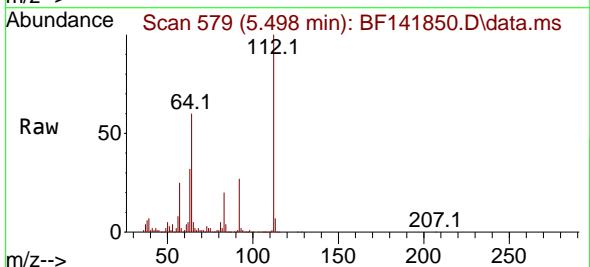
Instrument :
 BNA_F
 ClientSampleId :
 TP-3

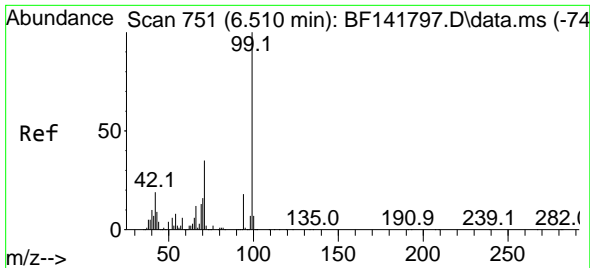
Tgt Ion:152 Resp: 186987
 Ion Ratio Lower Upper
 152 100
 150 152.9 127.5 191.3
 115 62.3 51.4 77.2



#5
 2-Fluorophenol
 Concen: 80.524 ng
 RT: 5.498 min Scan# 579
 Delta R.T. -0.000 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

Tgt Ion:112 Resp: 942839
 Ion Ratio Lower Upper
 112 100
 64 60.4 51.3 76.9
 63 31.8 26.2 39.4

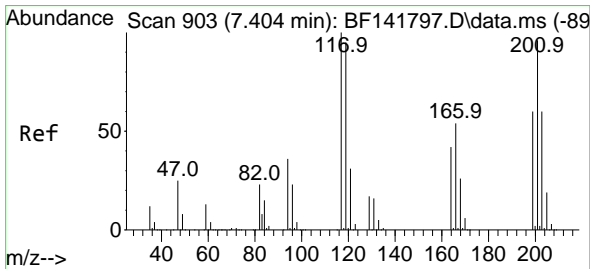
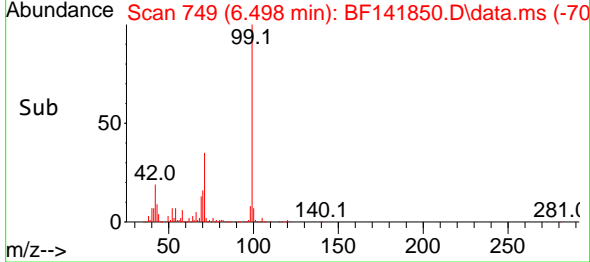
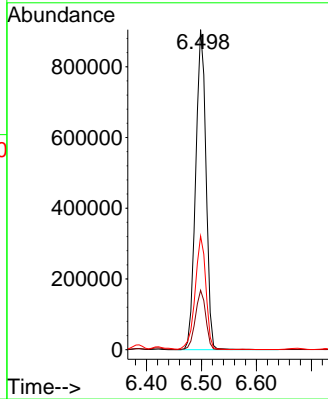
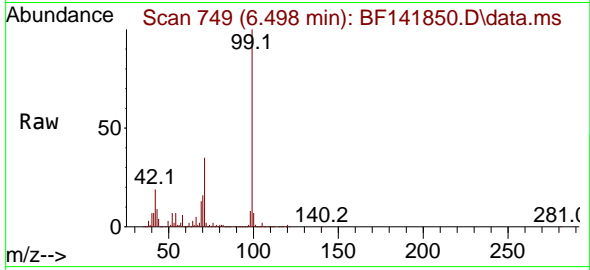




#7
 Phenol-d6
 Concen: 77.801 ng
 RT: 6.498 min Scan# 74
 Delta R.T. -0.012 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

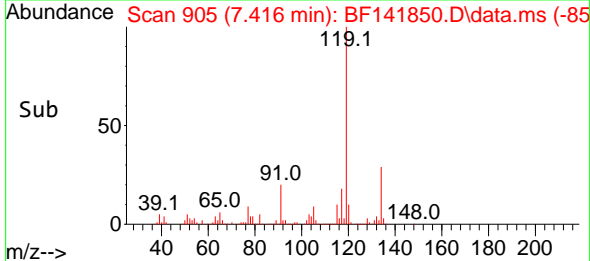
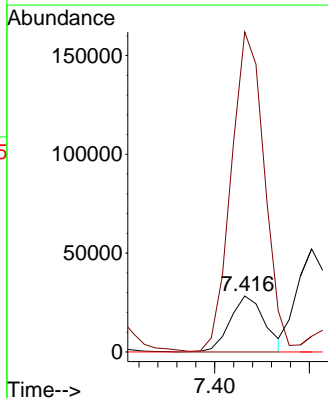
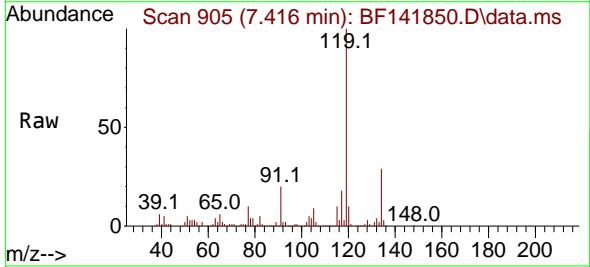
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 ClientSampleId :
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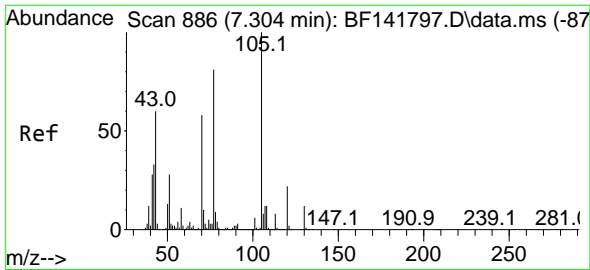
Tgt Ion: 99 Resp: 1185686
 Ion Ratio Lower Upper
 99 100
 42 18.6 15.2 22.8
 71 35.5 28.2 42.2



#18
 Hexachloroethane
 Concen: 7.014 ng
 RT: 7.416 min Scan# 905
 Delta R.T. 0.012 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

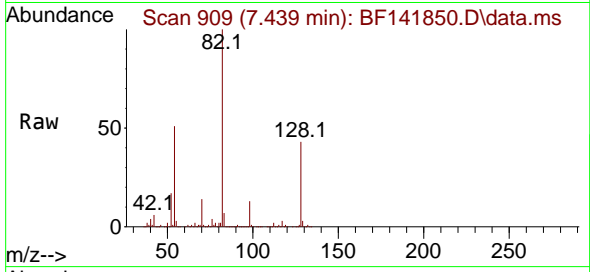
Tgt Ion: 117 Resp: 35880
 Ion Ratio Lower Upper
 117 100
 119 570.6 75.8 113.8#
 201 0.0 76.7 115.1#



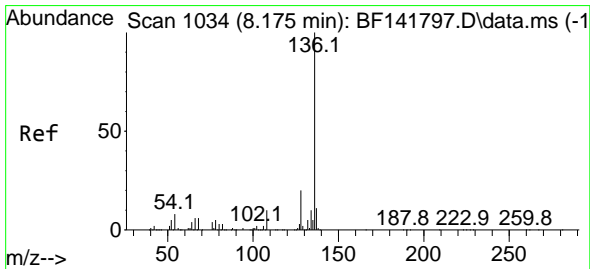
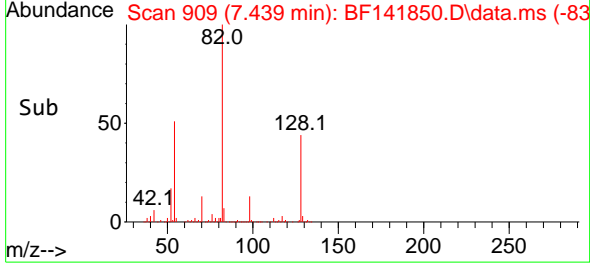
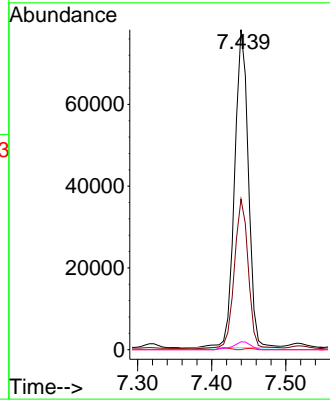


#19
 n-Nitroso-di-n-propylamine
 Concen: 10.037 ng
 RT: 7.439 min Scan# 90
 Delta R.T. 0.135 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

Instrument :
 BNA_F
 ClientSampleId :
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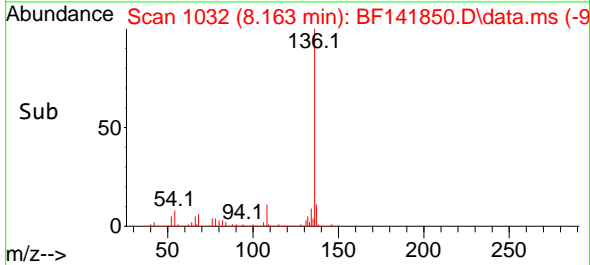
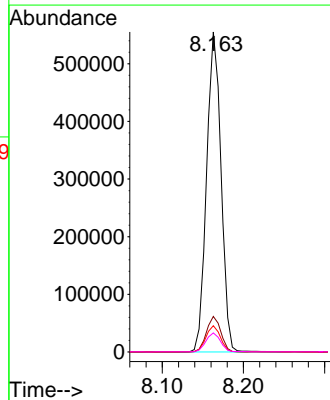
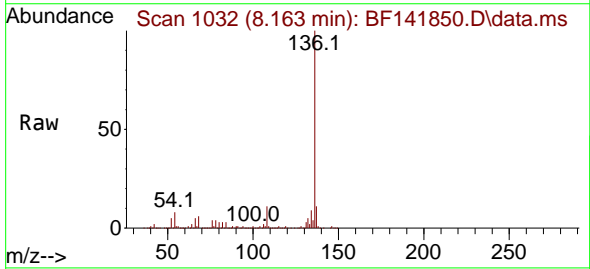


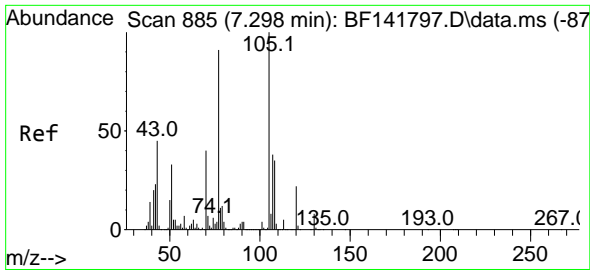
Tgt Ion: 70 Resp: 100554
 Ion Ratio Lower Upper
 70 100
 42 47.0 45.4 68.0
 101 0.0 7.8 11.8#
 130 2.5 16.6 24.8#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.163 min Scan# 1032
 Delta R.T. -0.012 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

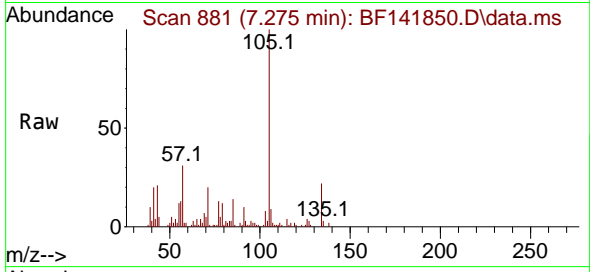
Tgt Ion: 136 Resp: 685186
 Ion Ratio Lower Upper
 136 100
 137 11.1 8.9 13.3
 54 8.2 6.9 10.3
 68 6.0 5.1 7.7





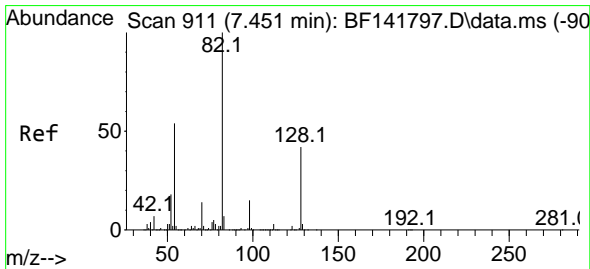
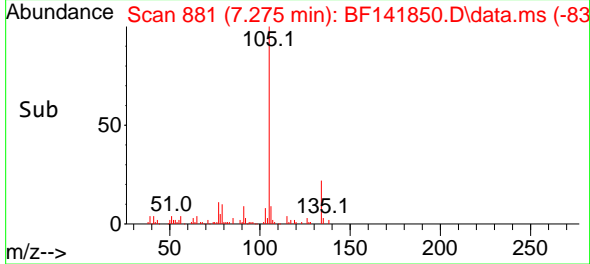
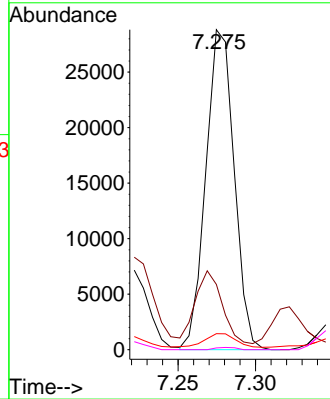
#22
 Acetophenone
 Concen: 2.197 ng
 RT: 7.275 min Scan# 881
 Delta R.T. -0.024 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

Instrument :
 BNA_F
 ClientSampleId :
 TP-3



Tgt Ion: 105 Resp: 36660

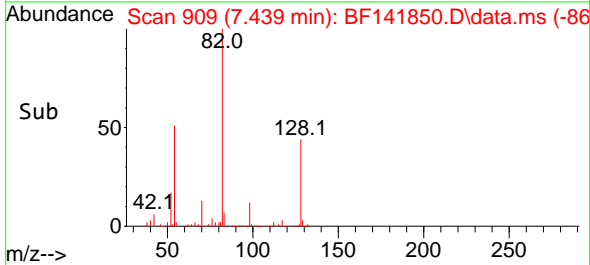
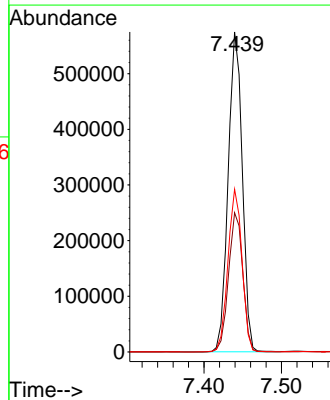
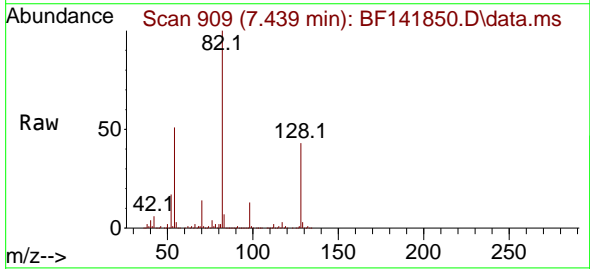
Ion	Ratio	Lower	Upper
105	100		
71	20.4	5.4	8.0#
51	5.0	26.1	39.1#
120	0.5	17.5	26.3#

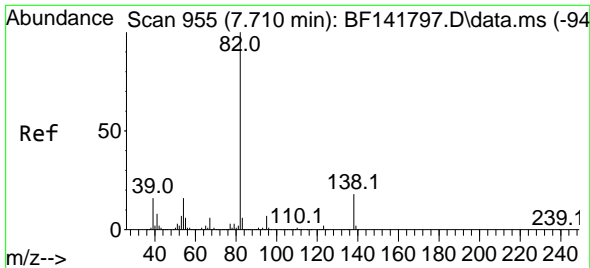


#23
 Nitrobenzene-d5
 Concen: 67.945 ng
 RT: 7.439 min Scan# 909
 Delta R.T. -0.012 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

Tgt Ion: 82 Resp: 728334

Ion	Ratio	Lower	Upper
82	100		
128	43.5	33.5	50.3
54	50.8	42.7	64.1



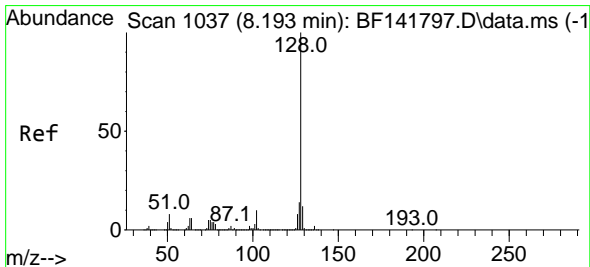
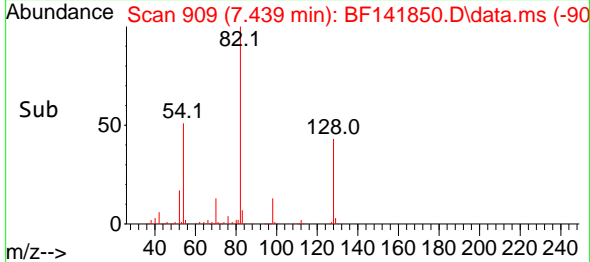
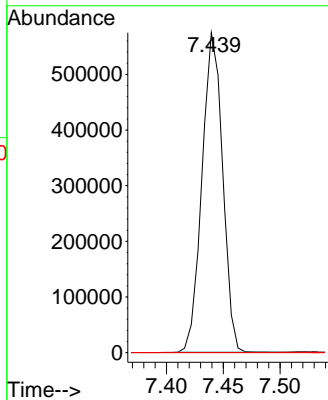
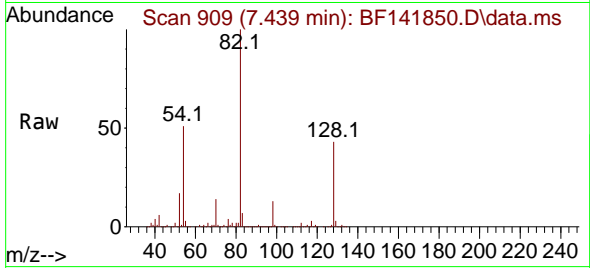


#25
 Isophorone
 Concen: 31.469 ng
 RT: 7.439 min Scan# 90
 Delta R.T. -0.271 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

Instrument :
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 ClientSampleId :
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Tgt Ion: 82 Resp: 724711

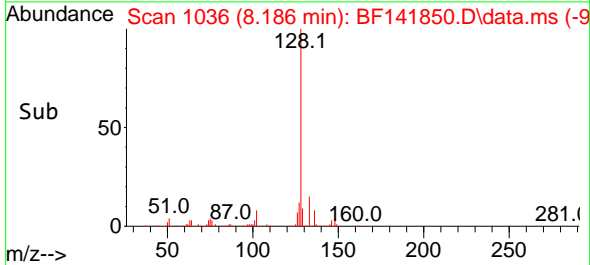
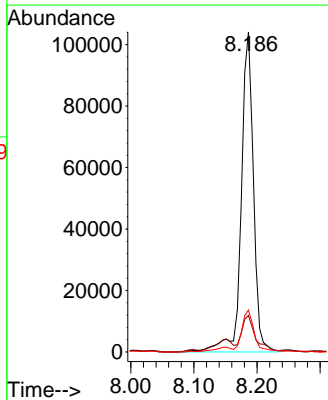
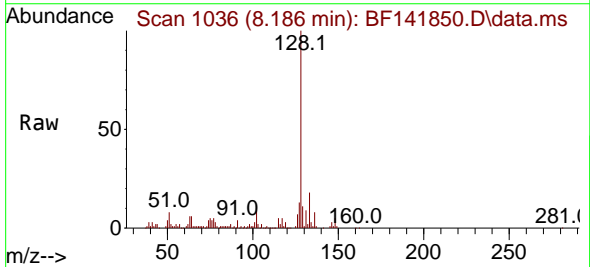
Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.8	8.8#
138	0.0	14.0	21.0#

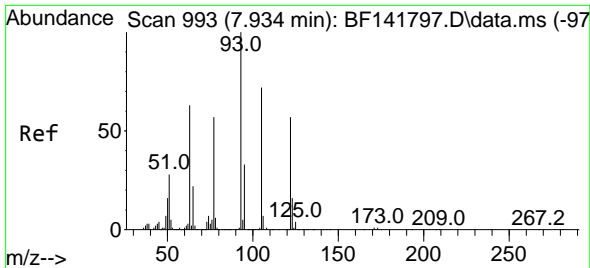


#31
 Naphthalene
 Concen: 3.979 ng
 RT: 8.186 min Scan# 1036
 Delta R.T. -0.006 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

Tgt Ion: 128 Resp: 140139

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.2	13.8
127	13.1	11.0	16.4

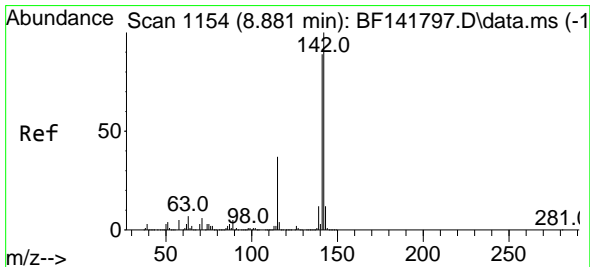
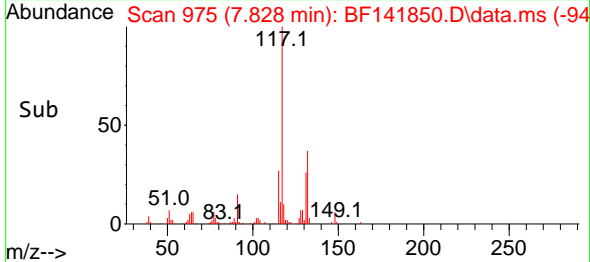
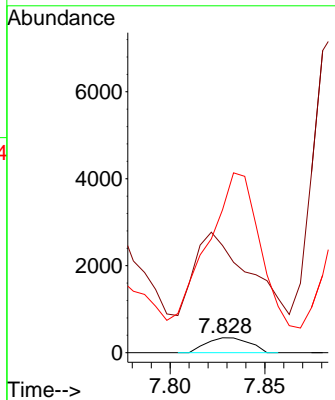
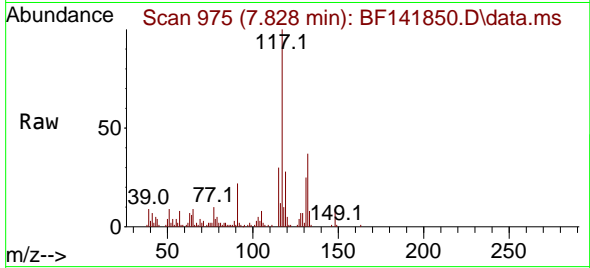




#32
 Benzoic acid
 Concen: 7.755 ng
 RT: 7.828 min Scan# 91
 Delta R.T. -0.106 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

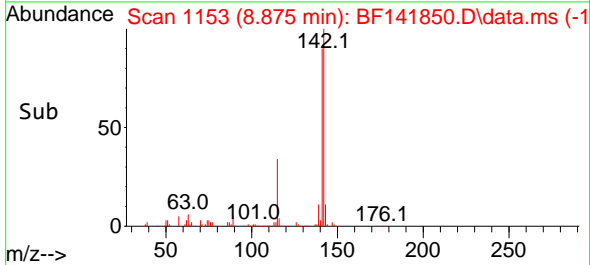
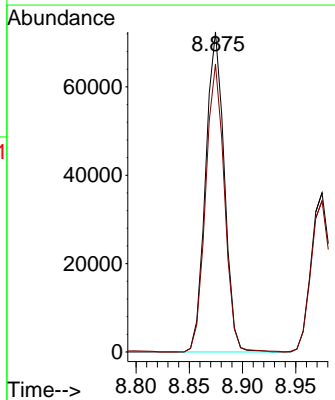
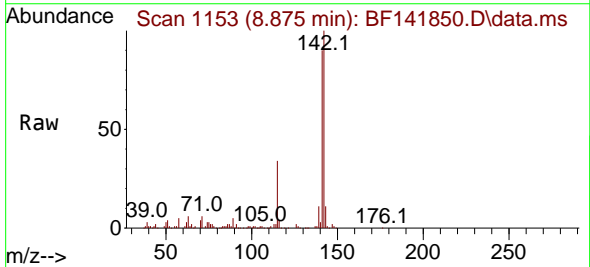
Instrument : BNA_F
 ClientSampleId : TP-3

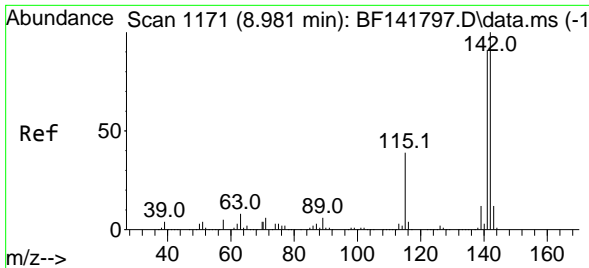
Tgt Ion	Resp	Lower	Upper
122	542		
105	719.2	105.8	145.8#
77	958.3	79.9	119.9#



#37
 2-Methylnaphthalene
 Concen: 3.832 ng
 RT: 8.875 min Scan# 1153
 Delta R.T. -0.006 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

Tgt Ion	Resp	Lower	Upper
142	88521		
141	90.0	71.1	106.7

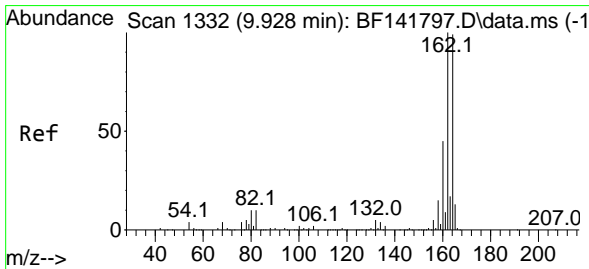
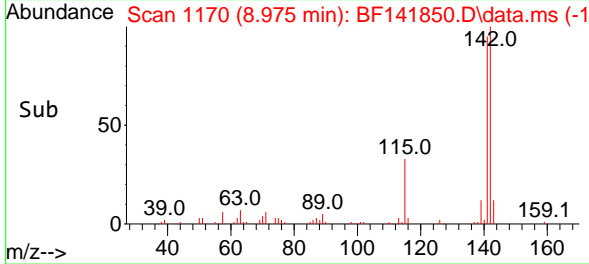
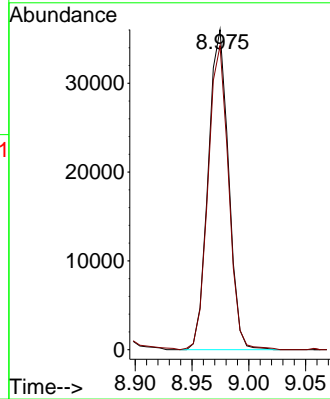
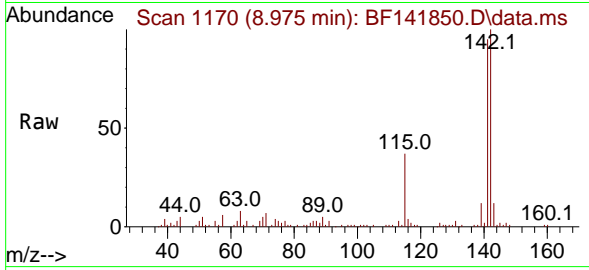




#38
 1-Methylnaphthalene
 Concen: 2.024 ng
 RT: 8.975 min Scan# 1170
 Delta R.T. -0.006 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

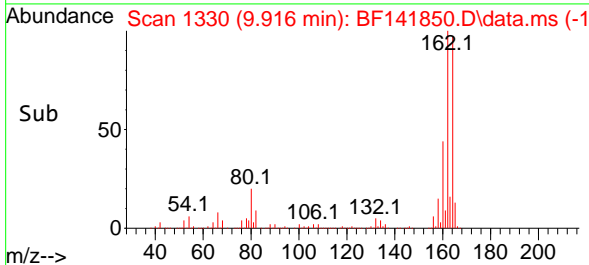
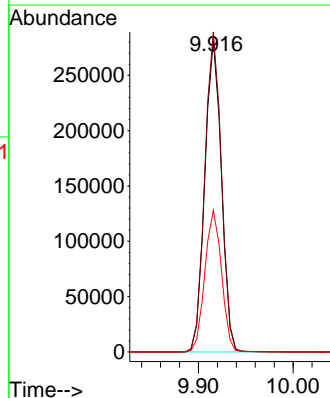
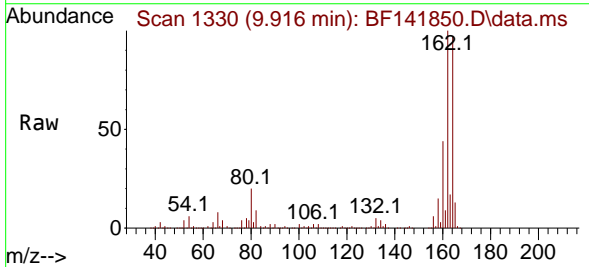
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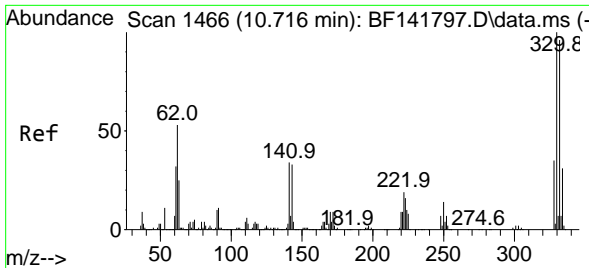
Tgt Ion:142 Resp: 44862
 Ion Ratio Lower Upper
 142 100
 141 95.0 73.1 109.7



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.916 min Scan# 1330
 Delta R.T. -0.012 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

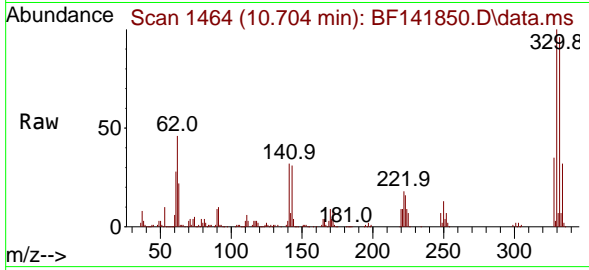
Tgt Ion:164 Resp: 340299
 Ion Ratio Lower Upper
 164 100
 162 102.8 80.6 120.8
 160 45.5 36.3 54.5





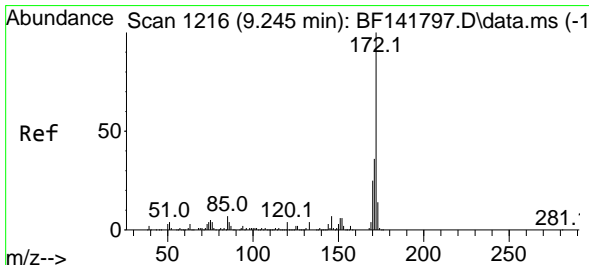
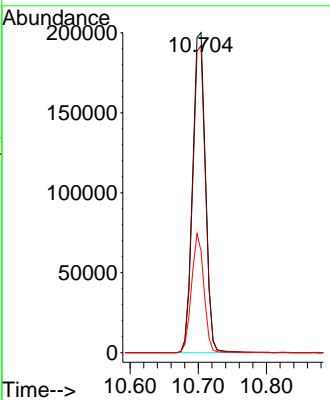
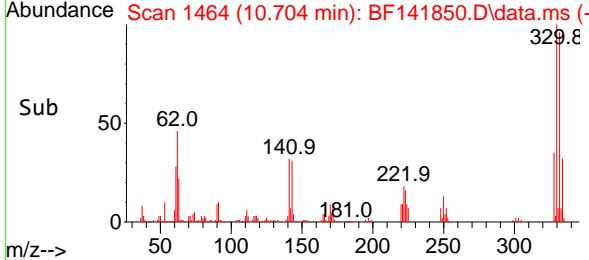
#42
 2,4,6-Tribromophenol
 Concen: 82.002 ng
 RT: 10.704 min Scan# 14
 Delta R.T. -0.012 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

Instrument : BNA_F
 ClientSampleId : TP-3

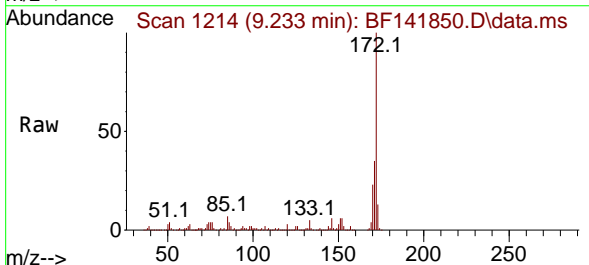


Tgt Ion: 330 Resp: 261979

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	115.0
141	35.7	29.0	43.4

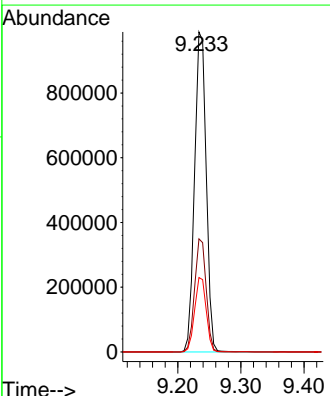
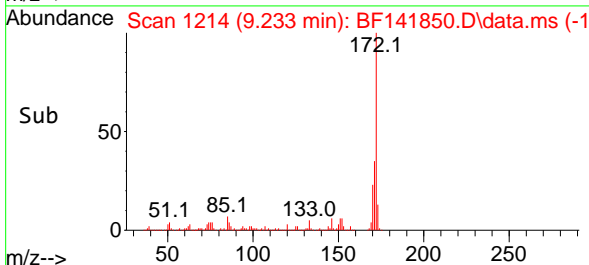


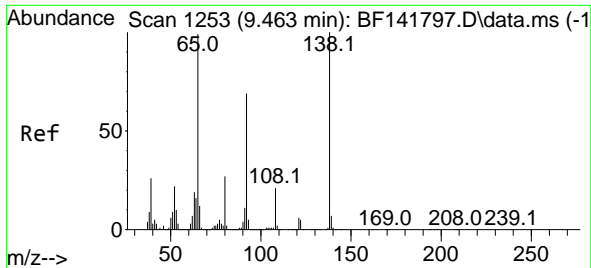
#45
 2-Fluorobiphenyl
 Concen: 59.681 ng
 RT: 9.233 min Scan# 1214
 Delta R.T. -0.012 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20



Tgt Ion: 172 Resp: 1266616

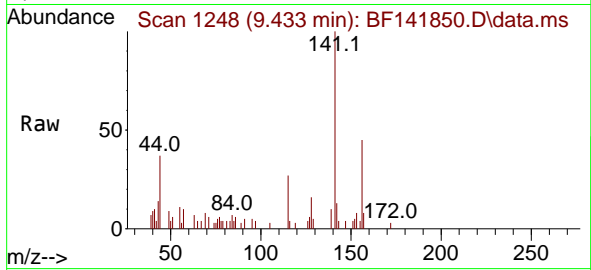
Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.2	43.8
170	23.3	19.7	29.5



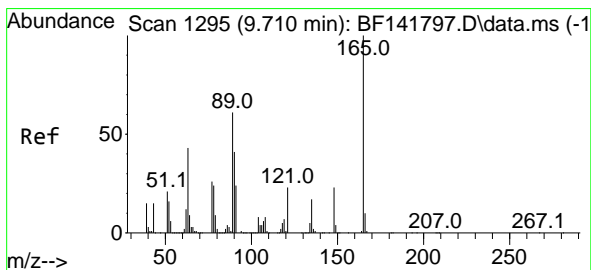
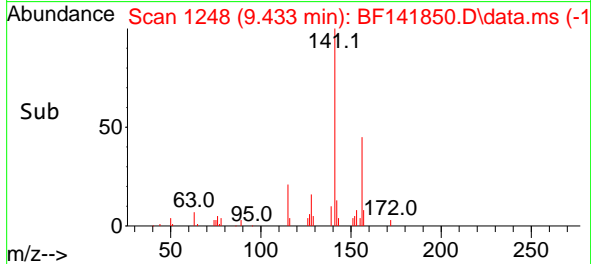
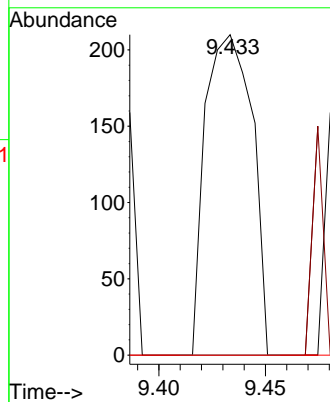


#48
 2-Nitroaniline
 Concen: 4.395 ng
 RT: 9.433 min Scan# 111
 Delta R.T. -0.030 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

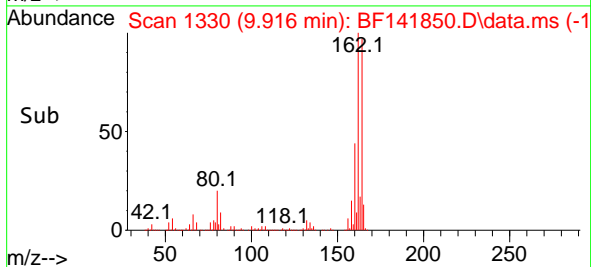
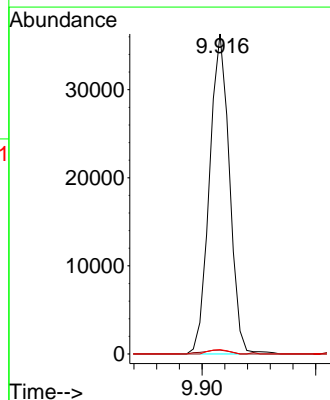
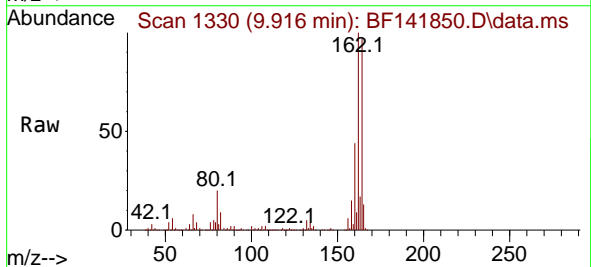


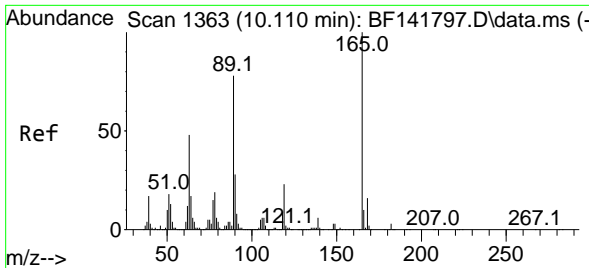
Tgt Ion: 65 Resp: 322
 Ion Ratio Lower Upper
 65 100
 92 0.0 55.7 83.5#
 138 0.0 80.6 121.0#



#51
 2,6-Dinitrotoluene
 Concen: 12.395 ng
 RT: 9.916 min Scan# 1330
 Delta R.T. 0.206 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

Tgt Ion: 165 Resp: 44317
 Ion Ratio Lower Upper
 165 100
 63 1.2 49.5 74.3#
 89 1.4 49.0 73.4#

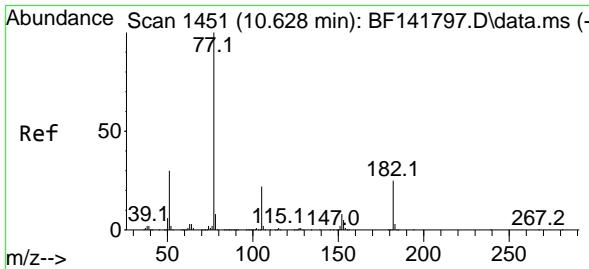
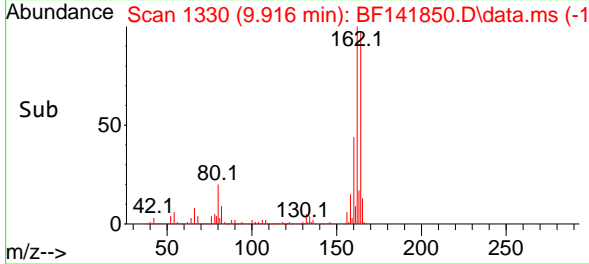
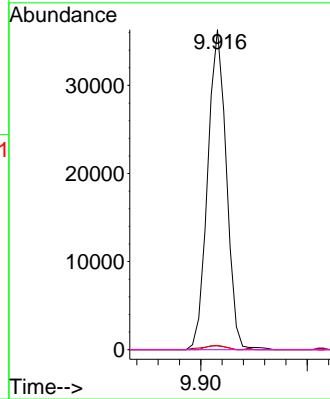
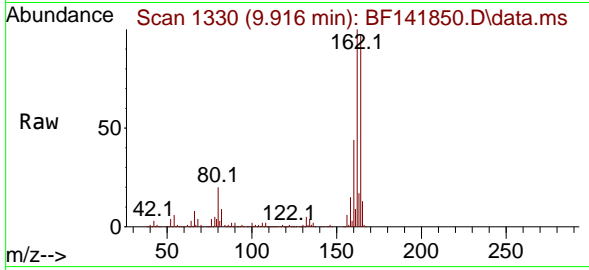




#57
 2,4-Dinitrotoluene
 Concen: 11.236 ng
 RT: 9.916 min Scan# 111
 Delta R.T. -0.194 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

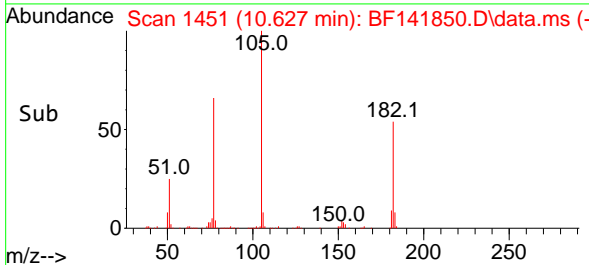
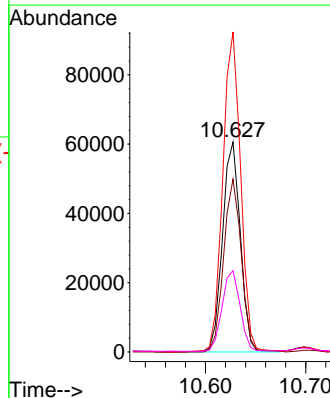
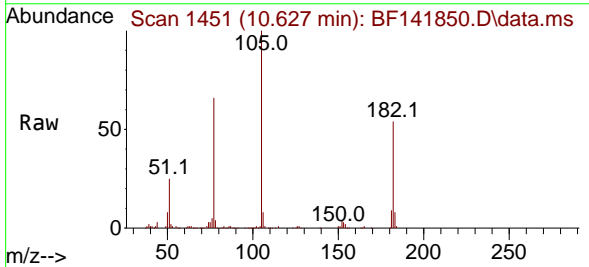
Instrument :
 BNA_F
 ClientSampleId :
 TP-3

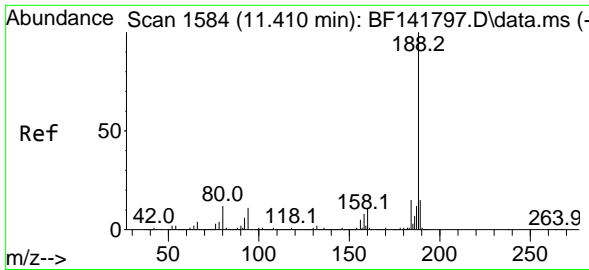
Tgt Ion	Resp	Lower	Upper
165	44318		
63	1.2	38.8	58.2#
89	1.4	62.6	94.0#
182	0.0	2.2	3.2#



#63
 Azobenzene
 Concen: 3.105 ng
 RT: 10.627 min Scan# 1451
 Delta R.T. -0.000 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

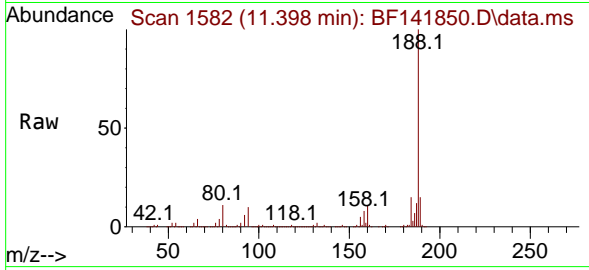
Tgt Ion	Resp	Lower	Upper
77	74686		
182	82.3	4.2	44.2#
105	152.5	1.5	41.5#
51	38.7	10.4	50.4





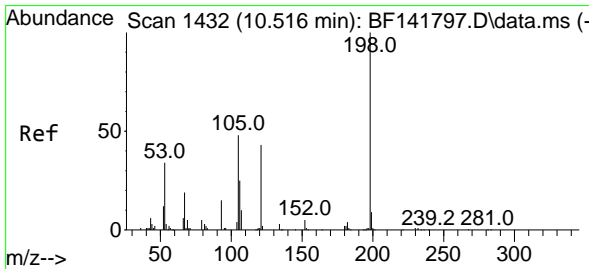
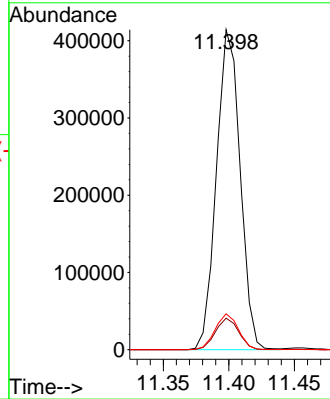
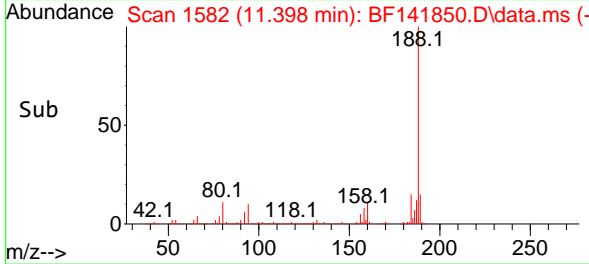
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.398 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

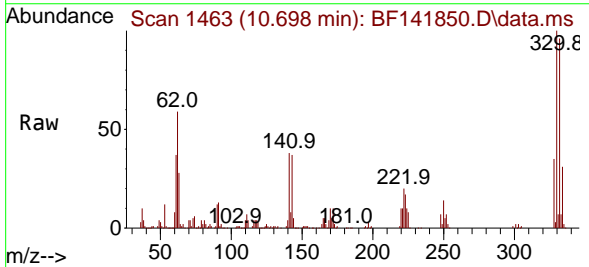


Tgt Ion:188 Resp: 520120

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.9	13.3
80	11.2	9.7	14.5

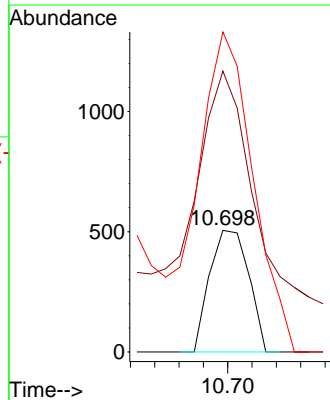
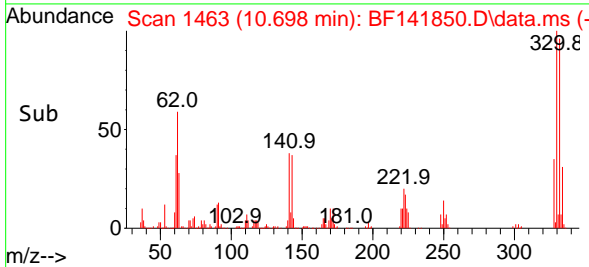


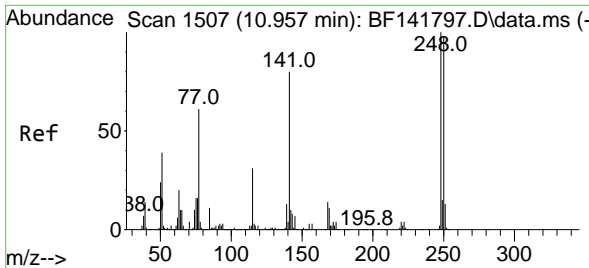
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.317 ng
 RT: 10.698 min Scan# 1463
 Delta R.T. 0.182 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20



Tgt Ion:198 Resp: 563

Ion	Ratio	Lower	Upper
198	100		
51	230.8	32.1	72.1#
105	263.0	28.5	68.5#



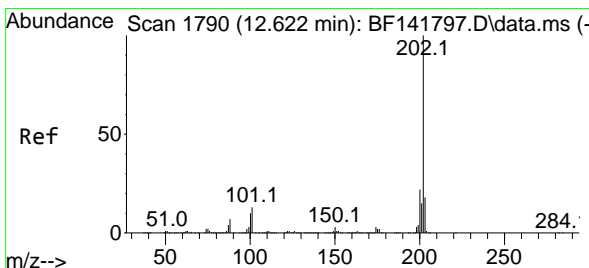
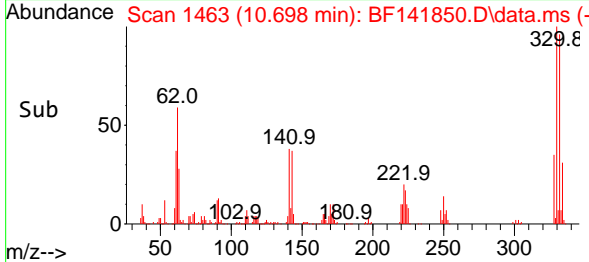
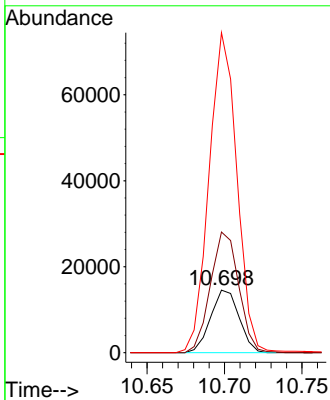
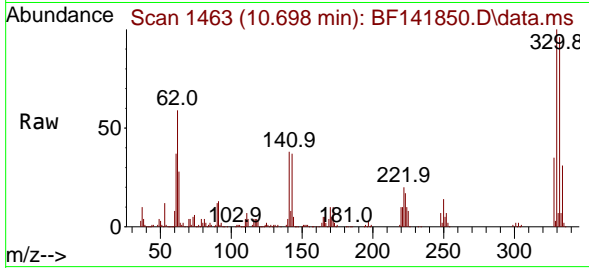


#67
 4-Bromophenyl-phenylether
 Concen: 3.063 ng
 RT: 10.698 min Scan# 14
 Delta R.T. -0.259 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tgt Ion:248 Resp: 18610

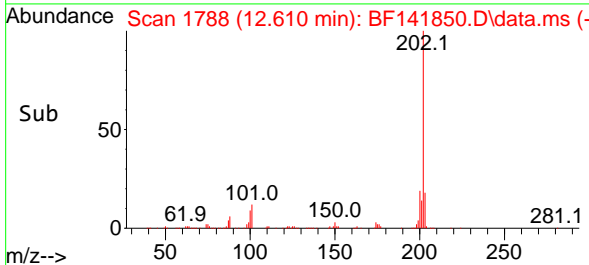
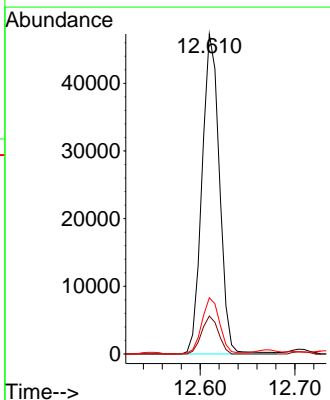
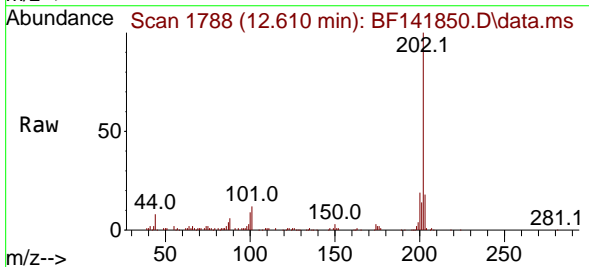
Ion	Ratio	Lower	Upper
248	100		
250	193.1	78.1	117.1#
141	512.0	64.3	96.5#

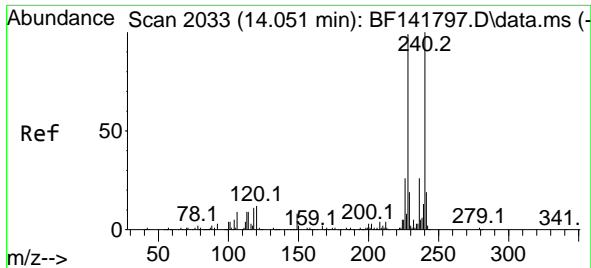


#75
 Fluoranthene
 Concen: 2.122 ng
 RT: 12.610 min Scan# 1788
 Delta R.T. -0.012 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

Tgt Ion:202 Resp: 60479

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	32.8
203	17.6	0.0	38.0



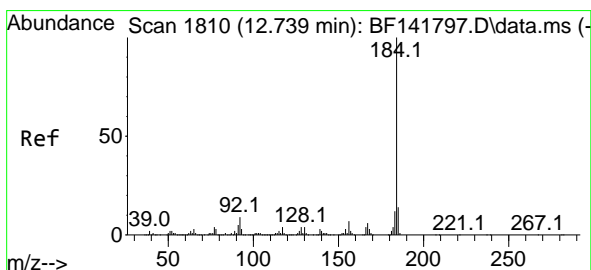
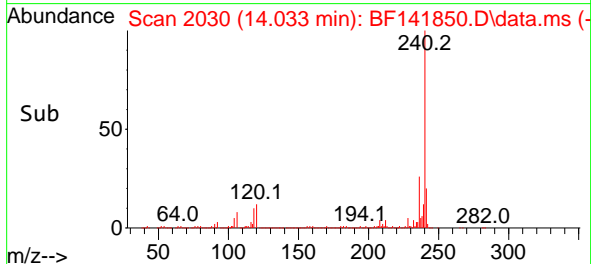
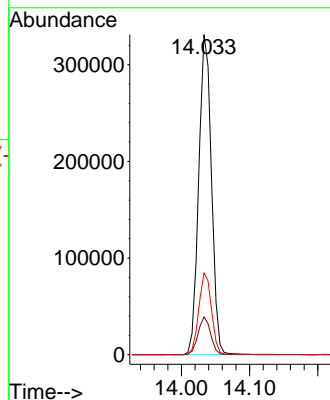
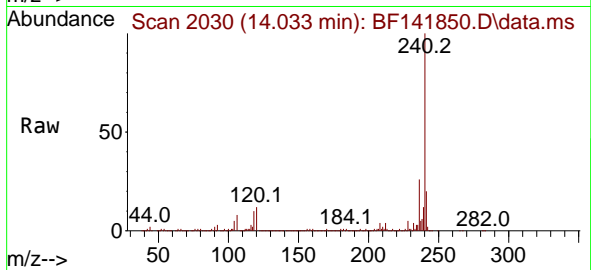


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.033 min Scan# 2030
 Delta R.T. -0.018 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tgt Ion:240 Resp: 429467

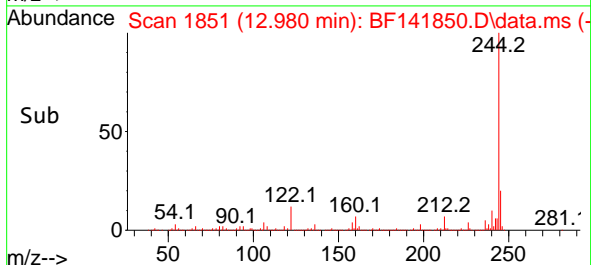
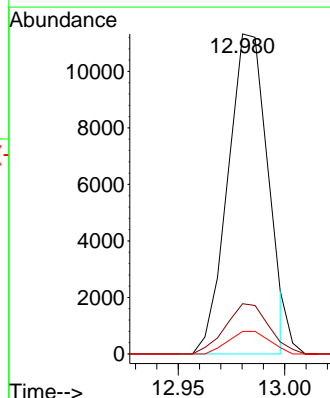
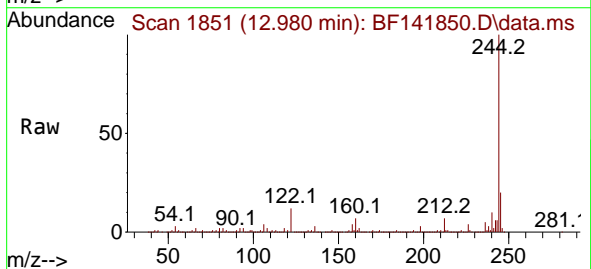
Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.7	14.5
236	25.5	21.0	31.4

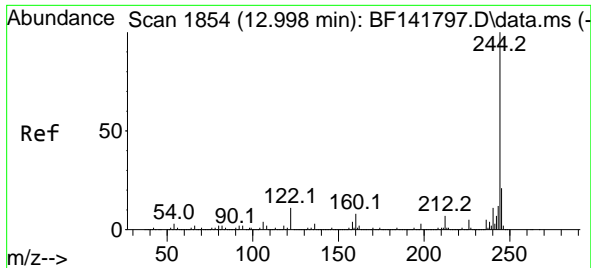


#77
 Benzdine
 Concen: 2.732 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. 0.241 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

Tgt Ion:184 Resp: 14766

Ion	Ratio	Lower	Upper
184	100		
185	15.7	11.6	17.4
183	7.1	9.4	14.0#

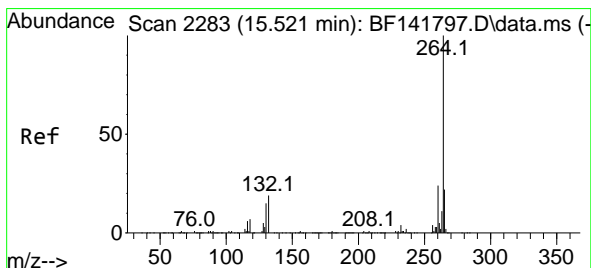
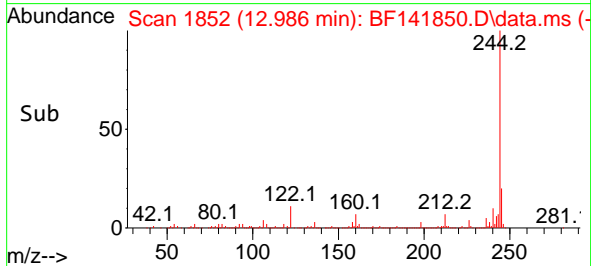
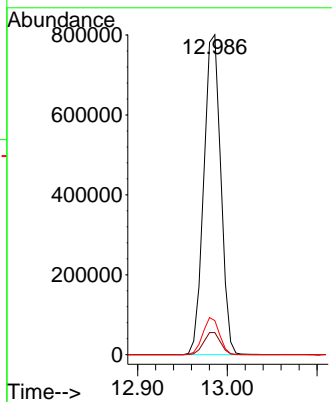
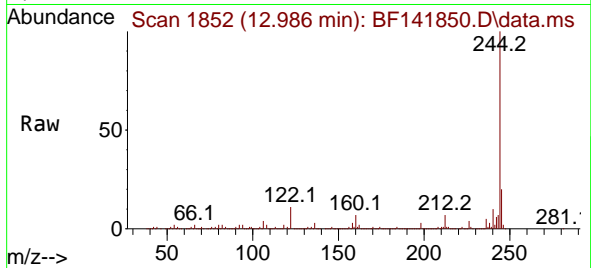




#79
 Terphenyl-d14
 Concen: 39.669 ng
 RT: 12.986 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

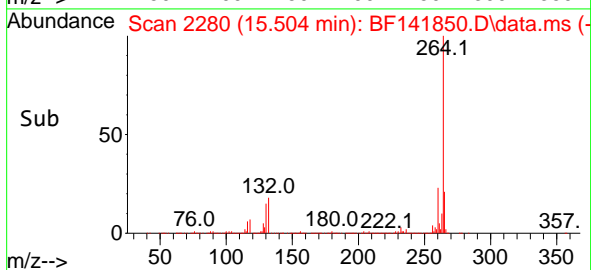
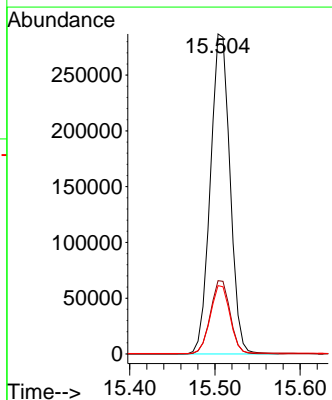
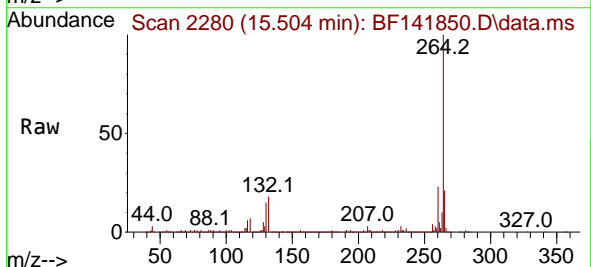
Instrument :
 BNA_F
 ClientSampleId :
 TP-3

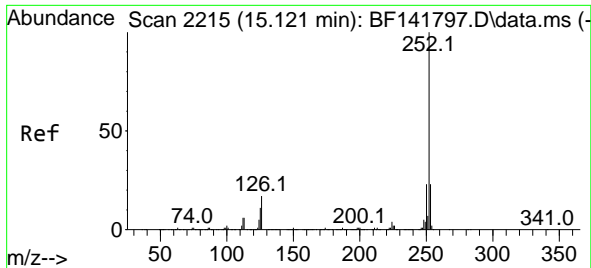
Tgt Ion:244 Resp: 1052980
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 10.7 9.0 13.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 2280
 Delta R.T. -0.018 min
 Lab File: BF141850.D
 Acq: 05 Mar 2025 18:20

Tgt Ion:264 Resp: 459011
 Ion Ratio Lower Upper
 264 100
 260 22.9 18.9 28.3
 265 21.4 17.4 26.0





#89

Benzo(k)fluoranthene

Concen: 2.010 ng

RT: 15.074 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF141850.D

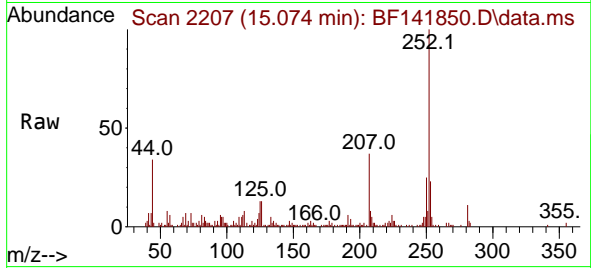
Acq: 05 Mar 2025 18:20

Instrument :

BNA_F

ClientSampleId :

TP-3



Tgt Ion:252 Resp: 53408

Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.8

125 13.0 8.8 13.2

