

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110625\
 Data File : BF144194.D
 Acq On : 06 Nov 2025 18:23
 Operator : RC/JU
 Sample : Q3552-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-3

Quant Time: Nov 07 00:01:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

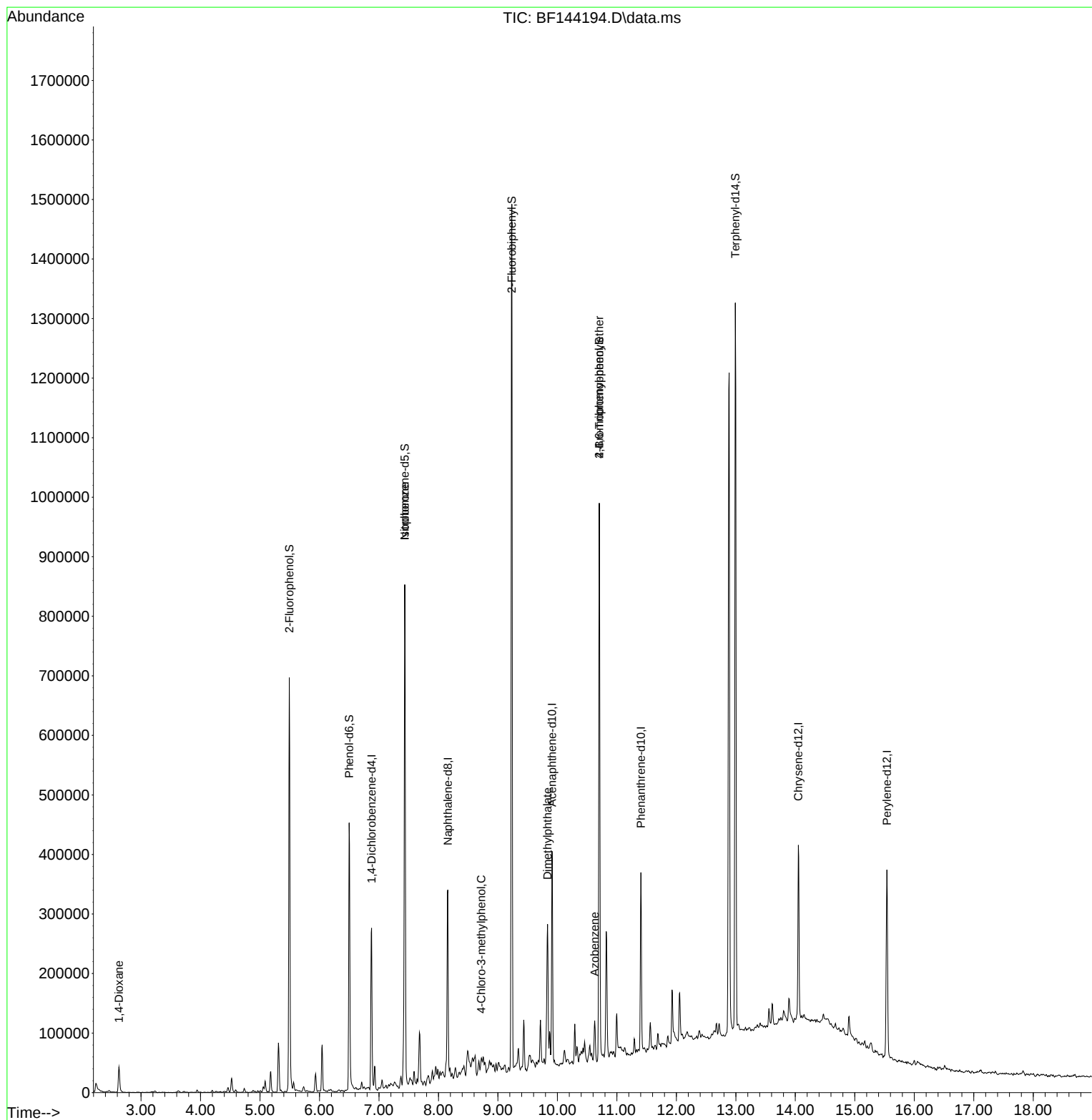
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	58210	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	208798	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	105364	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	159603	20.000	ng	0.00
76) Chrysene-d12	14.051	240	155174	20.000	ng	0.00
86) Perylene-d12	15.539	264	204734	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	274834	73.884	ng	0.00
7) Phenol-d6	6.498	99	205741	48.814	ng	0.00
23) Nitrobenzene-d5	7.434	82	342614	94.769	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	172047	130.122	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	699695	98.079	ng	0.00
79) Terphenyl-d14	12.992	244	657689	67.323	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.628	88	22710	14.767	ng	# 93
25) Isophorone	7.434	82	342608	50.102	ng	# 66
36) 4-Chloro-3-methylphenol	8.722	107	6414	2.132	ng	# 19
50) Dimethylphthalate	9.833	163	127628	18.284	ng	# 93
63) Azobenzene	10.628	77	14976	2.501	ng	# 1
67) 4-Bromophenyl-phenylether	10.704	248	10420	5.115	ng	# 1

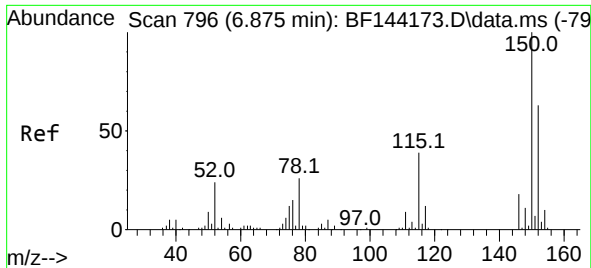
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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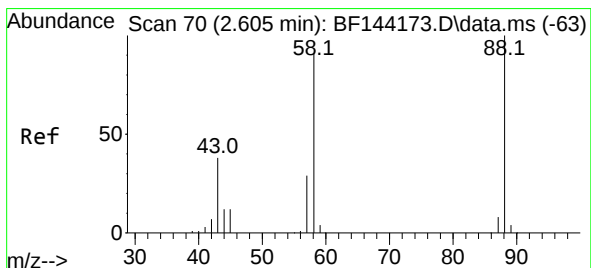
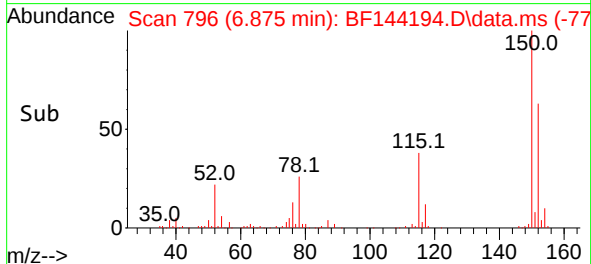
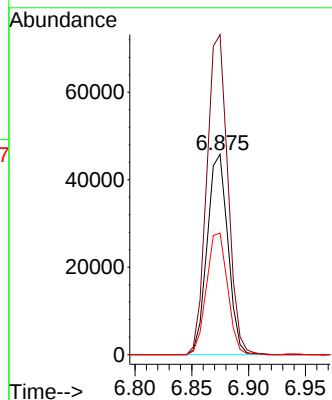
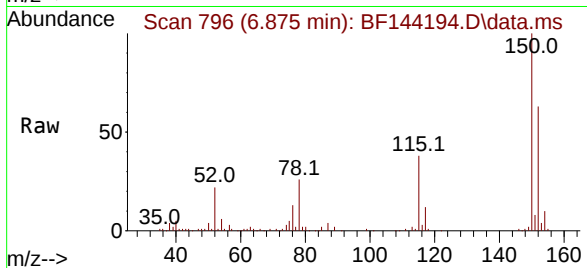




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 74
 Delta R.T. -0.000 min
 Lab File: BF144194.D
 Acq: 06 Nov 2025 18:23

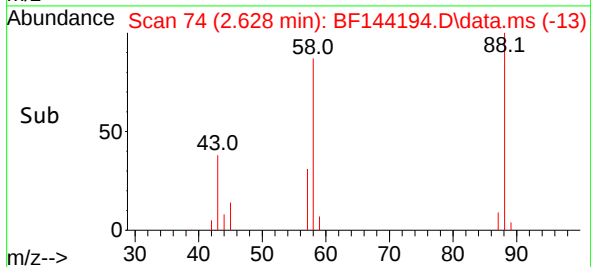
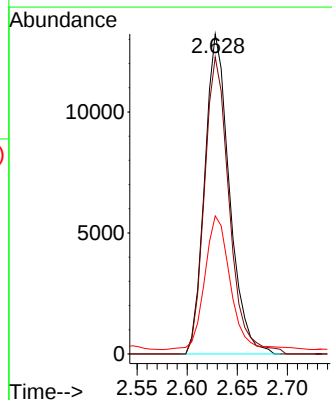
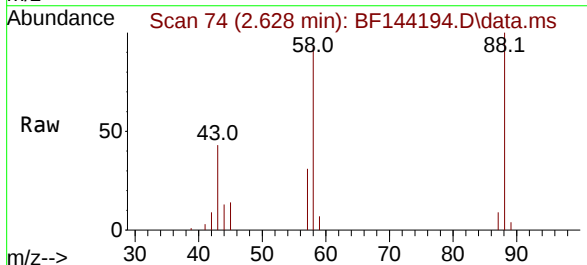
Instrument :
 BNA_F
 ClientSampleId :
 MW-3

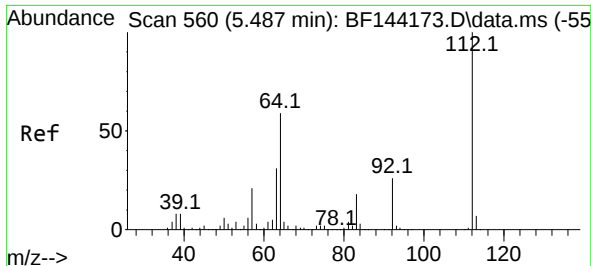
Tgt Ion:152 Resp: 58210
 Ion Ratio Lower Upper
 152 100
 150 159.7 127.4 191.0
 115 60.7 49.5 74.3



#2
 1,4-Dioxane
 Concen: 14.767 ng
 RT: 2.628 min Scan# 74
 Delta R.T. 0.012 min
 Lab File: BF144194.D
 Acq: 06 Nov 2025 18:23

Tgt Ion: 88 Resp: 22710
 Ion Ratio Lower Upper
 88 100
 58 92.7 73.1 109.7
 43 51.3 31.0 46.6

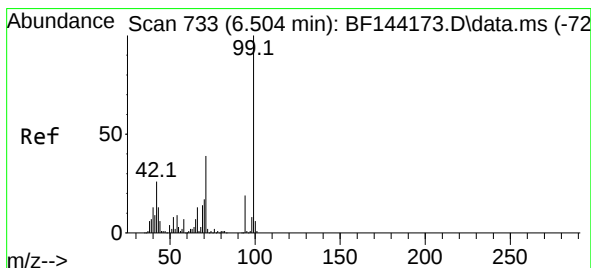
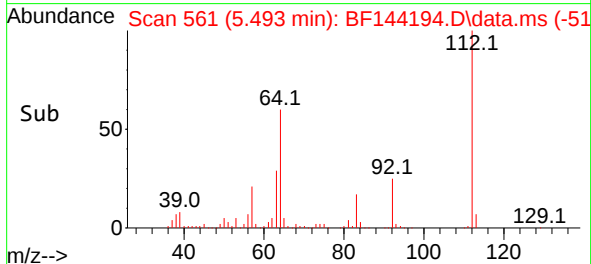
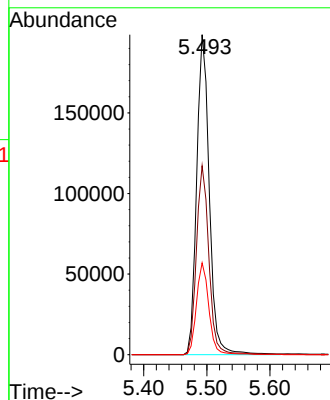
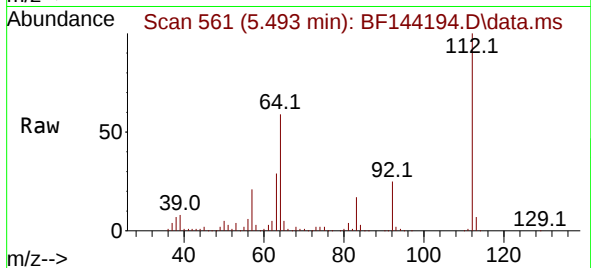




#5
2-Fluorophenol
Concen: 73.884 ng
RT: 5.493 min Scan# 50
Delta R.T. -0.000 min
Lab File: BF144194.D
Acq: 06 Nov 2025 18:23

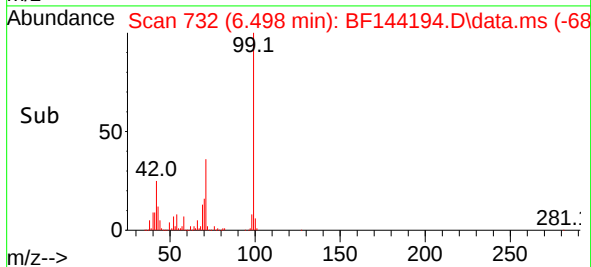
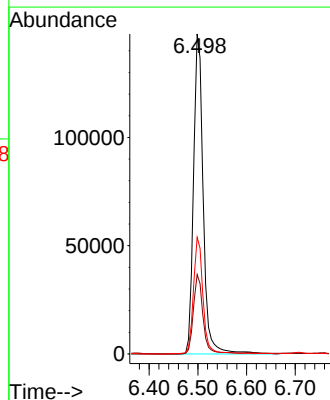
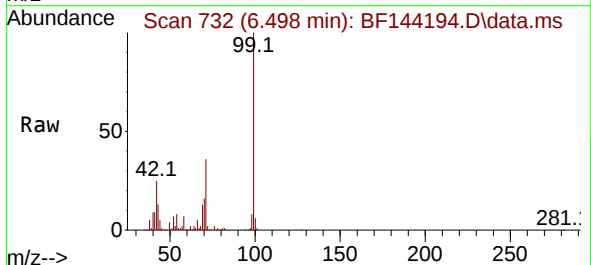
Instrument :
BNA_F
ClientSampleId :
MW-3

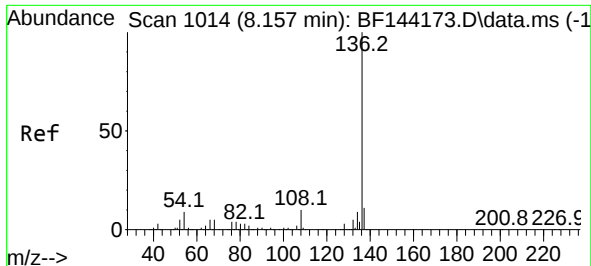
Tgt Ion:112 Resp: 274834
Ion Ratio Lower Upper
112 100
64 59.1 47.2 70.8
63 28.7 24.4 36.6



#7
Phenol-d6
Concen: 48.814 ng
RT: 6.498 min Scan# 732
Delta R.T. -0.000 min
Lab File: BF144194.D
Acq: 06 Nov 2025 18:23

Tgt Ion: 99 Resp: 205741
Ion Ratio Lower Upper
99 100
42 24.8 20.9 31.3
71 36.4 31.4 47.2



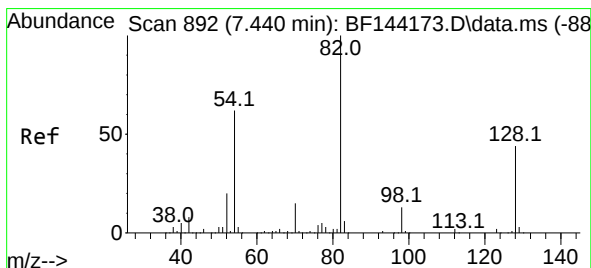
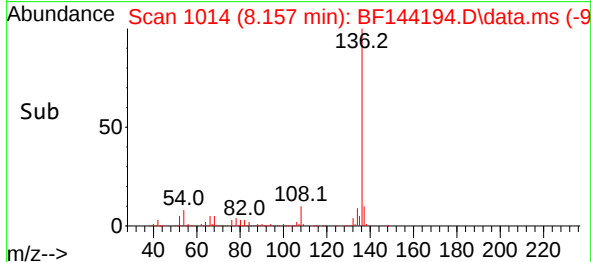
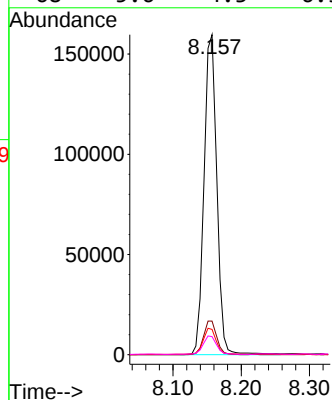
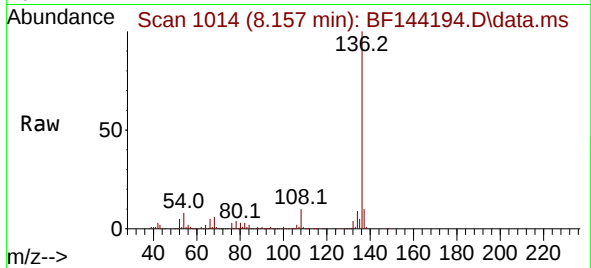


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BF144194.D
Acq: 06 Nov 2025 18:23

Instrument :
BNA_F
ClientSampleId :
MW-3

Tgt Ion:136 Resp: 208798

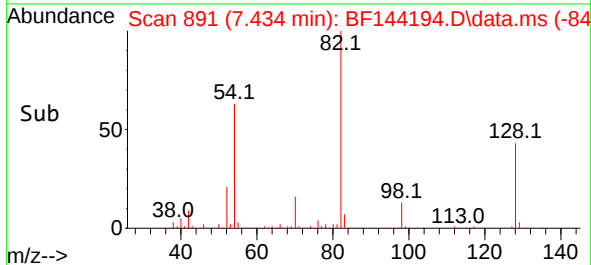
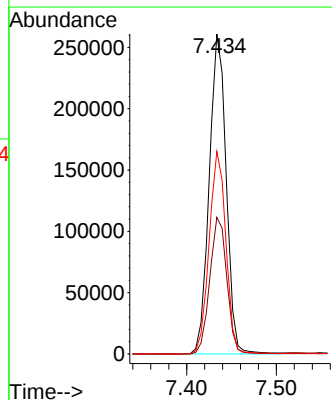
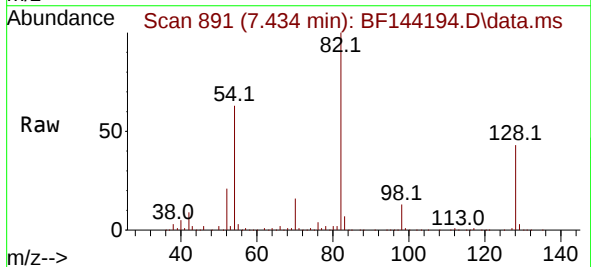
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.6	13.0
54	7.9	7.0	10.6
68	5.6	4.3	6.5

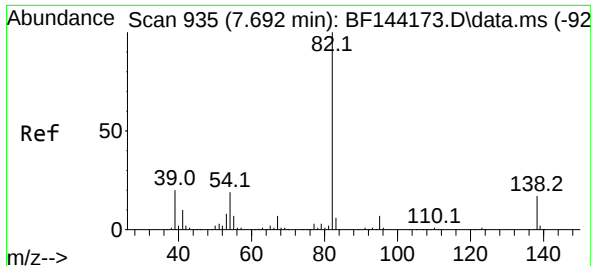


#23
Nitrobenzene-d5
Concen: 94.769 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF144194.D
Acq: 06 Nov 2025 18:23

Tgt Ion: 82 Resp: 342614

Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.7	52.1
54	63.3	49.5	74.3

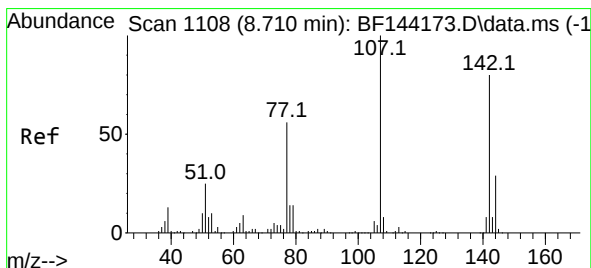
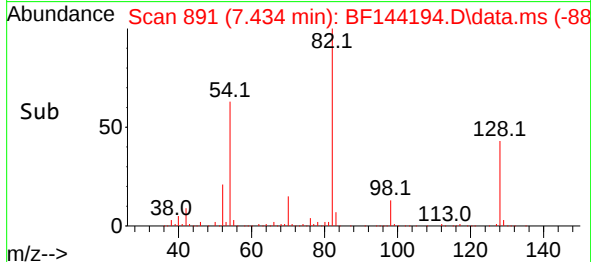
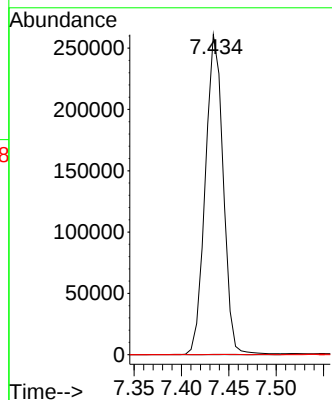
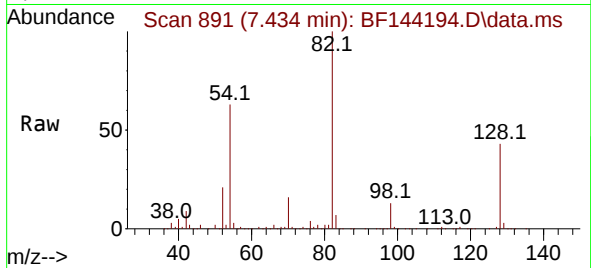




#25
Isophorone
Concen: 50.102 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.253 min
Lab File: BF144194.D
Acq: 06 Nov 2025 18:23

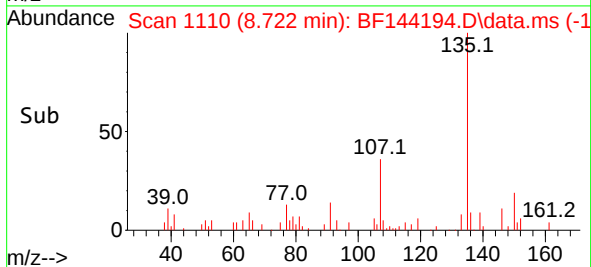
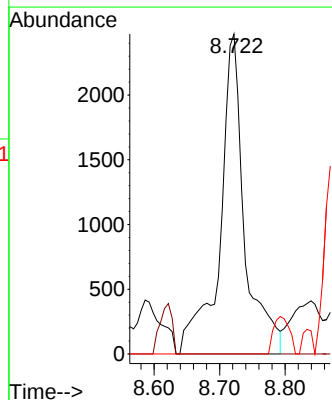
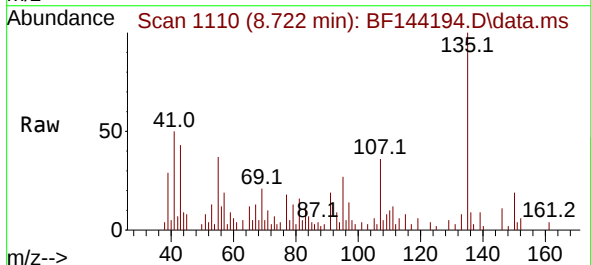
Instrument :
BNA_F
ClientSampleId :
MW-3

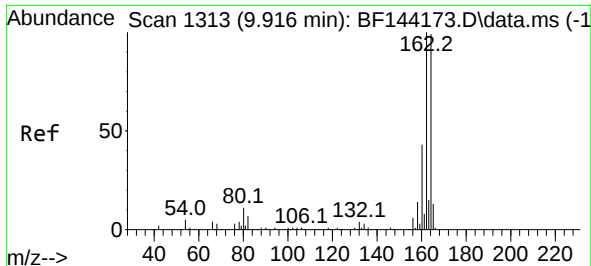
Tgt Ion: 82 Resp: 342608
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 13.7 20.5#



#36
4-Chloro-3-methylphenol
Concen: 2.132 ng
RT: 8.722 min Scan# 1110
Delta R.T. 0.018 min
Lab File: BF144194.D
Acq: 06 Nov 2025 18:23

Tgt Ion:107 Resp: 6414
Ion Ratio Lower Upper
107 100
144 0.0 23.3 34.9#
142 0.0 63.8 95.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF144194.D

Acq: 06 Nov 2025 18:23

Instrument :

BNA_F

ClientSampleId :

MW-3

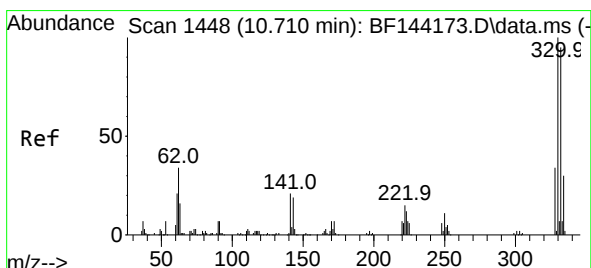
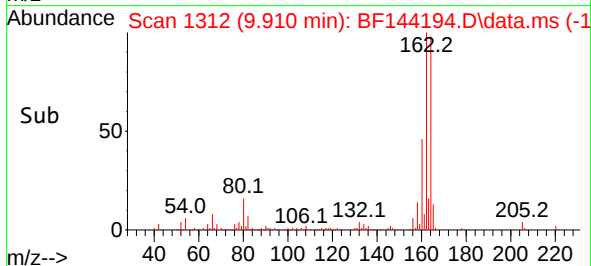
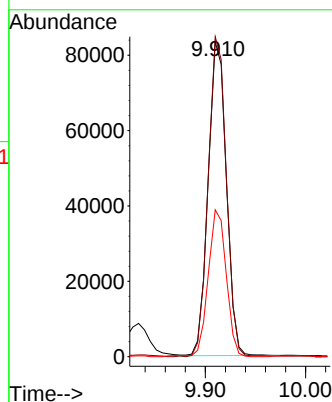
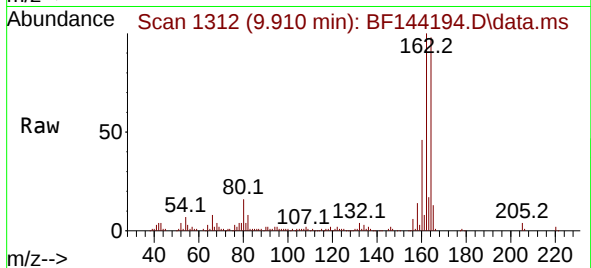
Tgt Ion:164 Resp: 105364

Ion Ratio Lower Upper

164 100

162 101.7 81.1 121.7

160 46.7 34.5 51.7



#42

2,4,6-Tribromophenol

Concen: 130.122 ng

RT: 10.704 min Scan# 1447

Delta R.T. -0.000 min

Lab File: BF144194.D

Acq: 06 Nov 2025 18:23

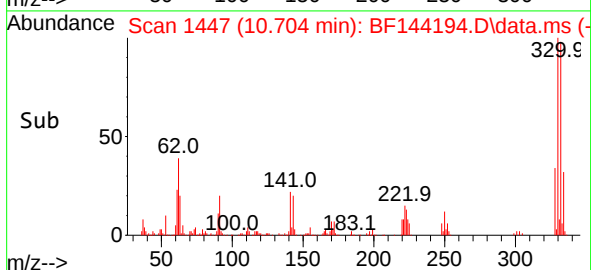
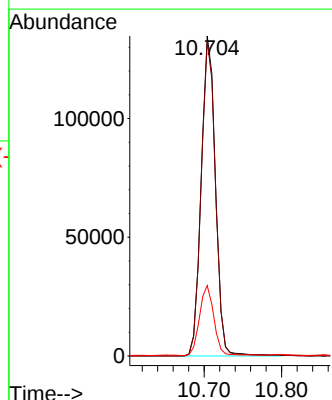
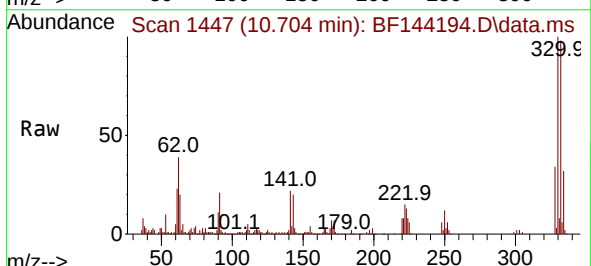
Tgt Ion:330 Resp: 172047

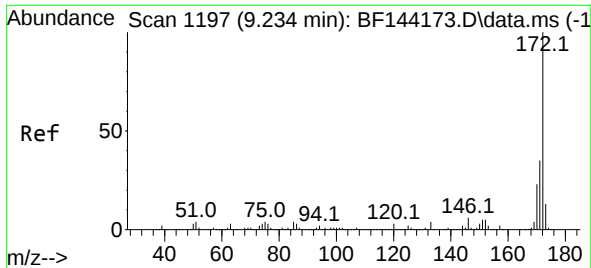
Ion Ratio Lower Upper

330 100

332 98.4 76.7 115.1

141 22.1 17.8 26.8

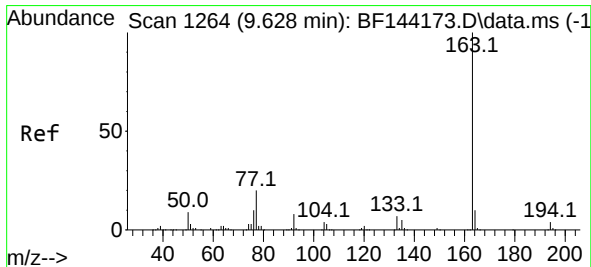
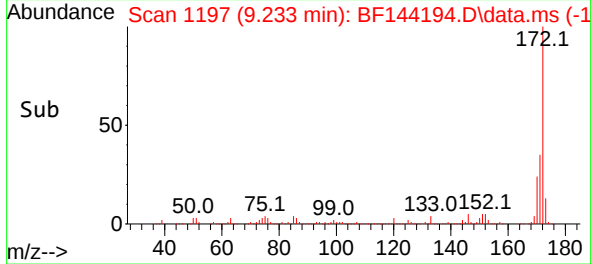
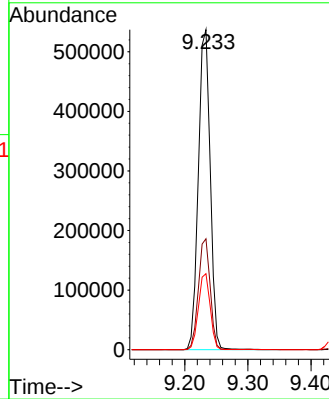
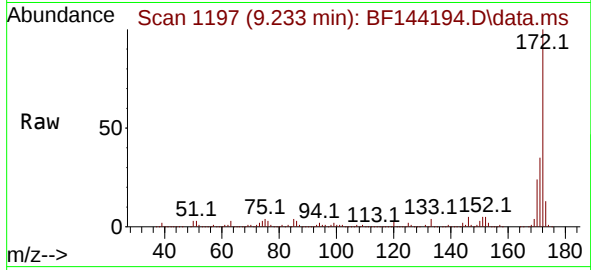




#45
2-Fluorobiphenyl
Concen: 98.079 ng
RT: 9.233 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF144194.D
Acq: 06 Nov 2025 18:23

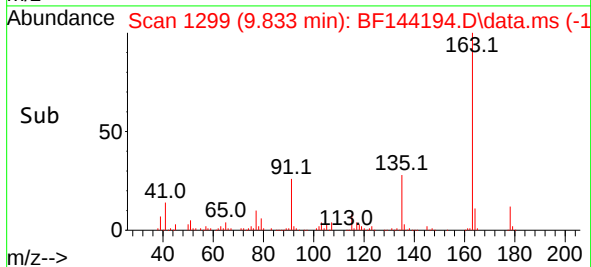
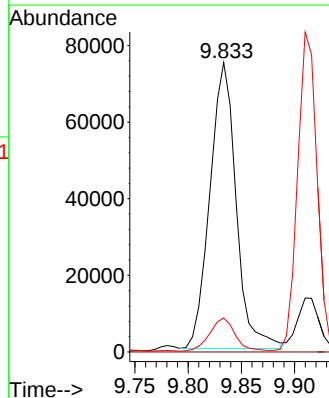
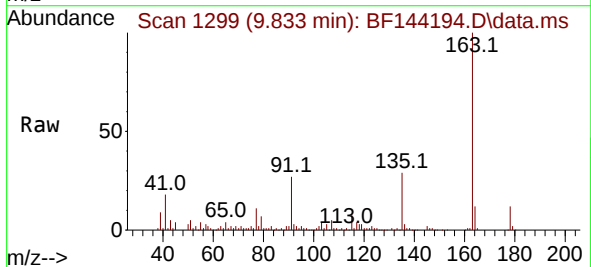
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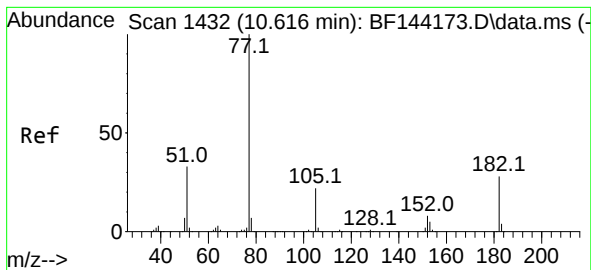
Tgt Ion:172 Resp: 699695
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.8 18.6 28.0



#50
Dimethylphthalate
Concen: 18.284 ng
RT: 9.833 min Scan# 1299
Delta R.T. 0.206 min
Lab File: BF144194.D
Acq: 06 Nov 2025 18:23

Tgt Ion:163 Resp: 127628
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 11.7 8.1 12.1





#63

Azobenzene

Concen: 2.501 ng

RT: 10.628 min Scan# 1432

Delta R.T. 0.012 min

Lab File: BF144194.D

Acq: 06 Nov 2025 18:23

Instrument :

BNA_F

ClientSampleId :

MW-3

Tgt Ion: 77 Resp: 14976

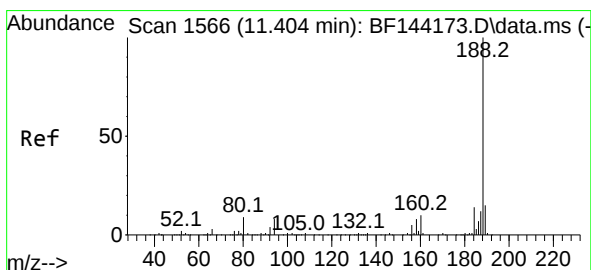
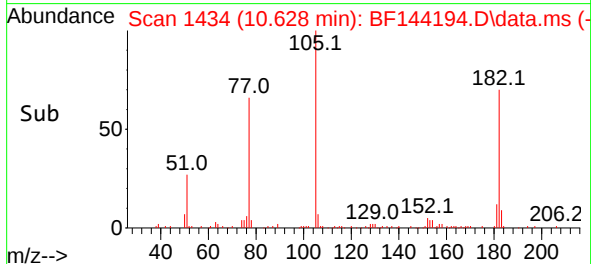
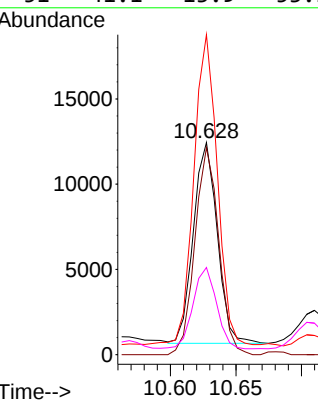
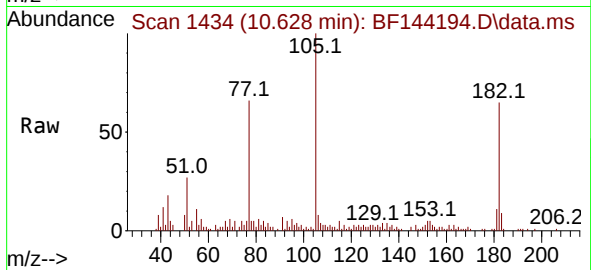
Ion Ratio Lower Upper

77 100

182 97.6 8.1 48.1#

105 150.8 2.0 42.0#

51 41.1 13.9 53.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.000 min

Lab File: BF144194.D

Acq: 06 Nov 2025 18:23

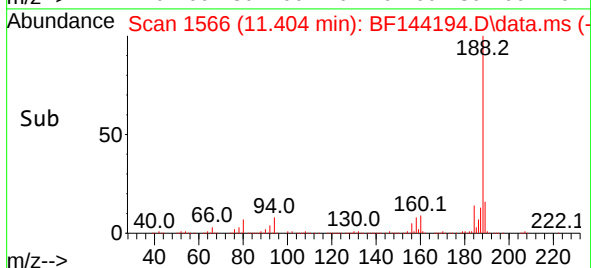
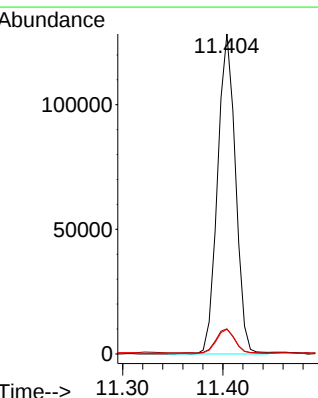
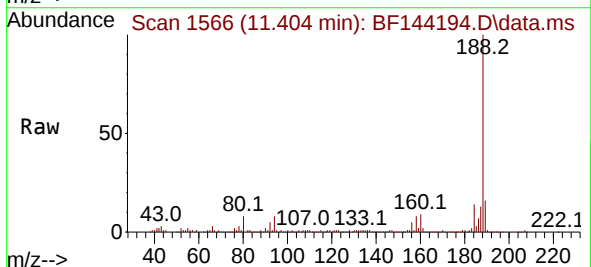
Tgt Ion: 188 Resp: 159603

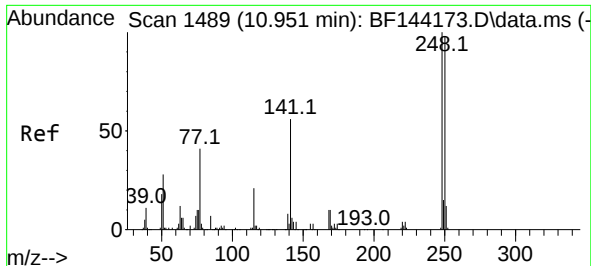
Ion Ratio Lower Upper

188 100

94 7.9 6.2 9.2

80 7.7 6.9 10.3

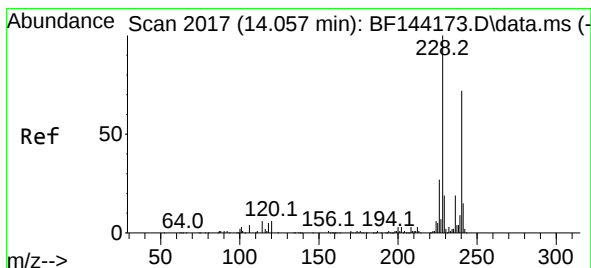
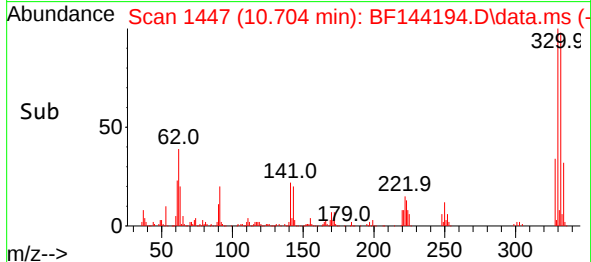
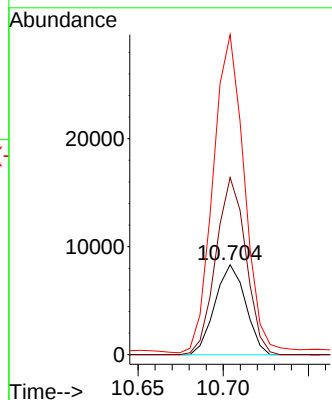
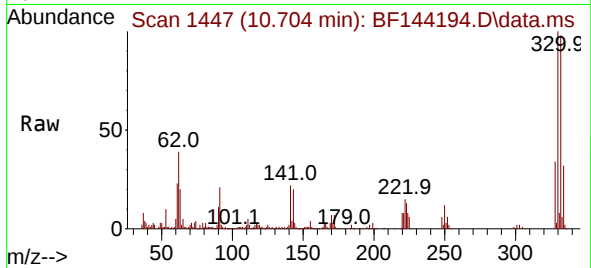




#67
4-Bromophenyl-phenylether
Concen: 5.115 ng
RT: 10.704 min Scan# 1489
Delta R.T. -0.241 min
Lab File: BF144194.D
Acq: 06 Nov 2025 18:23

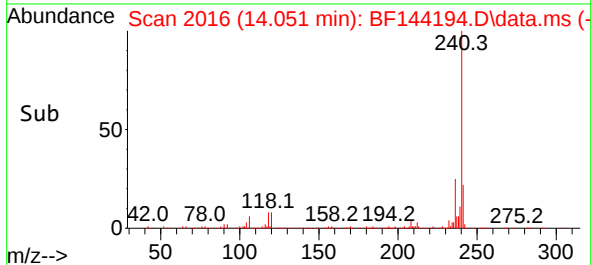
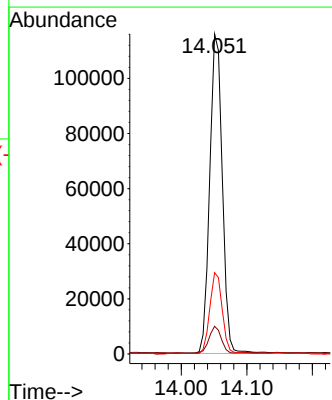
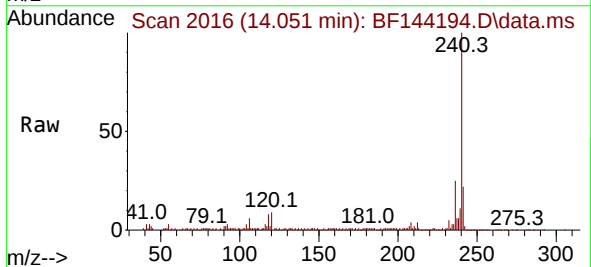
Instrument :
BNA_F
ClientSampleId :
MW-3

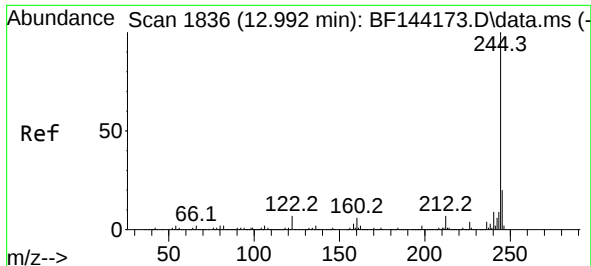
Tgt Ion:248 Resp: 10420
Ion Ratio Lower Upper
248 100
250 196.9 78.4 117.6#
141 355.8 45.1 67.7#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF144194.D
Acq: 06 Nov 2025 18:23

Tgt Ion:240 Resp: 155174
Ion Ratio Lower Upper
240 100
120 8.7 6.6 10.0
236 25.4 21.4 32.2

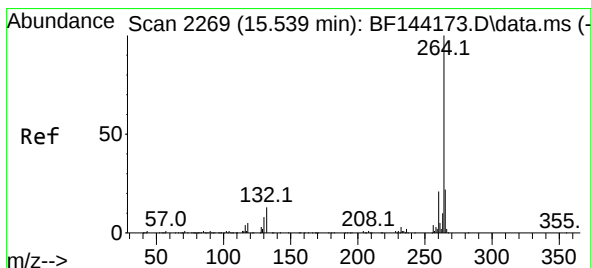
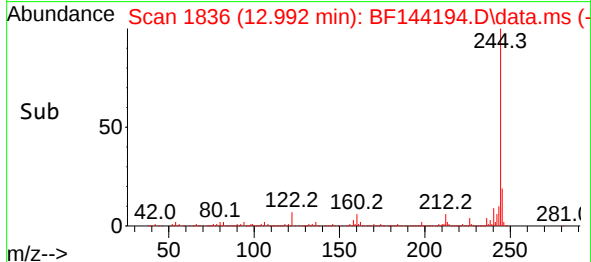
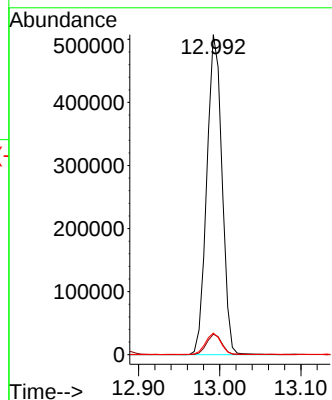
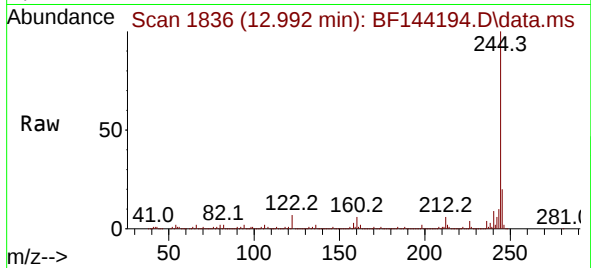




#79
 Terphenyl-d14
 Concen: 67.323 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.000 min
 Lab File: BF144194.D
 Acq: 06 Nov 2025 18:23

Instrument :
 BNA_F
 ClientSampleId :
 MW-3

Tgt Ion:244 Resp: 657689
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.3 7.9
 122 6.7 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.000 min
 Lab File: BF144194.D
 Acq: 06 Nov 2025 18:23

Tgt Ion:264 Resp: 204734
 Ion Ratio Lower Upper
 264 100
 260 20.7 17.1 25.7
 265 20.9 17.4 26.0

