

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF120125\  
 Data File : BF144394.D  
 Acq On : 01 Dec 2025 18:41  
 Operator : RC/JU  
 Sample : Q3719-13 5X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 02 00:10:12 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

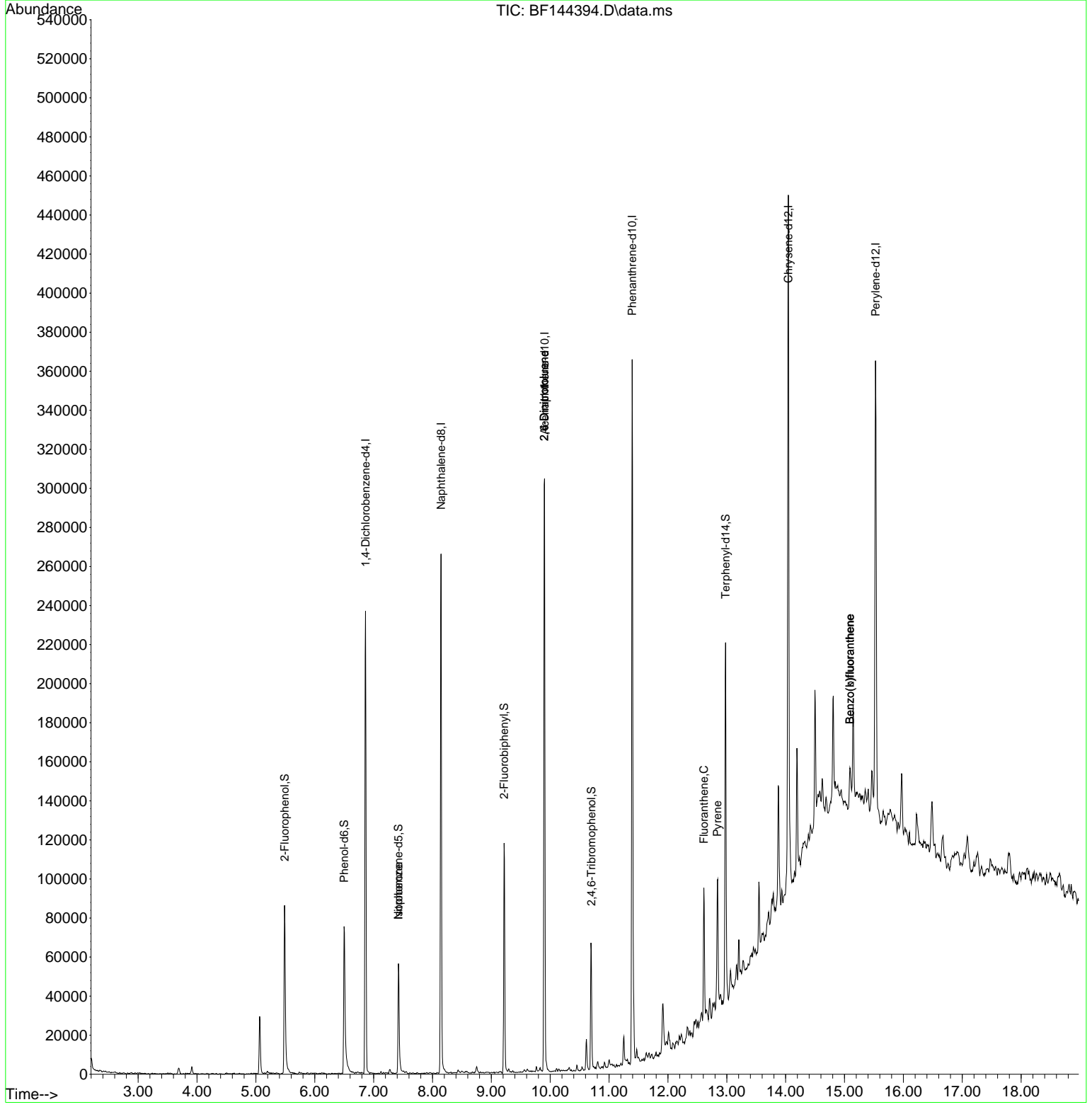
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	52905	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	181736	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	101490	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	196560	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	176998	20.000	ng	0.00
86) Perylene-d12	15.527	264	130950	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	45990	13.603	ng	0.00
7) Phenol-d6	6.498	99	49321	12.875	ng	0.00
23) Nitrobenzene-d5	7.422	82	27433	8.718	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	14405	11.311	ng	0.00
45) 2-Fluorobiphenyl	9.216	172	60351	8.783	ng	-0.01
79) Terphenyl-d14	12.980	244	92052	8.261	ng	-0.01
Target Compounds						
25) Isophorone	7.422	82	27433	4.609	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	11762	8.642	ng	# 27
57) 2,4-Dinitrotoluene	9.898	165	11762	6.455	ng	# 27
75) Fluoranthene	12.610	202	41911	4.146	ng	97
78) Pyrene	12.839	202	36333	2.546	ng	98
88) Benzo(b)fluoranthene	15.092	252	19788	2.658	ng	# 81
89) Benzo(k)fluoranthene	15.092	252	19788	2.840	ng	# 83

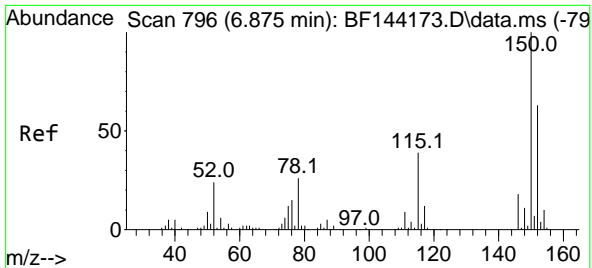
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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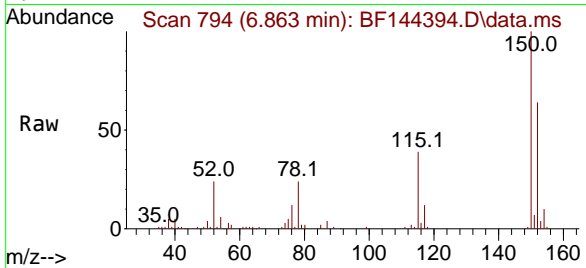
Quant Time: Dec 02 00:10:12 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF110525.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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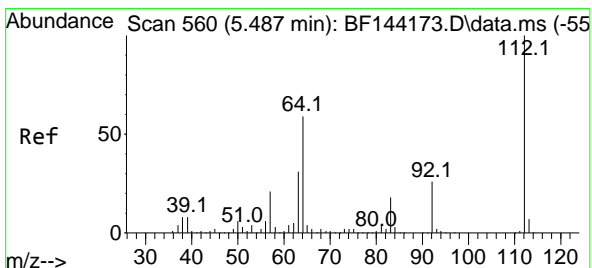
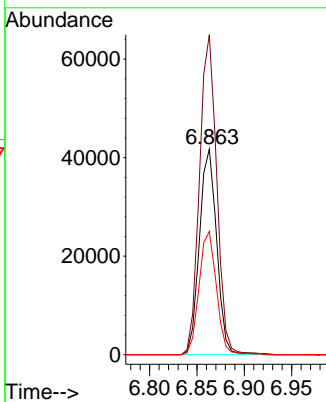
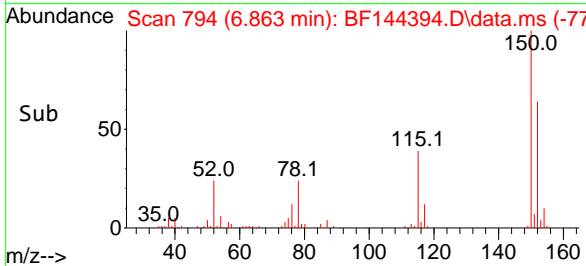


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.863 min Scan# 794  
 Delta R.T. -0.012 min  
 Lab File: BF144394.D  
 Acq: 01 Dec 2025 18:41

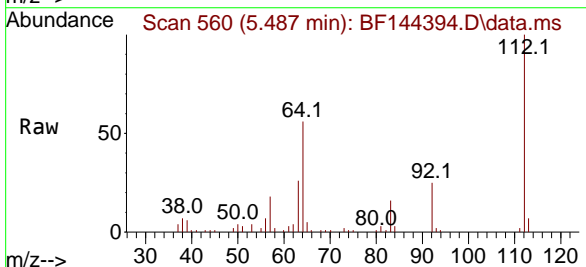
Instrument :  
 BNA\_F  
 ClientSampleId :



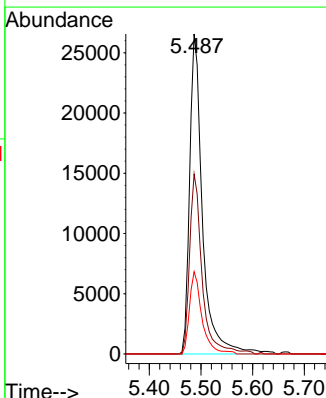
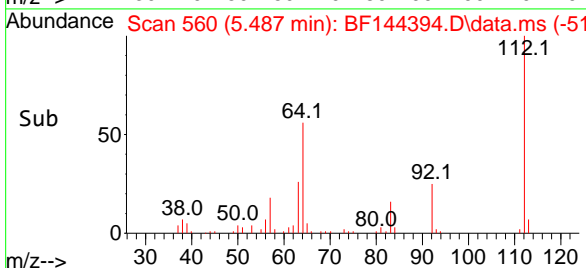
Tgt Ion:152 Resp: 52905  
 Ion Ratio Lower Upper  
 152 100  
 150 155.7 127.4 191.0  
 115 59.9 49.5 74.3

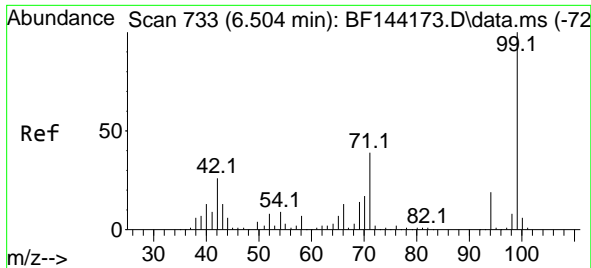


#5  
 2-Fluorophenol  
 Concen: 13.603 ng  
 RT: 5.487 min Scan# 560  
 Delta R.T. -0.006 min  
 Lab File: BF144394.D  
 Acq: 01 Dec 2025 18:41



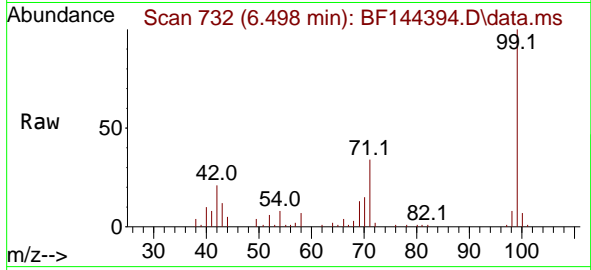
Tgt Ion:112 Resp: 45990  
 Ion Ratio Lower Upper  
 112 100  
 64 56.2 47.2 70.8  
 63 25.7 24.4 36.6



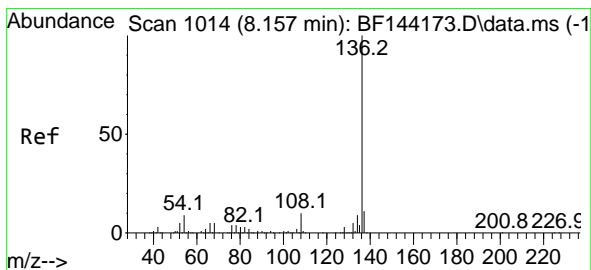
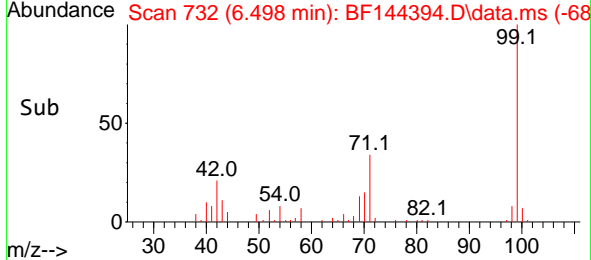
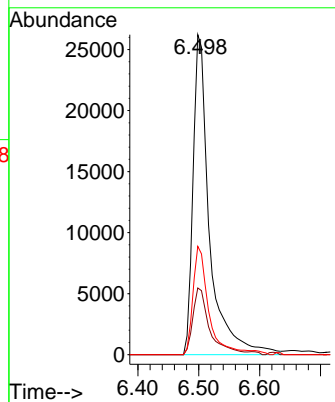


#7  
 Phenol-d6  
 Concen: 12.875 ng  
 RT: 6.498 min Scan# 71  
 Delta R.T. -0.000 min  
 Lab File: BF144394.D  
 Acq: 01 Dec 2025 18:41

Instrument :  
 BNA\_F  
 ClientSampleId :

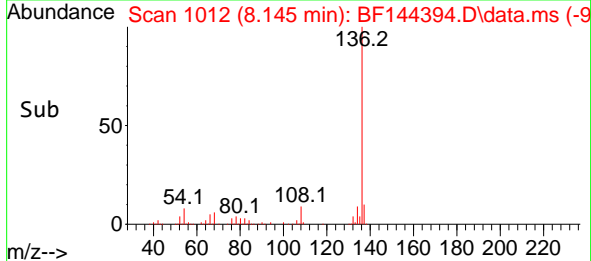
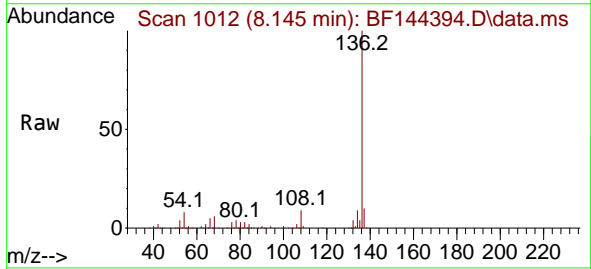
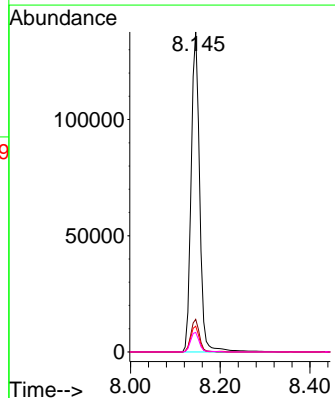


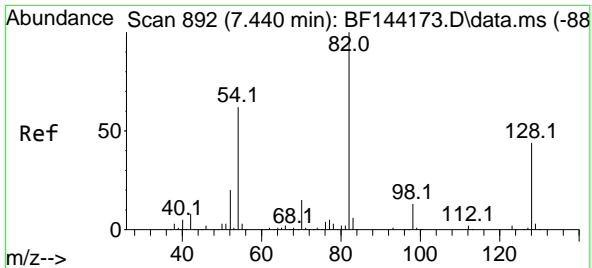
Tgt Ion: 99 Resp: 49321  
 Ion Ratio Lower Upper  
 99 100  
 42 20.9 20.9 31.3#  
 71 33.8 31.4 47.2



#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 8.145 min Scan# 1012  
 Delta R.T. -0.012 min  
 Lab File: BF144394.D  
 Acq: 01 Dec 2025 18:41

Tgt Ion: 136 Resp: 181736  
 Ion Ratio Lower Upper  
 136 100  
 137 10.2 8.6 13.0  
 54 8.1 7.0 10.6  
 68 6.1 4.3 6.5

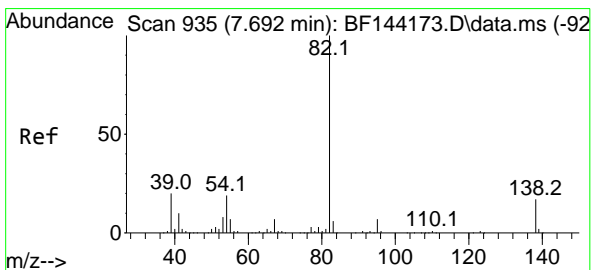
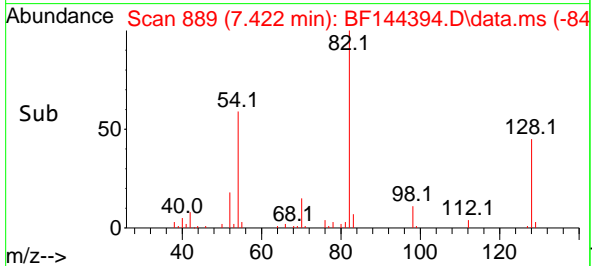
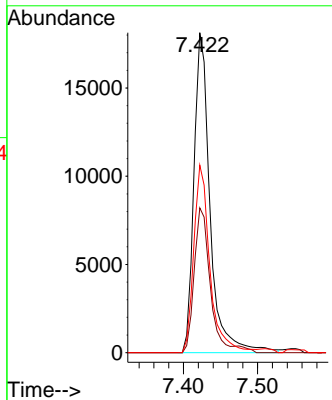
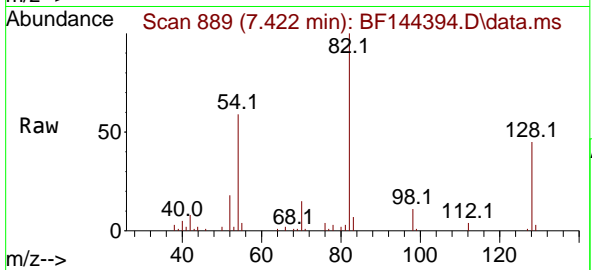




#23  
 Nitrobenzene-d5  
 Concen: 8.718 ng  
 RT: 7.422 min Scan# 889  
 Delta R.T. -0.012 min  
 Lab File: BF144394.D  
 Acq: 01 Dec 2025 18:41

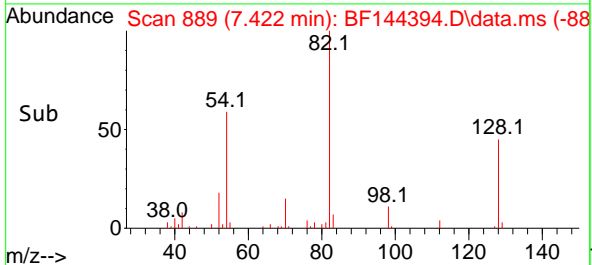
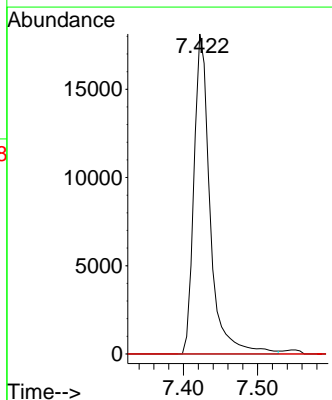
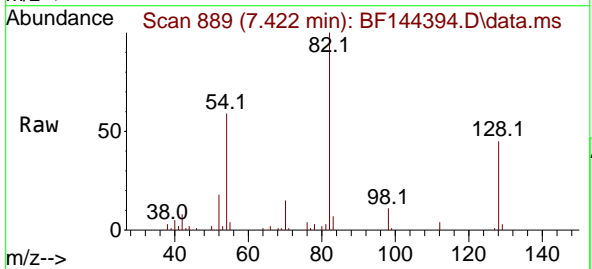
Instrument :  
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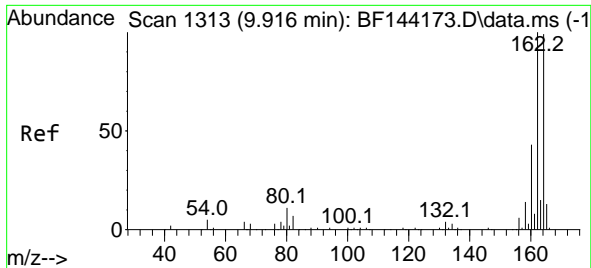
Tgt Ion: 82 Resp: 27433  
 Ion Ratio Lower Upper  
 82 100  
 128 45.3 34.7 52.1  
 54 58.6 49.5 74.3



#25  
 Isophorone  
 Concen: 4.609 ng  
 RT: 7.422 min Scan# 889  
 Delta R.T. -0.265 min  
 Lab File: BF144394.D  
 Acq: 01 Dec 2025 18:41

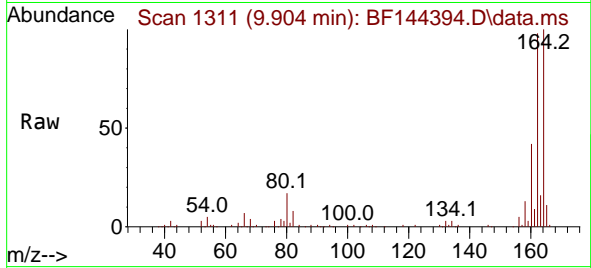
Tgt Ion: 82 Resp: 27433  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.5 8.3#  
 138 0.0 13.7 20.5#



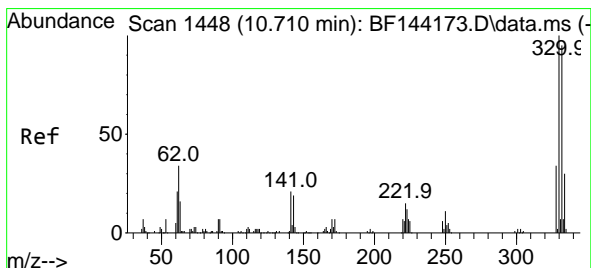
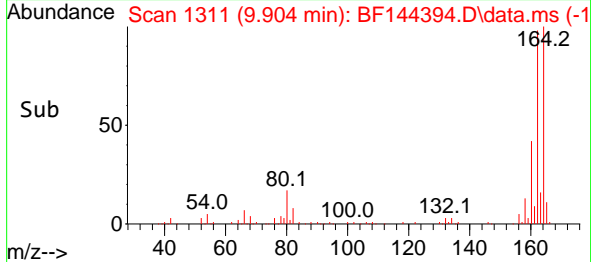
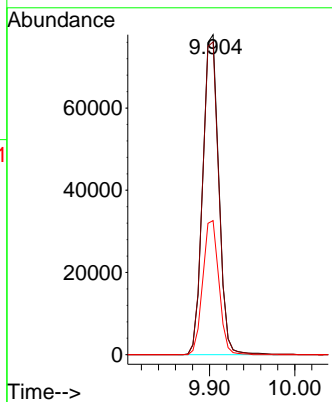


#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.904 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: BF144394.D  
 Acq: 01 Dec 2025 18:41

Instrument :  
 BNA\_F  
 ClientSampleId :

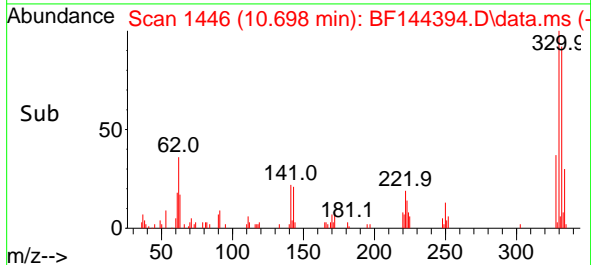
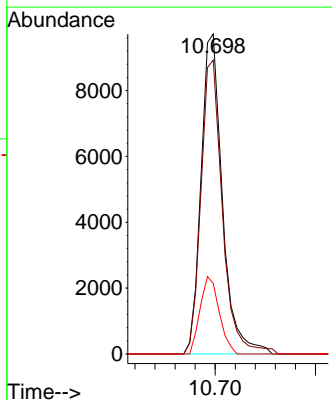
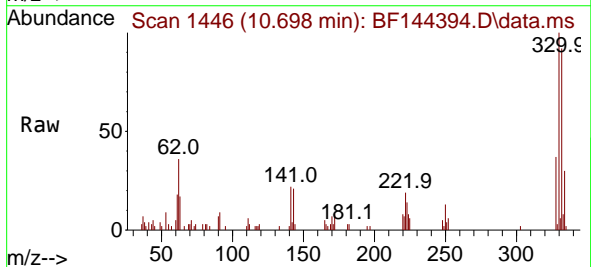


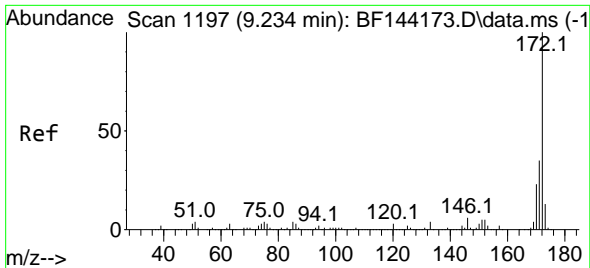
Tgt Ion:164 Resp: 101490  
 Ion Ratio Lower Upper  
 164 100  
 162 97.8 81.1 121.7  
 160 41.9 34.5 51.7



#42  
 2,4,6-Tribromophenol  
 Concen: 11.311 ng  
 RT: 10.698 min Scan# 1446  
 Delta R.T. -0.006 min  
 Lab File: BF144394.D  
 Acq: 01 Dec 2025 18:41

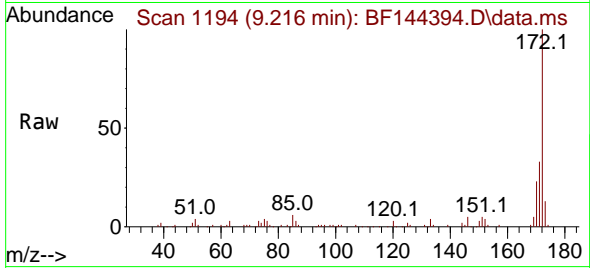
Tgt Ion:330 Resp: 14405  
 Ion Ratio Lower Upper  
 330 100  
 332 92.0 76.7 115.1  
 141 21.6 17.8 26.8



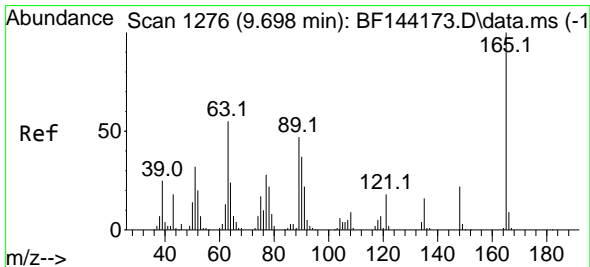
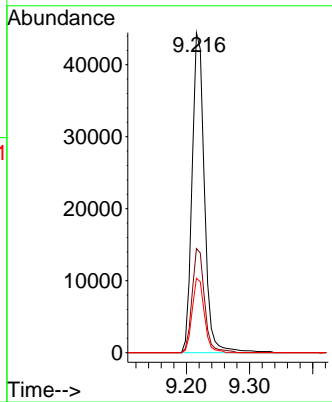
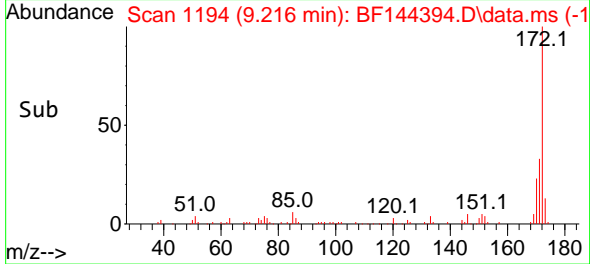


#45  
 2-Fluorobiphenyl  
 Concen: 8.783 ng  
 RT: 9.216 min Scan# 1194  
 Delta R.T. -0.012 min  
 Lab File: BF144394.D  
 Acq: 01 Dec 2025 18:41

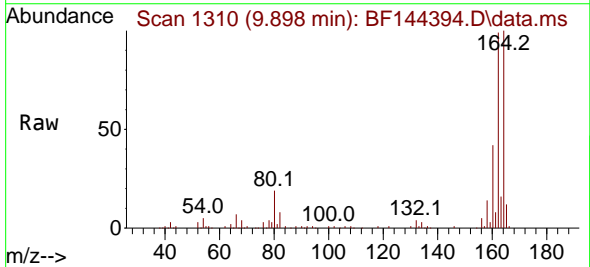
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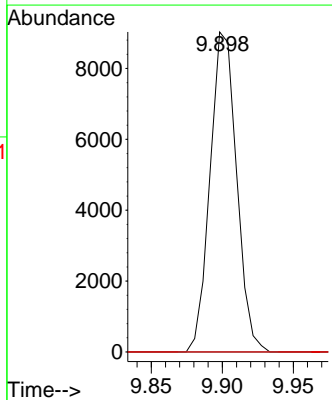
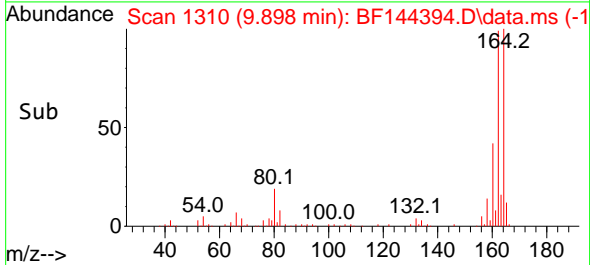
Tgt Ion:172 Resp: 60351  
 Ion Ratio Lower Upper  
 172 100  
 171 32.5 28.1 42.1  
 170 23.3 18.6 28.0

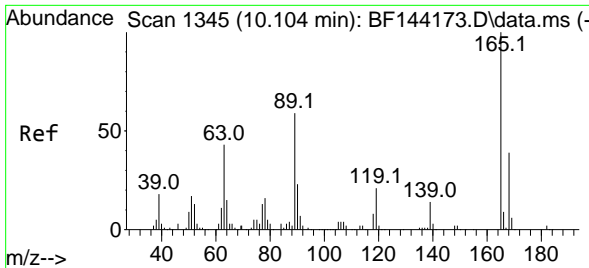


#51  
 2,6-Dinitrotoluene  
 Concen: 8.642 ng  
 RT: 9.898 min Scan# 1310  
 Delta R.T. 0.206 min  
 Lab File: BF144394.D  
 Acq: 01 Dec 2025 18:41



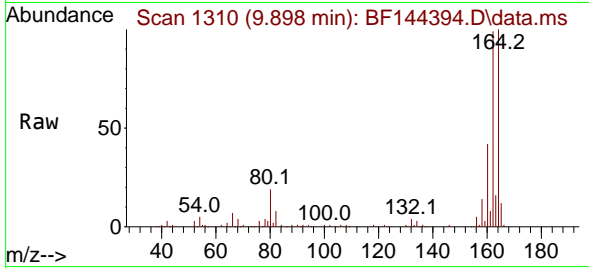
Tgt Ion:165 Resp: 11762  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 43.8 65.8#  
 89 0.0 37.5 56.3#





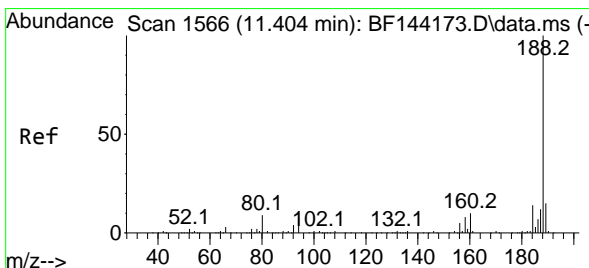
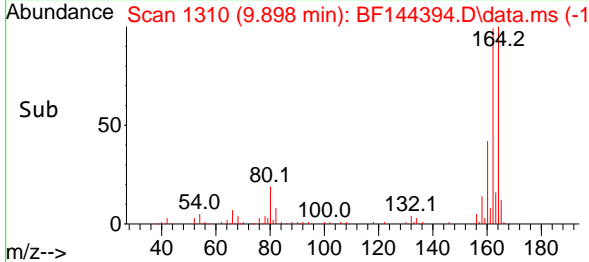
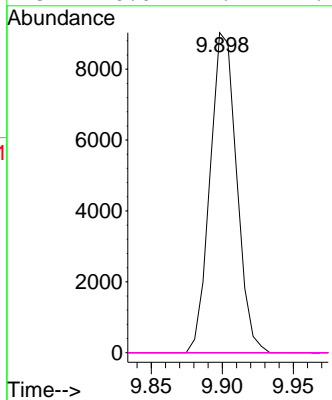
#57  
 2,4-Dinitrotoluene  
 Concen: 6.455 ng  
 RT: 9.898 min Scan# 11  
 Delta R.T. -0.200 min  
 Lab File: BF144394.D  
 Acq: 01 Dec 2025 18:41

Instrument :  
 BNA\_F  
 ClientSampleId :



Tgt Ion:165 Resp: 11762

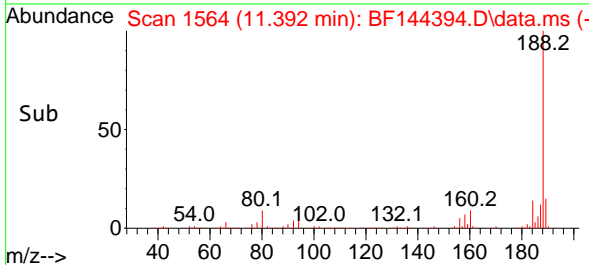
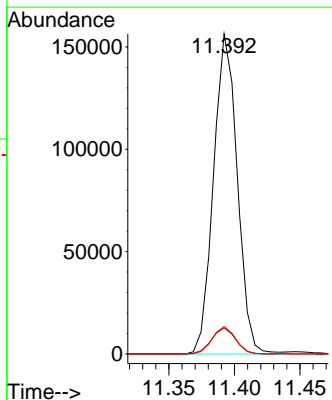
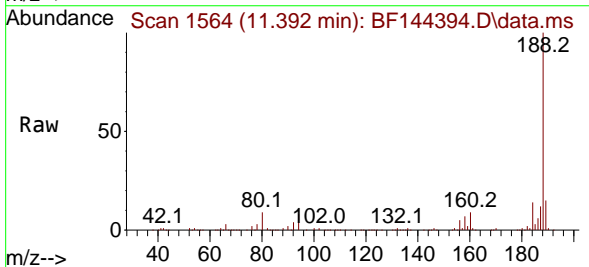
Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.5	53.3#
89	0.0	47.4	71.2#
182	0.0	1.9	2.9#



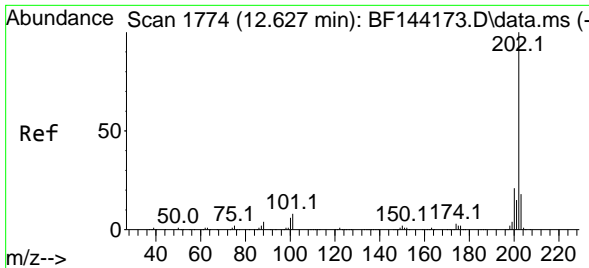
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.392 min Scan# 1564  
 Delta R.T. -0.012 min  
 Lab File: BF144394.D  
 Acq: 01 Dec 2025 18:41

Tgt Ion:188 Resp: 196560

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.2	9.2
80	8.5	6.9	10.3



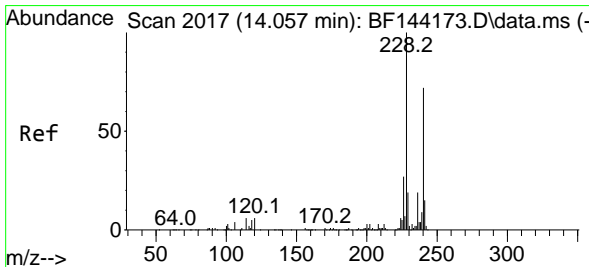
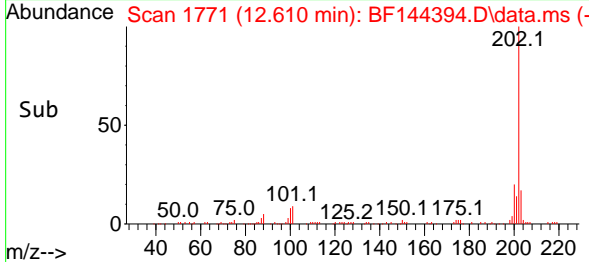
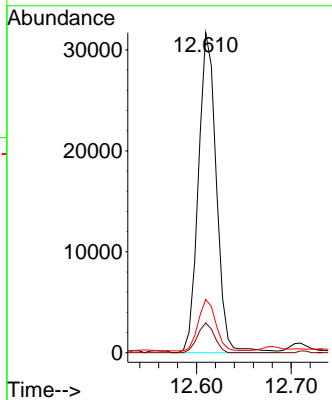
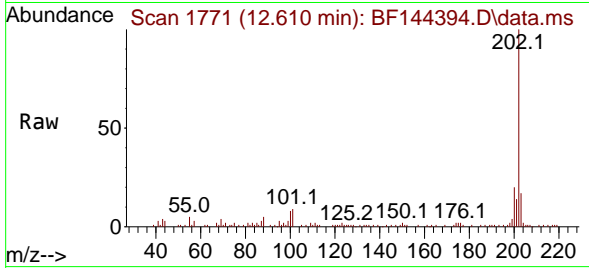




#75  
 Fluoranthene  
 Concen: 4.146 ng  
 RT: 12.610 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: BF144394.D  
 Acq: 01 Dec 2025 18:41

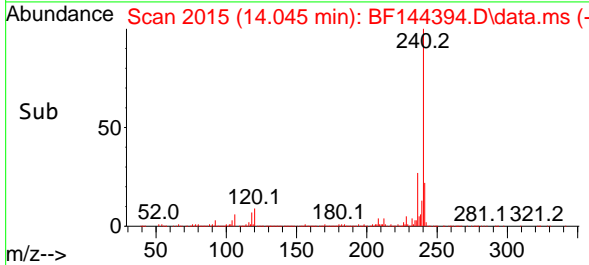
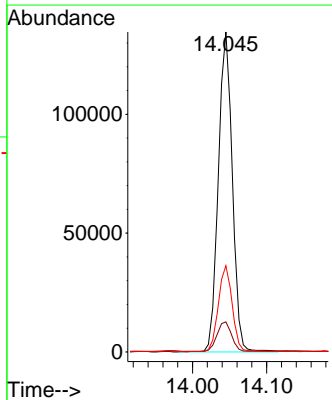
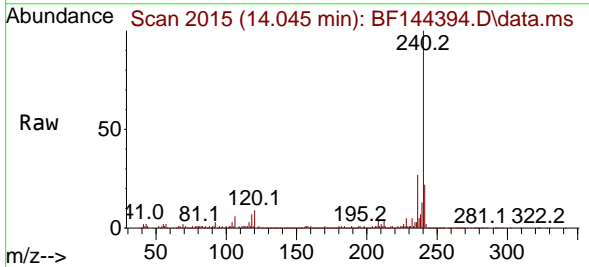
Instrument :  
 BNA\_F  
 ClientSampleId :

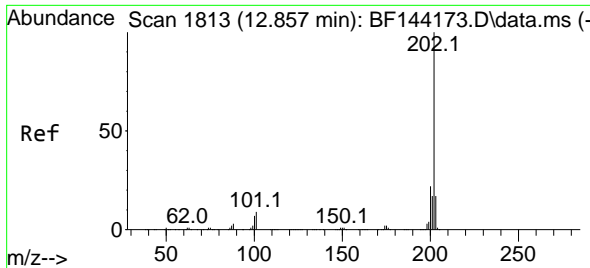
Tgt Ion	Resp	Lower	Upper
202	41911	100	100
101	9.3	0.0	27.9
203	16.6	0.0	37.5



#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.045 min Scan# 2015  
 Delta R.T. -0.006 min  
 Lab File: BF144394.D  
 Acq: 01 Dec 2025 18:41

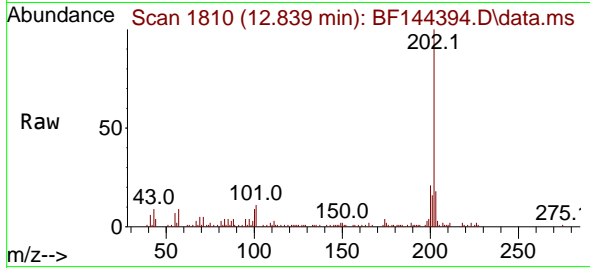
Tgt Ion	Resp	Lower	Upper
240	176998	100	100
120	9.4	6.6	10.0
236	27.0	21.4	32.2



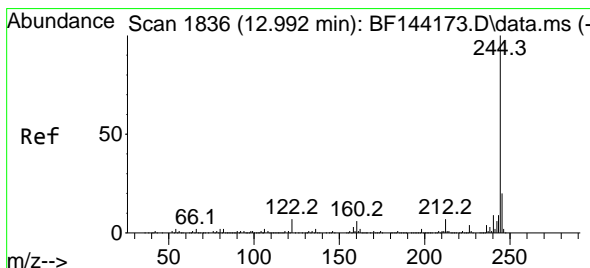
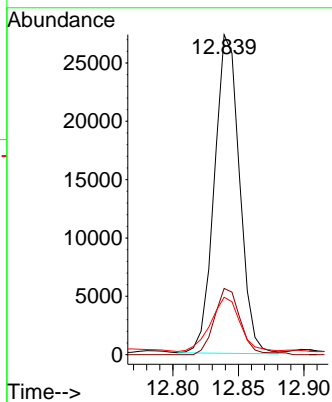
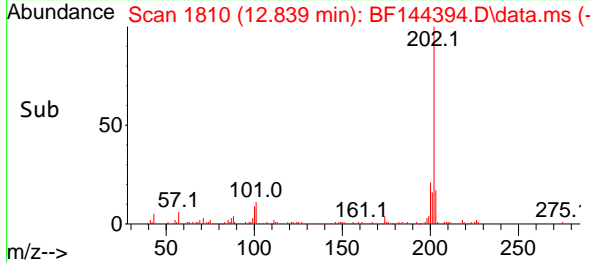


#78  
 Pyrene  
 Concen: 2.546 ng  
 RT: 12.839 min Scan# 1810  
 Delta R.T. -0.012 min  
 Lab File: BF144394.D  
 Acq: 01 Dec 2025 18:41

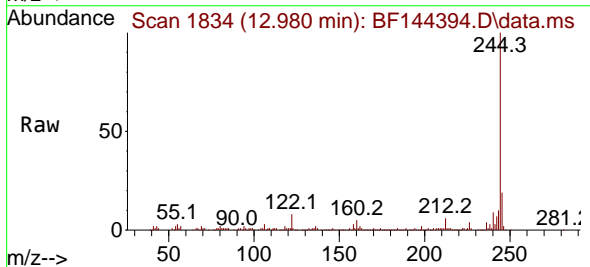
Instrument :  
 BNA\_F  
 ClientSampleId :



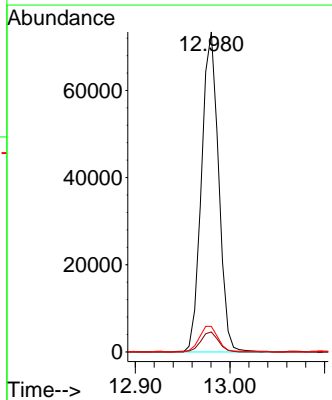
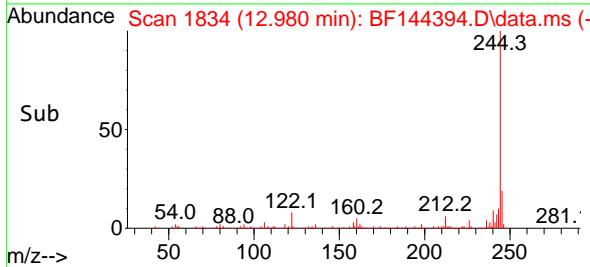
Tgt Ion:202 Resp: 36333  
 Ion Ratio Lower Upper  
 202 100  
 200 20.7 17.2 25.8  
 203 18.0 13.7 20.5

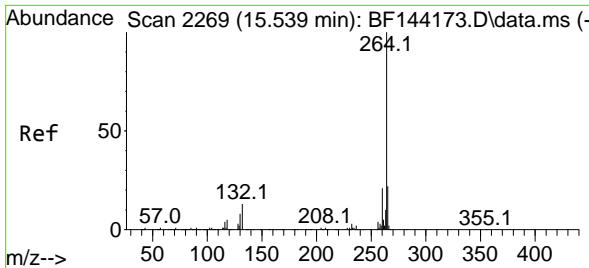


#79  
 Terphenyl-d14  
 Concen: 8.261 ng  
 RT: 12.980 min Scan# 1834  
 Delta R.T. -0.012 min  
 Lab File: BF144394.D  
 Acq: 01 Dec 2025 18:41



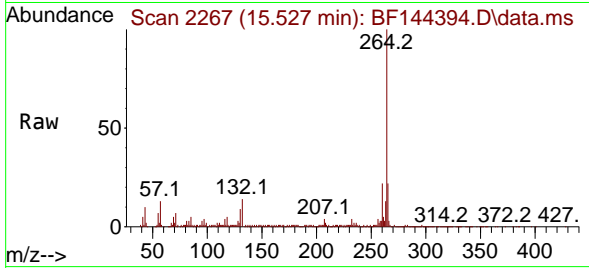
Tgt Ion:244 Resp: 92052  
 Ion Ratio Lower Upper  
 244 100  
 212 6.2 5.3 7.9  
 122 8.0 5.6 8.4



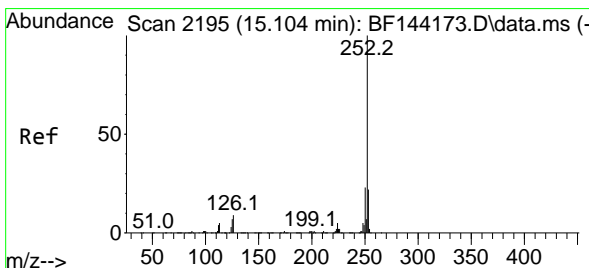
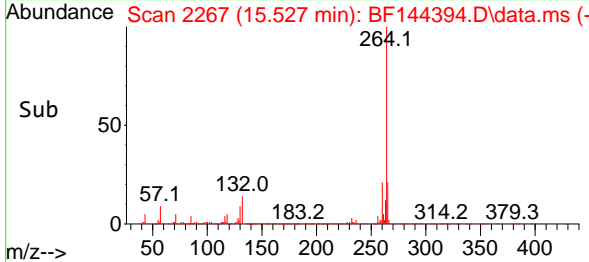
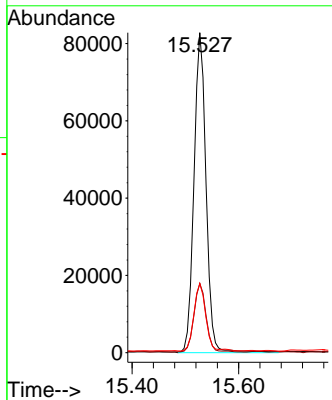


#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.527 min Scan# 2193  
 Delta R.T. -0.012 min  
 Lab File: BF144394.D  
 Acq: 01 Dec 2025 18:41

Instrument :  
 BNA\_F  
 ClientSampleId :

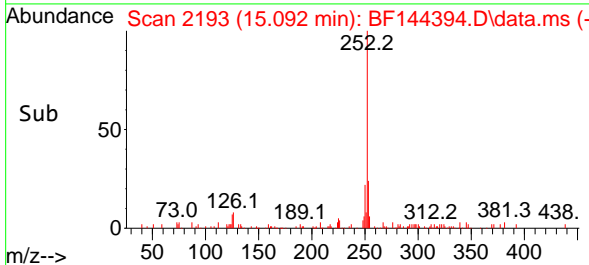
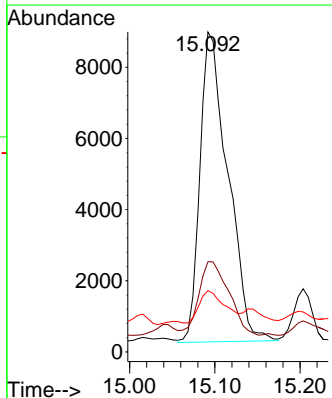
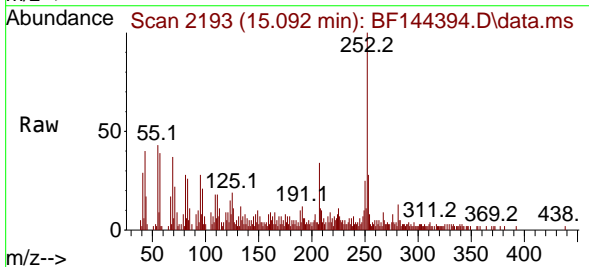


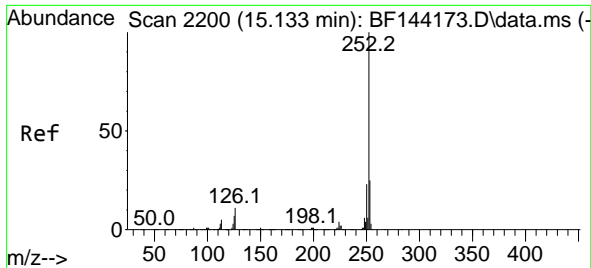
Tgt Ion:264 Resp: 130950  
 Ion Ratio Lower Upper  
 264 100  
 260 21.7 17.1 25.7  
 265 21.6 17.4 26.0



#88  
 Benzo(b)fluoranthene  
 Concen: 2.658 ng  
 RT: 15.092 min Scan# 2193  
 Delta R.T. -0.006 min  
 Lab File: BF144394.D  
 Acq: 01 Dec 2025 18:41

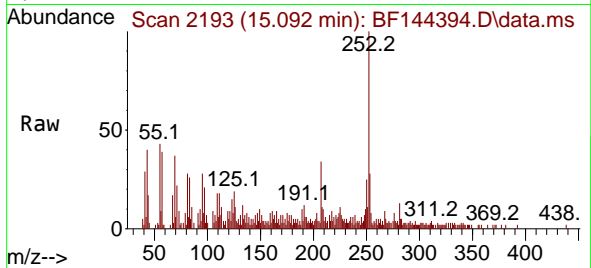
Tgt Ion:252 Resp: 19788  
 Ion Ratio Lower Upper  
 252 100  
 253 28.2 17.4 26.2#  
 125 19.2 5.3 7.9#





#89  
 Benzo(k)fluoranthene  
 Concen: 2.840 ng  
 RT: 15.092 min Scan# 21  
 Delta R.T. -0.035 min  
 Lab File: BF144394.D  
 Acq: 01 Dec 2025 18:41

Instrument :  
 BNA\_F  
 ClientSampleId :



Tgt Ion:252 Resp: 19788

Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.0	27.0#
125	19.2	5.4	8.2#

