

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102125\  
 Data File : BF144027.D  
 Acq On : 21 Oct 2025 22:24  
 Operator : RC/JU  
 Sample : Q3402-01  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Oct 22 11:13:22 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100625.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 06 15:29:47 2025  
 Response via : Initial Calibration

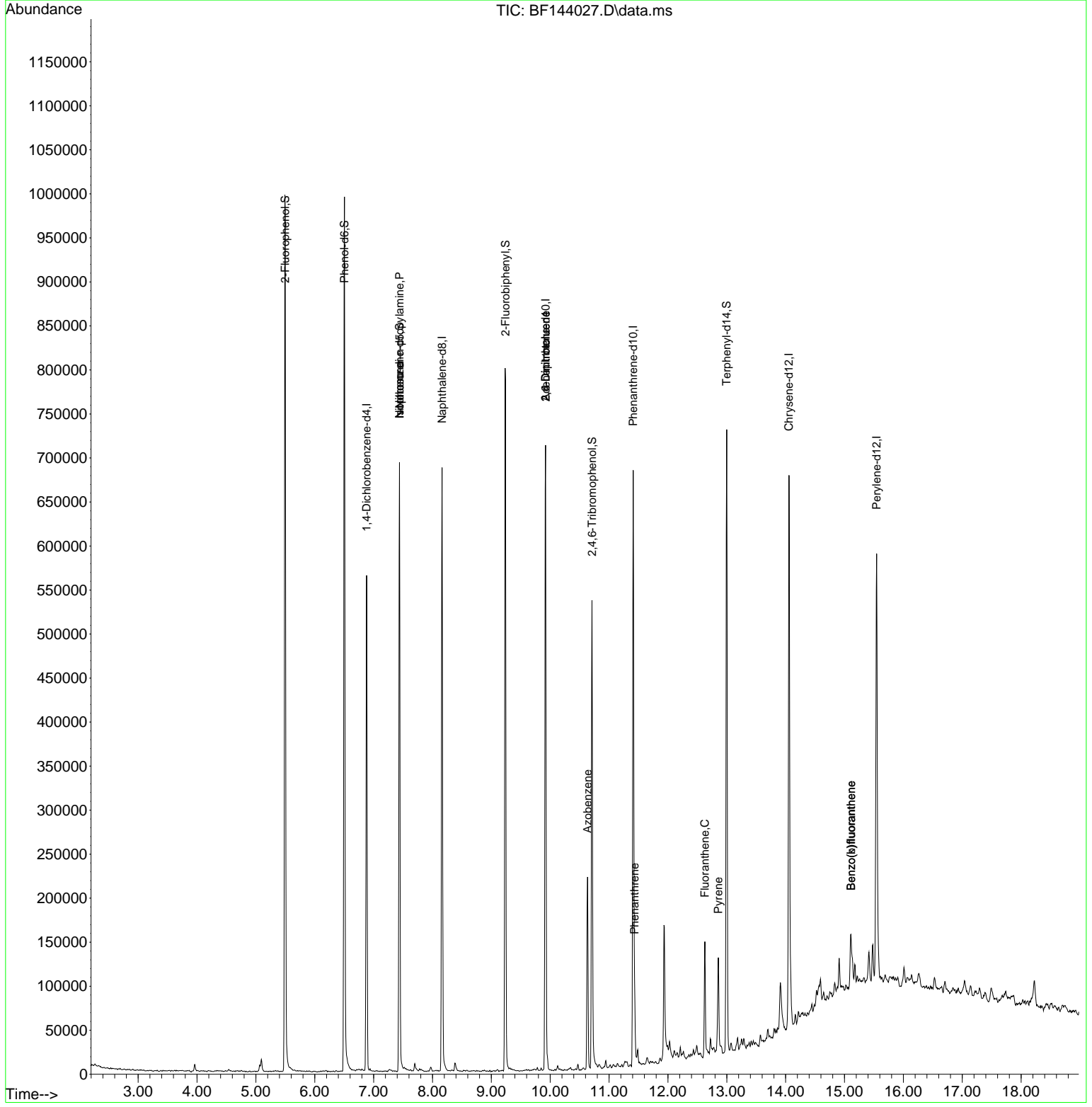
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	113279	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	431353	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	220973	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	360663	20.000	ng	0.00
76) Chrysenes-d12	14.057	240	293573	20.000	ng	-0.01
86) Perylene-d12	15.545	264	314832	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	401161	56.236	ng	0.00
7) Phenol-d6	6.504	99	450204	52.948	ng	-0.01
23) Nitrobenzene-d5	7.439	82	292088	41.140	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	96034	43.633	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	389572	27.974	ng	-0.01
79) Terphenyl-d14	12.998	244	355273	20.683	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.439	70	41038	7.051	ng	# 77
25) Isophorone	7.439	82	239966	16.029	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	28906	11.109	ng	# 26
57) 2,4-Dinitrotoluene	9.922	165	28906	8.164	ng	# 27
63) Azobenzene	10.633	77	56453	4.143	ng	# 1
71) Phenanthrene	11.433	178	42691	2.442	ng	97
75) Fluoranthene	12.627	202	71573	3.963	ng	98
78) Pyrene	12.857	202	61586	2.516	ng	95
88) Benzo(b)fluoranthene	15.110	252	52640	2.911	ng	# 94
89) Benzo(k)fluoranthene	15.110	252	52640	3.146	ng	# 95

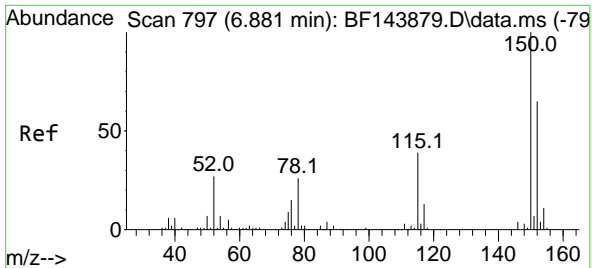
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102125\  
 Data File : BF144027.D  
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 Operator : RC/JU  
 Sample : Q3402-01  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

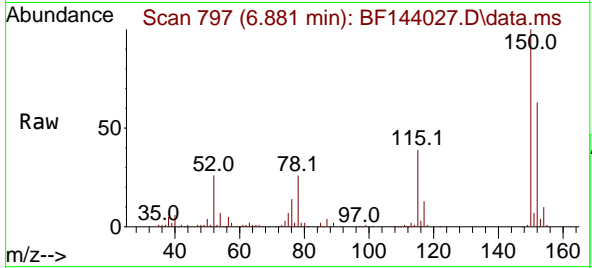
Quant Time: Oct 22 11:13:22 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF100625.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 06 15:29:47 2025  
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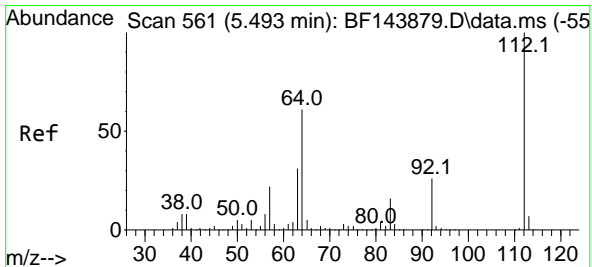
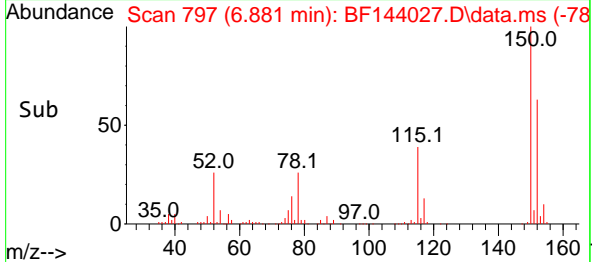
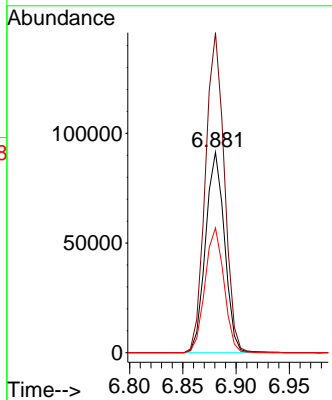


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.881 min Scan# 79  
 Delta R.T. -0.005 min  
 Lab File: BF144027.D  
 Acq: 21 Oct 2025 22:24

Instrument :  
 BNA\_F  
 ClientSampleId :

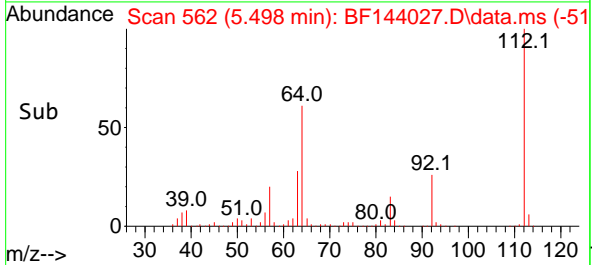
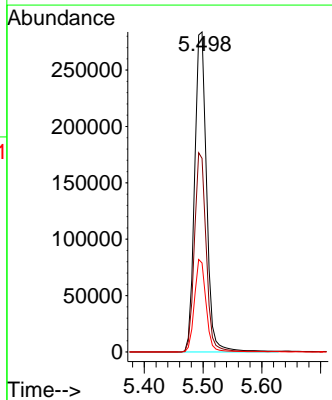
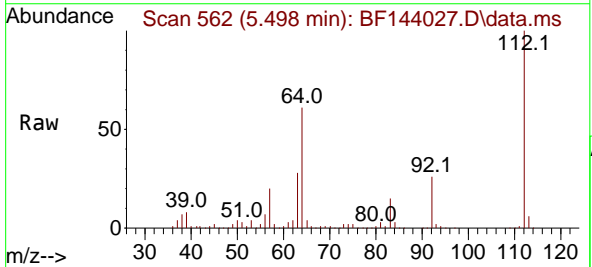


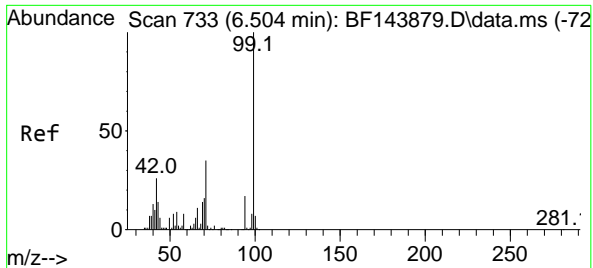
Tgt Ion:152 Resp: 113279  
 Ion Ratio Lower Upper  
 152 100  
 150 159.6 124.4 186.6  
 115 62.3 48.1 72.1



#5  
 2-Fluorophenol  
 Concen: 56.236 ng  
 RT: 5.498 min Scan# 562  
 Delta R.T. 0.000 min  
 Lab File: BF144027.D  
 Acq: 21 Oct 2025 22:24

Tgt Ion:112 Resp: 401161  
 Ion Ratio Lower Upper  
 112 100  
 64 60.5 49.1 73.7  
 63 27.8 24.5 36.7

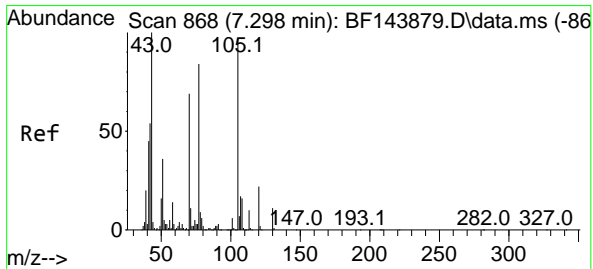
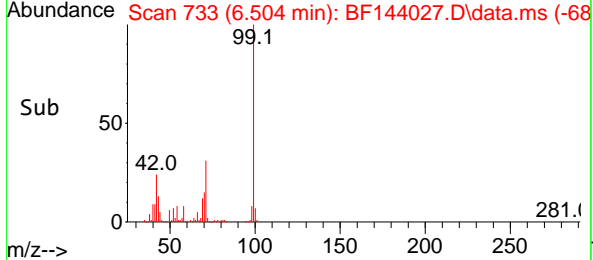
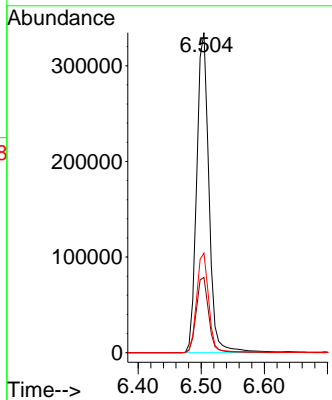
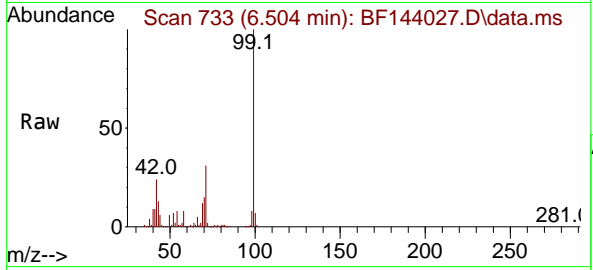




#7  
 Phenol-d6  
 Concen: 52.948 ng  
 RT: 6.504 min Scan# 71  
 Delta R.T. -0.012 min  
 Lab File: BF144027.D  
 Acq: 21 Oct 2025 22:24

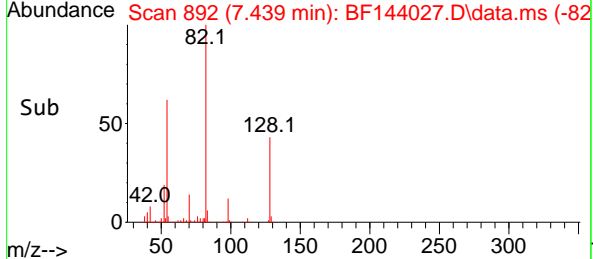
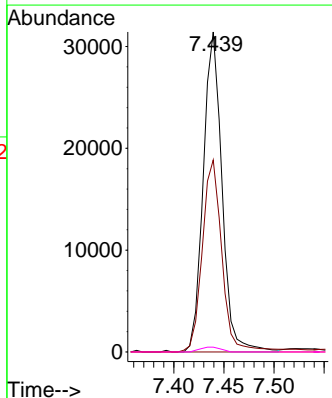
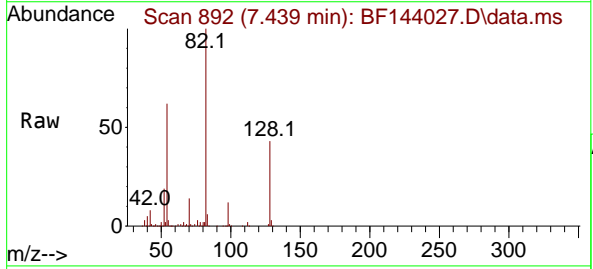
Instrument :  
 BNA\_F  
 ClientSampleId :

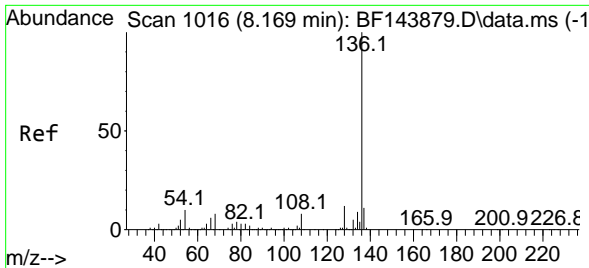
Tgt Ion	Resp	Lower	Upper
99	100		
42	23.5	21.0	31.4
71	31.1	27.8	41.8



#19  
 n-Nitroso-di-n-propylamine  
 Concen: 7.051 ng  
 RT: 7.439 min Scan# 892  
 Delta R.T. 0.124 min  
 Lab File: BF144027.D  
 Acq: 21 Oct 2025 22:24

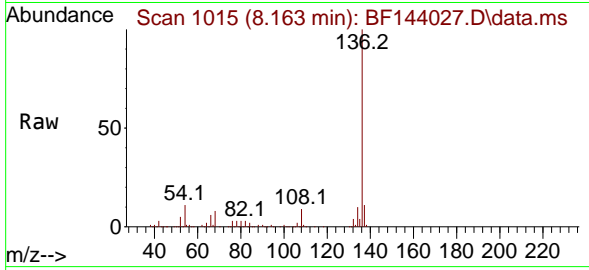
Tgt Ion	Resp	Lower	Upper
70	100		
42	60.0	62.8	94.2#
101	0.0	6.7	10.1#
130	1.5	13.0	19.4#



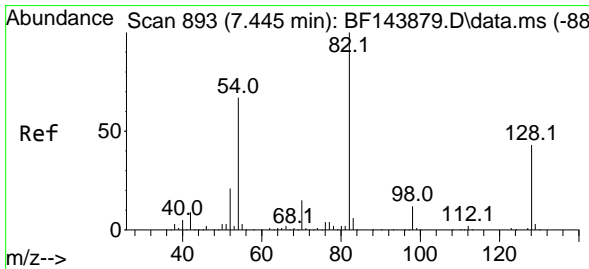
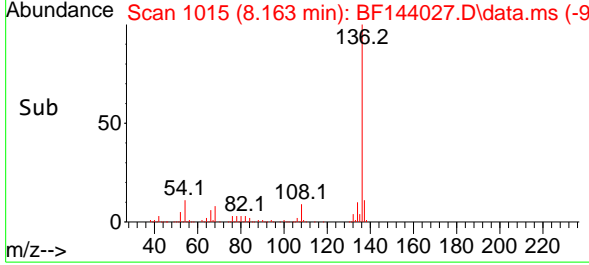
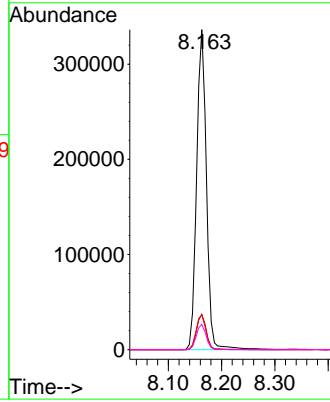


#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 8.163 min Scan# 1016  
 Delta R.T. -0.006 min  
 Lab File: BF144027.D  
 Acq: 21 Oct 2025 22:24

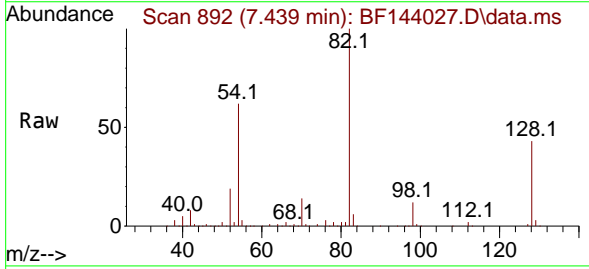
Instrument :  
 BNA\_F  
 ClientSampleId :



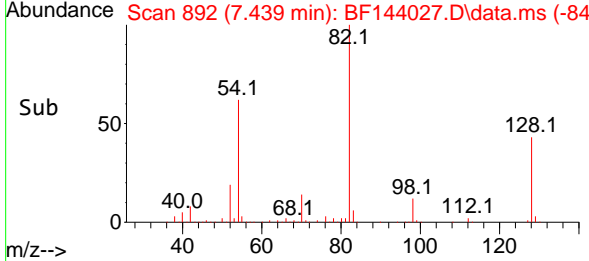
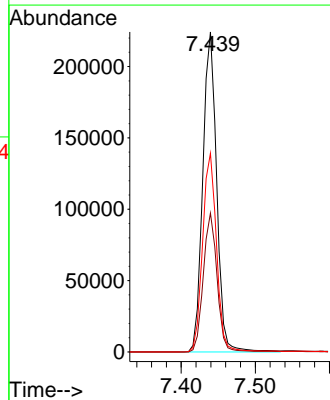
Tgt Ion:136 Resp: 431353  
 Ion Ratio Lower Upper  
 136 100  
 137 11.1 8.5 12.7  
 54 10.9 8.2 12.4  
 68 7.9 6.2 9.4

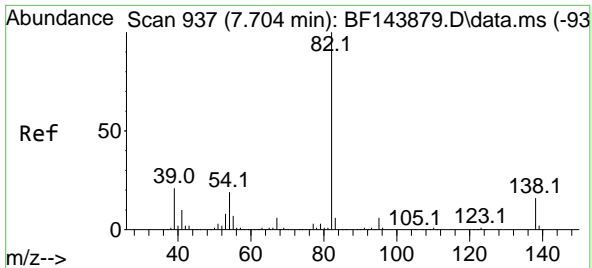


#23  
 Nitrobenzene-d5  
 Concen: 41.140 ng  
 RT: 7.439 min Scan# 892  
 Delta R.T. -0.018 min  
 Lab File: BF144027.D  
 Acq: 21 Oct 2025 22:24



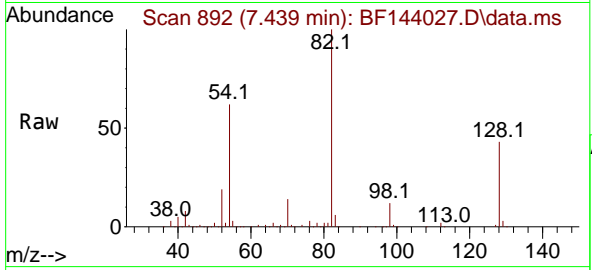
Tgt Ion: 82 Resp: 292088  
 Ion Ratio Lower Upper  
 82 100  
 128 43.4 34.0 51.0  
 54 62.1 53.2 79.8



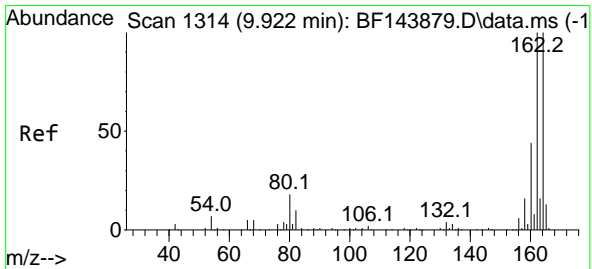
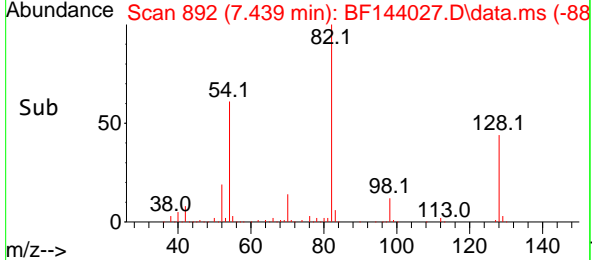
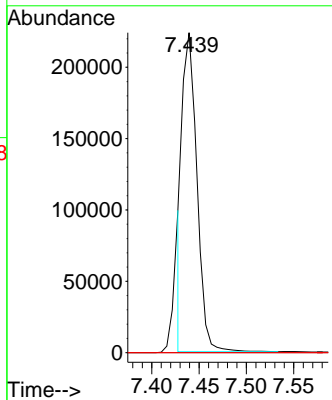


#25  
 Isophorone  
 Concen: 16.029 ng  
 RT: 7.439 min Scan# 892  
 Delta R.T. -0.282 min  
 Lab File: BF144027.D  
 Acq: 21 Oct 2025 22:24

Instrument : BNA\_F  
 ClientSampleId :

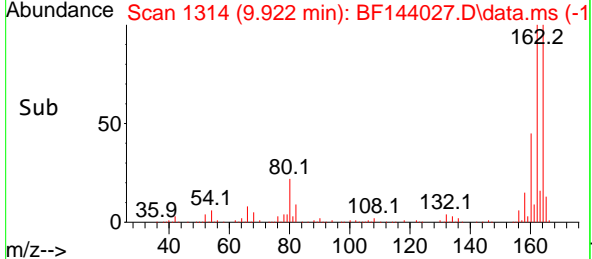
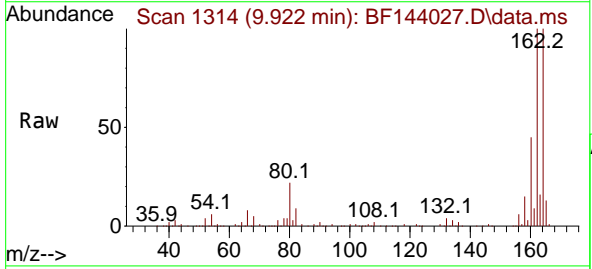
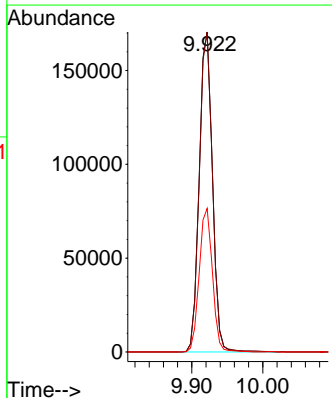


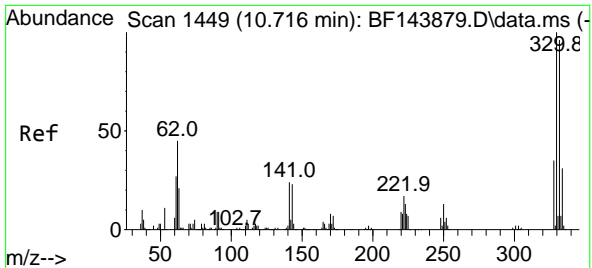
Tgt Ion: 82 Resp: 239966  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.1 7.7#  
 138 0.0 12.9 19.3#



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.922 min Scan# 1314  
 Delta R.T. -0.005 min  
 Lab File: BF144027.D  
 Acq: 21 Oct 2025 22:24

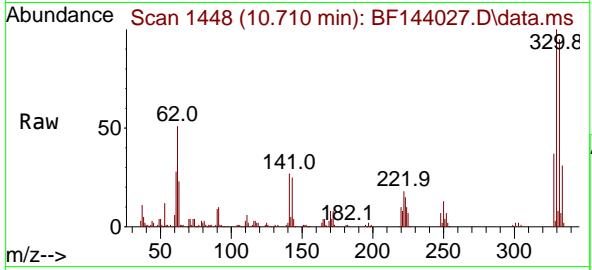
Tgt Ion: 164 Resp: 220973  
 Ion Ratio Lower Upper  
 164 100  
 162 100.0 80.2 120.2  
 160 44.9 35.4 53.0



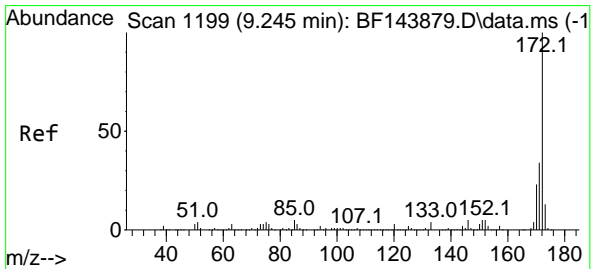
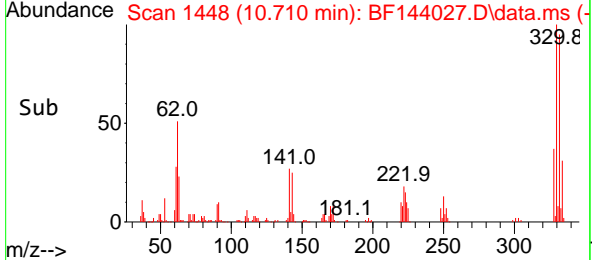
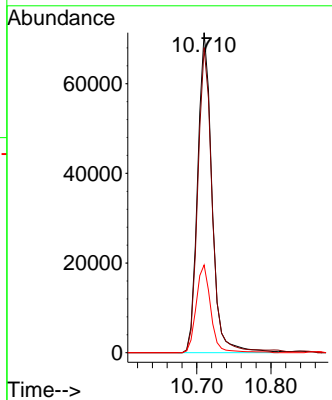


#42  
 2,4,6-Tribromophenol  
 Concen: 43.633 ng  
 RT: 10.710 min Scan# 14  
 Delta R.T. -0.012 min  
 Lab File: BF144027.D  
 Acq: 21 Oct 2025 22:24

Instrument :  
 BNA\_F  
 ClientSampled :

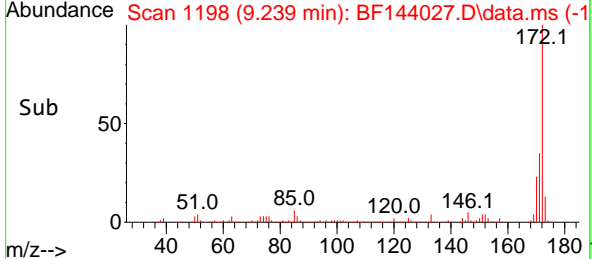
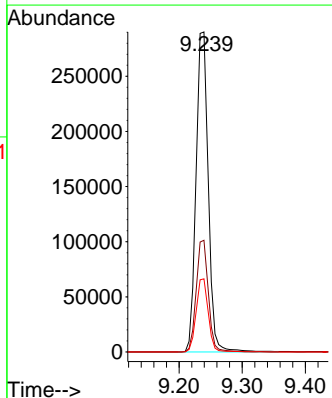
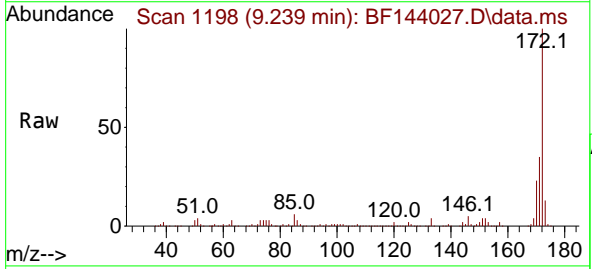


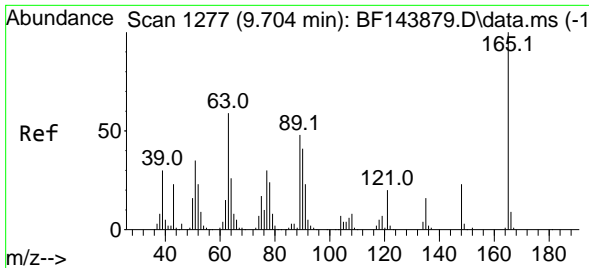
Tgt Ion:330 Resp: 96034  
 Ion Ratio Lower Upper  
 330 100  
 332 96.1 76.9 115.3  
 141 28.0 20.2 30.4



#45  
 2-Fluorobiphenyl  
 Concen: 27.974 ng  
 RT: 9.239 min Scan# 1198  
 Delta R.T. -0.012 min  
 Lab File: BF144027.D  
 Acq: 21 Oct 2025 22:24

Tgt Ion:172 Resp: 389572  
 Ion Ratio Lower Upper  
 172 100  
 171 34.9 27.4 41.0  
 170 22.9 18.6 28.0

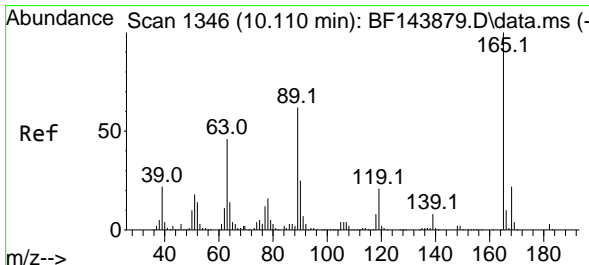
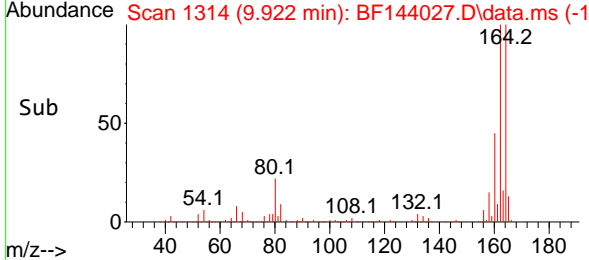
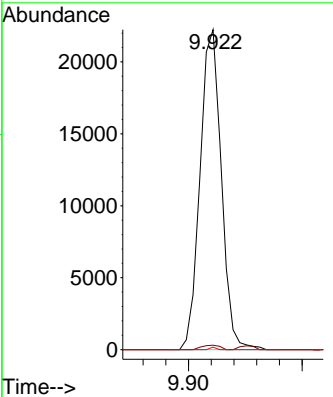
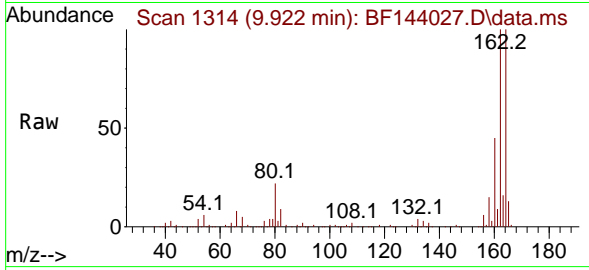




#51  
 2,6-Dinitrotoluene  
 Concen: 11.109 ng  
 RT: 9.922 min Scan# 1111  
 Delta R.T. 0.206 min  
 Lab File: BF144027.D  
 Acq: 21 Oct 2025 22:24

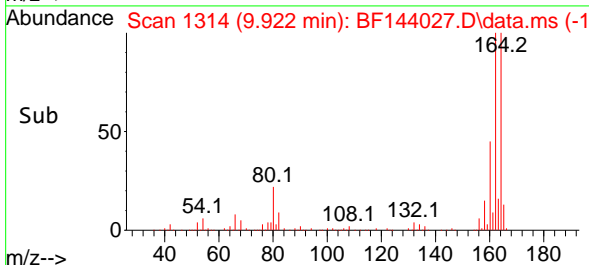
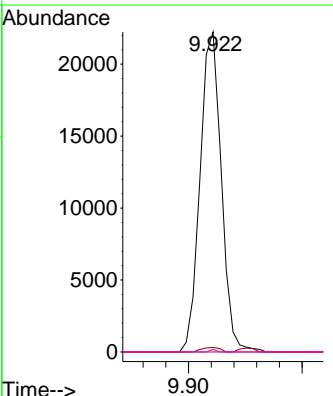
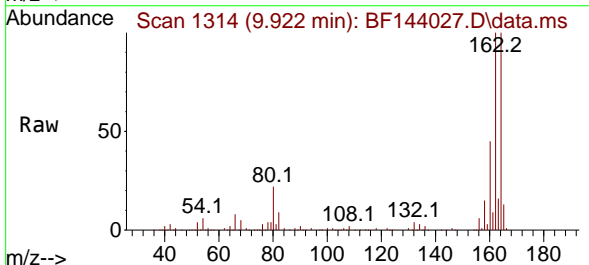
Instrument :  
 BNA\_F  
 ClientSampleId :

Tgt Ion	Resp	Lower	Upper
165	100		
63	1.4	47.3	70.9#
89	0.8	38.2	57.4#

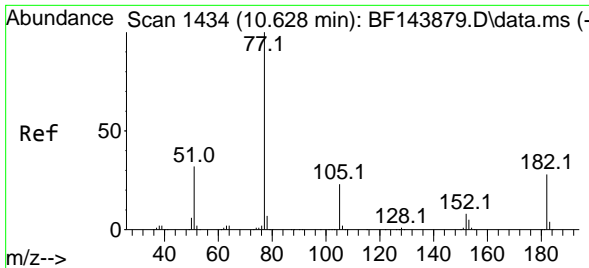


#57  
 2,4-Dinitrotoluene  
 Concen: 8.164 ng  
 RT: 9.922 min Scan# 1314  
 Delta R.T. -0.194 min  
 Lab File: BF144027.D  
 Acq: 21 Oct 2025 22:24

Tgt Ion	Resp	Lower	Upper
165	100		
63	1.4	37.2	55.8#
89	0.8	49.4	74.2#
182	0.0	2.1	3.1#





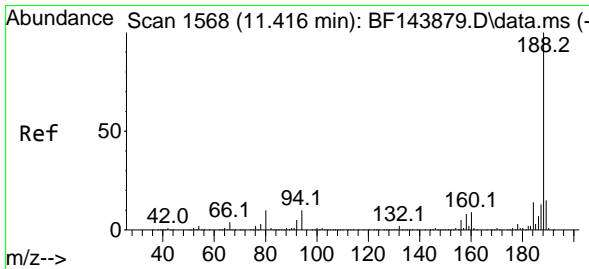
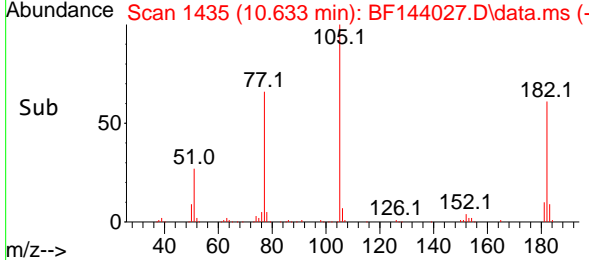
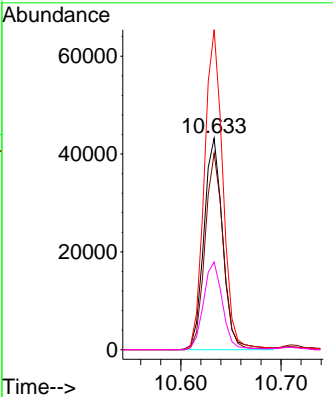
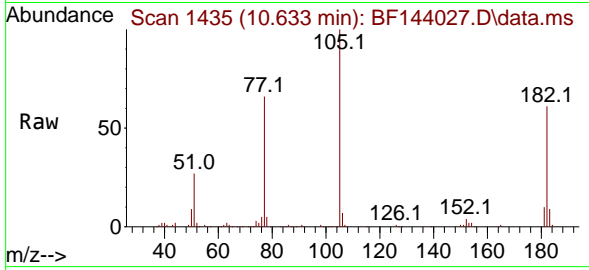


#63  
 Azobenzene  
 Concen: 4.143 ng  
 RT: 10.633 min Scan# 14  
 Delta R.T. 0.000 min  
 Lab File: BF144027.D  
 Acq: 21 Oct 2025 22:24

Instrument :  
 BNA\_F  
 ClientSampleId :

Tgt Ion: 77 Resp: 56453

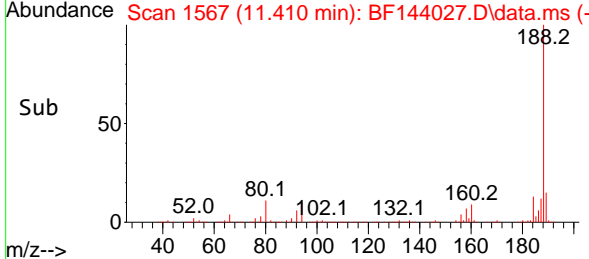
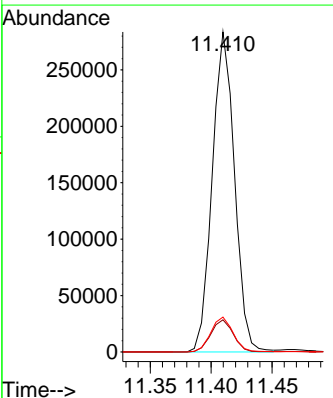
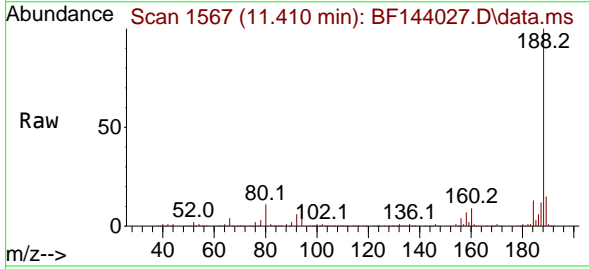
Ion	Ratio	Lower	Upper
77	100		
182	93.0	7.3	47.3#
105	151.3	3.0	43.0#
51	41.5	13.5	53.5

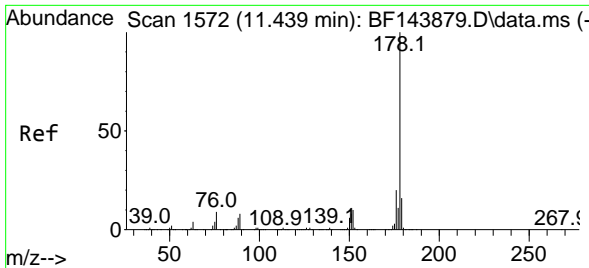


#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.410 min Scan# 1567  
 Delta R.T. -0.006 min  
 Lab File: BF144027.D  
 Acq: 21 Oct 2025 22:24

Tgt Ion: 188 Resp: 360663

Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.8	11.6
80	10.9	7.9	11.9



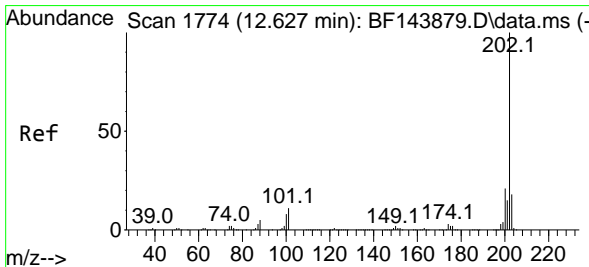
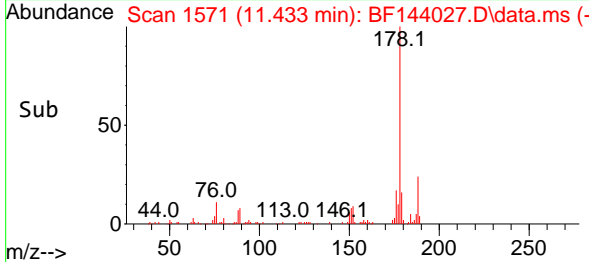
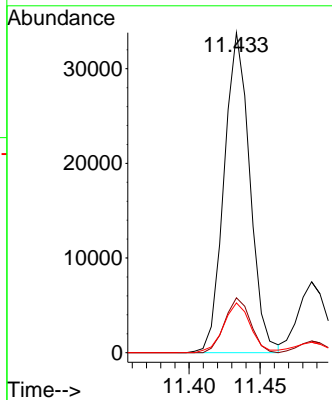
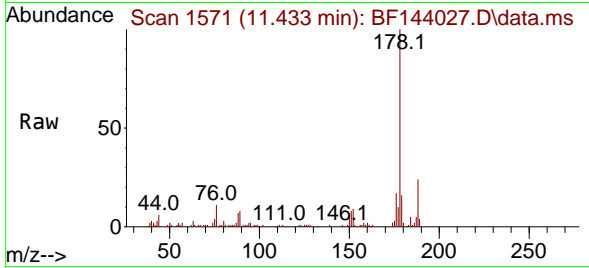


#71  
 Phenanthrene  
 Concen: 2.442 ng  
 RT: 11.433 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: BF144027.D  
 Acq: 21 Oct 2025 22:24

Instrument : BNA\_F  
 ClientSampleId :

Tgt Ion:178 Resp: 42691

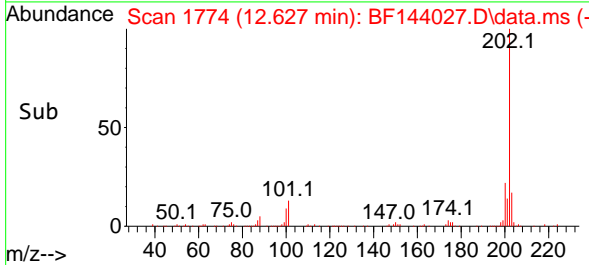
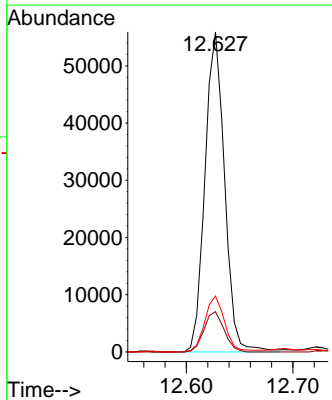
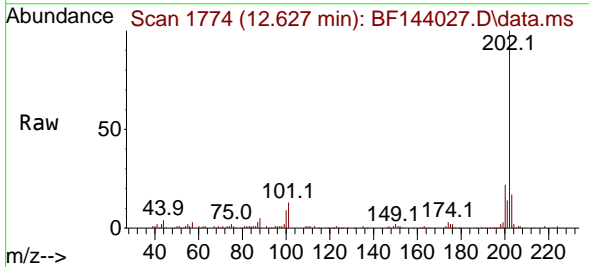
Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.9	23.9
179	15.5	12.4	18.6

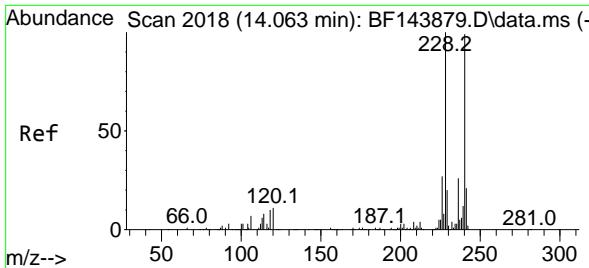


#75  
 Fluoranthene  
 Concen: 3.963 ng  
 RT: 12.627 min Scan# 1774  
 Delta R.T. -0.006 min  
 Lab File: BF144027.D  
 Acq: 21 Oct 2025 22:24

Tgt Ion:202 Resp: 71573

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	30.7
203	17.4	0.0	37.8



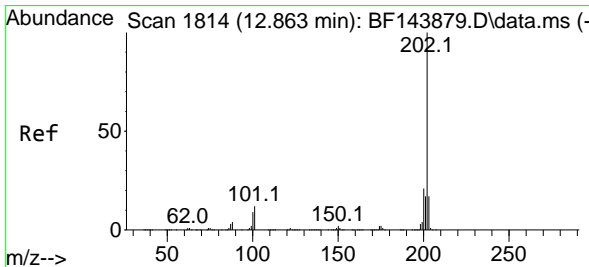
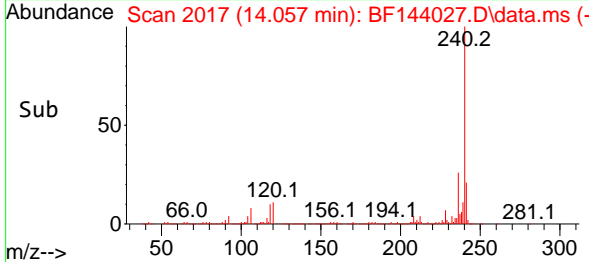
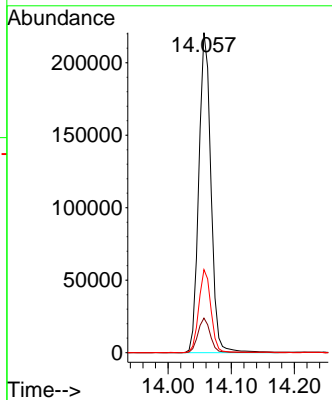
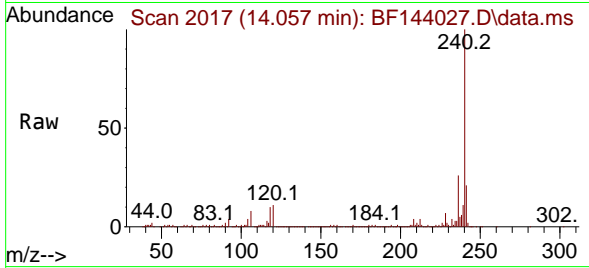


#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.057 min Scan# 20  
 Delta R.T. -0.011 min  
 Lab File: BF144027.D  
 Acq: 21 Oct 2025 22:24

Instrument : BNA\_F  
 ClientSampleId :

Tgt Ion:240 Resp: 293573

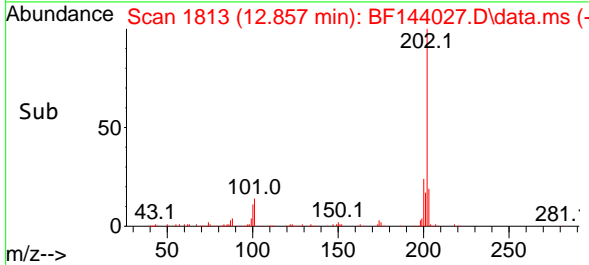
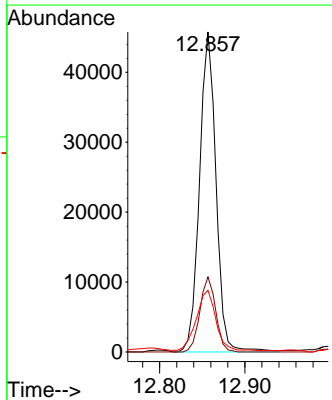
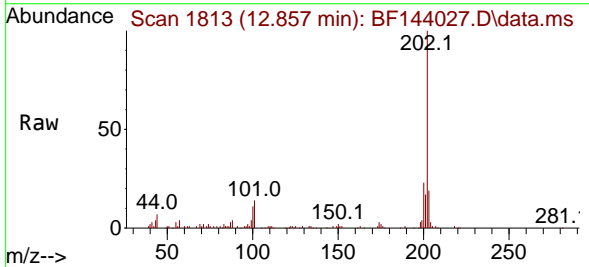
Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.6	13.0
236	25.9	21.1	31.7

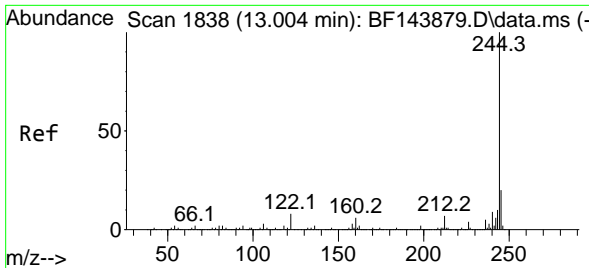


#78  
 Pyrene  
 Concen: 2.516 ng  
 RT: 12.857 min Scan# 1813  
 Delta R.T. -0.006 min  
 Lab File: BF144027.D  
 Acq: 21 Oct 2025 22:24

Tgt Ion:202 Resp: 61586

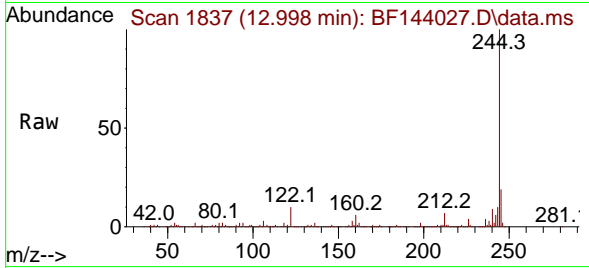
Ion	Ratio	Lower	Upper
202	100		
200	23.4	17.0	25.6
203	19.3	13.8	20.6



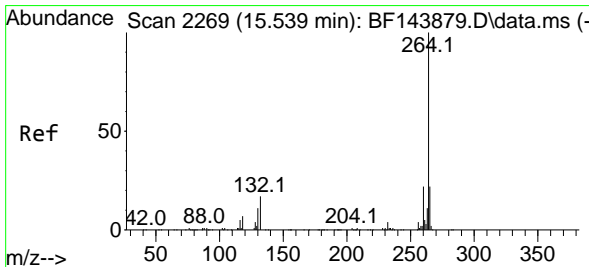
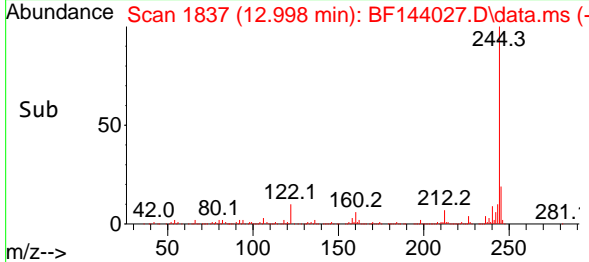
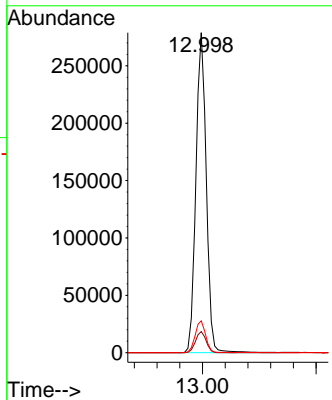


#79  
 Terphenyl-d14  
 Concen: 20.683 ng  
 RT: 12.998 min Scan# 11  
 Delta R.T. -0.012 min  
 Lab File: BF144027.D  
 Acq: 21 Oct 2025 22:24

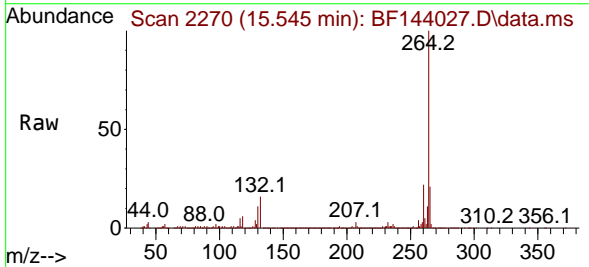
Instrument :  
 BNA\_F  
 ClientSampleId :



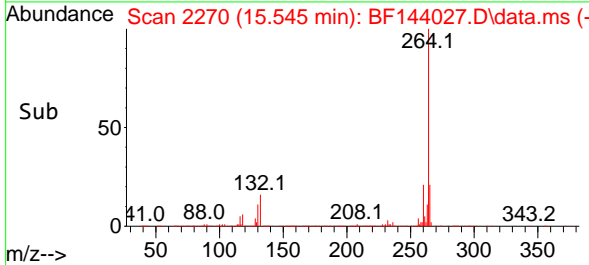
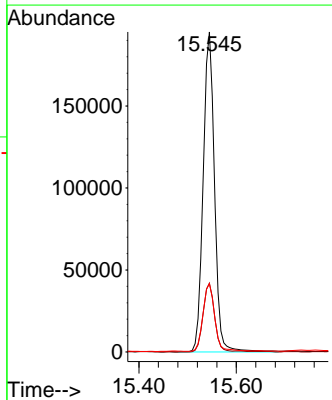
Tgt Ion:244 Resp: 355273  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.4 8.0  
 122 10.0 6.4 9.6#

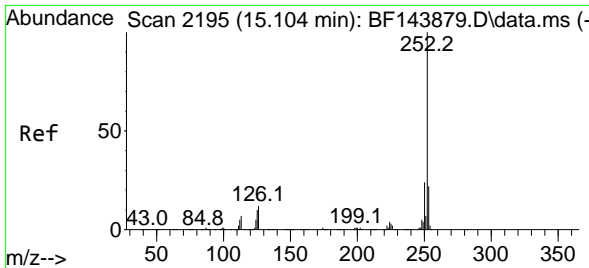


#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.545 min Scan# 2270  
 Delta R.T. 0.000 min  
 Lab File: BF144027.D  
 Acq: 21 Oct 2025 22:24



Tgt Ion:264 Resp: 314832  
 Ion Ratio Lower Upper  
 264 100  
 260 21.5 17.8 26.8  
 265 21.3 17.5 26.3

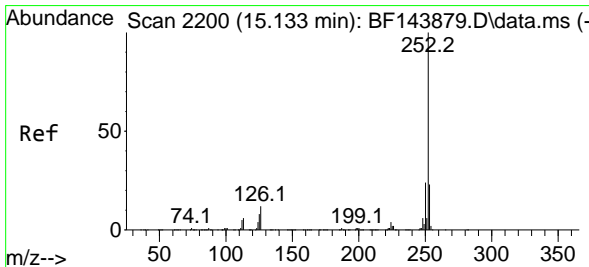
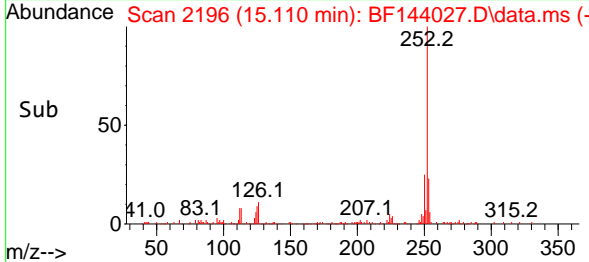
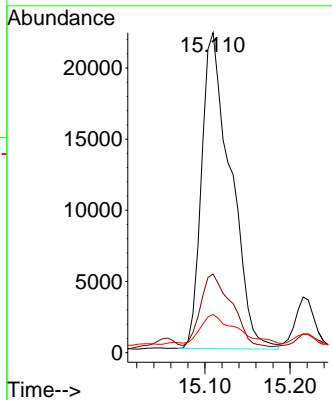
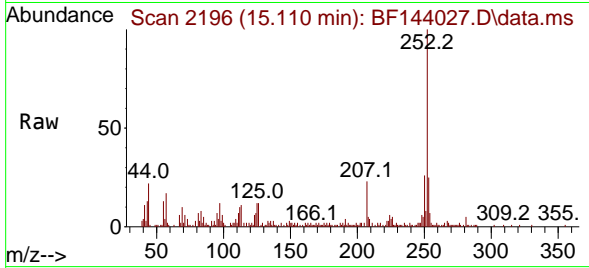




#88  
 Benzo(b)fluoranthene  
 Concen: 2.911 ng  
 RT: 15.110 min Scan# 2196  
 Delta R.T. -0.006 min  
 Lab File: BF144027.D  
 Acq: 21 Oct 2025 22:24

Instrument :  
 BNA\_F  
 ClientSampleId :

Tgt Ion:252 Resp: 52640  
 Ion Ratio Lower Upper  
 252 100  
 253 24.6 17.4 26.2  
 125 12.0 7.8 11.6#



#89  
 Benzo(k)fluoranthene  
 Concen: 3.146 ng  
 RT: 15.110 min Scan# 2196  
 Delta R.T. -0.035 min  
 Lab File: BF144027.D  
 Acq: 21 Oct 2025 22:24

Tgt Ion:252 Resp: 52640  
 Ion Ratio Lower Upper  
 252 100  
 253 24.6 17.8 26.8  
 125 12.0 7.4 11.2#

