

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100825\
 Data File : BF143896.D
 Acq On : 08 Oct 2025 15:40
 Operator : RC/JU
 Sample : Q3303-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HL-WEST

Quant Time: Oct 08 16:00:39 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

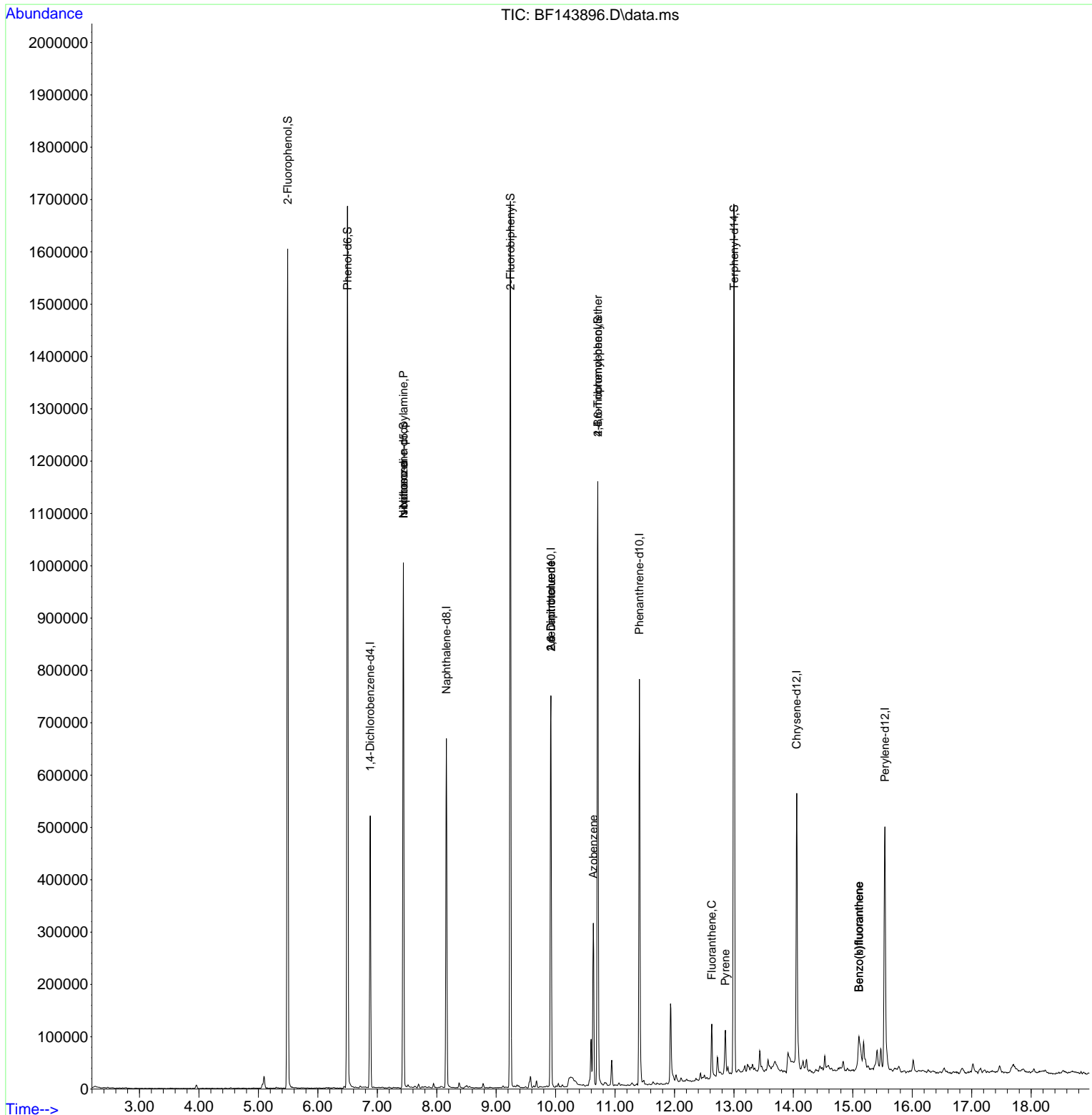
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	105116	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	403466	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	223473	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	396985	20.000	ng	0.00
76) Chrysene-d12	14.057	240	242451	20.000	ng	-0.01
86) Perylene-d12	15.539	264	287484	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	599644	90.588	ng	0.00
7) Phenol-d6	6.498	99	736032	93.286	ng	-0.02
23) Nitrobenzene-d5	7.439	82	412779	62.157	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	211175	94.874	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	766356	54.414	ng	-0.01
79) Terphenyl-d14	13.004	244	882475	62.207	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.439	70	58794	10.886	ng	# 79
25) Isophorone	7.439	82	338555	24.178	ng	# 68
51) 2,6-Dinitrotoluene	9.922	165	28336	10.768	ng	# 25
57) 2,4-Dinitrotoluene	9.922	165	28336	7.914	ng	# 26
63) Azobenzene	10.633	77	79899	5.799	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	13721	3.127	ng	# 1
75) Fluoranthene	12.627	202	52448	2.638	ng	98
78) Pyrene	12.857	202	48203	2.385	ng	97
88) Benzo(b)fluoranthene	15.104	252	41265	2.499	ng	# 97
89) Benzo(k)fluoranthene	15.104	252	41265	2.700	ng	# 96

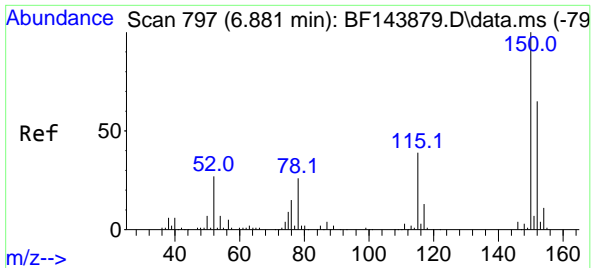
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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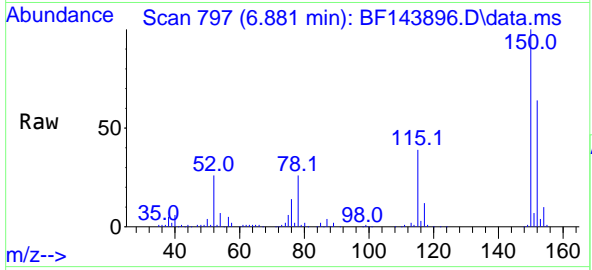
Quant Time: Oct 08 16:00:39 2025
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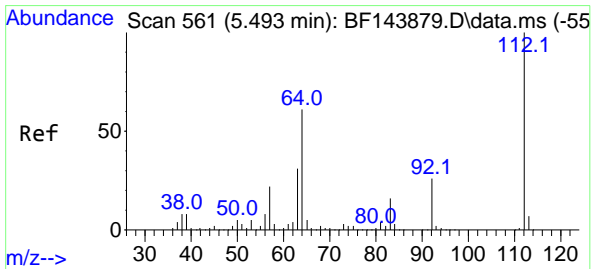
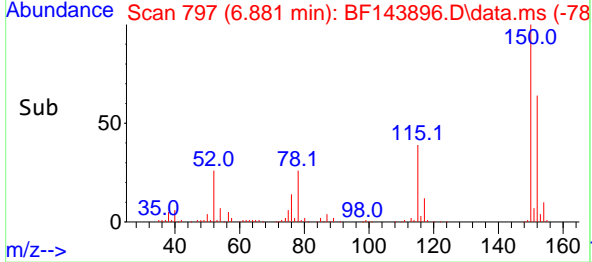
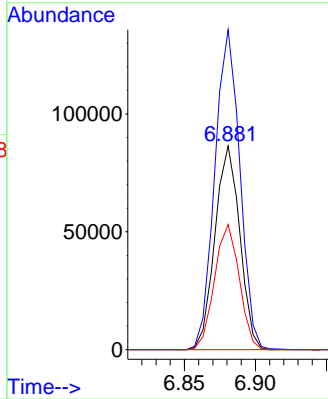


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 797
 Delta R.T. -0.005 min
 Lab File: BF143896.D
 Acq: 08 Oct 2025 15:40

Instrument :
 BNA_F
 ClientSampleId :
 HL-WEST

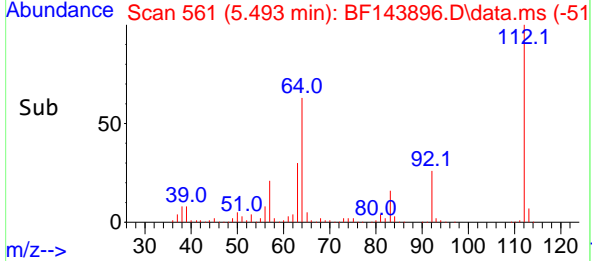
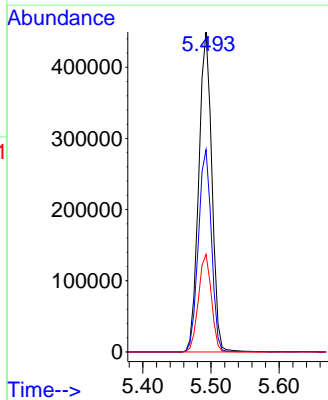
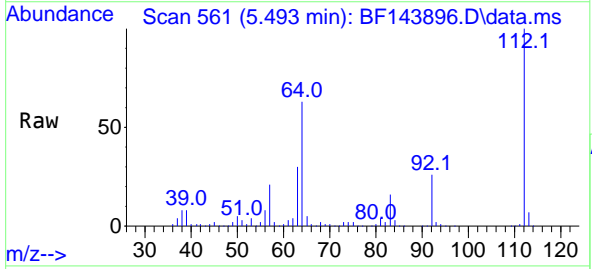


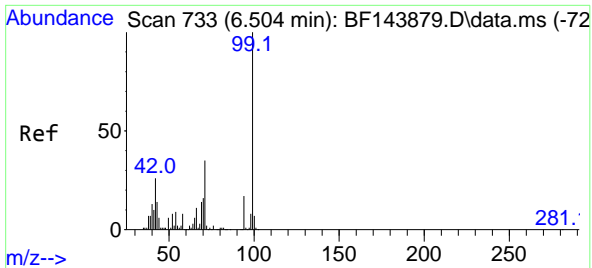
Tgt Ion:152 Resp: 105116
 Ion Ratio Lower Upper
 152 100
 150 157.0 124.4 186.6
 115 61.4 48.1 72.1



#5
 2-Fluorophenol
 Concen: 90.588 ng
 RT: 5.493 min Scan# 561
 Delta R.T. -0.006 min
 Lab File: BF143896.D
 Acq: 08 Oct 2025 15:40

Tgt Ion:112 Resp: 599644
 Ion Ratio Lower Upper
 112 100
 64 63.2 49.1 73.7
 63 30.5 24.5 36.7



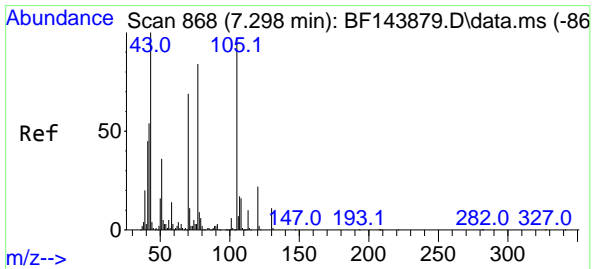
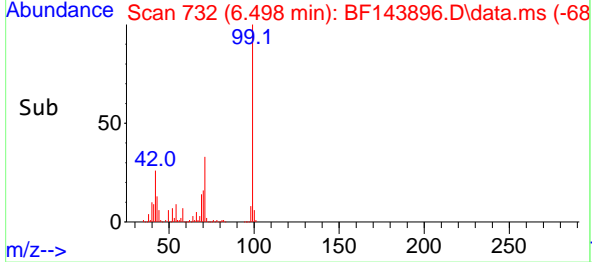
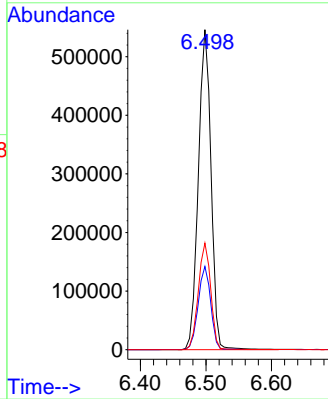
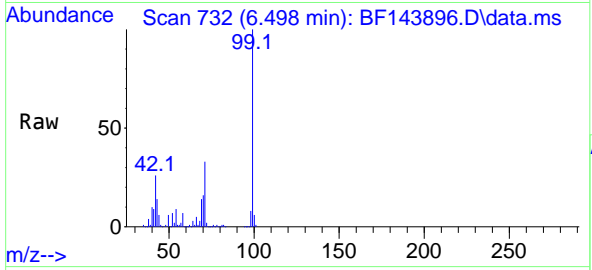


#7
 Phenol-d6
 Concen: 93.286 ng
 RT: 6.498 min Scan# 71
 Delta R.T. -0.018 min
 Lab File: BF143896.D
 Acq: 08 Oct 2025 15:40

Instrument :
 BNA_F
 ClientSampleId :
 HL-WEST

Tgt Ion: 99 Resp: 736032

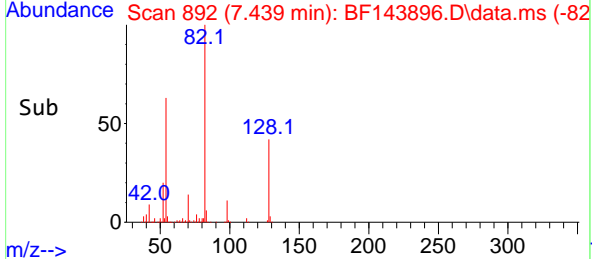
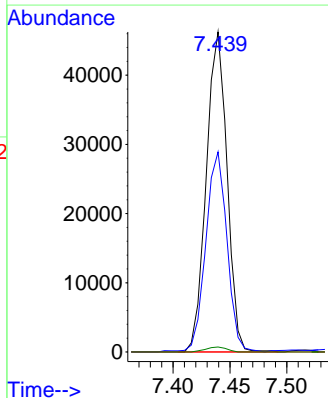
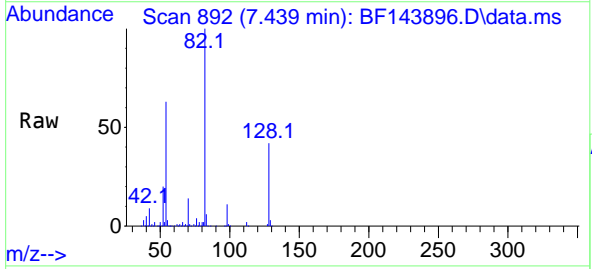
Ion	Ratio	Lower	Upper
99	100		
42	26.0	21.0	31.4
71	33.3	27.8	41.8

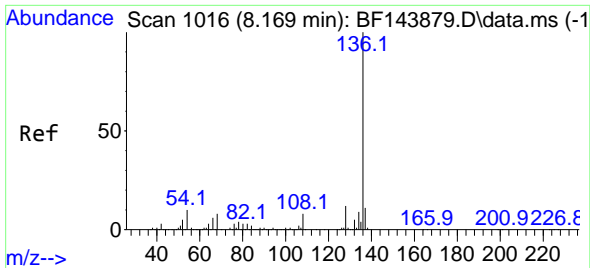


#19
 n-Nitroso-di-n-propylamine
 Concen: 10.886 ng
 RT: 7.439 min Scan# 892
 Delta R.T. 0.124 min
 Lab File: BF143896.D
 Acq: 08 Oct 2025 15:40

Tgt Ion: 70 Resp: 58794

Ion	Ratio	Lower	Upper
70	100		
42	62.5	62.8	94.2#
101	0.0	6.7	10.1#
130	1.6	13.0	19.4#



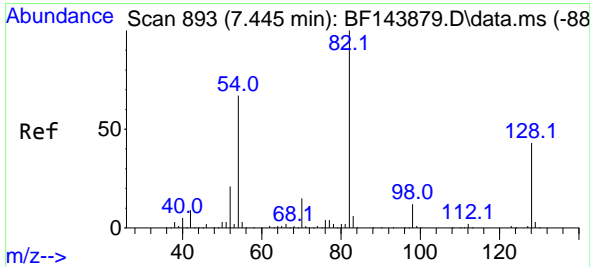
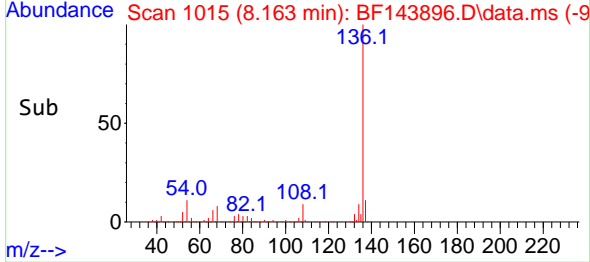
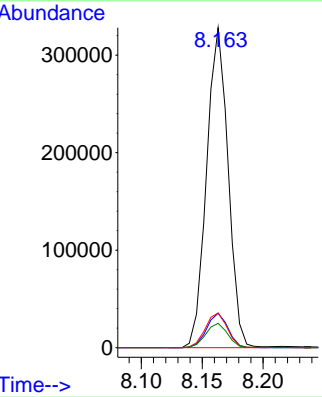
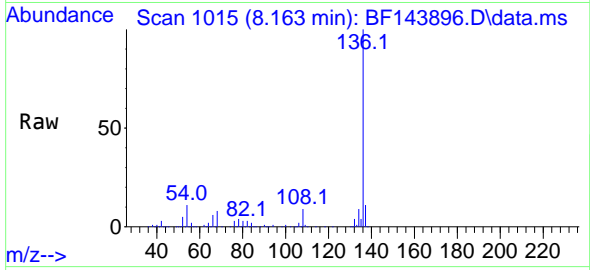


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.163 min Scan# 10
 Delta R.T. -0.006 min
 Lab File: BF143896.D
 Acq: 08 Oct 2025 15:40

Instrument :
 BNA_F
 ClientSampleId :
 HL-WEST

Tgt Ion:136 Resp: 403466

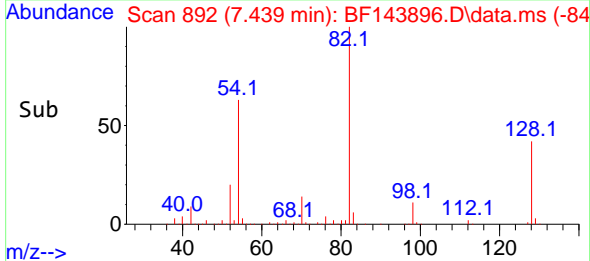
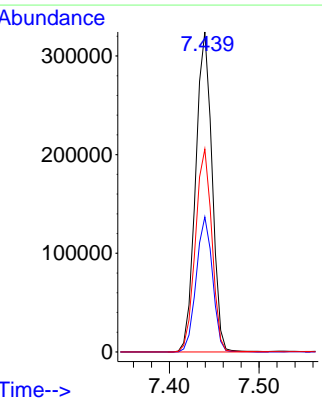
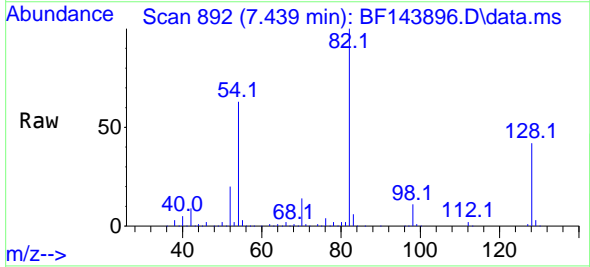
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	10.9	8.2	12.4
68	7.6	6.2	9.4

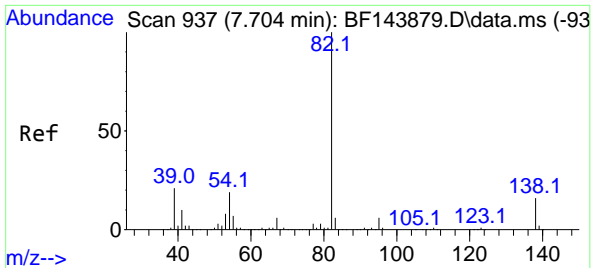


#23
 Nitrobenzene-d5
 Concen: 62.157 ng
 RT: 7.439 min Scan# 892
 Delta R.T. -0.018 min
 Lab File: BF143896.D
 Acq: 08 Oct 2025 15:40

Tgt Ion: 82 Resp: 412779

Ion	Ratio	Lower	Upper
82	100		
128	42.2	34.0	51.0
54	63.4	53.2	79.8



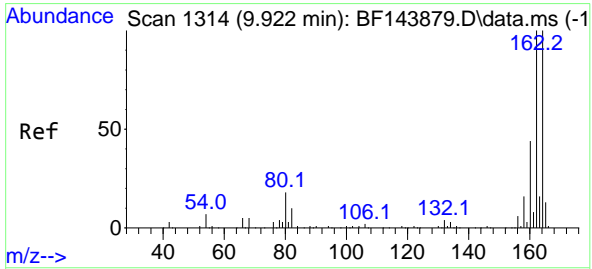
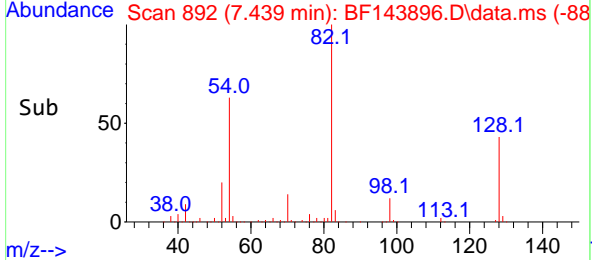
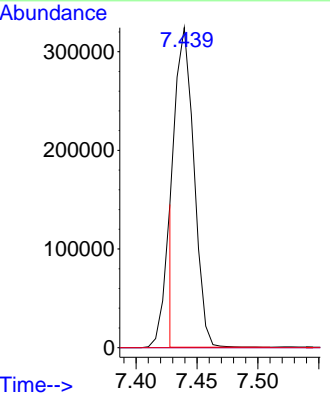
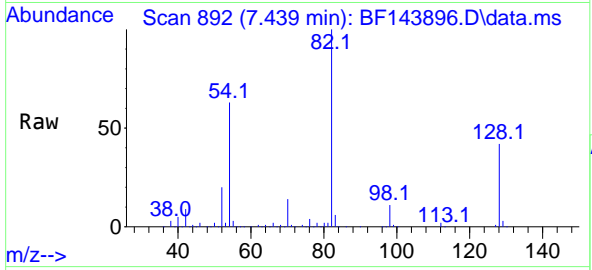


#25
 Isophorone
 Concen: 24.178 ng
 RT: 7.439 min Scan# 892
 Delta R.T. -0.282 min
 Lab File: BF143896.D
 Acq: 08 Oct 2025 15:40

Instrument : BNA_F
 ClientSampleId : HL-WEST

Tgt Ion: 82 Resp: 338555

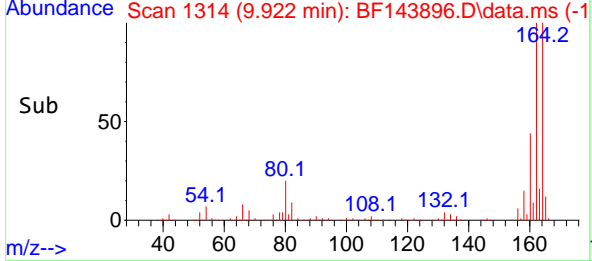
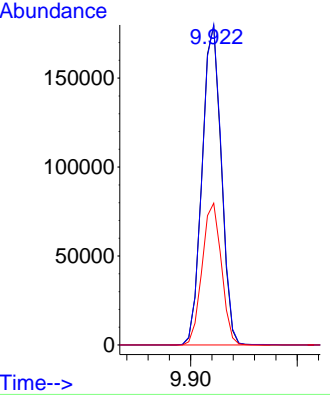
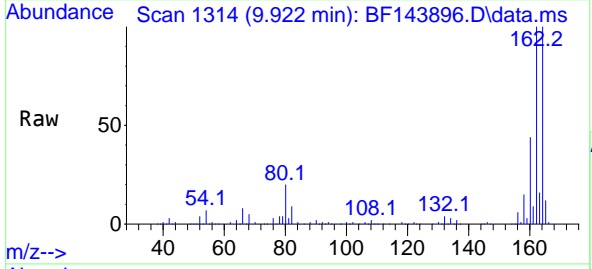
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.1	7.7#
138	0.0	12.9	19.3#

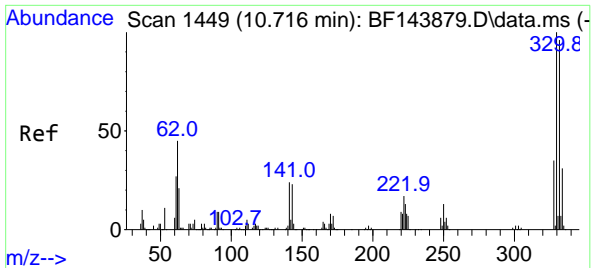


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.922 min Scan# 1314
 Delta R.T. -0.005 min
 Lab File: BF143896.D
 Acq: 08 Oct 2025 15:40

Tgt Ion: 164 Resp: 223473

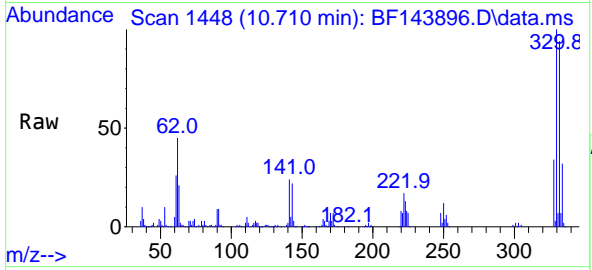
Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.2	120.2
160	44.5	35.4	53.0



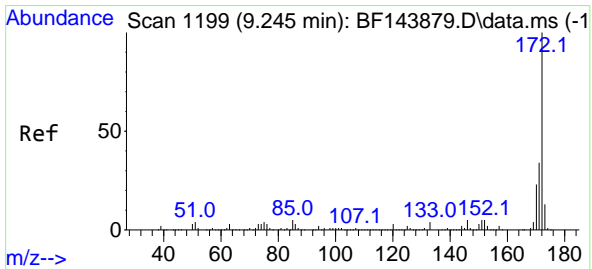
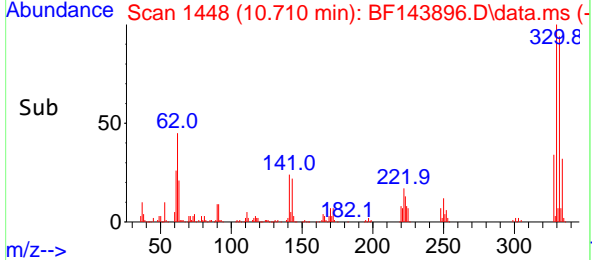
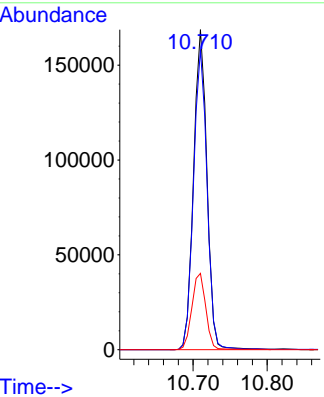


#42
 2,4,6-Tribromophenol
 Concen: 94.874 ng
 RT: 10.710 min Scan# 1448
 Delta R.T. -0.012 min
 Lab File: BF143896.D
 Acq: 08 Oct 2025 15:40

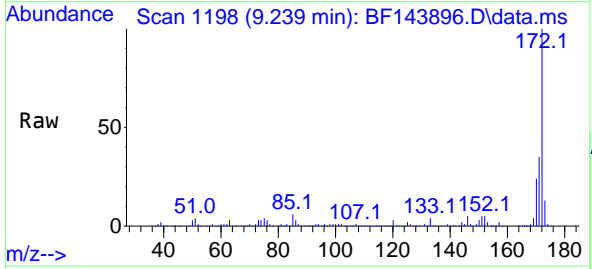
Instrument : BNA_F
 ClientSampleId : HL-WEST



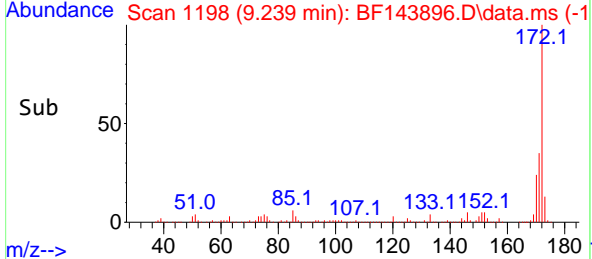
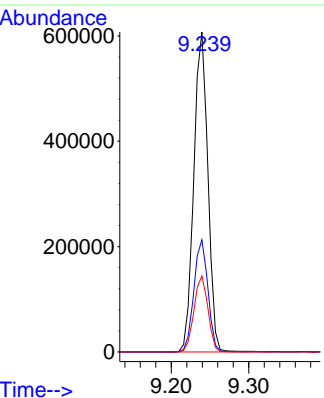
Tgt Ion:330 Resp: 211175
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.9 115.3
 141 24.9 20.2 30.4

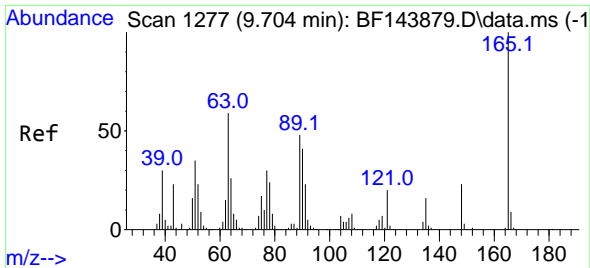


#45
 2-Fluorobiphenyl
 Concen: 54.414 ng
 RT: 9.239 min Scan# 1198
 Delta R.T. -0.012 min
 Lab File: BF143896.D
 Acq: 08 Oct 2025 15:40



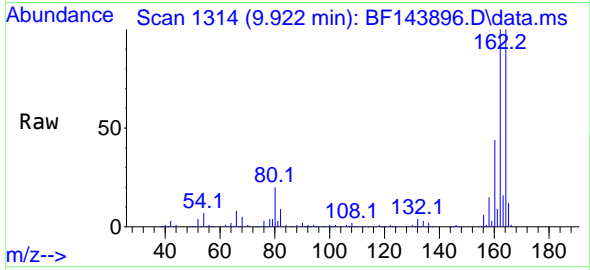
Tgt Ion:172 Resp: 766356
 Ion Ratio Lower Upper
 172 100
 171 35.0 27.4 41.0
 170 23.8 18.6 28.0



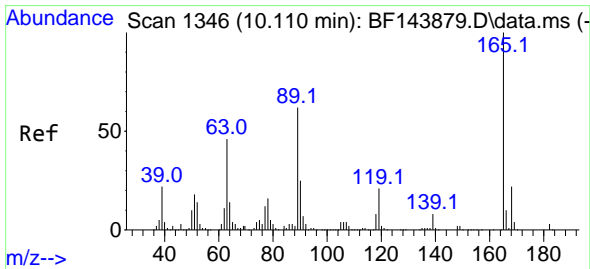
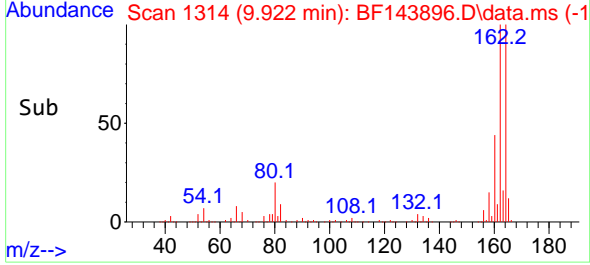
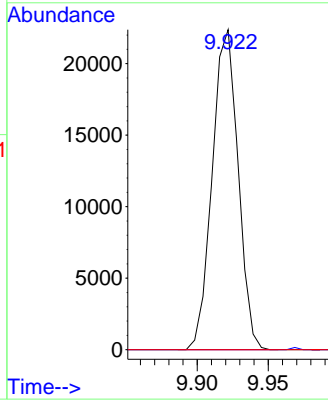


#51
 2,6-Dinitrotoluene
 Concen: 10.768 ng
 RT: 9.922 min Scan# 1314
 Delta R.T. 0.206 min
 Lab File: BF143896.D
 Acq: 08 Oct 2025 15:40

Instrument :
 BNA_F
 ClientSampleId :
 HL-WEST

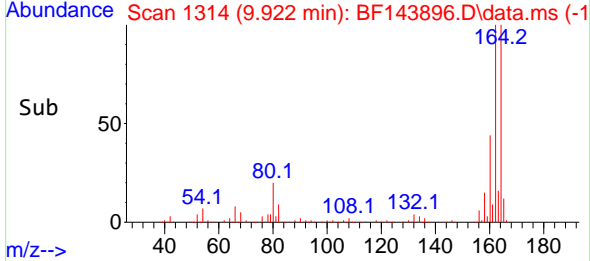
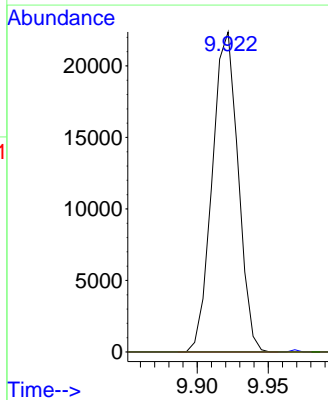
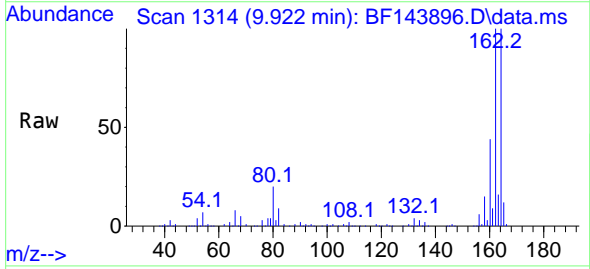


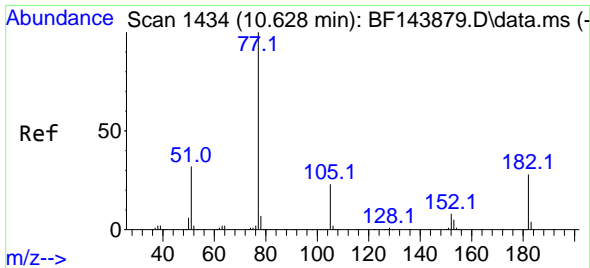
Tgt Ion:165 Resp: 28336
 Ion Ratio Lower Upper
 165 100
 63 0.0 47.3 70.9#
 89 0.0 38.2 57.4#



#57
 2,4-Dinitrotoluene
 Concen: 7.914 ng
 RT: 9.922 min Scan# 1314
 Delta R.T. -0.194 min
 Lab File: BF143896.D
 Acq: 08 Oct 2025 15:40

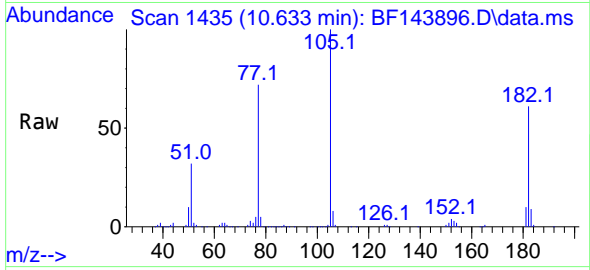
Tgt Ion:165 Resp: 28336
 Ion Ratio Lower Upper
 165 100
 63 0.0 37.2 55.8#
 89 0.0 49.4 74.2#
 182 0.0 2.1 3.1#



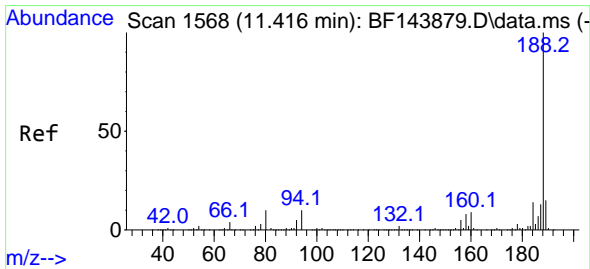
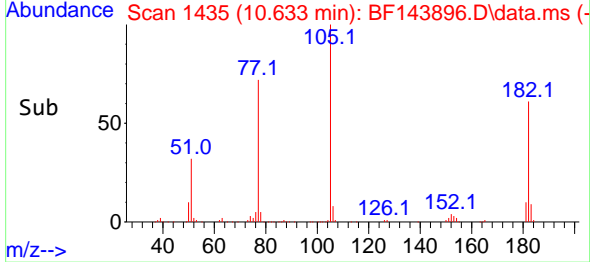
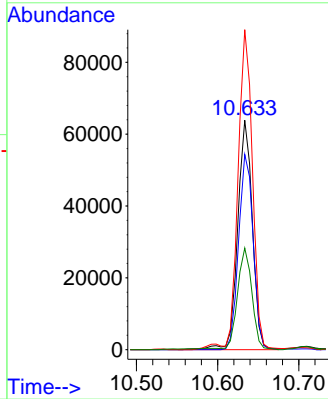


#63
 Azobenzene
 Concen: 5.799 ng
 RT: 10.633 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: BF143896.D
 Acq: 08 Oct 2025 15:40

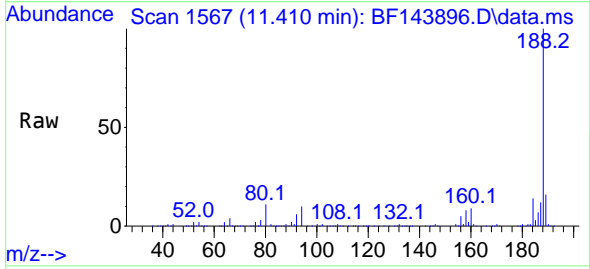
Instrument :
 BNA_F
 ClientSampleId :
 HL-WEST



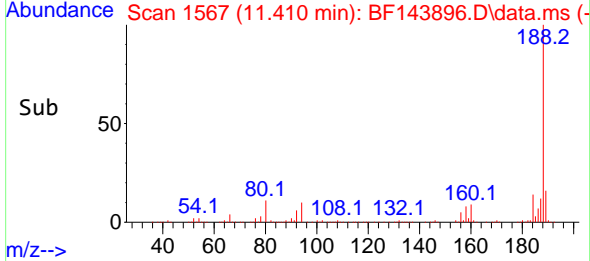
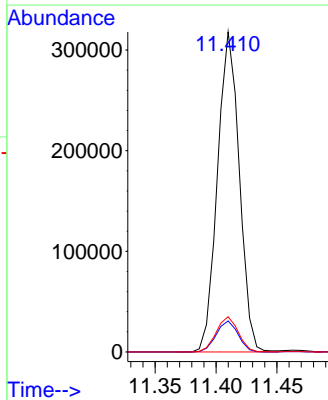
Tgt Ion: 77 Resp: 79899
 Ion Ratio Lower Upper
 77 100
 182 85.1 7.3 47.3#
 105 139.5 3.0 43.0#
 51 44.3 13.5 53.5

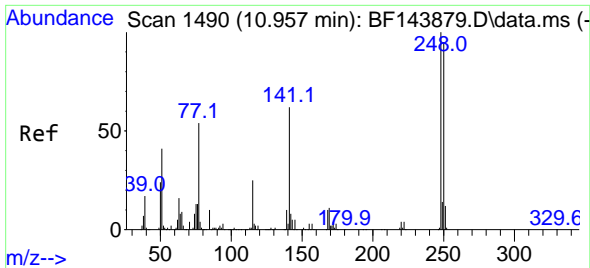


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.410 min Scan# 1567
 Delta R.T. -0.006 min
 Lab File: BF143896.D
 Acq: 08 Oct 2025 15:40



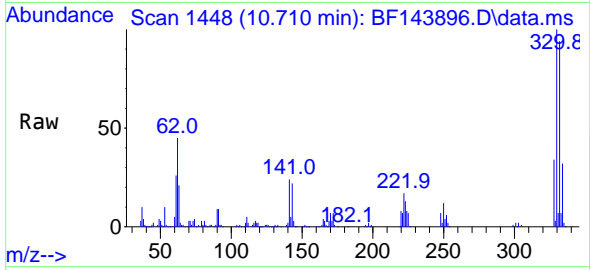
Tgt Ion: 188 Resp: 396985
 Ion Ratio Lower Upper
 188 100
 94 9.7 7.8 11.6
 80 11.0 7.9 11.9



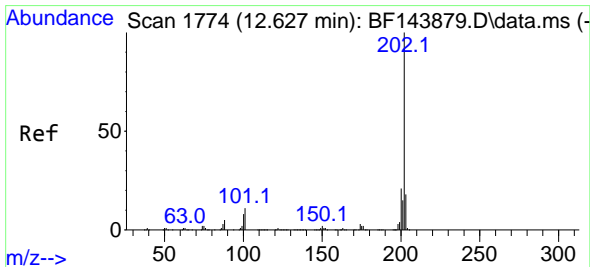
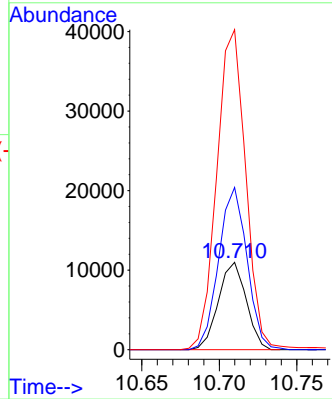
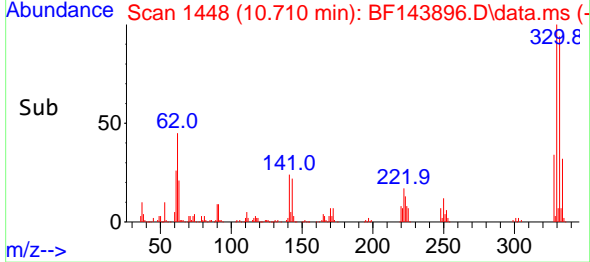


#67
 4-Bromophenyl-phenylether
 Concen: 3.127 ng
 RT: 10.710 min Scan# 14
 Delta R.T. -0.253 min
 Lab File: BF143896.D
 Acq: 08 Oct 2025 15:40

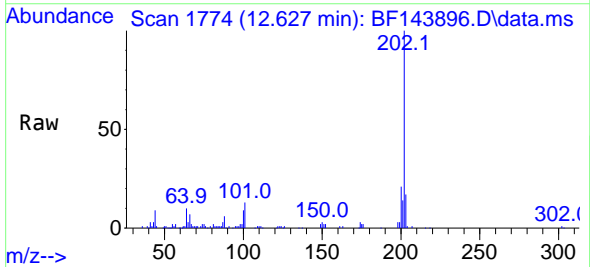
Instrument :
 BNA_F
 ClientSampleId :
 HL-WEST



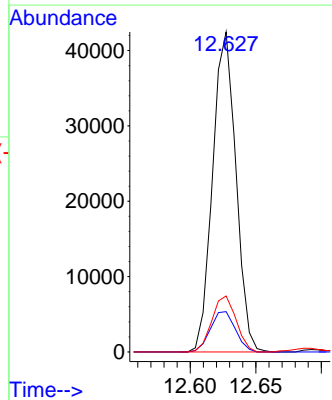
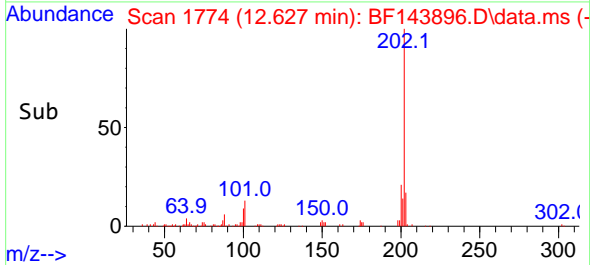
Tgt Ion:248 Resp: 13721
 Ion Ratio Lower Upper
 248 100
 250 185.9 76.3 114.5#
 141 366.6 49.7 74.5#

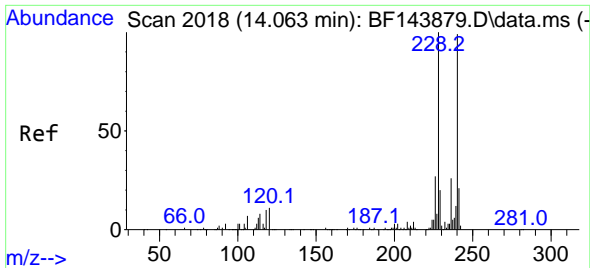


#75
 Fluoranthene
 Concen: 2.638 ng
 RT: 12.627 min Scan# 1774
 Delta R.T. -0.006 min
 Lab File: BF143896.D
 Acq: 08 Oct 2025 15:40



Tgt Ion:202 Resp: 52448
 Ion Ratio Lower Upper
 202 100
 101 12.6 0.0 30.7
 203 17.5 0.0 37.8

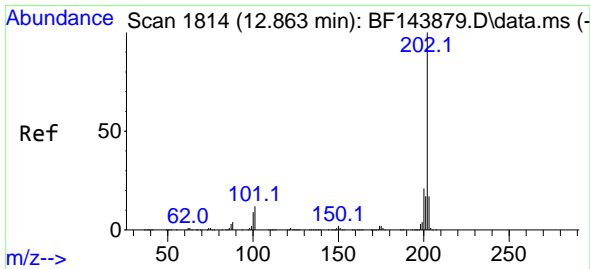
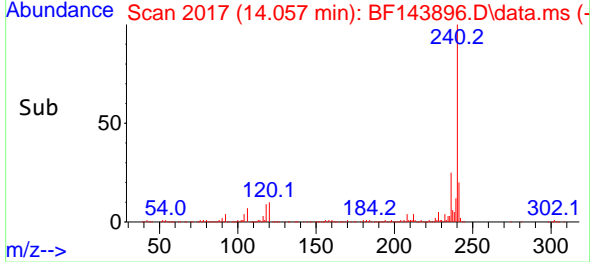
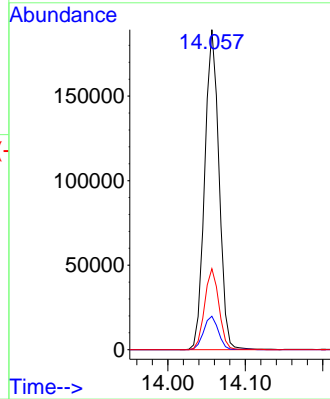
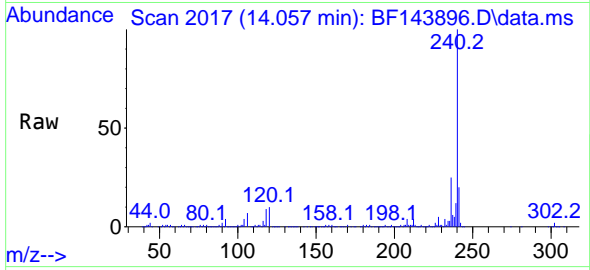




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.057 min Scan# 20
 Delta R.T. -0.011 min
 Lab File: BF143896.D
 Acq: 08 Oct 2025 15:40

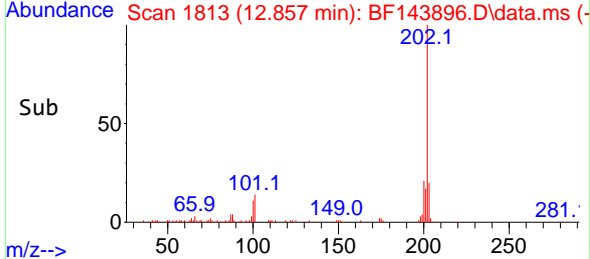
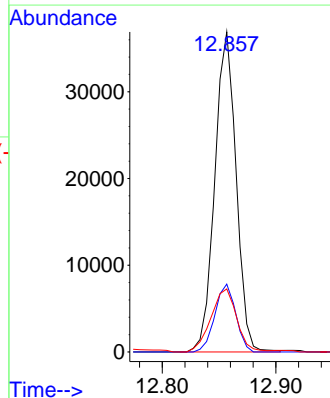
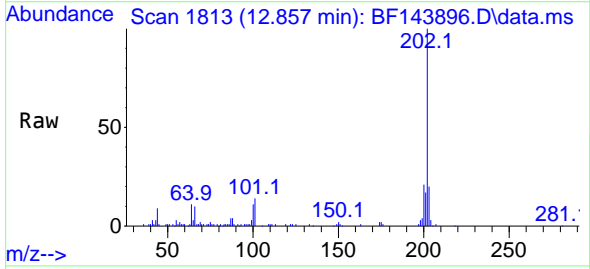
Instrument :
 BNA_F
 ClientSampleId :
 HL-WEST

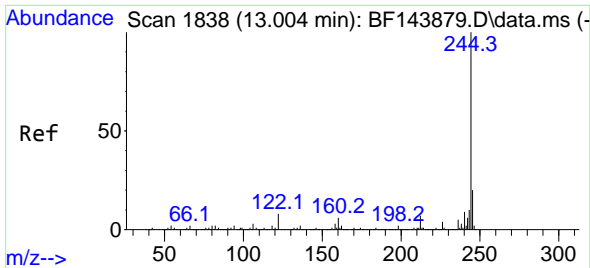
Tgt Ion:240 Resp: 242451
 Ion Ratio Lower Upper
 240 100
 120 10.5 8.6 13.0
 236 25.3 21.1 31.7



#78
 Pyrene
 Concen: 2.385 ng
 RT: 12.857 min Scan# 1813
 Delta R.T. -0.006 min
 Lab File: BF143896.D
 Acq: 08 Oct 2025 15:40

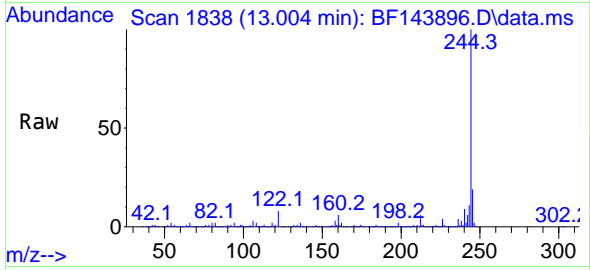
Tgt Ion:202 Resp: 48203
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.0 25.6
 203 19.7 13.8 20.6



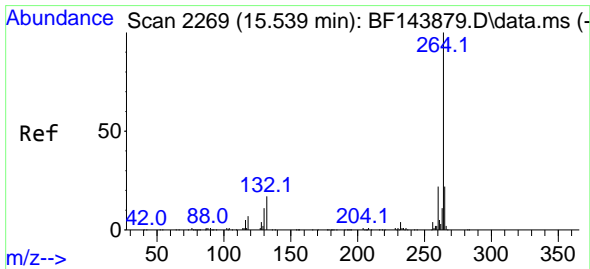
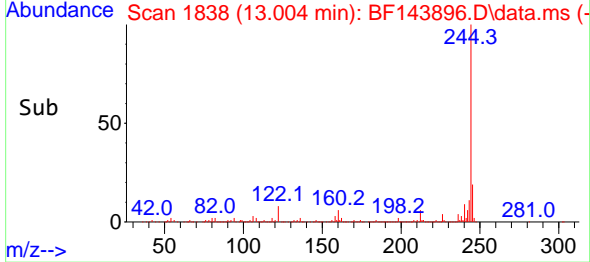
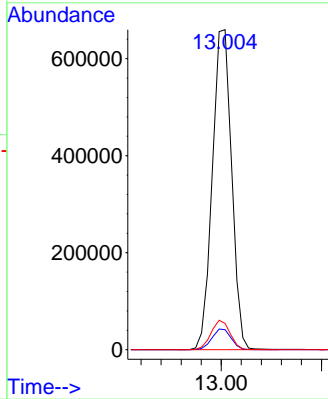


#79
 Terphenyl-d14
 Concen: 62.207 ng
 RT: 13.004 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF143896.D
 Acq: 08 Oct 2025 15:40

Instrument :
 BNA_F
 ClientSampleId :
 HL-WEST

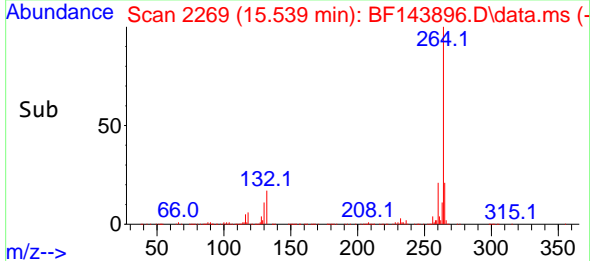
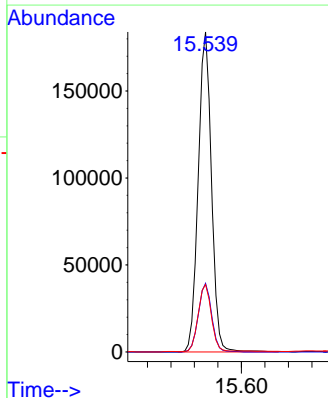
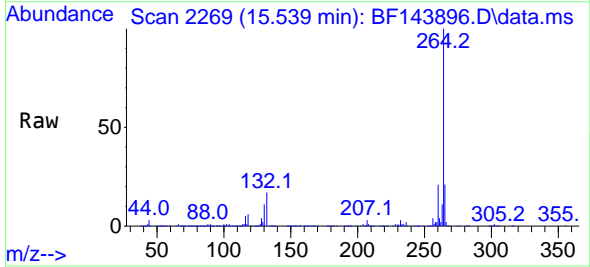


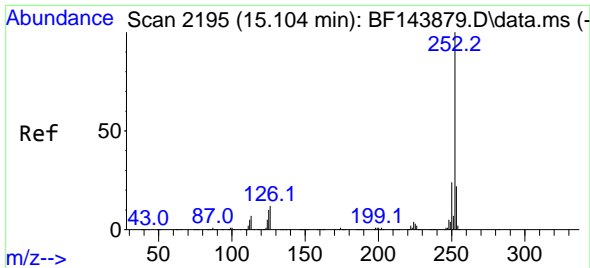
Tgt Ion:244 Resp: 882475
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.4 8.0
 122 8.2 6.4 9.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. -0.006 min
 Lab File: BF143896.D
 Acq: 08 Oct 2025 15:40

Tgt Ion:264 Resp: 287484
 Ion Ratio Lower Upper
 264 100
 260 21.4 17.8 26.8
 265 21.1 17.5 26.3

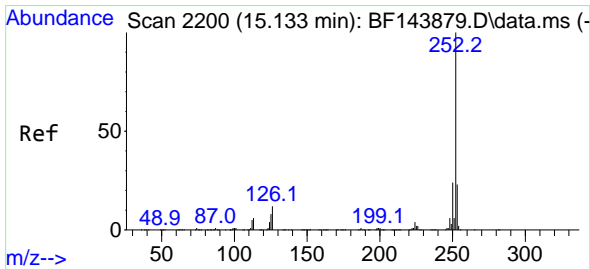
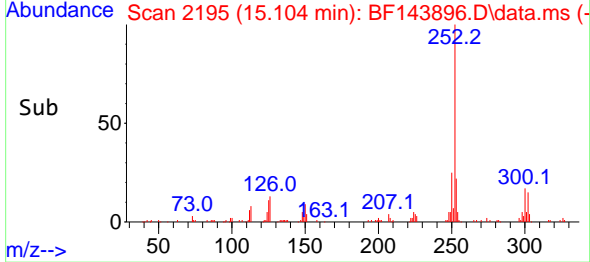
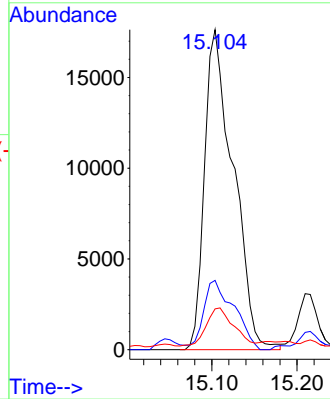
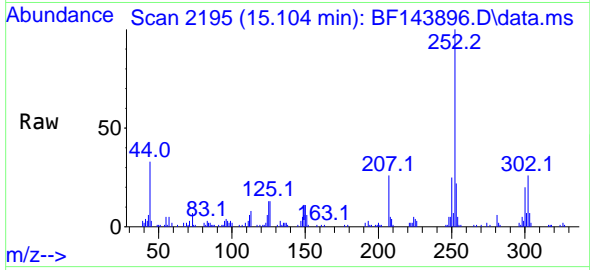




#88
 Benzo(b)fluoranthene
 Concen: 2.499 ng
 RT: 15.104 min Scan# 2195
 Delta R.T. -0.012 min
 Lab File: BF143896.D
 Acq: 08 Oct 2025 15:40

Instrument : BNA_F
 ClientSampleId : HL-WEST

Tgt Ion	Resp	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	12.7	7.8	11.6#



#89
 Benzo(k)fluoranthene
 Concen: 2.700 ng
 RT: 15.104 min Scan# 2195
 Delta R.T. -0.041 min
 Lab File: BF143896.D
 Acq: 08 Oct 2025 15:40

Tgt Ion	Resp	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	12.7	7.4	11.2#

