

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
 Data File : BF143704.D
 Acq On : 11 Sep 2025 14:03
 Operator : RC/JU
 Sample : Q3048-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-258

Quant Time: Sep 11 14:26:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 09 15:20:16 2025
 Response via : Initial Calibration

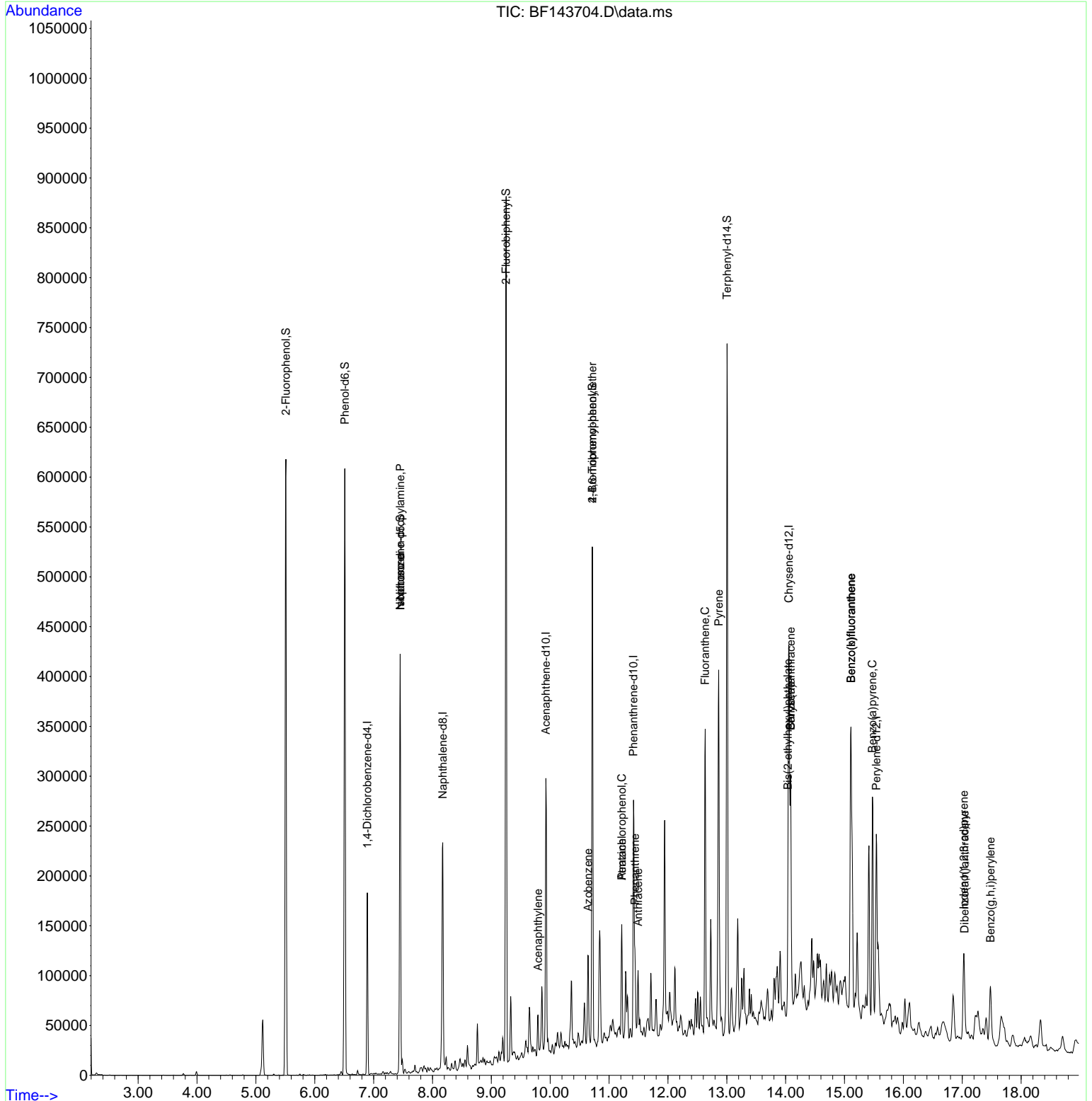
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	38598	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	143125	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	82839	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	124197	20.000	ng	0.00
76) Chrysene-d12	14.057	240	95120	20.000	ng	0.01
86) Perylene-d12	15.539	264	107327	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	252424	111.579	ng	0.01
7) Phenol-d6	6.510	99	313946	113.973	ng	0.00
23) Nitrobenzene-d5	7.451	82	188244	81.809	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	90277	108.138	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	399720	72.891	ng	0.00
79) Terphenyl-d14	13.004	244	343569	58.532	ng	0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.451	70	25089	14.830	ng	# 79
25) Isophorone	7.451	82	187909	42.587	ng	# 64
49) Acenaphthylene	9.792	152	21374	3.192	ng	99
63) Azobenzene	10.645	77	20041	4.480	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	5808	3.878	ng	# 1
69) Atrazine	11.216	200	3372	2.643	ng	# 35
70) Pentachlorophenol	11.216	266	17956	18.783	ng	99
71) Phenanthrene	11.439	178	45212	6.607	ng	99
72) Anthracene	11.492	178	38252	5.559	ng	99
75) Fluoranthene	12.633	202	170128	27.082	ng	100
78) Pyrene	12.863	202	201960	26.555	ng	98
81) Benzo(a)anthracene	14.086	228	124067	20.274	ng	96
83) Chrysene	14.086	228	124067	22.137	ng	97
84) Bis(2-ethylhexyl)phtha...	14.039	149	10887	3.202	ng	98
87) Indeno(1,2,3-cd)pyrene	17.027	276	62835	8.578	ng	94
88) Benzo(b)fluoranthene	15.110	252	270261	42.301	ng	97
89) Benzo(k)fluoranthene	15.110	252	270261	46.871	ng	98
90) Benzo(a)pyrene	15.474	252	142512	25.390	ng	99
91) Dibenzo(a,h)anthracene	17.039	278	17492	2.878	ng	# 92
92) Benzo(g,h,i)perylene	17.480	276	54563	9.599	ng	98

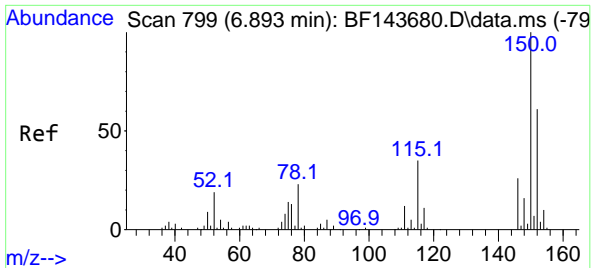
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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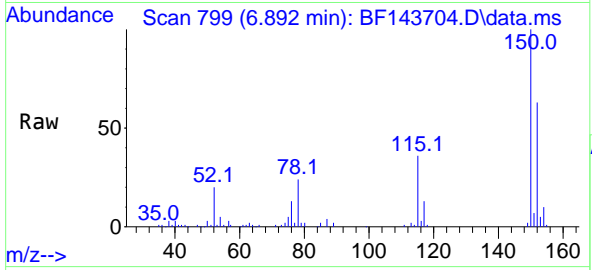
Quant Time: Sep 11 14:26:16 2025
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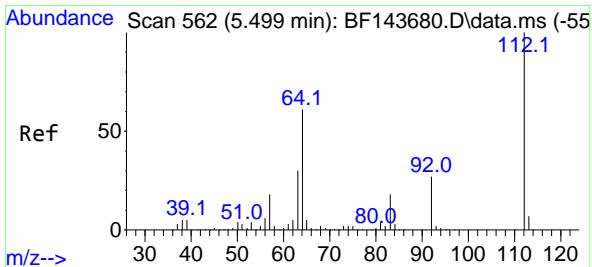
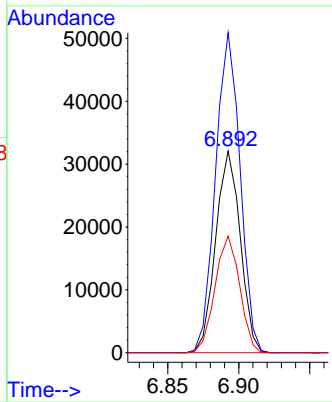
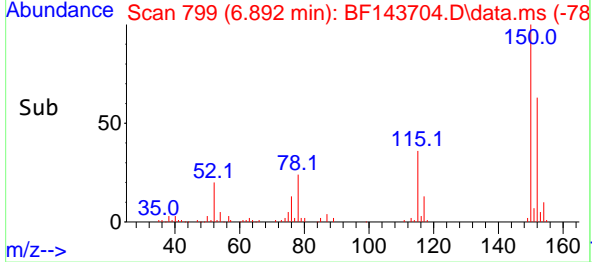


#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 799
 Delta R.T. -0.001 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03

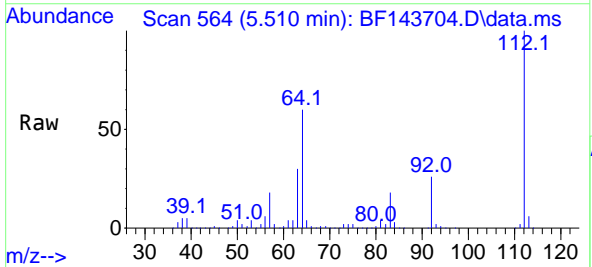
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 BNA_F
 ClientSampleId :
 VNJ-258



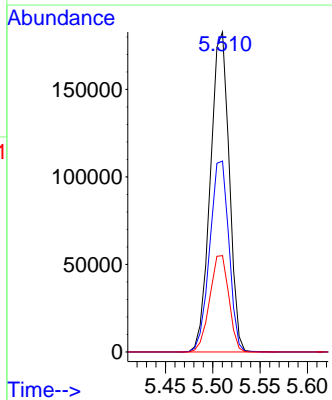
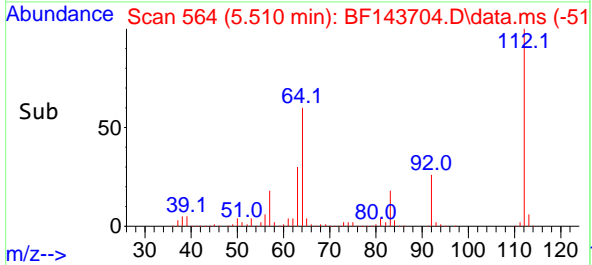
Tgt Ion:152 Resp: 38598
 Ion Ratio Lower Upper
 152 100
 150 158.7 130.7 196.1
 115 57.8 45.9 68.9

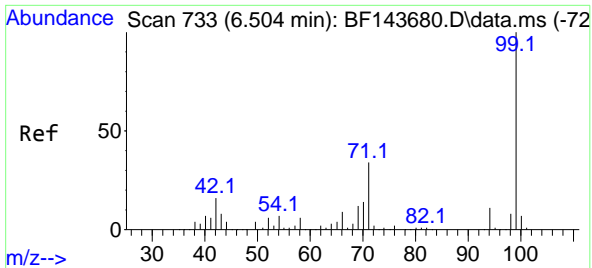


#5
 2-Fluorophenol
 Concen: 111.579 ng
 RT: 5.510 min Scan# 564
 Delta R.T. 0.012 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03



Tgt Ion:112 Resp: 252424
 Ion Ratio Lower Upper
 112 100
 64 59.7 49.0 73.4
 63 30.1 24.3 36.5

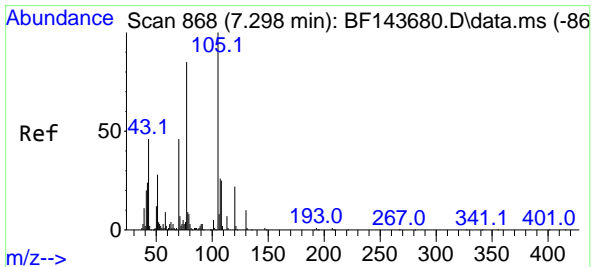
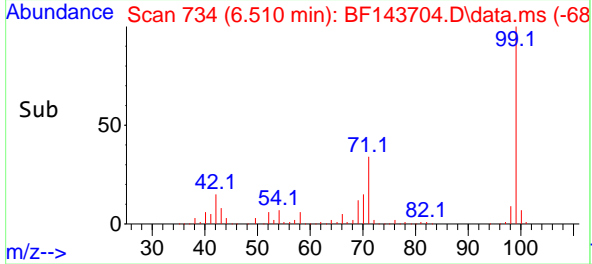
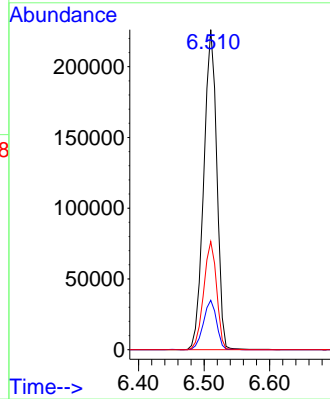
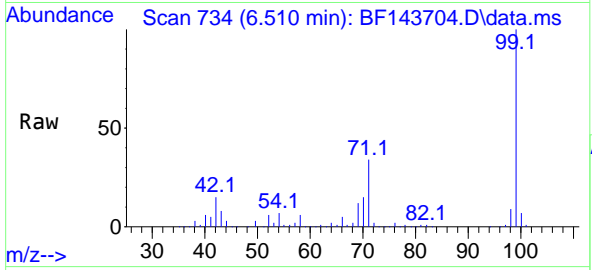




#7
Pheno1-d6
Concen: 113.973 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF143704.D
Acq: 11 Sep 2025 14:03

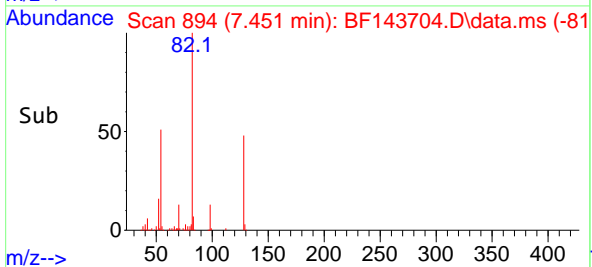
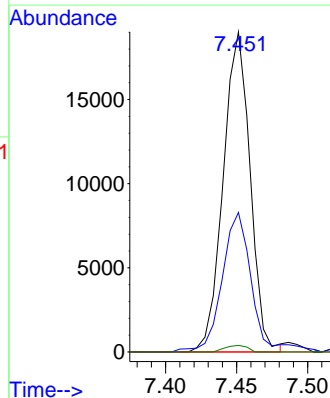
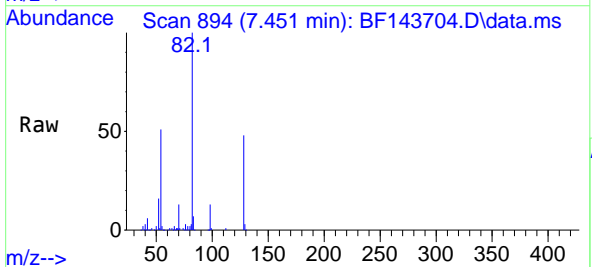
Instrument :
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VNJ-258

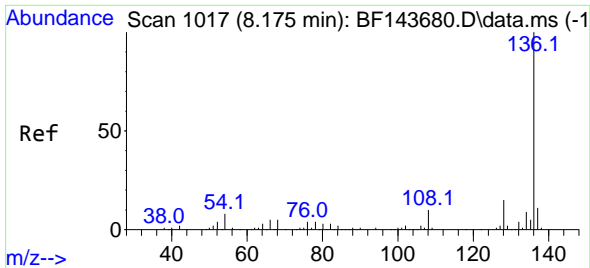
Tgt Ion: 99 Resp: 313946
Ion Ratio Lower Upper
99 100
42 15.4 13.0 19.4
71 33.8 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.830 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.153 min
Lab File: BF143704.D
Acq: 11 Sep 2025 14:03

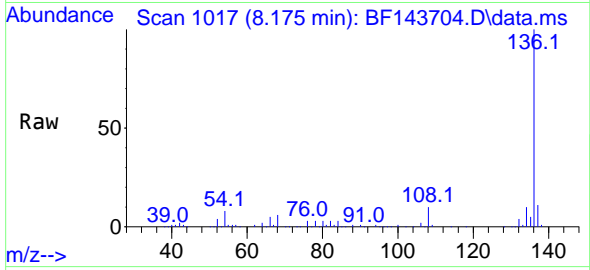
Tgt Ion: 70 Resp: 25089
Ion Ratio Lower Upper
70 100
42 43.6 41.4 62.2
101 0.0 8.1 12.1#
130 2.1 17.3 25.9#



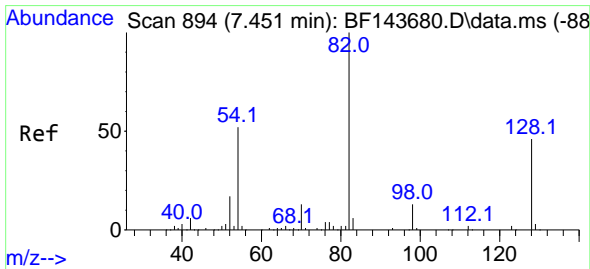
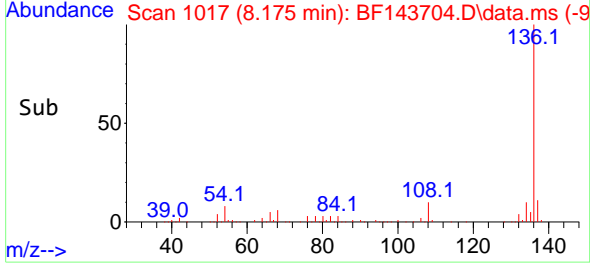
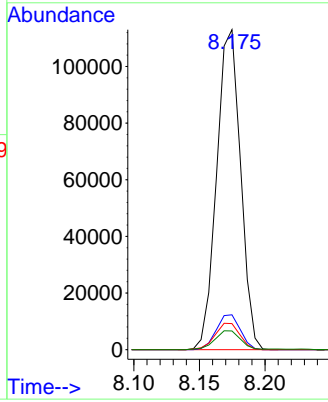


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.175 min Scan# 1017
 Delta R.T. -0.000 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03

Instrument : BNA_F
 ClientSampleId : VNJ-258

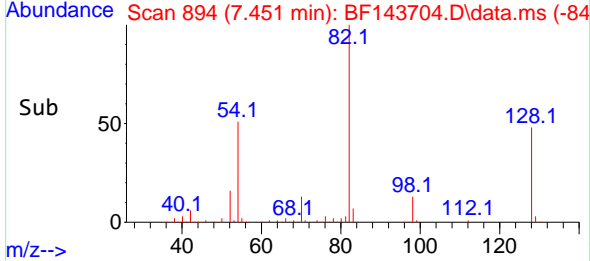
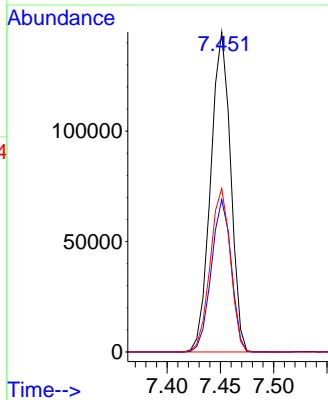
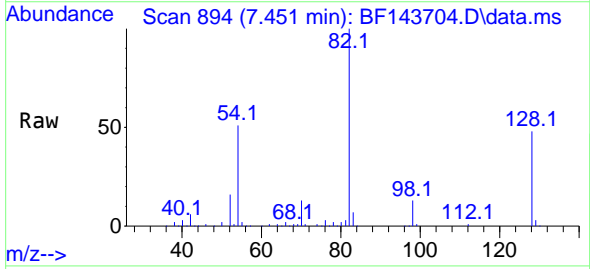


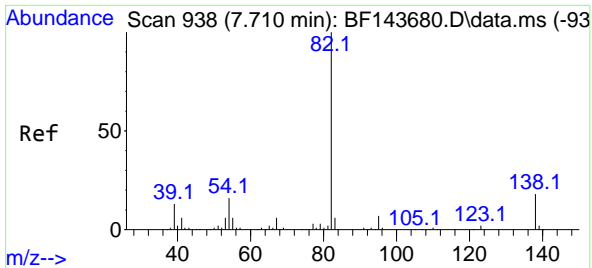
Tgt Ion:136 Resp: 143125
 Ion Ratio Lower Upper
 136 100
 137 10.9 8.7 13.1
 54 8.2 6.2 9.2
 68 5.9 4.2 6.4



#23
 Nitrobenzene-d5
 Concen: 81.809 ng
 RT: 7.451 min Scan# 894
 Delta R.T. -0.000 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03

Tgt Ion: 82 Resp: 188244
 Ion Ratio Lower Upper
 82 100
 128 47.6 37.0 55.4
 54 51.1 41.8 62.8



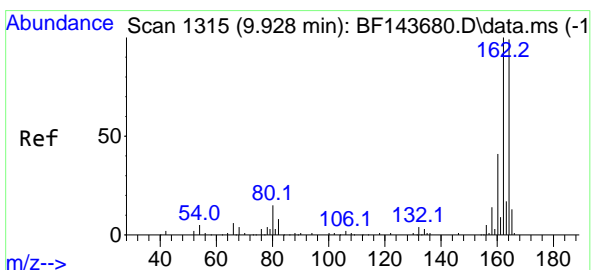
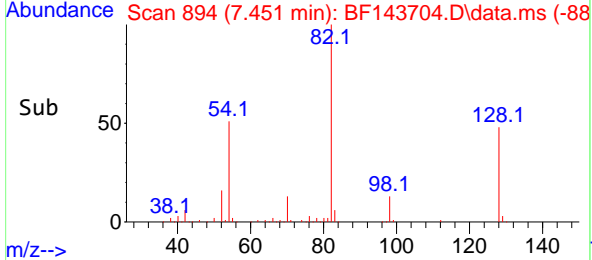
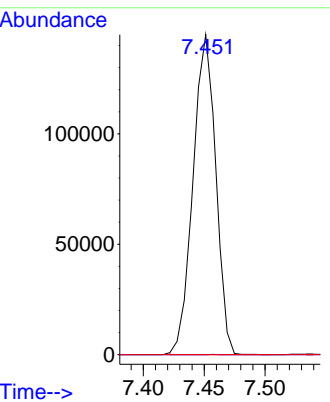
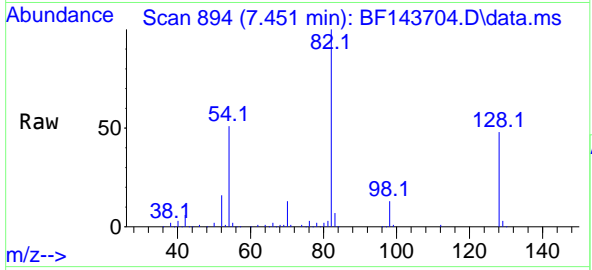


#25
 Isophorone
 Concen: 42.587 ng
 RT: 7.451 min Scan# 894
 Delta R.T. -0.259 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03

Instrument : BNA_F
 Client SampleId : VNJ-258

Tgt Ion: 82 Resp: 187909

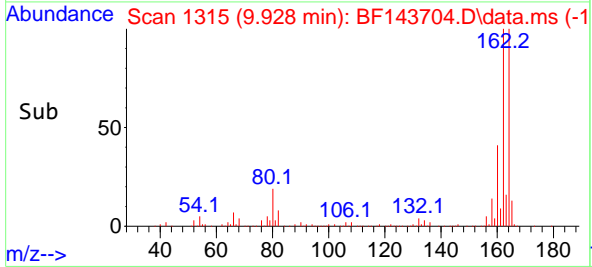
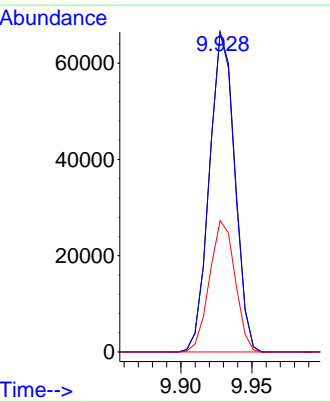
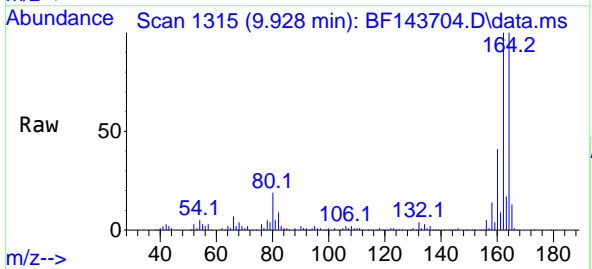
Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.7	8.5#
138	0.0	14.8	22.2#

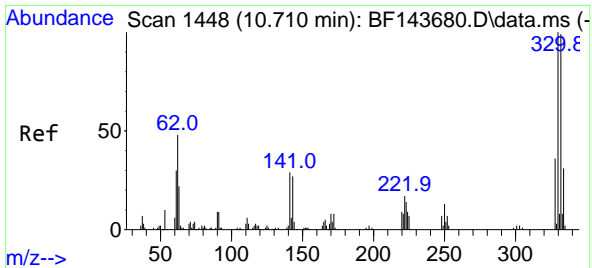


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.928 min Scan# 1315
 Delta R.T. -0.000 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03

Tgt Ion: 164 Resp: 82839

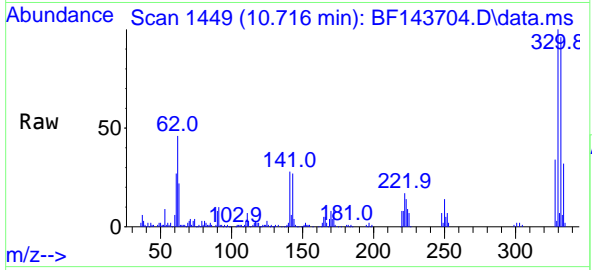
Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.6	121.0
160	41.0	33.0	49.4



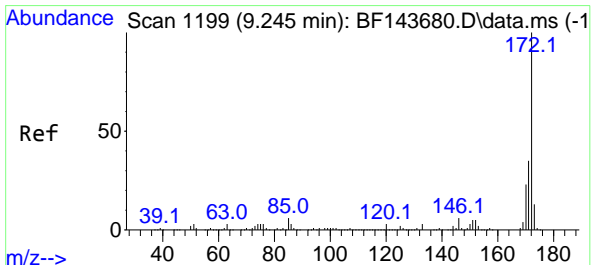
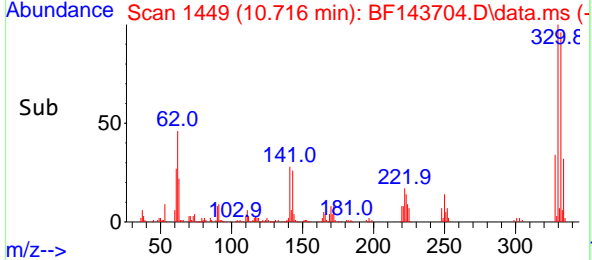
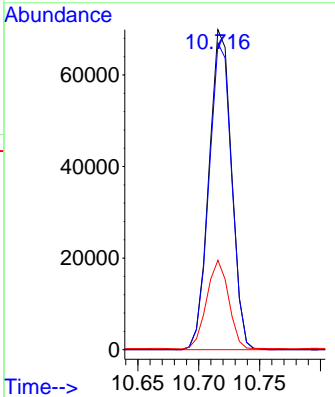


#42
 2,4,6-Tribromophenol
 Concen: 108.138 ng
 RT: 10.716 min Scan# 14
 Delta R.T. 0.006 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03

Instrument : BNA_F
 ClientSampleId : VNJ-258

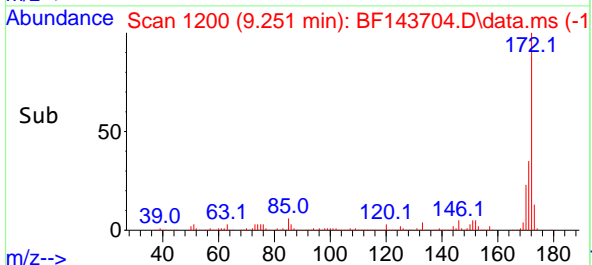
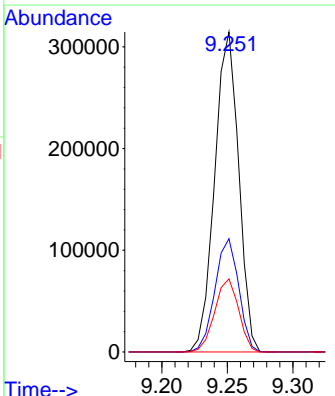
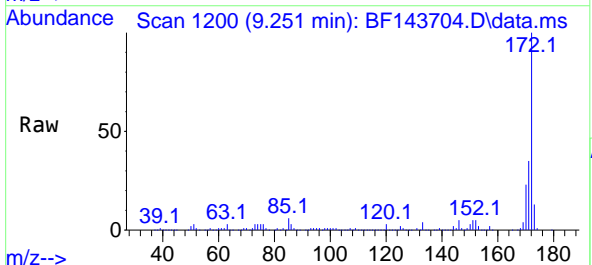


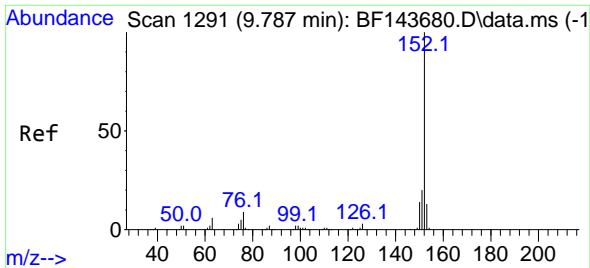
Tgt Ion:330 Resp: 90277
 Ion Ratio Lower Upper
 330 100
 332 96.4 79.2 118.8
 141 26.9 22.2 33.4



#45
 2-Fluorobiphenyl
 Concen: 72.891 ng
 RT: 9.251 min Scan# 1200
 Delta R.T. 0.006 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03

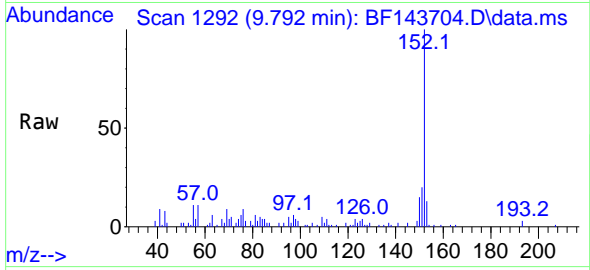
Tgt Ion:172 Resp: 399720
 Ion Ratio Lower Upper
 172 100
 171 35.4 27.9 41.9
 170 22.9 18.6 27.8



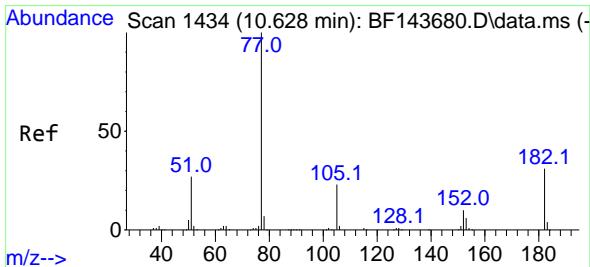
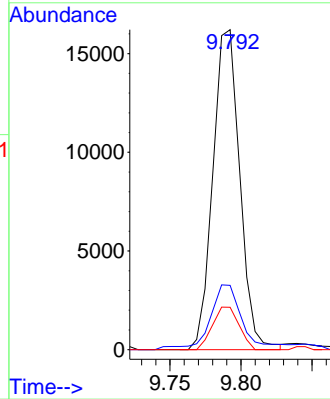
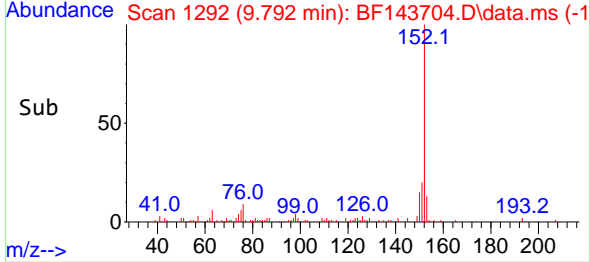


#49
 Acenaphthylene
 Concen: 3.192 ng
 RT: 9.792 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03

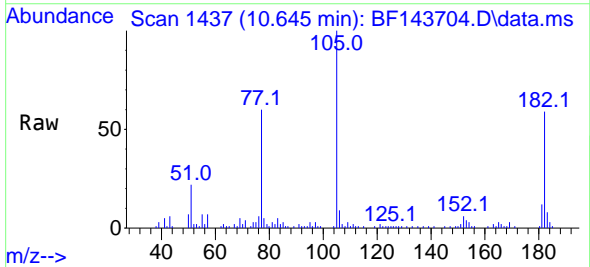
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 VNJ-258



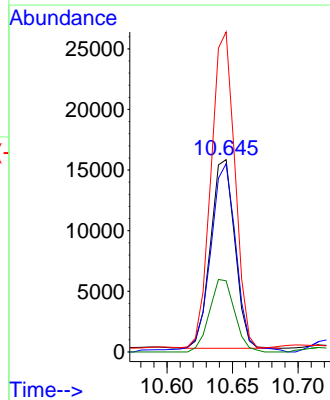
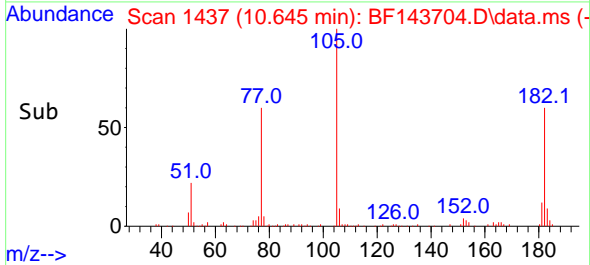
Tgt Ion:152 Resp: 21374
 Ion Ratio Lower Upper
 152 100
 151 20.1 15.9 23.9
 153 13.3 10.4 15.6

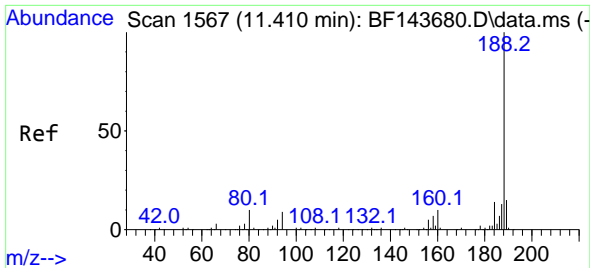


#63
 Azobenzene
 Concen: 4.480 ng
 RT: 10.645 min Scan# 1437
 Delta R.T. 0.017 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03



Tgt Ion: 77 Resp: 20041
 Ion Ratio Lower Upper
 77 100
 182 97.8 10.8 50.8#
 105 166.3 3.2 43.2#
 51 37.0 7.7 47.7

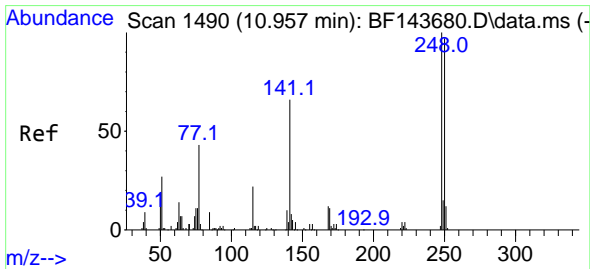
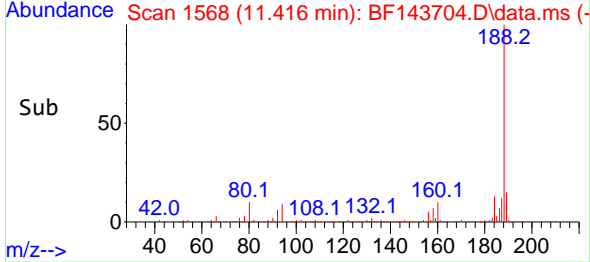
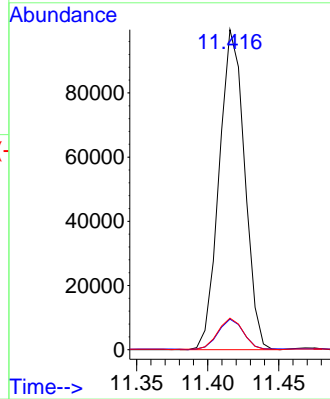
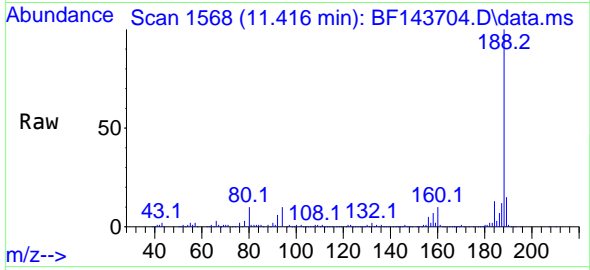




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.416 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03

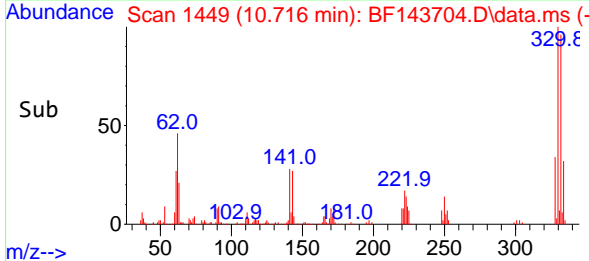
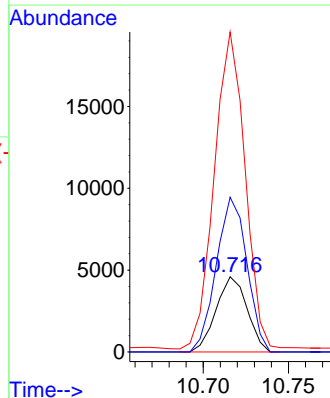
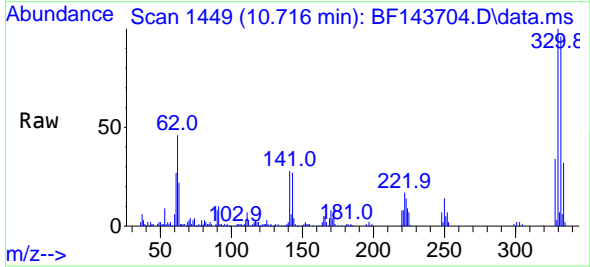
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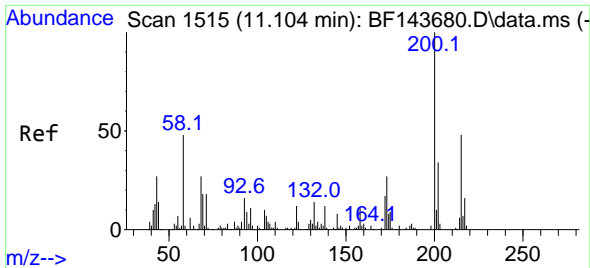
Tgt Ion:188 Resp: 124197
 Ion Ratio Lower Upper
 188 100
 94 9.5 7.4 11.0
 80 9.8 7.7 11.5



#67
 4-Bromophenyl-phenylether
 Concen: 3.878 ng
 RT: 10.716 min Scan# 1449
 Delta R.T. -0.241 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03

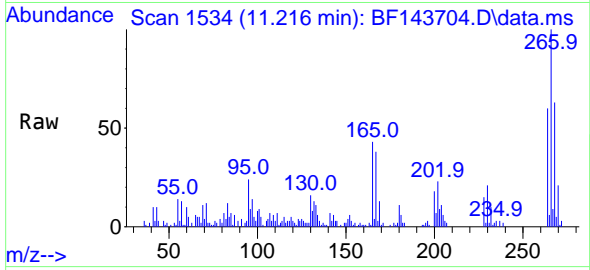
Tgt Ion:248 Resp: 5808
 Ion Ratio Lower Upper
 248 100
 250 205.9 77.5 116.3#
 141 426.0 52.6 79.0#



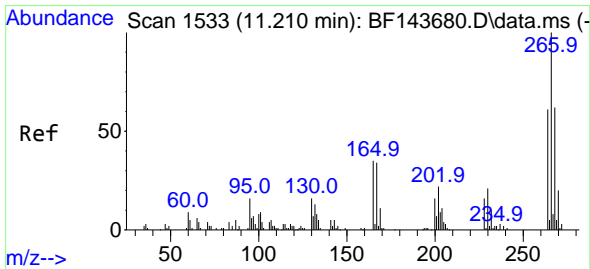
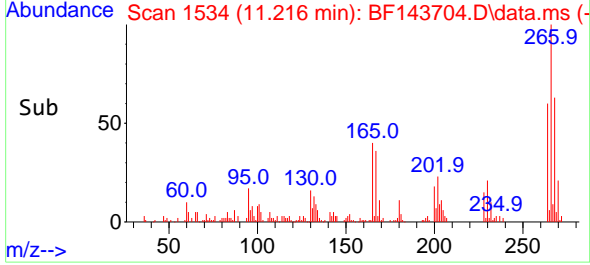
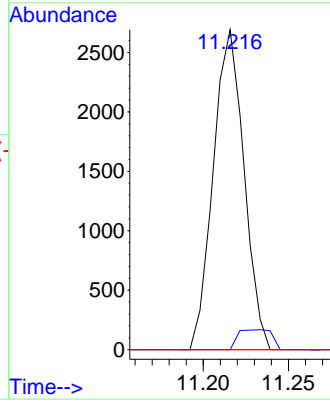


#69
 Atrazine
 Concen: 2.643 ng
 RT: 11.216 min Scan# 1534
 Delta R.T. 0.112 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03

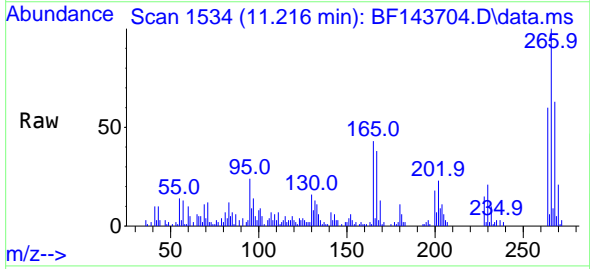
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-258



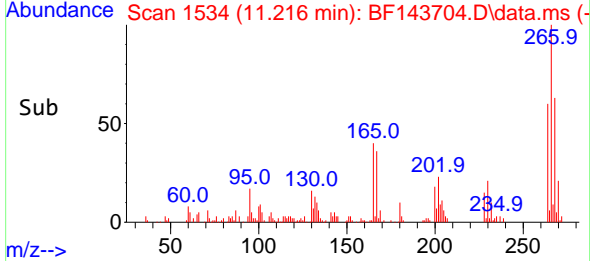
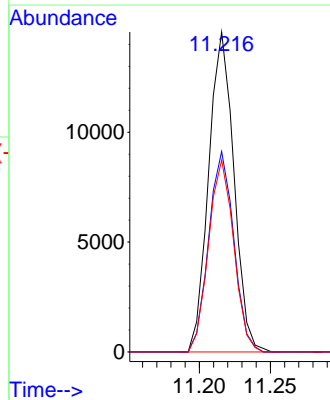
Tgt Ion:200 Resp: 3372
 Ion Ratio Lower Upper
 200 100
 173 0.0 7.3 47.3#
 215 0.0 28.5 68.5#

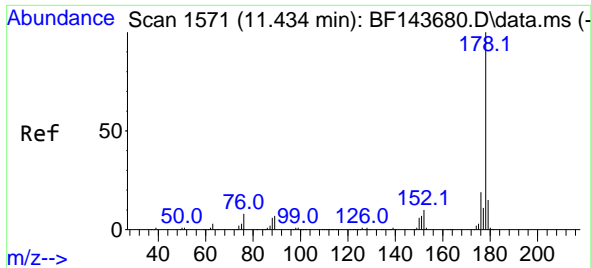


#70
 Pentachlorophenol
 Concen: 18.783 ng
 RT: 11.216 min Scan# 1534
 Delta R.T. 0.006 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03



Tgt Ion:266 Resp: 17956
 Ion Ratio Lower Upper
 266 100
 268 62.6 49.2 73.8
 264 59.9 48.6 73.0

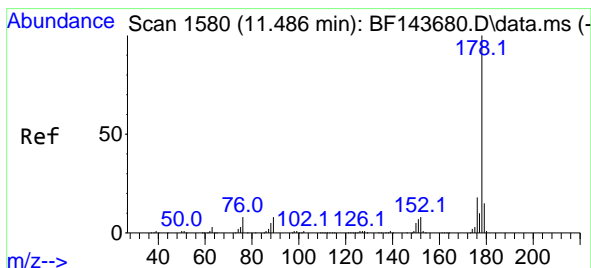
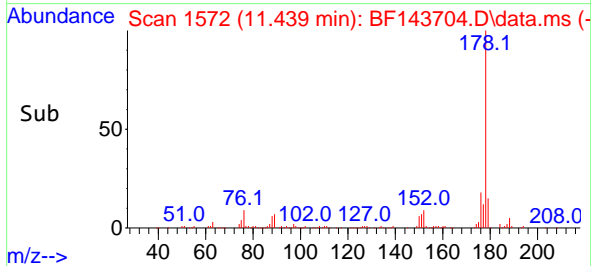
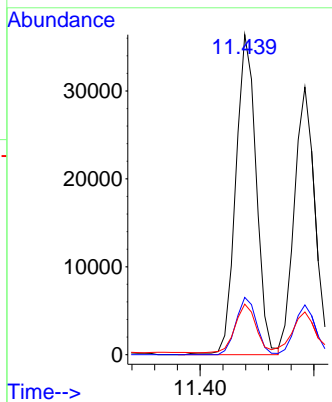
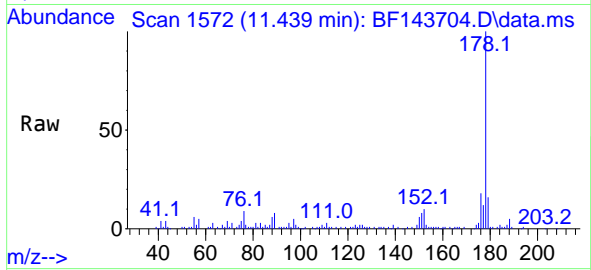




#71
 Phenanthrene
 Concen: 6.607 ng
 RT: 11.439 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03

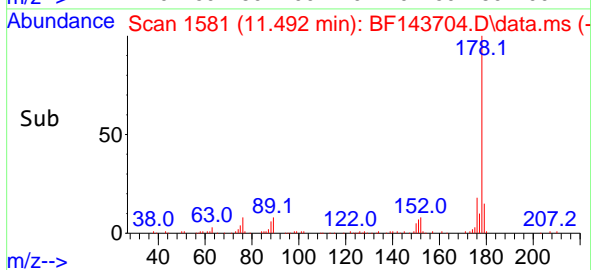
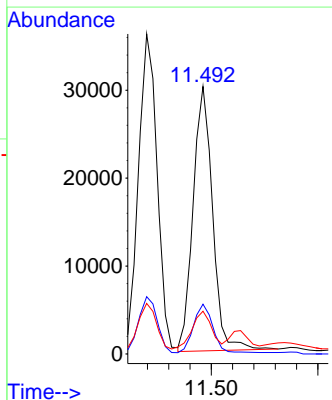
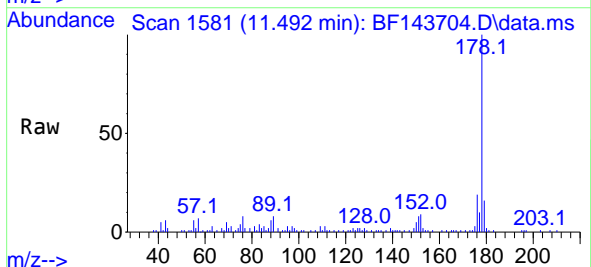
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-258

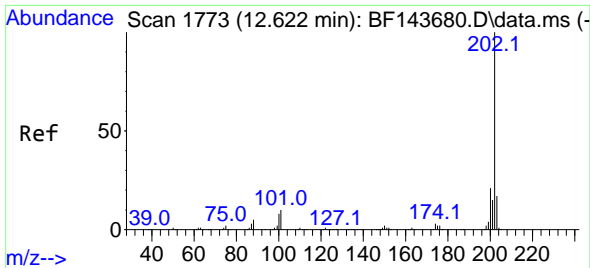
Tgt Ion:178 Resp: 45212
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.8 22.2
 179 15.8 12.2 18.2



#72
 Anthracene
 Concen: 5.559 ng
 RT: 11.492 min Scan# 1581
 Delta R.T. 0.006 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03

Tgt Ion:178 Resp: 38252
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.5 21.7
 179 16.0 12.2 18.2



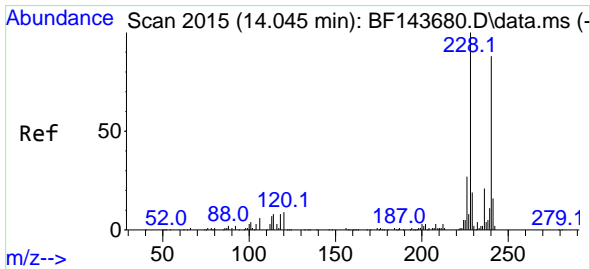
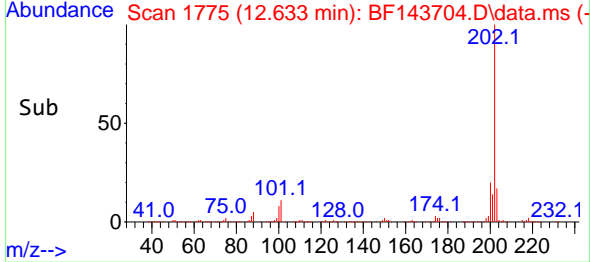
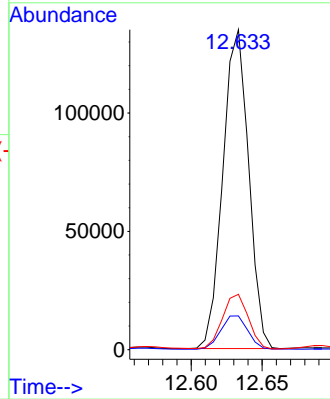
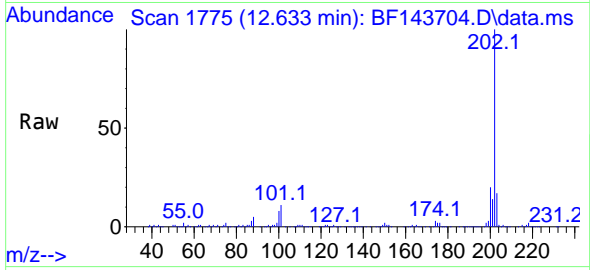


#75
 Fluoranthene
 Concen: 27.082 ng
 RT: 12.633 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-258

Tgt Ion:202 Resp: 170128

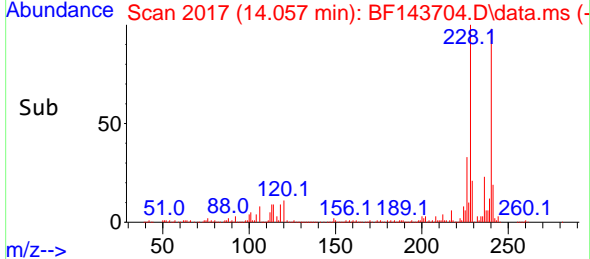
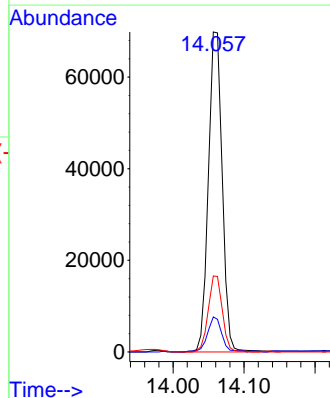
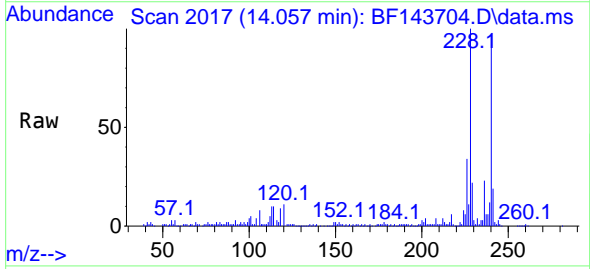
Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	30.5
203	17.3	0.0	37.1

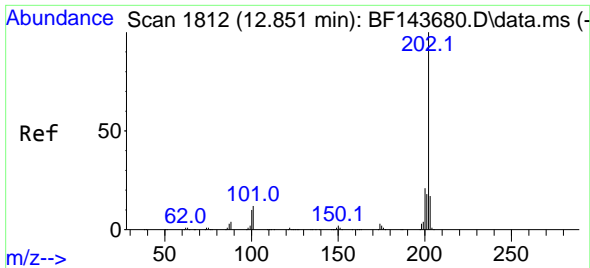


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.057 min Scan# 2017
 Delta R.T. 0.012 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03

Tgt Ion:240 Resp: 95120

Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.4	12.6
236	23.7	18.6	28.0



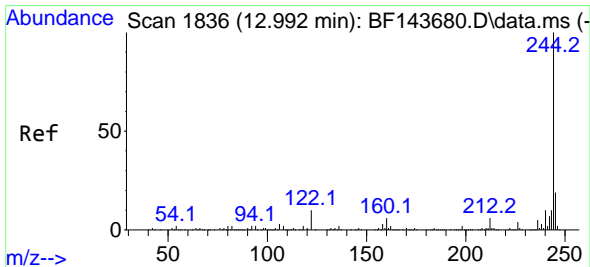
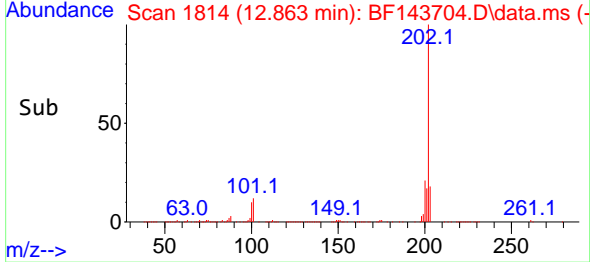
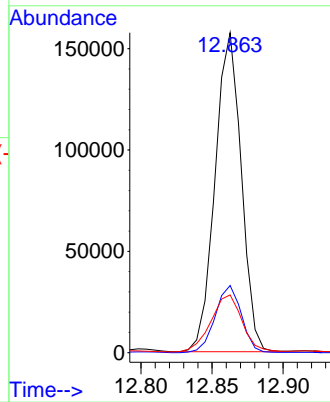
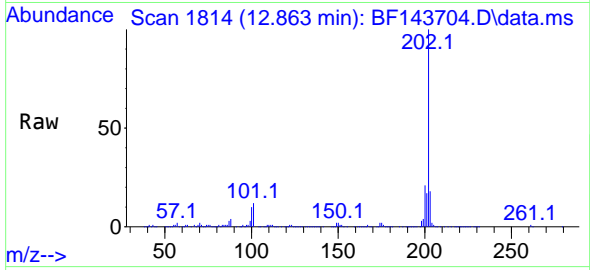


#78
 Pyrene
 Concen: 26.555 ng
 RT: 12.863 min Scan# 1812
 Delta R.T. 0.012 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-258

Tgt Ion:202 Resp: 201960

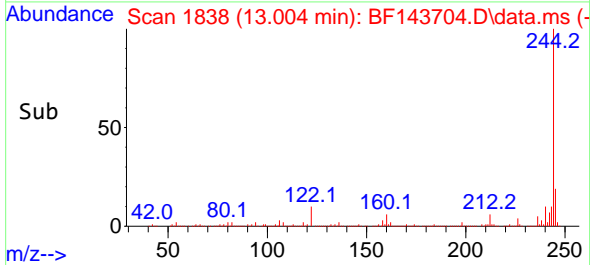
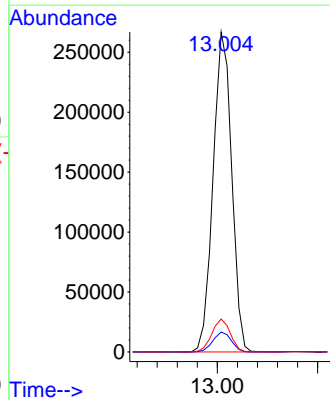
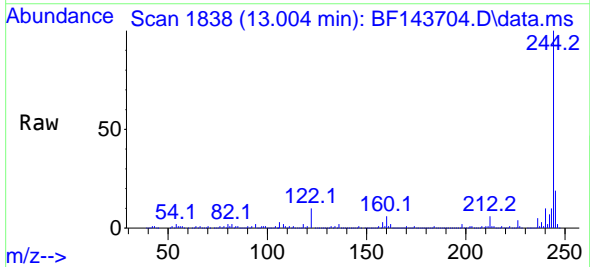
Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	24.8
203	18.1	13.5	20.3

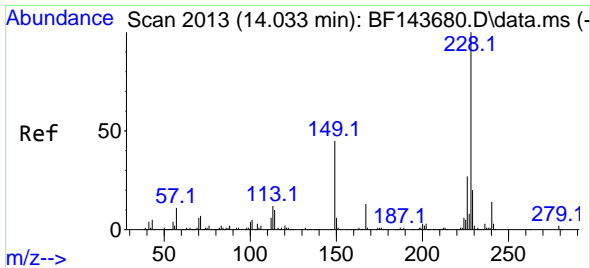


#79
 Terphenyl-d14
 Concen: 58.532 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. 0.012 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03

Tgt Ion:244 Resp: 343569

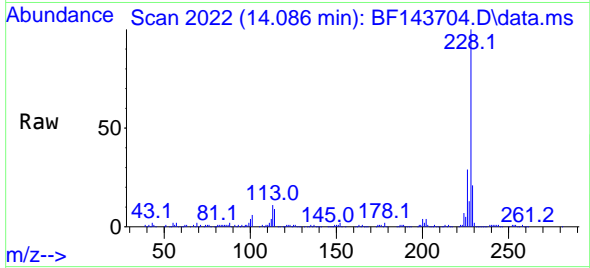
Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.0	7.6
122	10.3	7.9	11.9



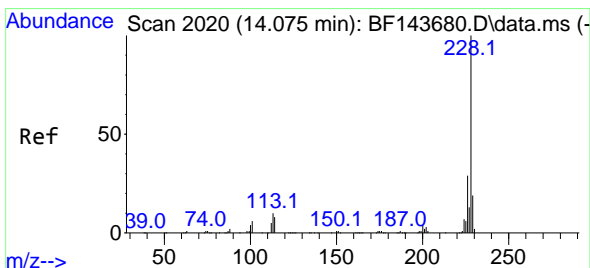
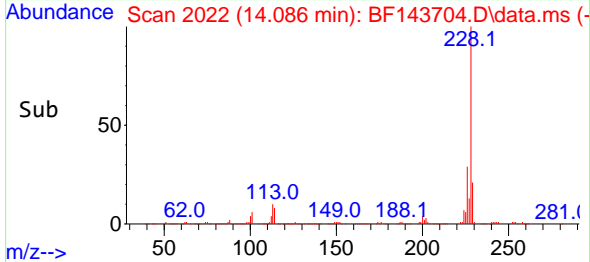
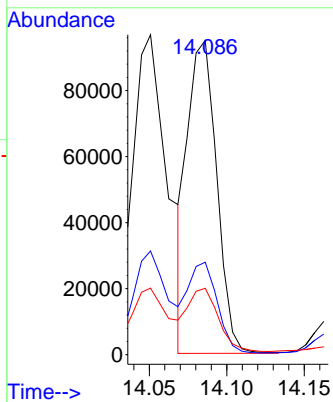


#81
 Benzo(a)anthracene
 Concen: 20.274 ng
 RT: 14.086 min Scan# 2022
 Delta R.T. 0.053 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-258

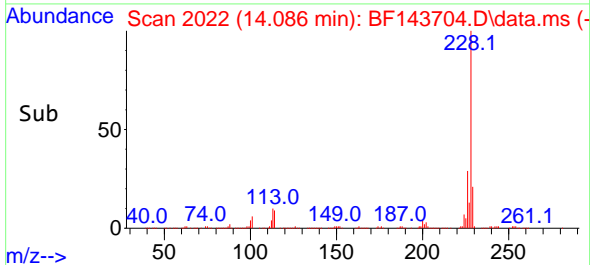
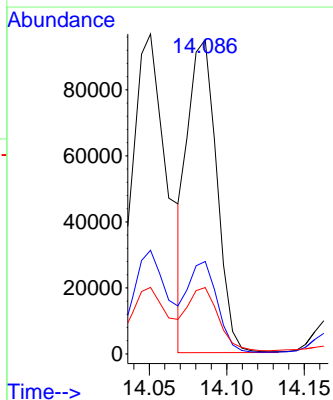
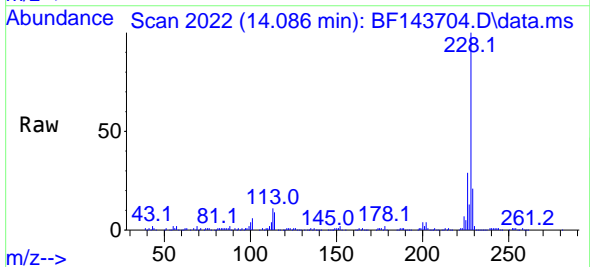


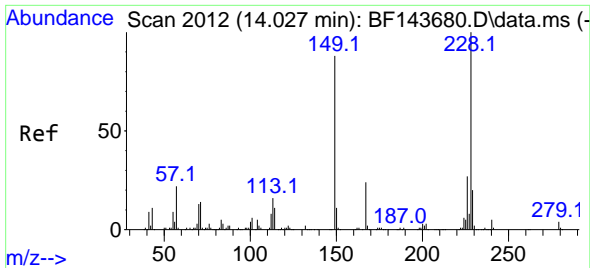
Tgt Ion:228 Resp: 124067
 Ion Ratio Lower Upper
 228 100
 226 29.5 21.6 32.4
 229 21.2 15.7 23.5



#83
 Chrysene
 Concen: 22.137 ng
 RT: 14.086 min Scan# 2022
 Delta R.T. 0.012 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03

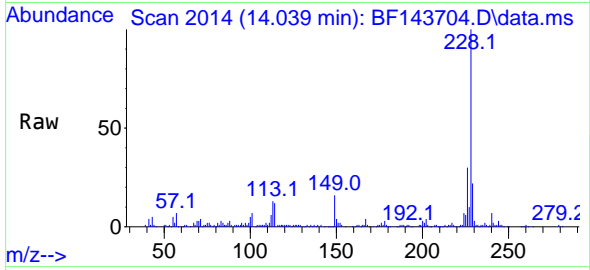
Tgt Ion:228 Resp: 124067
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.7 34.1
 229 21.2 15.1 22.7





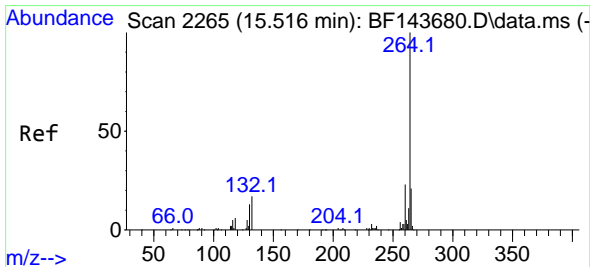
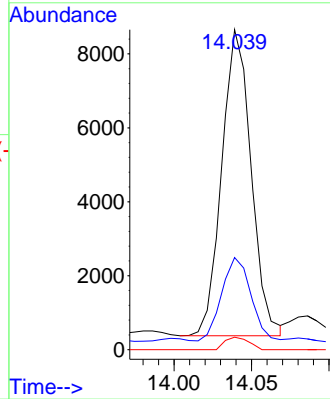
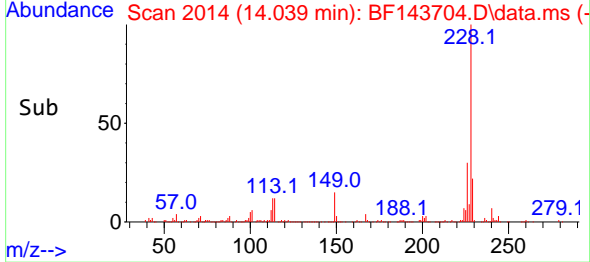
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.202 ng
 RT: 14.039 min Scan# 2012
 Delta R.T. 0.012 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-258

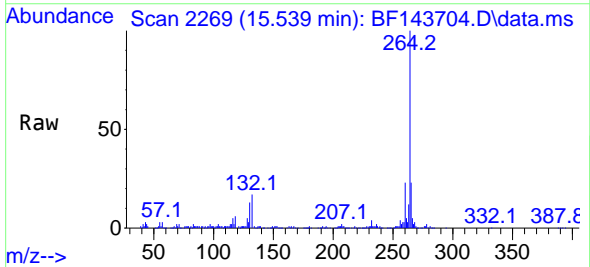


Tgt Ion:149 Resp: 10887

Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.2	33.2
279	3.9	3.5	5.3

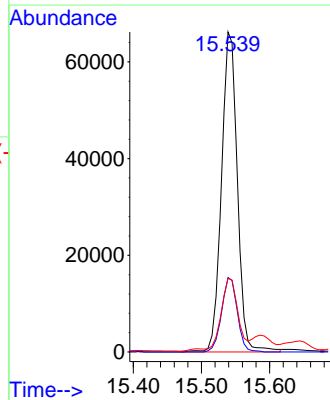
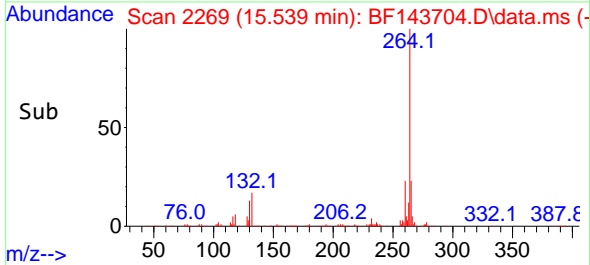


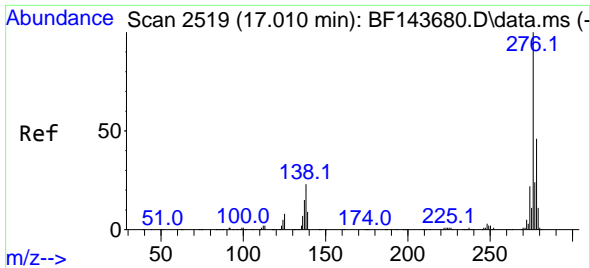
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 2269
 Delta R.T. 0.023 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03



Tgt Ion:264 Resp: 107327

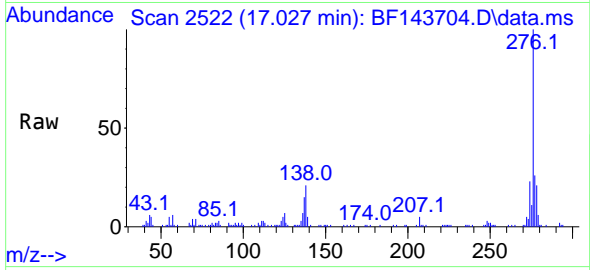
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.4	27.6
265	23.0	17.1	25.7



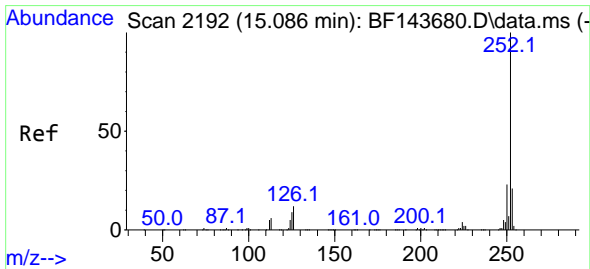
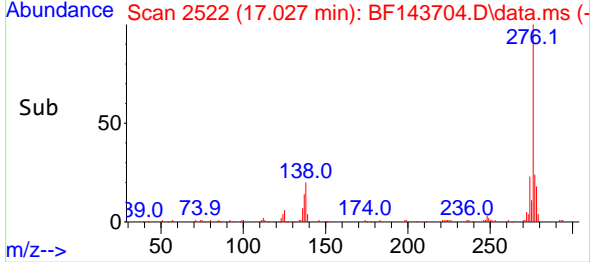
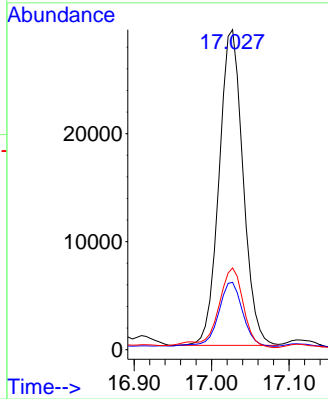


#87
 Indeno(1,2,3-cd)pyrene
 Concen: 8.578 ng
 RT: 17.027 min Scan# 2196
 Delta R.T. 0.017 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03

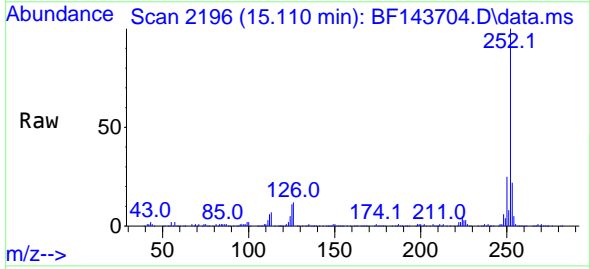
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-258



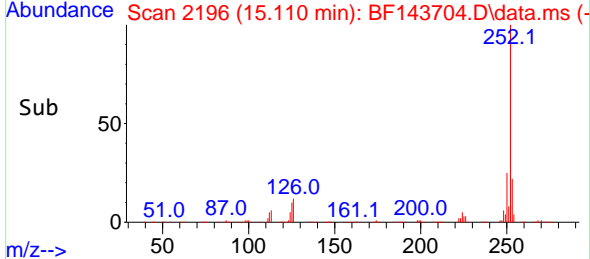
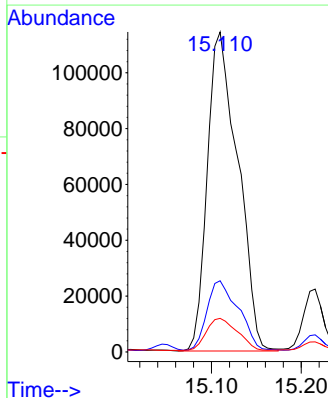
Tgt Ion:276 Resp: 62835
 Ion Ratio Lower Upper
 276 100
 138 20.5 19.7 29.5
 277 26.9 20.2 30.2

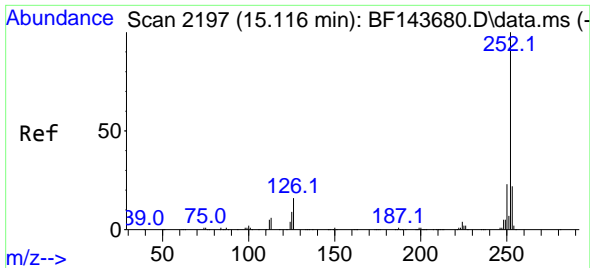


#88
 Benzo(b)fluoranthene
 Concen: 42.301 ng
 RT: 15.110 min Scan# 2196
 Delta R.T. 0.023 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03



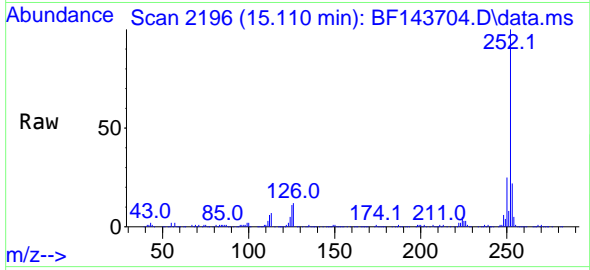
Tgt Ion:252 Resp: 270261
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.0 25.4
 125 10.5 7.4 11.0



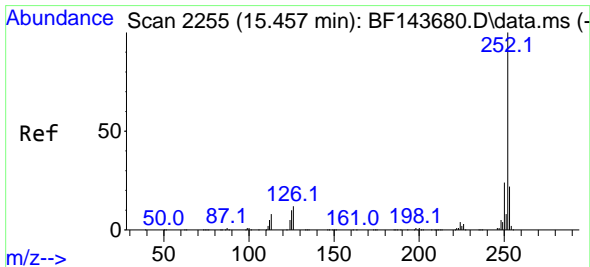
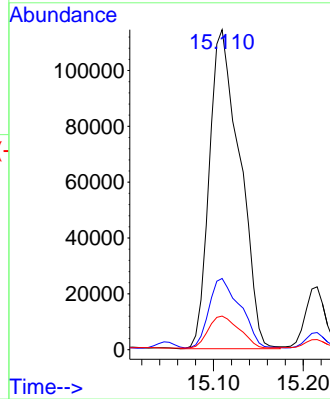
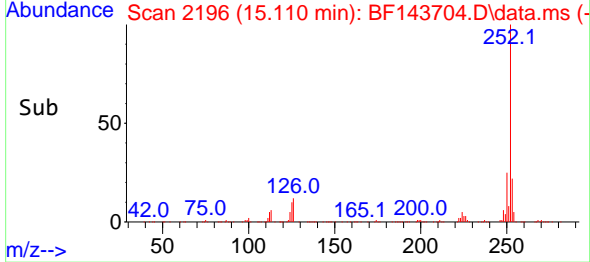


#89
 Benzo(k)fluoranthene
 Concen: 46.871 ng
 RT: 15.110 min Scan# 2196
 Delta R.T. -0.006 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03

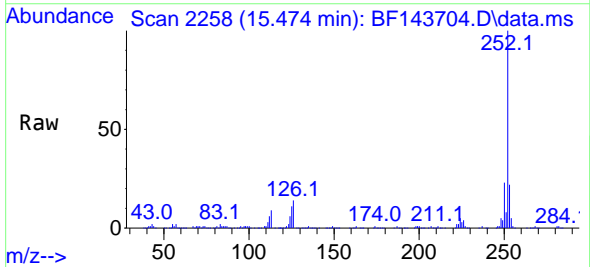
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-258



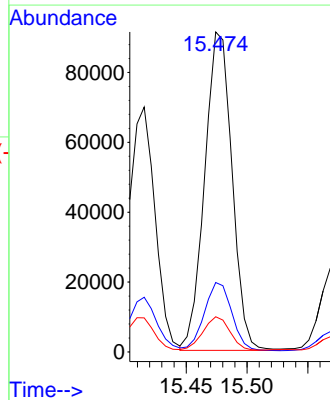
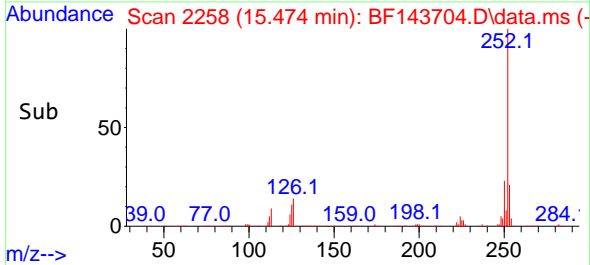
Tgt Ion:252 Resp: 270261
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.3 25.9
 125 10.5 7.3 10.9

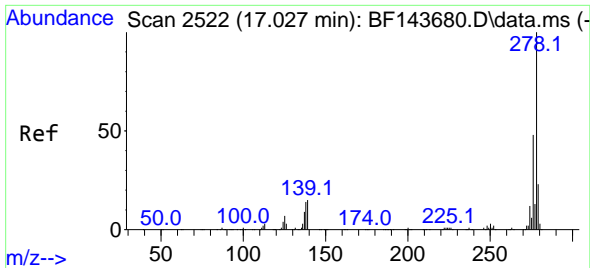


#90
 Benzo(a)pyrene
 Concen: 25.390 ng
 RT: 15.474 min Scan# 2258
 Delta R.T. 0.017 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03



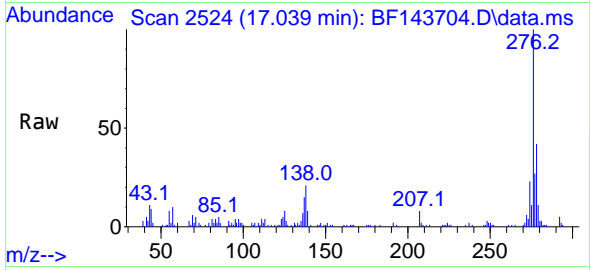
Tgt Ion:252 Resp: 142512
 Ion Ratio Lower Upper
 252 100
 253 21.7 17.4 26.0
 125 11.0 8.2 12.4



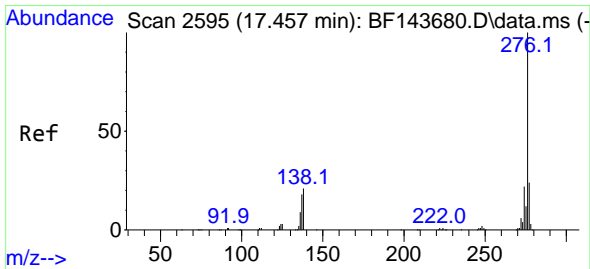
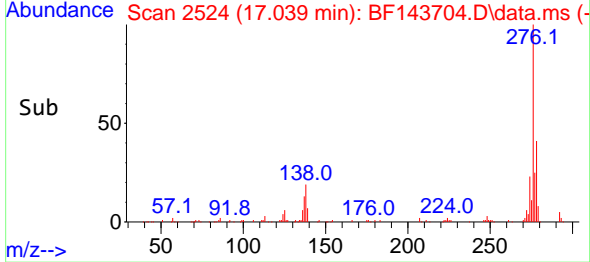
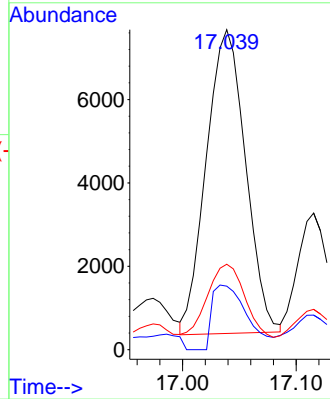


#91
 Dibenzo(a,h)anthracene
 Concen: 2.878 ng
 RT: 17.039 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-258



Tgt Ion:278 Resp: 17492
 Ion Ratio Lower Upper
 278 100
 139 19.8 12.2 18.4#
 279 26.7 18.7 28.1



#92
 Benzo(g,h,i)perylene
 Concen: 9.599 ng
 RT: 17.480 min Scan# 2599
 Delta R.T. 0.023 min
 Lab File: BF143704.D
 Acq: 11 Sep 2025 14:03

Tgt Ion:276 Resp: 54563
 Ion Ratio Lower Upper
 276 100
 277 22.4 19.2 28.8
 138 20.7 17.0 25.4

