

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
 Data File : BF143710.D
 Acq On : 11 Sep 2025 17:00
 Operator : RC/JU
 Sample : Q3066-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-242

Quant Time: Sep 11 17:24:33 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)

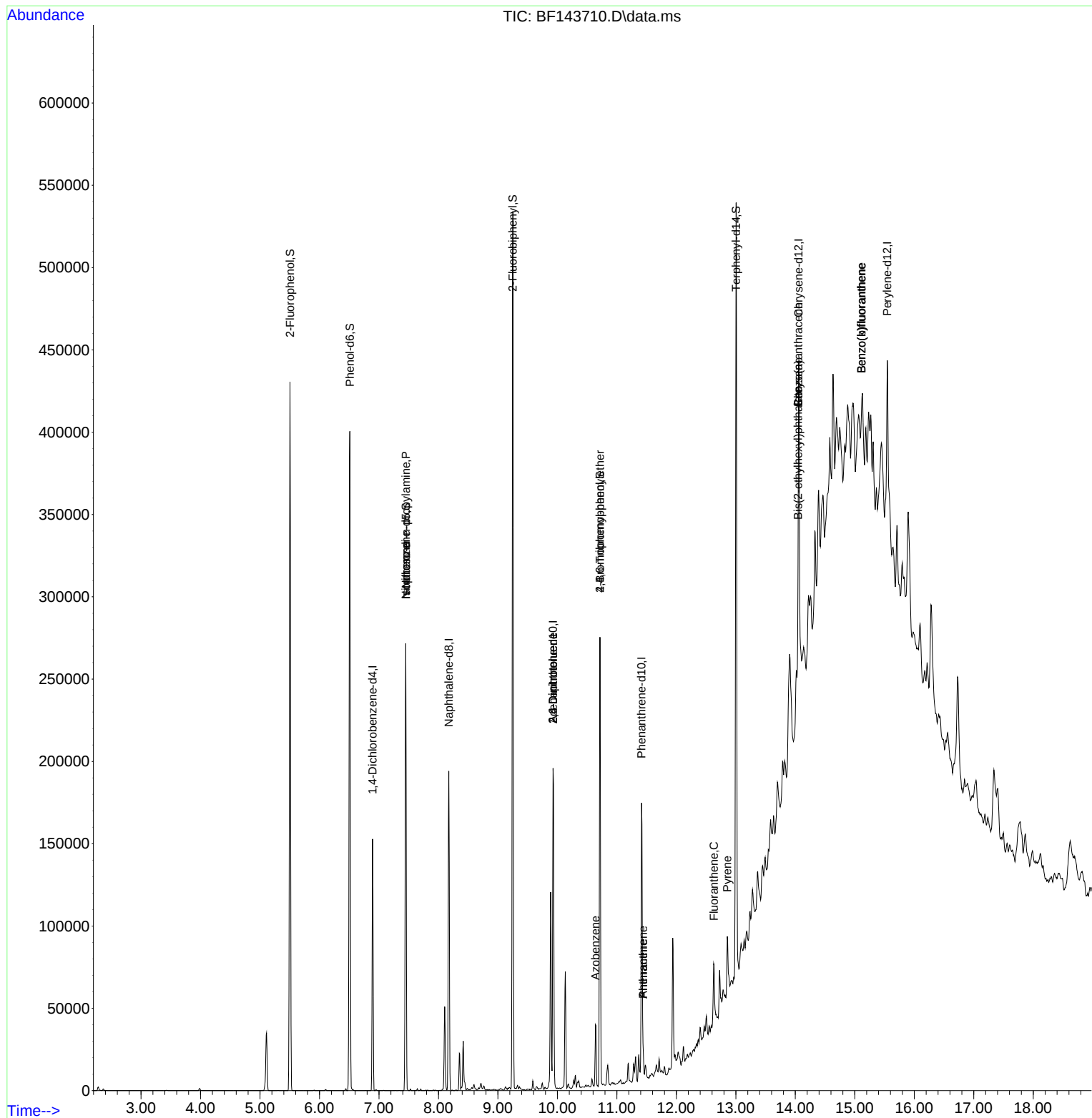
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	33652	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	120466	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	59757	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	84448	20.000	ng	0.00
76) Chrysene-d12	14.057	240	87903	20.000	ng	0.01
86) Perylene-d12	15.545	264	59234	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	166245	84.286	ng	0.00
7) Phenol-d6	6.510	99	202108	84.156	ng	0.00
23) Nitrobenzene-d5	7.451	82	118898	61.391	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	47851	79.458	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	240545	60.808	ng	0.00
79) Terphenyl-d14	13.004	244	221780	40.886	ng	0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	15456	10.479	ng	# 81
25) Isophorone	7.451	82	118769	31.981	ng	# 64
51) 2,6-Dinitrotoluene	9.928	165	7591	10.212	ng	# 29
57) 2,4-Dinitrotoluene	9.928	165	7591	7.503	ng	# 29
63) Azobenzene	10.639	77	9387	2.909	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	3213	3.155	ng	# 1
71) Phenanthrene	11.439	178	10431	2.242	ng	96
72) Anthracene	11.439	178	10431	2.230	ng	97
75) Fluoranthene	12.633	202	19318	4.523	ng	100
78) Pyrene	12.857	202	20099	2.860	ng	97
81) Benzo(a)anthracene	14.051	228	11313	2.000	ng	96
83) Chrysene	14.051	228	11313	2.184	ng	97
84) Bis(2-ethylhexyl)phtha...	14.045	149	8272	2.633	ng	# 92
88) Benzo(b)fluoranthene	15.110	252	12934	3.668	ng	# 1
89) Benzo(k)fluoranthene	15.110	252	12934	4.064	ng	# 1

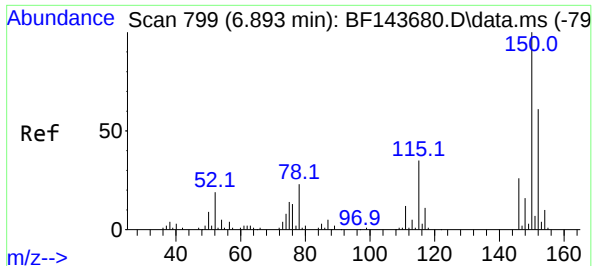
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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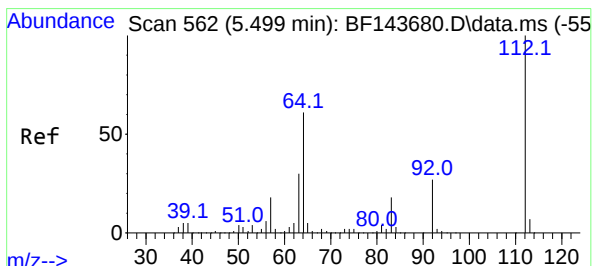
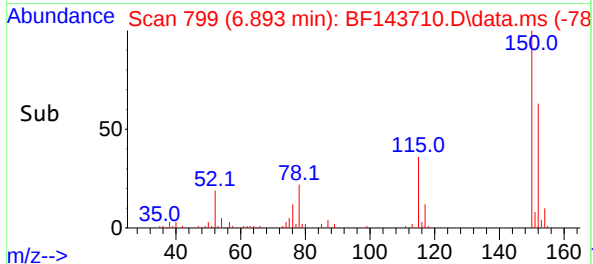
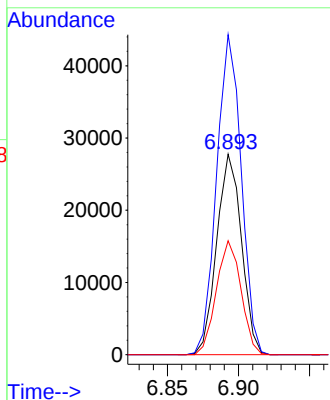
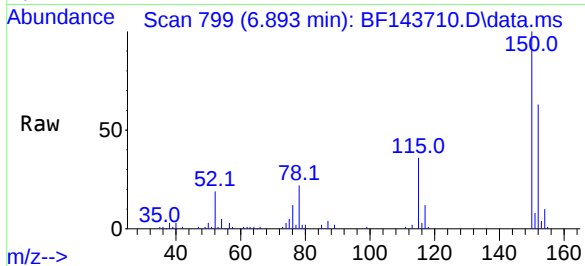




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. -0.000 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

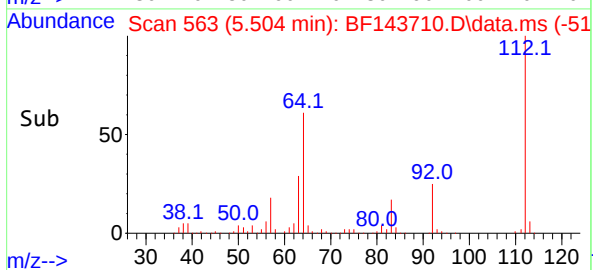
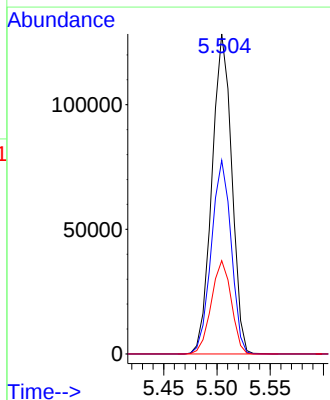
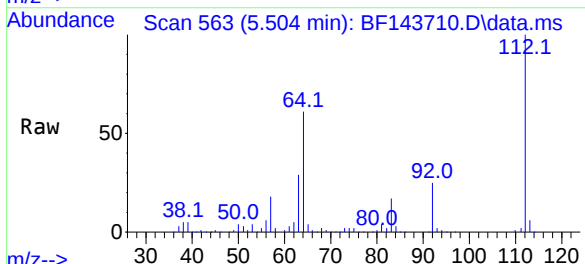
Instrument :
BNA_F
ClientSampleId :
VNJ-242

Tgt Ion:152 Resp: 33652
Ion Ratio Lower Upper
152 100
150 159.6 130.7 196.1
115 56.8 45.9 68.9

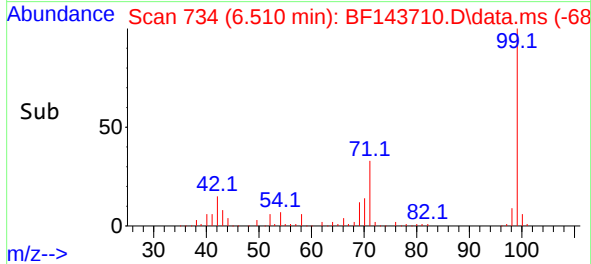
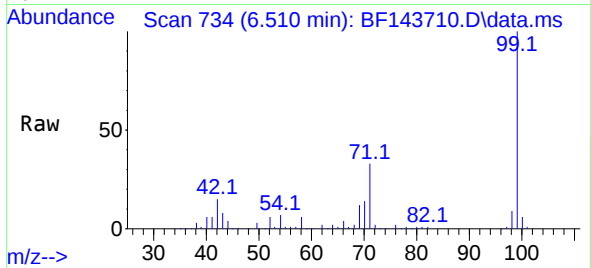
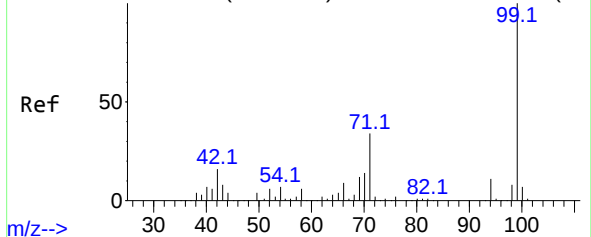


#5
2-Fluorophenol
Concen: 84.286 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

Tgt Ion:112 Resp: 166245
Ion Ratio Lower Upper
112 100
64 60.5 49.0 73.4
63 29.2 24.3 36.5



Abundance Scan 733 (6.504 min): BF143680.D\data.ms (-72



#7

Phenol-d6

Concen: 84.156 ng

RT: 6.510 min Scan# 71

Delta R.T. 0.006 min

Lab File: BF143710.D

Acq: 11 Sep 2025 17:00

Instrument :

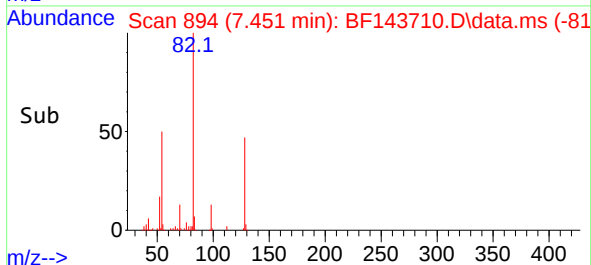
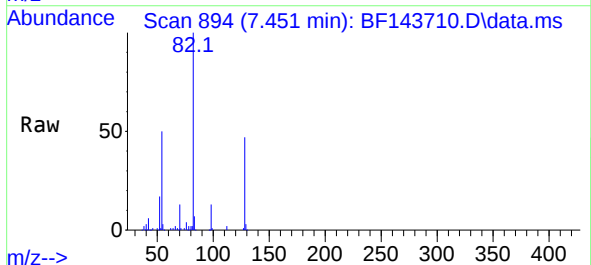
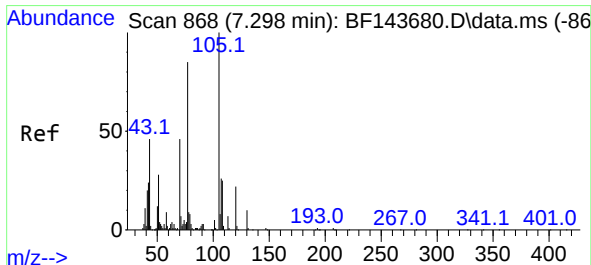
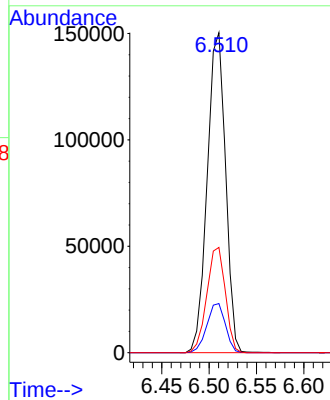
BNA_F

ClientSampleId :

VNJ-242

Tgt Ion: 99 Resp: 202108

Ion	Ratio	Lower	Upper
99	100		
42	15.4	13.0	19.4
71	32.9	27.4	41.2



#19

n-Nitroso-di-n-propylamine

Concen: 10.479 ng

RT: 7.451 min Scan# 894

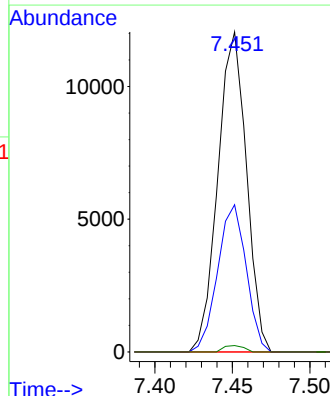
Delta R.T. 0.153 min

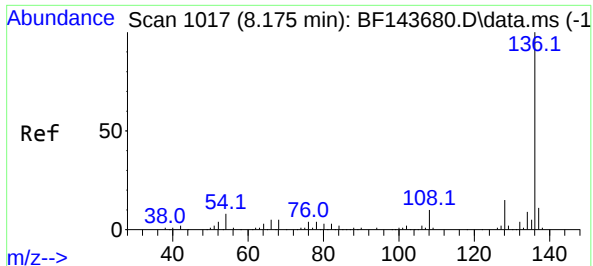
Lab File: BF143710.D

Acq: 11 Sep 2025 17:00

Tgt Ion: 70 Resp: 15456

Ion	Ratio	Lower	Upper
70	100		
42	46.0	41.4	62.2
101	0.0	8.1	12.1#
130	2.0	17.3	25.9#

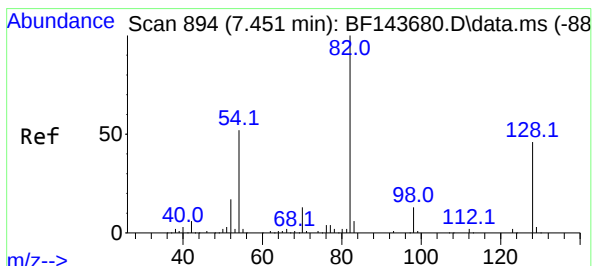
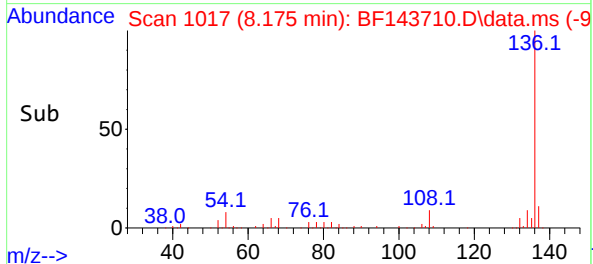
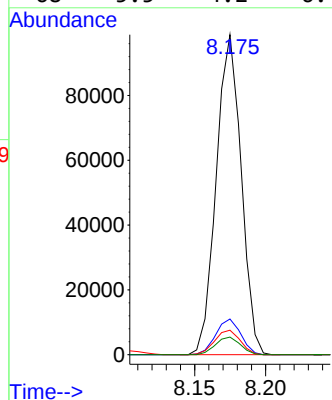
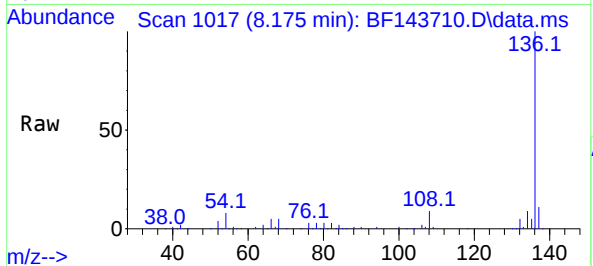




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

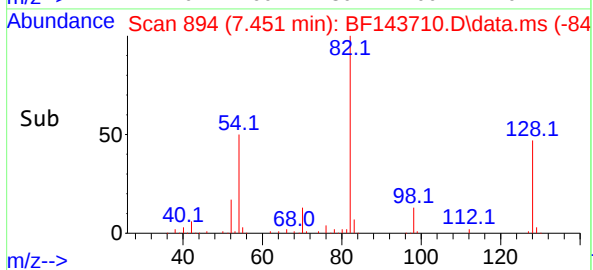
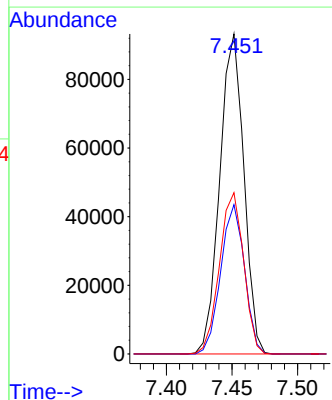
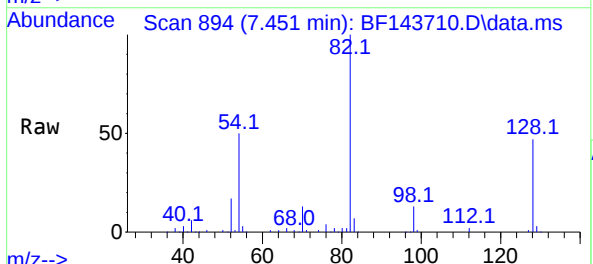
Instrument :
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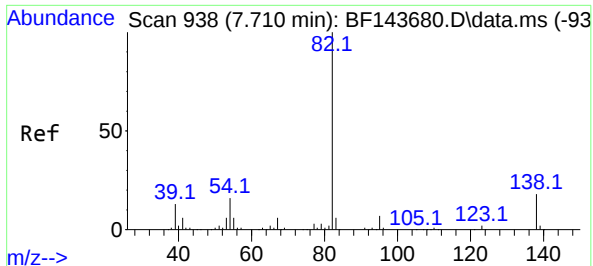
Tgt Ion:	136	Resp:	120466
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	7.7	6.2	9.2
68	5.5	4.2	6.4



#23
Nitrobenzene-d5
Concen: 61.391 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.000 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

Tgt Ion:	82	Resp:	118898
Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.0	55.4
54	50.4	41.8	62.8

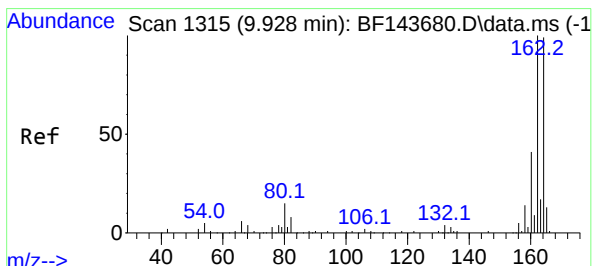
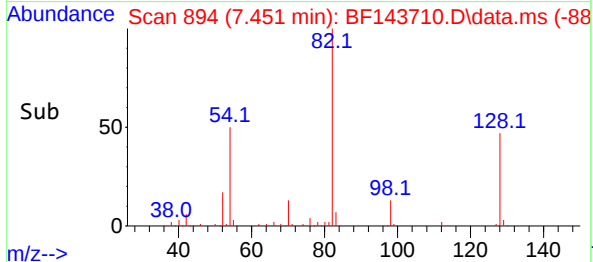
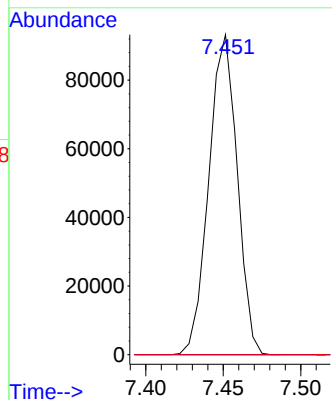
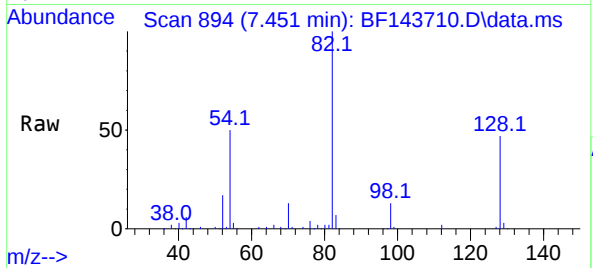




#25
Isophorone
Concen: 31.981 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.259 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

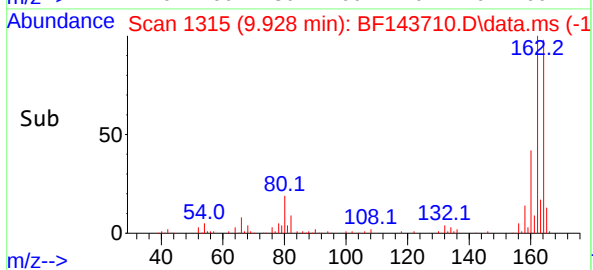
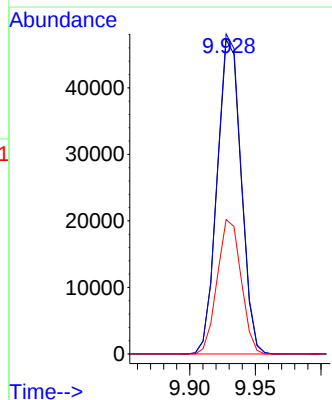
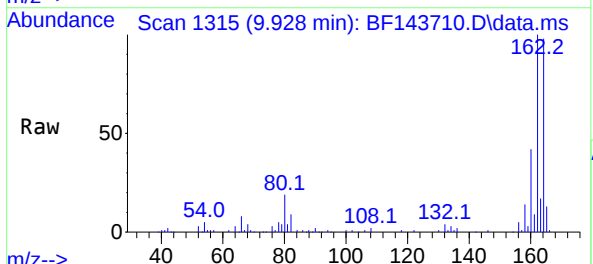
Instrument :
BNA_F
ClientSampleId :
VNJ-242

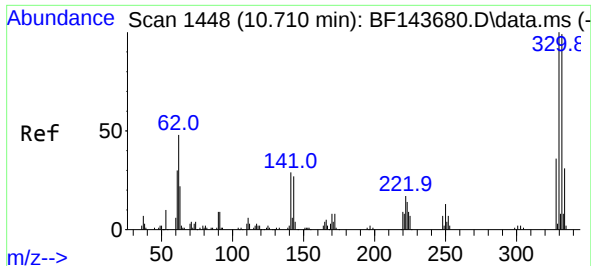
Tgt Ion: 82 Resp: 118769
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.8 22.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1315
Delta R.T. 0.000 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

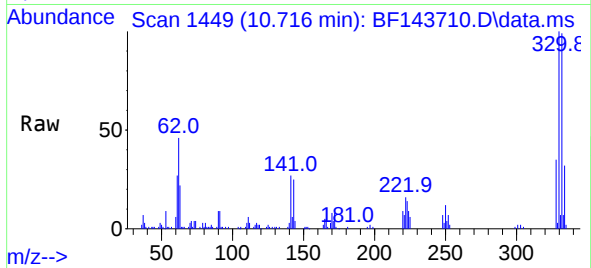
Tgt Ion:164 Resp: 59757
Ion Ratio Lower Upper
164 100
162 101.8 80.6 121.0
160 42.7 33.0 49.4



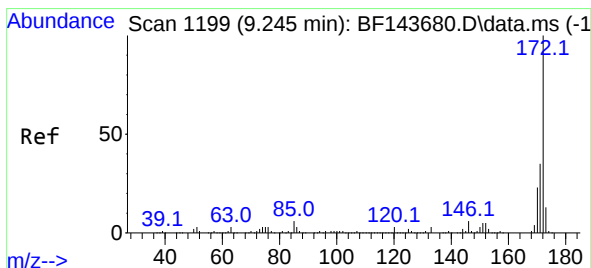
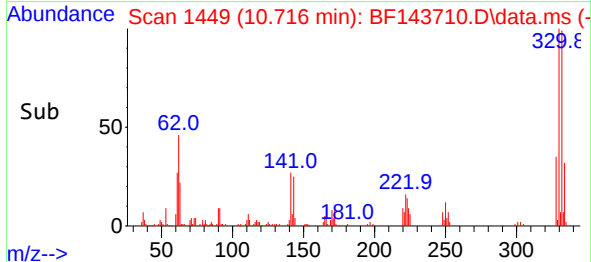
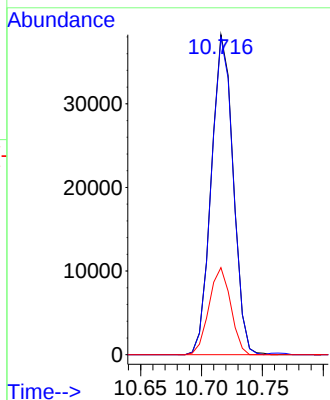


#42
2,4,6-Tribromophenol
Concen: 79.458 ng
RT: 10.716 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

Instrument :
BNA_F
ClientSampleId :
VNJ-242

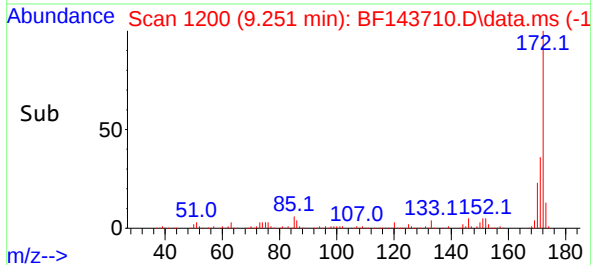
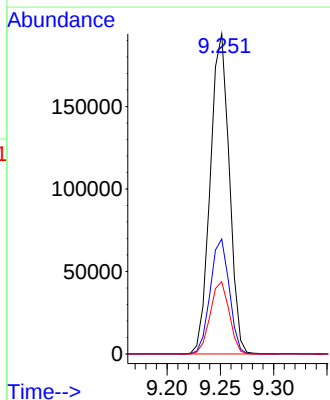
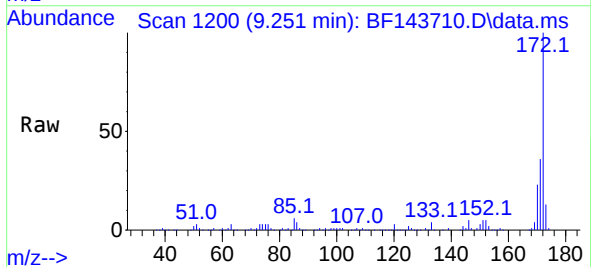


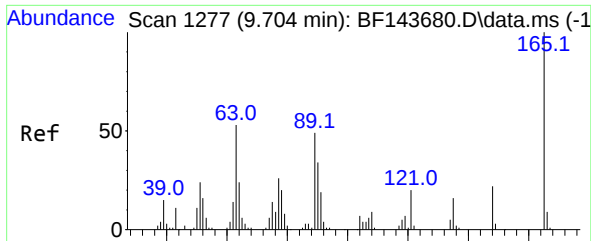
Tgt Ion:330 Resp: 47851
Ion Ratio Lower Upper
330 100
332 98.9 79.2 118.8
141 26.9 22.2 33.4



#45
2-Fluorobiphenyl
Concen: 60.808 ng
RT: 9.251 min Scan# 1200
Delta R.T. 0.006 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

Tgt Ion:172 Resp: 240545
Ion Ratio Lower Upper
172 100
171 35.9 27.9 41.9
170 22.6 18.6 27.8

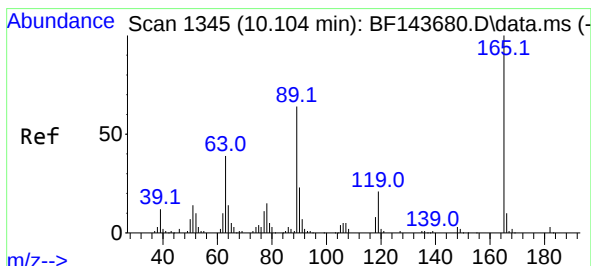
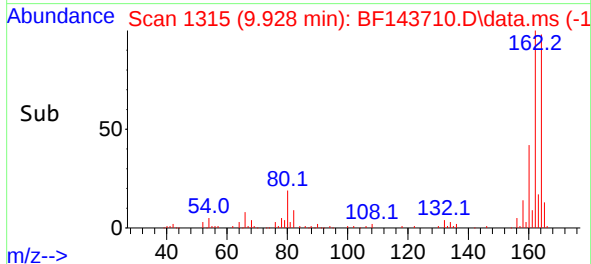
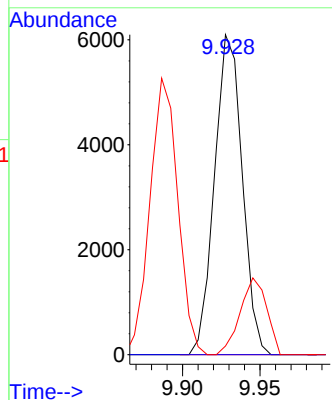
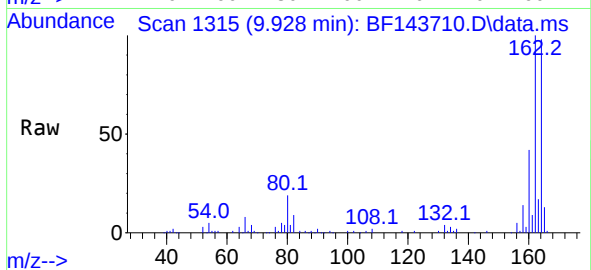




#51
2,6-Dinitrotoluene
Concen: 10.212 ng
RT: 9.928 min Scan# 1315
Delta R.T. 0.224 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

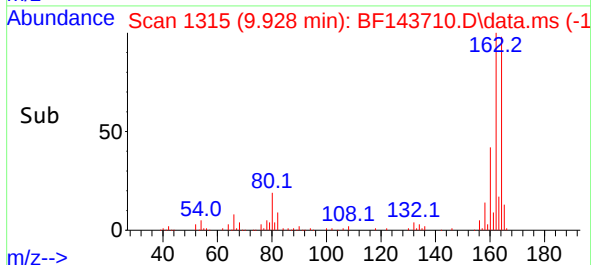
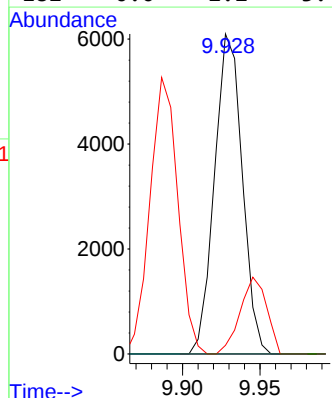
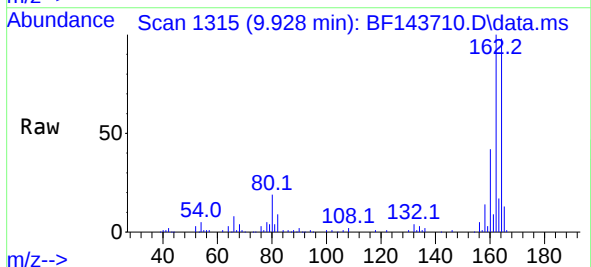
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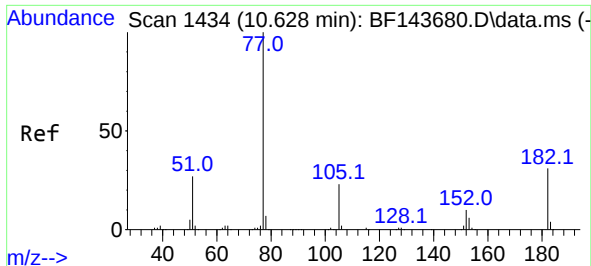
Tgt Ion:165 Resp: 7591
Ion Ratio Lower Upper
165 100
63 0.0 42.2 63.4#
89 2.7 39.3 58.9#



#57
2,4-Dinitrotoluene
Concen: 7.503 ng
RT: 9.928 min Scan# 1315
Delta R.T. -0.176 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

Tgt Ion:165 Resp: 7591
Ion Ratio Lower Upper
165 100
63 0.0 31.5 47.3#
89 2.7 51.3 76.9#
182 0.0 2.2 3.4#

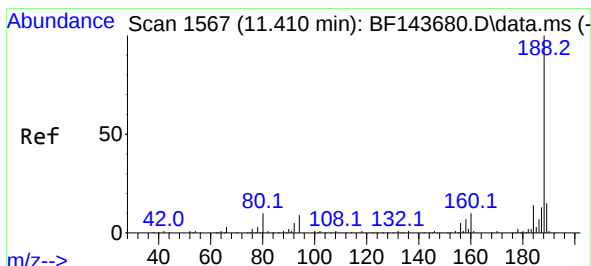
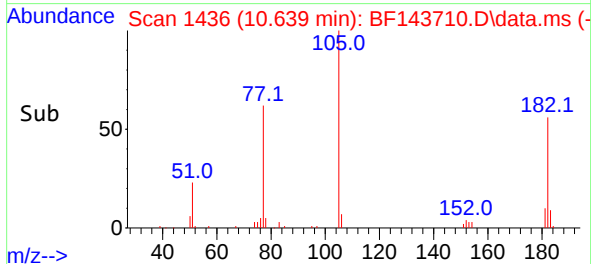
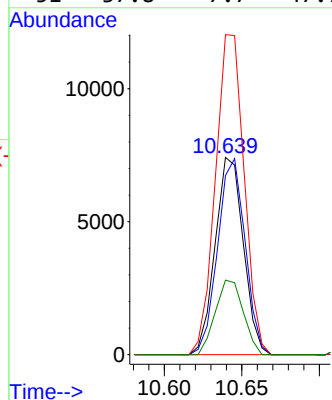
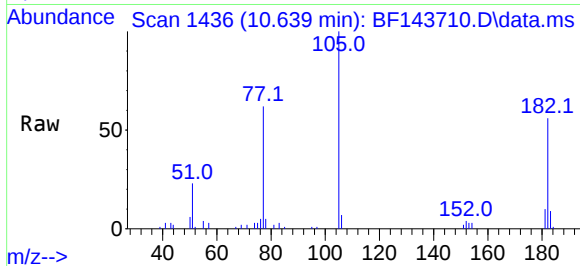




#63
Azobenzene
Concen: 2.909 ng
RT: 10.639 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

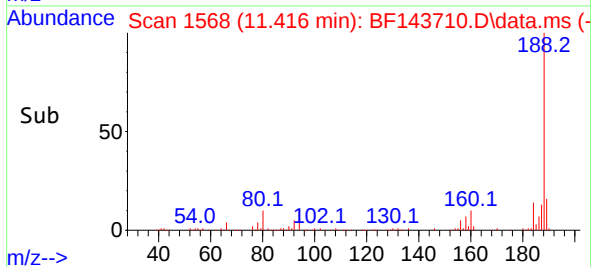
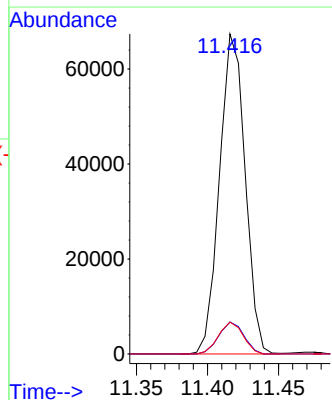
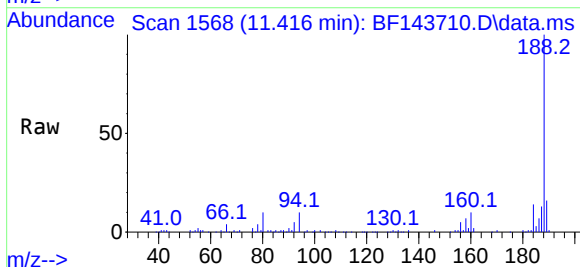
Instrument :
BNA_F
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VNJ-242

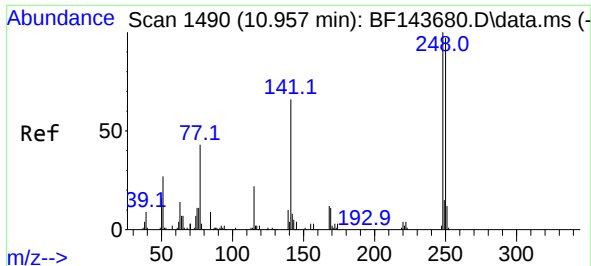
Tgt Ion: 77 Resp: 9387
Ion Ratio Lower Upper
77 100
182 90.8 10.8 50.8#
105 162.2 3.2 43.2#
51 37.8 7.7 47.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.006 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

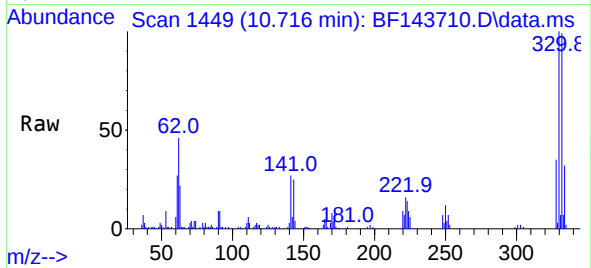
Tgt Ion:188 Resp: 84448
Ion Ratio Lower Upper
188 100
94 10.0 7.4 11.0
80 10.0 7.7 11.5



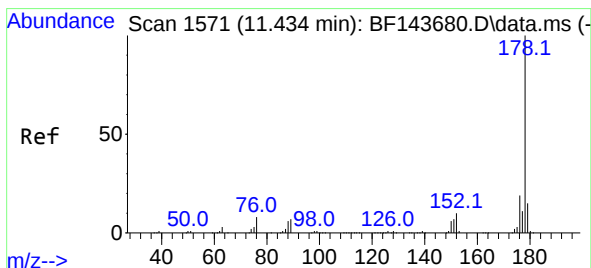
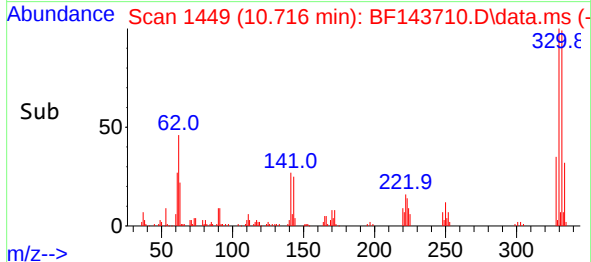
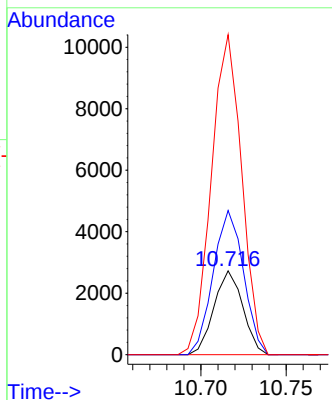


#67
4-Bromophenyl-phenylether
Concen: 3.155 ng
RT: 10.716 min Scan# 1490
Delta R.T. -0.241 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

Instrument :
BNA_F
ClientSampleId :
VNJ-242

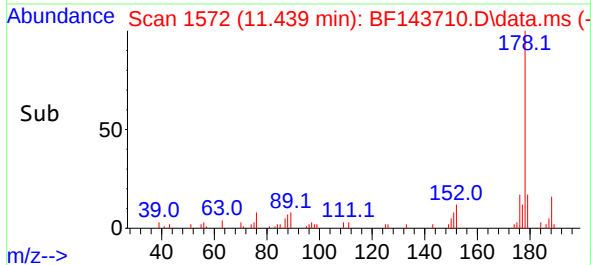
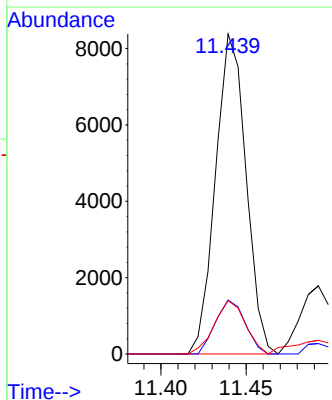
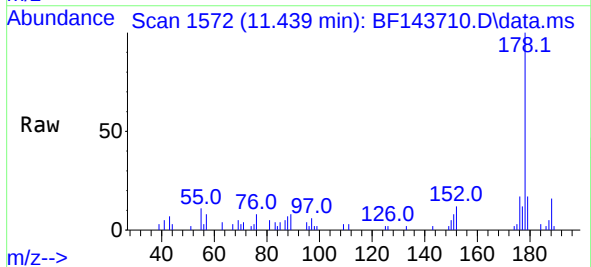


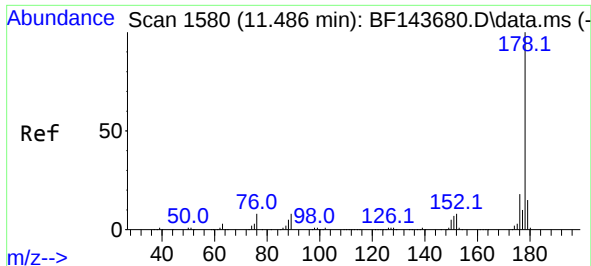
Tgt Ion:248 Resp: 3213
Ion Ratio Lower Upper
248 100
250 172.0 77.5 116.3#
141 381.8 52.6 79.0#



#71
Phenanthrene
Concen: 2.242 ng
RT: 11.439 min Scan# 1572
Delta R.T. 0.006 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

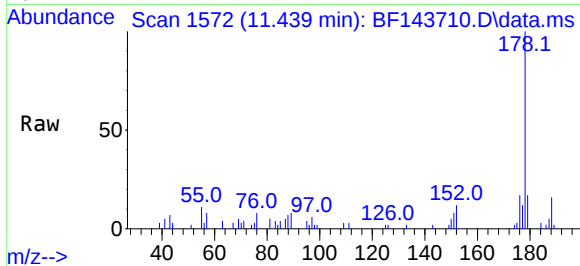
Tgt Ion:178 Resp: 10431
Ion Ratio Lower Upper
178 100
176 16.9 14.8 22.2
179 16.7 12.2 18.2



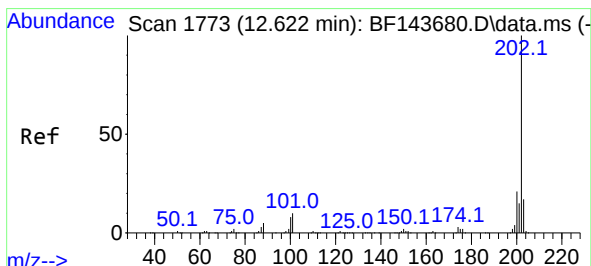
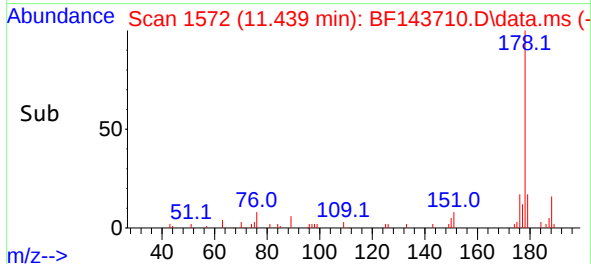
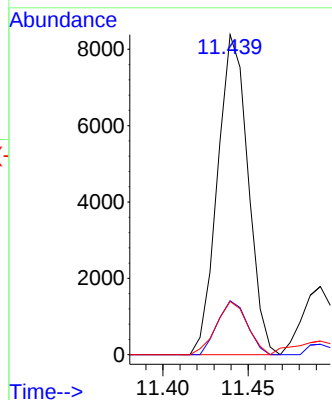


#72
Anthracene
Concen: 2.230 ng
RT: 11.439 min Scan# 11
Delta R.T. -0.047 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

Instrument :
BNA_F
ClientSampleId :
VNJ-242

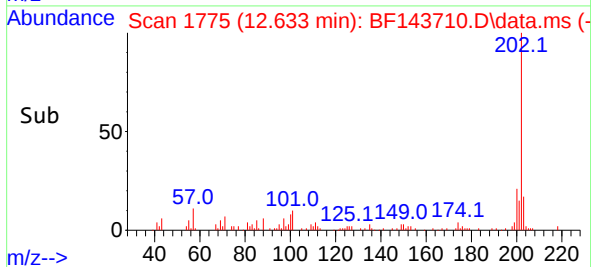
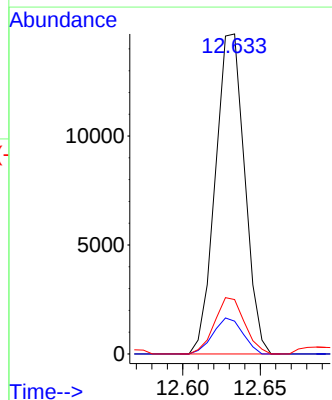
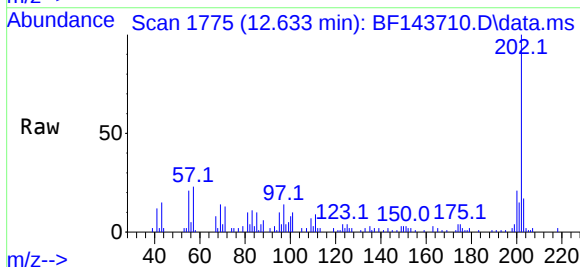


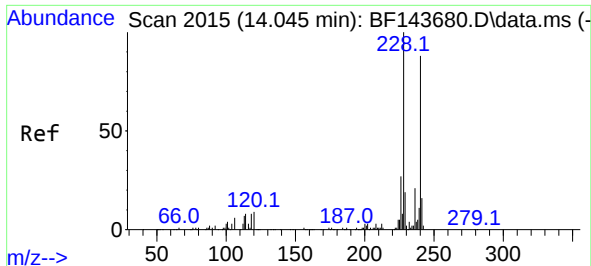
Tgt Ion:178 Resp: 10431
Ion Ratio Lower Upper
178 100
176 16.9 14.5 21.7
179 16.7 12.2 18.2



#75
Fluoranthene
Concen: 4.523 ng
RT: 12.633 min Scan# 1775
Delta R.T. 0.012 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

Tgt Ion:202 Resp: 19318
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.5
203 17.0 0.0 37.1

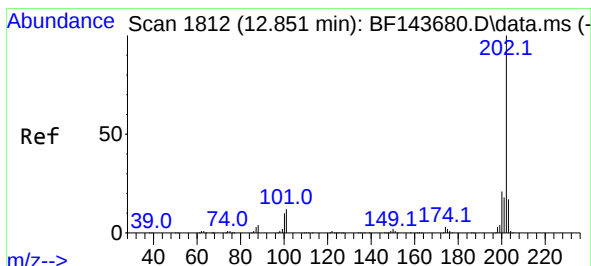
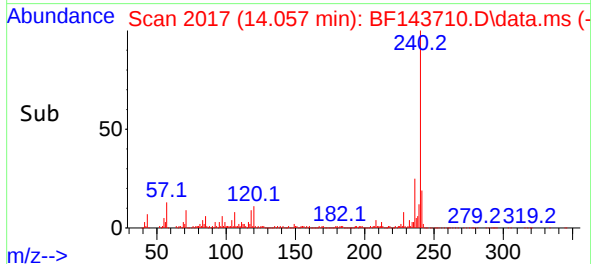
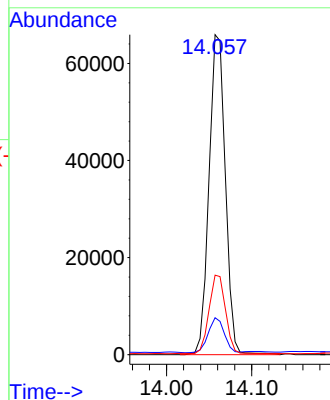
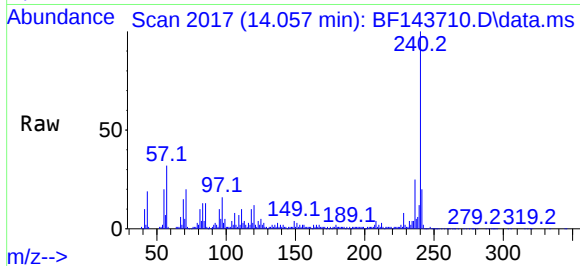




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 20
Delta R.T. 0.012 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

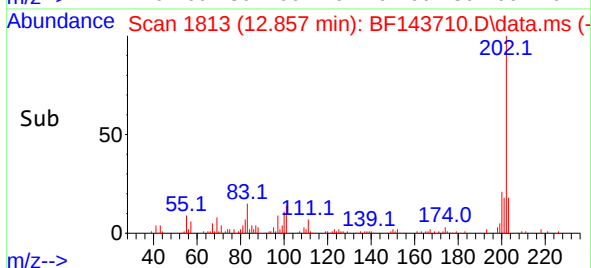
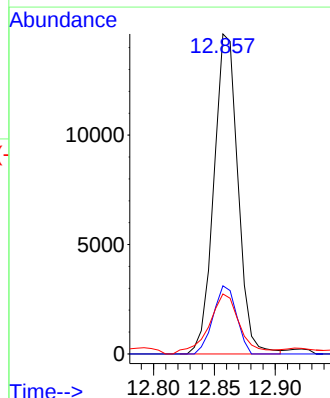
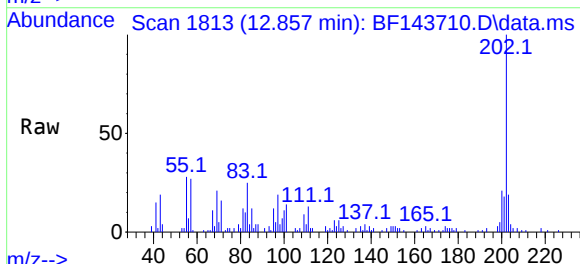
Instrument :
BNA_F
ClientSampleId :
VNJ-242

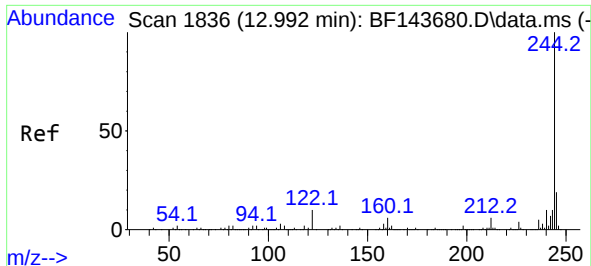
Tgt Ion:240 Resp: 87903
Ion Ratio Lower Upper
240 100
120 11.6 8.4 12.6
236 24.9 18.6 28.0



#78
Pyrene
Concen: 2.860 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.006 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

Tgt Ion:202 Resp: 20099
Ion Ratio Lower Upper
202 100
200 21.3 16.6 24.8
203 18.7 13.5 20.3

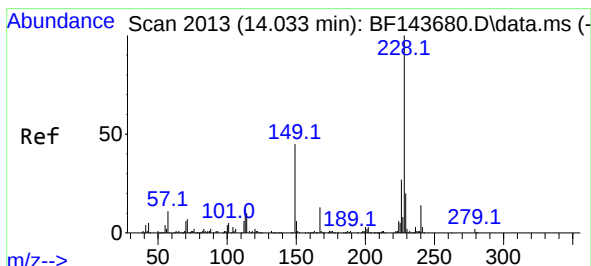
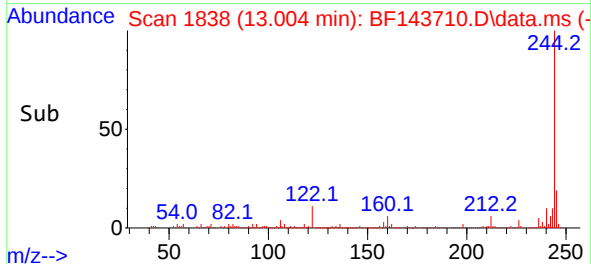
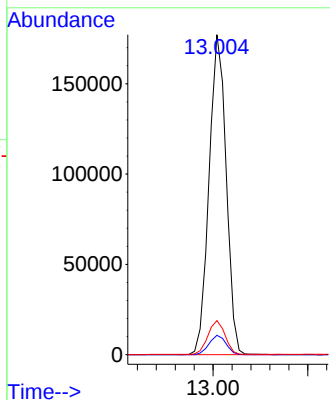
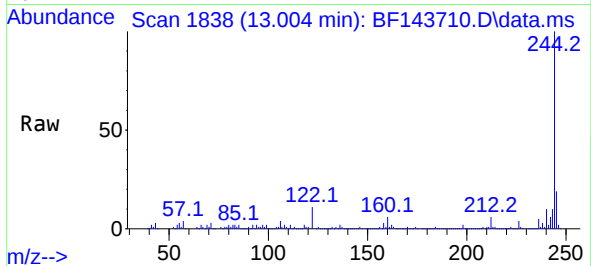




#79
 Terphenyl-d14
 Concen: 40.886 ng
 RT: 13.004 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: BF143710.D
 Acq: 11 Sep 2025 17:00

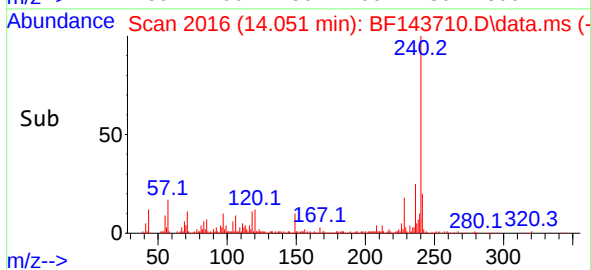
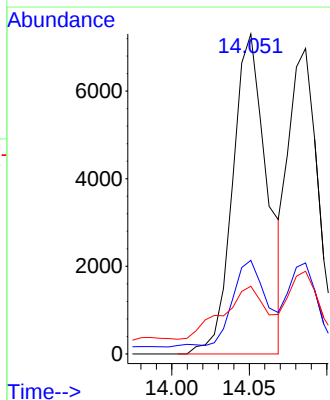
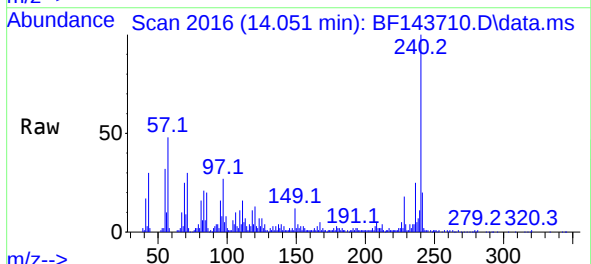
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-242

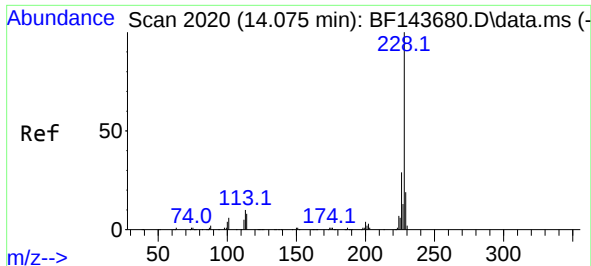
Tgt Ion:244 Resp: 221780
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.0 7.6
 122 10.7 7.9 11.9



#81
 Benzo(a)anthracene
 Concen: 2.000 ng
 RT: 14.051 min Scan# 2016
 Delta R.T. 0.018 min
 Lab File: BF143710.D
 Acq: 11 Sep 2025 17:00

Tgt Ion:228 Resp: 11313
 Ion Ratio Lower Upper
 228 100
 226 29.2 21.6 32.4
 229 21.1 15.7 23.5

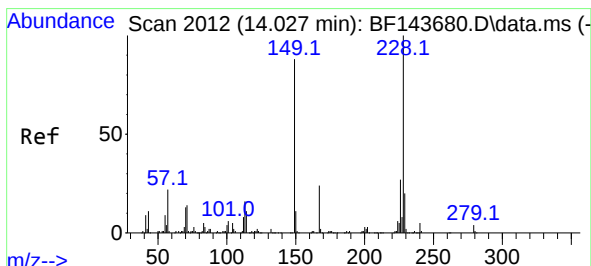
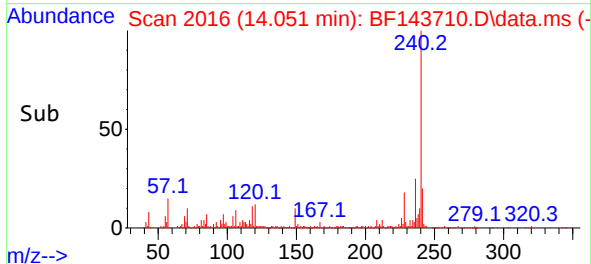
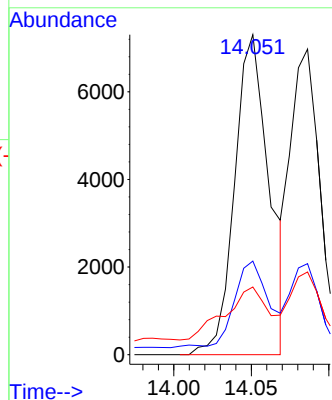
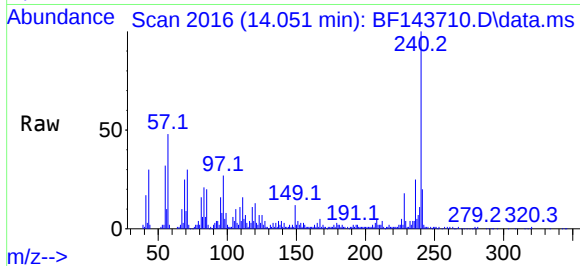




#83
Chrysene
Concen: 2.184 ng
RT: 14.051 min Scan# 2015
Delta R.T. -0.024 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

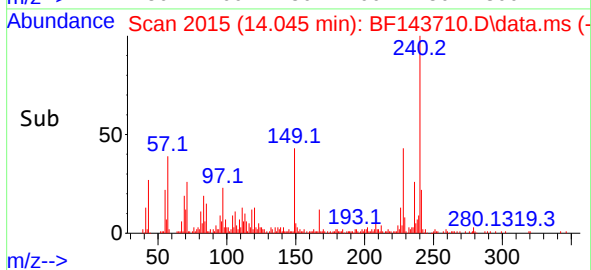
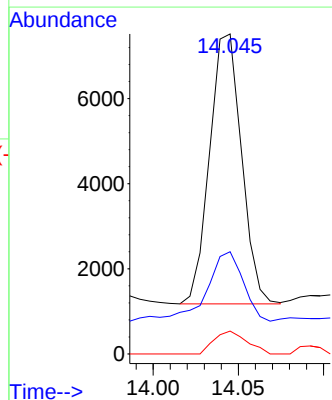
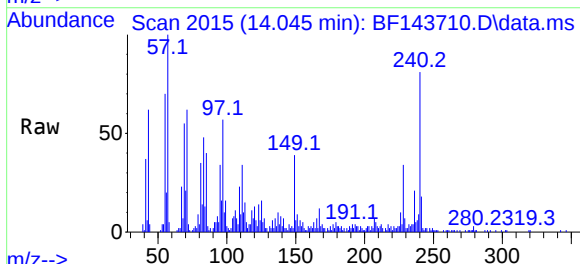
Instrument :
BNA_F
ClientSampleId :
VNJ-242

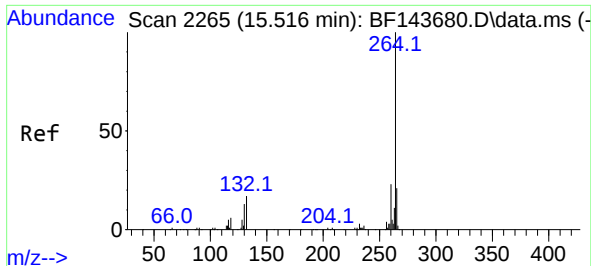
Tgt Ion:228 Resp: 11313
Ion Ratio Lower Upper
228 100
226 29.2 22.7 34.1
229 21.1 15.1 22.7



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.633 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.018 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

Tgt Ion:149 Resp: 8272
Ion Ratio Lower Upper
149 100
167 31.9 22.2 33.2
279 7.2 3.5 5.3#

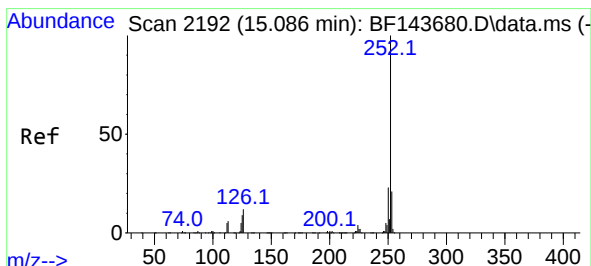
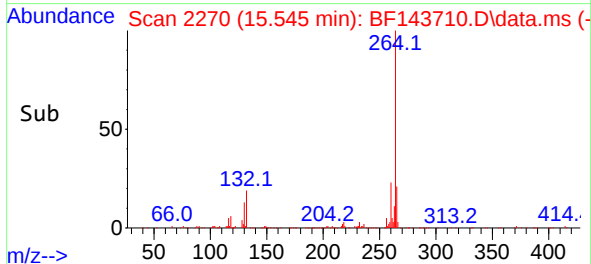
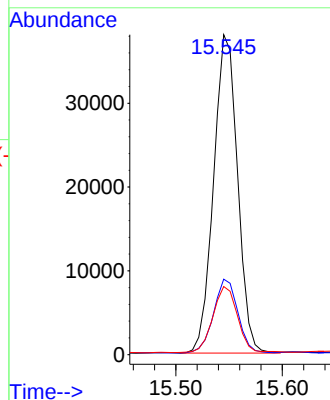
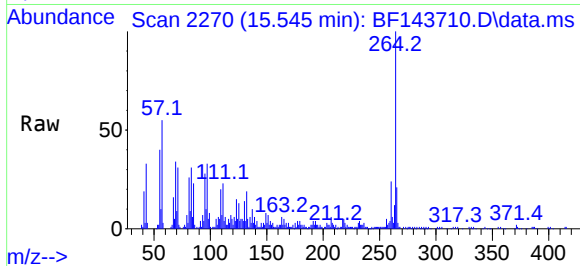




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2196
Delta R.T. 0.029 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

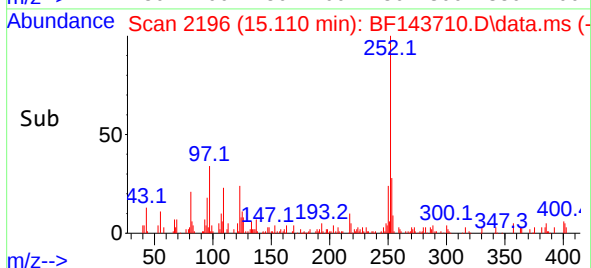
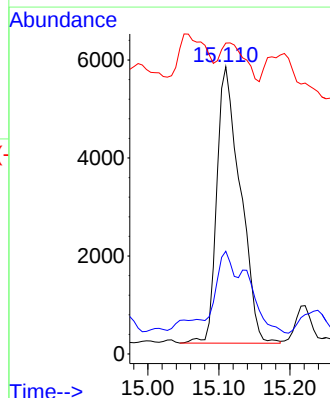
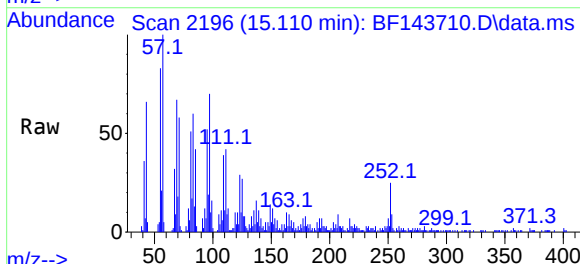
Instrument :
BNA_F
ClientSampleId :
VNJ-242

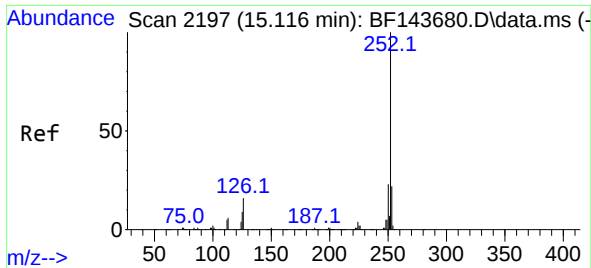
Tgt Ion:	264	Resp:	59234
Ion Ratio	Lower	Upper	
264	100		
260	23.6	18.4	27.6
265	21.3	17.1	25.7



#88
Benzo(b)fluoranthene
Concen: 3.668 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.024 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

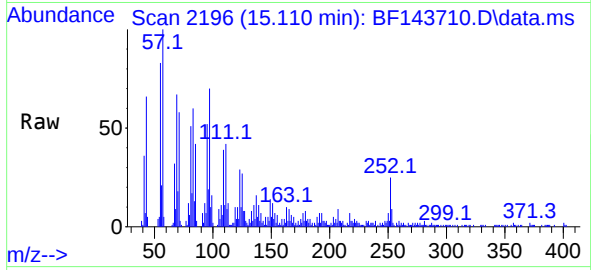
Tgt Ion:	252	Resp:	12934
Ion Ratio	Lower	Upper	
252	100		
253	35.8	17.0	25.4#
125	108.3	7.4	11.0#





#89
Benzo(k)fluoranthene
Concen: 4.064 ng
RT: 15.110 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143710.D
Acq: 11 Sep 2025 17:00

Instrument :
BNA_F
ClientSampleId :
VNJ-242



Tgt Ion:252 Resp: 12934
Ion Ratio Lower Upper
252 100
253 35.8 17.3 25.9#
125 108.3 7.3 10.9#

