

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
 Data File : BF144296.D
 Acq On : 20 Nov 2025 15:59
 Operator : RC/JU
 Sample : Q3662-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1-0.0-1.0-20251117

Quant Time: Nov 20 16:46:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

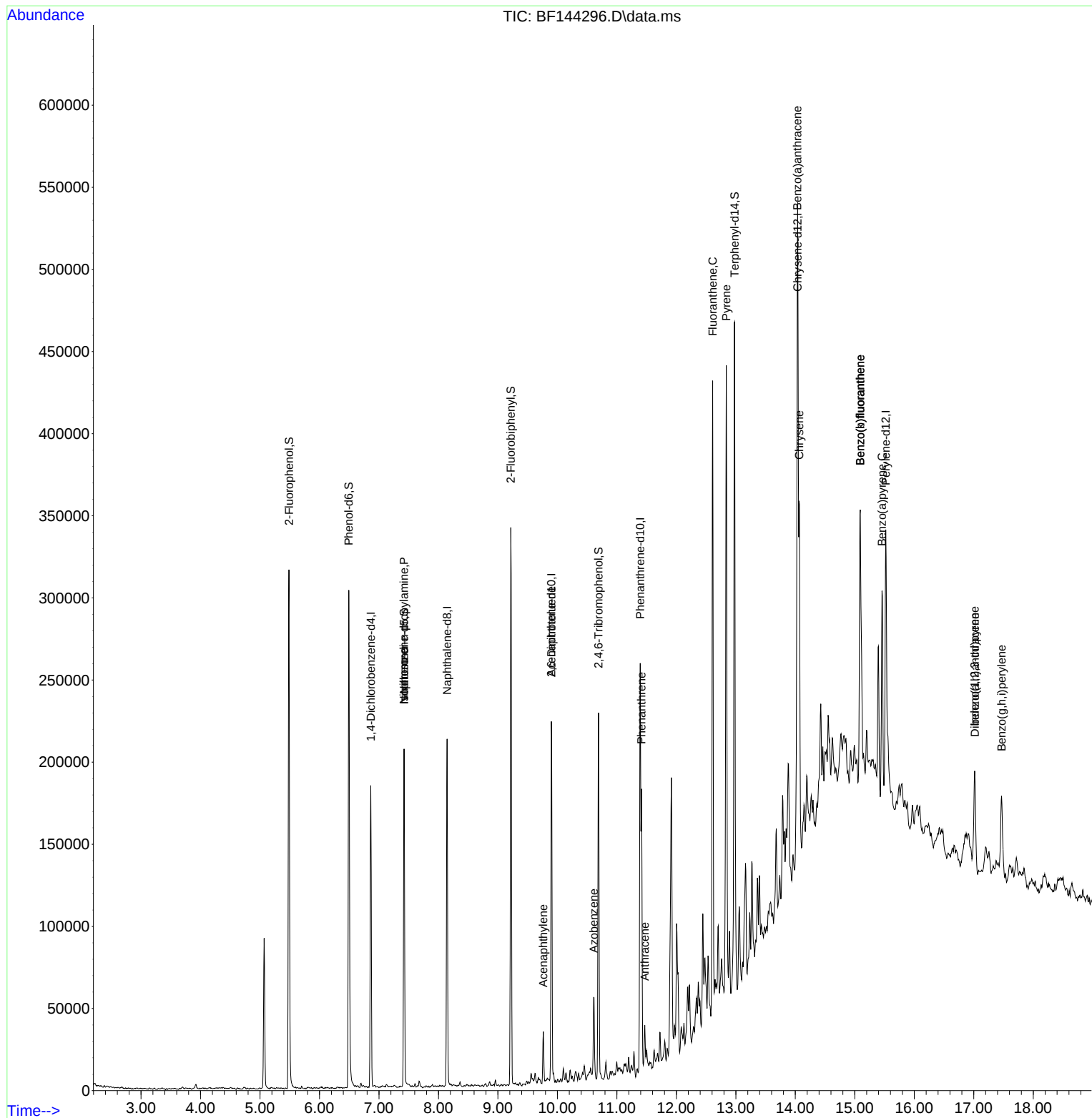
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	39264	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	131569	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	67150	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	132298	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	127839	20.000	ng	-0.01
86) Perylene-d12	15.521	264	98400	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	131616	52.456	ng	0.00
7) Phenol-d6	6.493	99	141899	49.912	ng	0.00
23) Nitrobenzene-d5	7.422	82	82868	36.377	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	41299	49.011	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	155815	34.271	ng	-0.01
79) Terphenyl-d14	12.980	244	219505	27.274	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	12285	6.564	ng	# 80
25) Isophorone	7.422	82	82866	19.231	ng	# 66
49) Acenaphthylene	9.763	152	18793	3.449	ng	98
51) 2,6-Dinitrotoluene	9.898	165	9436	10.478	ng	# 27
63) Azobenzene	10.610	77	11566	3.030	ng	# 1
71) Phenanthrene	11.416	178	93364	14.174	ng	99
72) Anthracene	11.469	178	17264	2.578	ng	97
75) Fluoranthene	12.610	202	219050	32.193	ng	99
78) Pyrene	12.839	202	229746	22.289	ng	99
81) Benzo(a)anthracene	14.033	228	125294	14.141	ng	94
83) Chrysene	14.069	228	132554	16.206	ng	97
87) Indeno(1,2,3-cd)pyrene	17.015	276	44368	6.281	ng	97
88) Benzo(b)fluoranthene	15.092	252	166777	29.812	ng	# 97
89) Benzo(k)fluoranthene	15.092	252	166777	31.851	ng	# 98
90) Benzo(a)pyrene	15.457	252	82438	15.974	ng	# 93
91) Dibenzo(a,h)anthracene	17.021	278	11667	2.057	ng	# 80
92) Benzo(g,h,i)perylene	17.468	276	45713	8.160	ng	# 91

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

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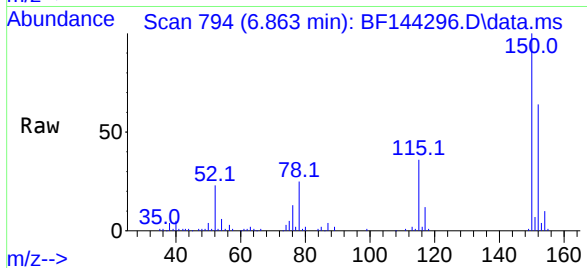
Quant Time: Nov 20 16:46:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
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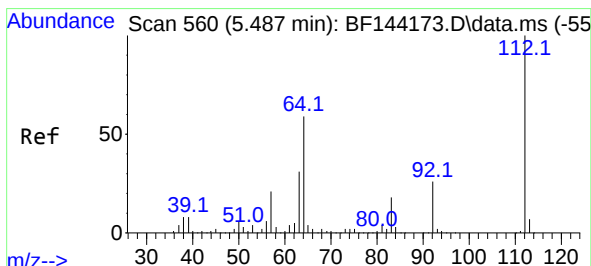
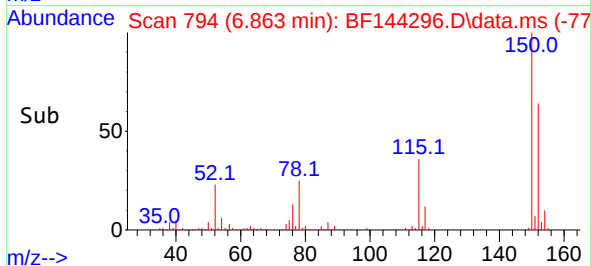
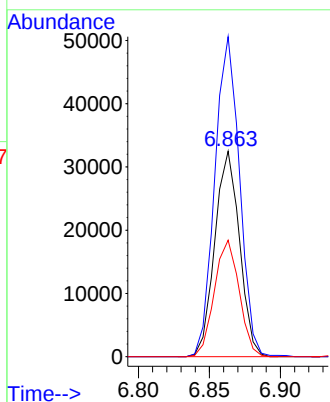


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 794
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

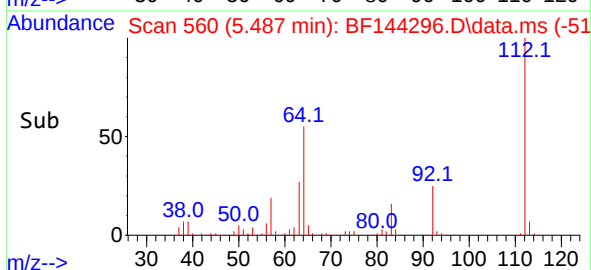
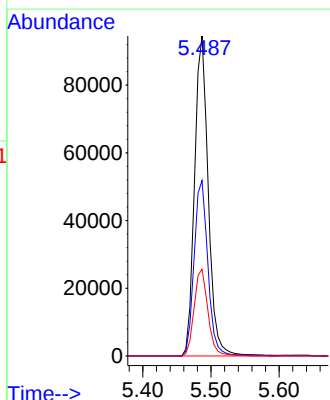
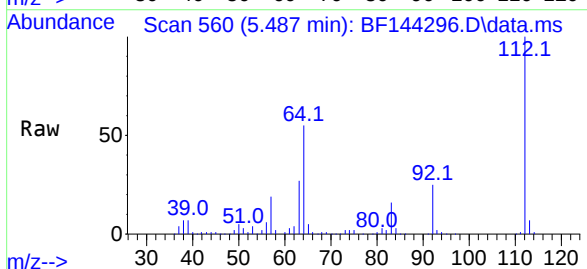


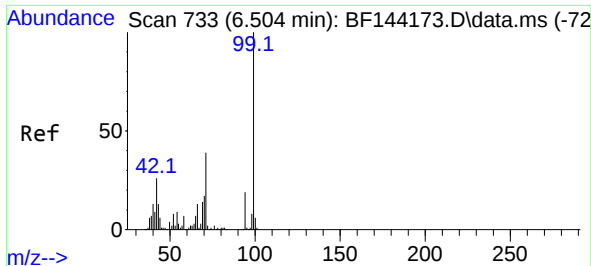
Tgt Ion:152 Resp: 39264
Ion Ratio Lower Upper
152 100
150 155.7 127.4 191.0
115 56.7 49.5 74.3



#5
2-Fluorophenol
Concen: 52.456 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:112 Resp: 131616
Ion Ratio Lower Upper
112 100
64 54.8 47.2 70.8
63 27.1 24.4 36.6

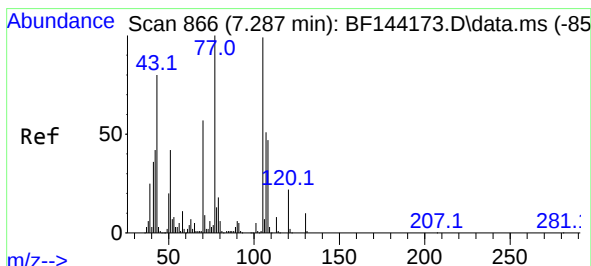
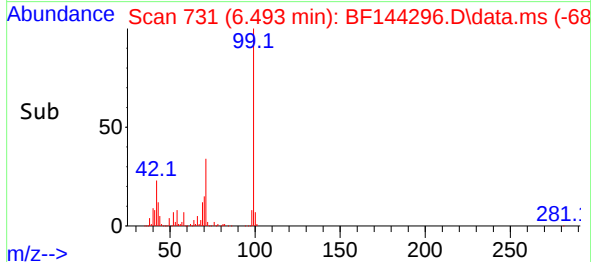
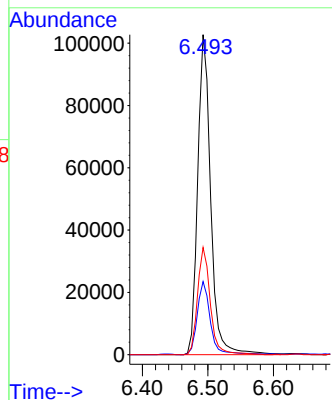
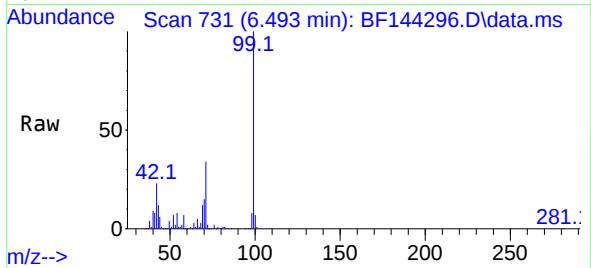




#7
Phenol-d6
Concen: 49.912 ng
RT: 6.493 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

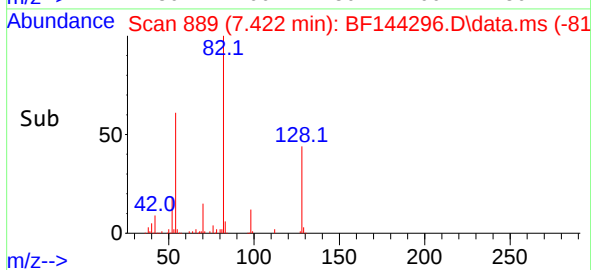
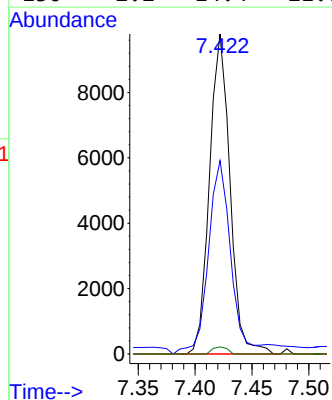
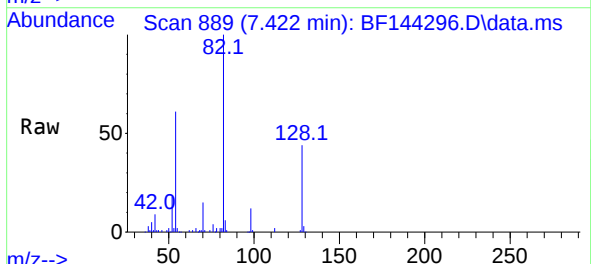
Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

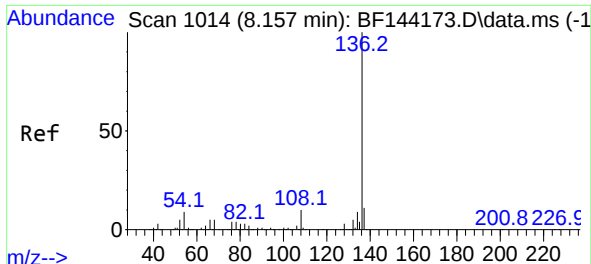
Tgt Ion: 99 Resp: 141899
Ion Ratio Lower Upper
99 100
42 22.9 20.9 31.3
71 33.5 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 6.564 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion: 70 Resp: 12285
Ion Ratio Lower Upper
70 100
42 60.4 58.3 87.5
101 0.0 7.0 10.6#
130 2.2 14.4 21.6#

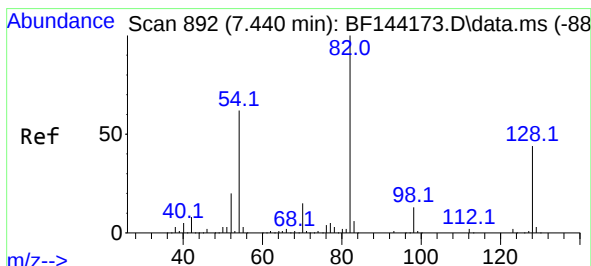
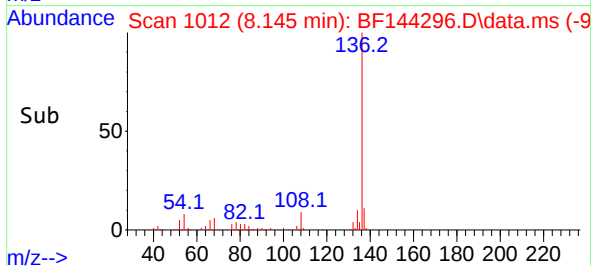
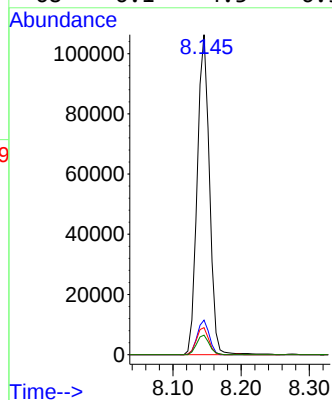
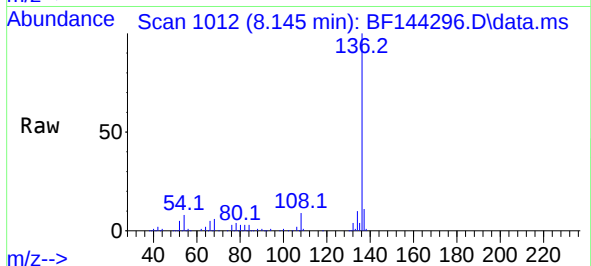




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

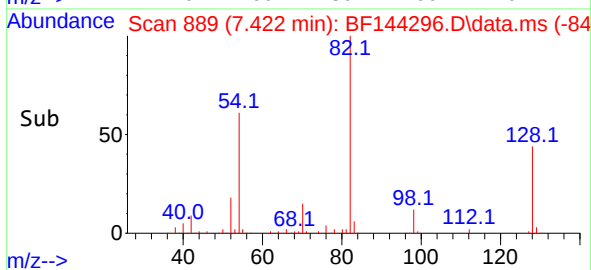
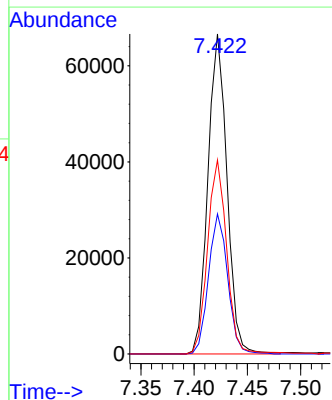
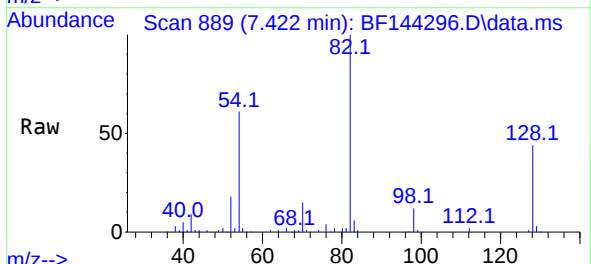
Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

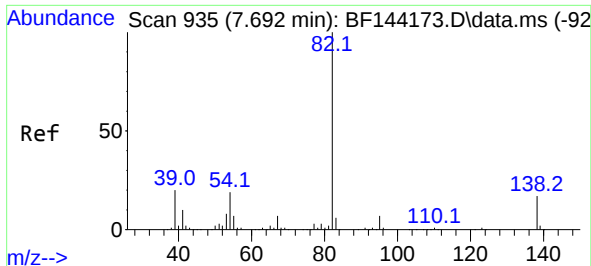
Tgt Ion:	136	Resp:	131569
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.4	7.0	10.6
68	6.1	4.3	6.5



#23
Nitrobenzene-d5
Concen: 36.377 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:	82	Resp:	82868
Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.7	52.1
54	60.6	49.5	74.3

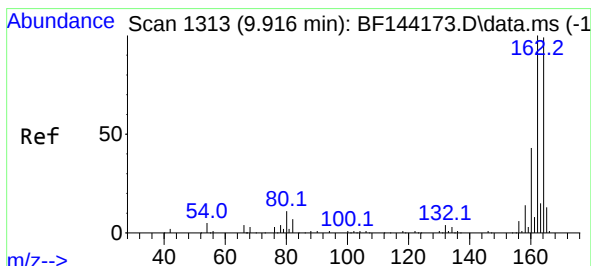
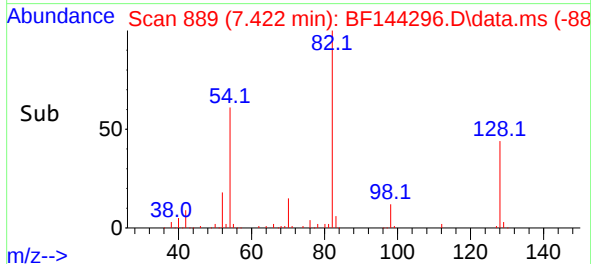
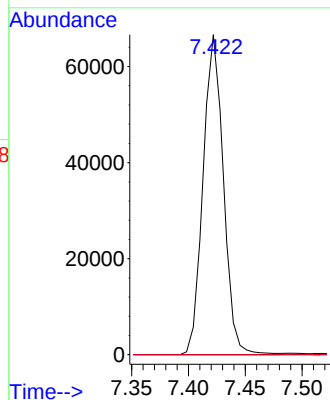
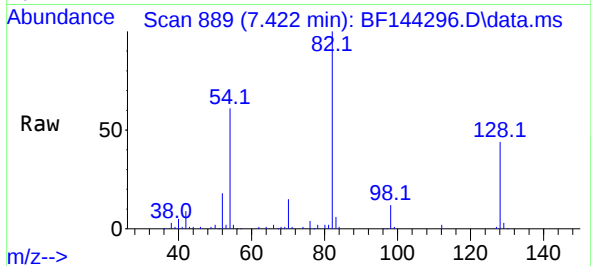




#25
Isophorone
Concen: 19.231 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

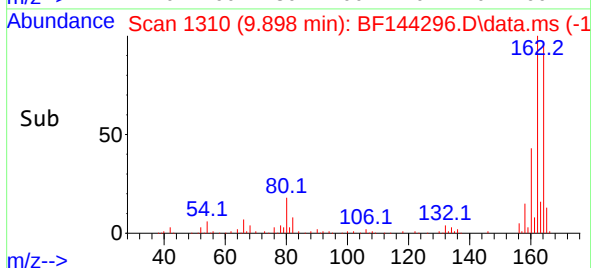
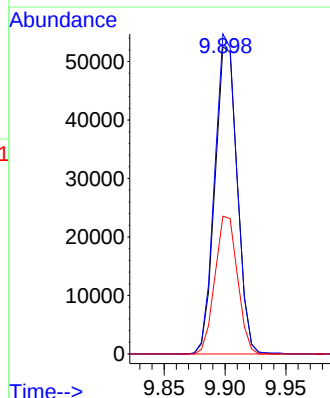
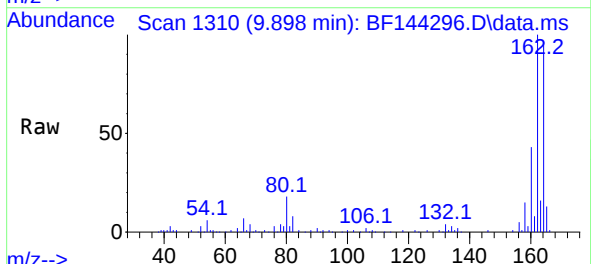
Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

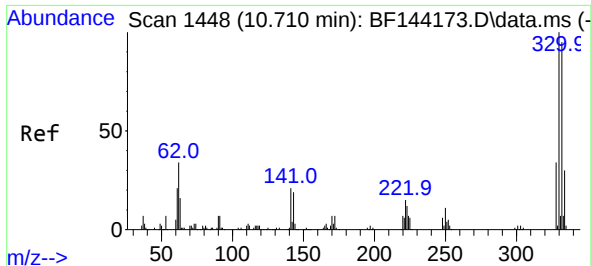
Tgt Ion: 82 Resp: 82866
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

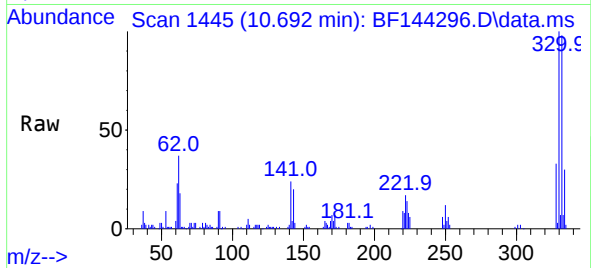
Tgt Ion:164 Resp: 67150
Ion Ratio Lower Upper
164 100
162 104.2 81.1 121.7
160 44.8 34.5 51.7



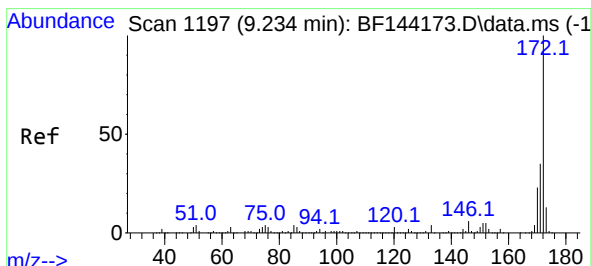
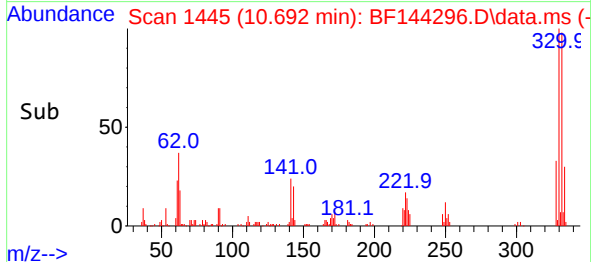
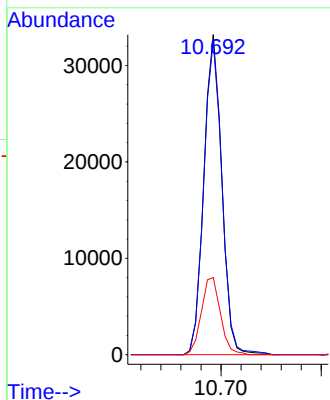


#42
2,4,6-Tribromophenol
Concen: 49.011 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

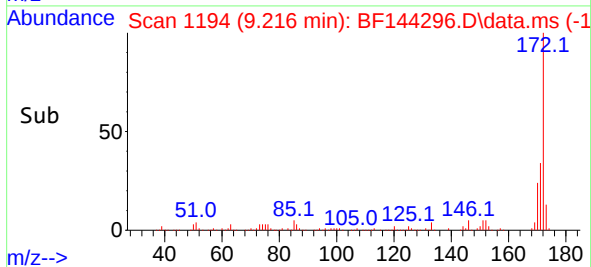
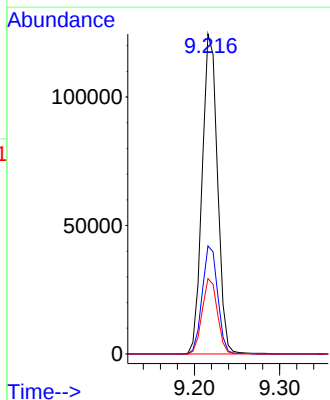
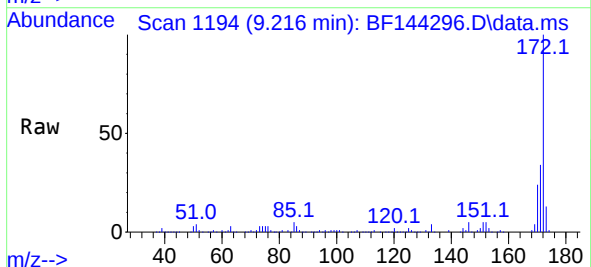


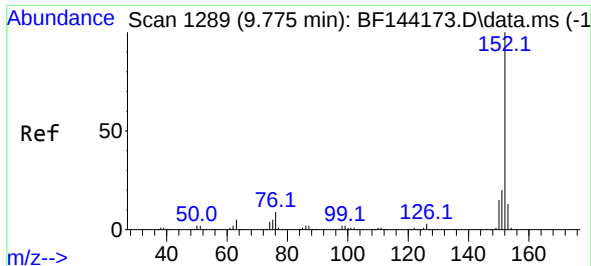
Tgt Ion:330 Resp: 41299
Ion Ratio Lower Upper
330 100
332 99.6 76.7 115.1
141 25.7 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 34.271 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:172 Resp: 155815
Ion Ratio Lower Upper
172 100
171 33.7 28.1 42.1
170 23.6 18.6 28.0





#49

Acenaphthylene

Concen: 3.449 ng

RT: 9.763 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF144296.D

Acq: 20 Nov 2025 15:59

Instrument :

BNA_F

ClientSampleId :

B1-0.0-1.0-20251117

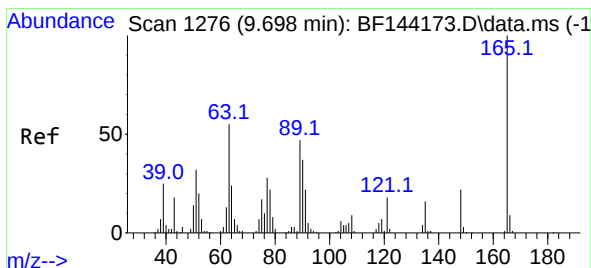
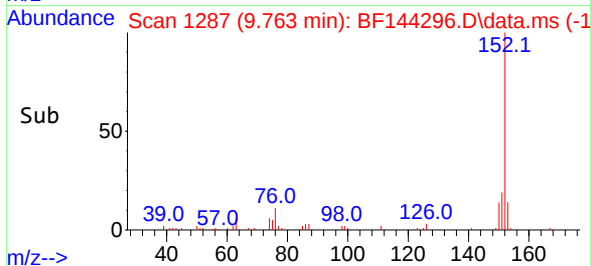
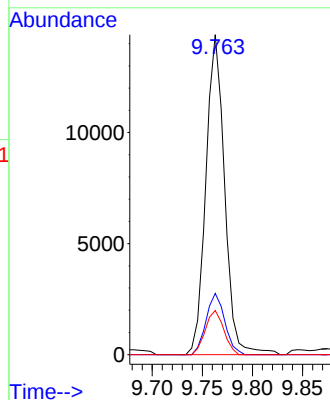
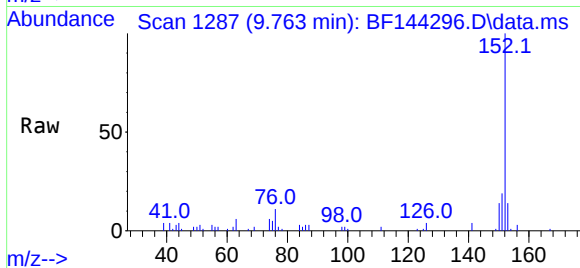
Tgt Ion:152 Resp: 18793

Ion Ratio Lower Upper

152 100

151 19.1 15.9 23.9

153 13.8 10.5 15.7



#51

2,6-Dinitrotoluene

Concen: 10.478 ng

RT: 9.898 min Scan# 1310

Delta R.T. 0.206 min

Lab File: BF144296.D

Acq: 20 Nov 2025 15:59

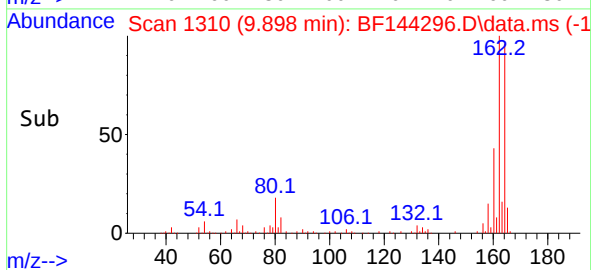
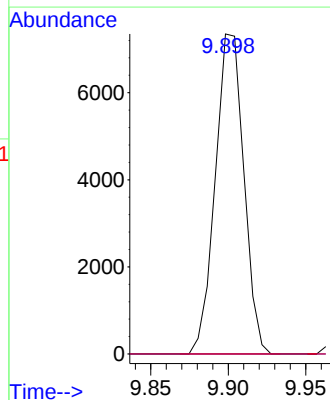
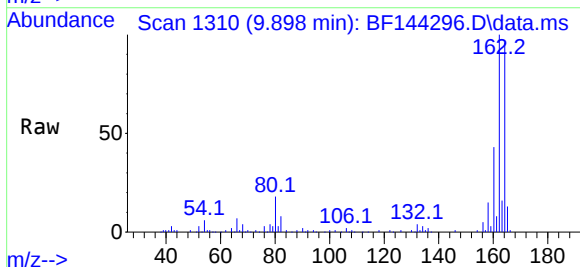
Tgt Ion:165 Resp: 9436

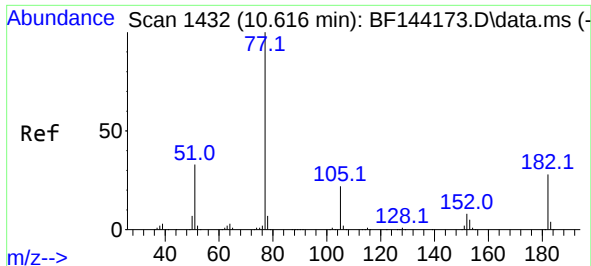
Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

89 0.0 37.5 56.3#

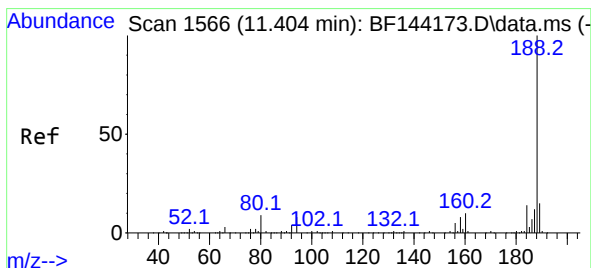
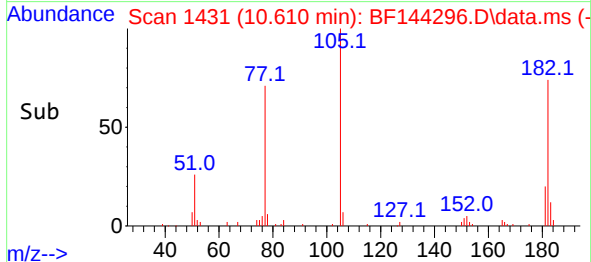
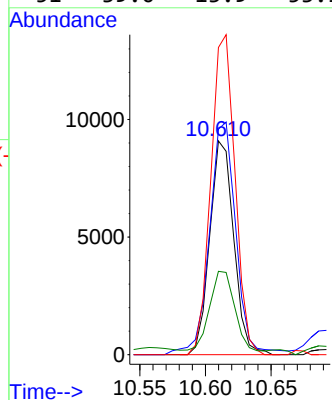
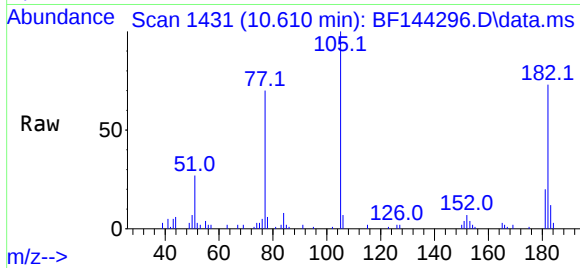




#63
Azobenzene
Concen: 3.030 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

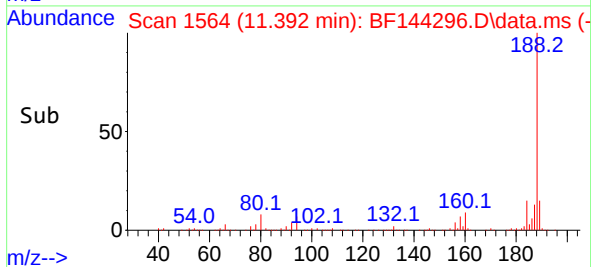
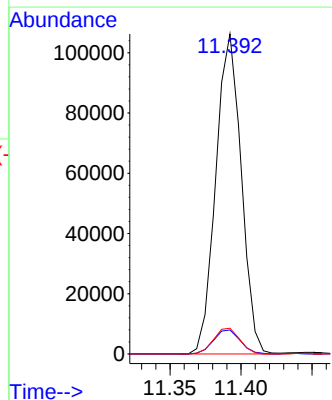
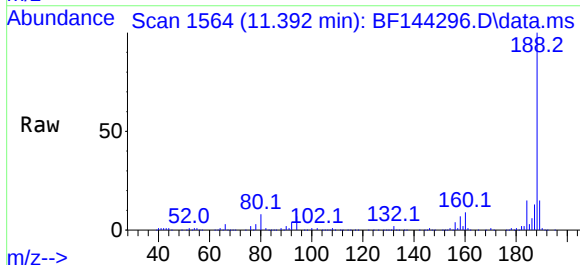
Instrument :
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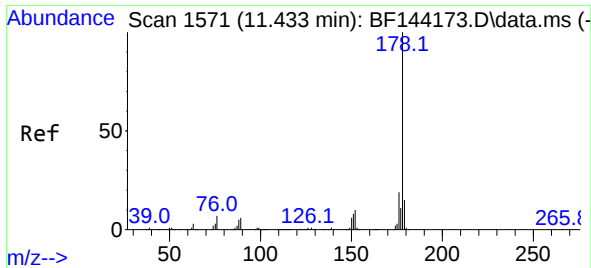
Tgt Ion: 77	Resp: 11566
Ion Ratio	Lower Upper
77 100	
182 105.4	8.1 48.1#
105 143.7	2.0 42.0#
51 39.0	13.9 53.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion: 188	Resp: 132298
Ion Ratio	Lower Upper
188 100	
94 7.5	6.2 9.2
80 8.0	6.9 10.3

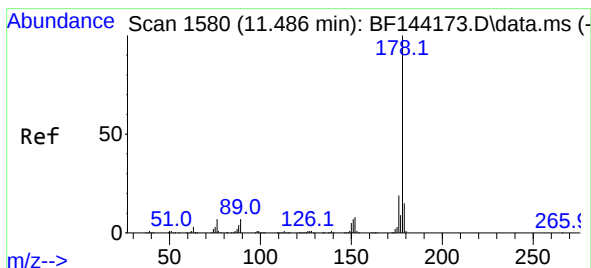
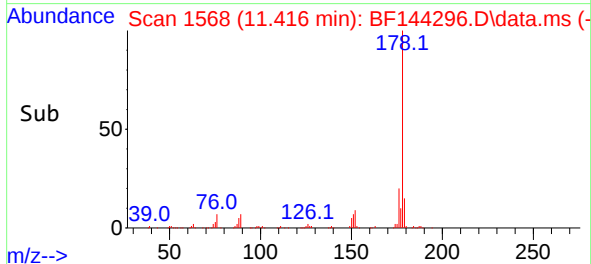
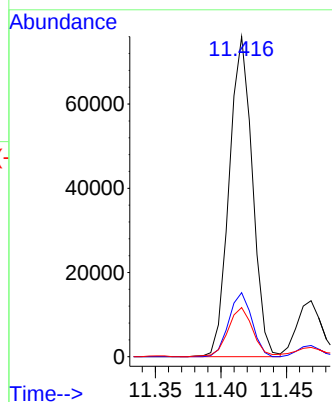
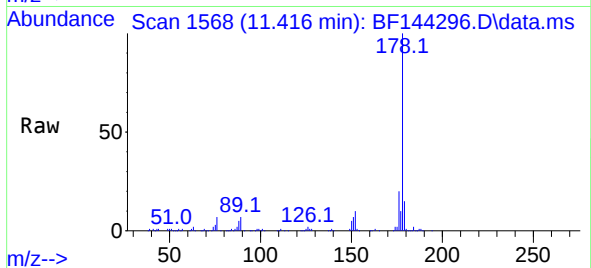




#71
Phenanthrene
Concen: 14.174 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

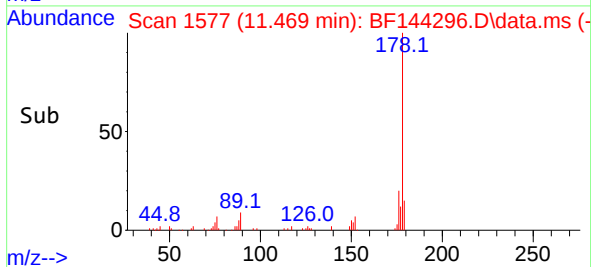
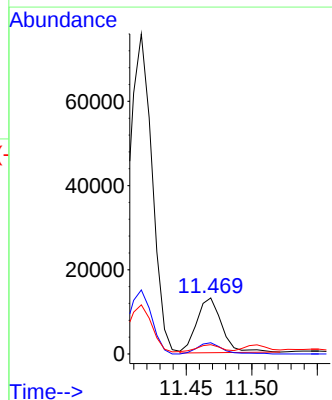
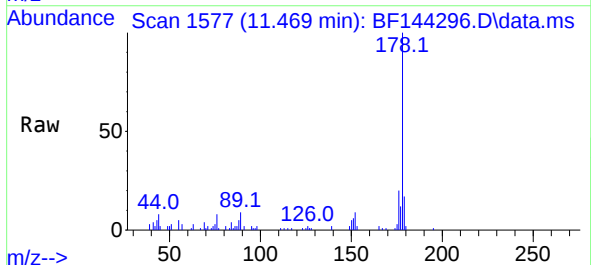
Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

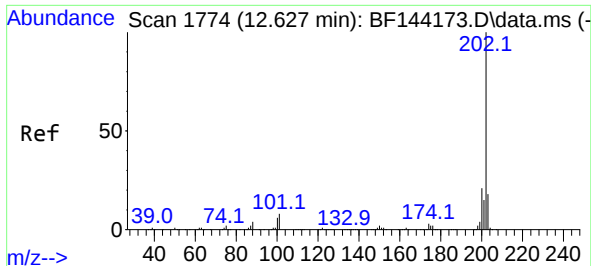
Tgt Ion:	178	Resp:	93364
Ion Ratio	Lower	Upper	
178	100		
176	20.0	15.5	23.3
179	15.4	12.2	18.4



#72
Anthracene
Concen: 2.578 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:	178	Resp:	17264
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.3	22.9
179	16.7	12.0	18.0

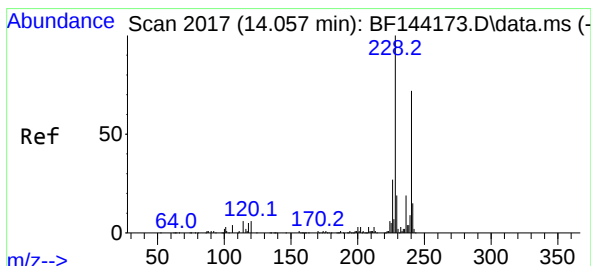
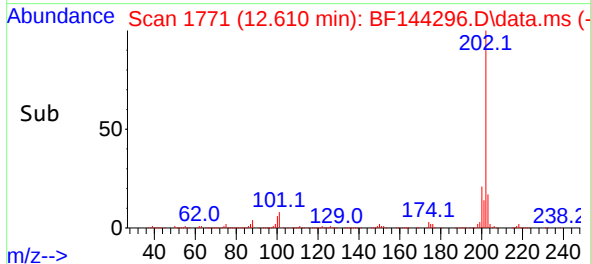
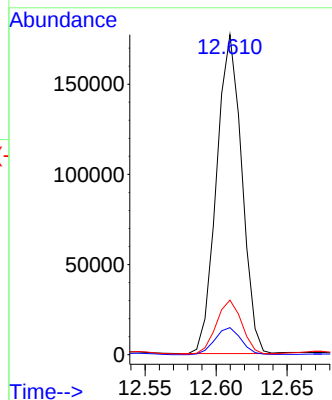
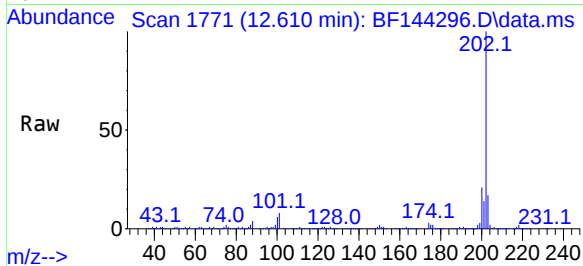




#75
Fluoranthene
Concen: 32.193 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

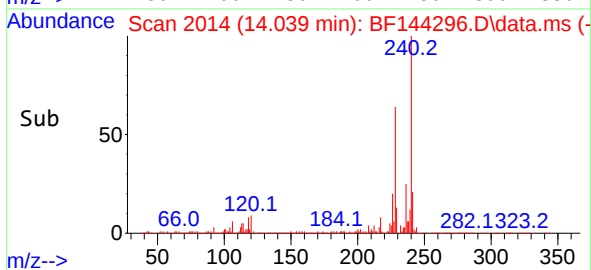
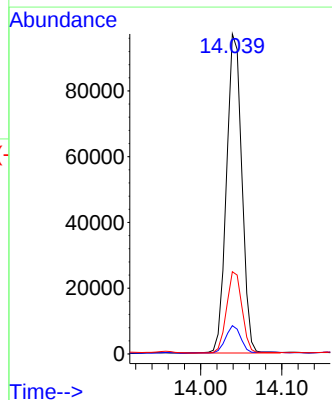
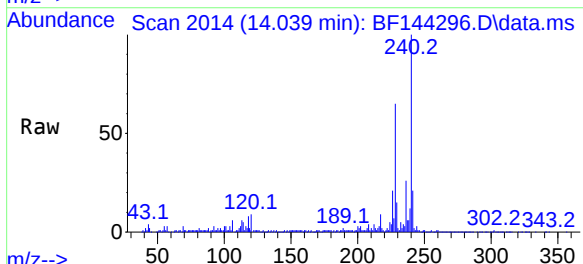
Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

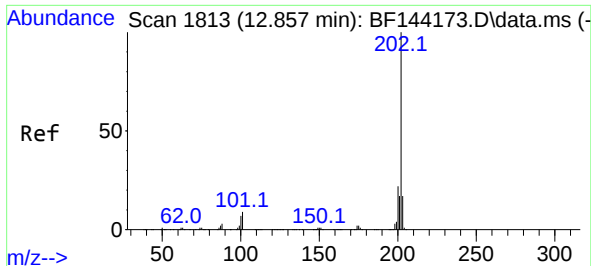
Tgt Ion:202 Resp: 219050
Ion Ratio Lower Upper
202 100
101 8.4 0.0 27.9
203 17.0 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:240 Resp: 127839
Ion Ratio Lower Upper
240 100
120 8.9 6.6 10.0
236 25.7 21.4 32.2

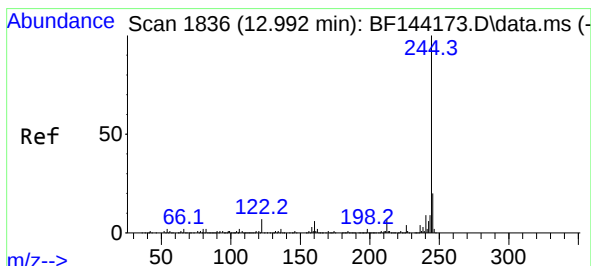
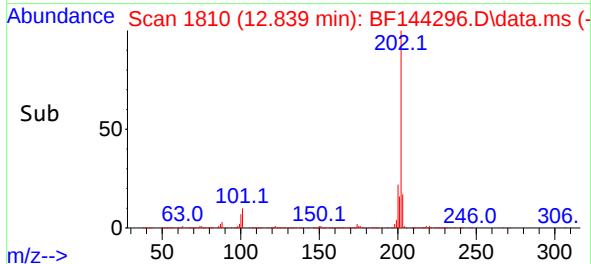
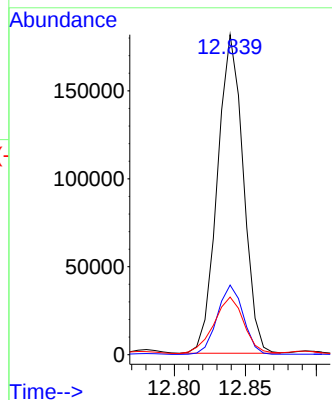
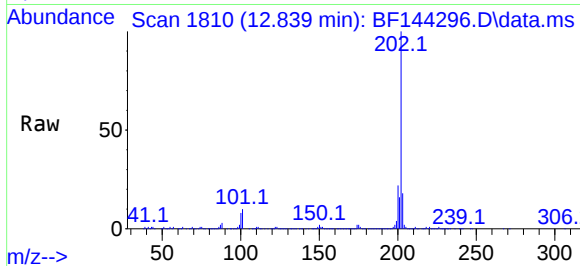




#78
Pyrene
Concen: 22.289 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

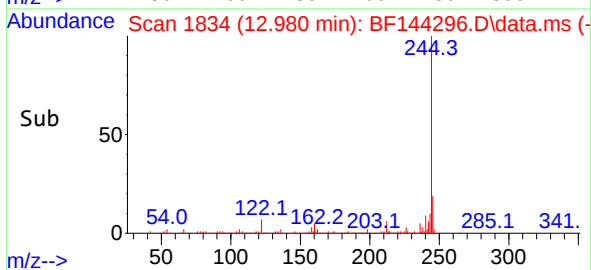
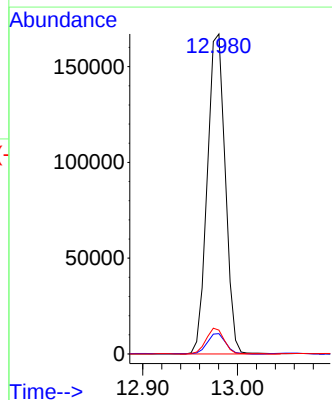
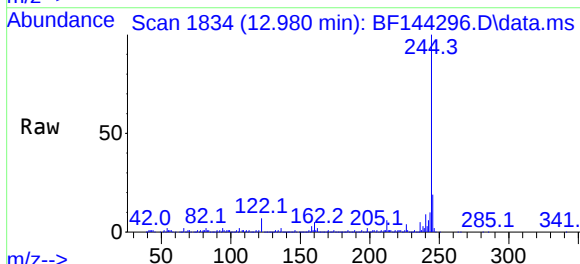
Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

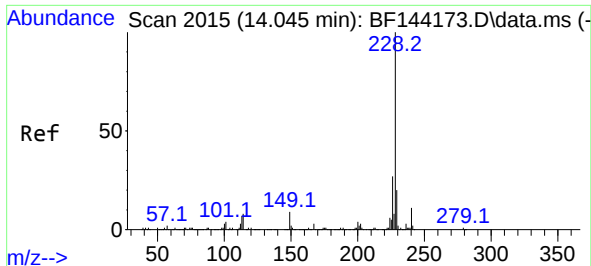
Tgt Ion:	202	Resp:	229746
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.2	25.8
203	18.0	13.7	20.5



#79
Terphenyl-d14
Concen: 27.274 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:	244	Resp:	219505
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.3	7.9
122	7.4	5.6	8.4

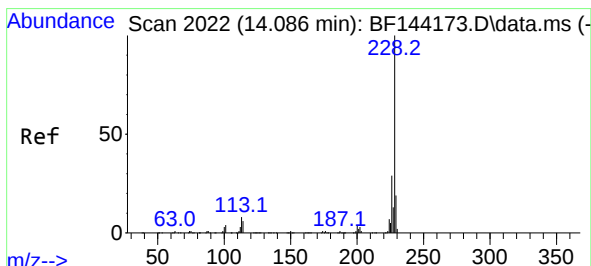
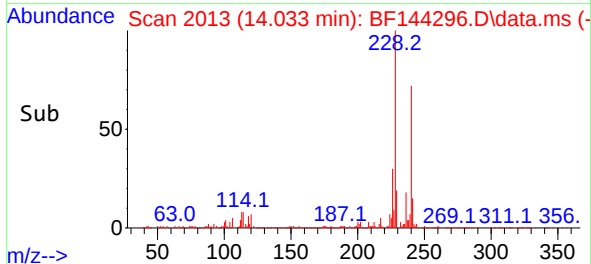
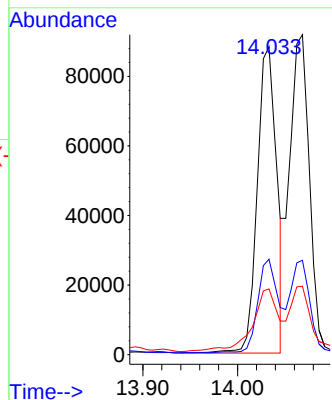
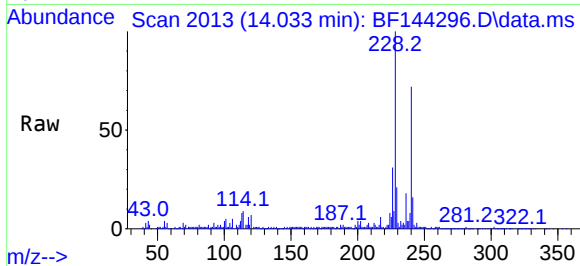




#81
Benzo(a)anthracene
Concen: 14.141 ng
RT: 14.033 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

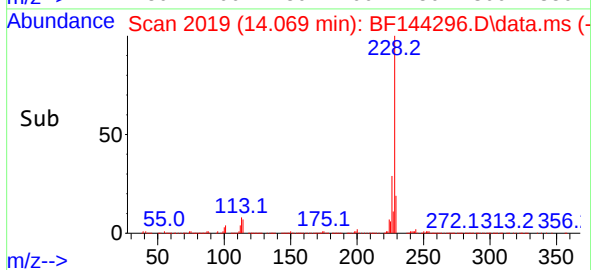
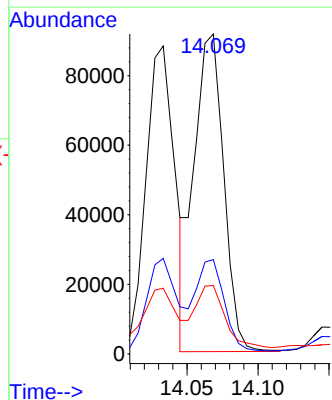
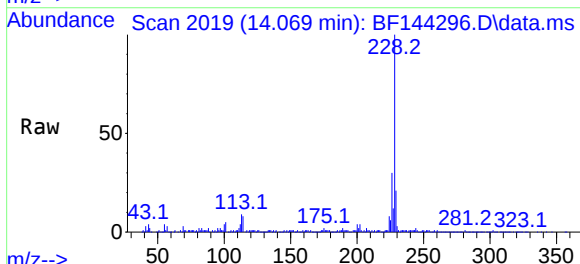
Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

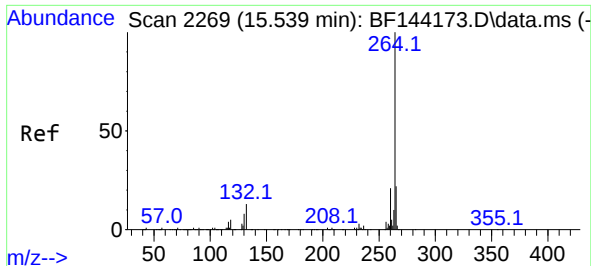
Tgt Ion:228 Resp: 125294
Ion Ratio Lower Upper
228 100
226 31.0 21.8 32.8
229 21.4 15.8 23.6



#83
Chrysene
Concen: 16.206 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:228 Resp: 132554
Ion Ratio Lower Upper
228 100
226 29.5 22.9 34.3
229 21.4 15.0 22.6

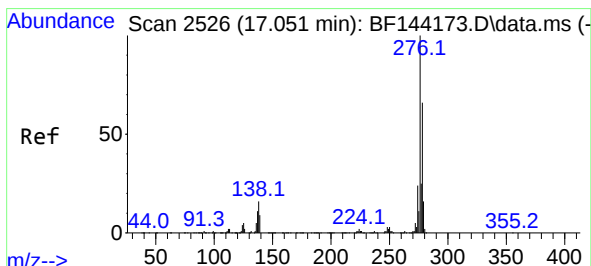
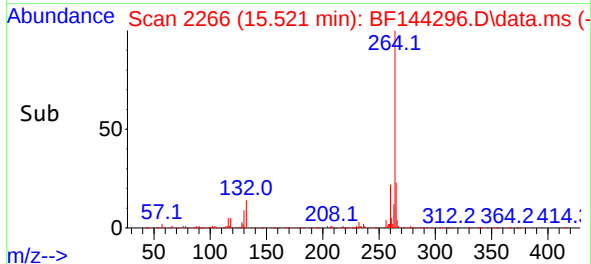
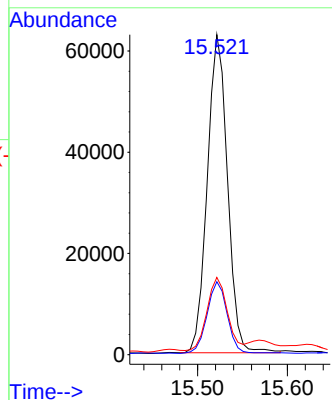
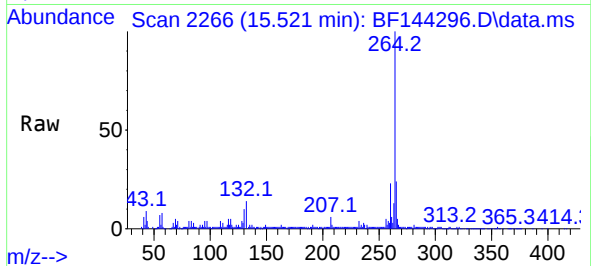




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.521 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF144296.D
 Acq: 20 Nov 2025 15:59

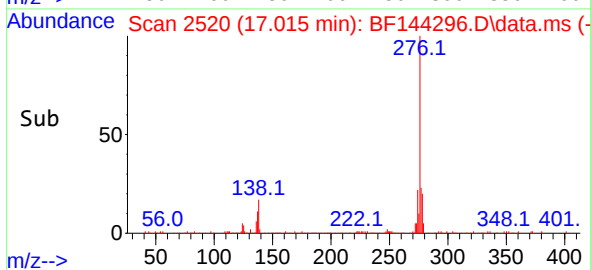
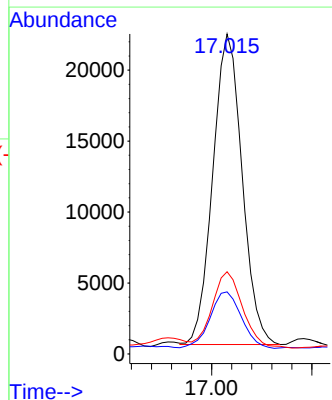
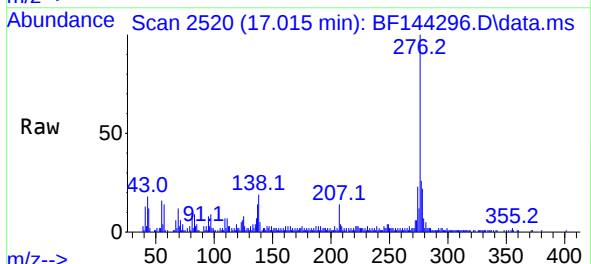
Instrument :
 BNA_F
 ClientSampleId :
 B1-0.0-1.0-20251117

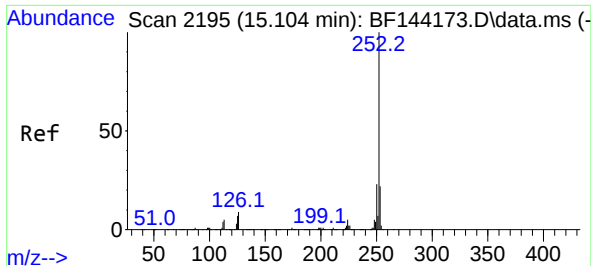
Tgt Ion:264 Resp: 98400
 Ion Ratio Lower Upper
 264 100
 260 22.8 17.1 25.7
 265 24.2 17.4 26.0



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.281 ng
 RT: 17.015 min Scan# 2520
 Delta R.T. -0.018 min
 Lab File: BF144296.D
 Acq: 20 Nov 2025 15:59

Tgt Ion:276 Resp: 44368
 Ion Ratio Lower Upper
 276 100
 138 19.5 13.9 20.9
 277 25.5 19.8 29.6

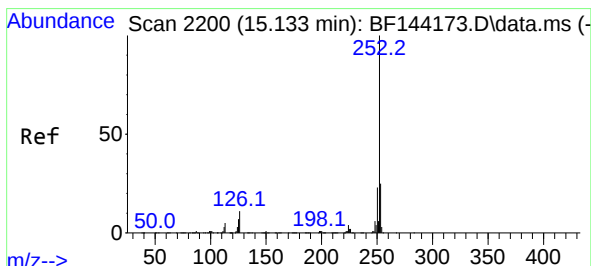
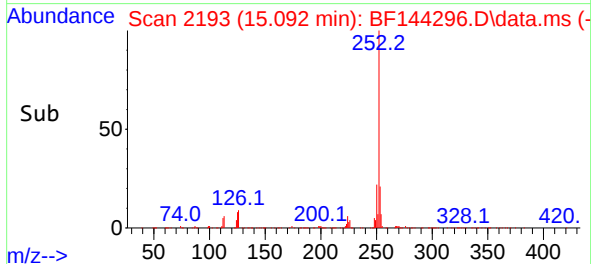
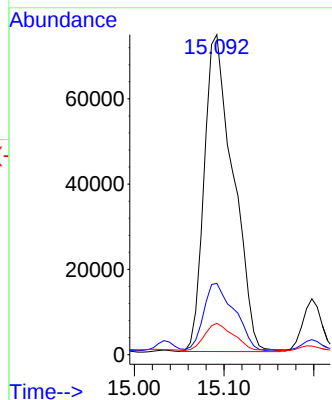
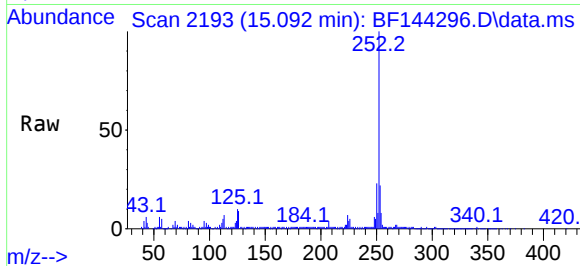




#88
Benzo(b)fluoranthene
Concen: 29.812 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

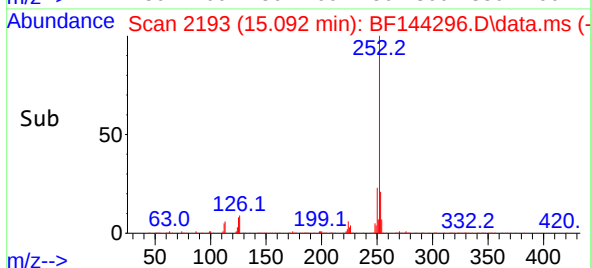
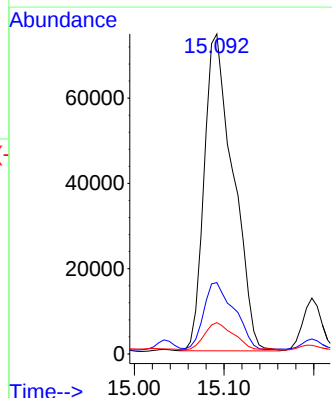
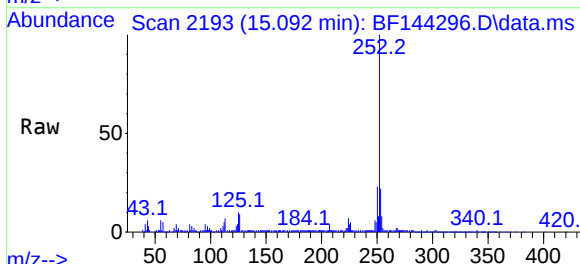
Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

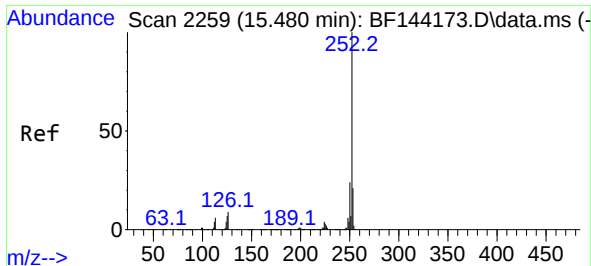
Tgt Ion:252 Resp: 166777
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 9.8 5.3 7.9#



#89
Benzo(k)fluoranthene
Concen: 31.851 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.035 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

Tgt Ion:252 Resp: 166777
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 9.8 5.4 8.2#

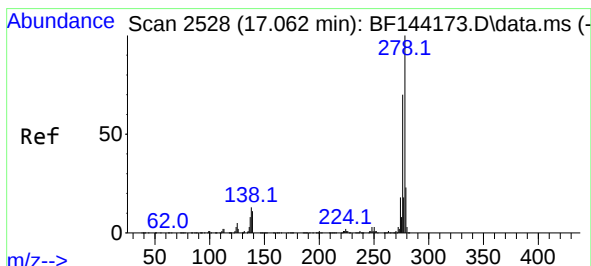
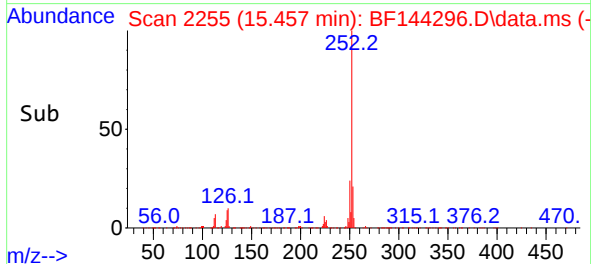
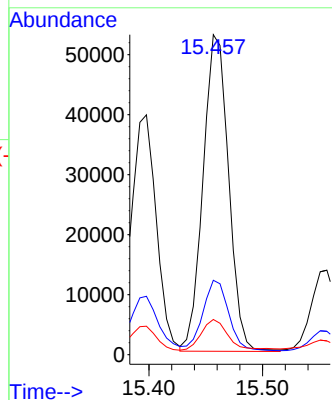
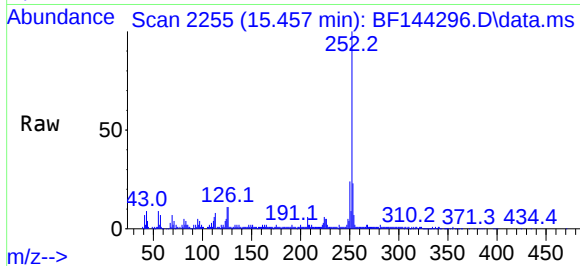




#90
Benzo(a)pyrene
Concen: 15.974 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

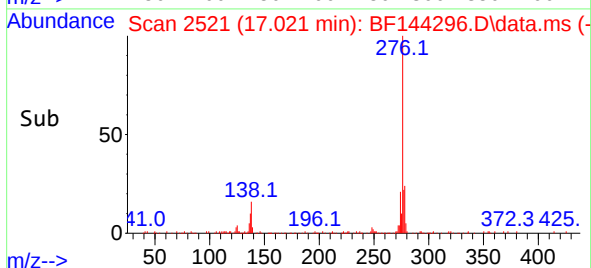
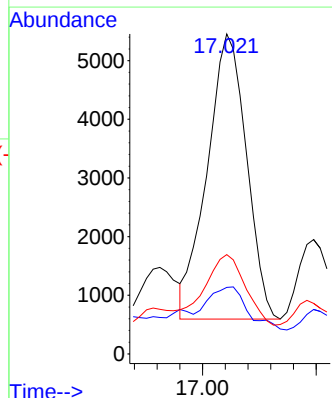
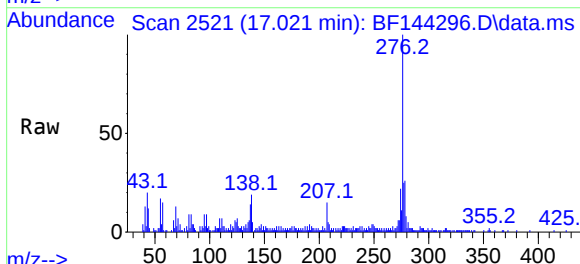
Instrument :
BNA_F
ClientSampleId :
B1-0.0-1.0-20251117

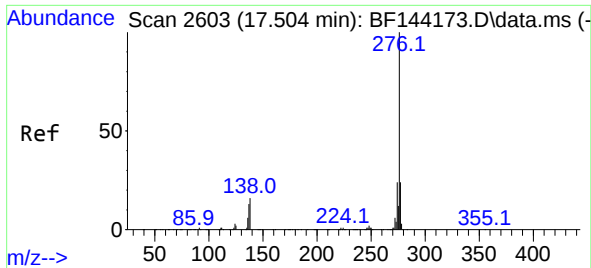
Tgt Ion:252 Resp: 82438
Ion Ratio Lower Upper
252 100
253 23.2 16.7 25.1
125 11.0 5.7 8.5#



#91
Dibenzo(a,h)anthracene
Concen: 2.057 ng
RT: 17.021 min Scan# 2521
Delta R.T. -0.029 min
Lab File: BF144296.D
Acq: 20 Nov 2025 15:59

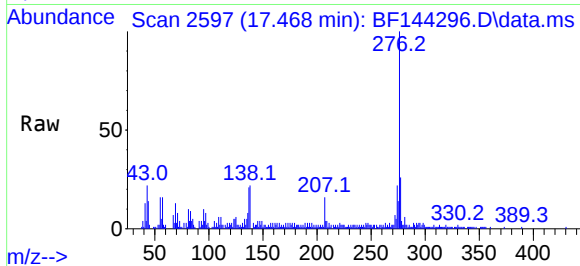
Tgt Ion:278 Resp: 11667
Ion Ratio Lower Upper
278 100
139 20.8 9.1 13.7#
279 31.1 18.2 27.4#





#92
 Benzo(g,h,i)perylene
 Concen: 8.160 ng
 RT: 17.468 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: BF144296.D
 Acq: 20 Nov 2025 15:59

Instrument :
 BNA_F
 ClientSampleId :
 B1-0.0-1.0-20251117



Tgt Ion:276 Resp: 45713
 Ion Ratio Lower Upper
 276 100
 277 26.4 19.0 28.4
 138 21.8 12.9 19.3#

