

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120325\
 Data File : BF144421.D
 Acq On : 03 Dec 2025 16:06
 Operator : RC/JU
 Sample : Q3741-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B50-SP9-112425

Quant Time: Dec 03 16:25:30 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)

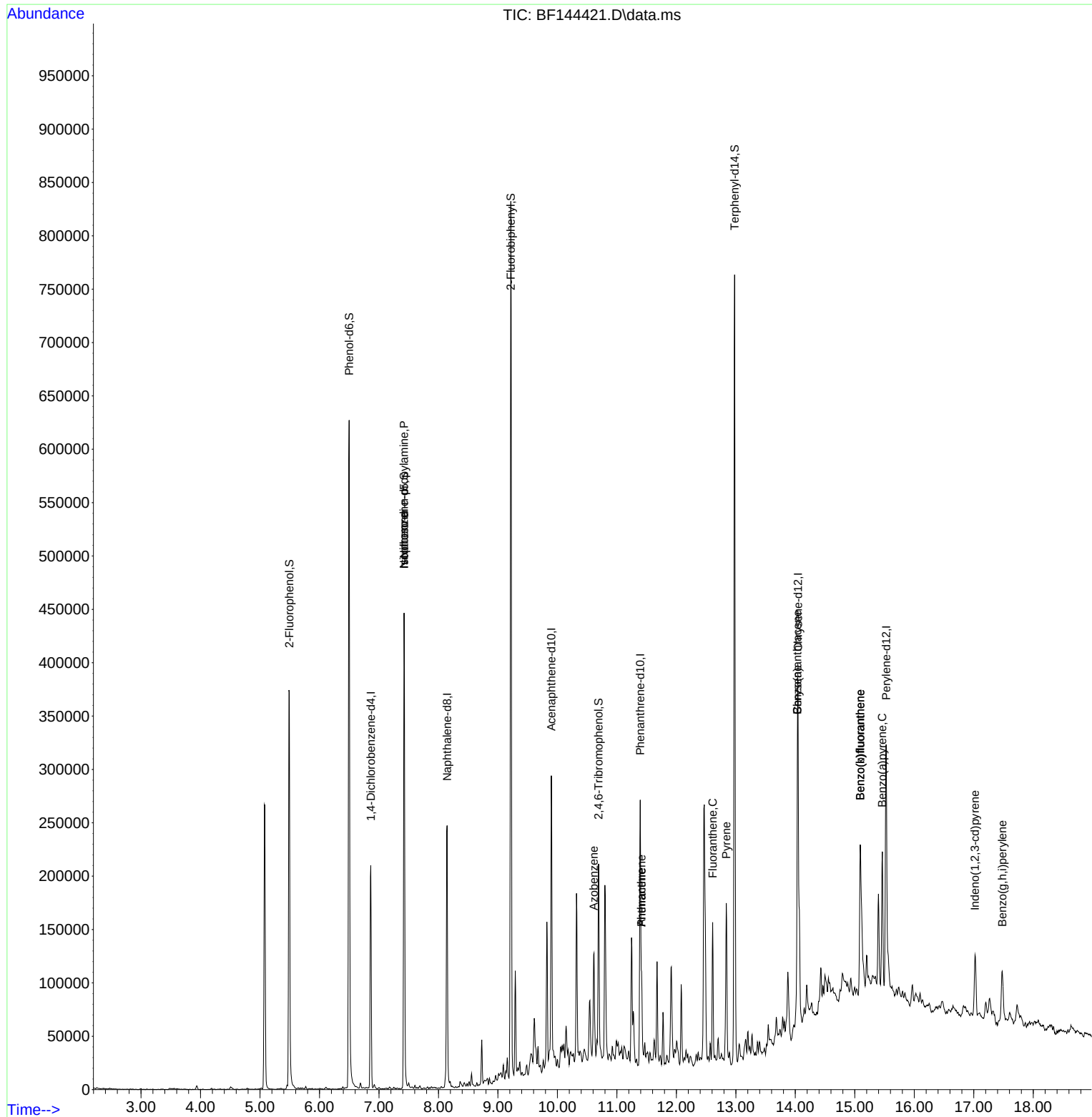
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	45091	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	171081	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	84880	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	134914	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	128244	20.000	ng	0.00
86) Perylene-d12	15.527	264	147094	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	165564	57.459	ng	0.00
7) Phenol-d6	6.498	99	290264	88.904	ng	0.00
23) Nitrobenzene-d5	7.422	82	190182	64.203	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	38726	36.357	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	393357	68.445	ng	-0.01
79) Terphenyl-d14	12.980	244	397302	49.209	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	27419	12.757	ng	# 78
25) Isophorone	7.422	82	190201	33.946	ng	# 66
63) Azobenzene	10.610	77	23056	4.779	ng	# 1
71) Phenanthrene	11.416	178	43263	6.441	ng	98
72) Anthracene	11.416	178	43263	6.334	ng	98
75) Fluoranthene	12.610	202	71614	10.321	ng	98
78) Pyrene	12.839	202	73212	7.080	ng	98
81) Benzo(a)anthracene	14.033	228	66967	7.534	ng	95
83) Chrysene	14.033	228	66967	8.162	ng	95
87) Indeno(1,2,3-cd)pyrene	17.021	276	46436	4.398	ng	99
88) Benzo(b)fluoranthene	15.092	252	130101	15.557	ng	# 95
89) Benzo(k)fluoranthene	15.092	252	130101	16.621	ng	# 96
90) Benzo(a)pyrene	15.462	252	83609	10.837	ng	# 95
92) Benzo(g,h,i)perylene	17.480	276	47247	5.642	ng	99

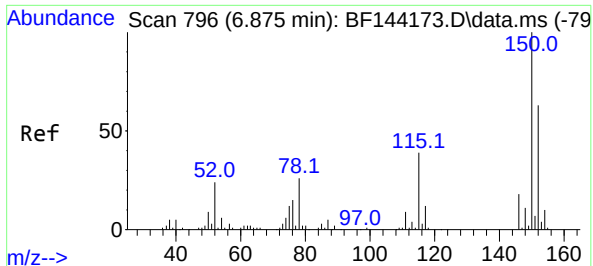
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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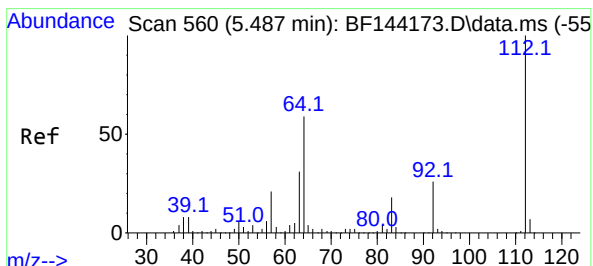
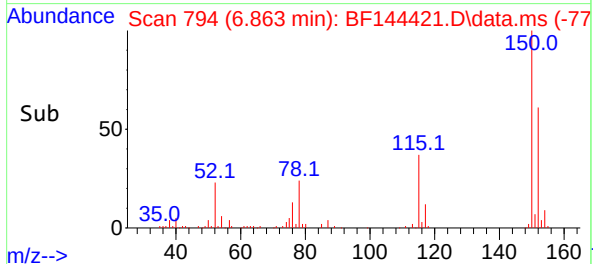
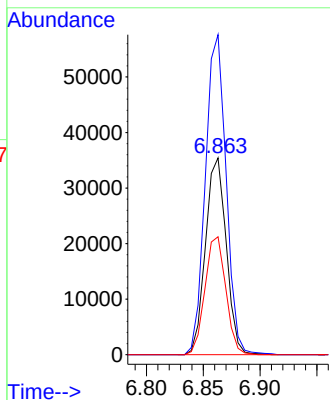
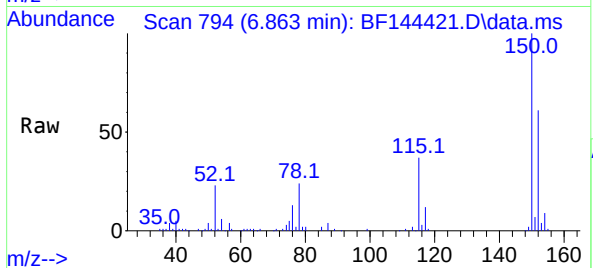




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 794
Delta R.T. -0.012 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06

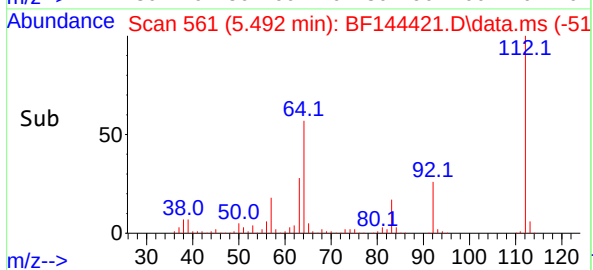
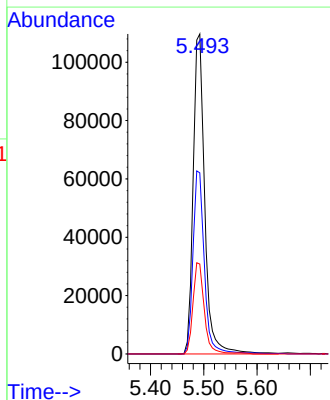
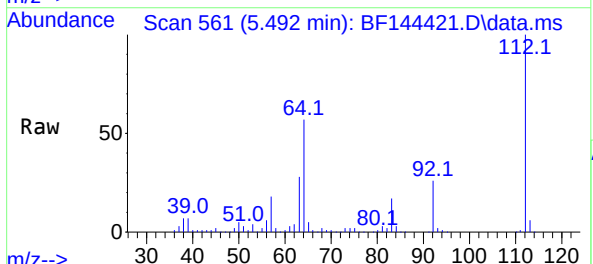
Instrument :
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B50-SP9-112425

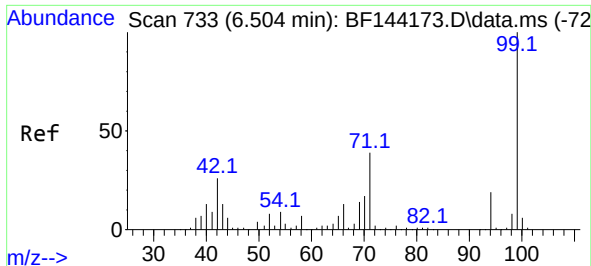
Tgt Ion:152 Resp: 45091
Ion Ratio Lower Upper
152 100
150 162.6 127.4 191.0
115 59.9 49.5 74.3



#5
2-Fluorophenol
Concen: 57.459 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06

Tgt Ion:112 Resp: 165564
Ion Ratio Lower Upper
112 100
64 56.6 47.2 70.8
63 28.1 24.4 36.6

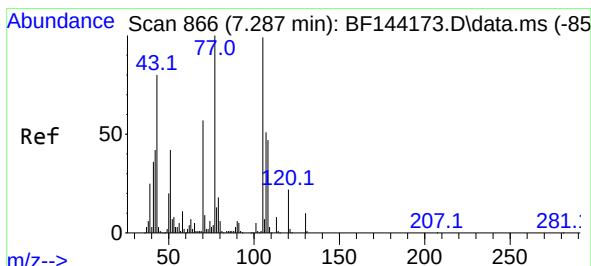
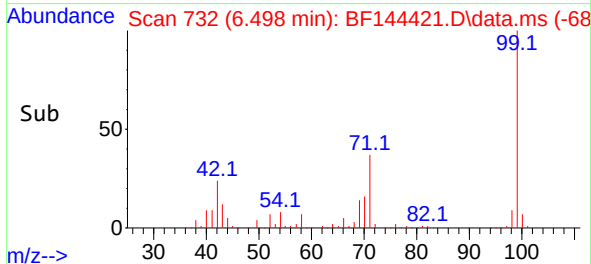
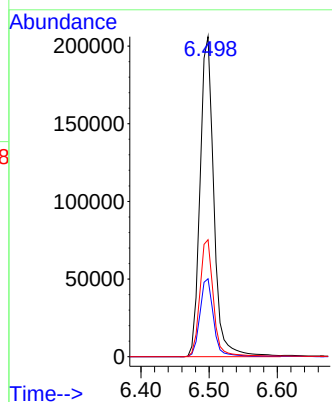
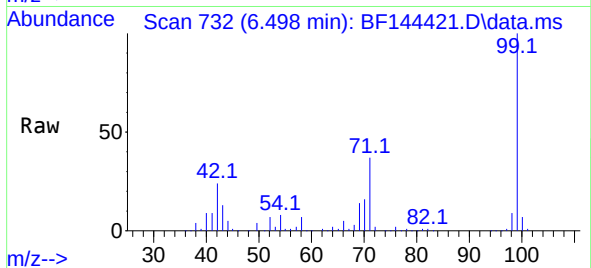




#7
Phenol-d6
Concen: 88.904 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06

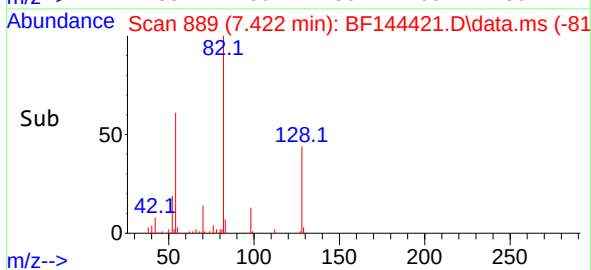
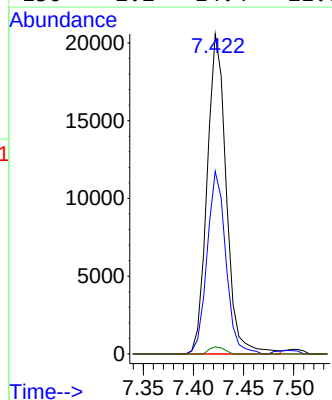
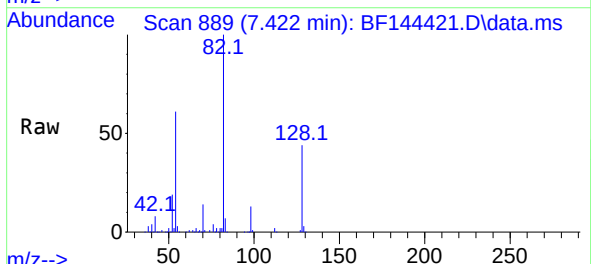
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ClientSampleId :
B50-SP9-112425

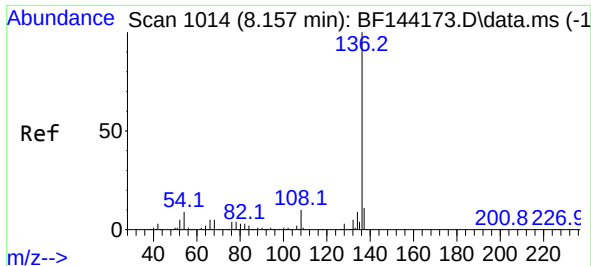
Tgt Ion: 99 Resp: 290264
Ion Ratio Lower Upper
99 100
42 24.3 20.9 31.3
71 36.5 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.757 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06

Tgt Ion: 70 Resp: 27419
Ion Ratio Lower Upper
70 100
42 57.1 58.3 87.5#
101 0.0 7.0 10.6#
130 2.2 14.4 21.6#



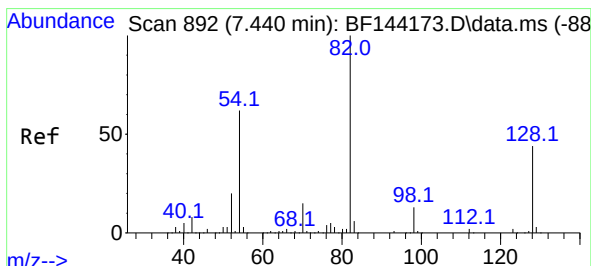
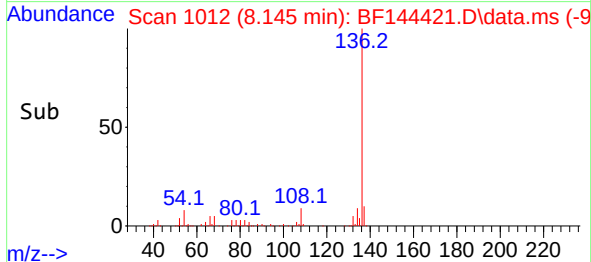
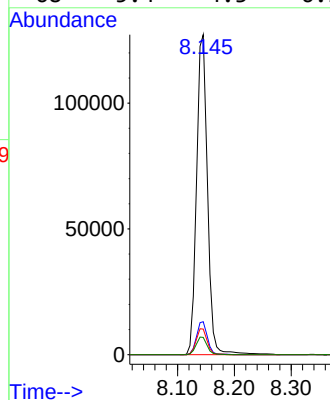
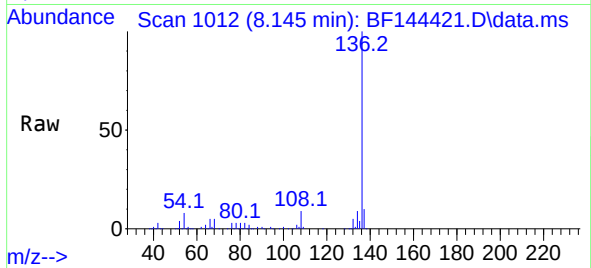


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06

Instrument :
BNA_F
ClientSampleId :
B50-SP9-112425

Tgt Ion:136 Resp: 171081

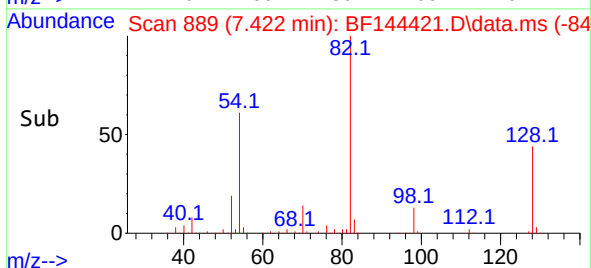
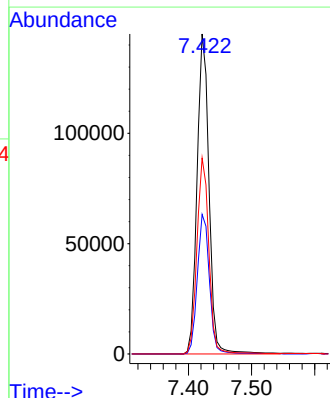
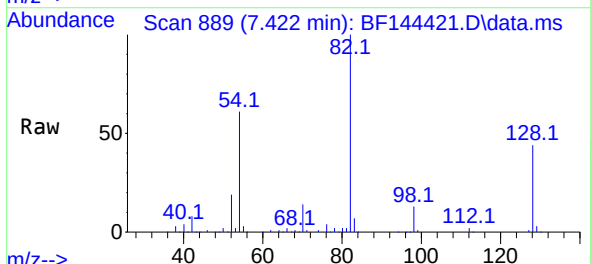
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.6	13.0
54	8.0	7.0	10.6
68	5.4	4.3	6.5

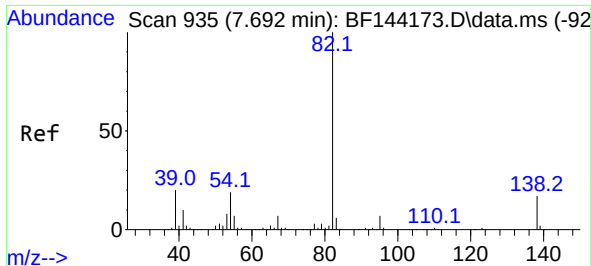


#23
Nitrobenzene-d5
Concen: 64.203 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06

Tgt Ion: 82 Resp: 190182

Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.7	52.1
54	61.2	49.5	74.3

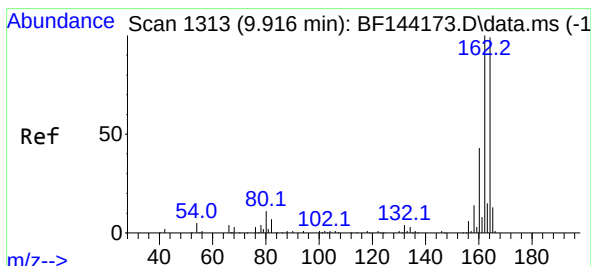
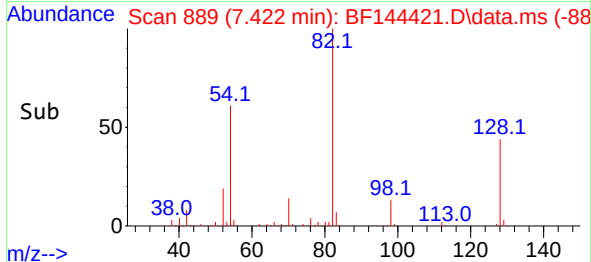
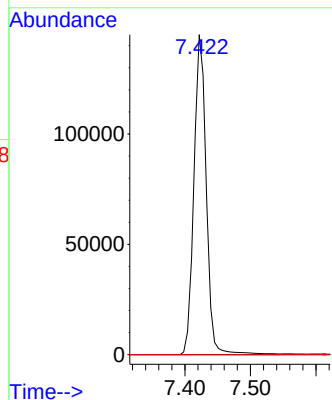
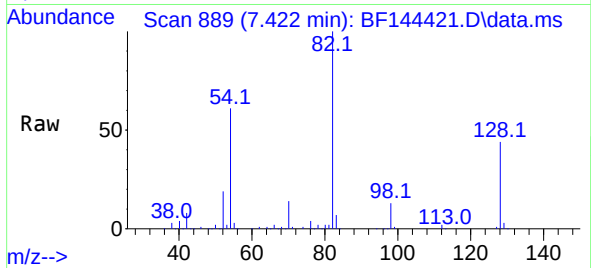




#25
Isophorone
Concen: 33.946 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06

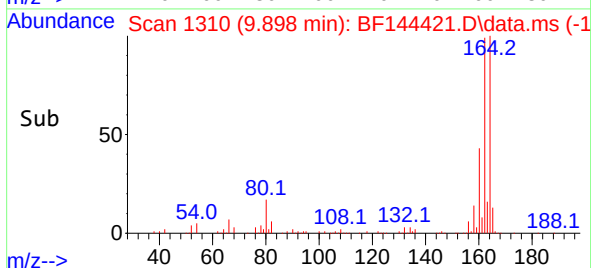
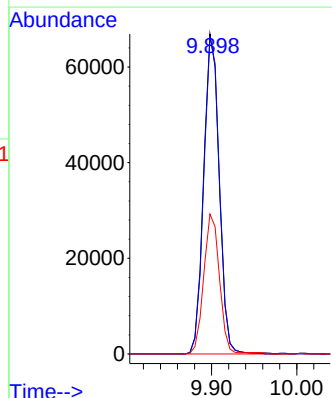
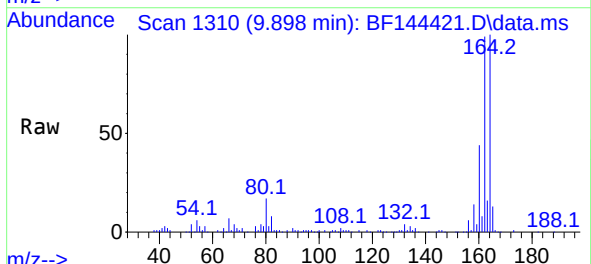
Instrument :
BNA_F
ClientSampleId :
B50-SP9-112425

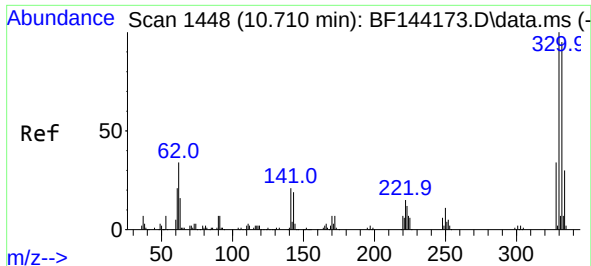
Tgt Ion: 82 Resp: 190201
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06

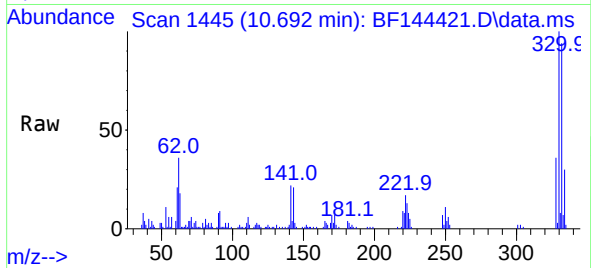
Tgt Ion: 164 Resp: 84880
Ion Ratio Lower Upper
164 100
162 99.2 81.1 121.7
160 43.7 34.5 51.7



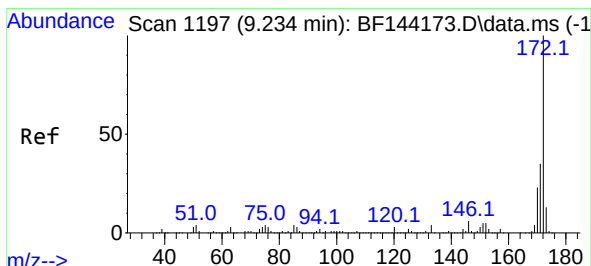
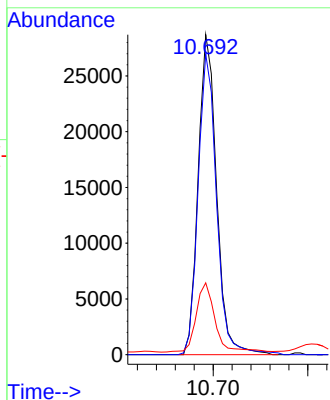
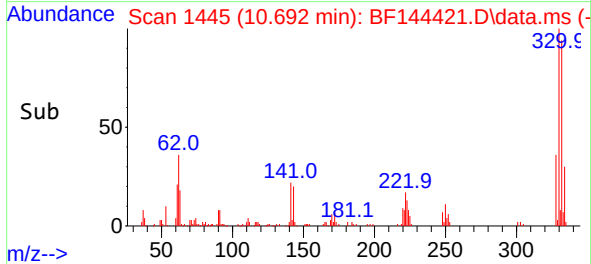


#42
2,4,6-Tribromophenol
Concen: 36.357 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06

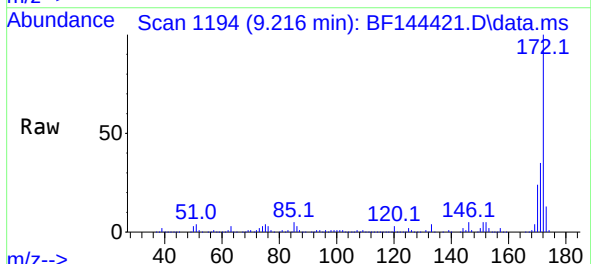
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ClientSampleId :
B50-SP9-112425



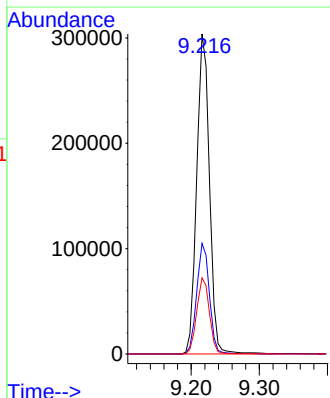
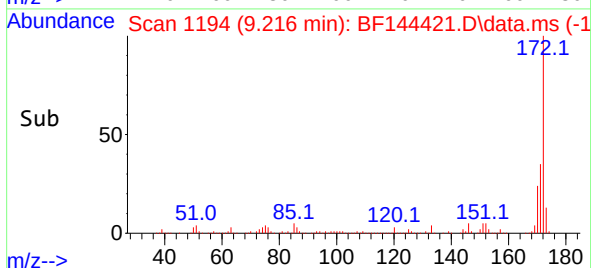
Tgt Ion:330 Resp: 38726
Ion Ratio Lower Upper
330 100
332 94.4 76.7 115.1
141 22.2 17.8 26.8

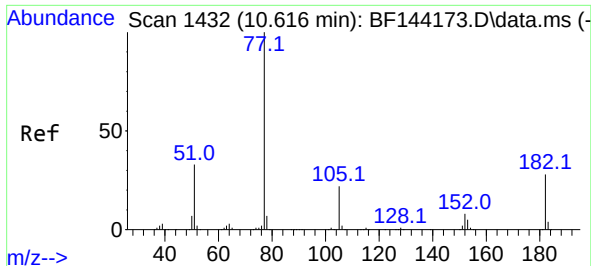


#45
2-Fluorobiphenyl
Concen: 68.445 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06



Tgt Ion:172 Resp: 393357
Ion Ratio Lower Upper
172 100
171 34.6 28.1 42.1
170 23.8 18.6 28.0

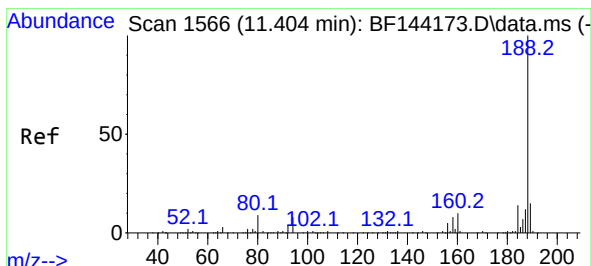
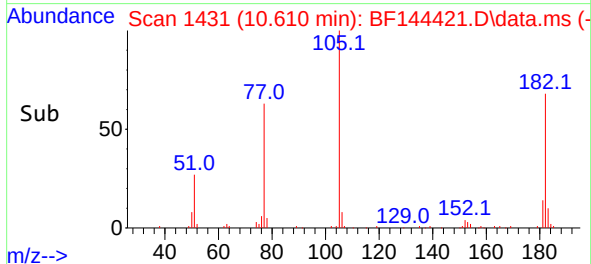
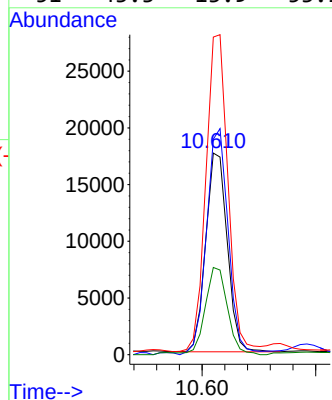
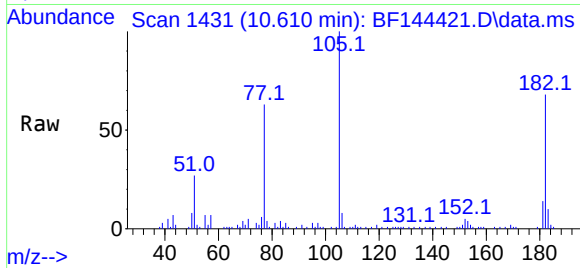




#63
Azobenzene
Concen: 4.779 ng
RT: 10.610 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06

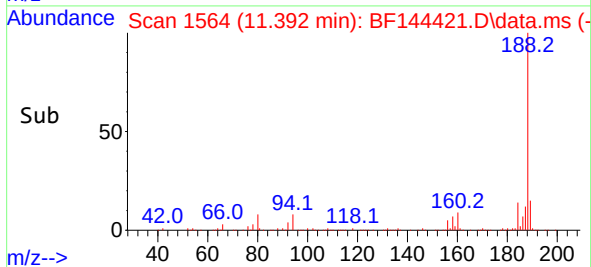
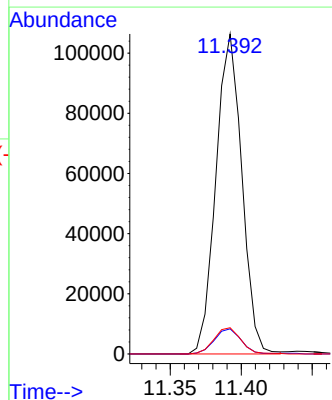
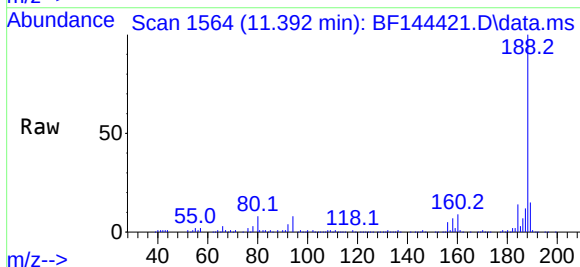
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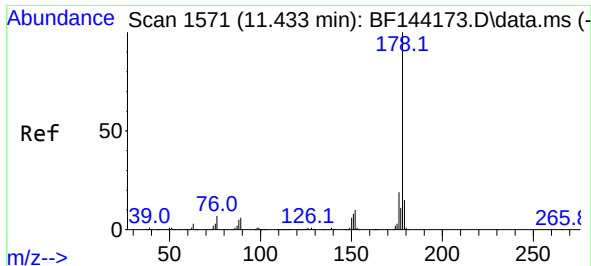
Tgt Ion: 77	Resp: 23056
Ion Ratio	Lower Upper
77 100	
182 106.9	8.1 48.1#
105 157.6	2.0 42.0#
51 43.3	13.9 53.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06

Tgt Ion: 188	Resp: 134914
Ion Ratio	Lower Upper
188 100	
94 7.9	6.2 9.2
80 8.2	6.9 10.3

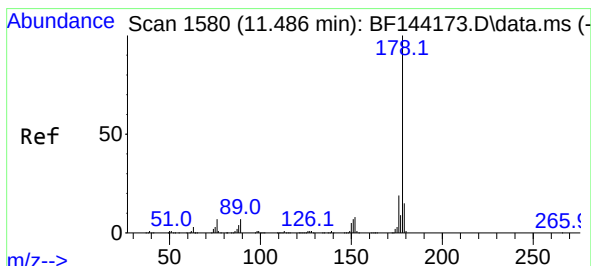
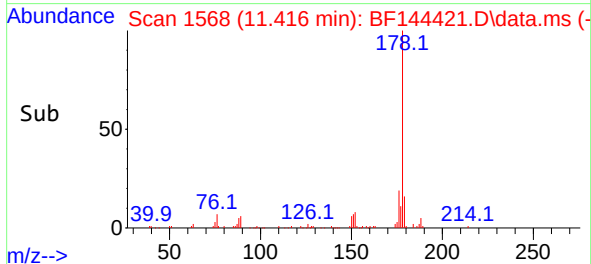
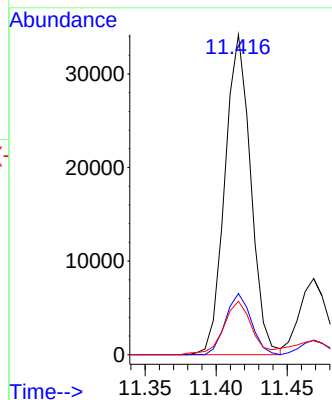
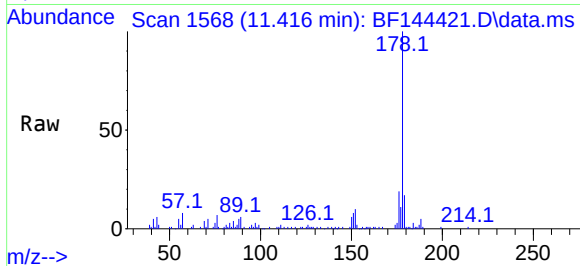




#71
Phenanthrene
Concen: 6.441 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06

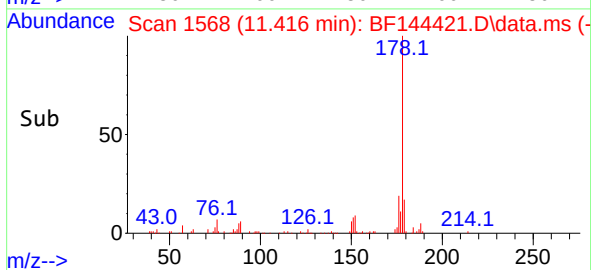
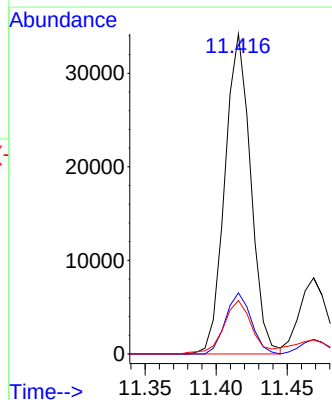
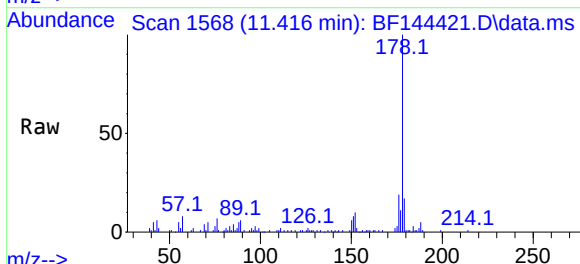
Instrument :
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B50-SP9-112425

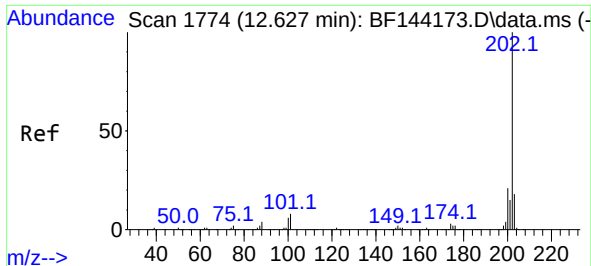
Tgt Ion:178 Resp: 43263
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 16.7 12.2 18.4



#72
Anthracene
Concen: 6.334 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.065 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06

Tgt Ion:178 Resp: 43263
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 16.7 12.0 18.0



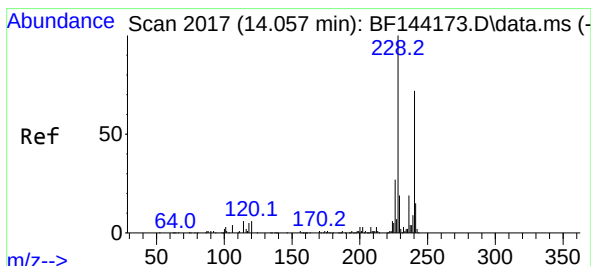
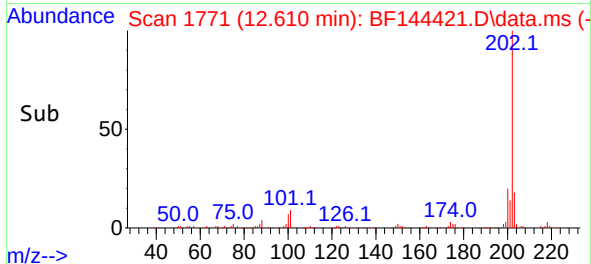
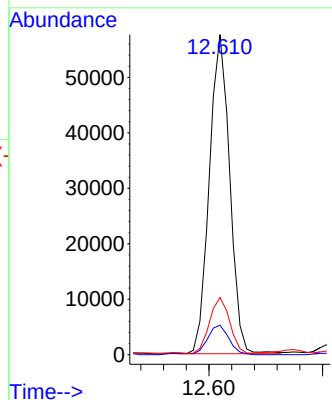
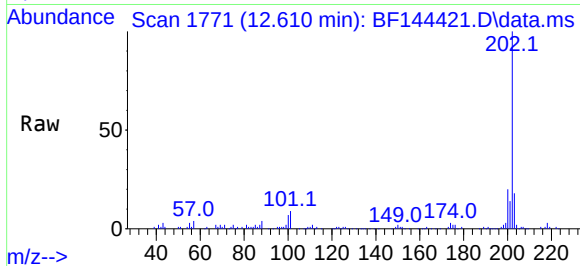


#75
Fluoranthene
Concen: 10.321 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06

Instrument :
BNA_F
ClientSampleId :
B50-SP9-112425

Tgt Ion:202 Resp: 71614

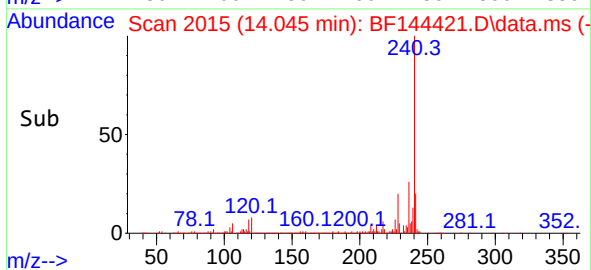
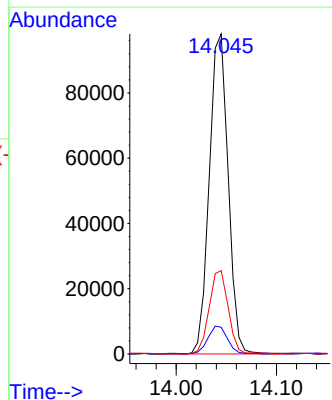
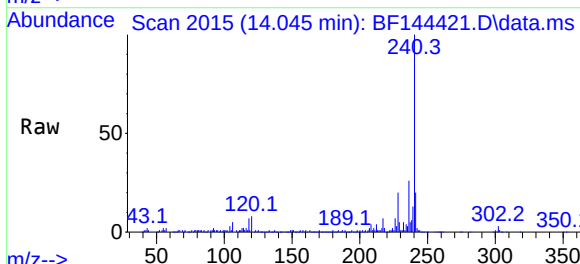
Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	27.9
203	17.9	0.0	37.5

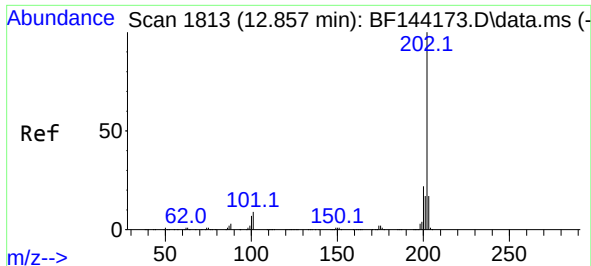


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06

Tgt Ion:240 Resp: 128244

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.6	10.0
236	26.0	21.4	32.2

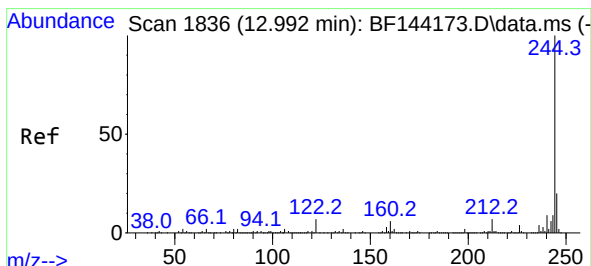
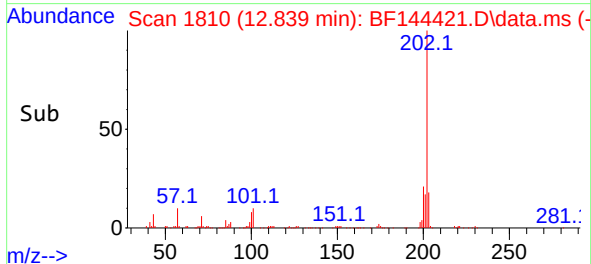
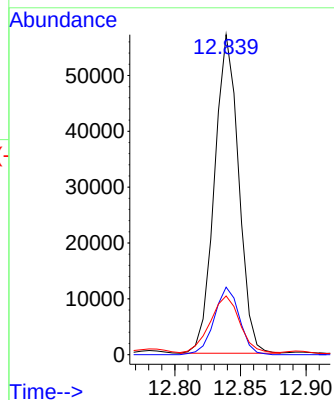
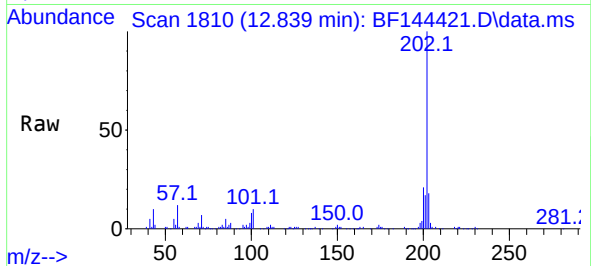




#78
Pyrene
Concen: 7.080 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06

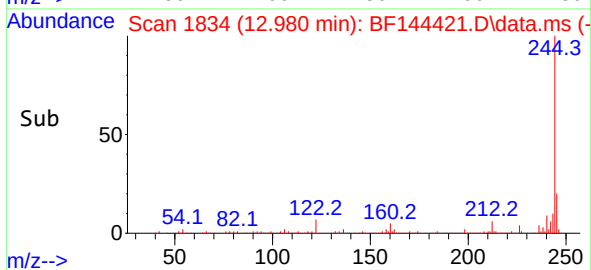
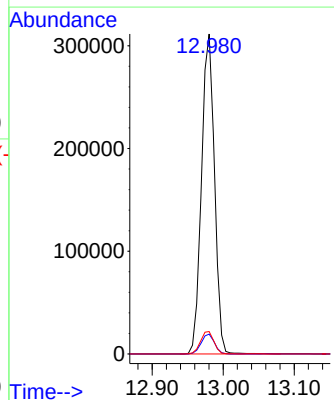
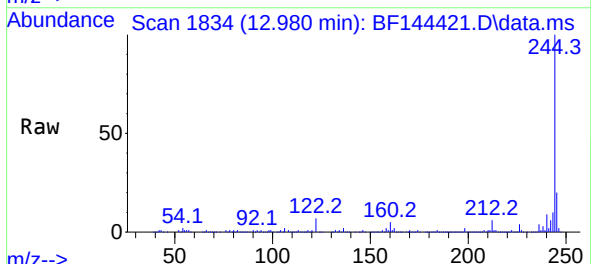
Instrument :
BNA_F
ClientSampleId :
B50-SP9-112425

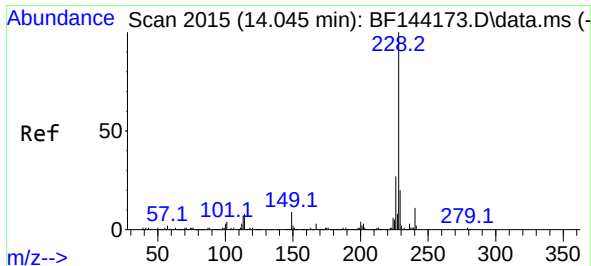
Tgt Ion:202	Resp:	73212
Ion Ratio	Lower	Upper
202	100	
200	21.1	17.2 25.8
203	18.4	13.7 20.5



#79
Terphenyl-d14
Concen: 49.209 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06

Tgt Ion:244	Resp:	397302
Ion Ratio	Lower	Upper
244	100	
212	6.2	5.3 7.9
122	7.0	5.6 8.4

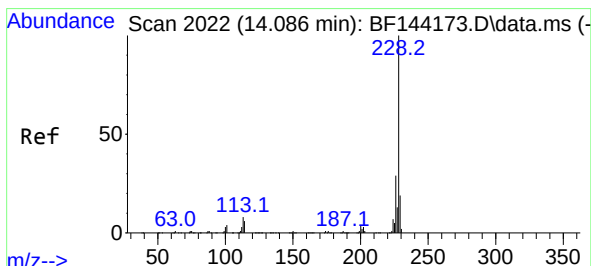
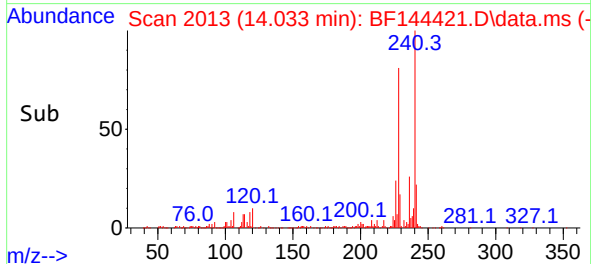
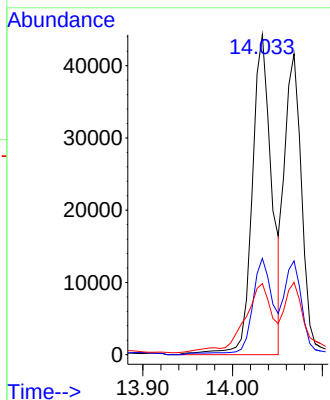
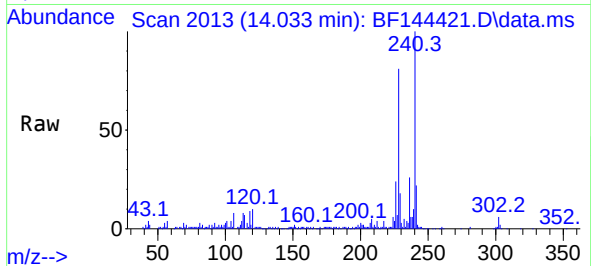




#81
Benzo(a)anthracene
Concen: 7.534 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.012 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06

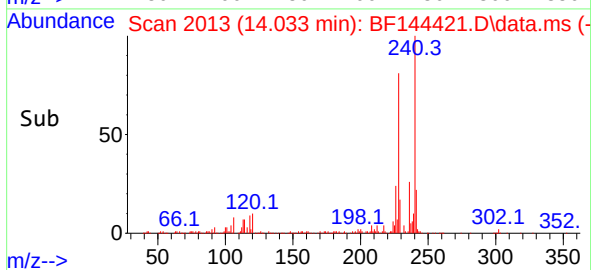
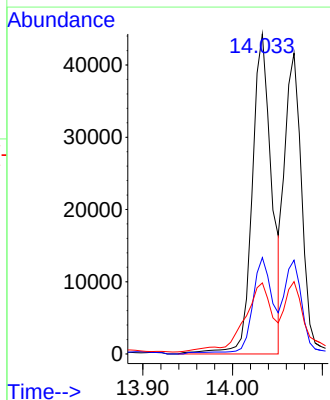
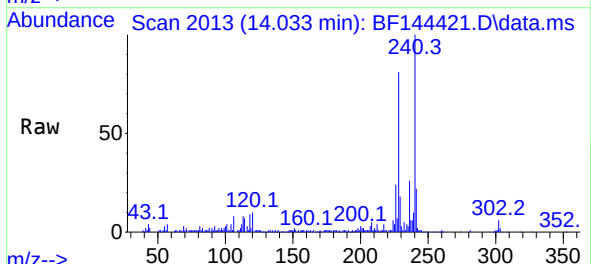
Instrument :
BNA_F
ClientSampleId :
B50-SP9-112425

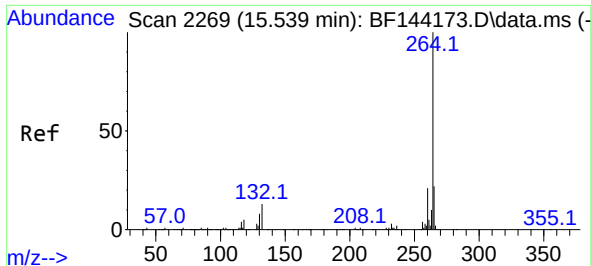
Tgt Ion:228 Resp: 66967
Ion Ratio Lower Upper
228 100
226 30.1 21.8 32.8
229 22.2 15.8 23.6



#83
Chrysene
Concen: 8.162 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.047 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06

Tgt Ion:228 Resp: 66967
Ion Ratio Lower Upper
228 100
226 30.1 22.9 34.3
229 22.2 15.0 22.6

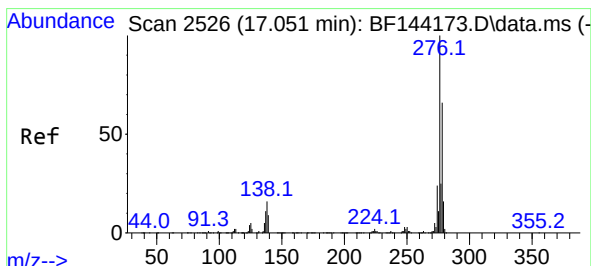
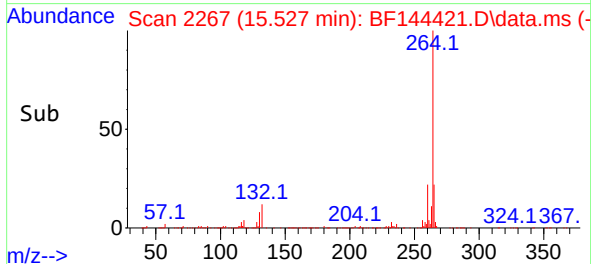
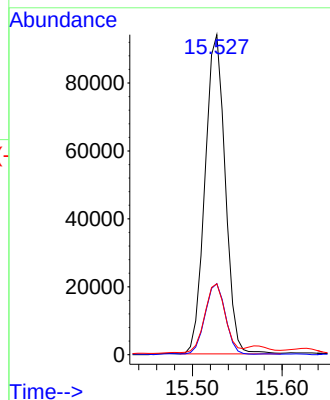
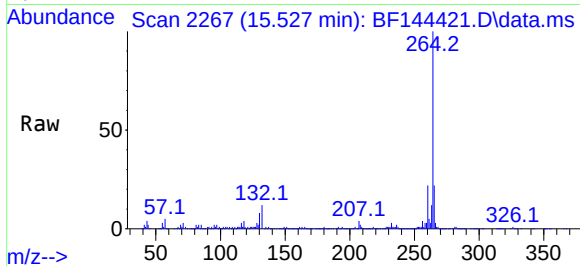




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06

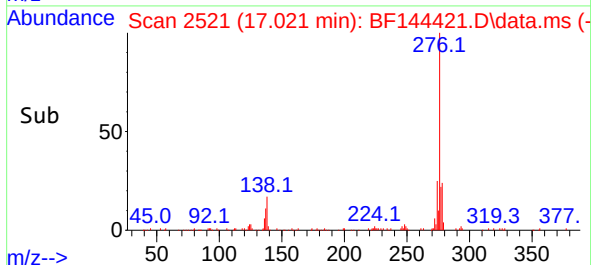
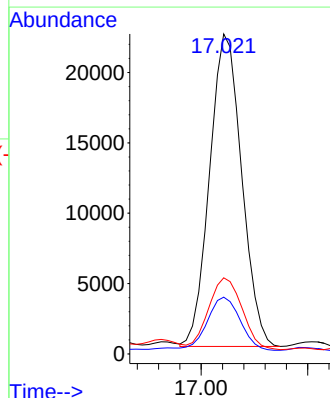
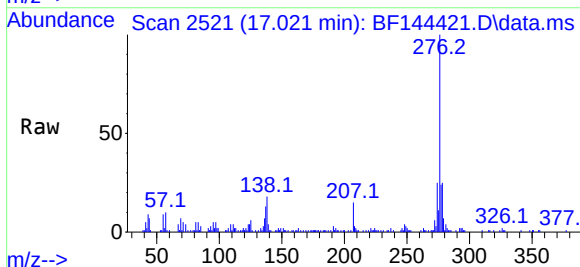
Instrument :
BNA_F
ClientSampleId :
B50-SP9-112425

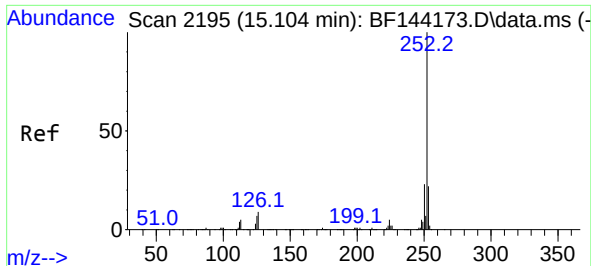
Tgt Ion:264 Resp: 147094
Ion Ratio Lower Upper
264 100
260 22.2 17.1 25.7
265 22.1 17.4 26.0



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.398 ng
RT: 17.021 min Scan# 2521
Delta R.T. -0.012 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06

Tgt Ion:276 Resp: 46436
Ion Ratio Lower Upper
276 100
138 18.0 13.9 20.9
277 24.2 19.8 29.6

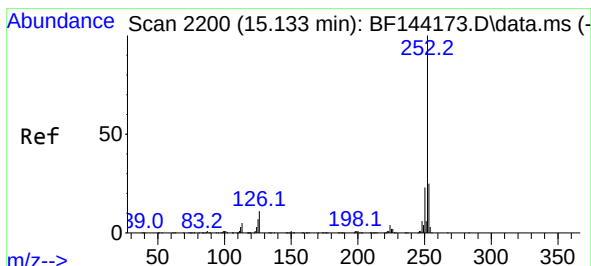
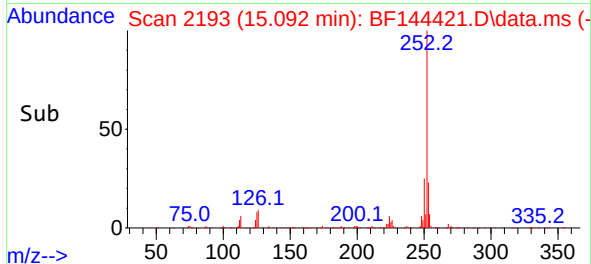
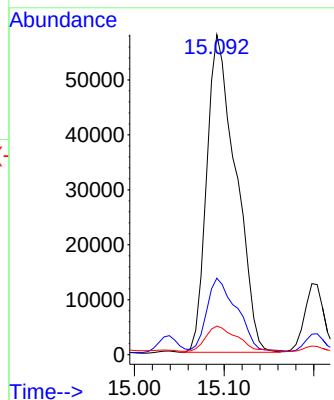
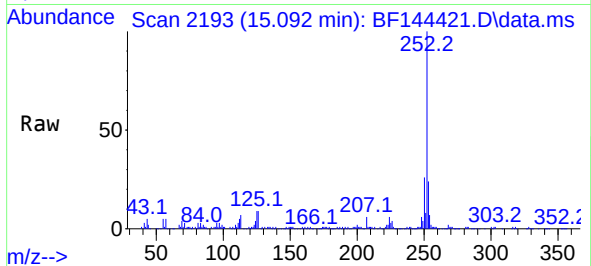




#88
Benzo(b)fluoranthene
Concen: 15.557 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06

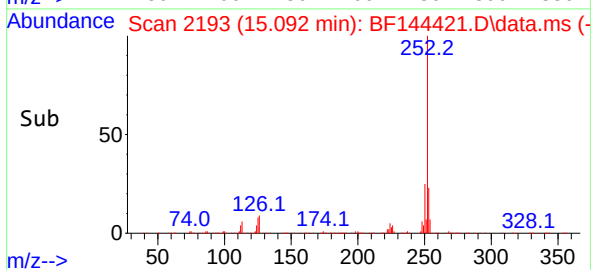
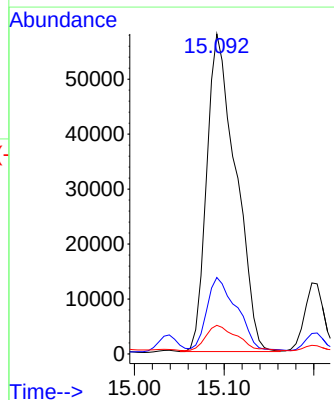
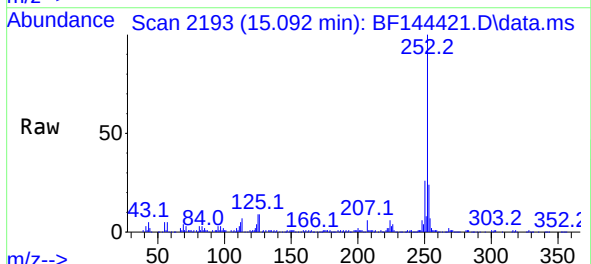
Instrument :
BNA_F
ClientSampleId :
B50-SP9-112425

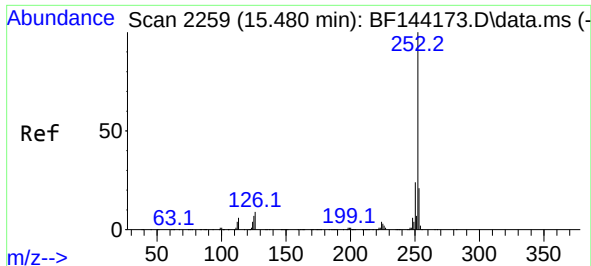
Tgt Ion:252 Resp: 130101
Ion Ratio Lower Upper
252 100
253 23.9 17.4 26.2
125 8.9 5.3 7.9#



#89
Benzo(k)fluoranthene
Concen: 16.621 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.035 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06

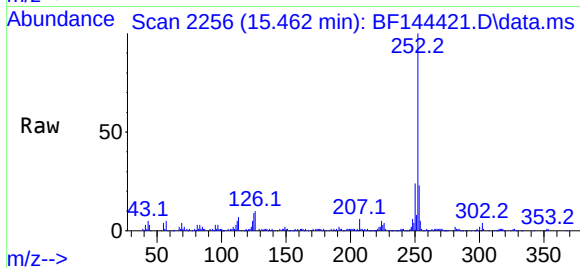
Tgt Ion:252 Resp: 130101
Ion Ratio Lower Upper
252 100
253 23.9 18.0 27.0
125 8.9 5.4 8.2#



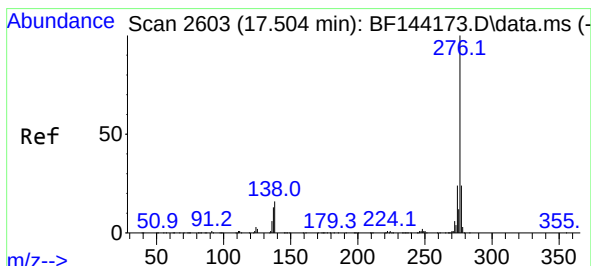
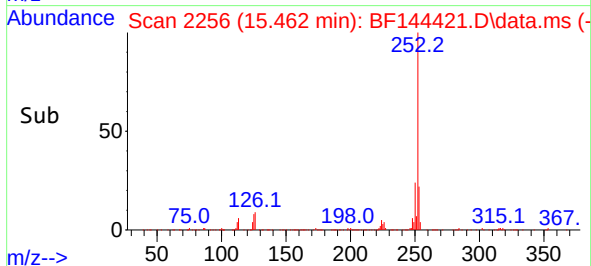
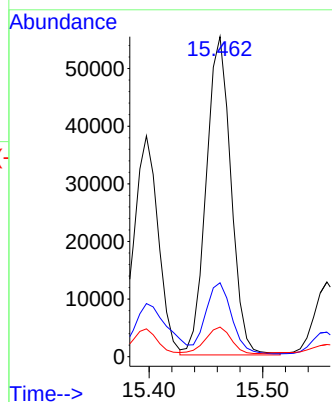


#90
Benzo(a)pyrene
Concen: 10.837 ng
RT: 15.462 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06

Instrument :
BNA_F
ClientSampleId :
B50-SP9-112425



Tgt Ion:252 Resp: 83609
Ion Ratio Lower Upper
252 100
253 23.1 16.7 25.1
125 9.3 5.7 8.5#



#92
Benzo(g,h,i)perylene
Concen: 5.642 ng
RT: 17.480 min Scan# 2599
Delta R.T. -0.012 min
Lab File: BF144421.D
Acq: 03 Dec 2025 16:06

Tgt Ion:276 Resp: 47247
Ion Ratio Lower Upper
276 100
277 23.9 19.0 28.4
138 16.7 12.9 19.3

