

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120325\
 Data File : BF144419.D
 Acq On : 03 Dec 2025 15:07
 Operator : RC/JU
 Sample : Q3741-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B50-SP3-111925

Quant Time: Dec 03 15:26:58 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)

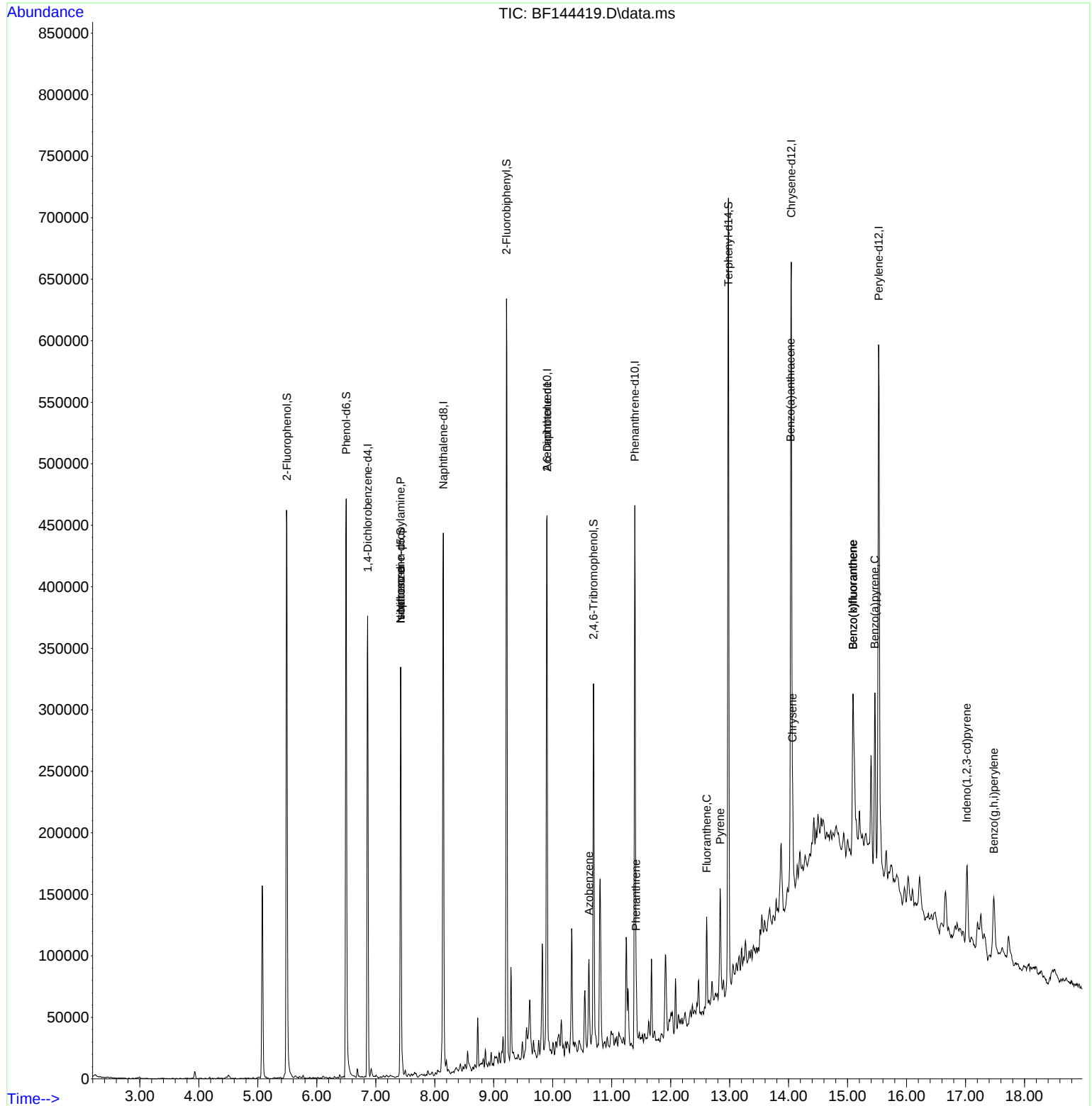
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	81142	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	286107	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	142110	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	237809	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	247413	20.000	ng	0.00
86) Perylene-d12	15.527	264	282719	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	203776	39.299	ng	0.00
7) Phenol-d6	6.498	99	226284	38.515	ng	0.00
23) Nitrobenzene-d5	7.422	82	139540	28.168	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	60972	34.190	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	298024	30.973	ng	-0.01
79) Terphenyl-d14	12.980	244	349952	22.467	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	20991	5.427	ng	# 78
25) Isophorone	7.422	82	139538	14.892	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	19801	10.390	ng	# 28
63) Azobenzene	10.616	77	17500	2.167	ng	# 1
71) Phenanthrene	11.416	178	23905	2.019	ng	96
75) Fluoranthene	12.610	202	42014	3.435	ng	97
78) Pyrene	12.839	202	44194	2.215	ng	96
81) Benzo(a)anthracene	14.033	228	50440	2.942	ng	# 93
83) Chrysene	14.069	228	42989	2.716	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.021	276	51542	2.540	ng	98
88) Benzo(b)fluoranthene	15.092	252	127442	7.929	ng	# 94
89) Benzo(k)fluoranthene	15.092	252	127442	8.471	ng	# 95
90) Benzo(a)pyrene	15.463	252	86242	5.816	ng	# 93
92) Benzo(g,h,i)perylene	17.480	276	49390	3.069	ng	98

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

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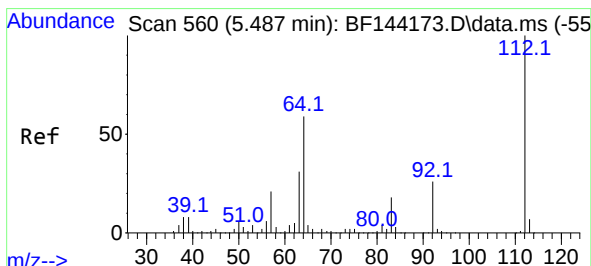
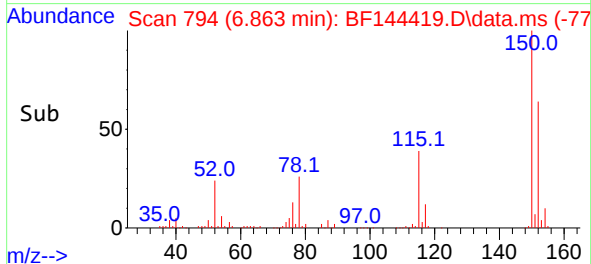
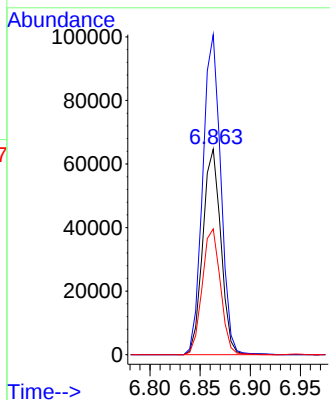
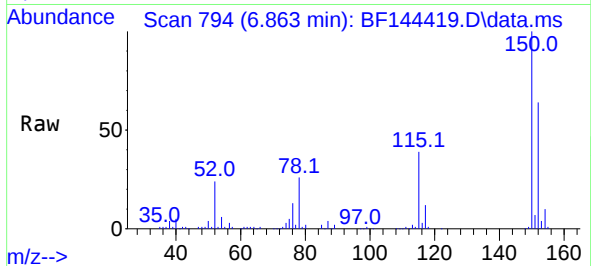




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

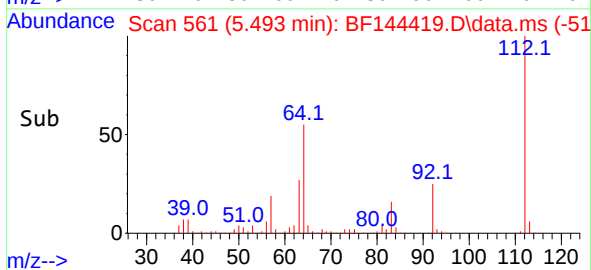
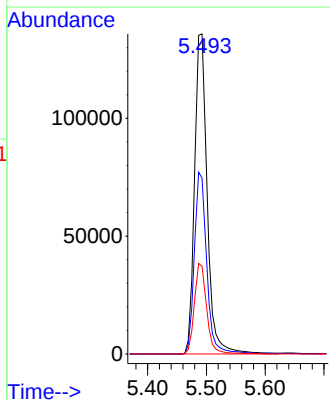
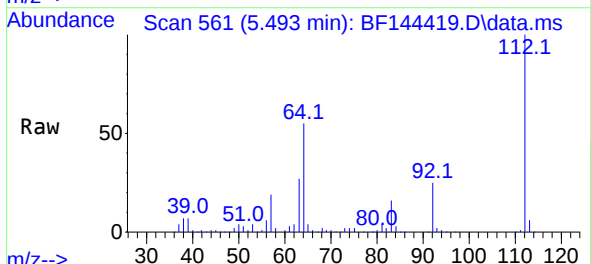
Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

Tgt Ion:152 Resp: 81142
Ion Ratio Lower Upper
152 100
150 155.6 127.4 191.0
115 61.2 49.5 74.3



#5
2-Fluorophenol
Concen: 39.299 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Tgt Ion:112 Resp: 203776
Ion Ratio Lower Upper
112 100
64 55.0 47.2 70.8
63 27.4 24.4 36.6

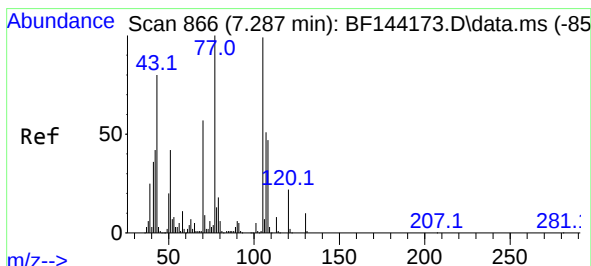
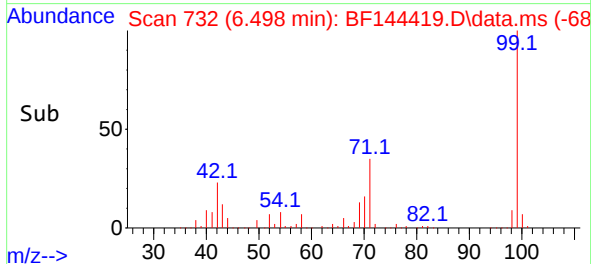
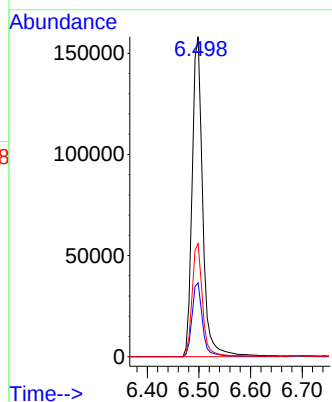
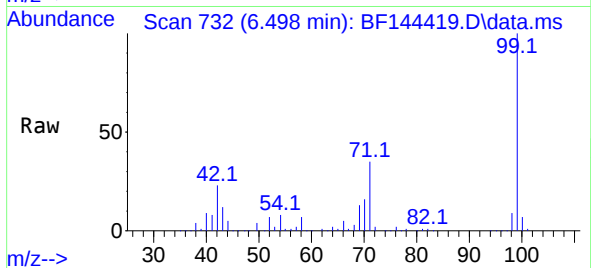




#7
Phenol-d6
Concen: 38.515 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

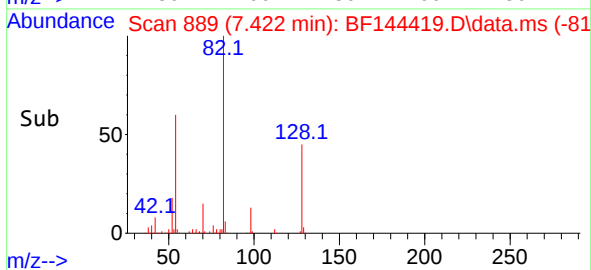
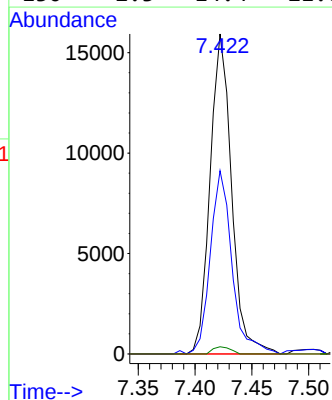
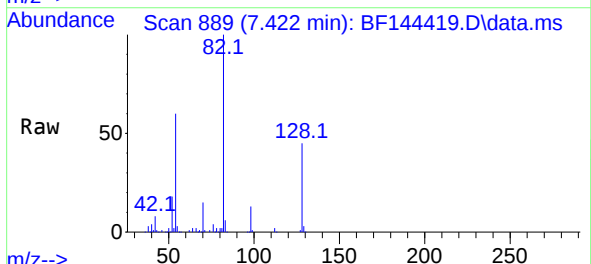
Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

Tgt Ion: 99 Resp: 226284
Ion Ratio Lower Upper
99 100
42 23.0 20.9 31.3
71 35.3 31.4 47.2



#19
n-Nitroso-di-n-propylamine
Concen: 5.427 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Tgt Ion: 70 Resp: 20991
Ion Ratio Lower Upper
70 100
42 57.3 58.3 87.5#
101 0.0 7.0 10.6#
130 2.3 14.4 21.6#



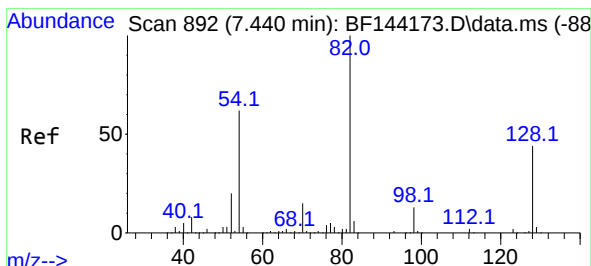
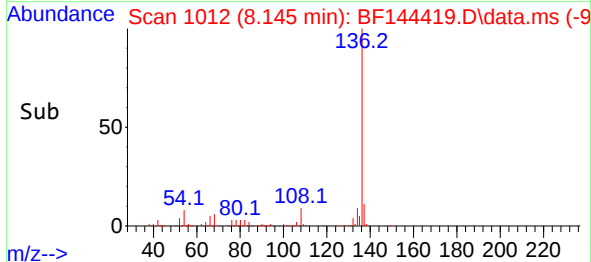
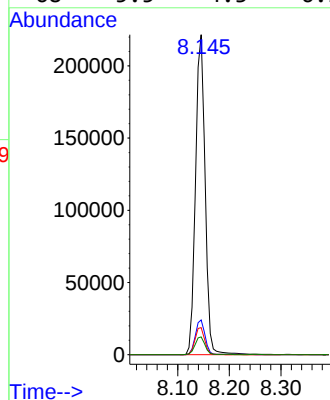
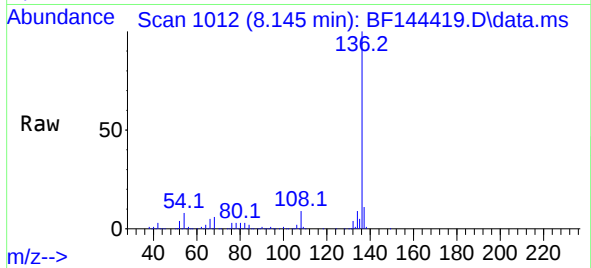


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 10
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

Tgt Ion:136 Resp: 286107

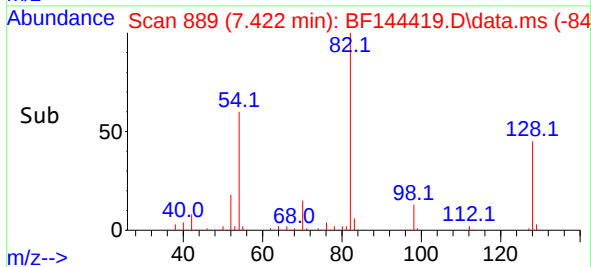
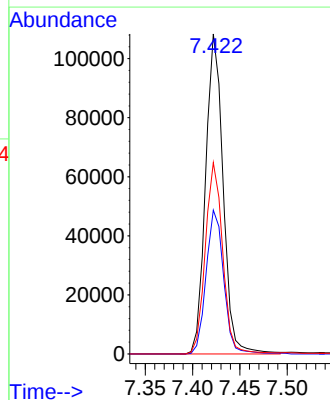
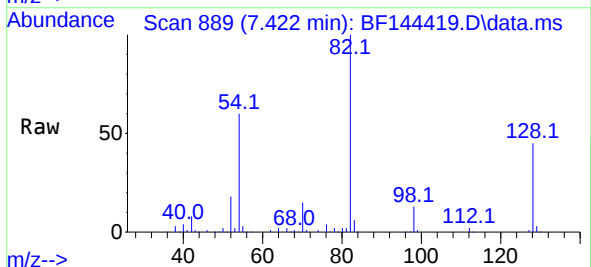
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.4	7.0	10.6
68	5.5	4.3	6.5

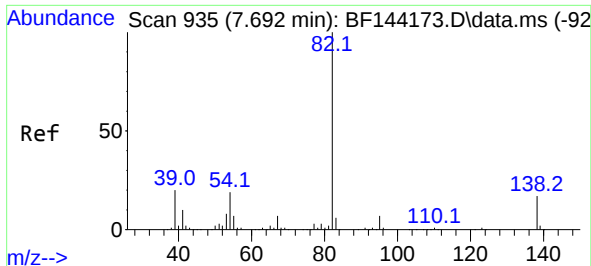


#23
Nitrobenzene-d5
Concen: 28.168 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Tgt Ion: 82 Resp: 139540

Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.7	52.1
54	59.8	49.5	74.3

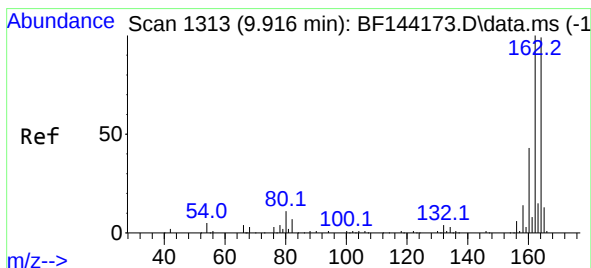
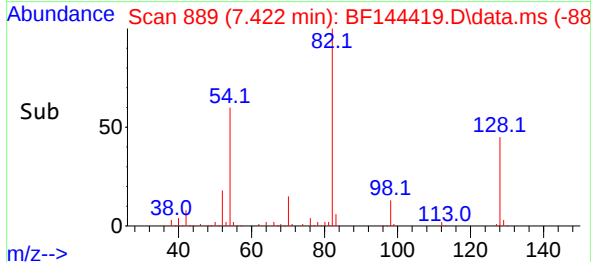
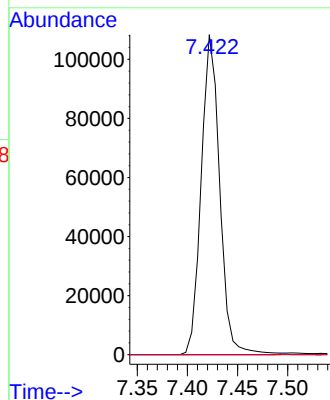
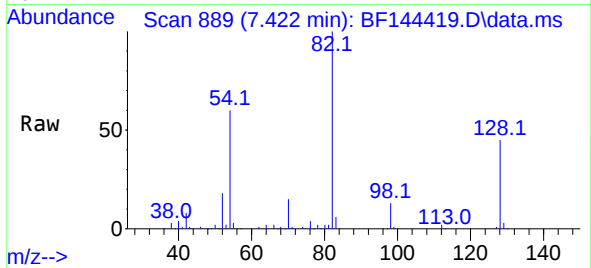




#25
Isophorone
Concen: 14.892 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

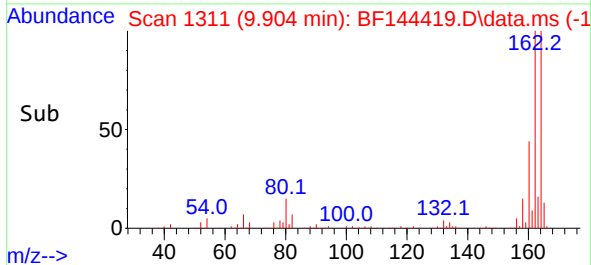
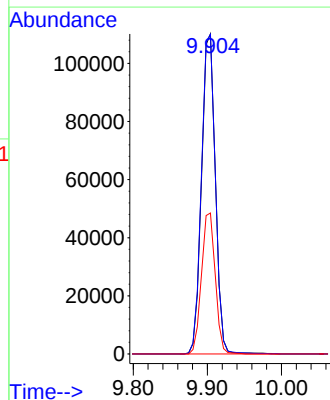
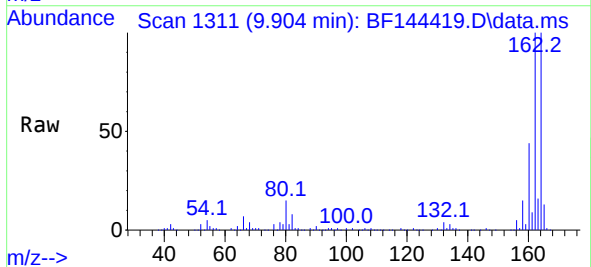
Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

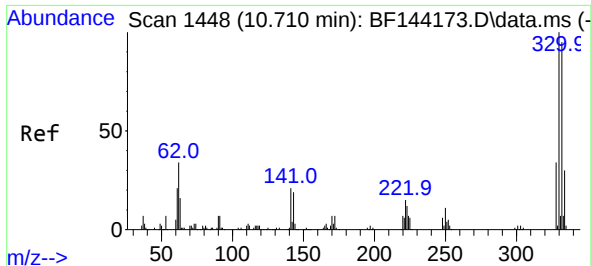
Tgt Ion: 82 Resp: 139538
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

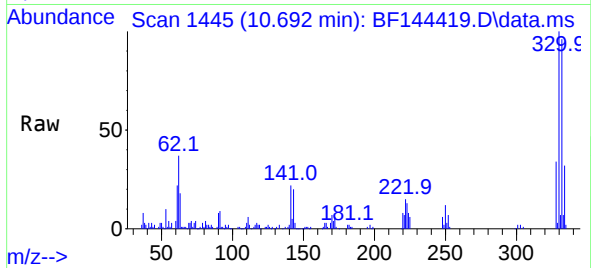
Tgt Ion:164 Resp: 142110
Ion Ratio Lower Upper
164 100
162 99.9 81.1 121.7
160 44.1 34.5 51.7



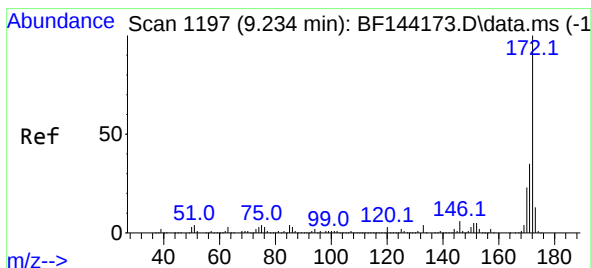
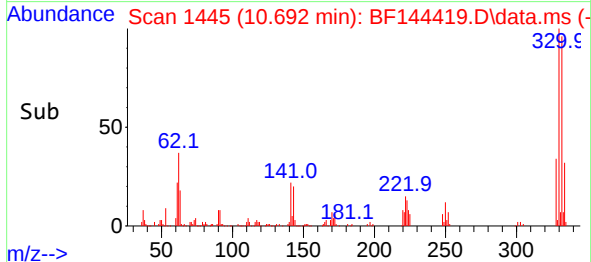
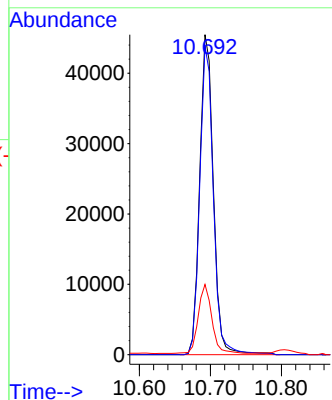


#42
2,4,6-Tribromophenol
Concen: 34.190 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

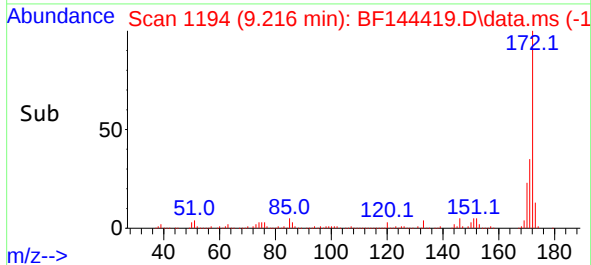
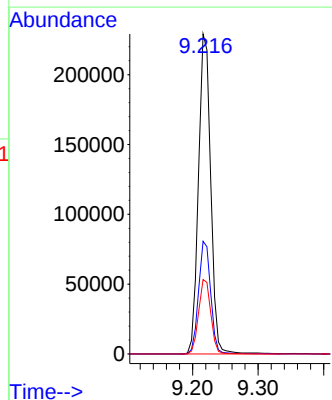
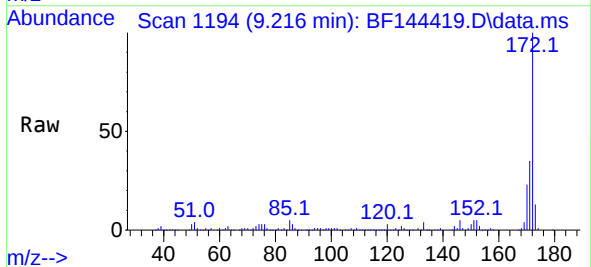


Tgt Ion:330 Resp: 60972
Ion Ratio Lower Upper
330 100
332 96.3 76.7 115.1
141 21.2 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 30.973 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

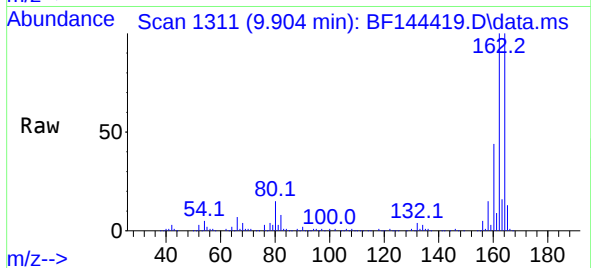
Tgt Ion:172 Resp: 298024
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 23.3 18.6 28.0



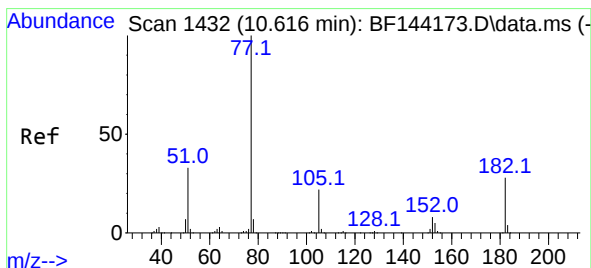
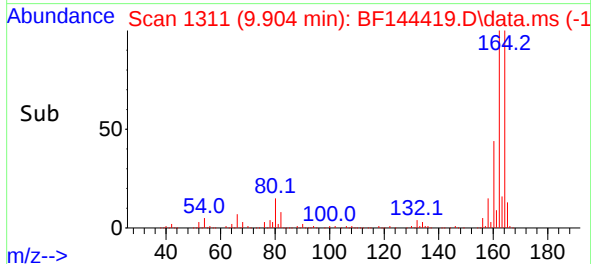
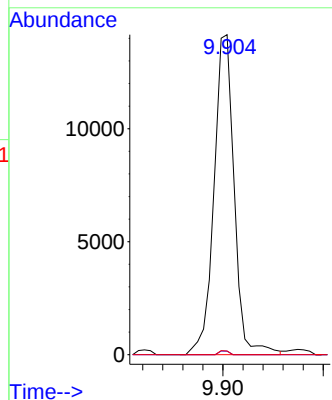


#51
2,6-Dinitrotoluene
Concen: 10.390 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

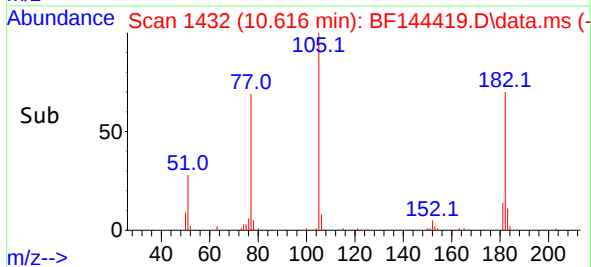
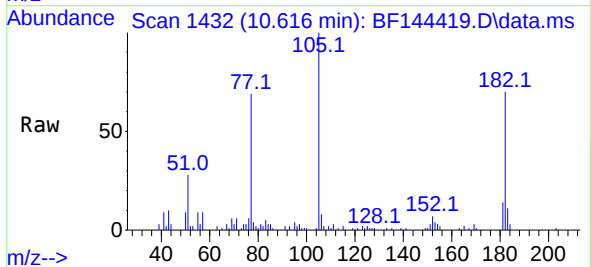
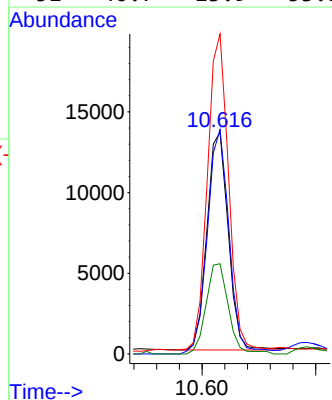


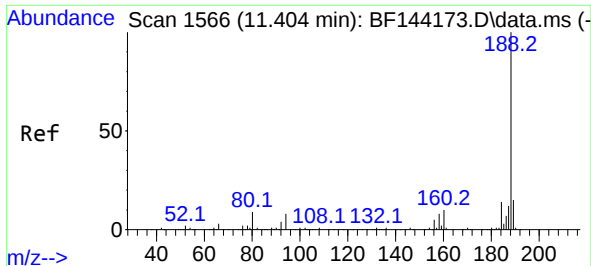
Tgt Ion:165 Resp: 19801
Ion Ratio Lower Upper
165 100
63 1.1 43.8 65.8#
89 1.2 37.5 56.3#



#63
Azobenzene
Concen: 2.167 ng
RT: 10.616 min Scan# 1432
Delta R.T. -0.000 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Tgt Ion: 77 Resp: 17500
Ion Ratio Lower Upper
77 100
182 101.3 8.1 48.1#
105 144.3 2.0 42.0#
51 40.7 13.9 53.9

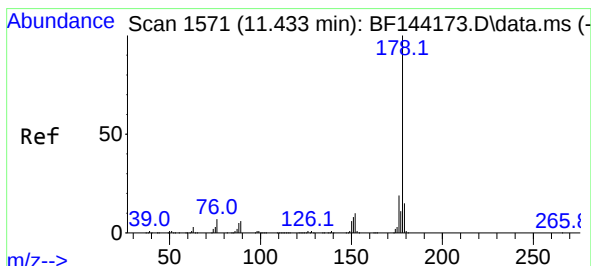
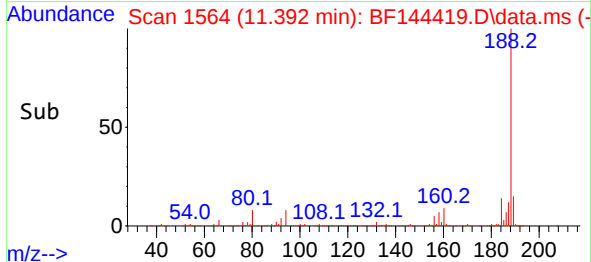
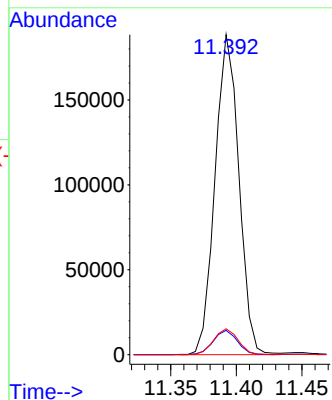
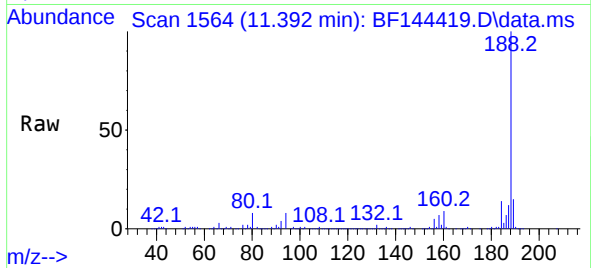




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

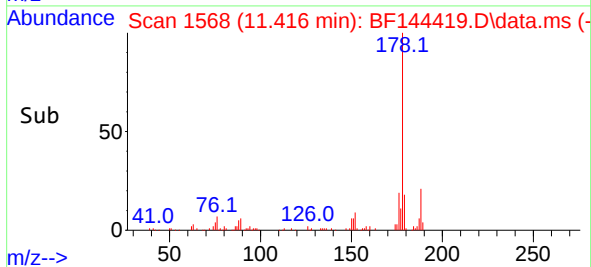
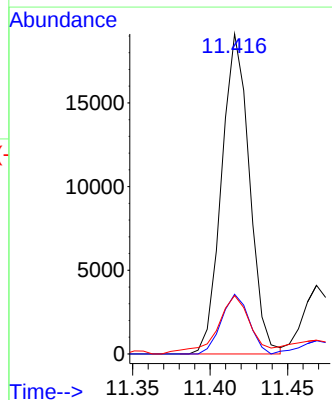
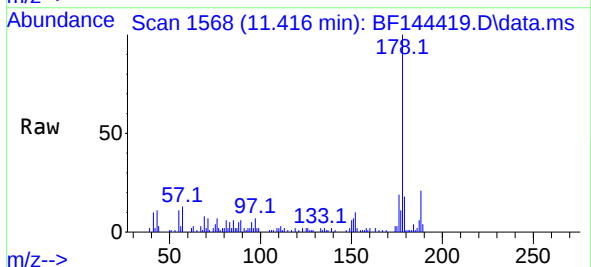
Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

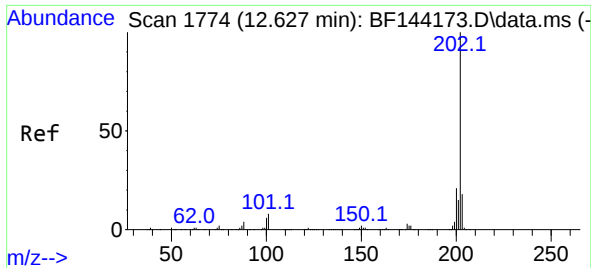
Tgt Ion:188 Resp: 237809
Ion Ratio Lower Upper
188 100
94 7.6 6.2 9.2
80 8.1 6.9 10.3



#71
Phenanthrene
Concen: 2.019 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Tgt Ion:178 Resp: 23905
Ion Ratio Lower Upper
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176 18.7 15.5 23.3
179 18.2 12.2 18.4

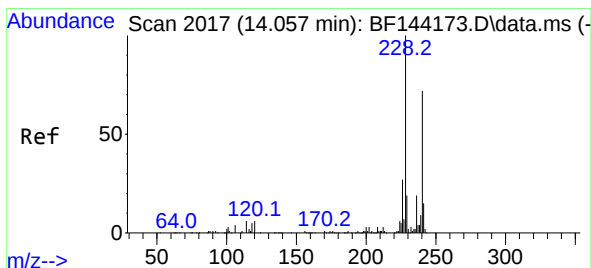
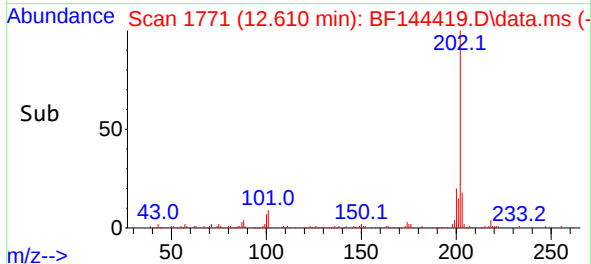
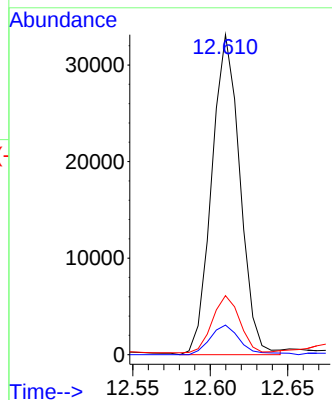
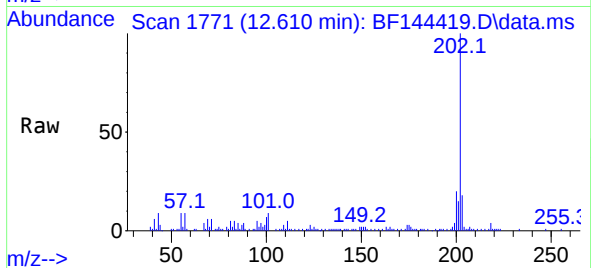




#75
Fluoranthene
Concen: 3.435 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

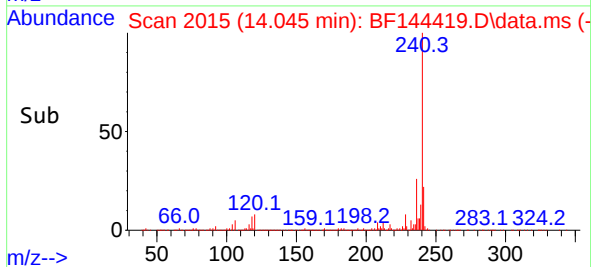
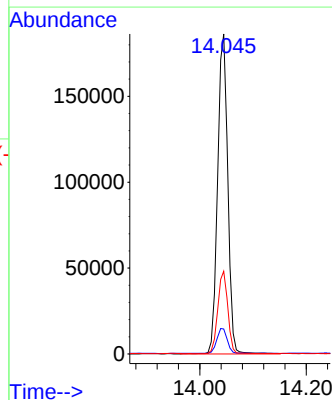
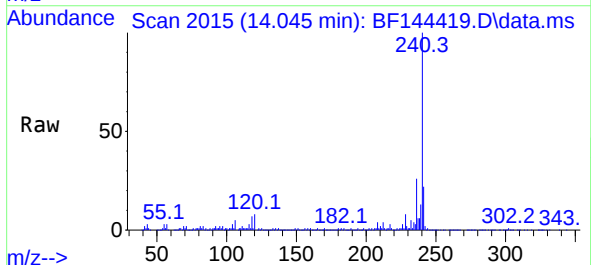
Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

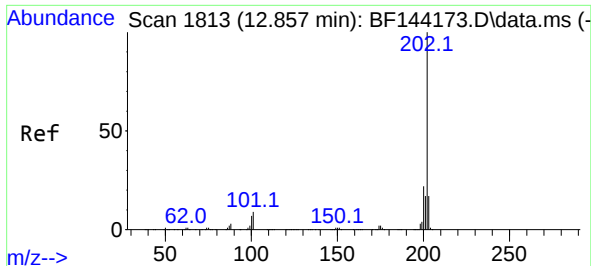
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	27.9
203	18.5	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Tgt Ion	Ratio	Lower	Upper
240	100		
120	7.8	6.6	10.0
236	25.8	21.4	32.2

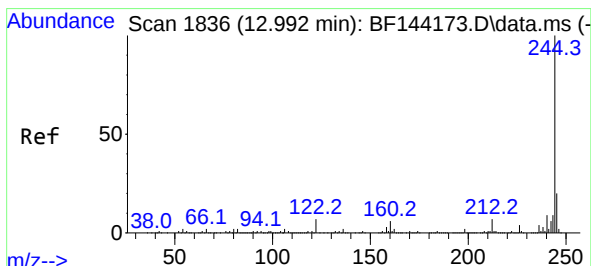
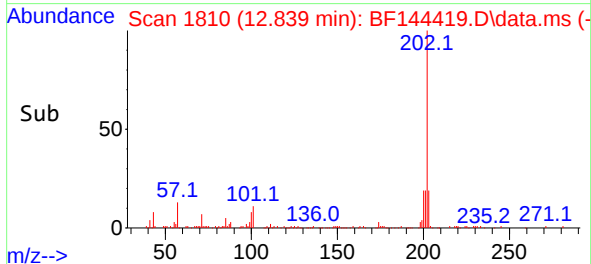
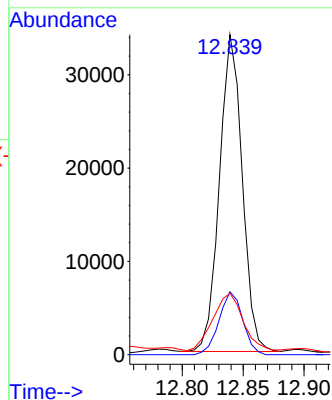
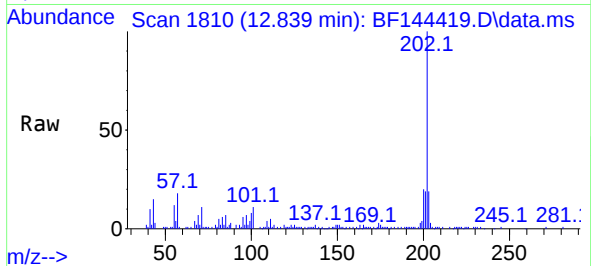




#78
 Pyrene
 Concen: 2.215 ng
 RT: 12.839 min Scan# 1810
 Delta R.T. -0.012 min
 Lab File: BF144419.D
 Acq: 03 Dec 2025 15:07

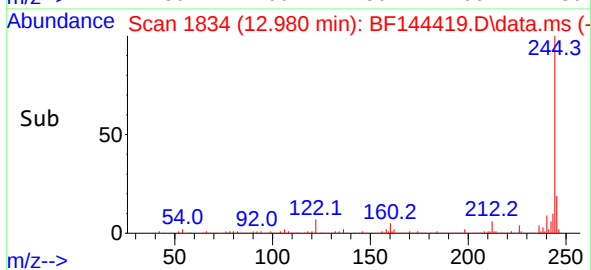
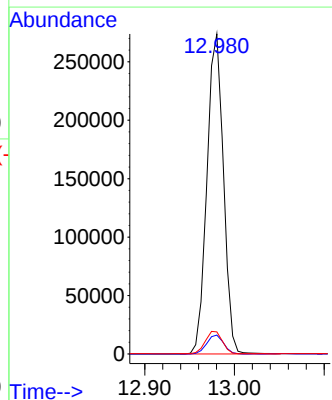
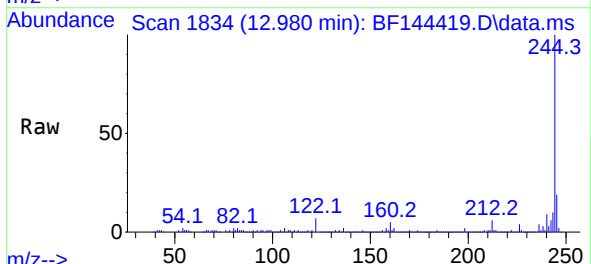
Instrument :
 BNA_F
 ClientSampleId :
 B50-SP3-111925

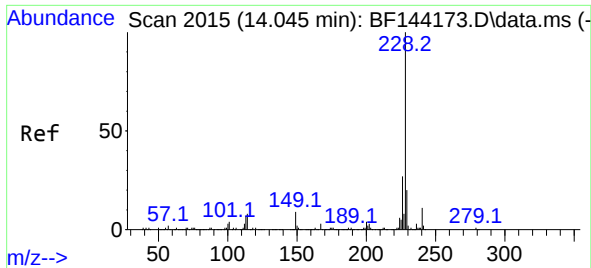
Tgt Ion:202	Resp:	44194
Ion Ratio	Lower	Upper
202	100	
200	19.7	17.2 25.8
203	19.2	13.7 20.5



#79
 Terphenyl-d14
 Concen: 22.467 ng
 RT: 12.980 min Scan# 1834
 Delta R.T. -0.012 min
 Lab File: BF144419.D
 Acq: 03 Dec 2025 15:07

Tgt Ion:244	Resp:	349952
Ion Ratio	Lower	Upper
244	100	
212	5.9	5.3 7.9
122	6.9	5.6 8.4

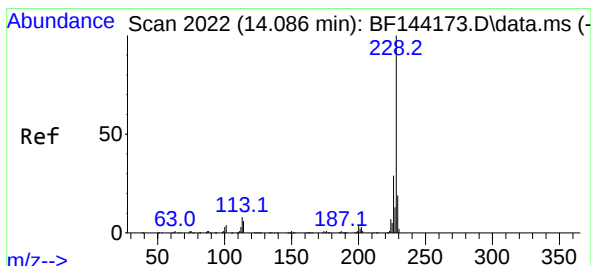
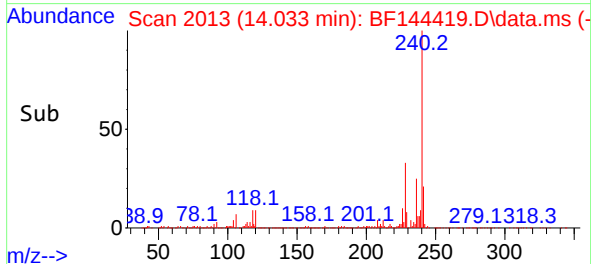
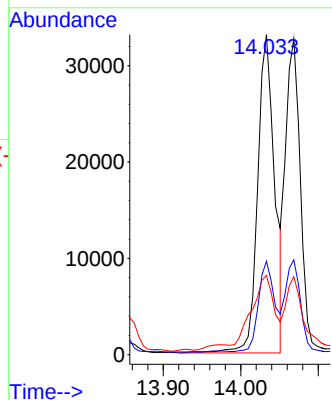
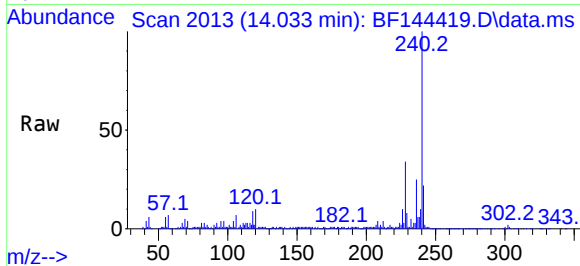




#81
Benzo(a)anthracene
Concen: 2.942 ng
RT: 14.033 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

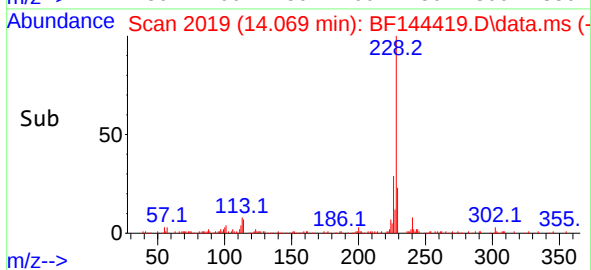
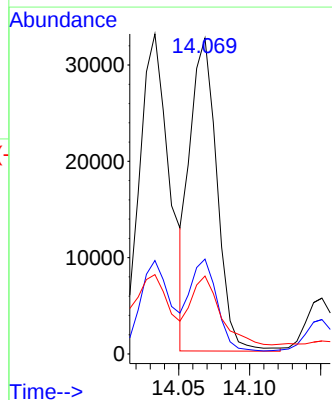
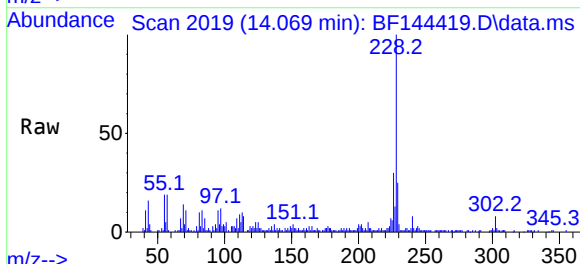
Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

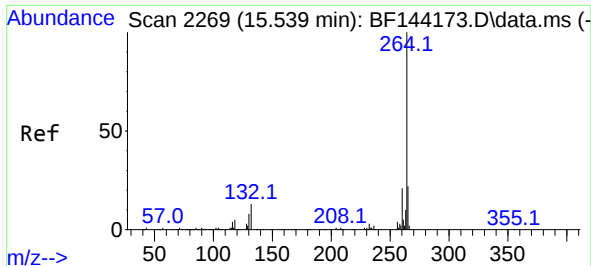
Tgt Ion:228 Resp: 50440
Ion Ratio Lower Upper
228 100
226 29.2 21.8 32.8
229 24.8 15.8 23.6#



#83
Chrysene
Concen: 2.716 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Tgt Ion:228 Resp: 42989
Ion Ratio Lower Upper
228 100
226 30.1 22.9 34.3
229 24.7 15.0 22.6#



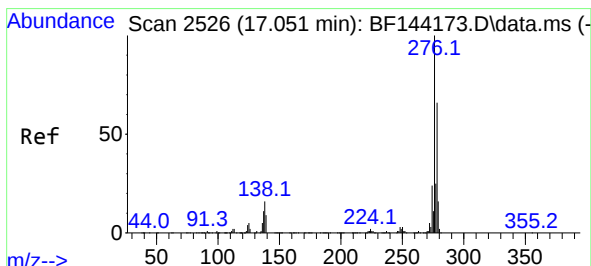
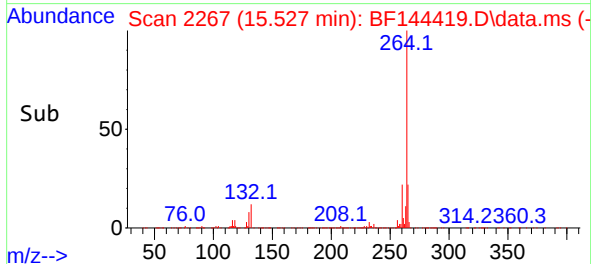
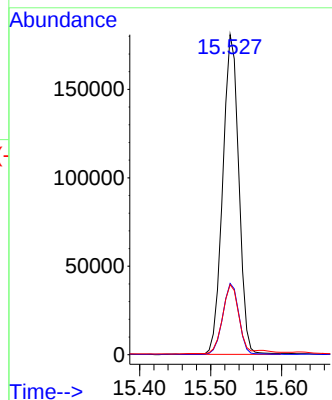
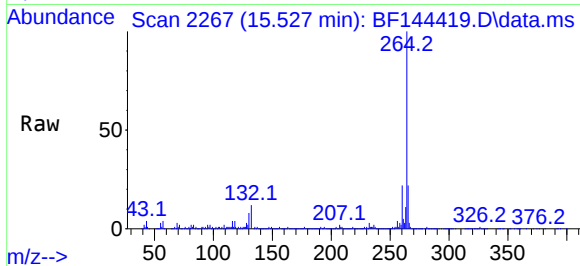


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

Tgt Ion:264 Resp: 282719

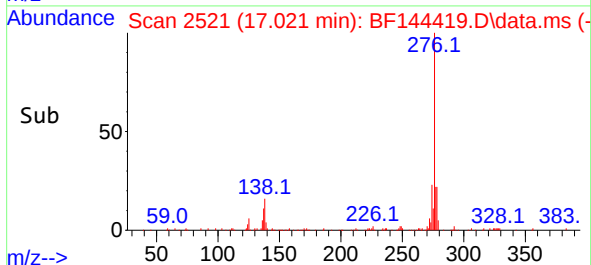
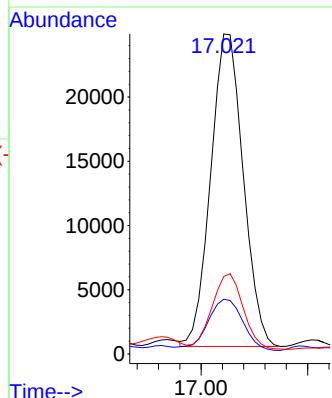
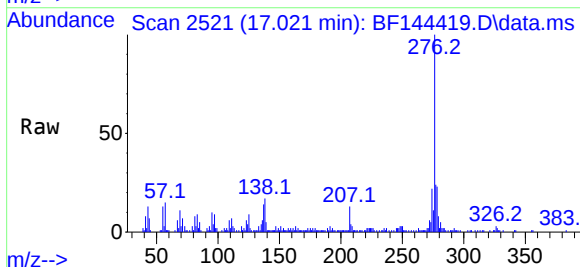
Ion	Ratio	Lower	Upper
264	100		
260	22.2	17.1	25.7
265	21.9	17.4	26.0

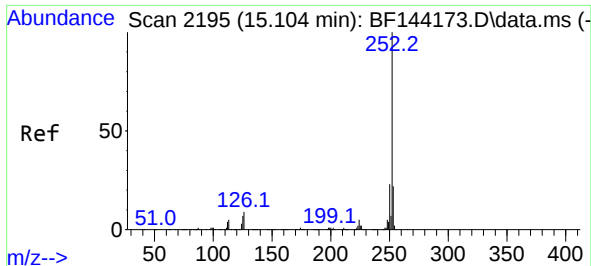


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.540 ng
RT: 17.021 min Scan# 2521
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Tgt Ion:276 Resp: 51542

Ion	Ratio	Lower	Upper
276	100		
138	17.8	13.9	20.9
277	23.3	19.8	29.6

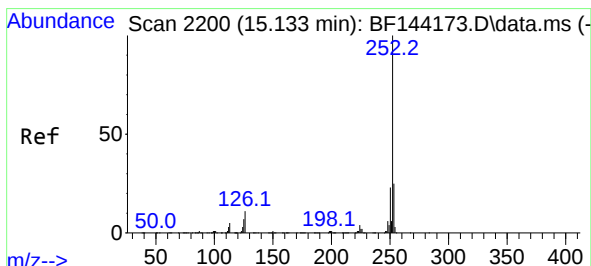
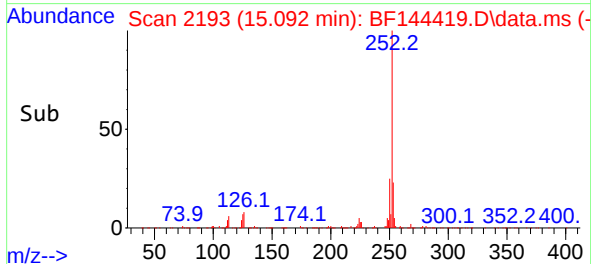
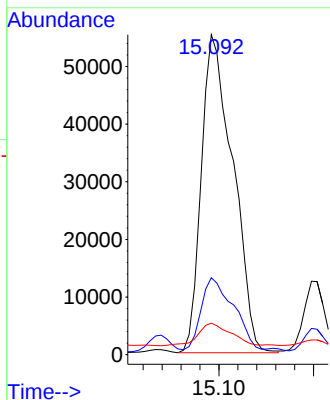
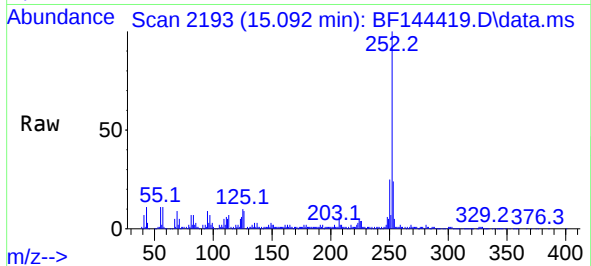




#88
Benzo(b)fluoranthene
Concen: 7.929 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

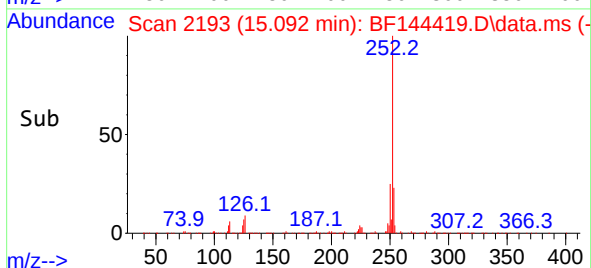
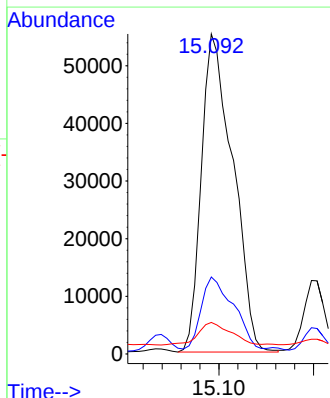
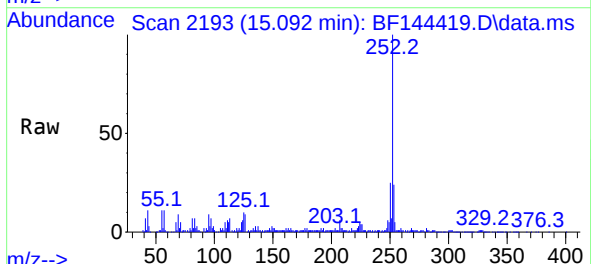
Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

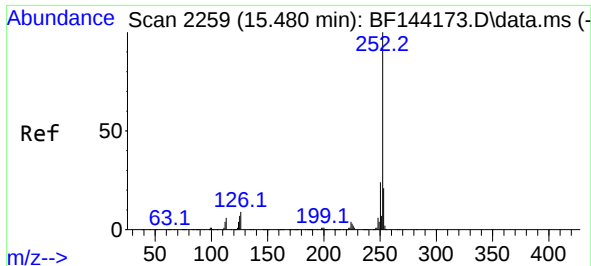
Tgt Ion:252 Resp: 127442
Ion Ratio Lower Upper
252 100
253 24.0 17.4 26.2
125 9.8 5.3 7.9#



#89
Benzo(k)fluoranthene
Concen: 8.471 ng
RT: 15.092 min Scan# 2193
Delta R.T. -0.035 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Tgt Ion:252 Resp: 127442
Ion Ratio Lower Upper
252 100
253 24.0 18.0 27.0
125 9.8 5.4 8.2#

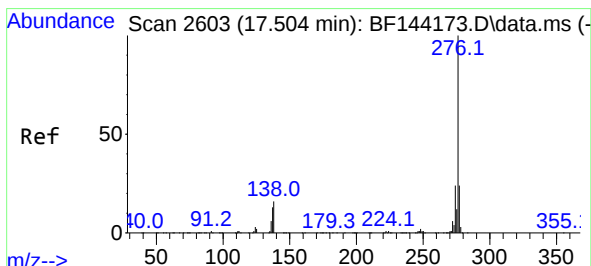
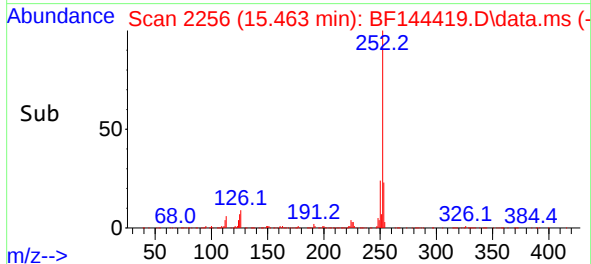
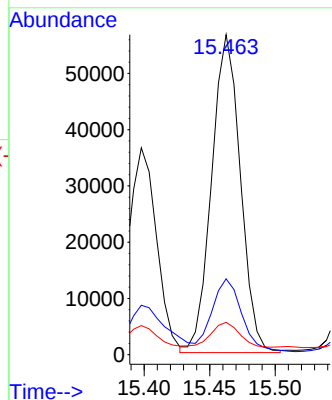
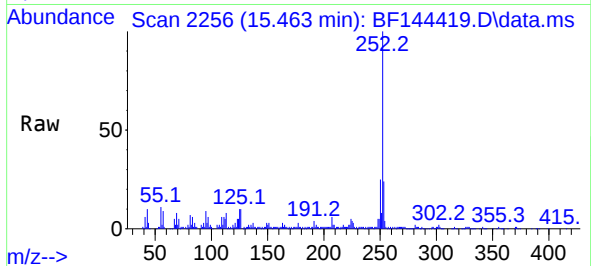




#90
Benzo(a)pyrene
Concen: 5.816 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Instrument :
BNA_F
ClientSampleId :
B50-SP3-111925

Tgt Ion:252 Resp: 86242
Ion Ratio Lower Upper
252 100
253 23.7 16.7 25.1
125 10.1 5.7 8.5#



#92
Benzo(g,h,i)perylene
Concen: 3.069 ng
RT: 17.480 min Scan# 2599
Delta R.T. -0.012 min
Lab File: BF144419.D
Acq: 03 Dec 2025 15:07

Tgt Ion:276 Resp: 49390
Ion Ratio Lower Upper
276 100
277 25.4 19.0 28.4
138 15.8 12.9 19.3

