

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
 Data File : BF144092.D
 Acq On : 27 Oct 2025 19:32
 Operator : RC/JU
 Sample : Q3449-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CF-620-COMP-41

Quant Time: Oct 28 10:41:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

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

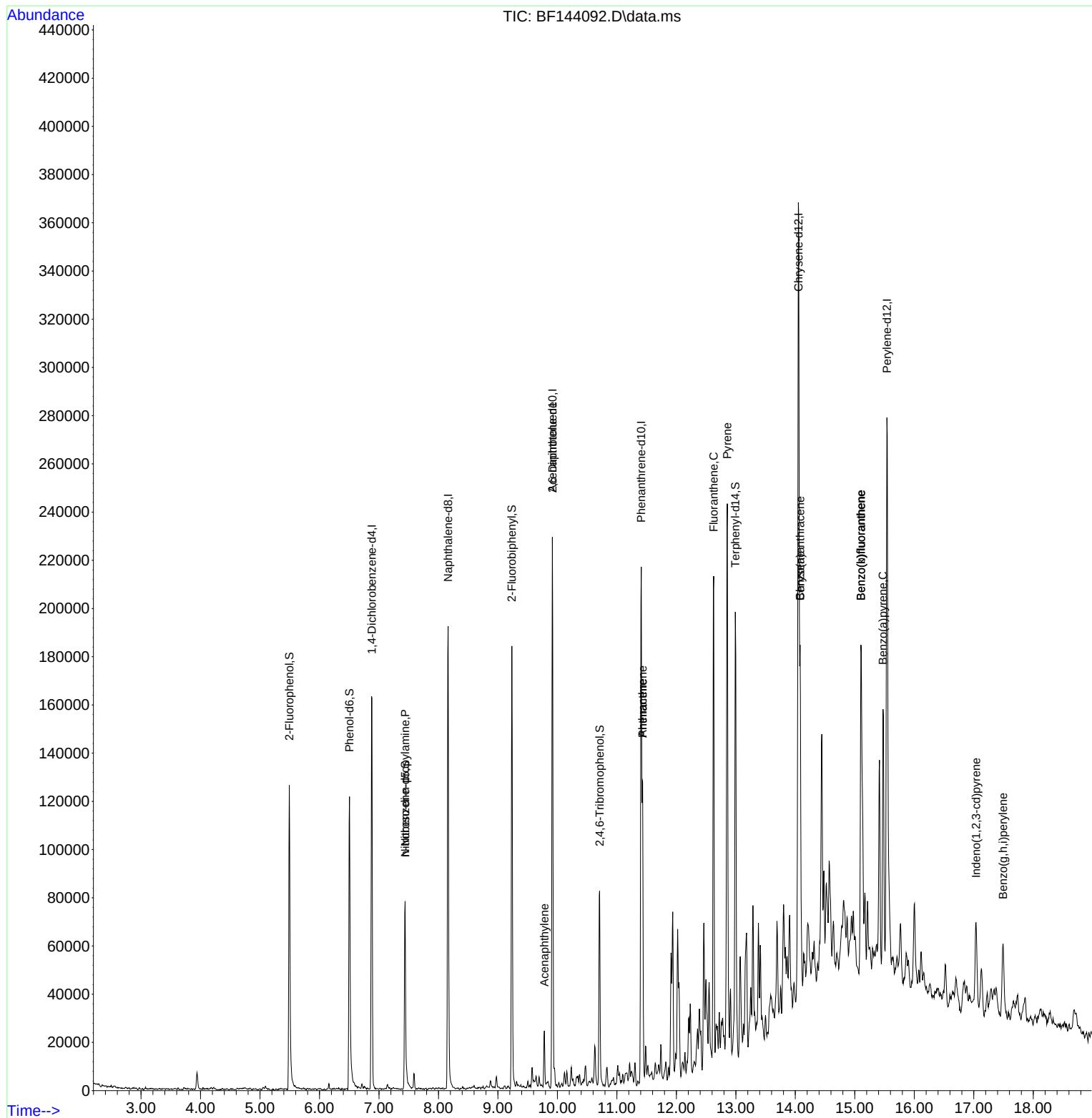
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	37031	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	130574	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	68733	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	121222	20.000	ng	0.00
76) Chrysene-d12	14.057	240	122054	20.000	ng	0.00
86) Perylene-d12	15.539	264	149696	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	59865	25.577	ng	0.00
7) Phenol-d6	6.504	99	63758	24.665	ng	0.00
23) Nitrobenzene-d5	7.439	82	38613	16.201	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	16890	19.291	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	88727	18.166	ng	0.00
79) Terphenyl-d14	12.992	244	90016	12.893	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	4794	2.868	ng	# 74
49) Acenaphthylene	9.780	152	15165	2.728	ng	96
51) 2,6-Dinitrotoluene	9.916	165	9412	10.567	ng	# 22
71) Phenanthrene	11.433	178	68584	11.389	ng	97
72) Anthracene	11.433	178	68584	11.025	ng	98
75) Fluoranthene	12.627	202	120421	18.101	ng	98
78) Pyrene	12.857	202	139839	15.936	ng	99
81) Benzo(a)anthracene	14.080	228	80338	9.740	ng	93
83) Chrysene	14.080	228	80338	10.379	ng	97
87) Indeno(1,2,3-cd)pyrene	17.039	276	29066	2.828	ng	93
88) Benzo(b)fluoranthene	15.104	252	124697	14.735	ng	98
89) Benzo(k)fluoranthene	15.104	252	124697	15.970	ng	98
90) Benzo(a)pyrene	15.474	252	70517	9.288	ng	97
92) Benzo(g,h,i)perylene	17.492	276	28907	3.534	ng	# 95

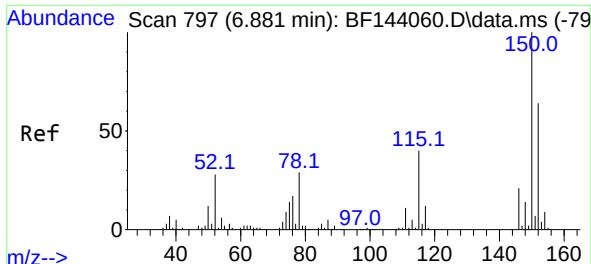
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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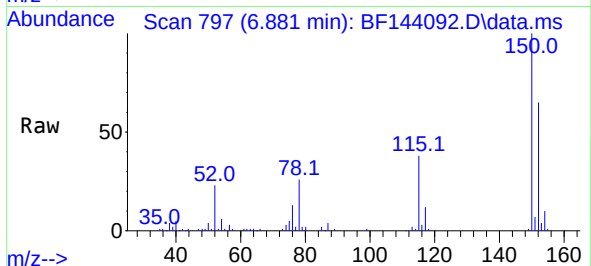
Quant Time: Oct 28 10:41:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 17:30:25 2025
Response via : Initial Calibration



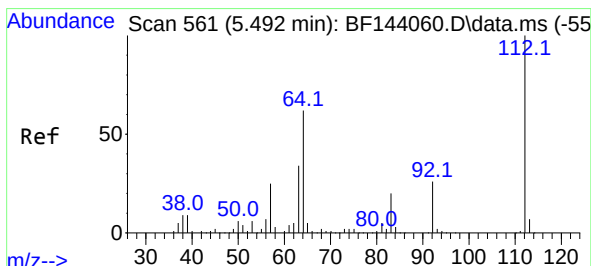
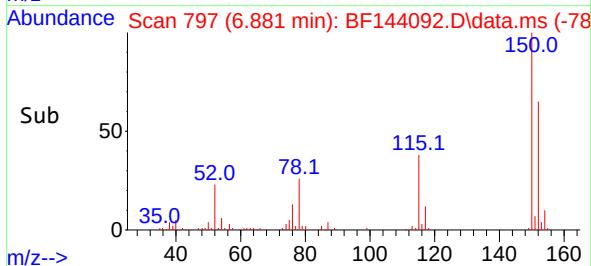
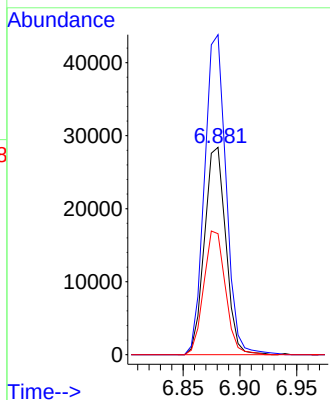


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF144092.D
Acq: 27 Oct 2025 19:32

Instrument :
BNA_F
ClientSampleId :
CF-620-COMP-41

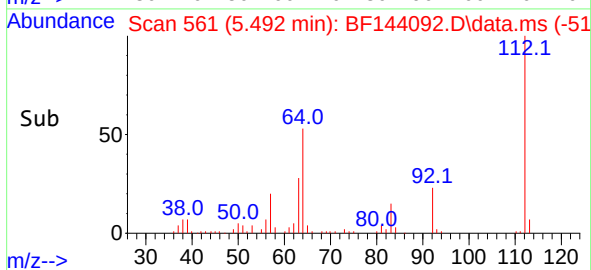
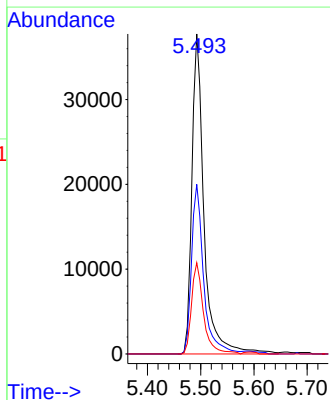
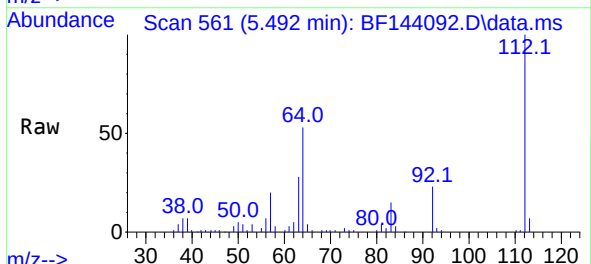


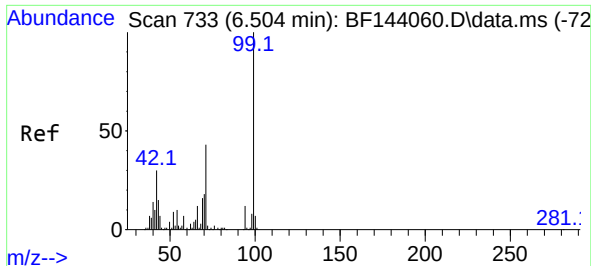
Tgt Ion:152 Resp: 37031
Ion Ratio Lower Upper
152 100
150 154.4 124.4 186.6
115 58.3 49.4 74.0



#5
2-Fluorophenol
Concen: 25.577 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF144092.D
Acq: 27 Oct 2025 19:32

Tgt Ion:112 Resp: 59865
Ion Ratio Lower Upper
112 100
64 53.0 49.8 74.8
63 28.5 27.4 41.2





#7
Phenol-d6
Concen: 24.665 ng
RT: 6.504 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF144092.D
Acq: 27 Oct 2025 19:32

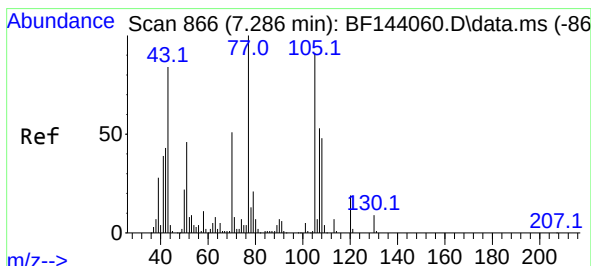
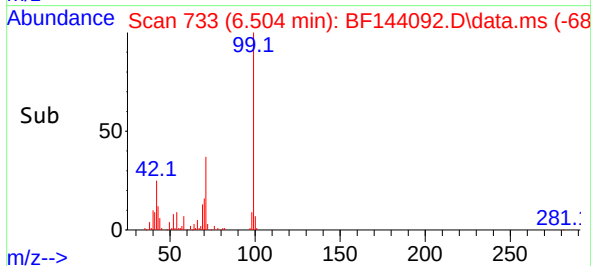
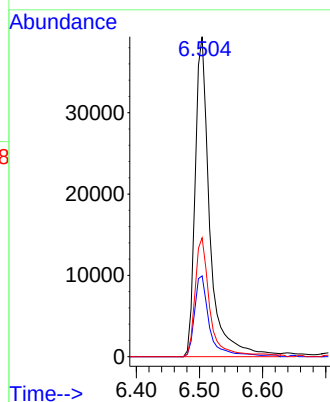
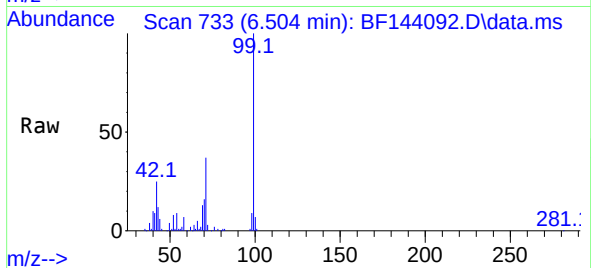
Instrument :

BNA_F

ClientSampleId :

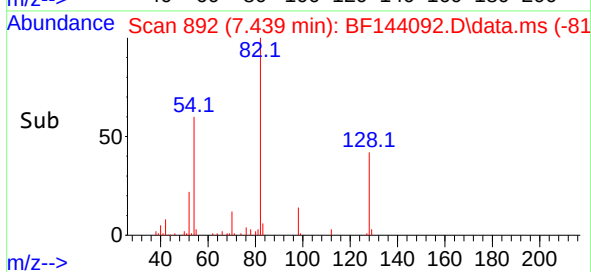
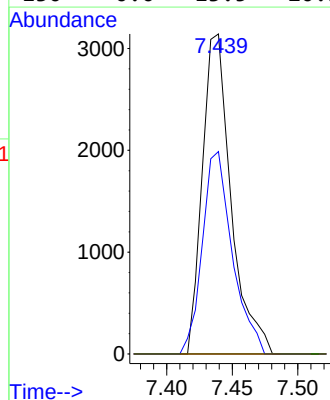
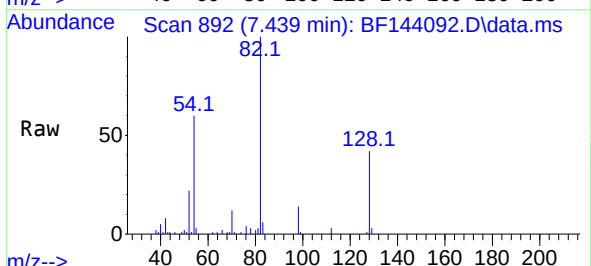
CF-620-COMP-41

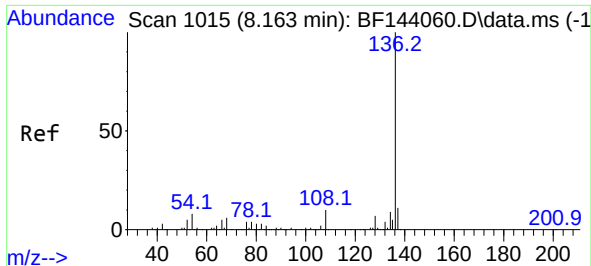
Tgt Ion: 99 Resp: 63758
Ion Ratio Lower Upper
99 100
42 25.2 23.9 35.9
71 37.2 34.4 51.6



#19
n-Nitroso-di-n-propylamine
Concen: 2.868 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.153 min
Lab File: BF144092.D
Acq: 27 Oct 2025 19:32

Tgt Ion: 70 Resp: 4794
Ion Ratio Lower Upper
70 100
42 63.3 67.4 101.0#
101 0.0 7.1 10.7#
130 0.0 13.5 20.3#



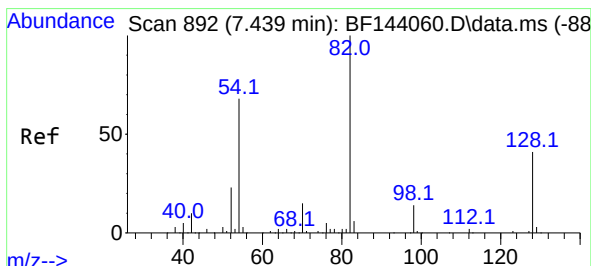
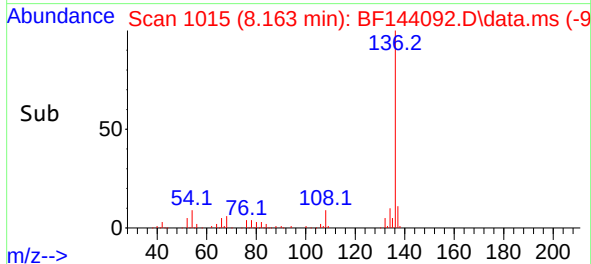
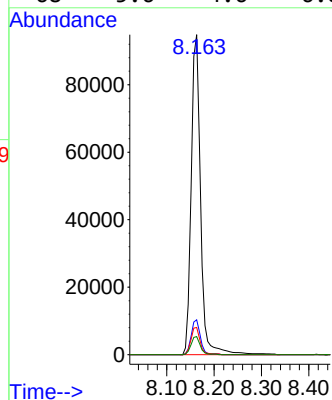
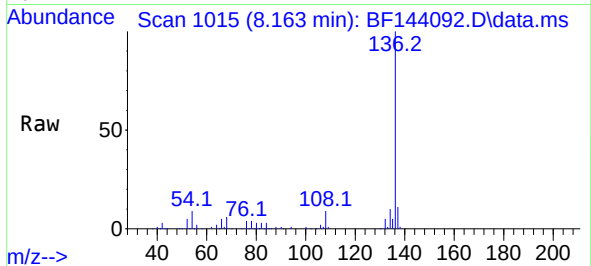


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF144092.D
Acq: 27 Oct 2025 19:32

Instrument :
BNA_F
ClientSampleId :
CF-620-COMP-41

Tgt Ion:136 Resp: 130574

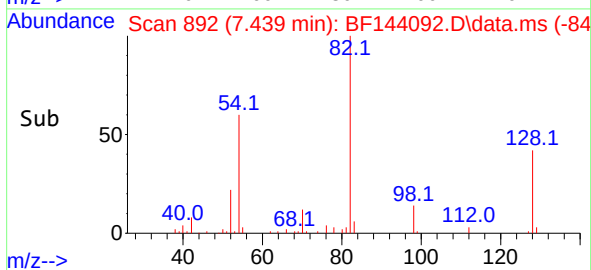
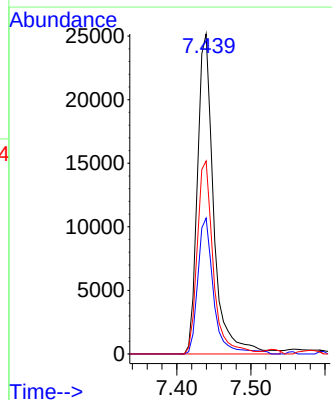
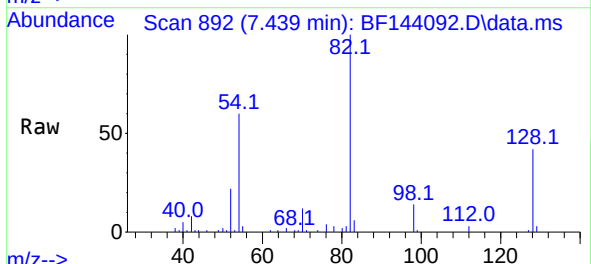
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.5	6.6	9.8
68	5.6	4.6	6.8

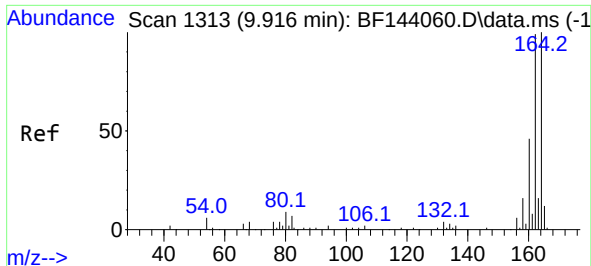


#23
Nitrobenzene-d5
Concen: 16.201 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.000 min
Lab File: BF144092.D
Acq: 27 Oct 2025 19:32

Tgt Ion: 82 Resp: 38613

Ion	Ratio	Lower	Upper
82	100		
128	42.4	32.4	48.6
54	60.3	54.0	81.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF144092.D

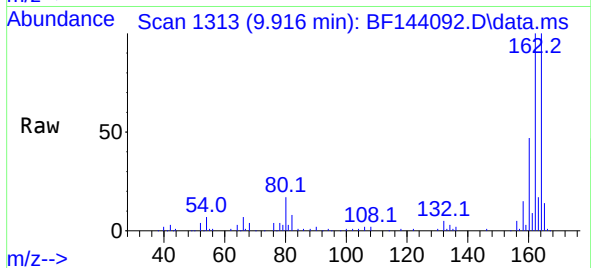
Acq: 27 Oct 2025 19:32

Instrument :

BNA_F

ClientSampleId :

CF-620-COMP-41



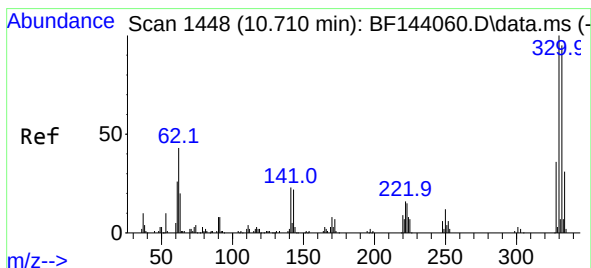
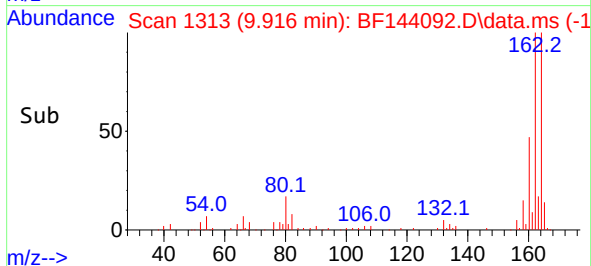
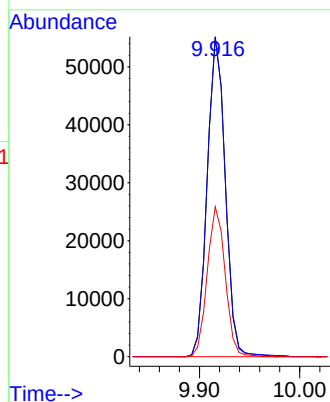
Tgt Ion:164 Resp: 68733

Ion Ratio Lower Upper

164 100

162 100.3 79.4 119.2

160 47.0 36.7 55.1



#42

2,4,6-Tribromophenol

Concen: 19.291 ng

RT: 10.710 min Scan# 1448

Delta R.T. 0.000 min

Lab File: BF144092.D

Acq: 27 Oct 2025 19:32

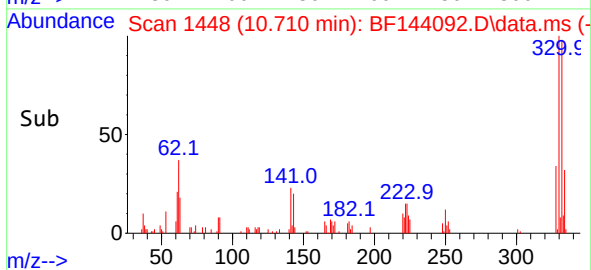
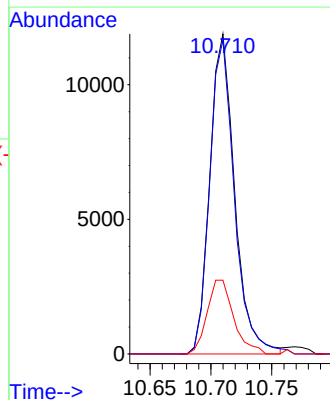
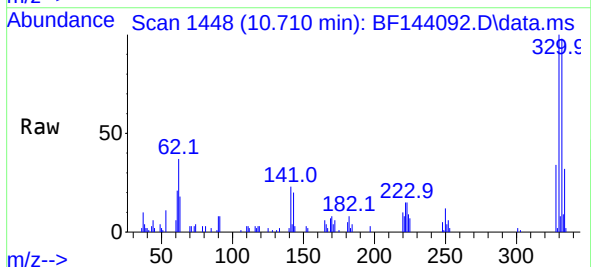
Tgt Ion:330 Resp: 16890

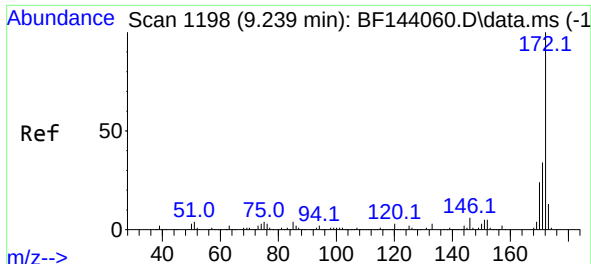
Ion Ratio Lower Upper

330 100

332 97.3 77.0 115.6

141 24.6 19.4 29.0

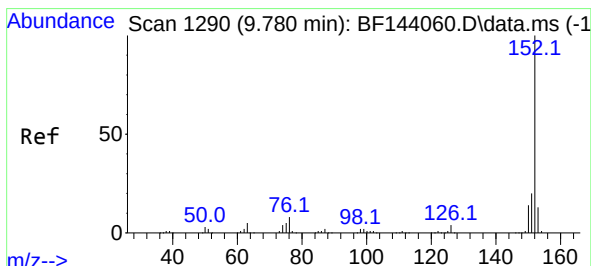
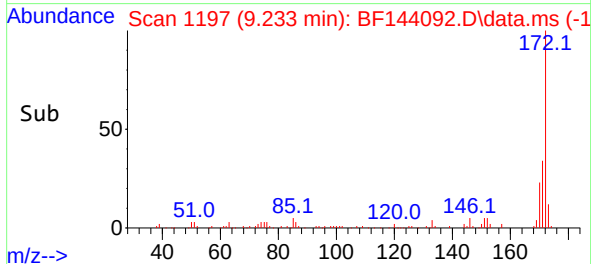
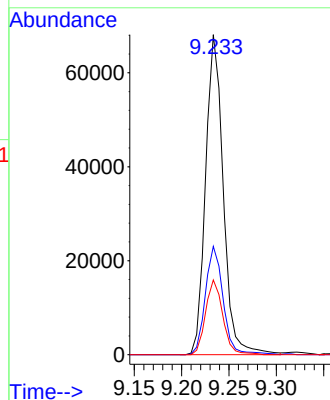
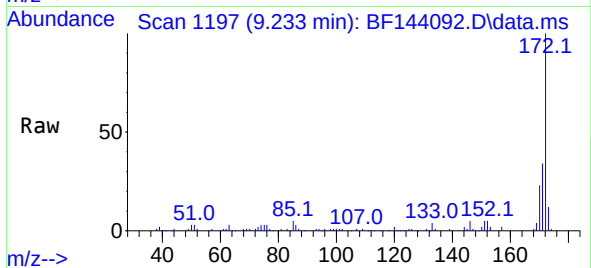




#45
2-Fluorobiphenyl
Concen: 18.166 ng
RT: 9.233 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF144092.D
Acq: 27 Oct 2025 19:32

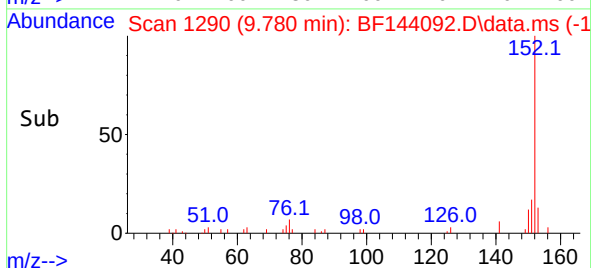
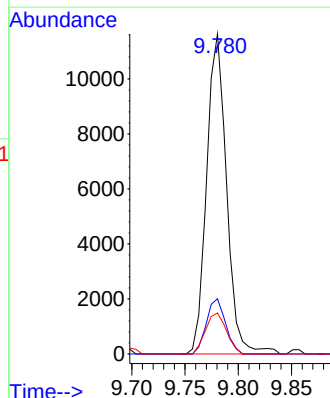
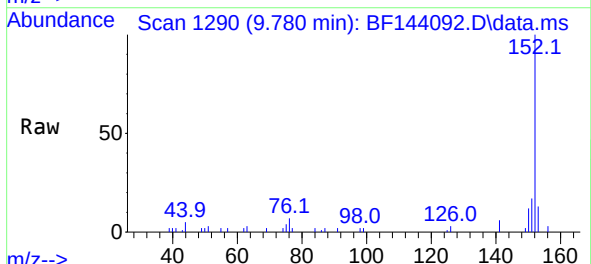
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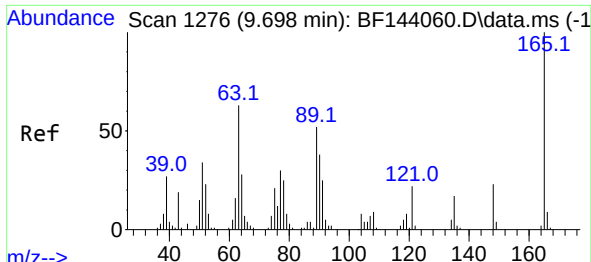
Tgt Ion:172 Resp: 88727
Ion Ratio Lower Upper
172 100
171 33.8 27.5 41.3
170 23.3 19.0 28.6



#49
Acenaphthylene
Concen: 2.728 ng
RT: 9.780 min Scan# 1290
Delta R.T. 0.000 min
Lab File: BF144092.D
Acq: 27 Oct 2025 19:32

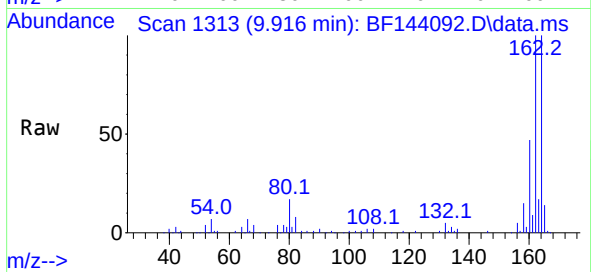
Tgt Ion:152 Resp: 15165
Ion Ratio Lower Upper
152 100
151 17.2 15.9 23.9
153 12.8 10.4 15.6



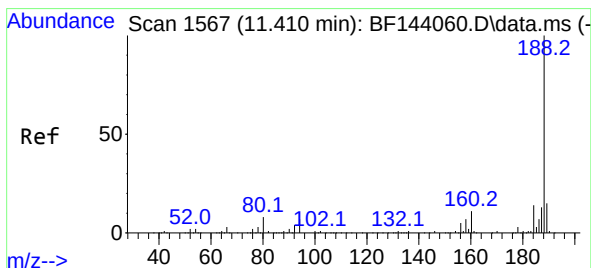
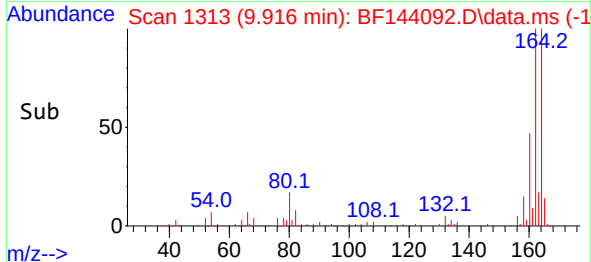
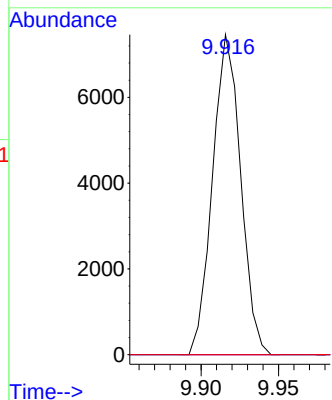


#51
2,6-Dinitrotoluene
Concen: 10.567 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF144092.D
Acq: 27 Oct 2025 19:32

Instrument :
BNA_F
ClientSampleId :
CF-620-COMP-41

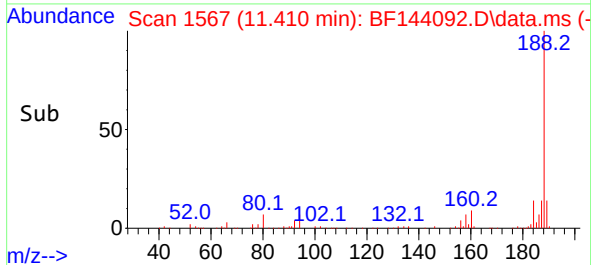
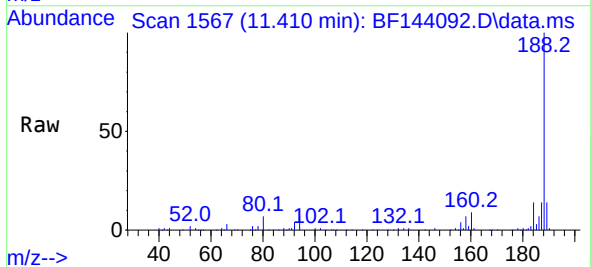
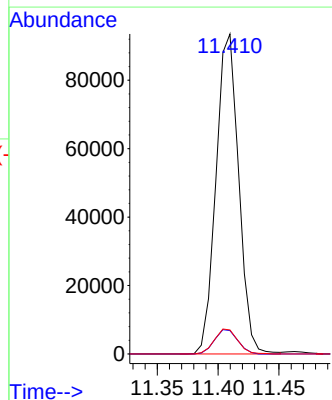


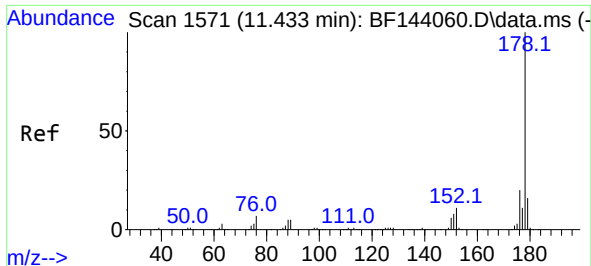
Tgt Ion:165 Resp: 9412
Ion Ratio Lower Upper
165 100
63 0.0 50.4 75.6#
89 0.0 41.4 62.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144092.D
Acq: 27 Oct 2025 19:32

Tgt Ion:188 Resp: 121222
Ion Ratio Lower Upper
188 100
94 7.3 5.4 8.0
80 7.5 6.0 9.0

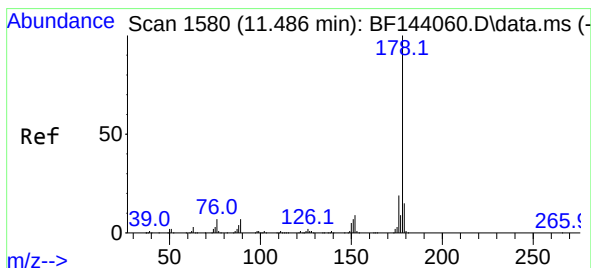
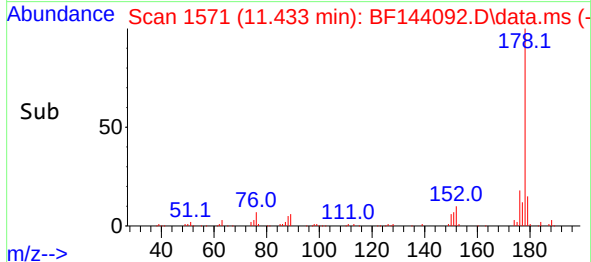
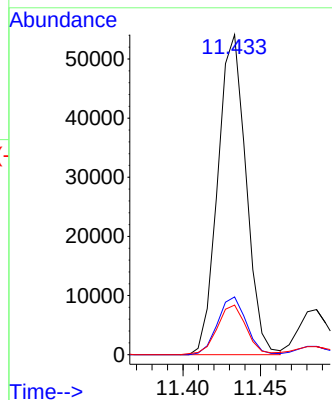
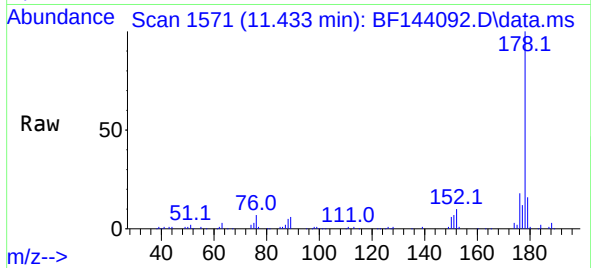




#71
Phenanthrene
Concen: 11.389 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF144092.D
Acq: 27 Oct 2025 19:32

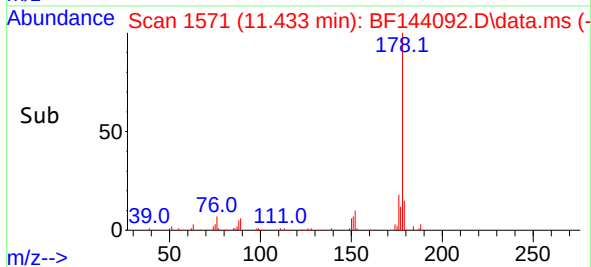
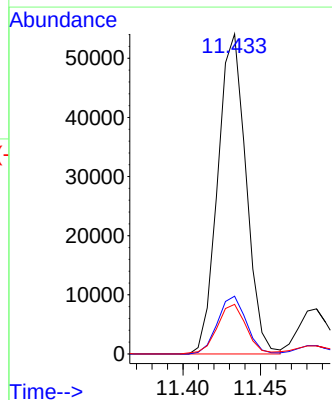
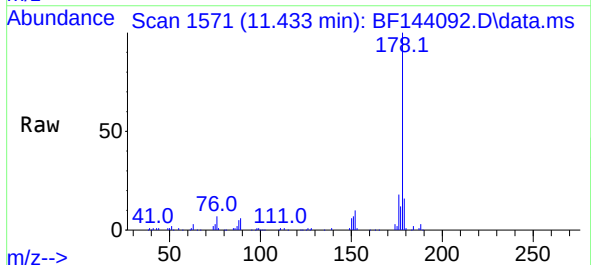
Instrument :
BNA_F
ClientSampleId :
CF-620-COMP-41

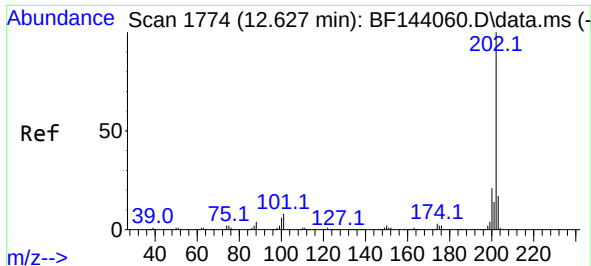
Tgt Ion:178 Resp: 68584
Ion Ratio Lower Upper
178 100
176 18.0 16.3 24.5
179 15.5 12.6 18.8



#72
Anthracene
Concen: 11.025 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.053 min
Lab File: BF144092.D
Acq: 27 Oct 2025 19:32

Tgt Ion:178 Resp: 68584
Ion Ratio Lower Upper
178 100
176 18.0 15.0 22.4
179 15.5 11.8 17.6

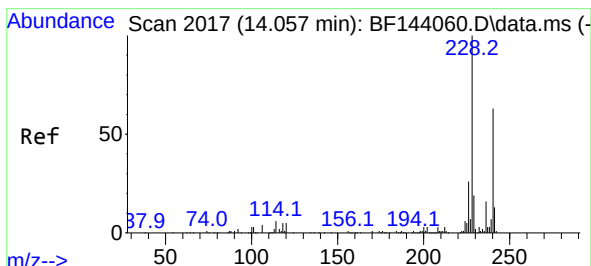
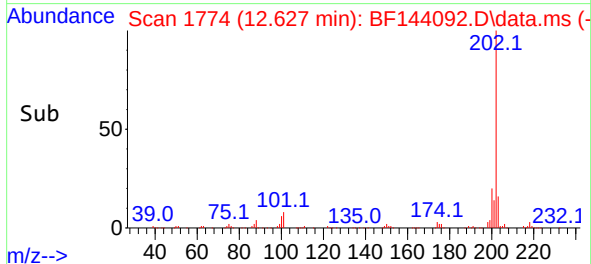
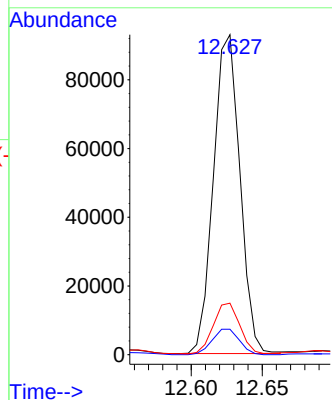
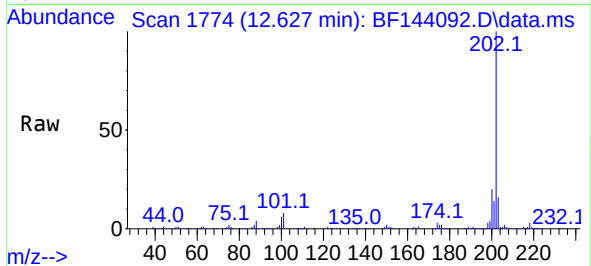




#75
Fluoranthene
Concen: 18.101 ng
RT: 12.627 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF144092.D
Acq: 27 Oct 2025 19:32

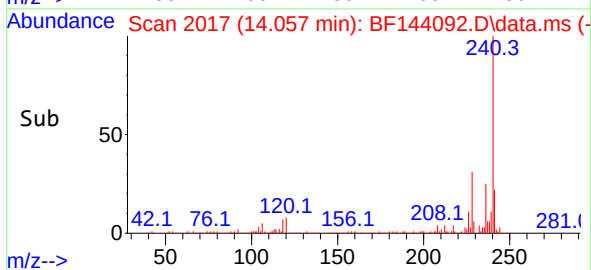
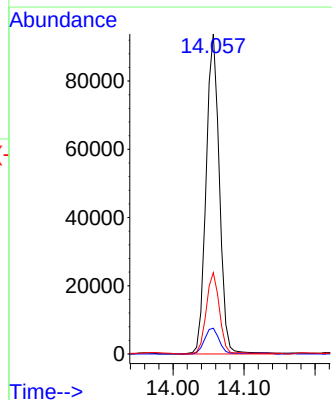
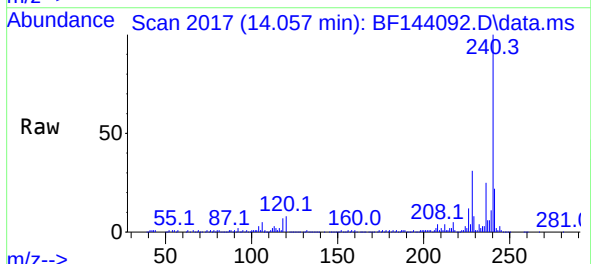
Instrument :
BNA_F
ClientSampleId :
CF-620-COMP-41

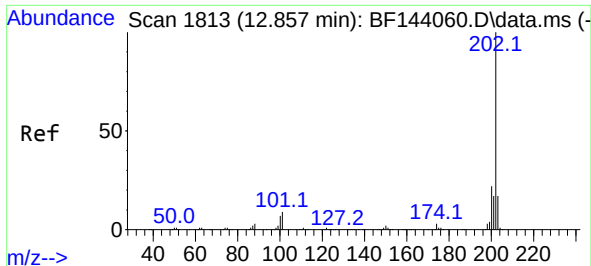
Tgt Ion:202 Resp: 120421
Ion Ratio Lower Upper
202 100
101 8.0 0.0 27.7
203 16.1 0.0 37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144092.D
Acq: 27 Oct 2025 19:32

Tgt Ion:240 Resp: 122054
Ion Ratio Lower Upper
240 100
120 8.0 6.5 9.7
236 25.4 20.1 30.1

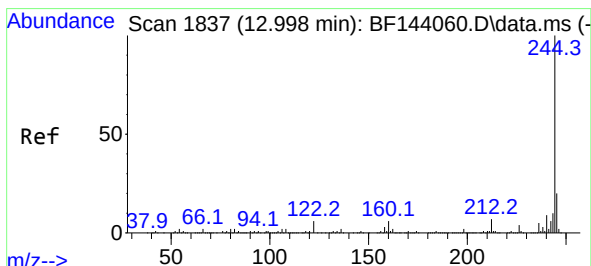
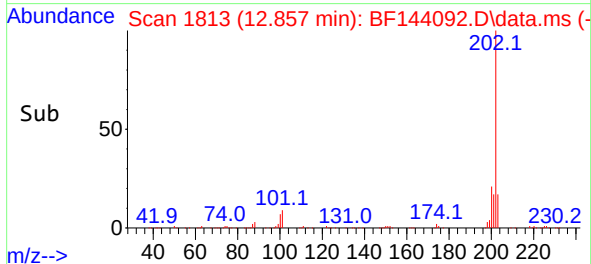
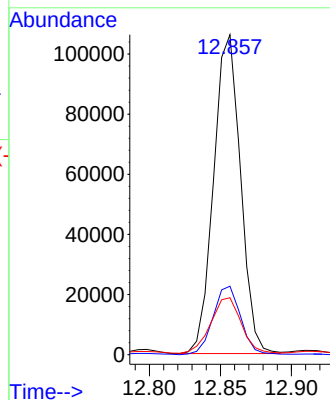
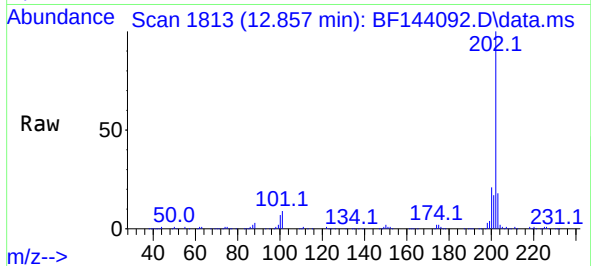




#78
Pyrene
Concen: 15.936 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144092.D
Acq: 27 Oct 2025 19:32

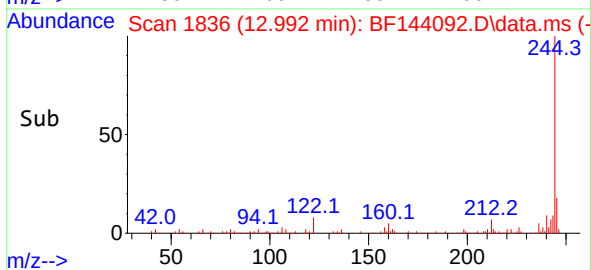
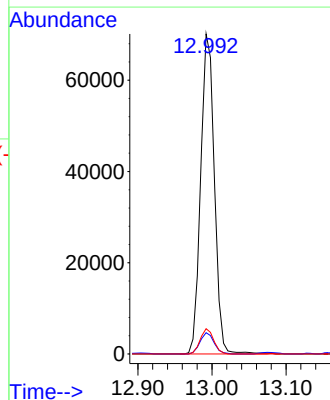
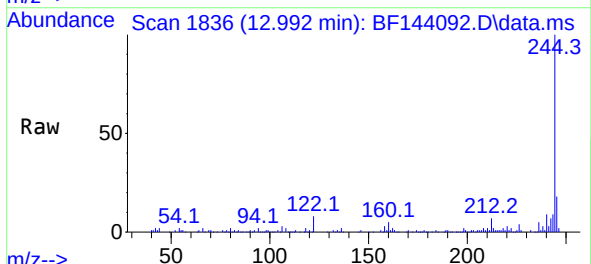
Instrument :
BNA_F
ClientSampleId :
CF-620-COMP-41

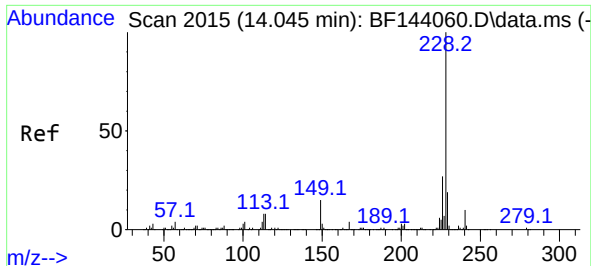
Tgt Ion:202 Resp: 139839
Ion Ratio Lower Upper
202 100
200 21.4 17.2 25.8
203 17.8 13.5 20.3



#79
Terphenyl-d14
Concen: 12.893 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF144092.D
Acq: 27 Oct 2025 19:32

Tgt Ion:244 Resp: 90016
Ion Ratio Lower Upper
244 100
212 6.6 5.8 8.6
122 7.9 4.9 7.3#

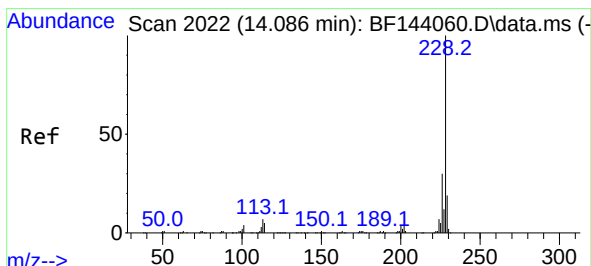
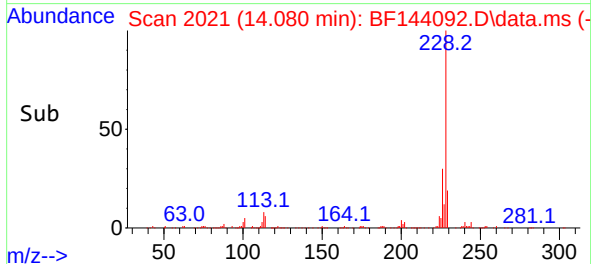
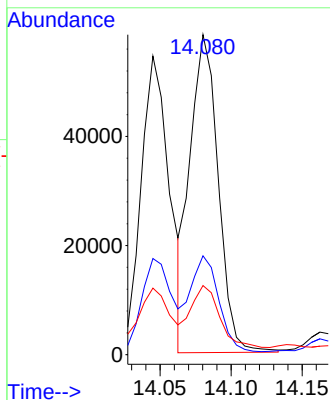
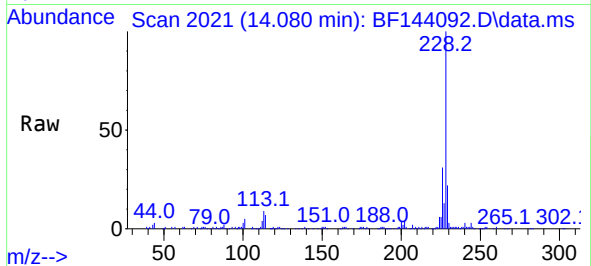




#81
Benzo(a)anthracene
Concen: 9.740 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.035 min
Lab File: BF144092.D
Acq: 27 Oct 2025 19:32

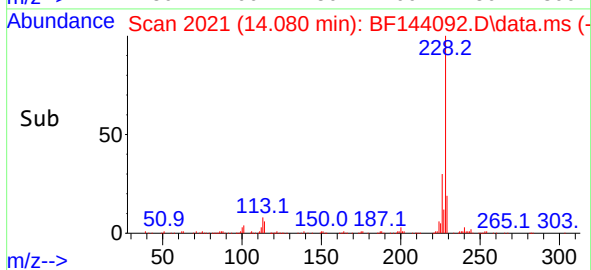
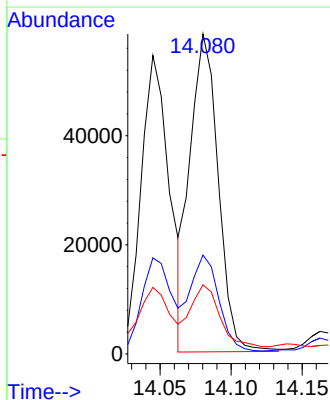
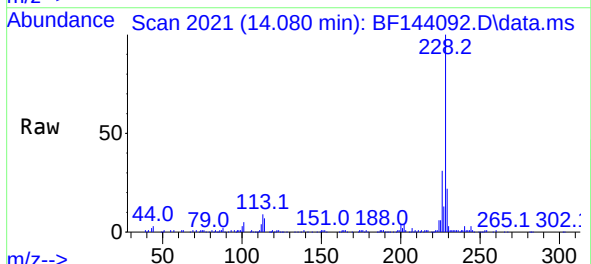
Instrument :
BNA_F
ClientSampleId :
CF-620-COMP-41

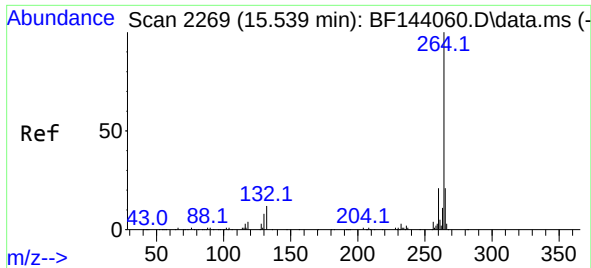
Tgt Ion:228 Resp: 80338
Ion Ratio Lower Upper
228 100
226 30.9 21.4 32.2
229 21.6 15.3 22.9



#83
Chrysene
Concen: 10.379 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF144092.D
Acq: 27 Oct 2025 19:32

Tgt Ion:228 Resp: 80338
Ion Ratio Lower Upper
228 100
226 30.9 23.8 35.6
229 21.6 15.6 23.4

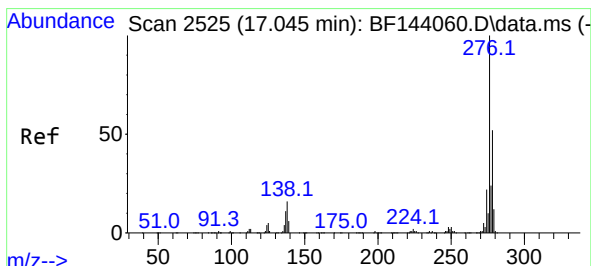
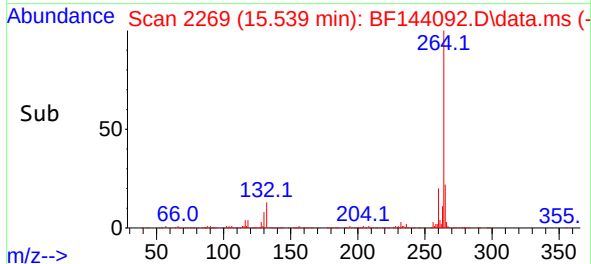
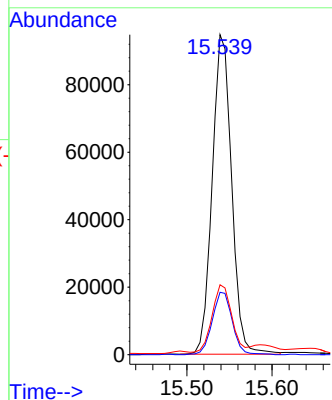
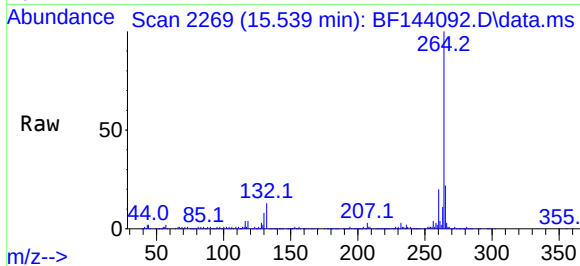




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.539 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF144092.D
 Acq: 27 Oct 2025 19:32

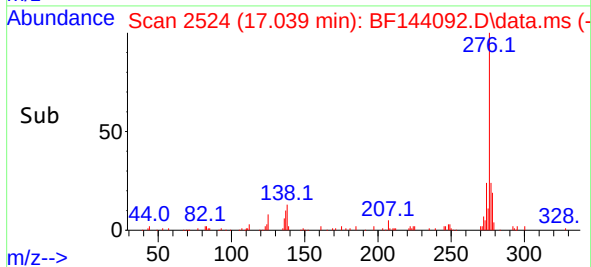
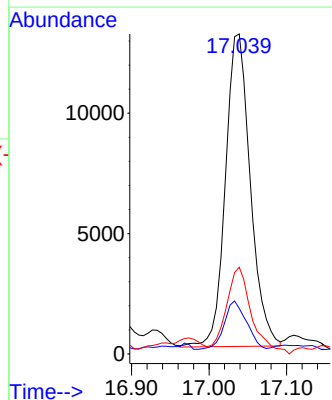
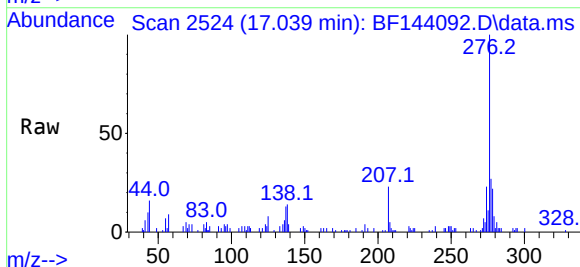
Instrument :
 BNA_F
 ClientSampleId :
 CF-620-COMP-41

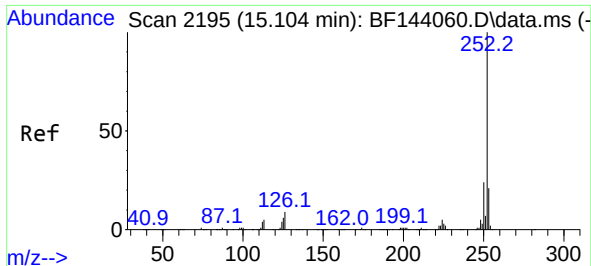
Tgt Ion:264 Resp: 149696
 Ion Ratio Lower Upper
 264 100
 260 19.5 17.0 25.4
 265 21.9 16.6 24.8



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.828 ng
 RT: 17.039 min Scan# 2524
 Delta R.T. -0.006 min
 Lab File: BF144092.D
 Acq: 27 Oct 2025 19:32

Tgt Ion:276 Resp: 29066
 Ion Ratio Lower Upper
 276 100
 138 14.0 13.0 19.6
 277 28.4 19.4 29.0

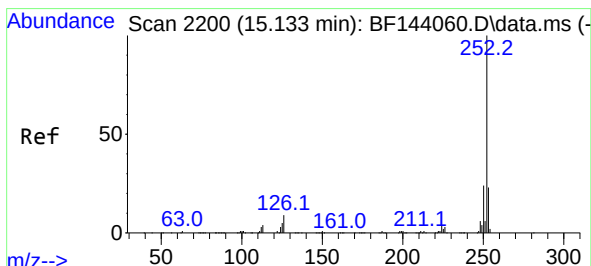
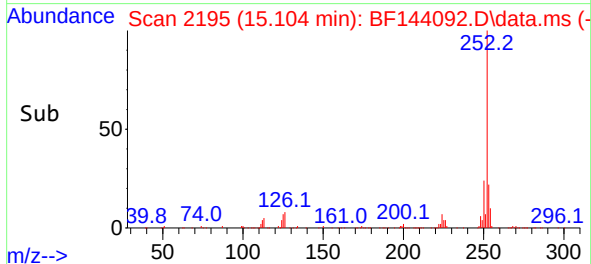
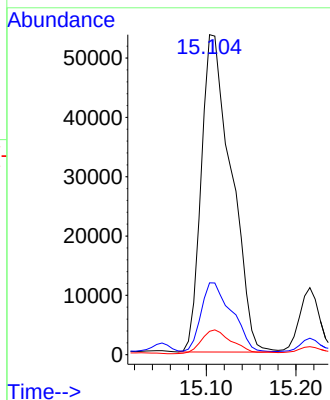
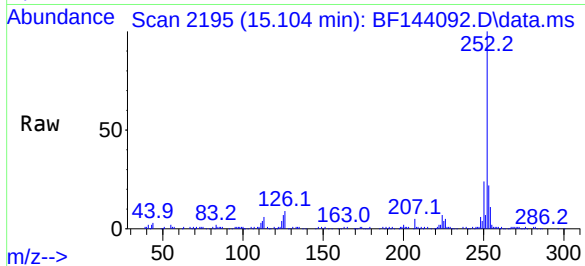




#88
Benzo(b)fluoranthene
Concen: 14.735 ng
RT: 15.104 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF144092.D
Acq: 27 Oct 2025 19:32

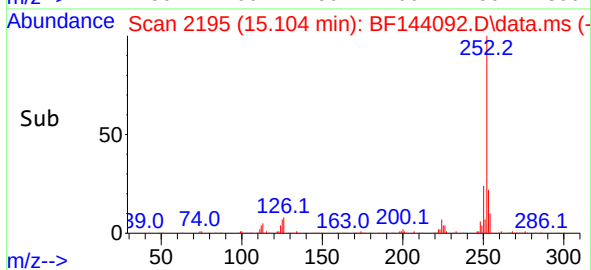
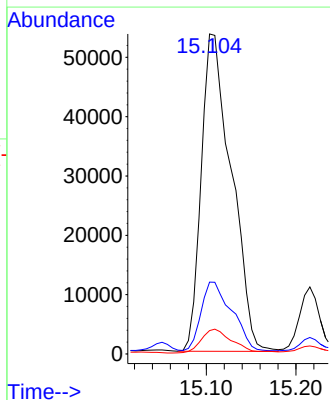
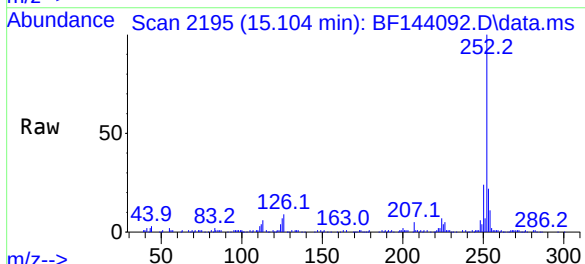
Instrument :
BNA_F
ClientSampleId :
CF-620-COMP-41

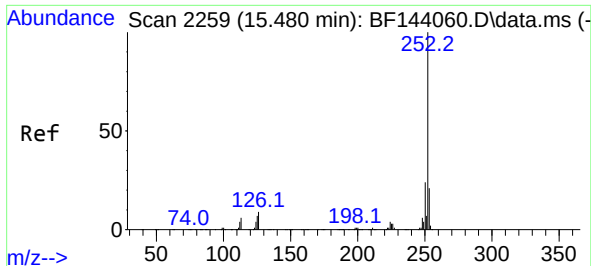
Tgt Ion:252 Resp: 124697
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 7.3 5.0 7.6



#89
Benzo(k)fluoranthene
Concen: 15.970 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.029 min
Lab File: BF144092.D
Acq: 27 Oct 2025 19:32

Tgt Ion:252 Resp: 124697
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 7.3 4.9 7.3

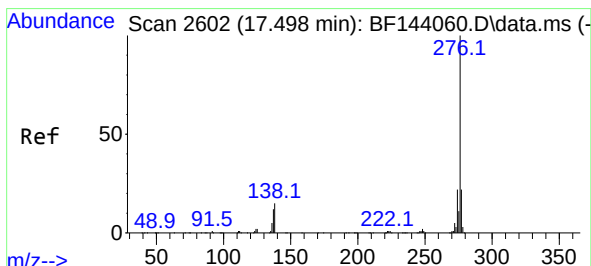
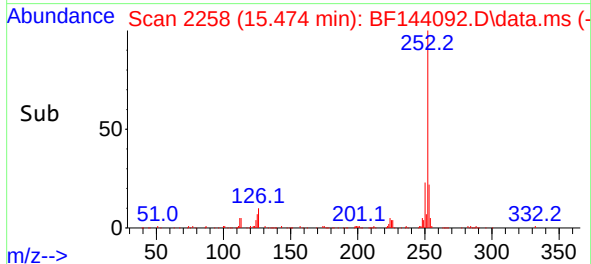
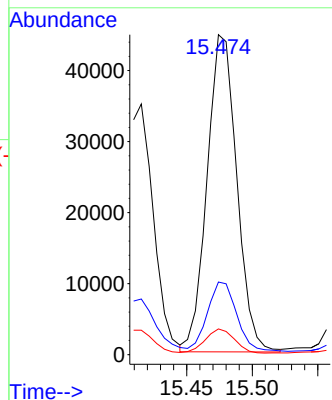
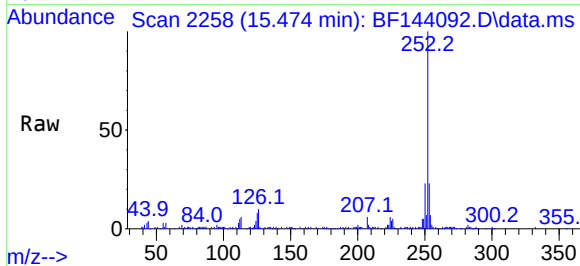




#90
Benzo(a)pyrene
Concen: 9.288 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144092.D
Acq: 27 Oct 2025 19:32

Instrument :
BNA_F
ClientSampleId :
CF-620-COMP-41

Tgt Ion:252 Resp: 70517
Ion Ratio Lower Upper
252 100
253 22.7 17.1 25.7
125 8.0 5.4 8.2



#92
Benzo(g,h,i)perylene
Concen: 3.534 ng
RT: 17.492 min Scan# 2601
Delta R.T. -0.006 min
Lab File: BF144092.D
Acq: 27 Oct 2025 19:32

Tgt Ion:276 Resp: 28907
Ion Ratio Lower Upper
276 100
277 22.8 17.9 26.9
138 19.5 12.0 18.0#

