

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
 Data File : BF142892.D
 Acq On : 27 Jun 2025 14:47
 Operator : RC/JU
 Sample : Q2413-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-34

Quant Time: Jun 27 15:08:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

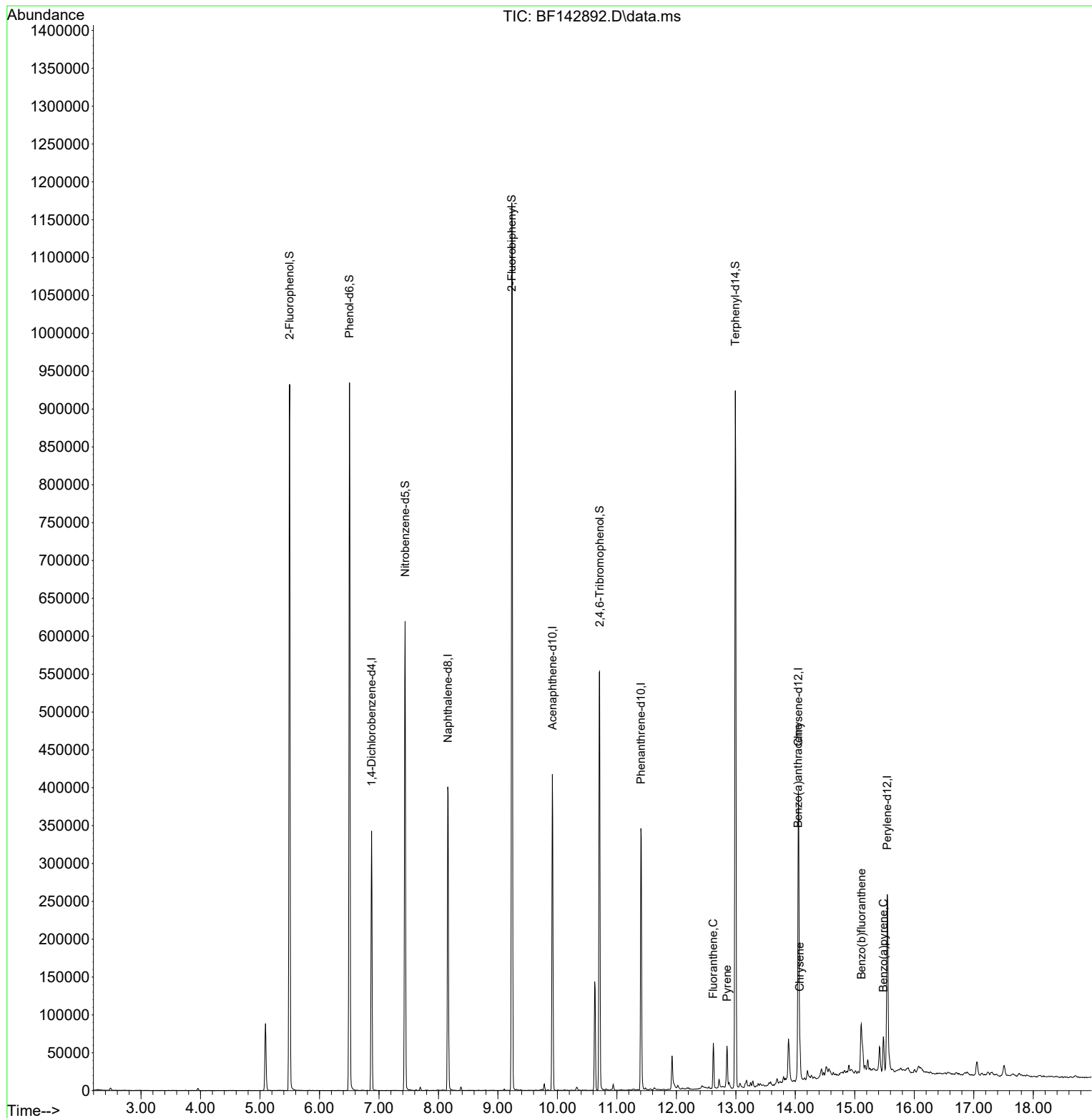
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	74176	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	267947	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	125086	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	186159	20.000	ng	0.00
76) Chrysene-d12	14.051	240	169043	20.000	ng	0.00
86) Perylene-d12	15.545	264	135290	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	362975	81.472	ng	0.00
7) Phenol-d6	6.504	99	431008	81.999	ng	0.00
23) Nitrobenzene-d5	7.439	82	260620	53.351	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	99032	76.935	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	532562	55.930	ng	-0.01
79) Terphenyl-d14	12.992	244	442381	36.159	ng	0.00
Target Compounds						
						Qvalue
75) Fluoranthene	12.621	202	33338	3.483	ng	99
78) Pyrene	12.851	202	33041	2.085	ng	99
81) Benzo(a)anthracene	14.045	228	31932m	2.800	ng	
83) Chrysene	14.074	228	23444	2.304	ng	97
88) Benzo(b)fluoranthene	15.110	252	43981m	5.618	ng	
90) Benzo(a)pyrene	15.480	252	24857	3.287	ng	99

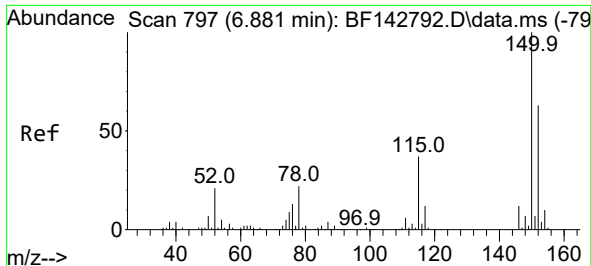
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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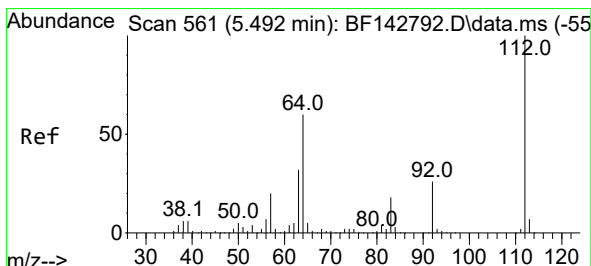
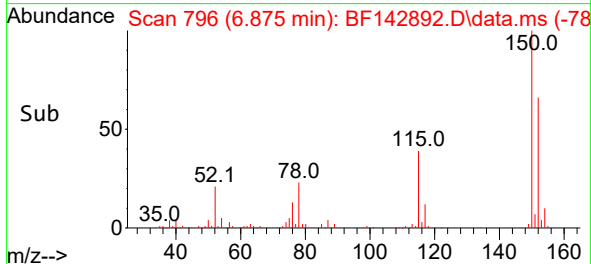
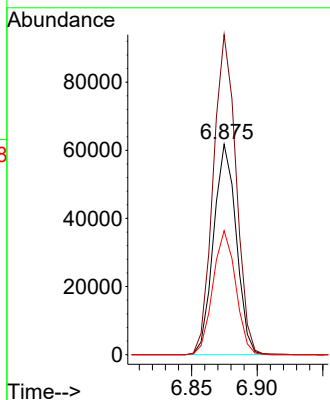
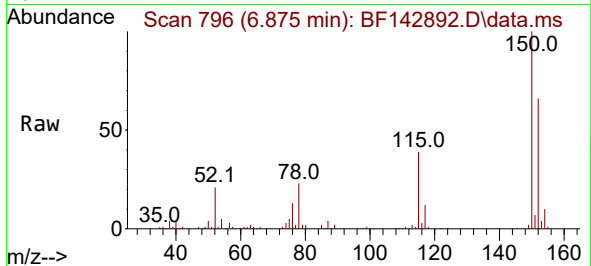




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

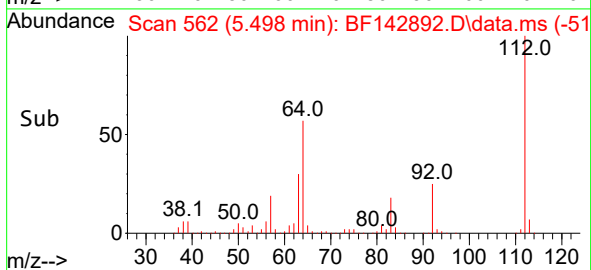
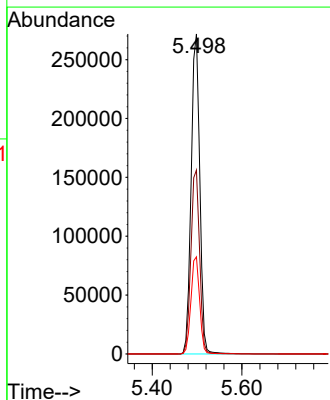
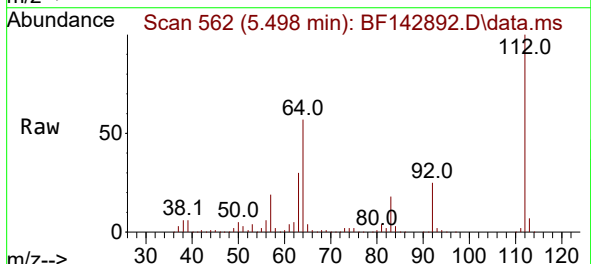
Instrument :
BNA_F
ClientSampleId :
TP-34

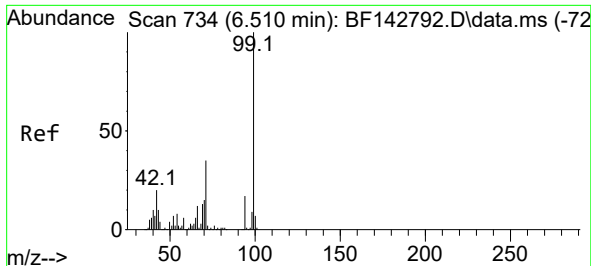
Tgt Ion:152 Resp: 74176
Ion Ratio Lower Upper
152 100
150 152.1 127.2 190.8
115 58.9 46.6 69.8



#5
2-Fluorophenol
Concen: 81.472 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

Tgt Ion:112 Resp: 362975
Ion Ratio Lower Upper
112 100
64 57.5 48.2 72.2
63 30.4 25.7 38.5





#7

Phenol-d6

Concen: 81.999 ng

RT: 6.504 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142892.D

Acq: 27 Jun 2025 14:47

Instrument :

BNA_F

ClientSampleId :

TP-34

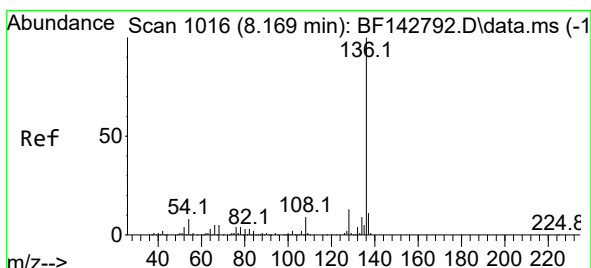
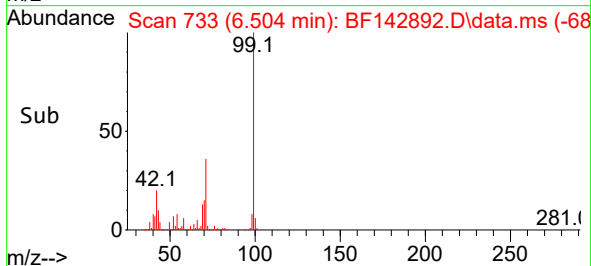
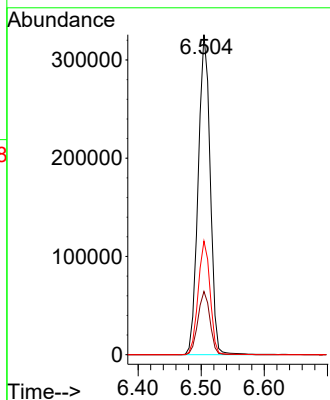
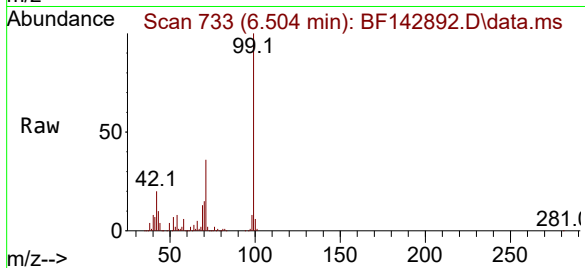
Tgt Ion: 99 Resp: 431008

Ion Ratio Lower Upper

99 100

42 19.7 15.9 23.9

71 35.5 27.8 41.8



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BF142892.D

Acq: 27 Jun 2025 14:47

Tgt Ion:136 Resp: 267947

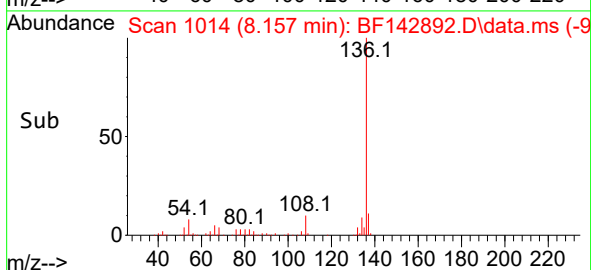
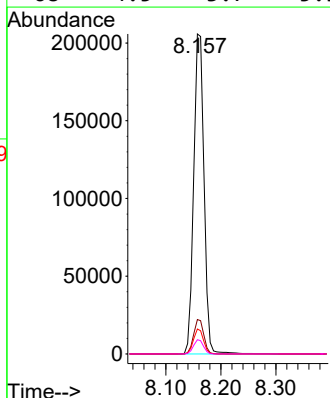
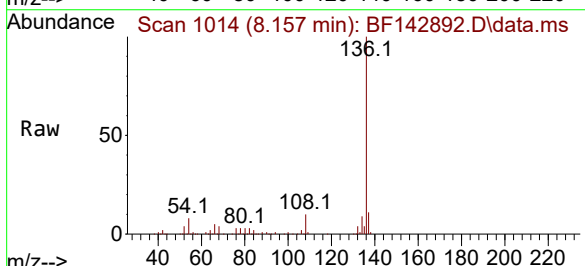
Ion Ratio Lower Upper

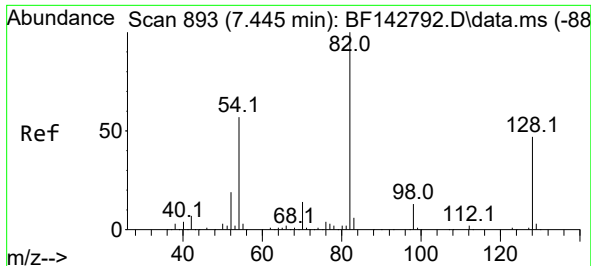
136 100

137 10.7 8.4 12.6

54 7.8 6.3 9.5

68 4.5 3.7 5.5





#23

Nitrobenzene-d5

Concen: 53.351 ng

RT: 7.439 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF142892.D

Acq: 27 Jun 2025 14:47

Instrument :

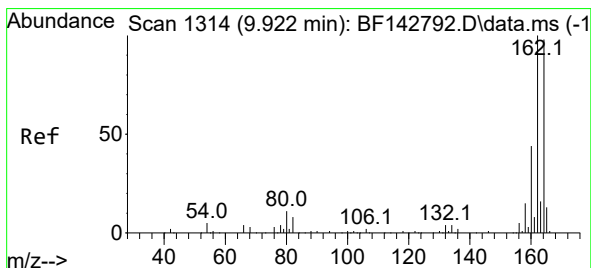
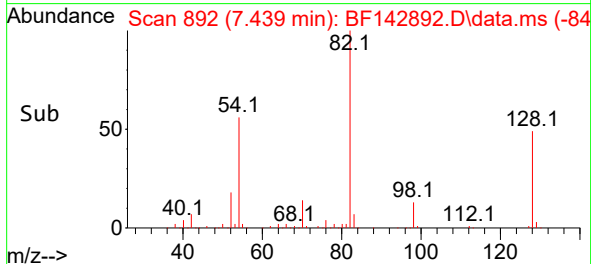
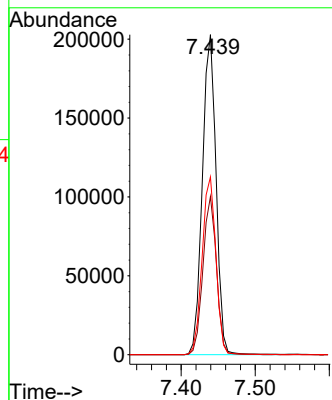
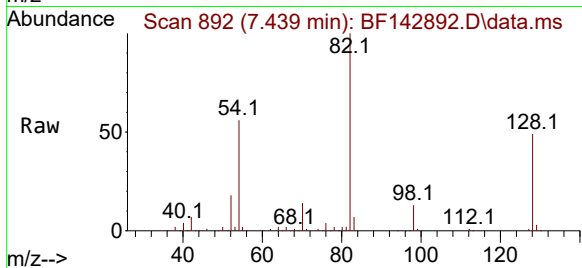
BNA_F

ClientSampleId :

TP-34

Tgt Ion: 82 Resp: 260620

Ion	Ratio	Lower	Upper
82	100		
128	49.4	37.7	56.5
54	55.6	45.7	68.5



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1313

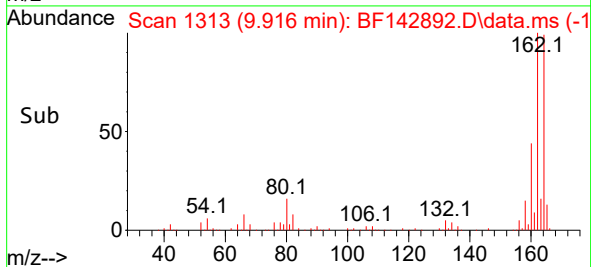
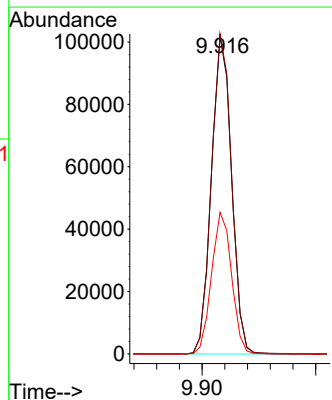
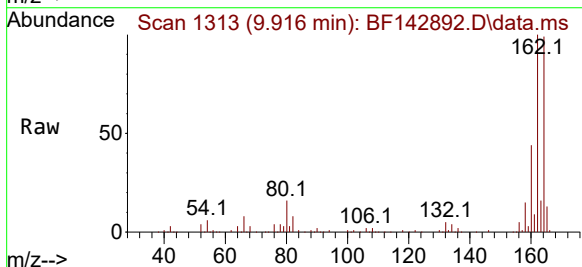
Delta R.T. -0.006 min

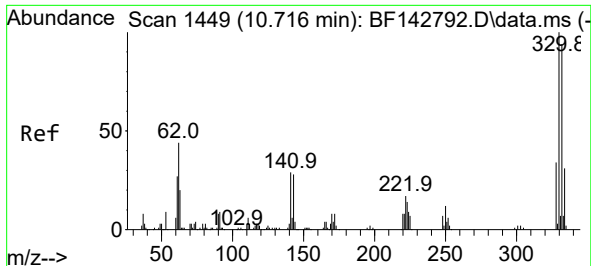
Lab File: BF142892.D

Acq: 27 Jun 2025 14:47

Tgt Ion:164 Resp: 125086

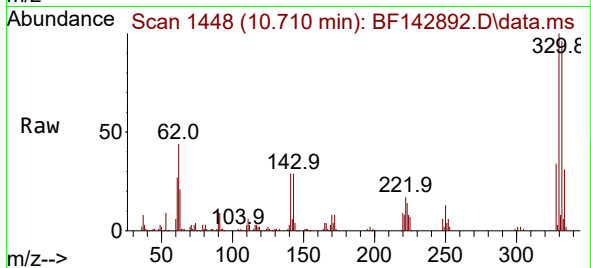
Ion	Ratio	Lower	Upper
164	100		
162	100.8	81.8	122.8
160	44.6	36.0	54.0



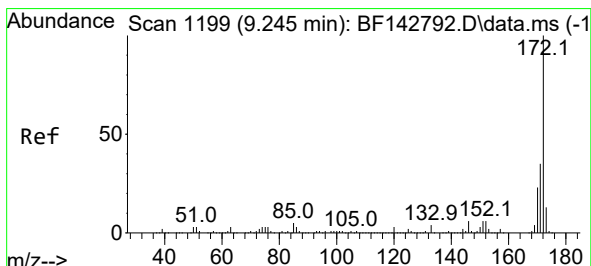
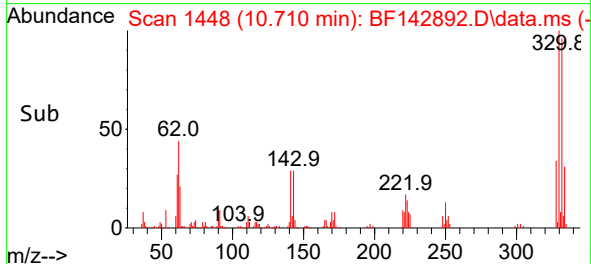
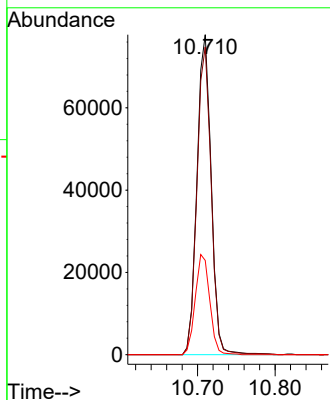


#42
2,4,6-Tribromophenol
Concen: 76.935 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-34

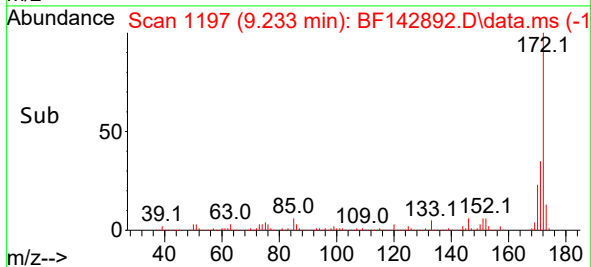
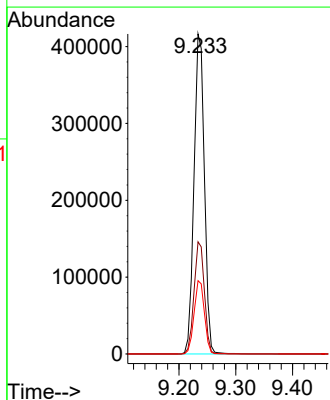
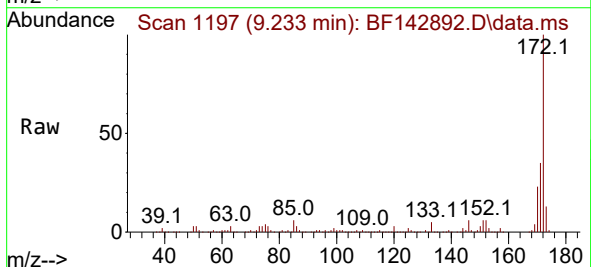


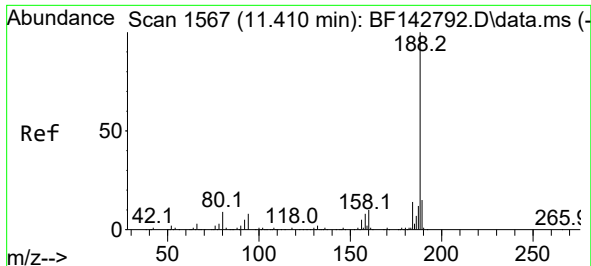
Tgt Ion:330 Resp: 99032
Ion Ratio Lower Upper
330 100
332 96.3 75.0 112.6
141 31.9 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 55.930 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

Tgt Ion:172 Resp: 532562
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.4
170 22.9 18.5 27.7

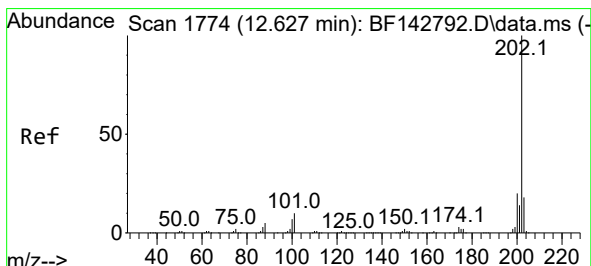
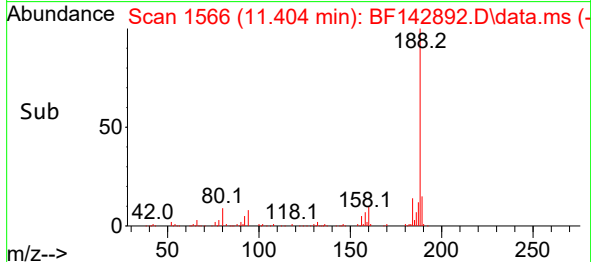
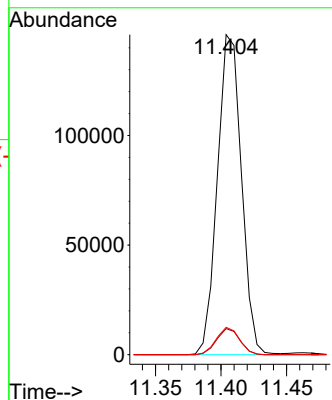
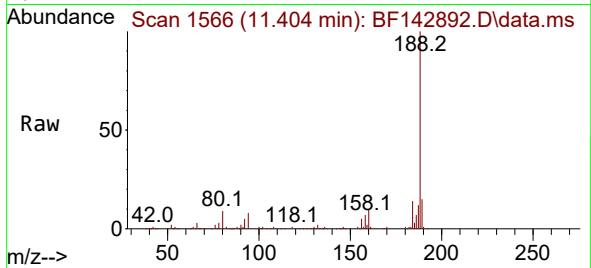




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

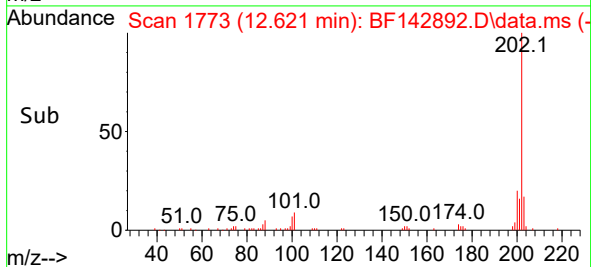
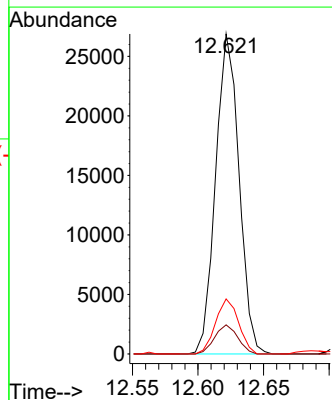
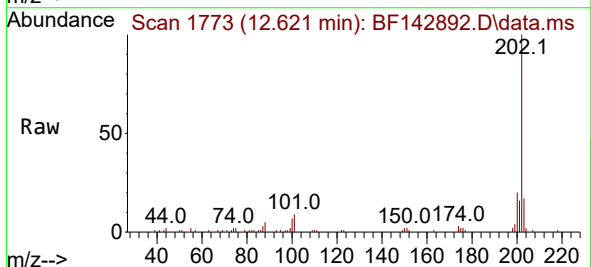
Instrument :
BNA_F
ClientSampleId :
TP-34

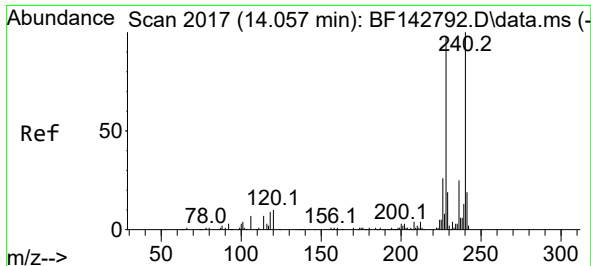
Tgt Ion:188 Resp: 186159
Ion Ratio Lower Upper
188 100
94 8.2 6.7 10.1
80 8.5 6.9 10.3



#75
Fluoranthene
Concen: 3.483 ng
RT: 12.621 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

Tgt Ion:202 Resp: 33338
Ion Ratio Lower Upper
202 100
101 9.1 0.0 29.7
203 17.2 0.0 37.5

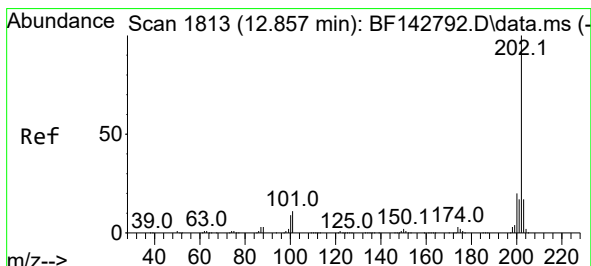
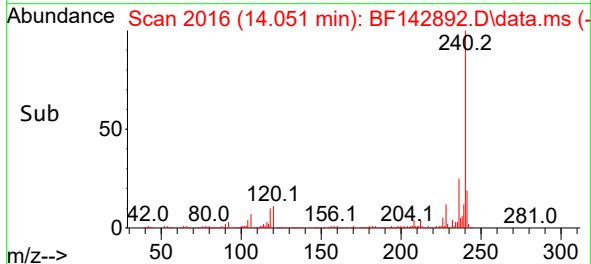
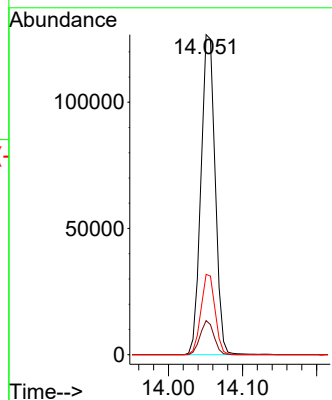
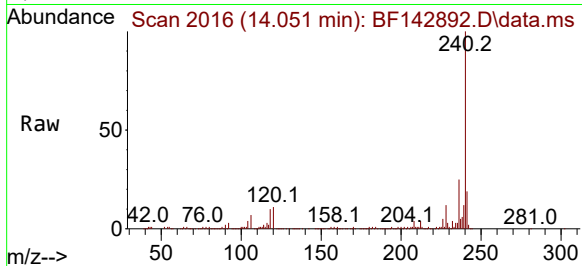




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

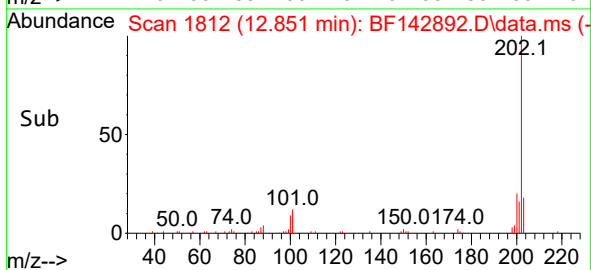
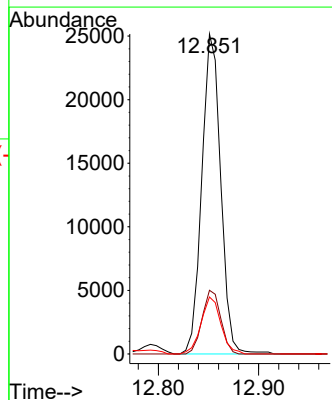
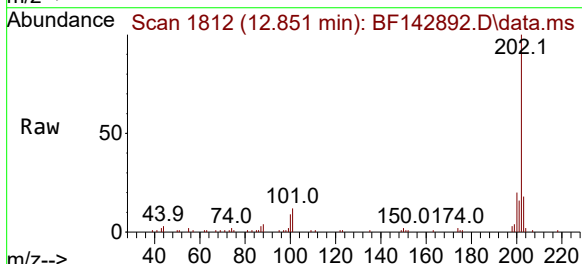
Instrument :
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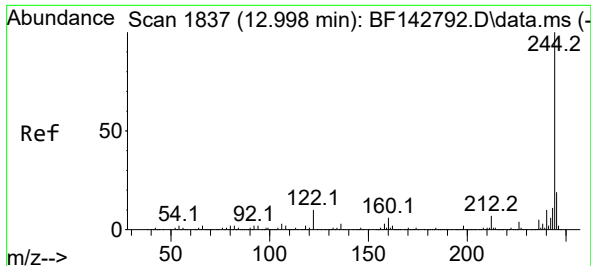
Tgt Ion:240 Resp: 169043
Ion Ratio Lower Upper
240 100
120 10.7 8.2 12.2
236 25.1 19.8 29.8



#78
Pyrene
Concen: 2.085 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

Tgt Ion:202 Resp: 33041
Ion Ratio Lower Upper
202 100
200 19.9 15.7 23.5
203 17.8 13.8 20.6

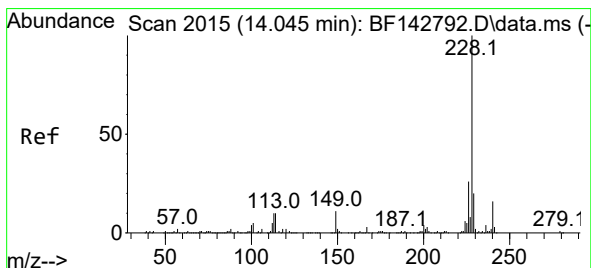
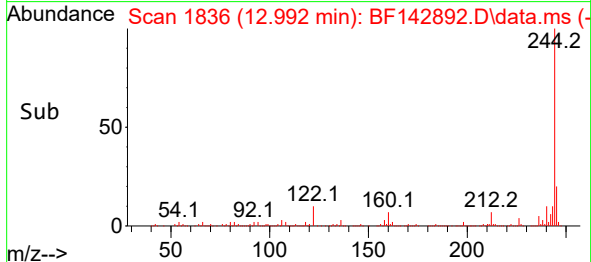
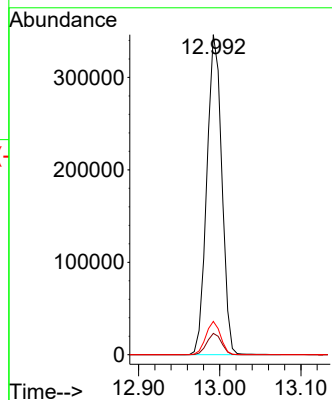
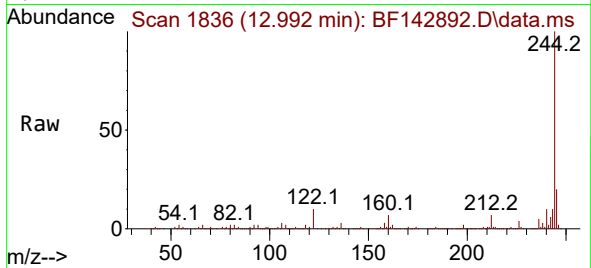




#79
 Terphenyl-d14
 Concen: 36.159 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF142892.D
 Acq: 27 Jun 2025 14:47

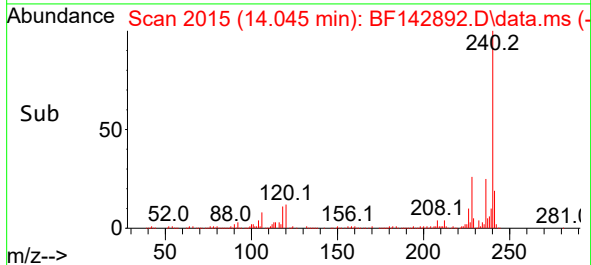
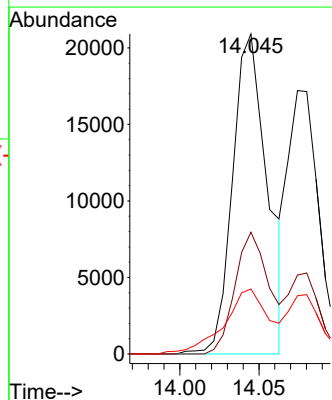
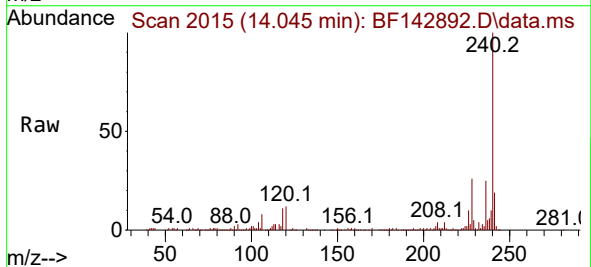
Instrument :
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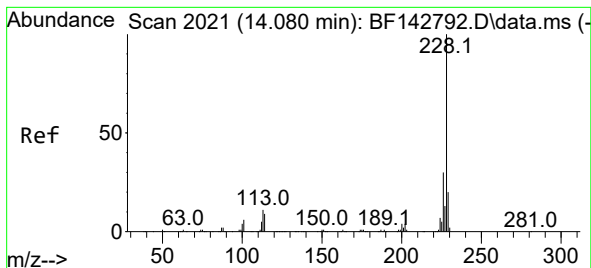
Tgt Ion:244 Resp: 442381
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.4 8.2 12.2



#81
 Benzo(a)anthracene
 Concen: 2.800 ng m
 RT: 14.045 min Scan# 2015
 Delta R.T. 0.000 min
 Lab File: BF142892.D
 Acq: 27 Jun 2025 14:47

Tgt Ion:228 Resp: 31932
 Ion Ratio Lower Upper
 228 100
 226 38.0 21.2 31.8#
 229 20.3 15.6 23.4





#83

Chrysene

Concen: 2.304 ng

RT: 14.074 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142892.D

Acq: 27 Jun 2025 14:47

Instrument :

BNA_F

ClientSampleId :

TP-34

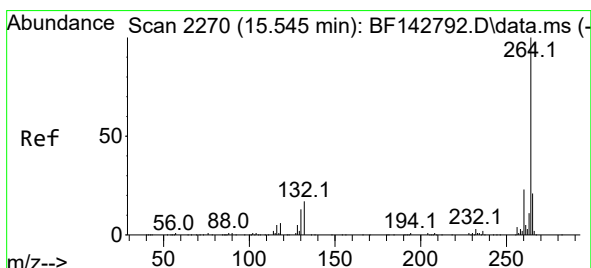
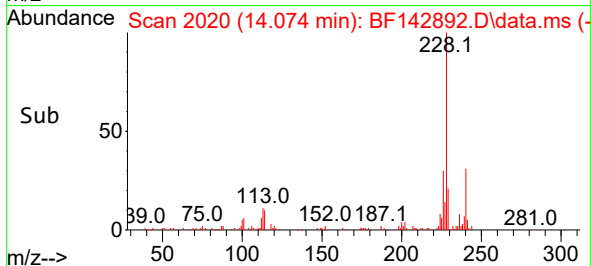
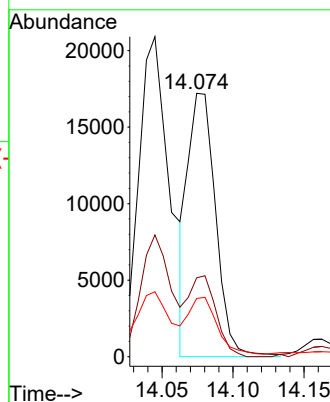
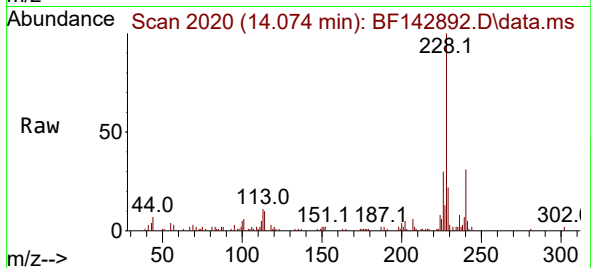
Tgt Ion:228 Resp: 23444

Ion Ratio Lower Upper

228 100

226 30.0 23.7 35.5

229 22.1 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2270

Delta R.T. 0.000 min

Lab File: BF142892.D

Acq: 27 Jun 2025 14:47

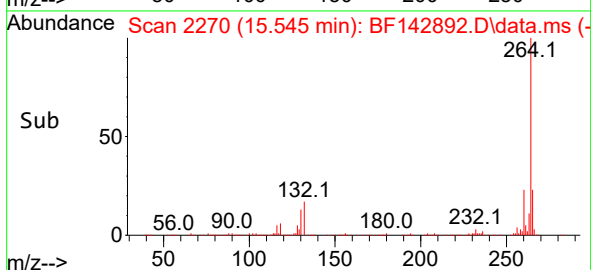
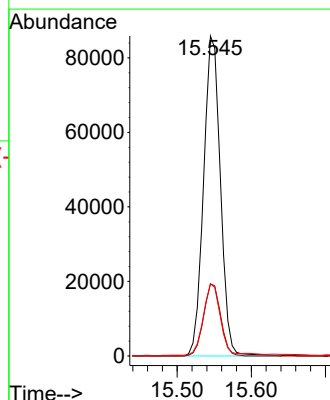
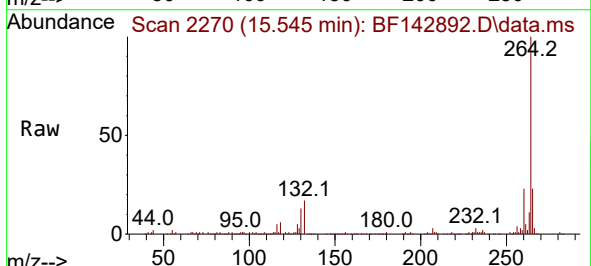
Tgt Ion:264 Resp: 135290

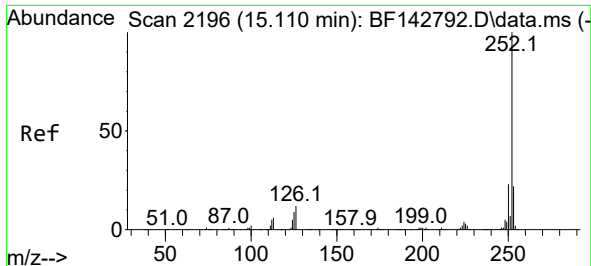
Ion Ratio Lower Upper

264 100

260 22.6 18.1 27.1

265 22.5 16.6 25.0

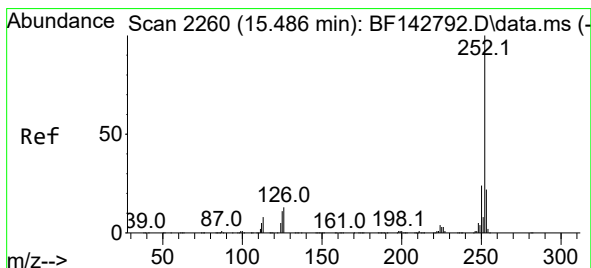
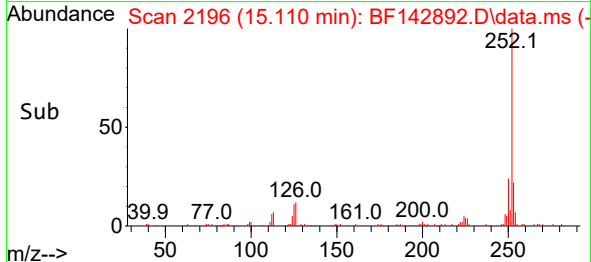
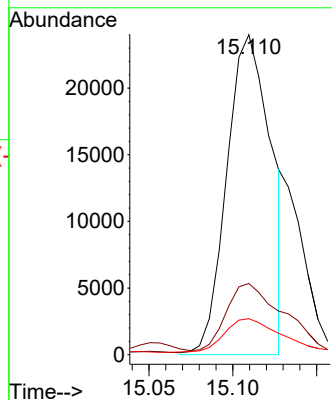
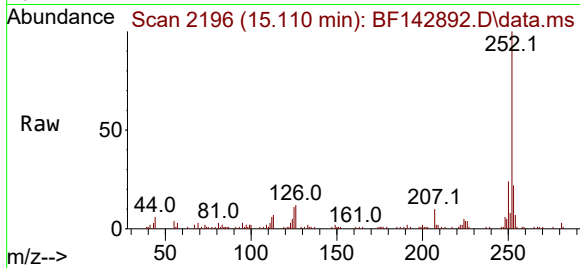




#88
Benzo(b)fluoranthene
Concen: 5.618 ng m
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

Instrument :
BNA_F
ClientSampleId :
TP-34

Tgt Ion:252 Resp: 43981
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 11.3 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 3.287 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF142892.D
Acq: 27 Jun 2025 14:47

Tgt Ion:252 Resp: 24857
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 11.6 8.6 12.8

