

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082825\
 Data File : BF143621.D
 Acq On : 28 Aug 2025 20:41
 Operator : RC/JU
 Sample : Q2970-19
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP9

Quant Time: Aug 29 01:10:14 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 26 16:30:52 2025
 Response via : Initial Calibration

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

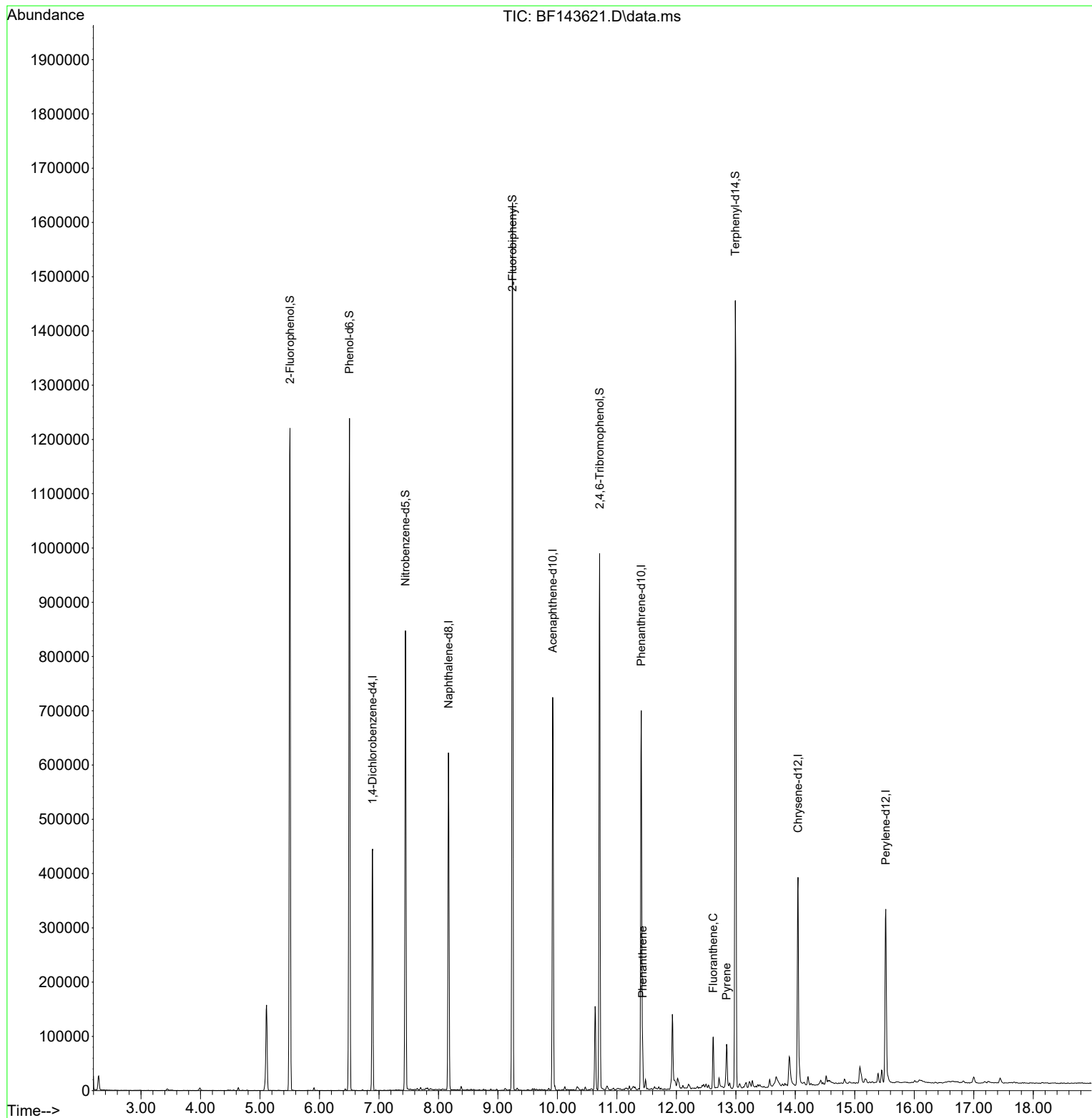
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	98025	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	380033	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	217278	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	355783	20.000	ng	0.00
76) Chrysene-d12	14.045	240	176219	20.000	ng	0.00
86) Perylene-d12	15.521	264	191686	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	456347	79.234	ng	0.00
7) Phenol-d6	6.504	99	587371	82.340	ng	0.00
23) Nitrobenzene-d5	7.445	82	360155	67.666	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	166537	98.012	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	725621	57.099	ng	0.00
79) Terphenyl-d14	12.992	244	713737	72.682	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.433	178	46524	2.442	ng	97
75) Fluoranthene	12.621	202	54887	3.156	ng	99
78) Pyrene	12.845	202	45658	3.096	ng	97

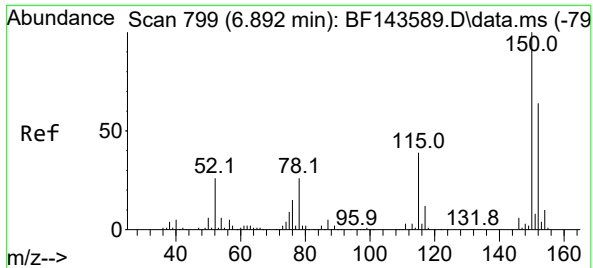
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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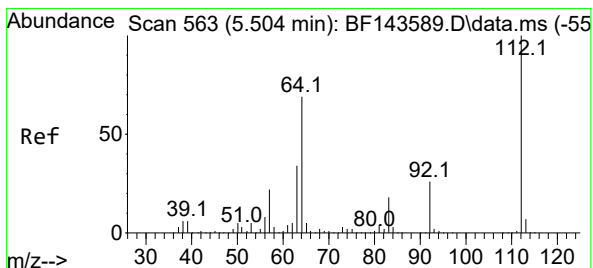
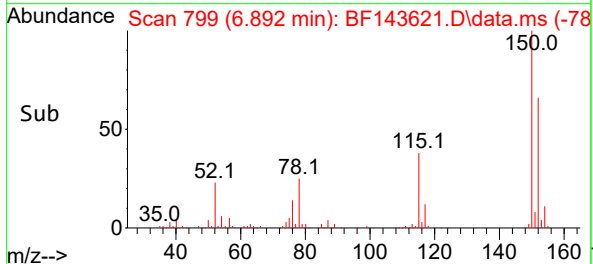
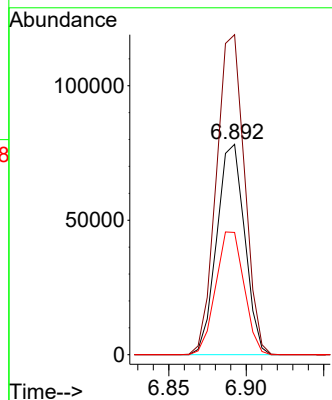
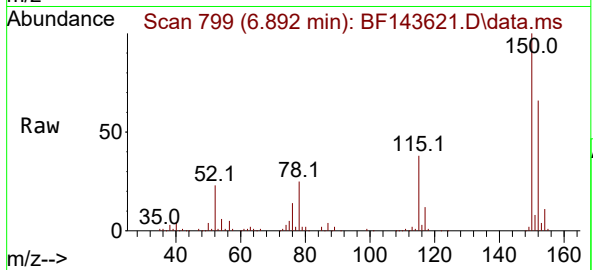




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: BF143621.D
 Acq: 28 Aug 2025 20:41

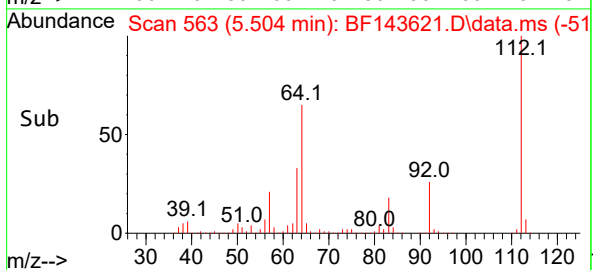
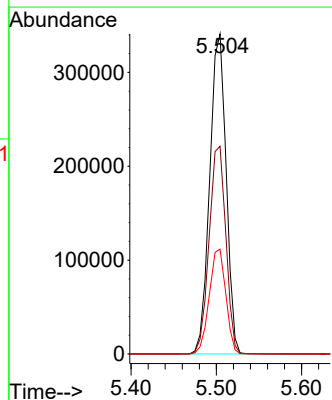
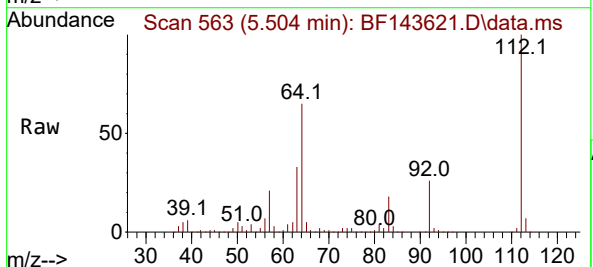
Instrument :
 BNA_F
 ClientSampleId :
 TP9

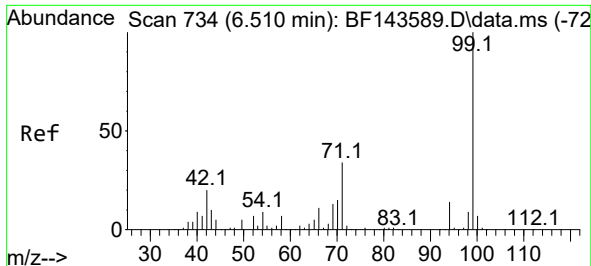
Tgt Ion:152 Resp: 98025
 Ion Ratio Lower Upper
 152 100
 150 152.1 124.9 187.3
 115 58.1 48.0 72.0



#5
 2-Fluorophenol
 Concen: 79.234 ng
 RT: 5.504 min Scan# 563
 Delta R.T. 0.000 min
 Lab File: BF143621.D
 Acq: 28 Aug 2025 20:41

Tgt Ion:112 Resp: 456347
 Ion Ratio Lower Upper
 112 100
 64 64.9 54.8 82.2
 63 32.7 27.6 41.4

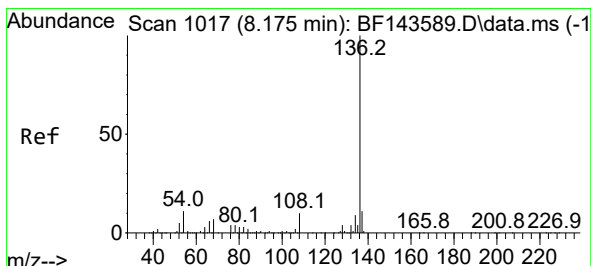
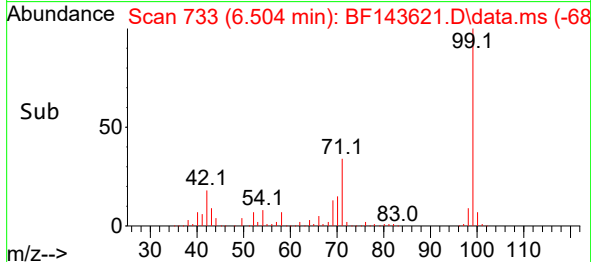
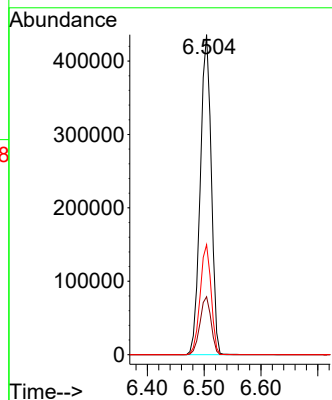
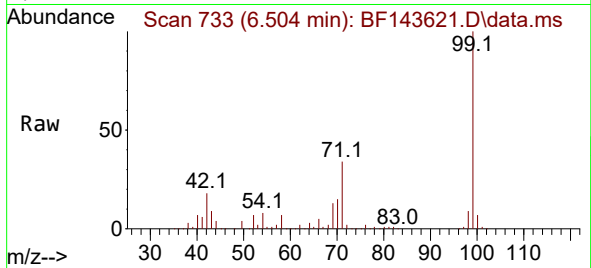




#7
Phenol-d6
Concen: 82.340 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

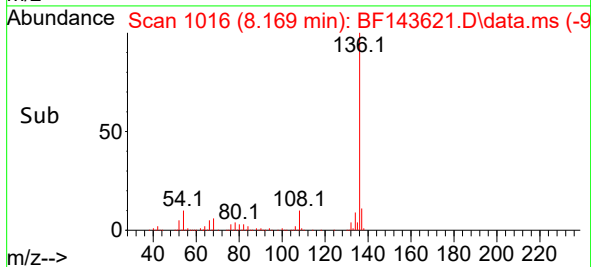
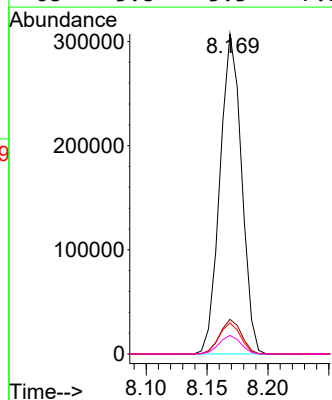
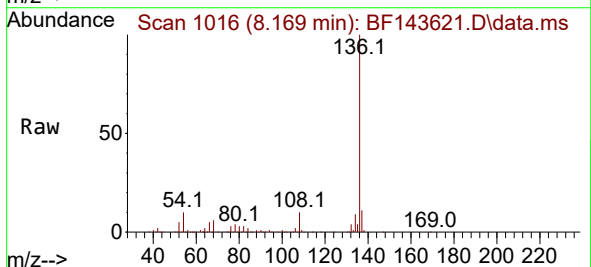
Instrument :
BNA_F
ClientSampleId :
TP9

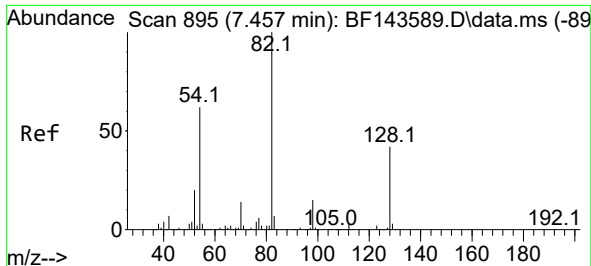
Tgt Ion: 99 Resp: 587371
Ion Ratio Lower Upper
99 100
42 18.1 15.9 23.9
71 34.4 27.2 40.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

Tgt Ion: 136 Resp: 380033
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 9.7 9.0 13.6
68 5.8 5.3 7.9





#23

Nitrobenzene-d5

Concen: 67.666 ng

RT: 7.445 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF143621.D

Acq: 28 Aug 2025 20:41

Instrument :

BNA_F

ClientSampleId :

TP9

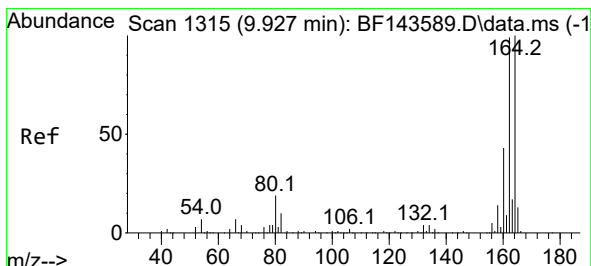
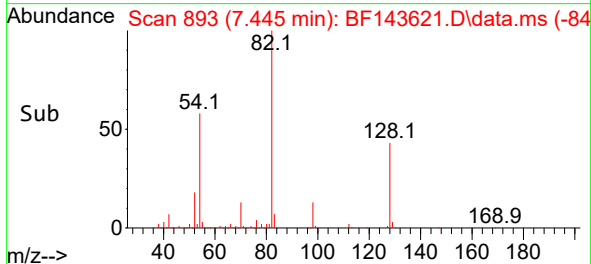
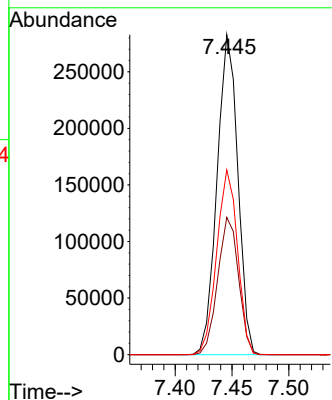
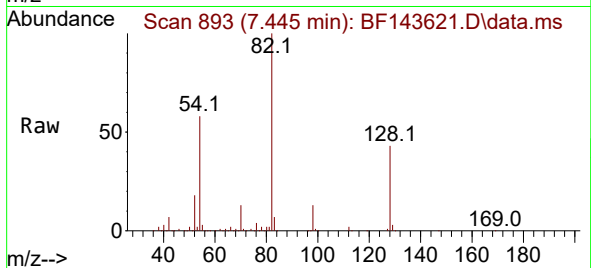
Tgt Ion: 82 Resp: 360155

Ion Ratio Lower Upper

82 100

128 42.9 33.4 50.2

54 57.8 49.3 73.9



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF143621.D

Acq: 28 Aug 2025 20:41

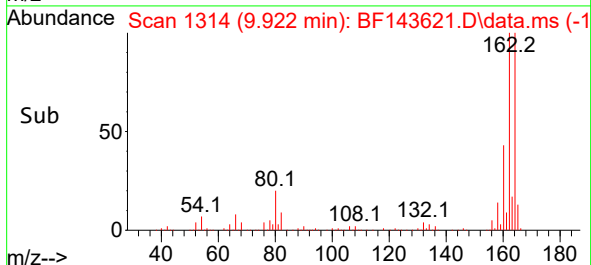
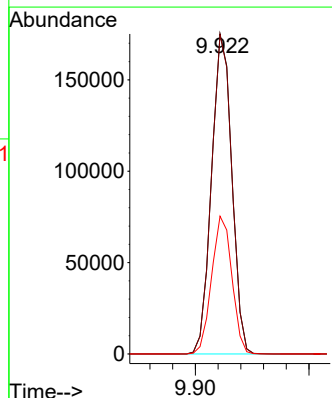
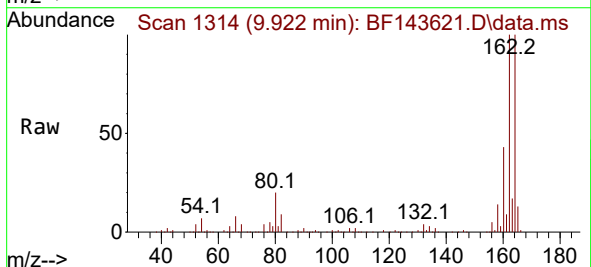
Tgt Ion:164 Resp: 217278

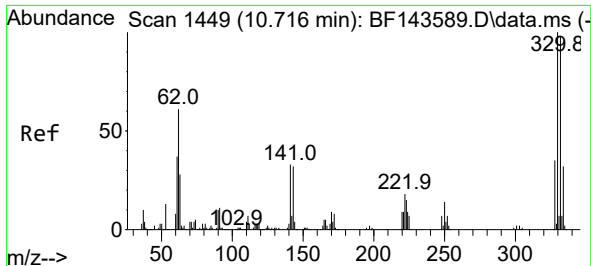
Ion Ratio Lower Upper

164 100

162 99.8 79.5 119.3

160 43.1 34.2 51.4

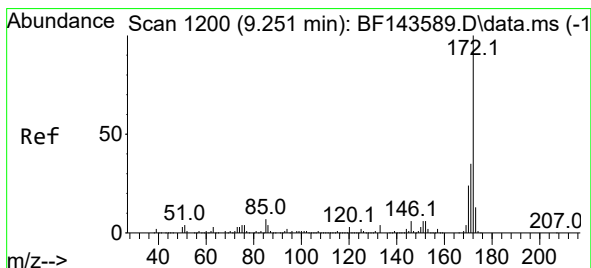
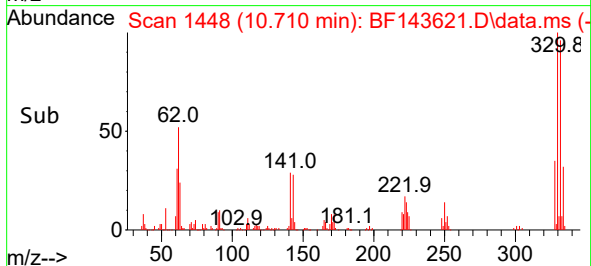
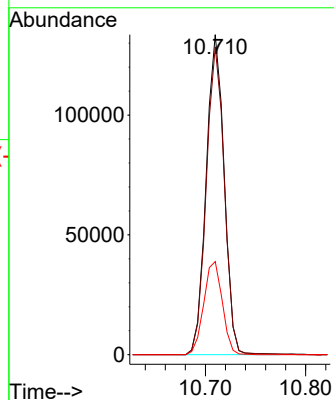
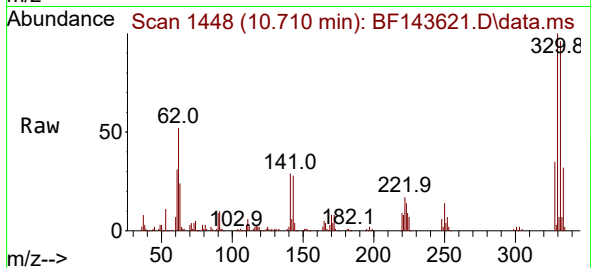




#42
2,4,6-Tribromophenol
Concen: 98.012 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

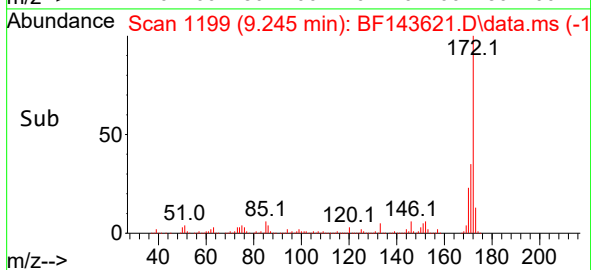
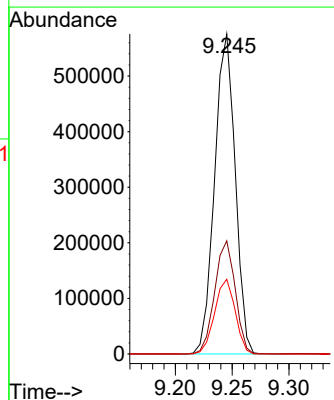
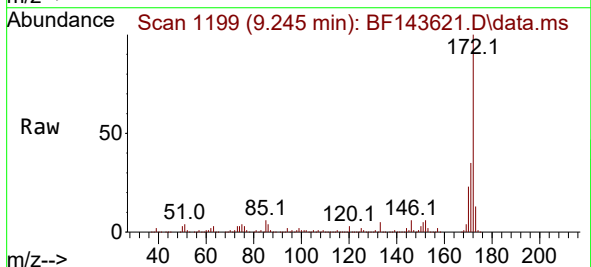
Instrument :
BNA_F
ClientSampleId :
TP9

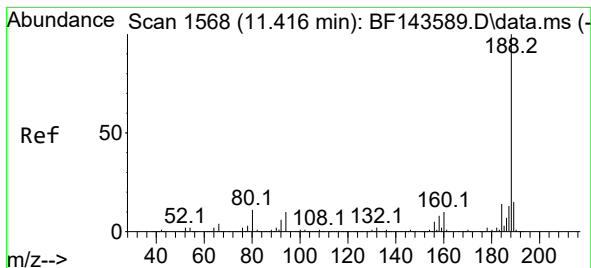
Tgt Ion:330 Resp: 166537
Ion Ratio Lower Upper
330 100
332 96.5 78.2 117.4
141 30.1 25.4 38.0



#45
2-Fluorobiphenyl
Concen: 57.099 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

Tgt Ion:172 Resp: 725621
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 23.3 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143621.D

Acq: 28 Aug 2025 20:41

Instrument :

BNA_F

ClientSampleId :

TP9

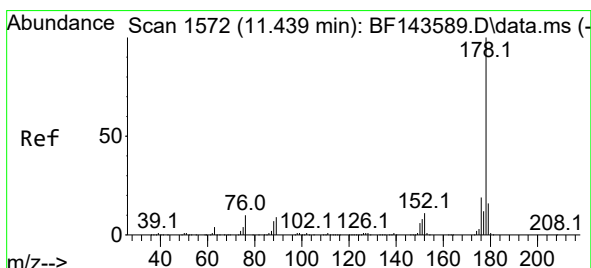
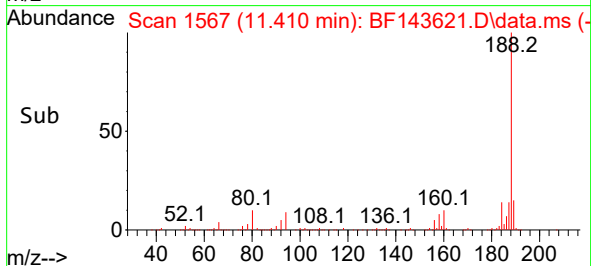
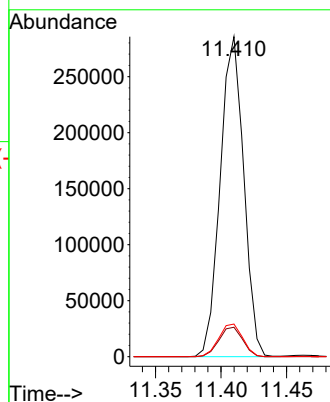
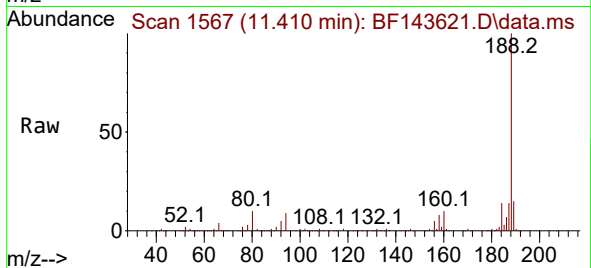
Tgt Ion:188 Resp: 355783

Ion Ratio Lower Upper

188 100

94 9.2 8.2 12.4

80 10.2 8.9 13.3



#71

Phenanthrene

Concen: 2.442 ng

RT: 11.433 min Scan# 1571

Delta R.T. -0.006 min

Lab File: BF143621.D

Acq: 28 Aug 2025 20:41

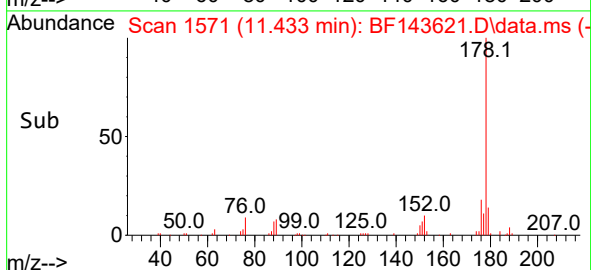
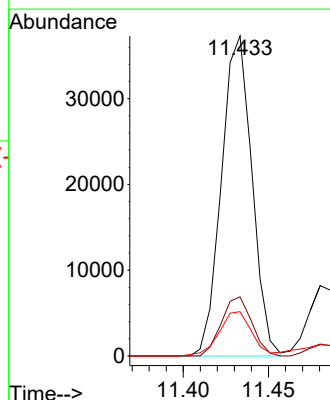
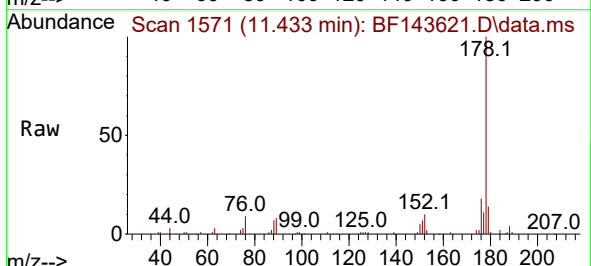
Tgt Ion:178 Resp: 46524

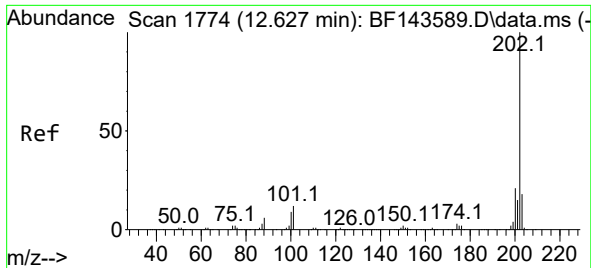
Ion Ratio Lower Upper

178 100

176 18.5 15.6 23.4

179 13.9 12.5 18.7

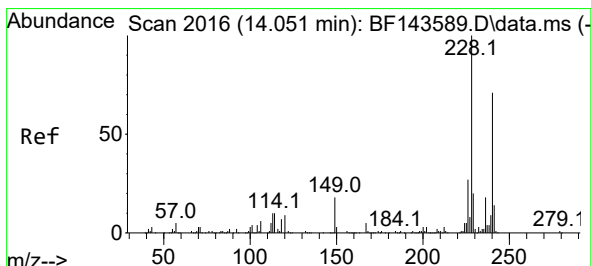
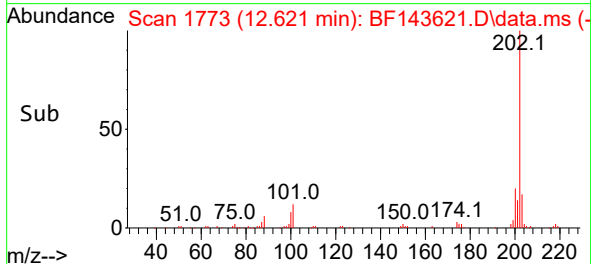
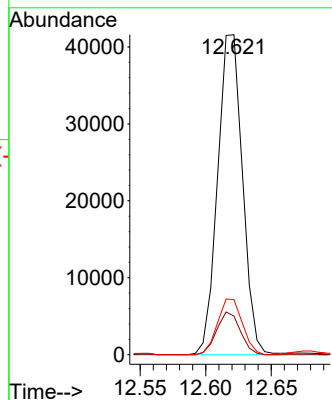
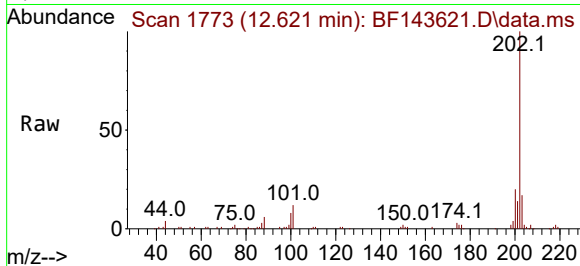




#75
Fluoranthene
Concen: 3.156 ng
RT: 12.621 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

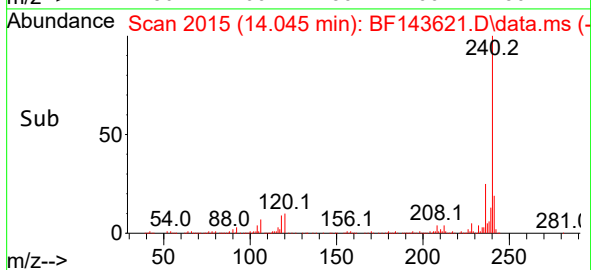
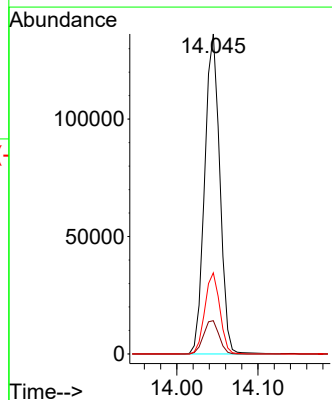
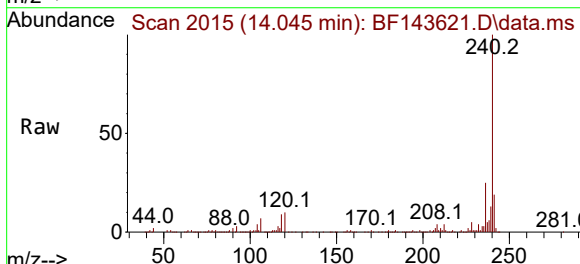
Instrument :
BNA_F
ClientSampleId :
TP9

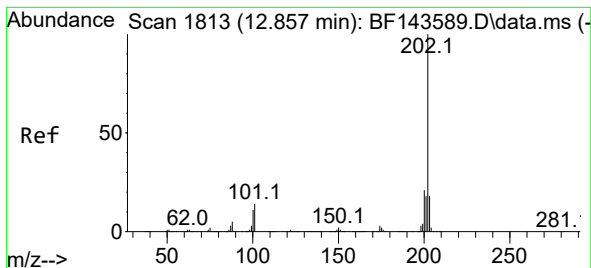
Tgt Ion:202 Resp: 54887
Ion Ratio Lower Upper
202 100
101 12.1 0.0 32.3
203 17.2 0.0 37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

Tgt Ion:240 Resp: 176219
Ion Ratio Lower Upper
240 100
120 10.4 9.6 14.4
236 25.3 20.2 30.2





#78

Pyrene

Concen: 3.096 ng

RT: 12.845 min Scan# 1811

Delta R.T. -0.012 min

Lab File: BF143621.D

Acq: 28 Aug 2025 20:41

Instrument :

BNA_F

ClientSampleId :

TP9

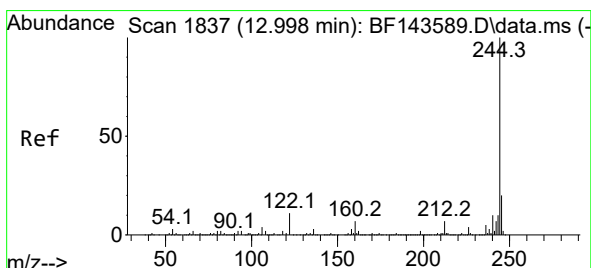
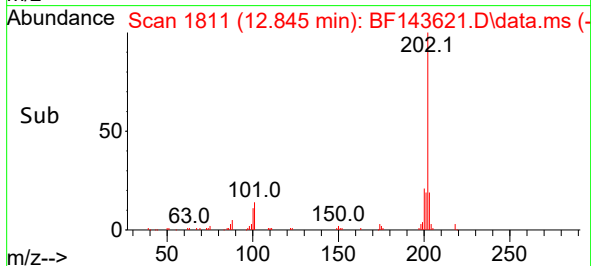
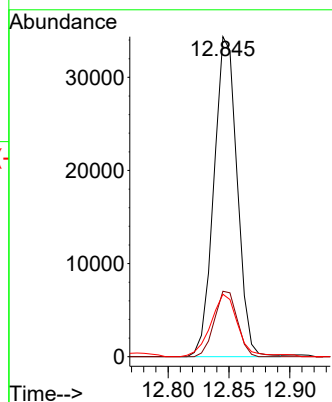
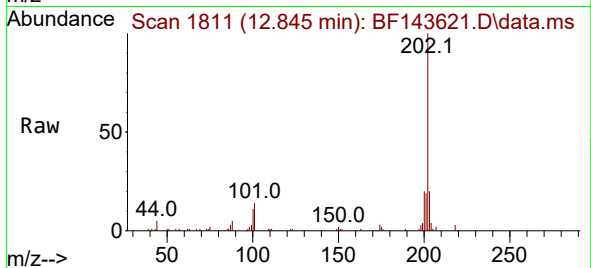
Tgt Ion:202 Resp: 45658

Ion Ratio Lower Upper

202 100

200 20.5 17.0 25.4

203 19.5 14.2 21.4



#79

Terphenyl-d14

Concen: 72.682 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF143621.D

Acq: 28 Aug 2025 20:41

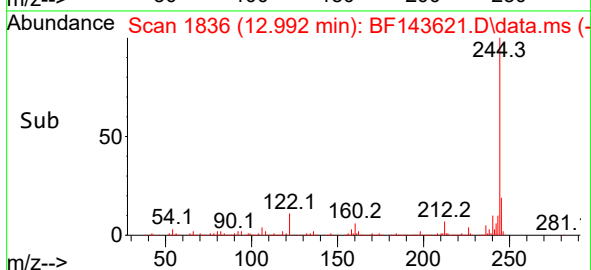
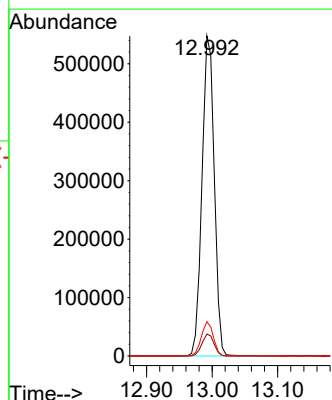
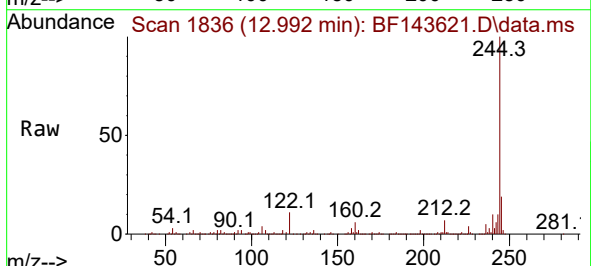
Tgt Ion:244 Resp: 713737

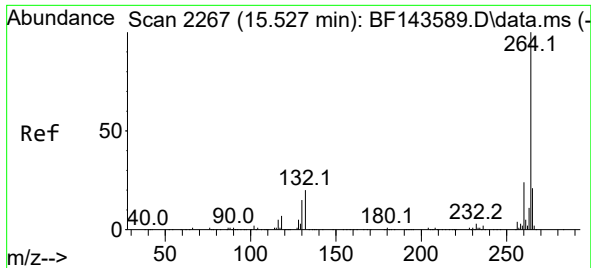
Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

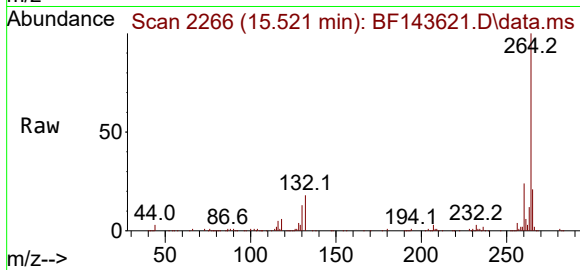
122 10.7 8.8 13.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143621.D
Acq: 28 Aug 2025 20:41

Instrument :
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ClientSampleId :
TP9



Tgt Ion:264 Resp: 191686
Ion Ratio Lower Upper
264 100
260 24.4 18.9 28.3
265 21.4 17.0 25.4

