

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142650.D
 Acq On : 06 Jun 2025 17:01
 Operator : RC/JU
 Sample : Q2176-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-31

Quant Time: Jun 06 19:00:25 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

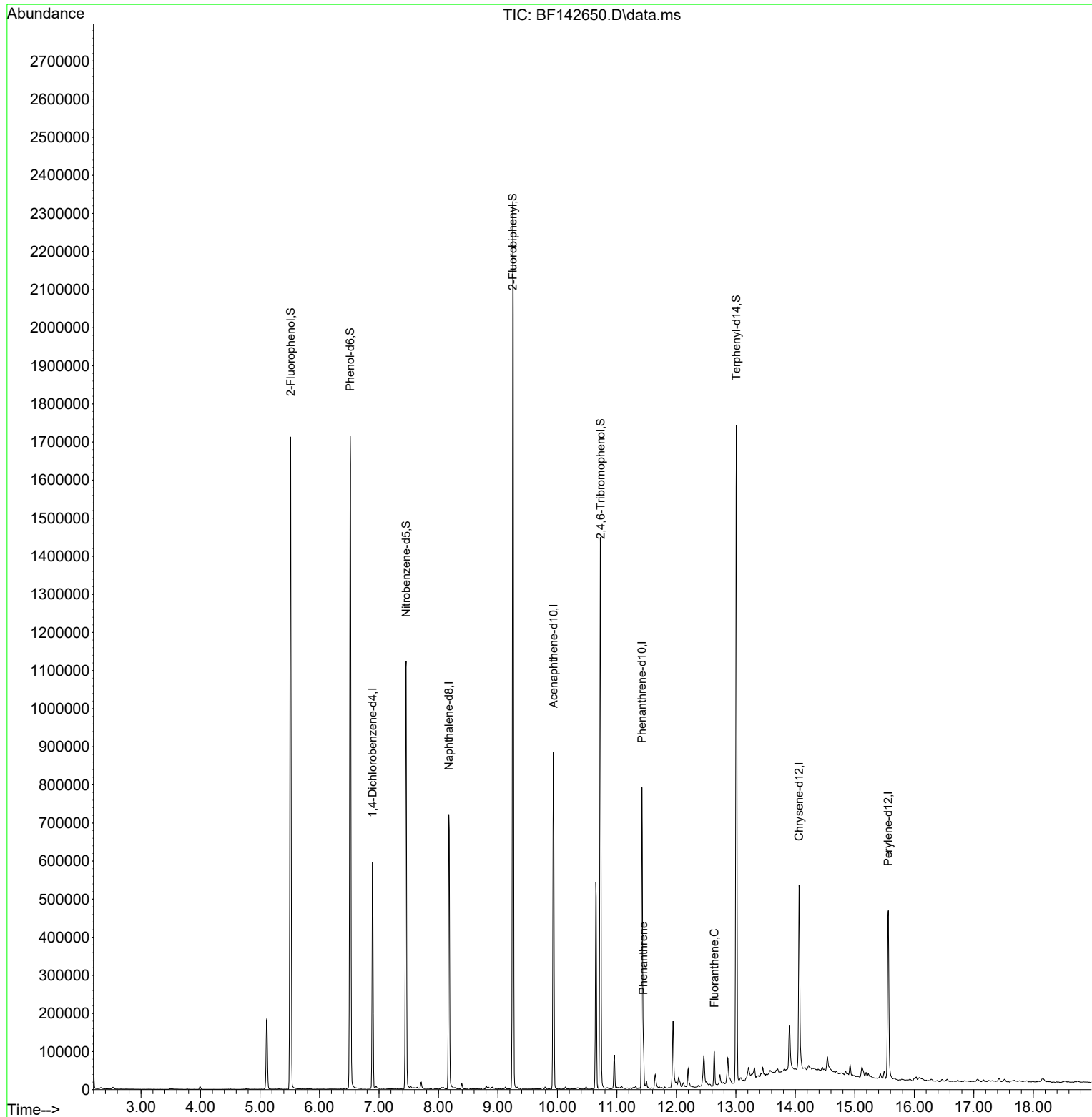
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	128783	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	488985	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	263890	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	414083	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	237224	20.000	ng	#-0.01
86) Perylene-d12	15.563	264	279177	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	695562	90.994	ng	0.00
7) Phenol-d6	6.516	99	857099	93.147	ng	-0.02
23) Nitrobenzene-d5	7.457	82	509358	56.801	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	268450	91.657	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	1053450	53.567	ng	-0.02
79) Terphenyl-d14	13.010	244	853397	49.160	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.445	178	57425	2.595	ng	100
75) Fluoranthene	12.639	202	52531	2.540	ng	96

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

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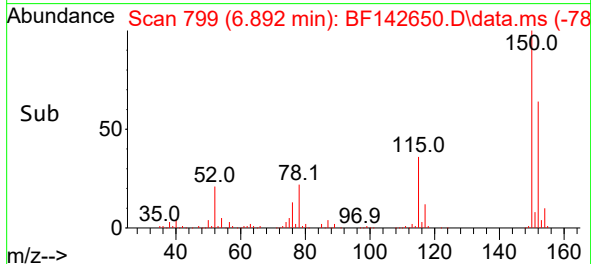
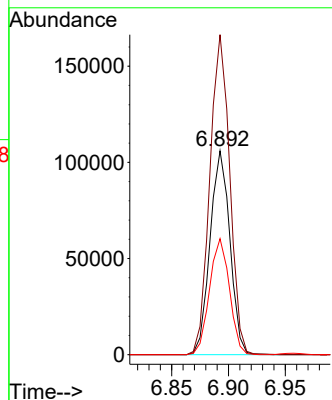
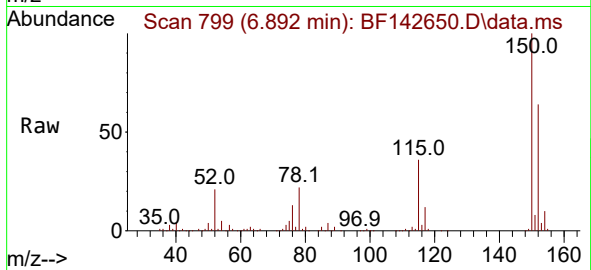




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

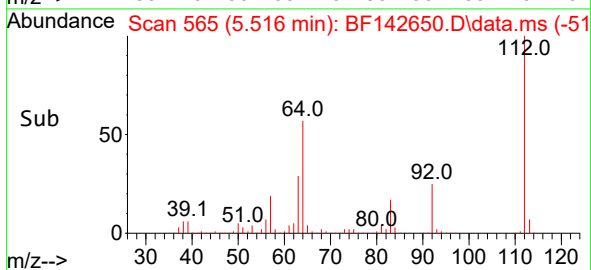
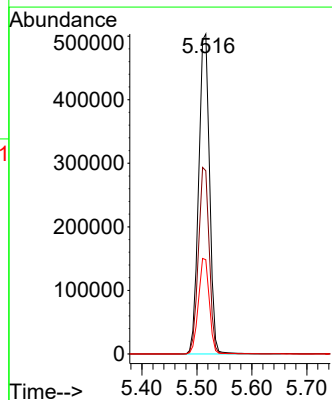
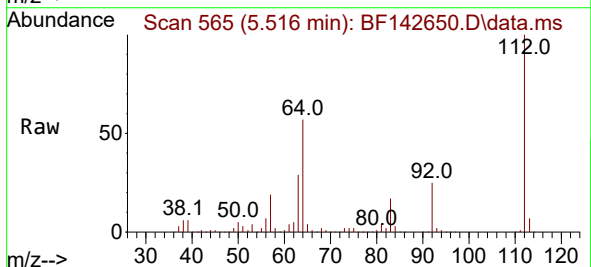
Instrument :
BNA_F
ClientSampleId :
TP-31

Tgt Ion:152 Resp: 128783
Ion Ratio Lower Upper
152 100
150 156.9 128.2 192.4
115 56.9 48.3 72.5



#5
2-Fluorophenol
Concen: 90.994 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.000 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion:112 Resp: 695562
Ion Ratio Lower Upper
112 100
64 57.3 47.5 71.3
63 29.4 24.9 37.3

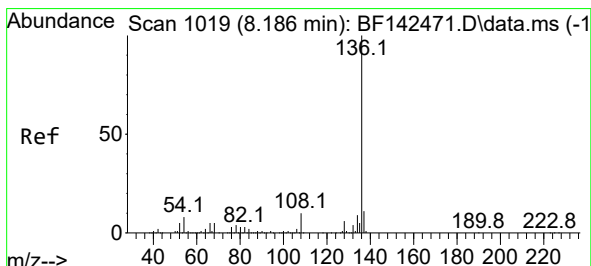
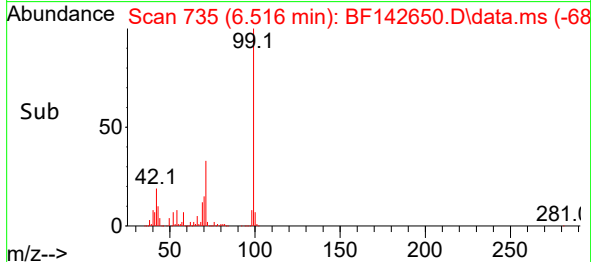
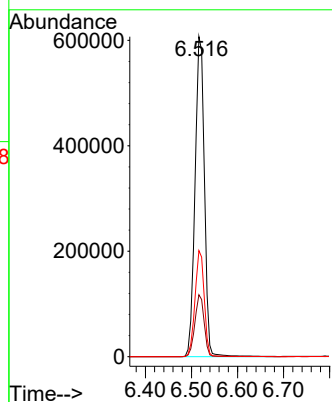
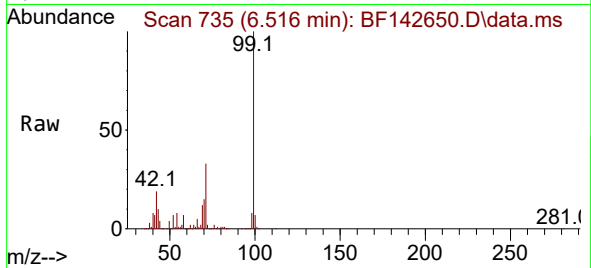




#7
Phenol-d6
Concen: 93.147 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

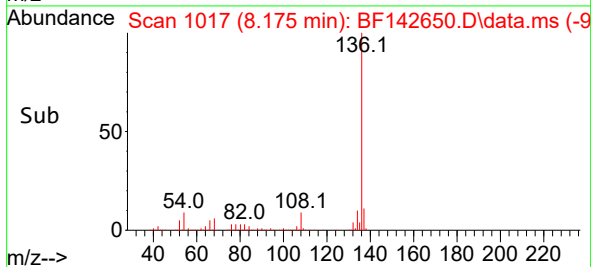
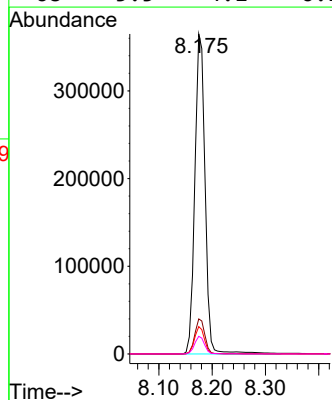
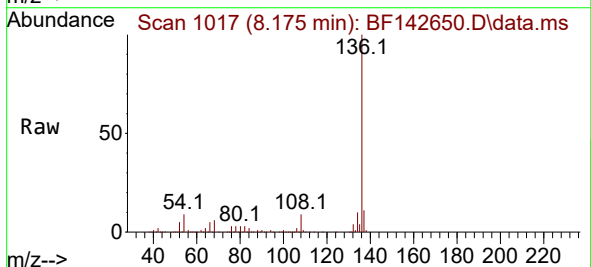
Instrument :
BNA_F
ClientSampleId :
TP-31

Tgt Ion: 99 Resp: 857099
Ion Ratio Lower Upper
99 100
42 19.4 16.2 24.2
71 33.2 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion: 136 Resp: 488985
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.6 6.6 10.0
68 5.5 4.1 6.1

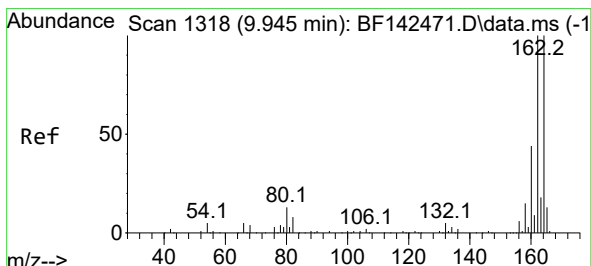
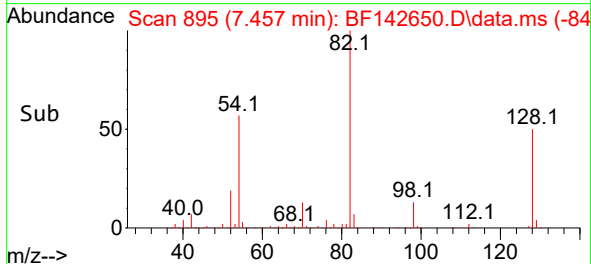
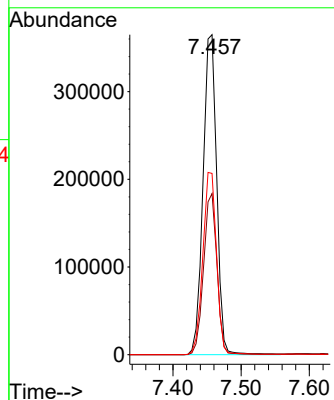
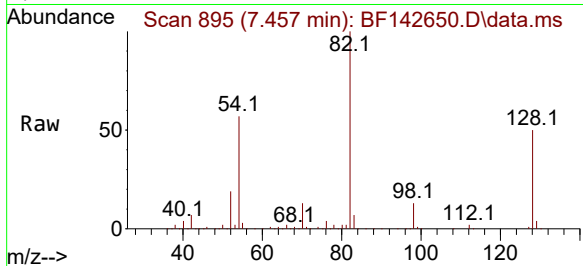




#23
Nitrobenzene-d5
Concen: 56.801 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

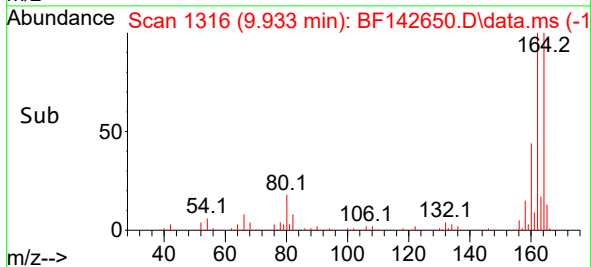
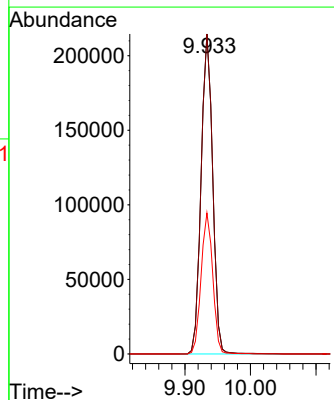
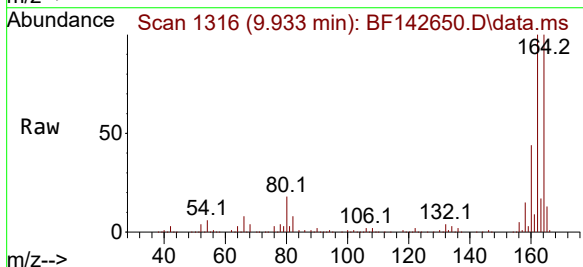
Instrument :
BNA_F
ClientSampleId :
TP-31

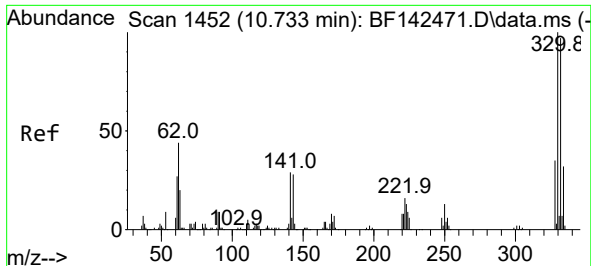
Tgt Ion: 82 Resp: 509358
Ion Ratio Lower Upper
82 100
128 50.3 37.4 56.2
54 56.6 46.6 70.0



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion:164 Resp: 263890
Ion Ratio Lower Upper
164 100
162 99.9 80.2 120.4
160 44.1 35.6 53.4

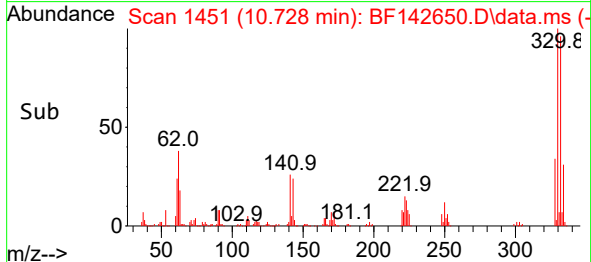
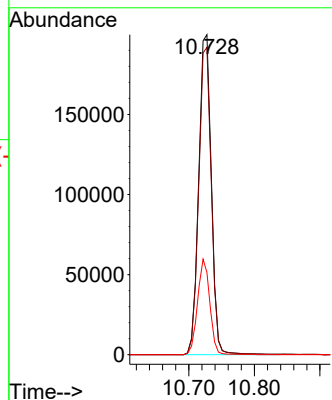
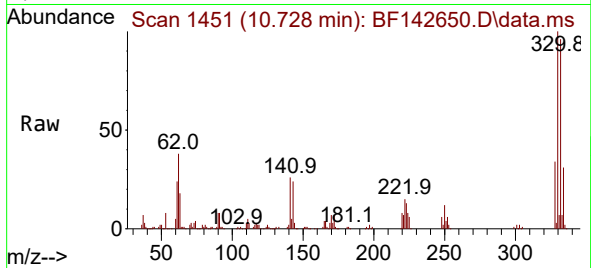




#42
2,4,6-Tribromophenol
Concen: 91.657 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

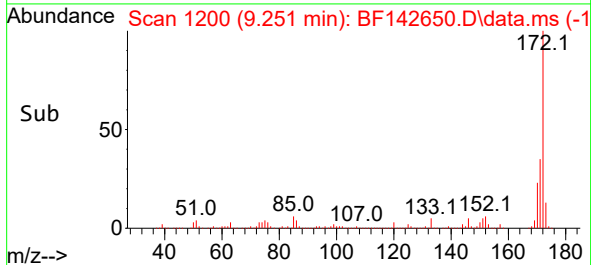
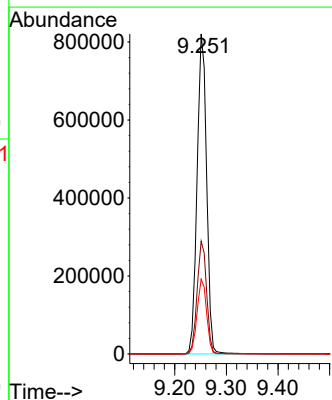
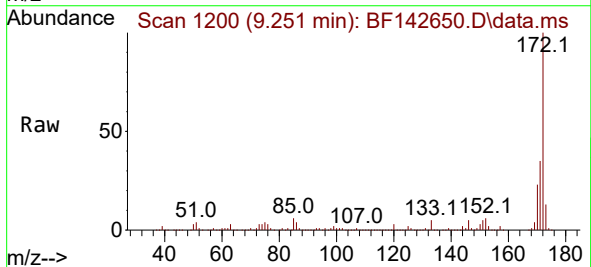
Instrument :
BNA_F
ClientSampleId :
TP-31

Tgt Ion:330 Resp: 268450
Ion Ratio Lower Upper
330 100
332 95.8 77.6 116.4
141 28.8 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 53.567 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.017 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion:172 Resp: 1053450
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.4 18.9 28.3

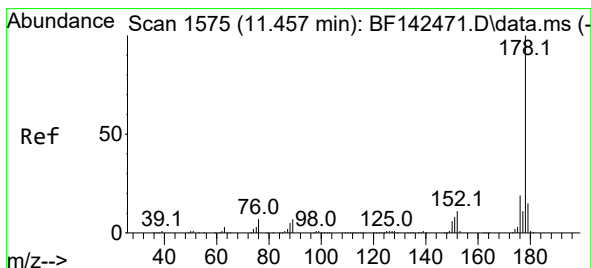
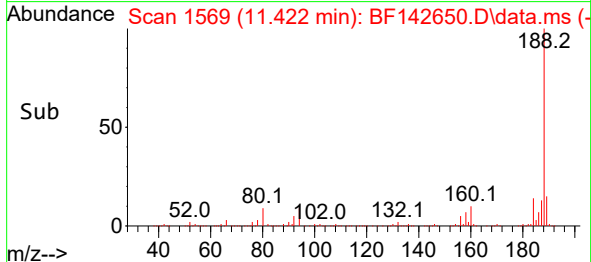
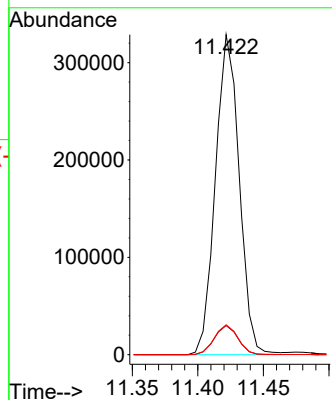
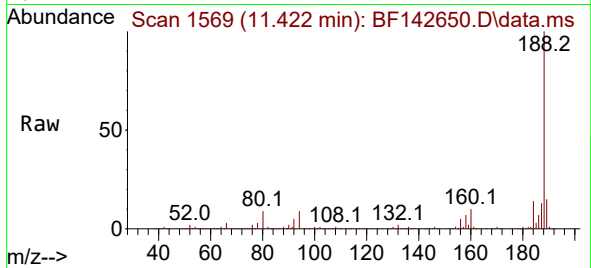




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

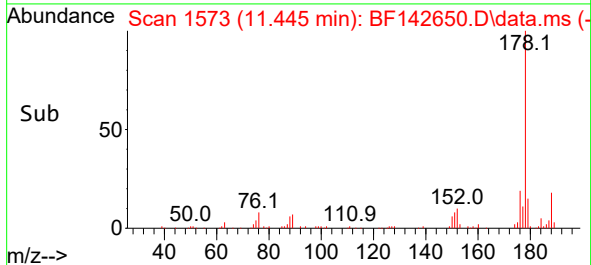
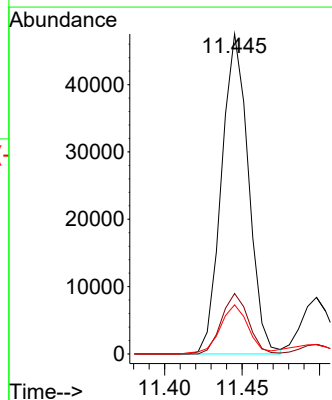
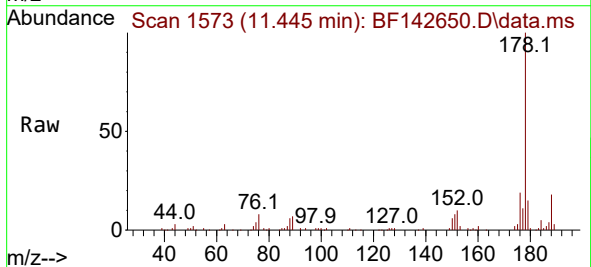
Instrument :
BNA_F
ClientSampleId :
TP-31

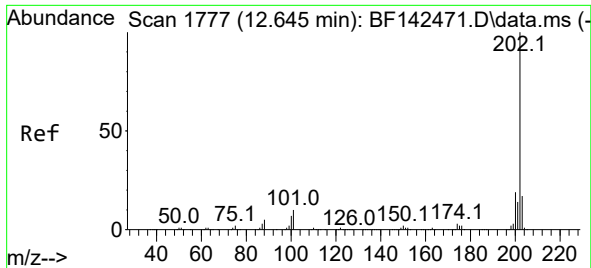
Tgt Ion:188 Resp: 414083
Ion Ratio Lower Upper
188 100
94 9.1 6.6 10.0
80 9.4 7.4 11.0



#71
Phenanthrene
Concen: 2.595 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion:178 Resp: 57425
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.3 12.3 18.5

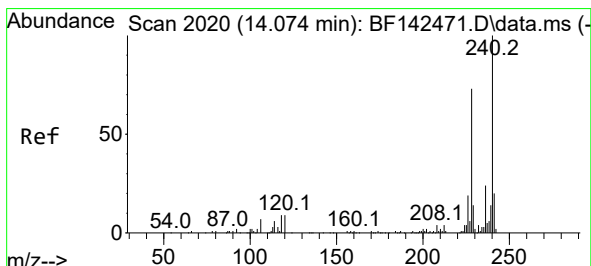
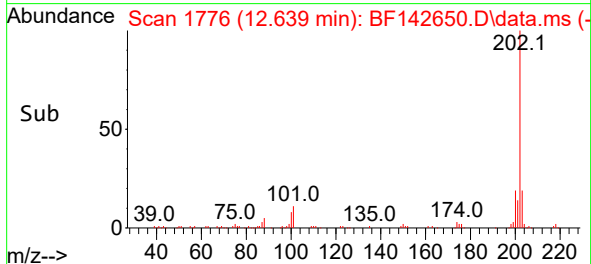
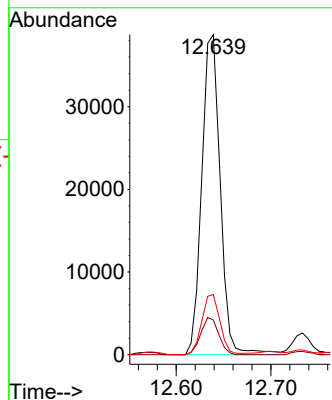
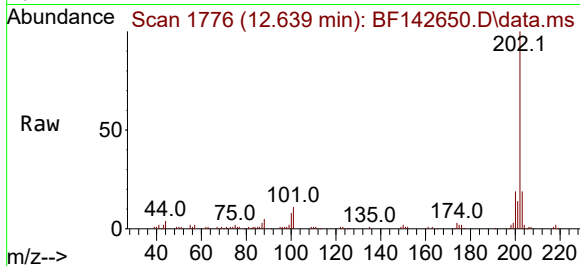




#75
Fluoranthene
Concen: 2.540 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

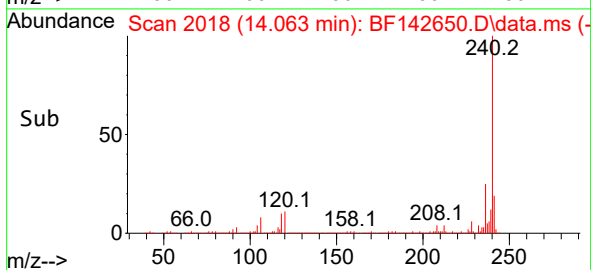
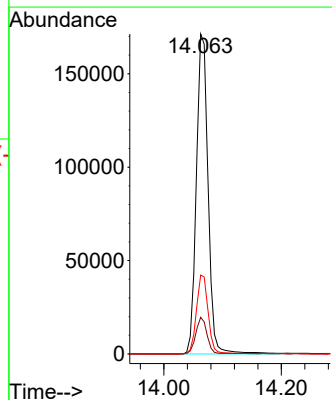
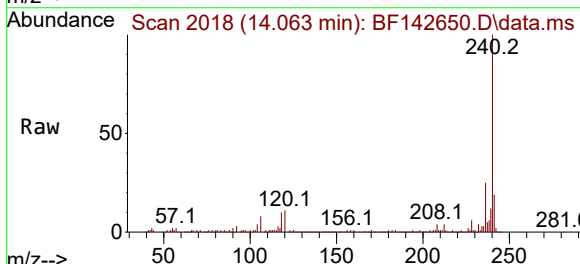
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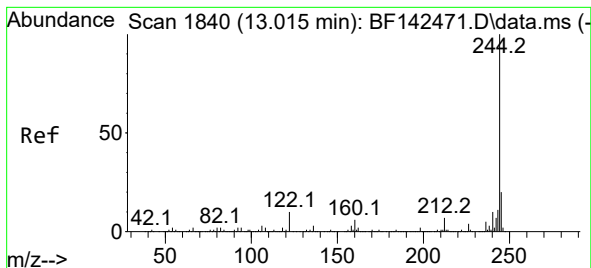
Tgt Ion:202 Resp: 52531
Ion Ratio Lower Upper
202 100
101 10.8 0.0 29.6
203 18.8 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142650.D
Acq: 06 Jun 2025 17:01

Tgt Ion:240 Resp: 237224
Ion Ratio Lower Upper
240 100
120 11.5 7.5 11.3#
236 24.6 19.6 29.4





#79

Terphenyl-d14

Concen: 49.160 ng

RT: 13.010 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF142650.D

Acq: 06 Jun 2025 17:01

Instrument :

BNA_F

ClientSampleId :

TP-31

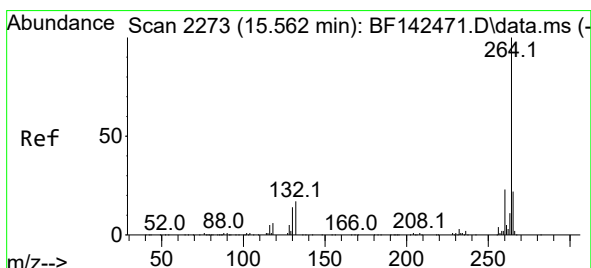
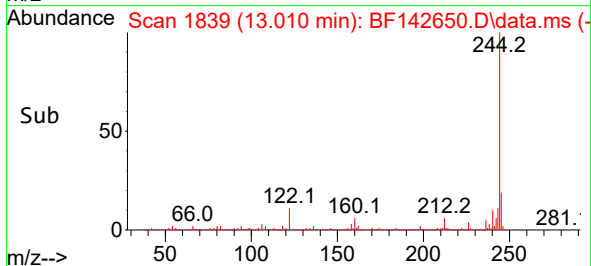
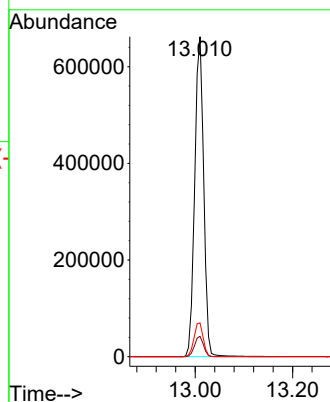
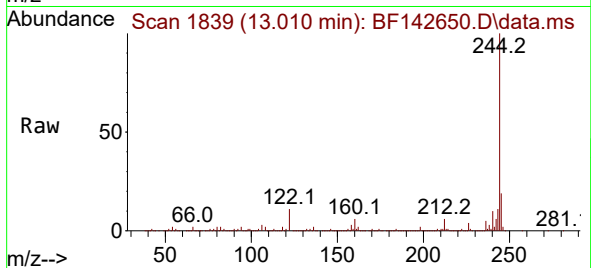
Tgt Ion:244 Resp: 853397

Ion Ratio Lower Upper

244 100

212 6.4 5.3 7.9

122 10.5 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF142650.D

Acq: 06 Jun 2025 17:01

Tgt Ion:264 Resp: 279177

Ion Ratio Lower Upper

264 100

260 23.1 18.6 28.0

265 20.9 17.7 26.5

