

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
 Data File : BF141822.D
 Acq On : 03 Mar 2025 19:44
 Operator : RC/JU
 Sample : Q1474-01 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-02282025

Quant Time: Mar 04 00:15:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

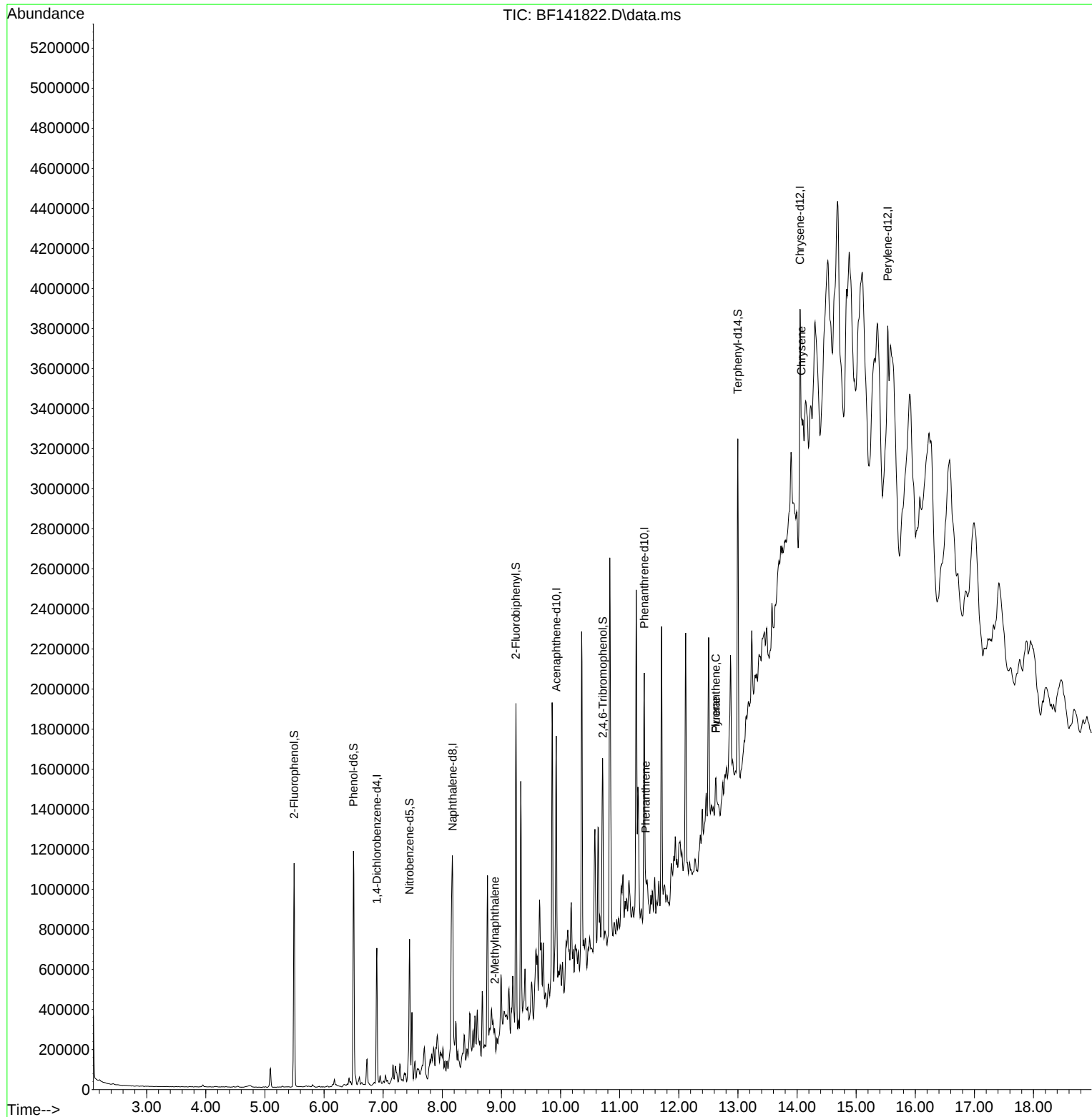
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	137918	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	547582	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	337851	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	594604	20.000	ng	0.00
76) Chrysene-d12	14.051	240	421178	20.000	ng	0.00
86) Perylene-d12	15.533	264	283962	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	402635	46.622	ng	0.00
7) Phenol-d6	6.498	99	513769	45.706	ng	-0.01
23) Nitrobenzene-d5	7.445	82	276161	32.237	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	143878	45.362	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	673389	31.959	ng	0.00
79) Terphenyl-d14	12.998	244	787385	30.247	ng	0.00
Target Compounds						
						Qvalue
37) 2-Methylnaphthalene	8.886	142	39003	2.113	ng	96
71) Phenanthrene	11.439	178	87969	2.766	ng	# 95
75) Fluoranthene	12.627	202	105065	3.224	ng	95
78) Pyrene	12.627	202	105174	2.884	ng	96
83) Chrysene	14.074	228	52954	2.065	ng	# 78

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

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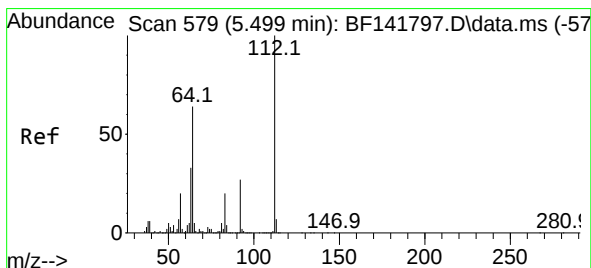
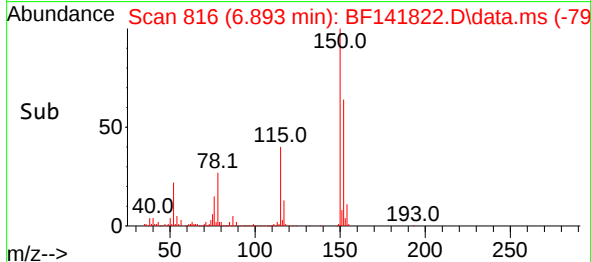
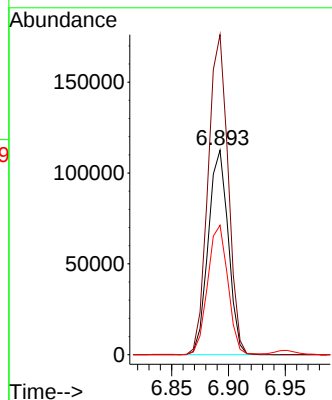
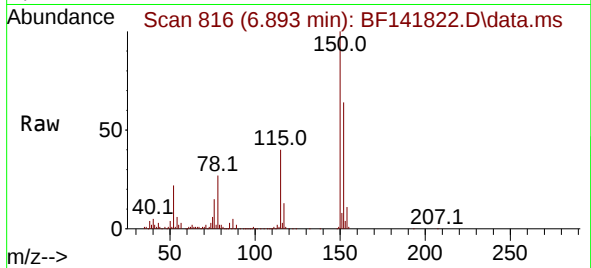




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.893 min Scan# 816
 Delta R.T. -0.000 min
 Lab File: BF141822.D
 Acq: 03 Mar 2025 19:44

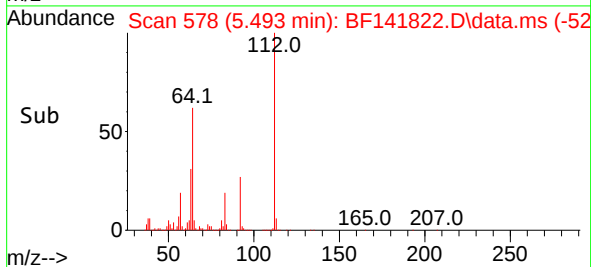
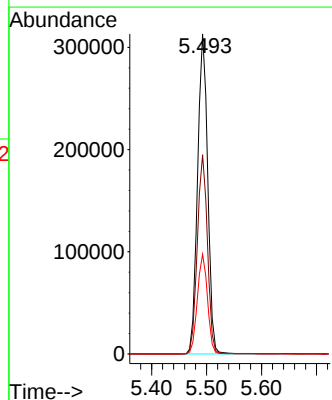
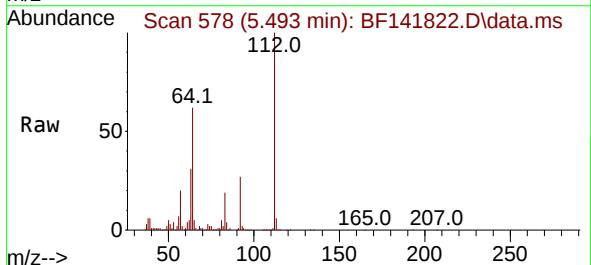
Instrument :
 BNA_F
 ClientSampleId :
 BU-03-02282025

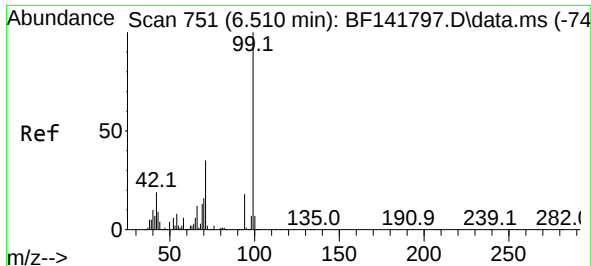
Tgt Ion:152 Resp: 137918
 Ion Ratio Lower Upper
 152 100
 150 156.5 127.5 191.3
 115 63.3 51.4 77.2



#5
 2-Fluorophenol
 Concen: 46.622 ng
 RT: 5.493 min Scan# 578
 Delta R.T. -0.006 min
 Lab File: BF141822.D
 Acq: 03 Mar 2025 19:44

Tgt Ion:112 Resp: 402635
 Ion Ratio Lower Upper
 112 100
 64 62.3 51.3 76.9
 63 31.2 26.2 39.4

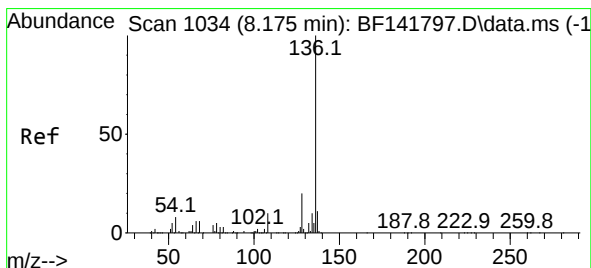
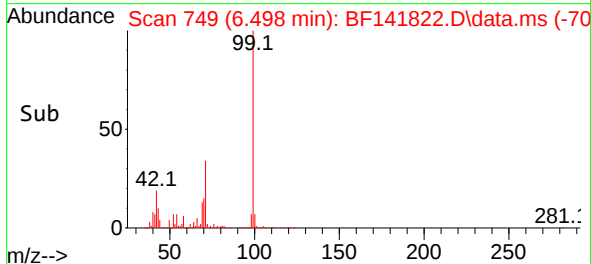
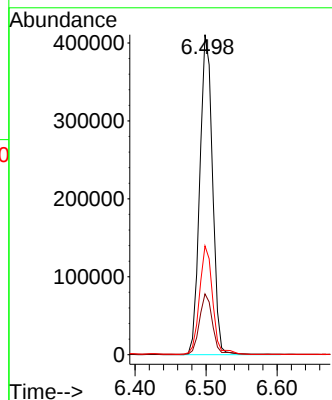
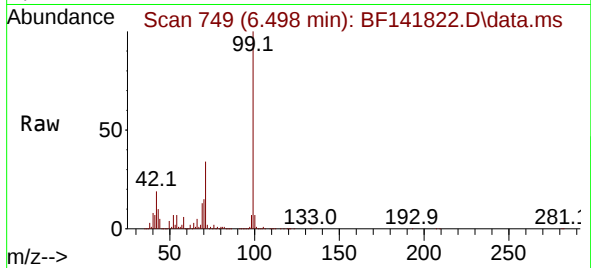




#7
Phenol-d6
Concen: 45.706 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF141822.D
Acq: 03 Mar 2025 19:44

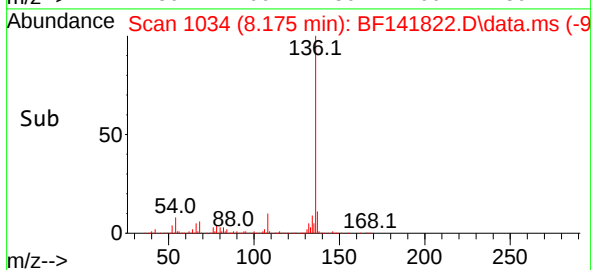
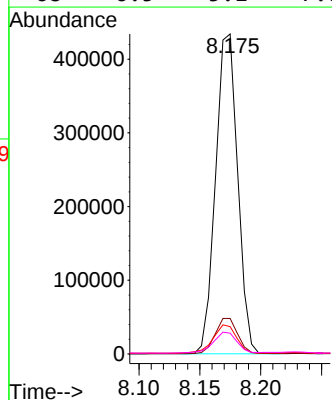
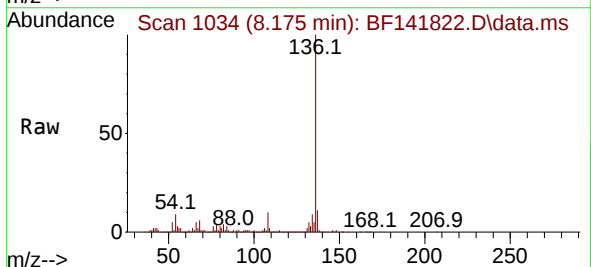
Instrument :
BNA_F
ClientSampleId :
BU-03-02282025

Tgt Ion: 99 Resp: 513769
Ion Ratio Lower Upper
99 100
42 19.0 15.2 22.8
71 34.0 28.2 42.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.000 min
Lab File: BF141822.D
Acq: 03 Mar 2025 19:44

Tgt Ion: 136 Resp: 547582
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.6 6.9 10.3
68 6.5 5.1 7.7





#23

Nitrobenzene-d5

Concen: 32.237 ng

RT: 7.445 min Scan# 911

Delta R.T. -0.006 min

Lab File: BF141822.D

Acq: 03 Mar 2025 19:44

Instrument :

BNA_F

ClientSampleId :

BU-03-02282025

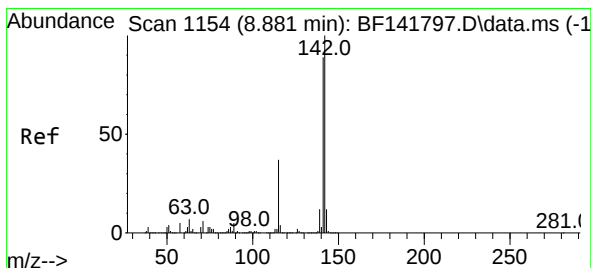
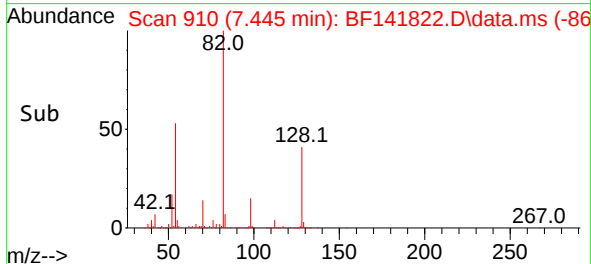
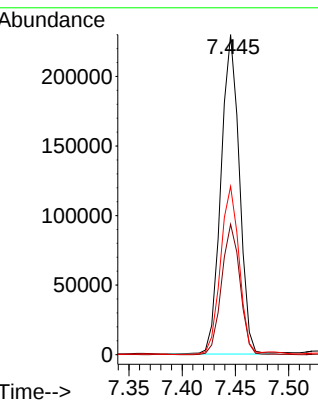
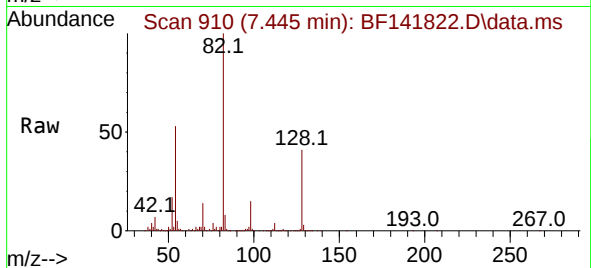
Tgt Ion: 82 Resp: 276161

Ion Ratio Lower Upper

82 100

128 40.7 33.5 50.3

54 52.6 42.7 64.1



#37

2-Methylnaphthalene

Concen: 2.113 ng

RT: 8.886 min Scan# 1155

Delta R.T. 0.006 min

Lab File: BF141822.D

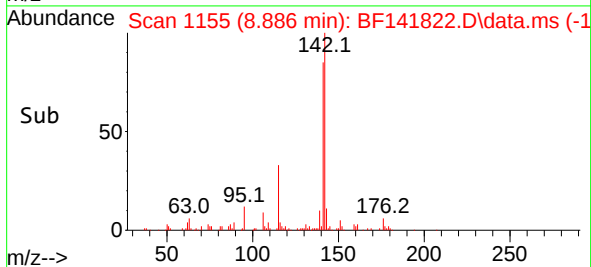
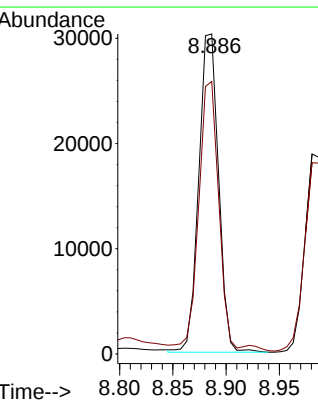
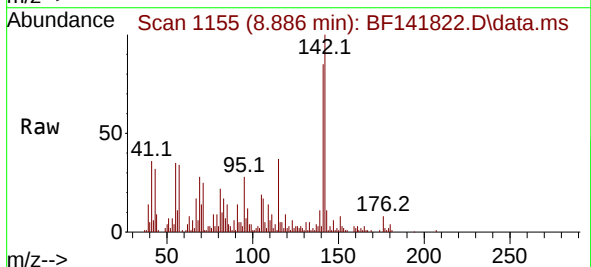
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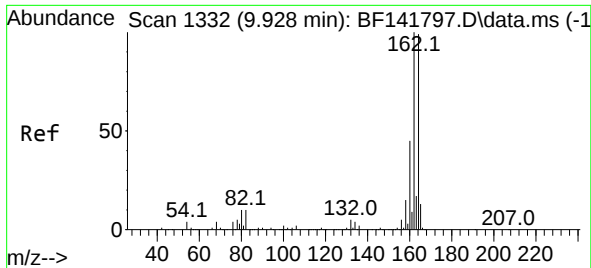
Tgt Ion: 142 Resp: 39003

Ion Ratio Lower Upper

142 100

141 85.2 71.1 106.7

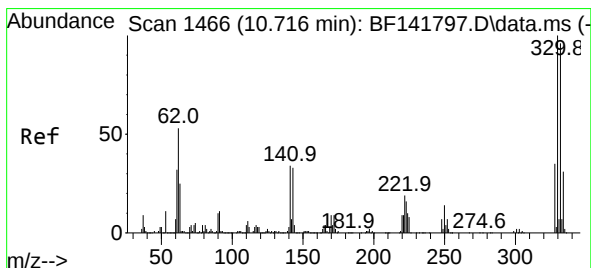
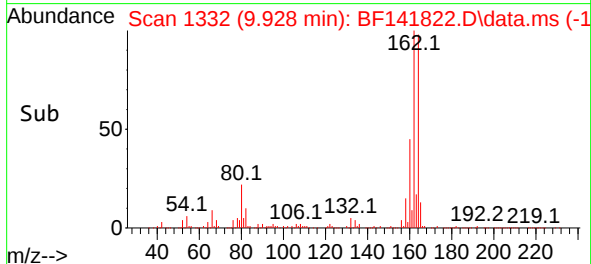
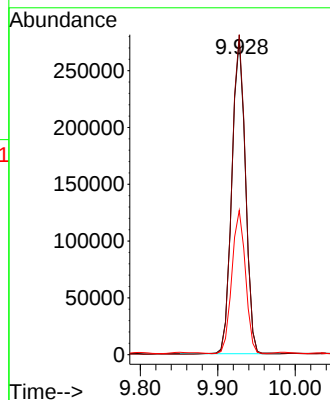
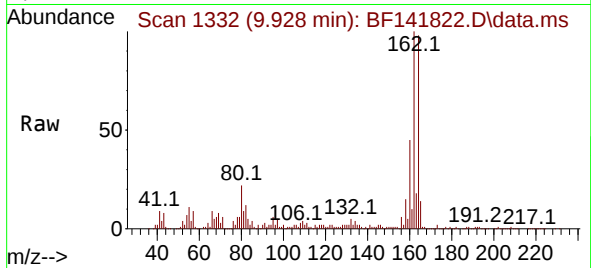




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF141822.D
Acq: 03 Mar 2025 19:44

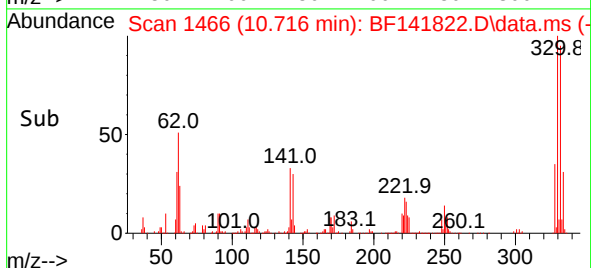
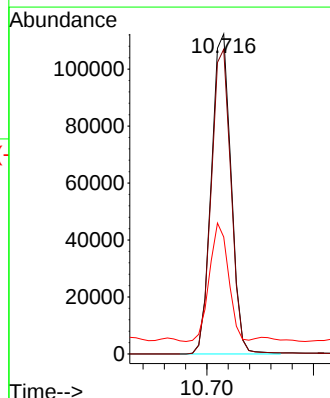
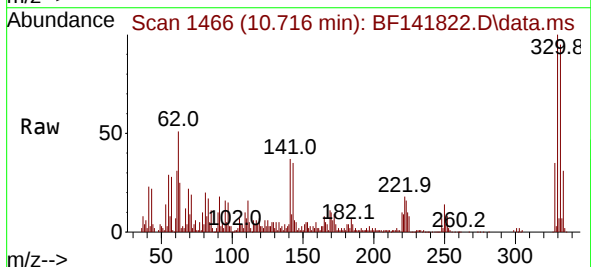
Instrument :
BNA_F
ClientSampleId :
BU-03-02282025

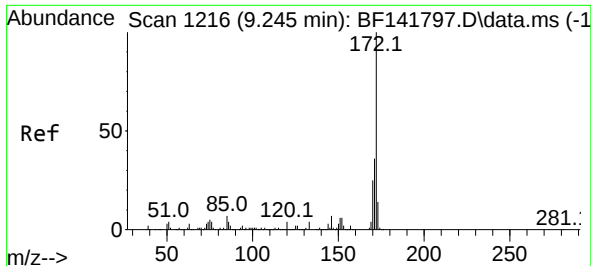
Tgt Ion:164 Resp: 337851
Ion Ratio Lower Upper
164 100
162 101.6 80.6 120.8
160 45.8 36.3 54.5



#42
2,4,6-Tribromophenol
Concen: 45.362 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BF141822.D
Acq: 03 Mar 2025 19:44

Tgt Ion:330 Resp: 143878
Ion Ratio Lower Upper
330 100
332 96.2 76.6 115.0
141 35.9 29.0 43.4

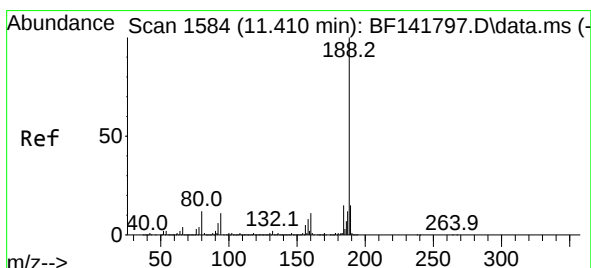
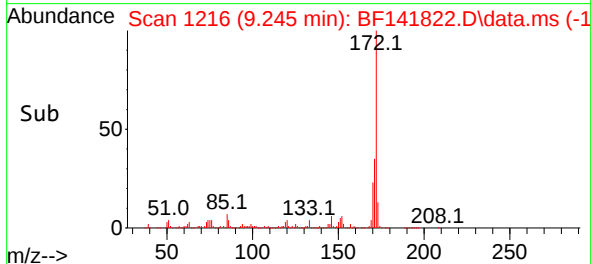
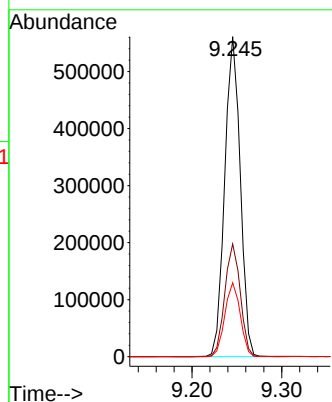
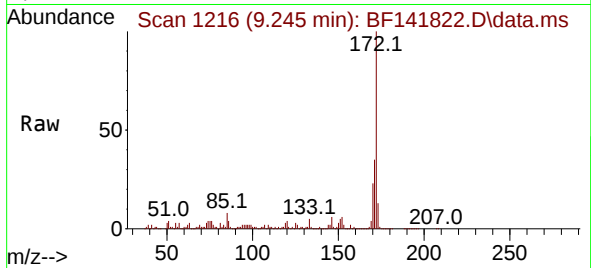




#45
2-Fluorobiphenyl
Concen: 31.959 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141822.D
Acq: 03 Mar 2025 19:44

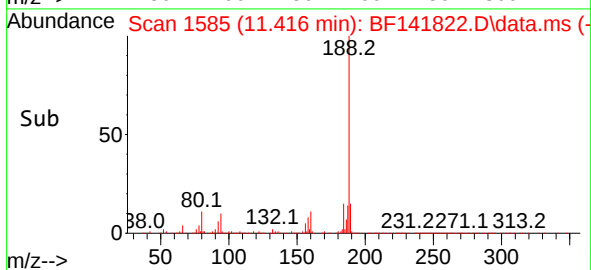
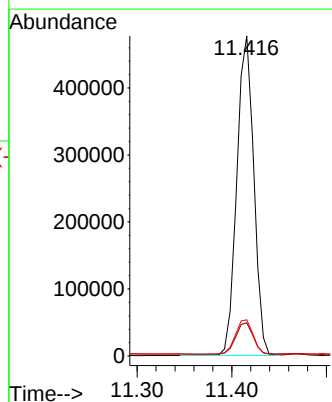
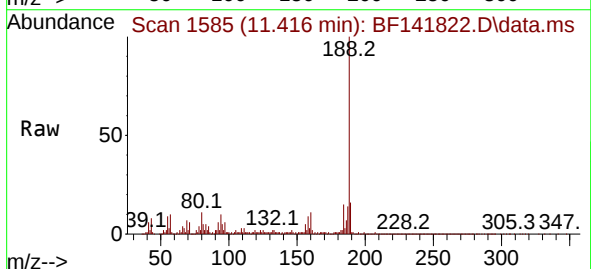
Instrument :
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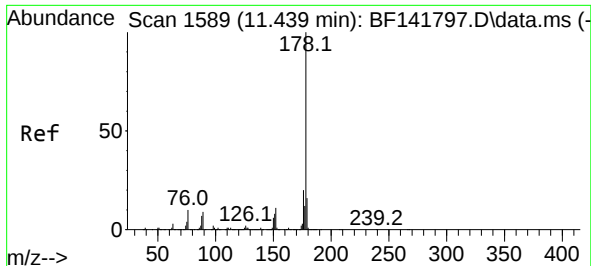
Tgt Ion:172 Resp: 673389
Ion Ratio Lower Upper
172 100
171 35.2 29.2 43.8
170 23.1 19.7 29.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF141822.D
Acq: 03 Mar 2025 19:44

Tgt Ion:188 Resp: 594604
Ion Ratio Lower Upper
188 100
94 10.4 8.9 13.3
80 11.3 9.7 14.5

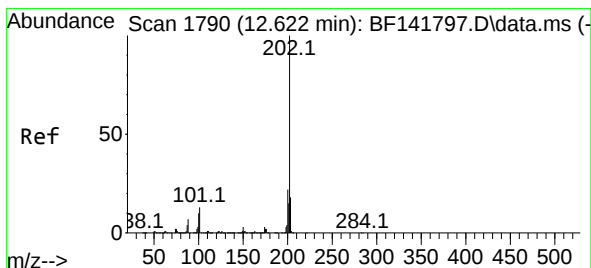
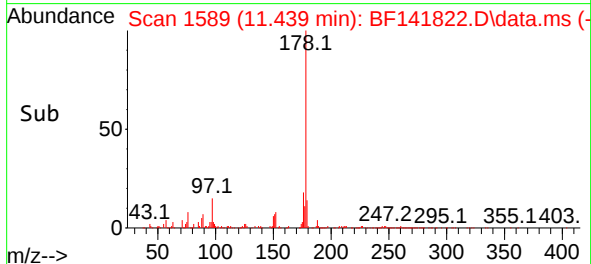
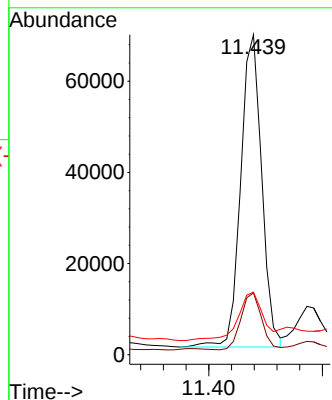
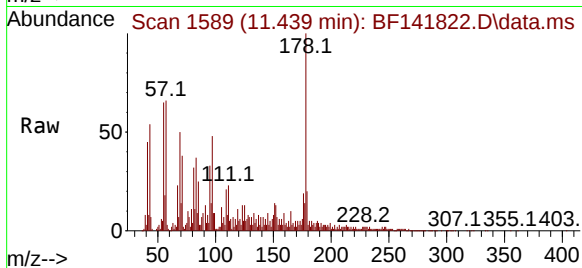




#71
Phenanthrene
Concen: 2.766 ng
RT: 11.439 min Scan# 111
Delta R.T. -0.000 min
Lab File: BF141822.D
Acq: 03 Mar 2025 19:44

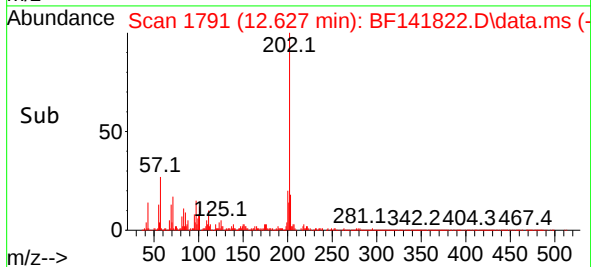
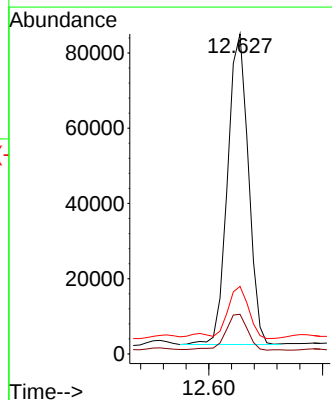
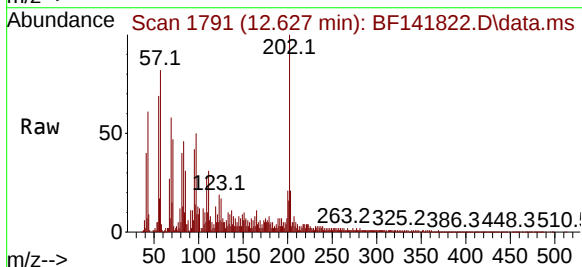
Instrument :
BNA_F
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BU-03-02282025

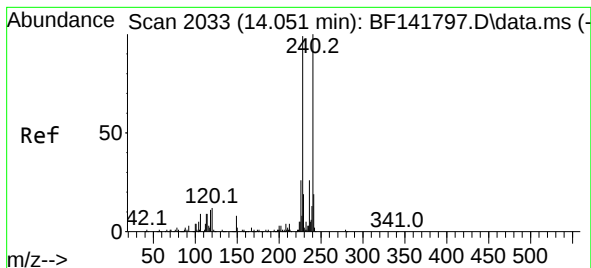
Tgt Ion:178 Resp: 87969
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 19.5 12.6 19.0#



#75
Fluoranthene
Concen: 3.224 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.006 min
Lab File: BF141822.D
Acq: 03 Mar 2025 19:44

Tgt Ion:202 Resp: 105065
Ion Ratio Lower Upper
202 100
101 12.4 0.0 32.8
203 21.1 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BF141822.D

Acq: 03 Mar 2025 19:44

Instrument :

BNA_F

ClientSampleId :

BU-03-02282025

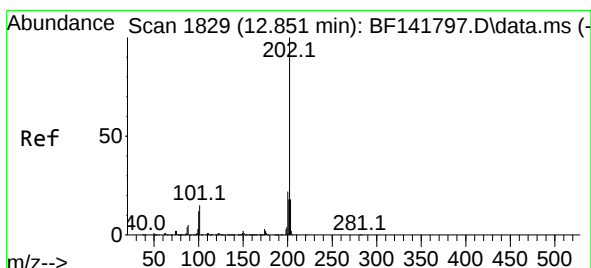
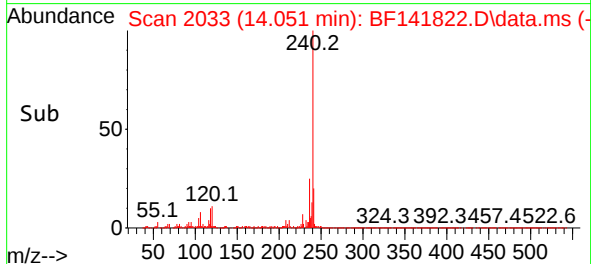
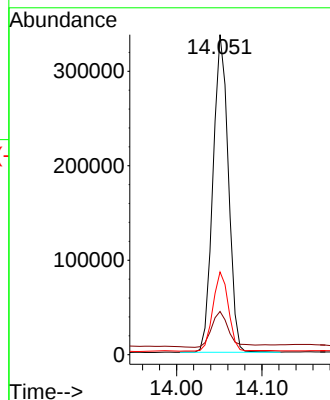
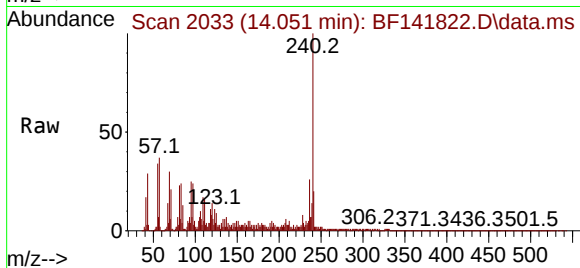
Tgt Ion:240 Resp: 421178

Ion Ratio Lower Upper

240 100

120 13.5 9.7 14.5

236 25.8 21.0 31.4



#78

Pyrene

Concen: 2.884 ng

RT: 12.627 min Scan# 1791

Delta R.T. -0.224 min

Lab File: BF141822.D

Acq: 03 Mar 2025 19:44

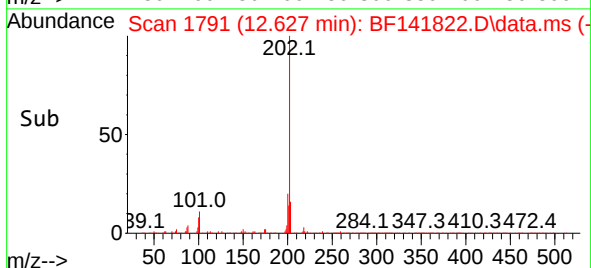
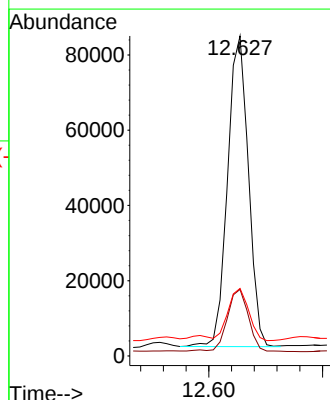
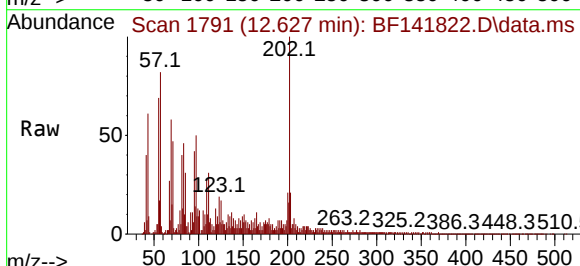
Tgt Ion:202 Resp: 105174

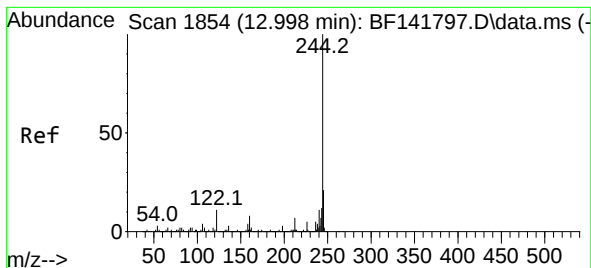
Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.0

203 21.1 14.6 22.0





#79

Terphenyl-d14

Concen: 30.247 ng

RT: 12.998 min Scan# 1854

Delta R.T. -0.000 min

Lab File: BF141822.D

Acq: 03 Mar 2025 19:44

Instrument :

BNA_F

ClientSampleId :

BU-03-02282025

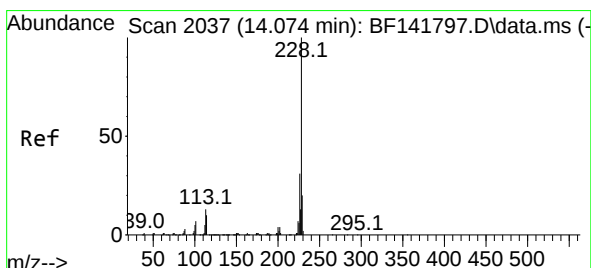
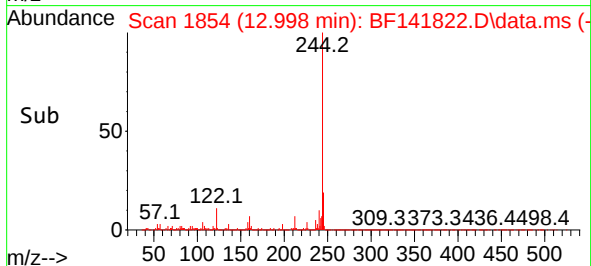
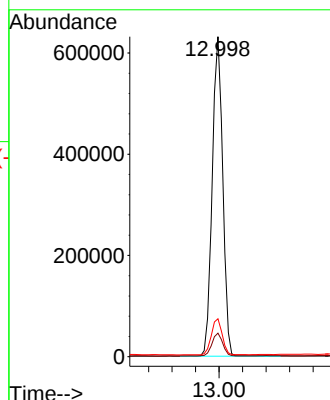
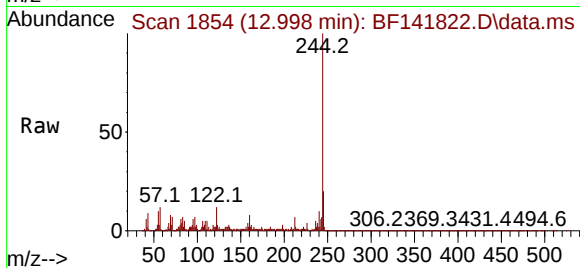
Tgt Ion:244 Resp: 787385

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

122 11.9 9.0 13.6



#83

Chrysene

Concen: 2.065 ng

RT: 14.074 min Scan# 2037

Delta R.T. -0.000 min

Lab File: BF141822.D

Acq: 03 Mar 2025 19:44

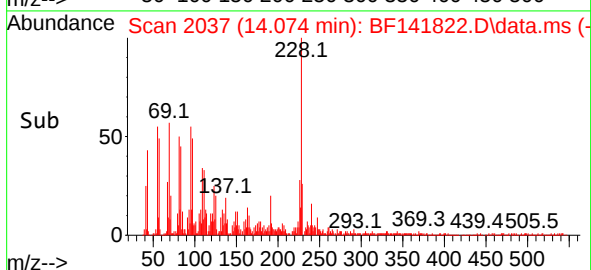
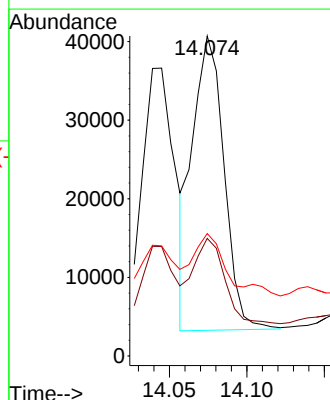
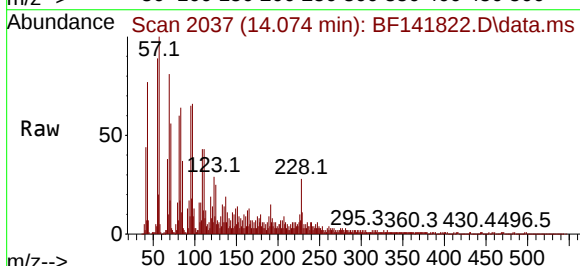
Tgt Ion:228 Resp: 52954

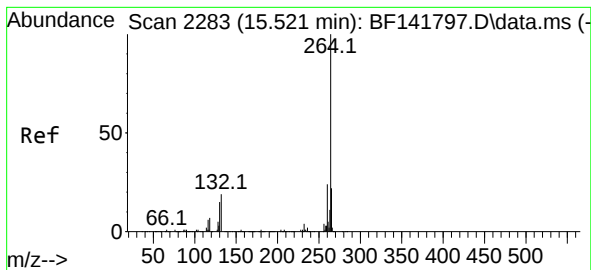
Ion Ratio Lower Upper

228 100

226 36.8 24.6 37.0

229 38.2 16.1 24.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF141822.D

Acq: 03 Mar 2025 19:44

Instrument :

BNA_F

ClientSampleId :

BU-03-02282025

Tgt Ion:264 Resp: 283962

Ion Ratio Lower Upper

264 100

260 24.6 18.9 28.3

265 23.9 17.4 26.0

