

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)

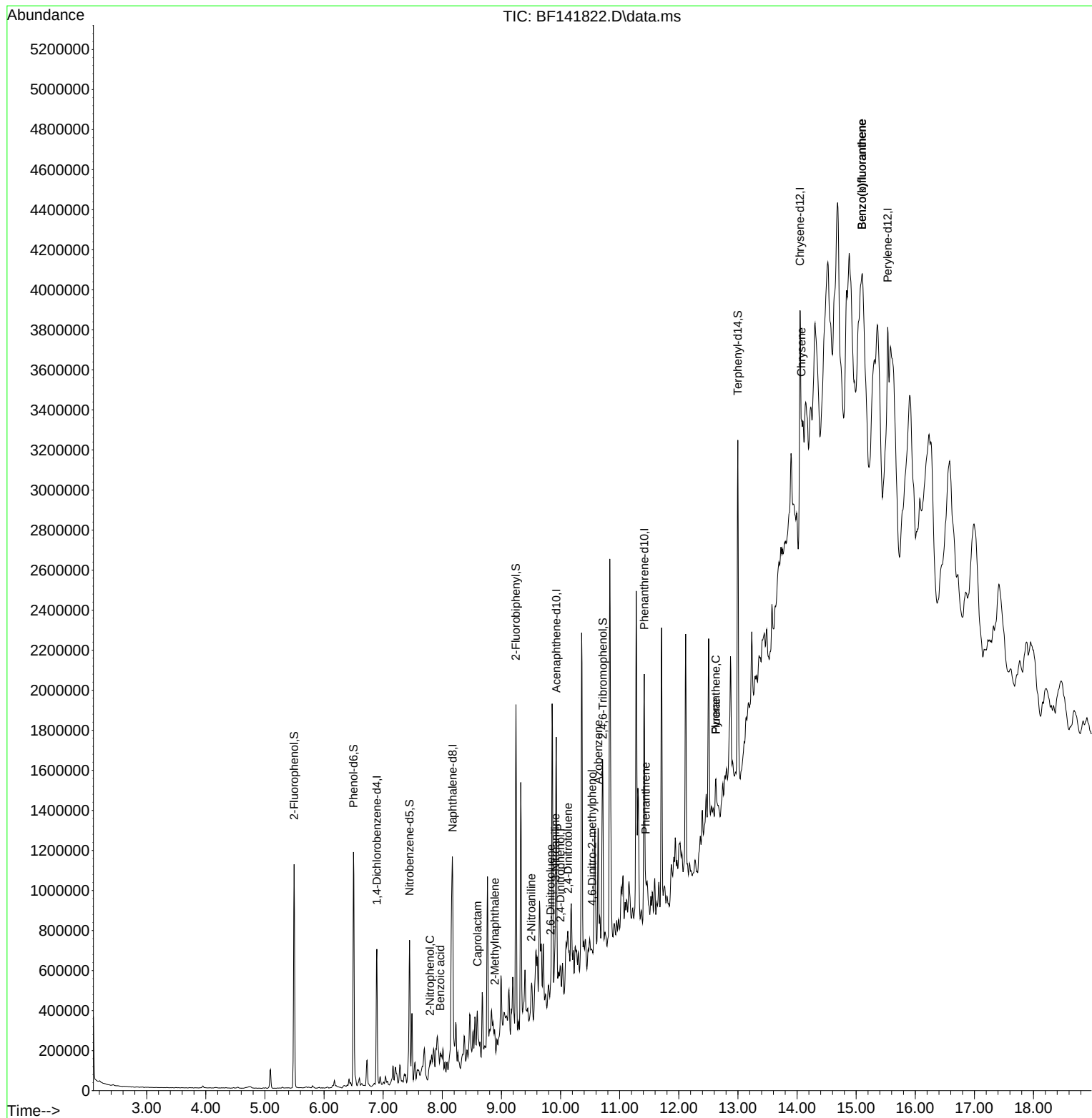
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	137918	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	547582	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	337851	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	594604	20.000	ng	0.00
76) Chrysene-d12	14.051	240	421178	20.000	ng	0.00
86) Perylene-d12	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
26) 2-Nitrophenol	7.792	139	785	4.723	ng	# 1
32) Benzoic acid	7.963	122	527	7.769	ng	# 1
35) Caprolactam	8.592	113	6961	2.899	ng	# 1
37) 2-Methylnaphthalene	8.886	142	39003	2.113	ng	96
48) 2-Nitroaniline	9.504	65	2137	4.713	ng	# 46
51) 2,6-Dinitrotoluene	9.833	165	1820	3.224	ng	# 71
53) 3-Nitroaniline	9.910	138	1634	3.299	ng	# 47
54) 2,4-Dinitrophenol	9.998	184	256	5.950	ng	# 2
57) 2,4-Dinitrotoluene	10.128	165	2600	3.981	ng	# 56
63) Azobenzene	10.639	77	138377	5.794	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.533	198	132	8.165	ng	# 1
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
88) Benzo(b)fluoranthene	15.098	252	55522	2.870	ng	# 1
89) Benzo(k)fluoranthene	15.098	252	55600	3.382	ng	# 1

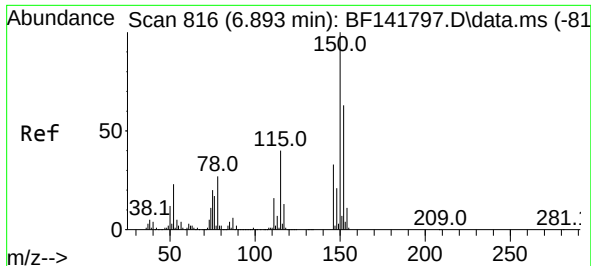
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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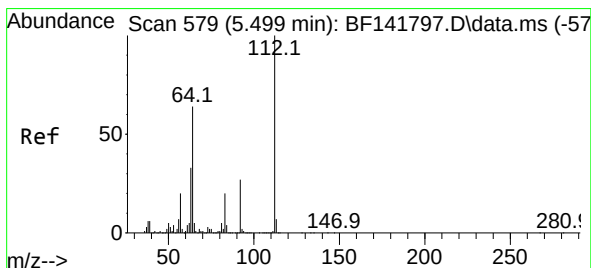
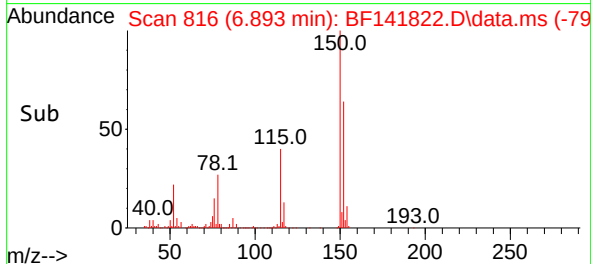
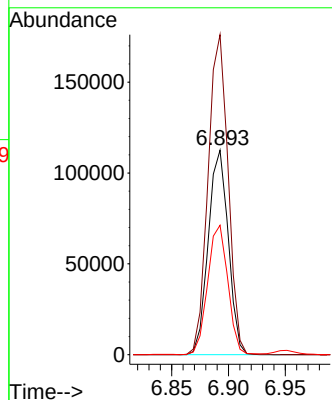
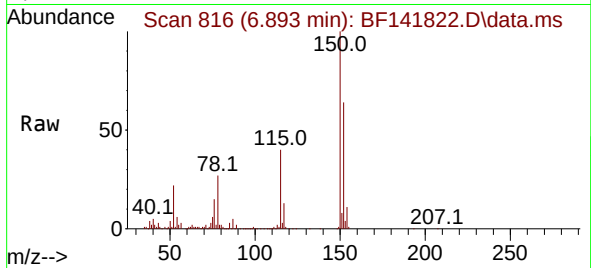




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 816
Delta R.T. -0.000 min
Lab File: BF141822.D
Acq: 03 Mar 2025 19:44

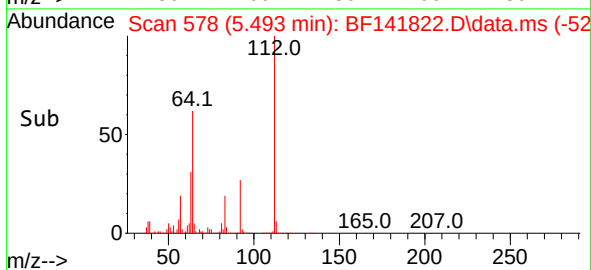
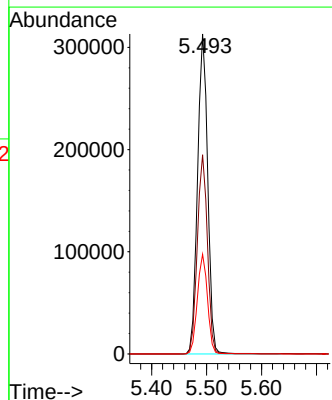
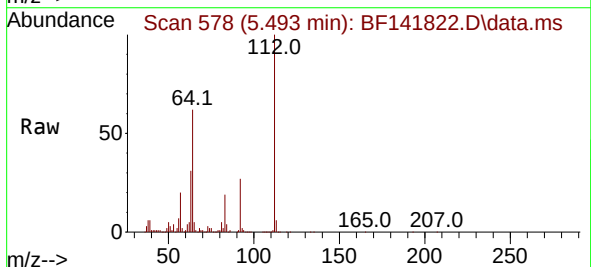
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BNA_F
ClientSampleId :
BU-03-02282025

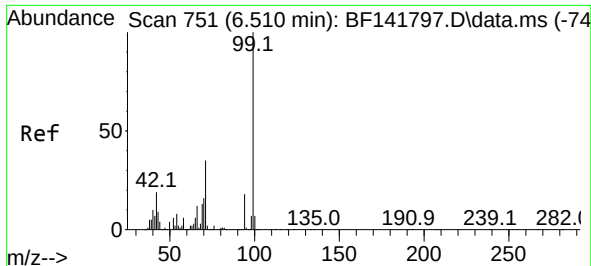
Tgt Ion:152 Resp: 137918
Ion Ratio Lower Upper
152 100
150 156.5 127.5 191.3
115 63.3 51.4 77.2



#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

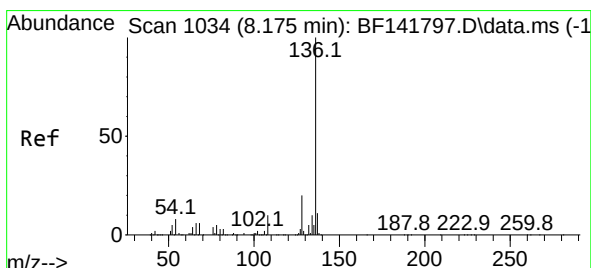
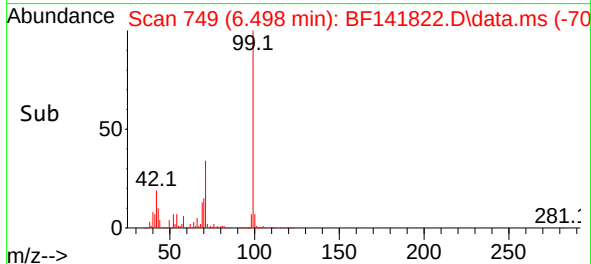
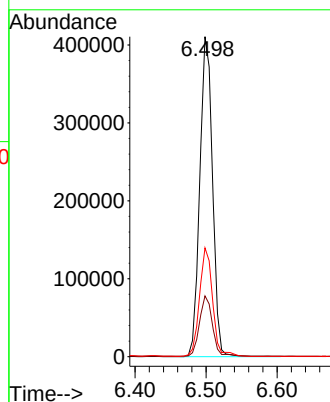
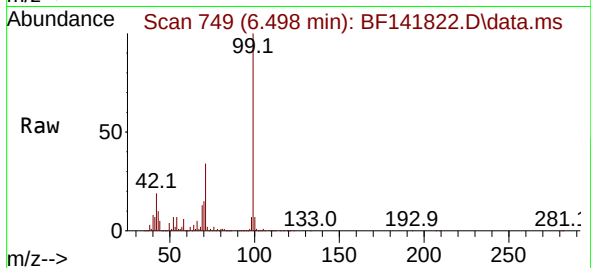




#7
Phenol-d6
Concen: 45.706 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF141822.D
Acq: 03 Mar 2025 19:44

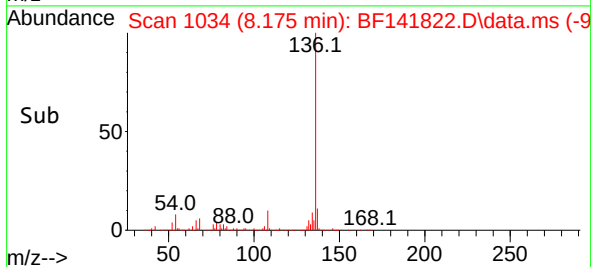
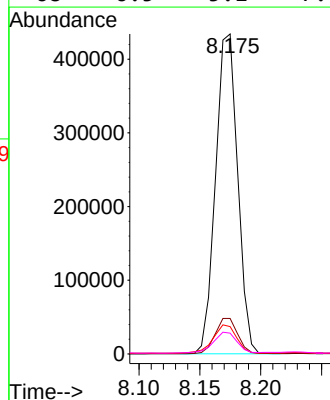
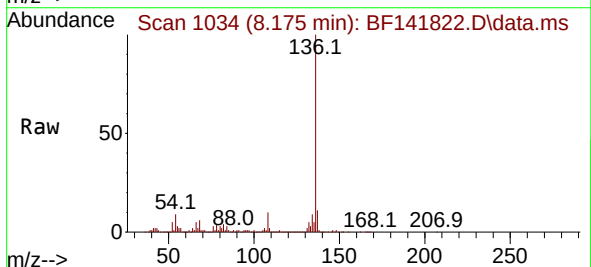
Instrument :
BNA_F
ClientSampleId :
BU-03-02282025

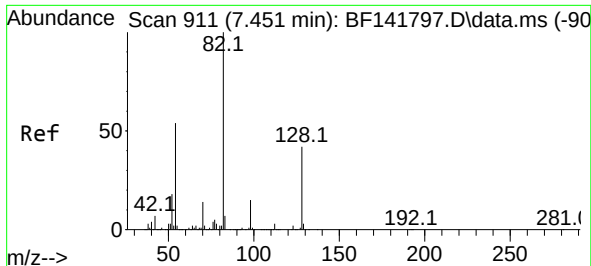
Tgt Ion: 99 Resp: 513769
Ion Ratio Lower Upper
99 100
42 19.0 15.2 22.8
71 34.0 28.2 42.2



#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

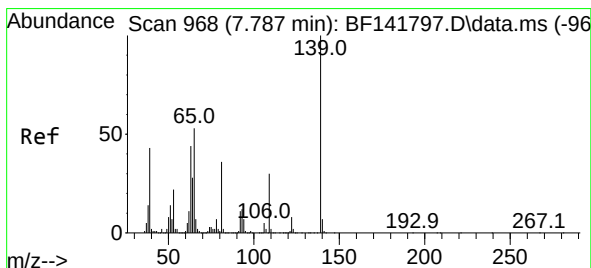
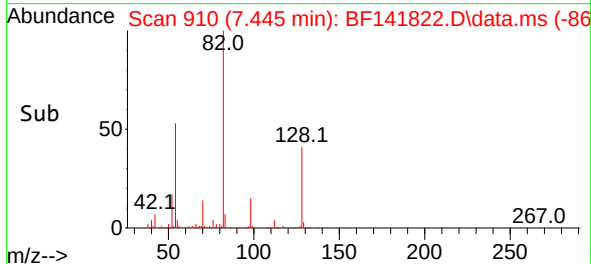
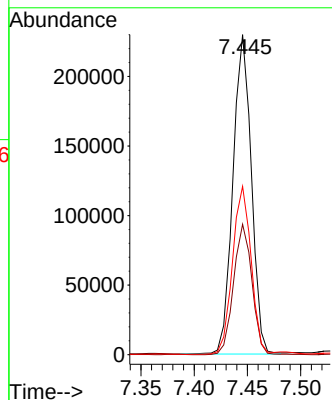
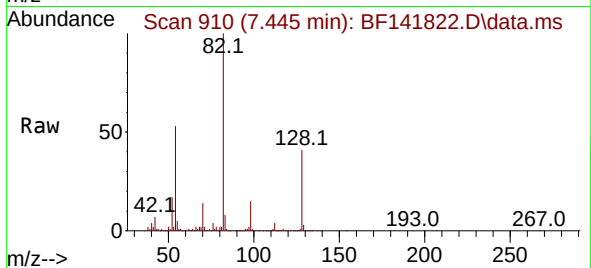
Tgt Ion: 82 Resp: 276161

Ion Ratio Lower Upper

82 100

128 40.7 33.5 50.3

54 52.6 42.7 64.1



#26

2-Nitrophenol

Concen: 4.723 ng

RT: 7.792 min Scan# 969

Delta R.T. 0.005 min

Lab File: BF141822.D

Acq: 03 Mar 2025 19:44

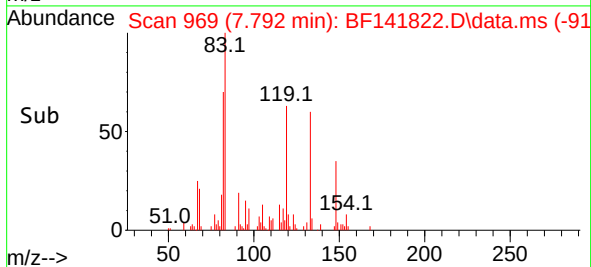
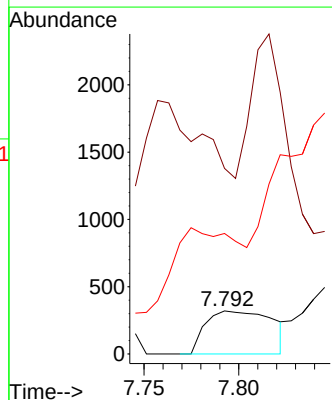
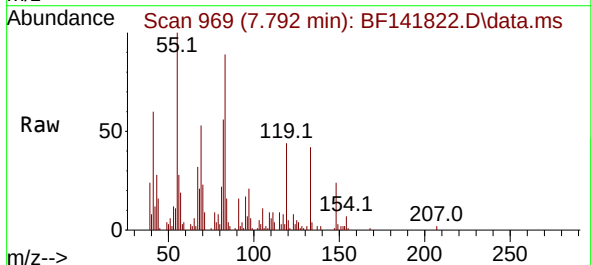
Tgt Ion:139 Resp: 785

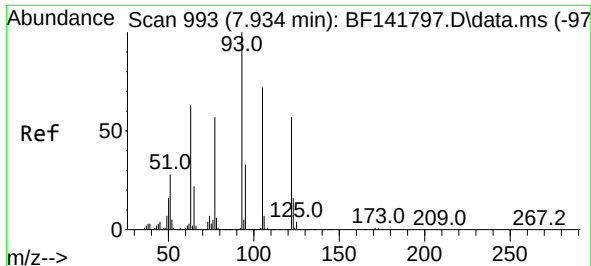
Ion Ratio Lower Upper

139 100

109 430.9 24.1 36.1#

65 279.7 42.3 63.5#

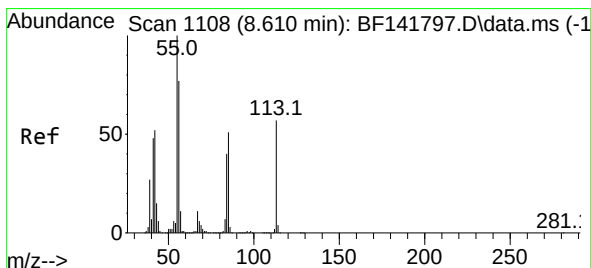
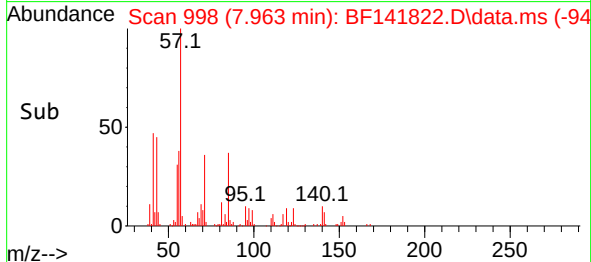
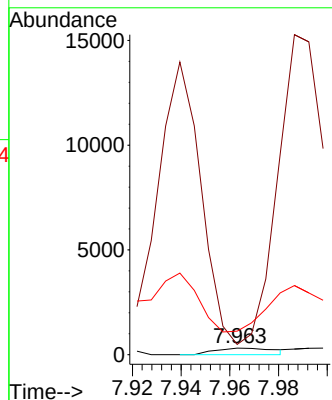
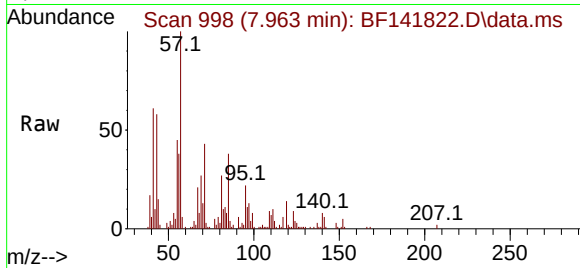




#32
Benzoic acid
Concen: 7.769 ng
RT: 7.963 min Scan# 91
Delta R.T. 0.029 min
Lab File: BF141822.D
Acq: 03 Mar 2025 19:44

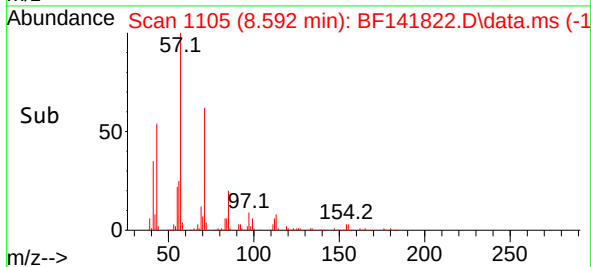
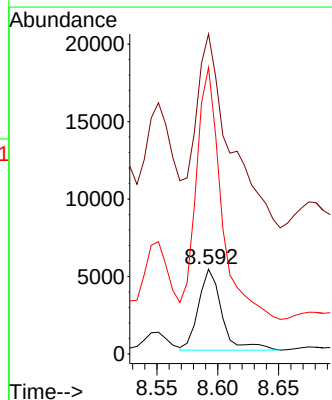
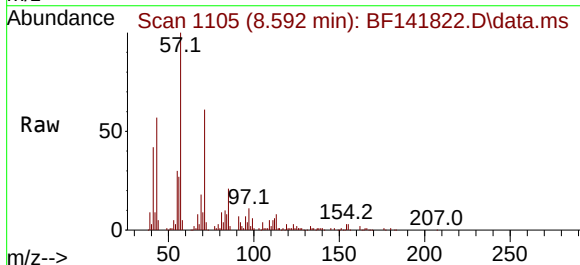
Instrument :
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BU-03-02282025

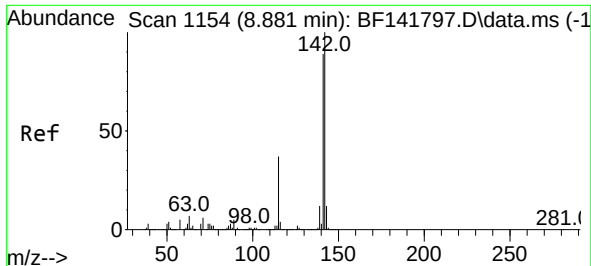
Tgt Ion:122 Resp: 527
Ion Ratio Lower Upper
122 100
105 158.7 105.8 145.8#
77 362.9 79.9 119.9#



#35
Caprolactam
Concen: 2.899 ng
RT: 8.592 min Scan# 1105
Delta R.T. -0.018 min
Lab File: BF141822.D
Acq: 03 Mar 2025 19:44

Tgt Ion:113 Resp: 6961
Ion Ratio Lower Upper
113 100
55 377.6 155.6 195.6#
56 338.1 114.6 154.6#

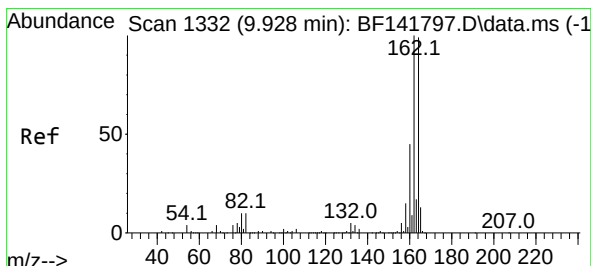
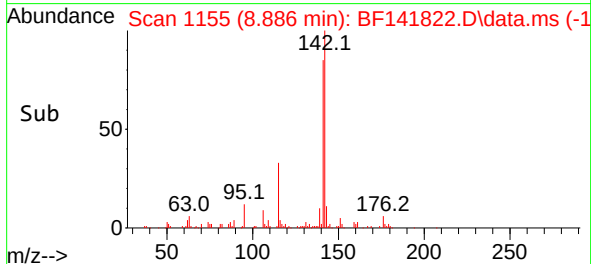
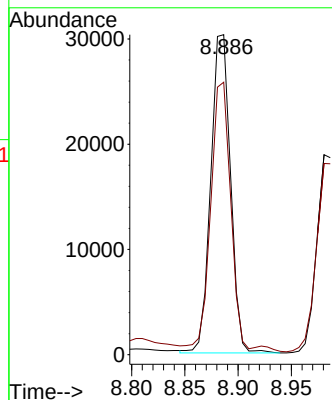
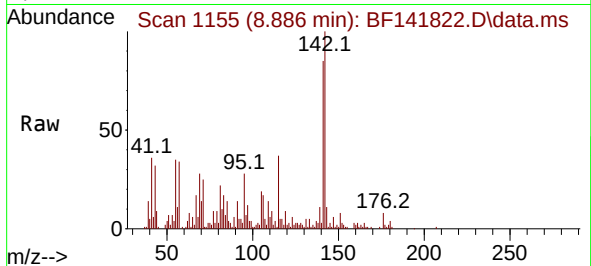




#37
2-Methylnaphthalene
Concen: 2.113 ng
RT: 8.886 min Scan# 1154
Delta R.T. 0.006 min
Lab File: BF141822.D
Acq: 03 Mar 2025 19:44

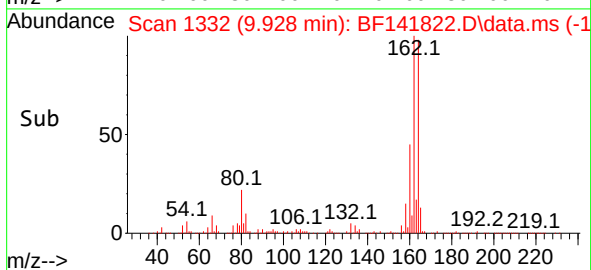
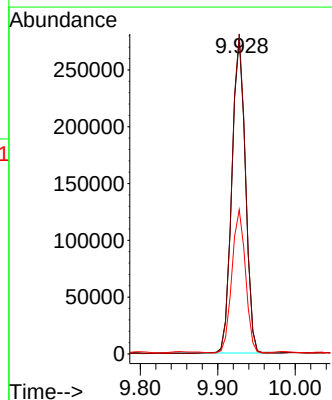
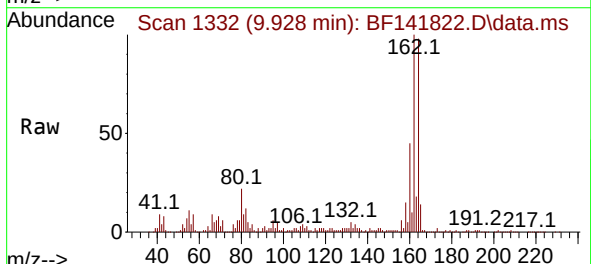
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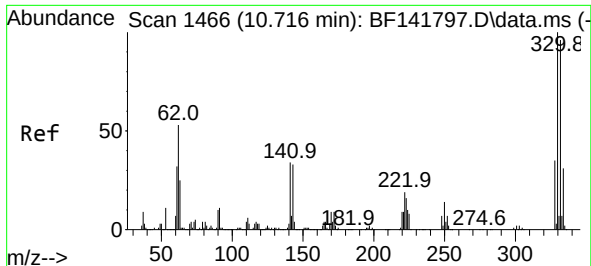
Tgt Ion:142 Resp: 39003
Ion Ratio Lower Upper
142 100
141 85.2 71.1 106.7



#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

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

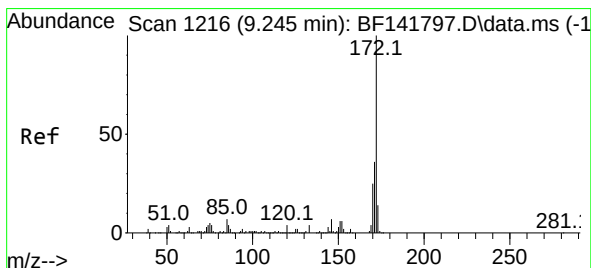
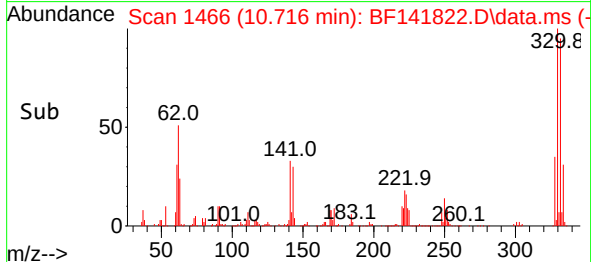
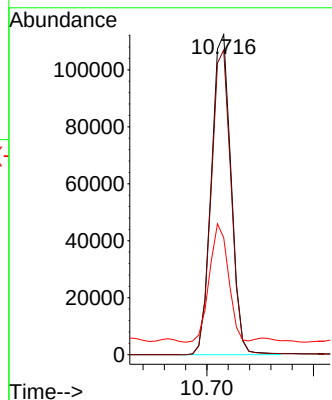
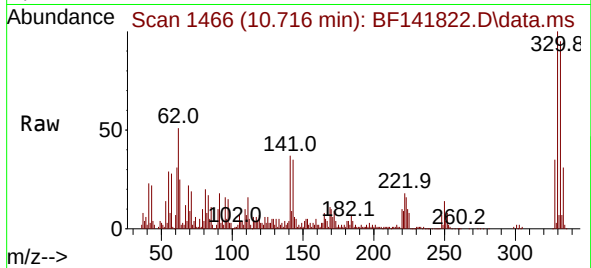




#42
2,4,6-Tribromophenol
Concen: 45.362 ng
RT: 10.716 min Scan# 1466
Delta R.T. -0.000 min
Lab File: BF141822.D
Acq: 03 Mar 2025 19:44

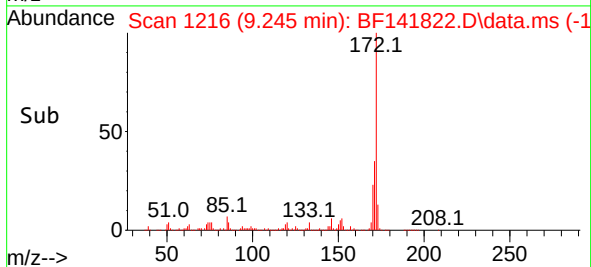
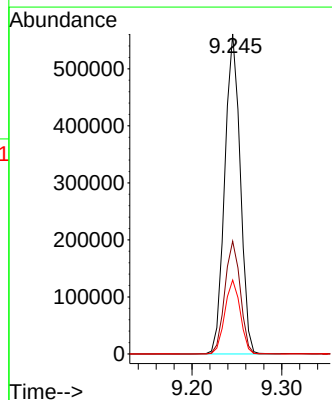
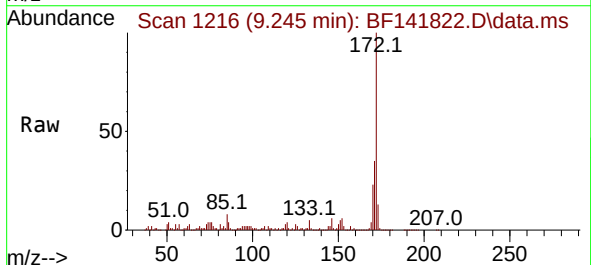
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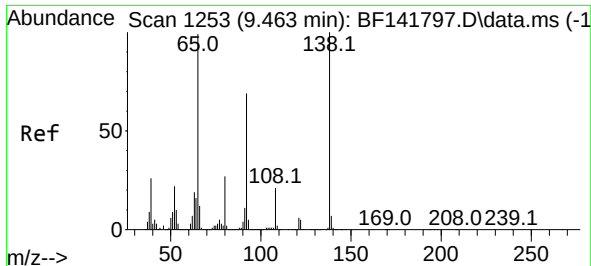
Tgt Ion: 330 Resp: 143878
Ion Ratio Lower Upper
330 100
332 96.2 76.6 115.0
141 35.9 29.0 43.4



#45
2-Fluorobiphenyl
Concen: 31.959 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.000 min
Lab File: BF141822.D
Acq: 03 Mar 2025 19:44

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





#48

2-Nitroaniline

Concen: 4.713 ng

RT: 9.504 min Scan# 11

Delta R.T. 0.041 min

Lab File: BF141822.D

Acq: 03 Mar 2025 19:44

Instrument :

BNA_F

ClientSampleId :

BU-03-02282025

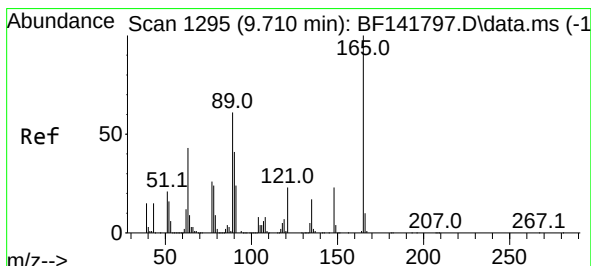
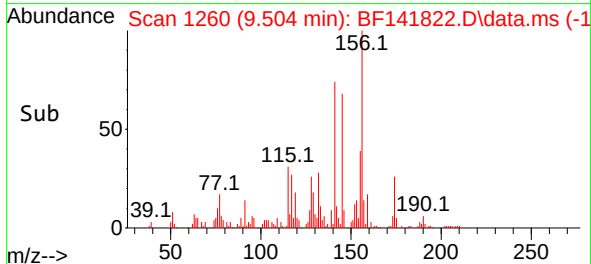
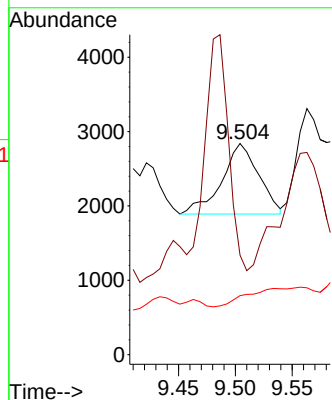
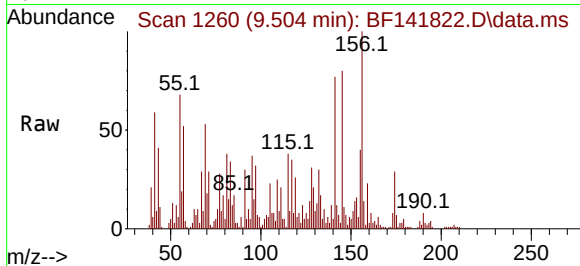
Tgt Ion: 65 Resp: 2137

Ion Ratio Lower Upper

65 100

92 47.1 55.7 83.5#

138 27.9 80.6 121.0#



#51

2,6-Dinitrotoluene

Concen: 3.224 ng

RT: 9.833 min Scan# 1316

Delta R.T. 0.123 min

Lab File: BF141822.D

Acq: 03 Mar 2025 19:44

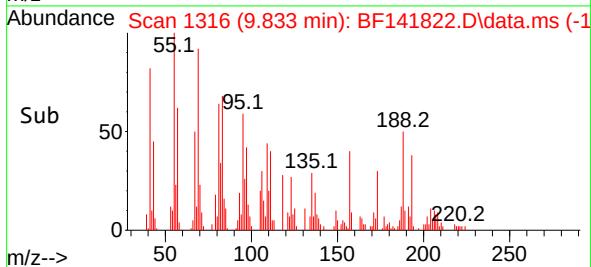
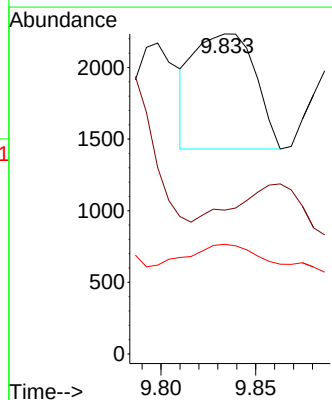
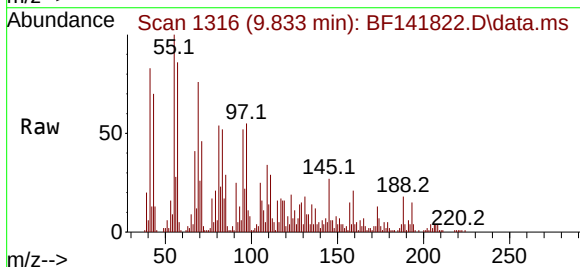
Tgt Ion: 165 Resp: 1820

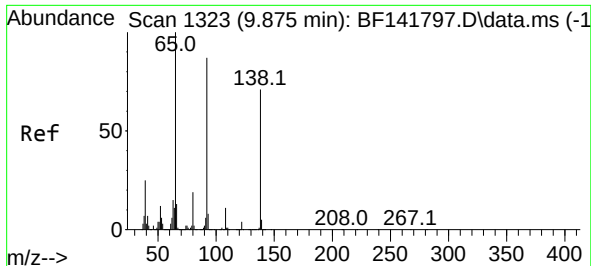
Ion Ratio Lower Upper

165 100

63 44.9 49.5 74.3#

89 34.2 49.0 73.4#

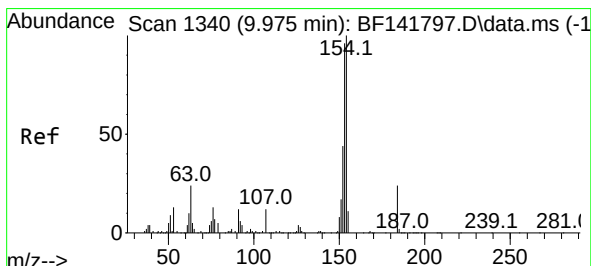
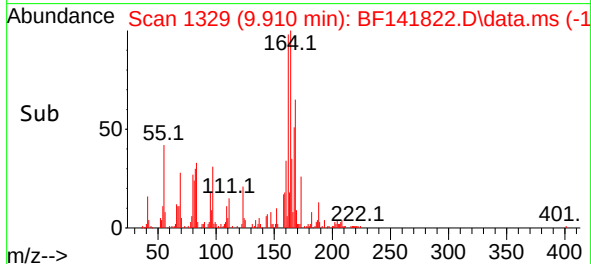
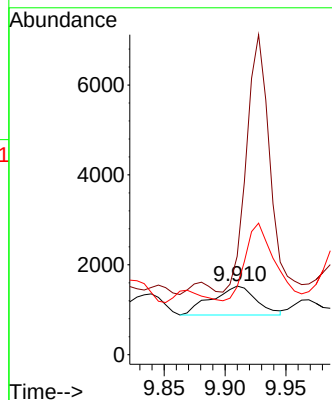
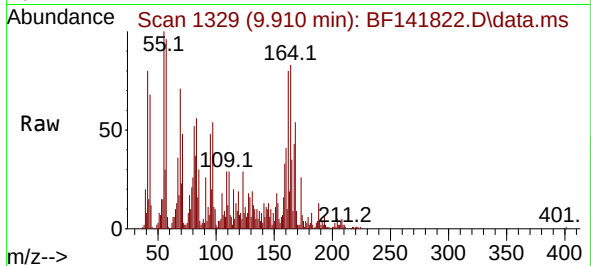




#53
3-Nitroaniline
Concen: 3.299 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF141822.D
Acq: 03 Mar 2025 19:44

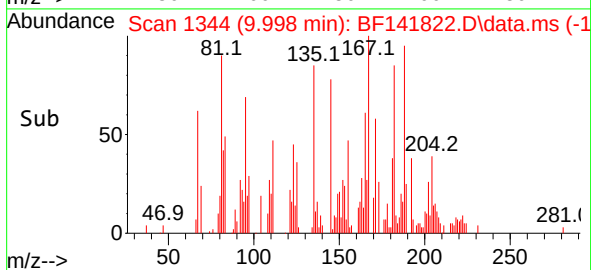
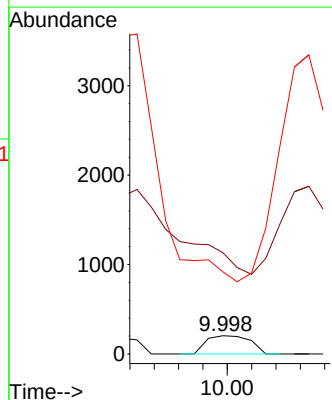
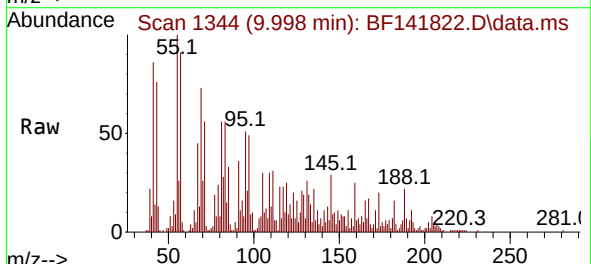
Instrument :
BNA_F
ClientSampleId :
BU-03-02282025

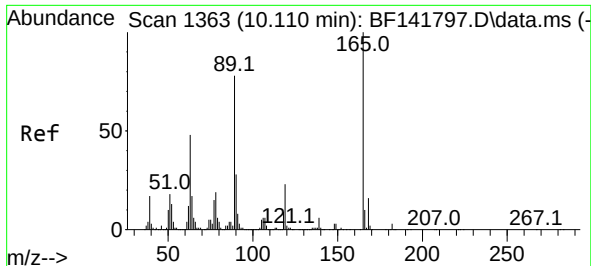
Tgt Ion:138 Resp: 1634
Ion Ratio Lower Upper
138 100
108 143.3 12.7 19.1#
92 98.7 97.9 146.9



#54
2,4-Dinitrophenol
Concen: 5.950 ng
RT: 9.998 min Scan# 1344
Delta R.T. 0.023 min
Lab File: BF141822.D
Acq: 03 Mar 2025 19:44

Tgt Ion:184 Resp: 256
Ion Ratio Lower Upper
184 100
63 555.4 79.0 118.6#
154 450.5 335.8 503.8

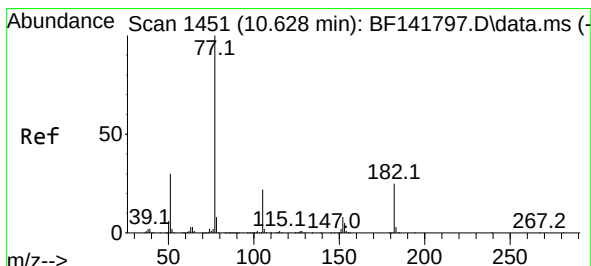
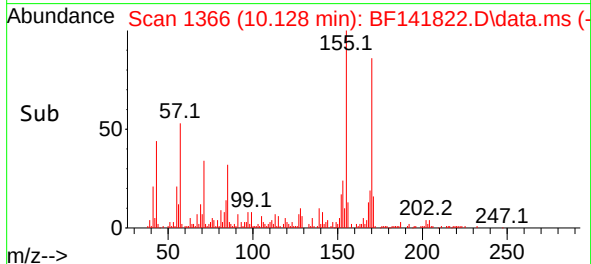
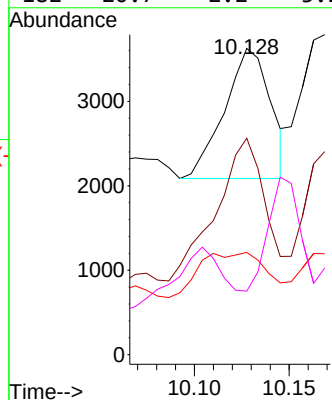
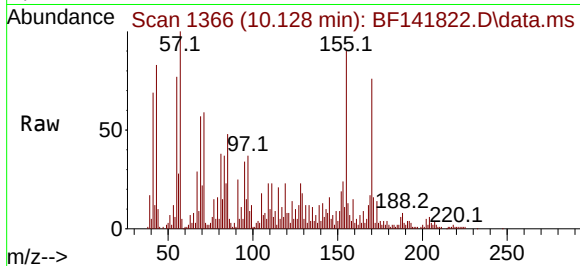




#57
2,4-Dinitrotoluene
Concen: 3.981 ng
RT: 10.128 min Scan# 1366
Delta R.T. 0.018 min
Lab File: BF141822.D
Acq: 03 Mar 2025 19:44

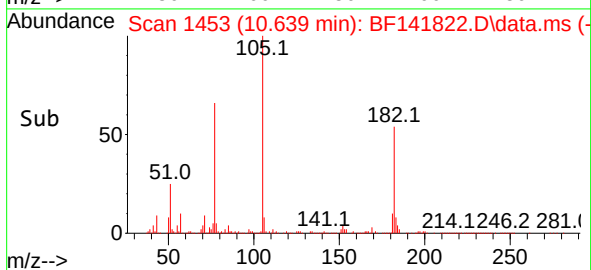
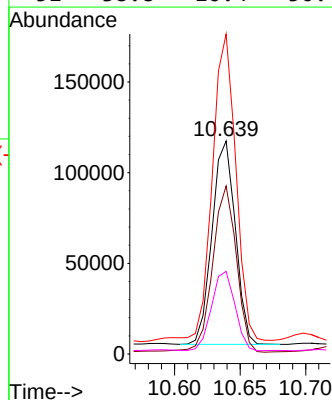
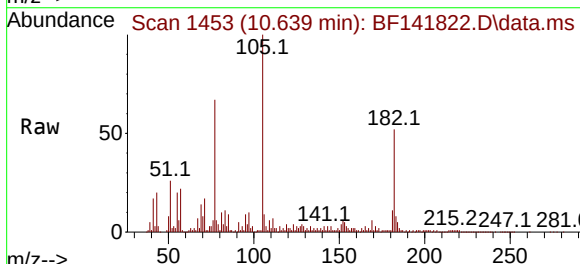
Instrument :
BNA_F
ClientSampleId :
BU-03-02282025

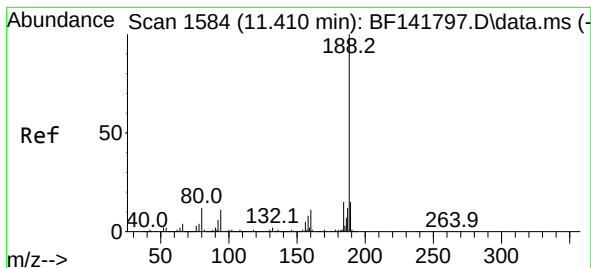
Tgt Ion:	165	Resp:	2600
Ion Ratio	Lower	Upper	
165	100		
63	70.6	38.8	58.2#
89	33.4	62.6	94.0#
182	20.7	2.2	3.2#



#63
Azobenzene
Concen: 5.794 ng
RT: 10.639 min Scan# 1453
Delta R.T. 0.012 min
Lab File: BF141822.D
Acq: 03 Mar 2025 19:44

Tgt Ion:	77	Resp:	138377
Ion Ratio	Lower	Upper	
77	100		
182	78.8	4.2	44.2#
105	150.2	1.5	41.5#
51	38.8	10.4	50.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF141822.D

Acq: 03 Mar 2025 19:44

Instrument :

BNA_F

ClientSampleId :

BU-03-02282025

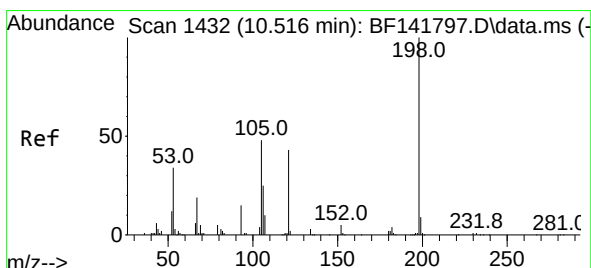
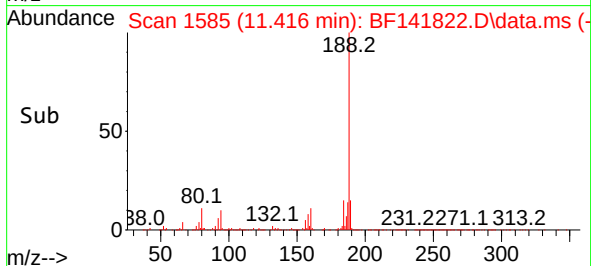
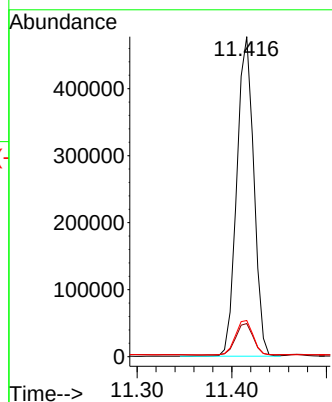
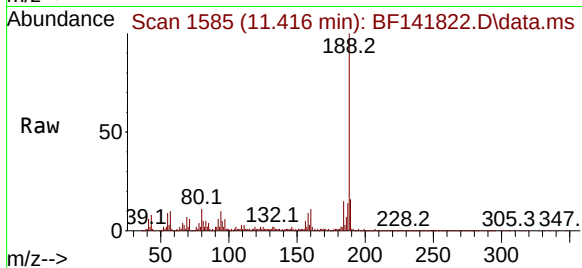
Tgt Ion:188 Resp: 594604

Ion Ratio Lower Upper

188 100

94 10.4 8.9 13.3

80 11.3 9.7 14.5



#65

4,6-Dinitro-2-methylphenol

Concen: 8.165 ng

RT: 10.533 min Scan# 1435

Delta R.T. 0.017 min

Lab File: BF141822.D

Acq: 03 Mar 2025 19:44

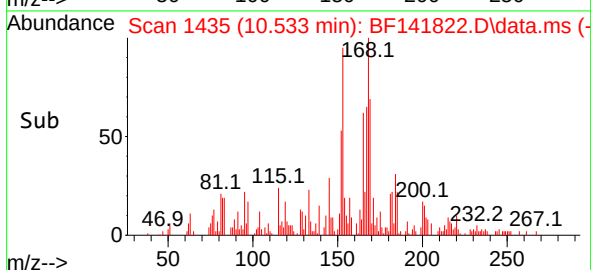
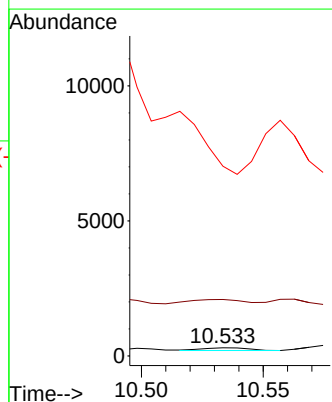
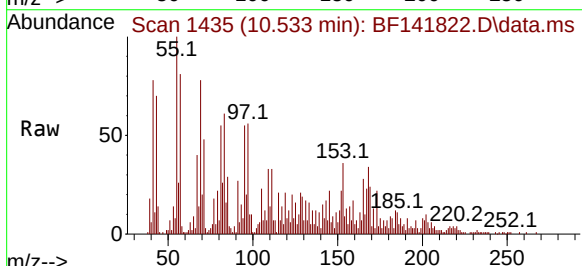
Tgt Ion:198 Resp: 132

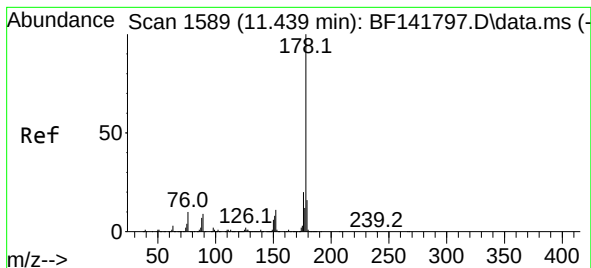
Ion Ratio Lower Upper

198 100

51 687.5 32.1 72.1#

105 2311.5 28.5 68.5#





#71

Phenanthrene

Concen: 2.766 ng

RT: 11.439 min Scan# 1589

Delta R.T. -0.000 min

Lab File: BF141822.D

Acq: 03 Mar 2025 19:44

Instrument :

BNA_F

ClientSampleId :

BU-03-02282025

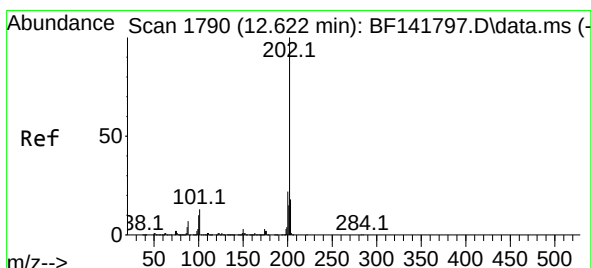
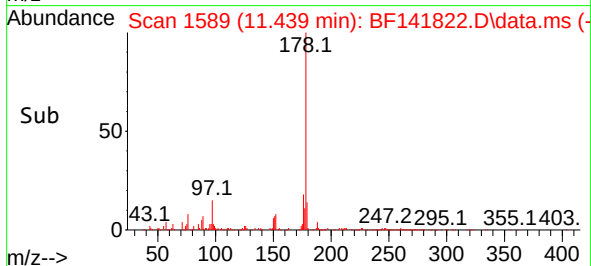
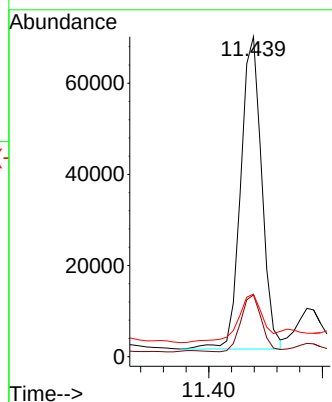
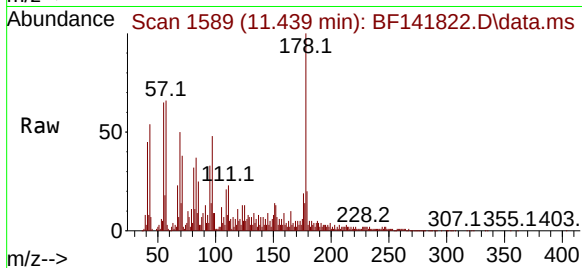
Tgt Ion:178 Resp: 87969

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

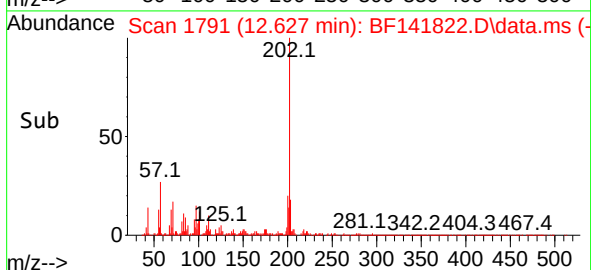
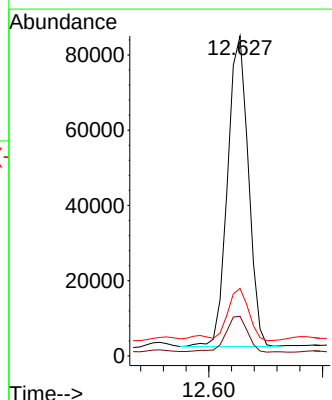
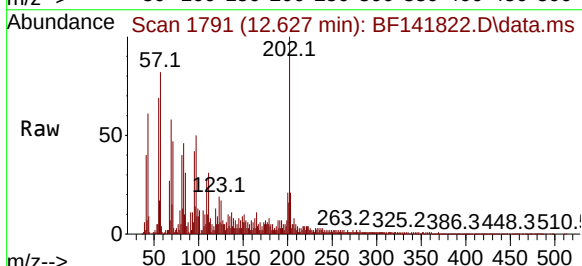
Tgt Ion:202 Resp: 105065

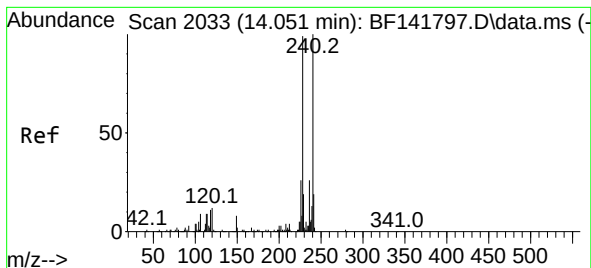
Ion Ratio Lower Upper

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

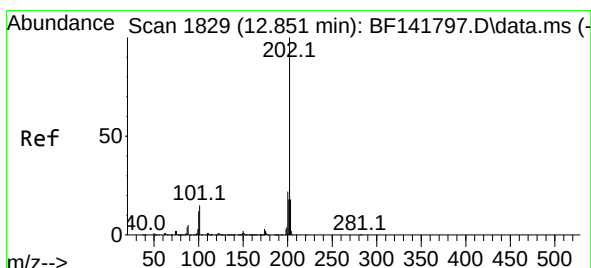
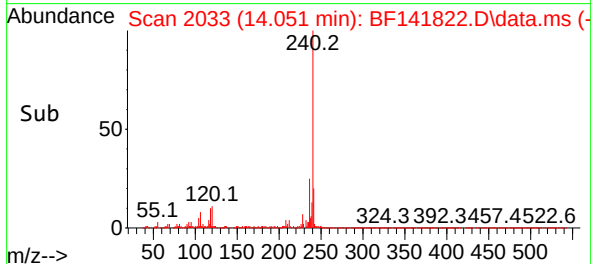
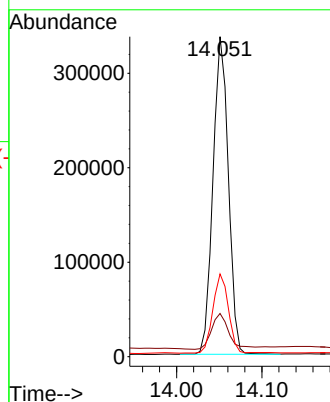
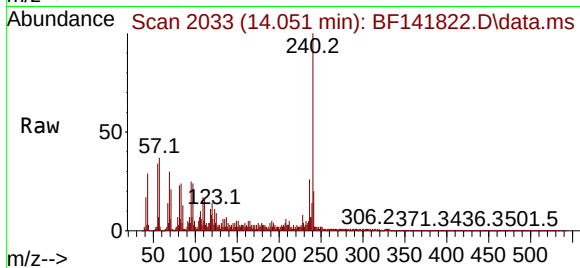
Tgt Ion:240 Resp: 421178

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

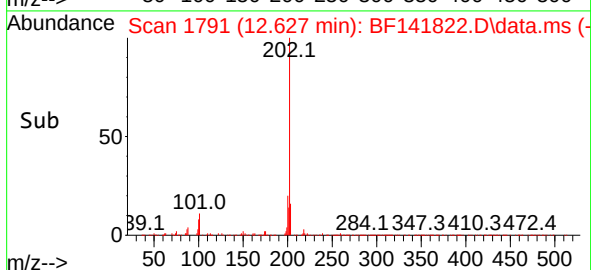
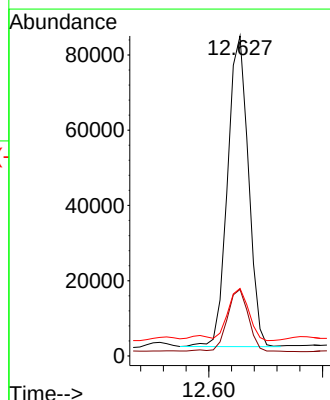
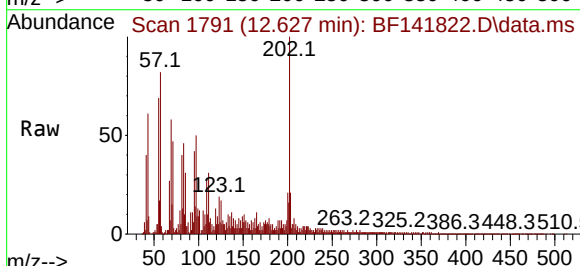
Tgt Ion:202 Resp: 105174

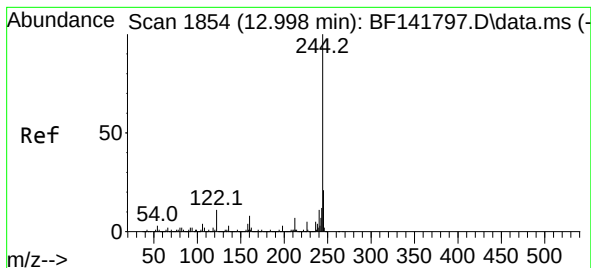
Ion Ratio Lower Upper

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

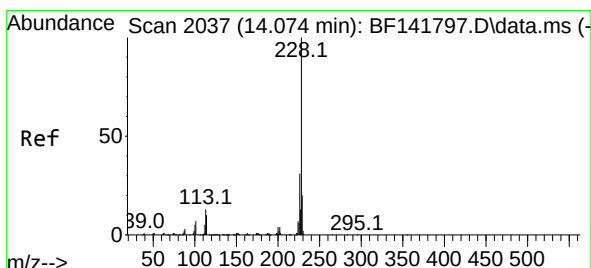
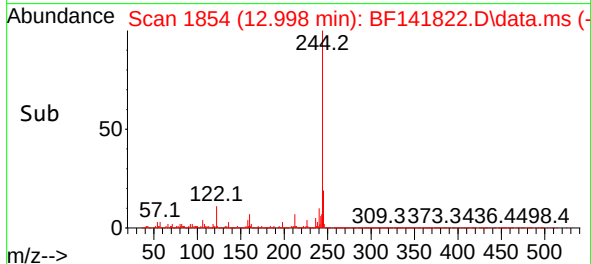
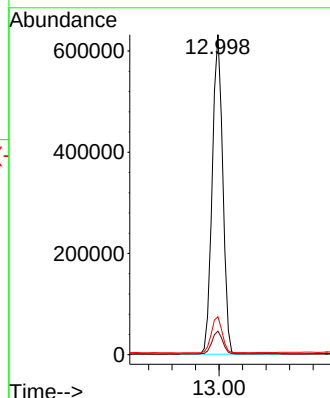
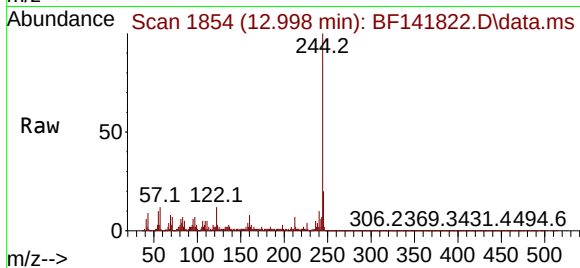
Tgt Ion:244 Resp: 787385

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

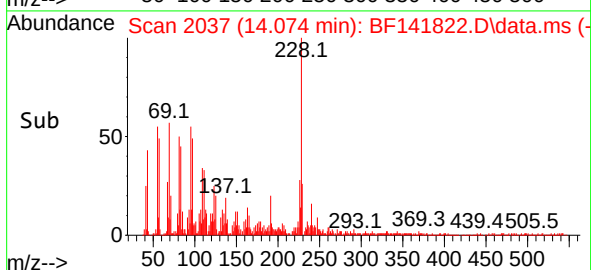
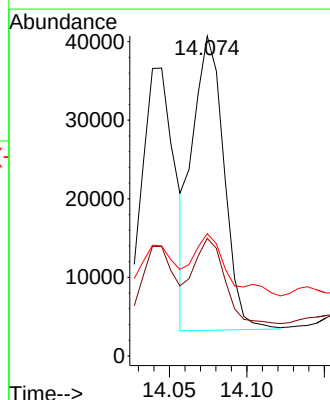
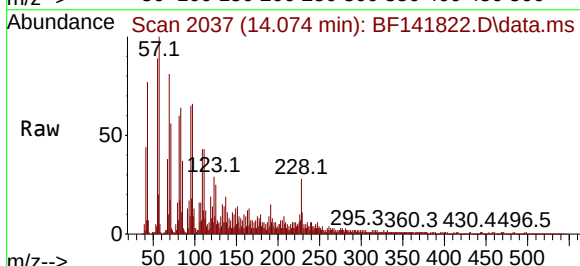
Tgt Ion:228 Resp: 52954

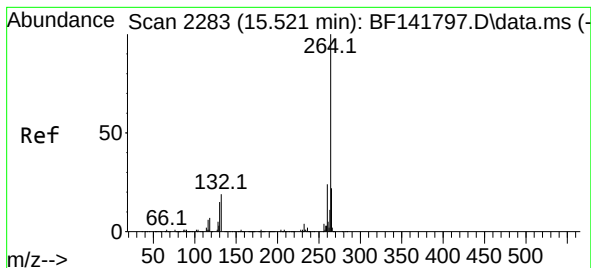
Ion Ratio Lower Upper

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# 2111

Delta R.T. 0.012 min

Lab File: BF141822.D

Acq: 03 Mar 2025 19:44

Instrument :

BNA_F

ClientSampleId :

BU-03-02282025

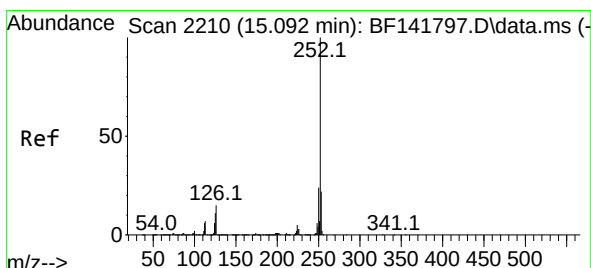
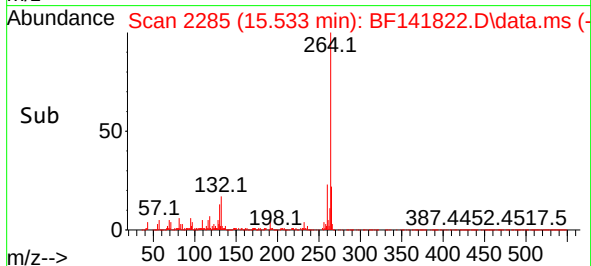
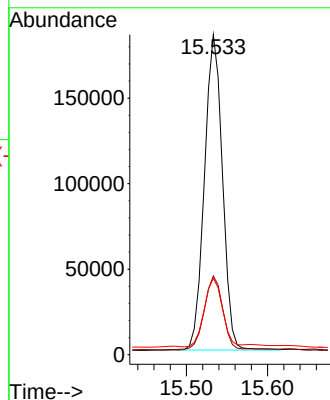
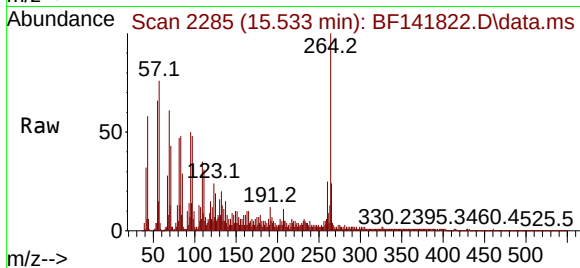
Tgt Ion:264 Resp: 283962

Ion Ratio Lower Upper

264 100

260 24.6 18.9 28.3

265 23.9 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 2.870 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.006 min

Lab File: BF141822.D

Acq: 03 Mar 2025 19:44

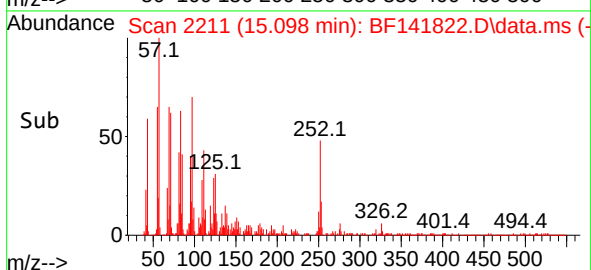
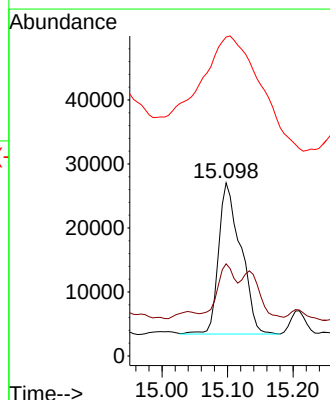
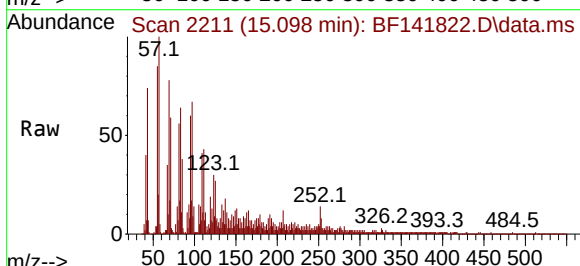
Tgt Ion:252 Resp: 55522

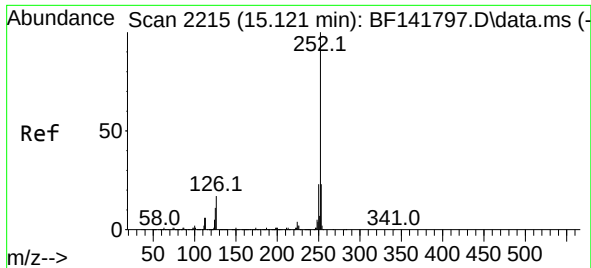
Ion Ratio Lower Upper

252 100

253 53.2 17.7 26.5#

125 184.2 8.6 13.0#





#89

Benzo(k)fluoranthene

Concen: 3.382 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF141822.D

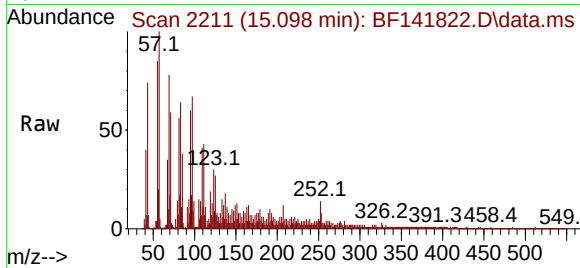
Acq: 03 Mar 2025 19:44

Instrument :

BNA_F

ClientSampleId :

BU-03-02282025



Tgt Ion:252 Resp: 55600

Ion Ratio Lower Upper

252 100

253 53.2 17.8 26.8#

125 184.2 8.8 13.2#

