

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032125\
 Data File : BF142041.D
 Acq On : 21 Mar 2025 20:48
 Operator : RC/JU
 Sample : Q1597-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3-CONCRETE-SLAB

Quant Time: Mar 21 23:02:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

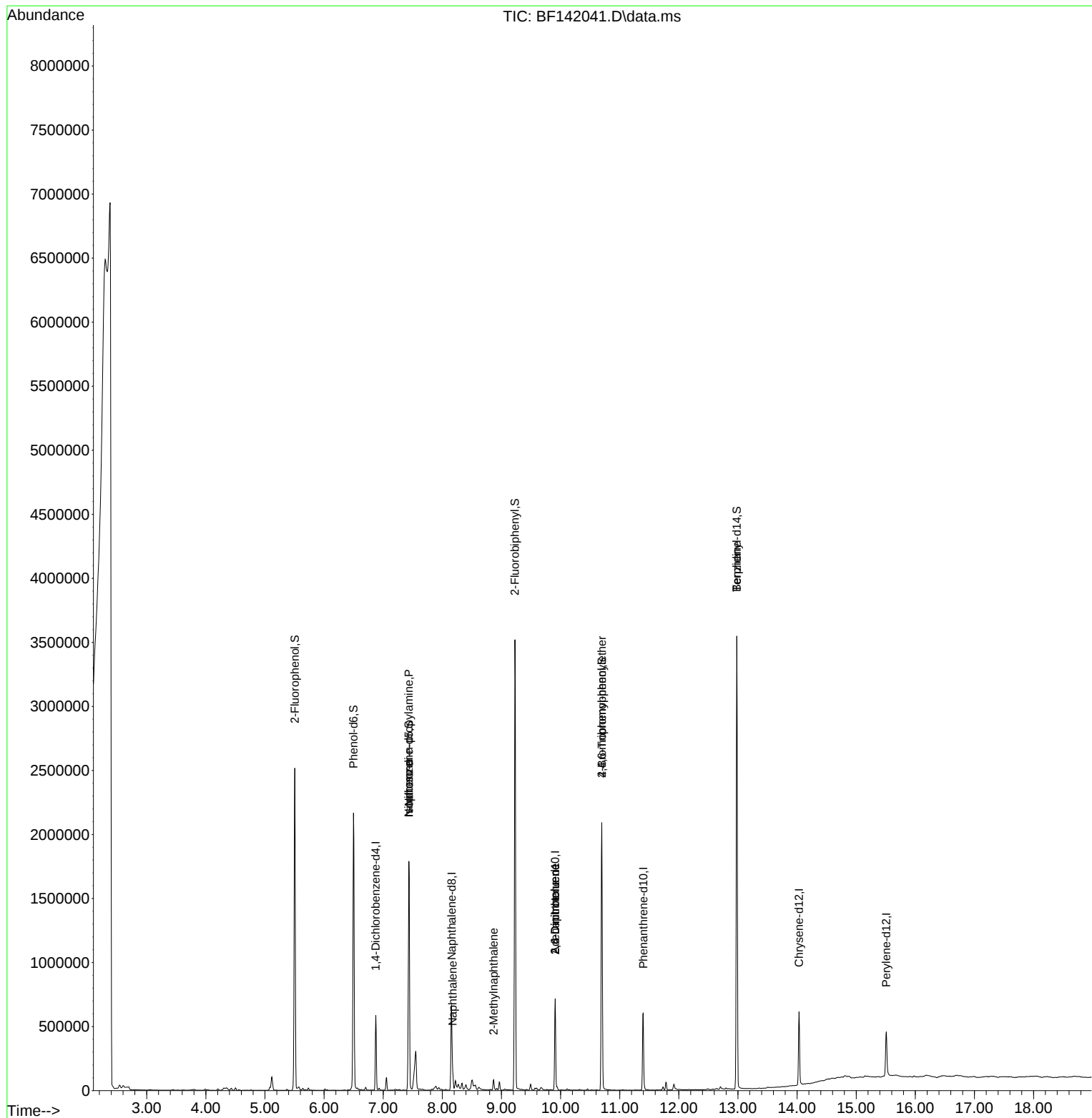
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	121960	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	434471	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	213450	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	322795	20.000	ng	0.00
76) Chrysene-d12	14.033	240	281672	20.000	ng	0.00
86) Perylene-d12	15.509	264	228007	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	988702	135.299	ng	0.01
7) Phenol-d6	6.498	99	1066748	114.653	ng	0.00
23) Nitrobenzene-d5	7.434	82	833291	107.934	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	395947	146.219	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1550873	110.498	ng	-0.01
79) Terphenyl-d14	12.980	244	1784498	93.666	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	114068	19.080	ng	# 78
25) Isophorone	7.434	82	815980	59.792	ng	# 64
31) Naphthalene	8.175	128	70960	3.179	ng	98
37) 2-Methylnaphthalene	8.869	142	31291	2.098	ng	97
51) 2,6-Dinitrotoluene	9.910	165	27867	8.954	ng	# 23
57) 2,4-Dinitrotoluene	9.910	165	27867	6.856	ng	# 24
67) 4-Bromophenyl-phenylether	10.698	248	24770	6.110	ng	# 1
77) Benzidine	12.980	184	24499	6.234	ng	# 91

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

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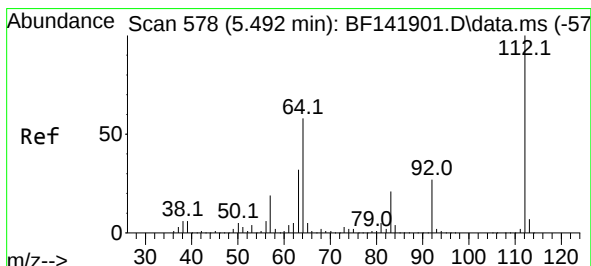
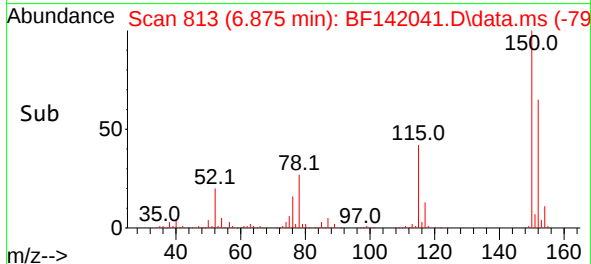
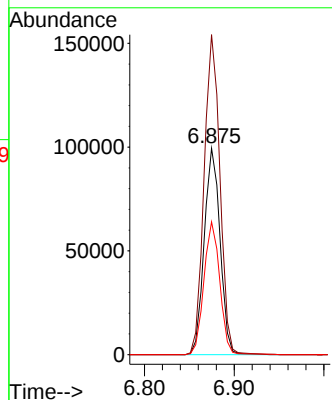
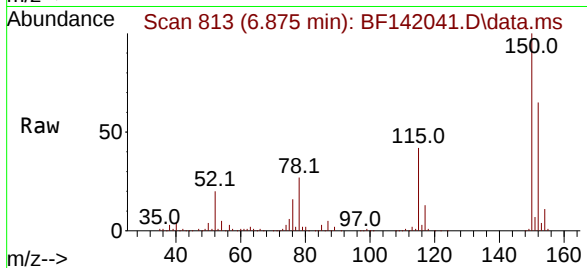




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 814
 Delta R.T. -0.006 min
 Lab File: BF142041.D
 Acq: 21 Mar 2025 20:48

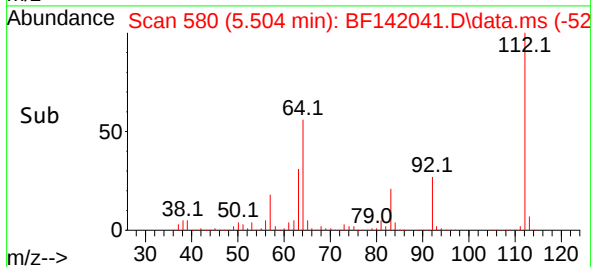
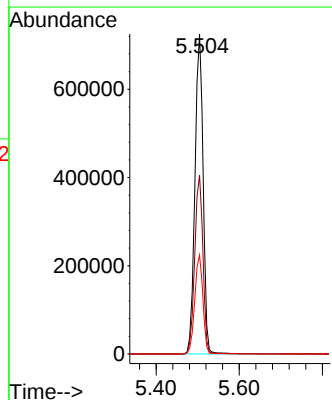
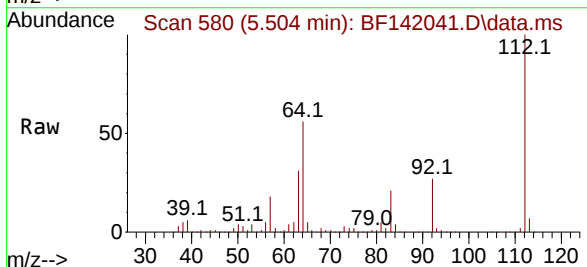
Instrument :
 BNA_F
 ClientSampleId :
 3-CONCRETE-SLAB

Tgt Ion:152 Resp: 121960
 Ion Ratio Lower Upper
 152 100
 150 155.0 127.4 191.2
 115 64.4 51.9 77.9



#5
 2-Fluorophenol
 Concen: 135.299 ng
 RT: 5.504 min Scan# 580
 Delta R.T. 0.012 min
 Lab File: BF142041.D
 Acq: 21 Mar 2025 20:48

Tgt Ion:112 Resp: 988702
 Ion Ratio Lower Upper
 112 100
 64 55.9 46.5 69.7
 63 30.9 25.4 38.2

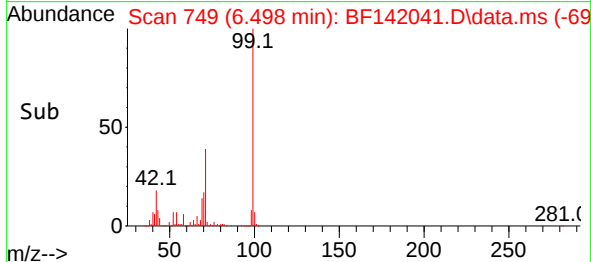
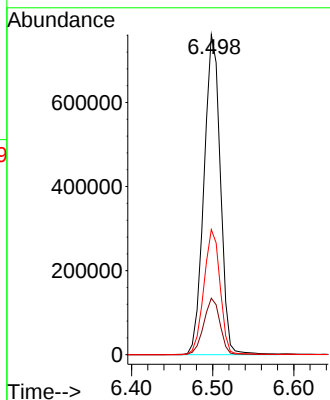
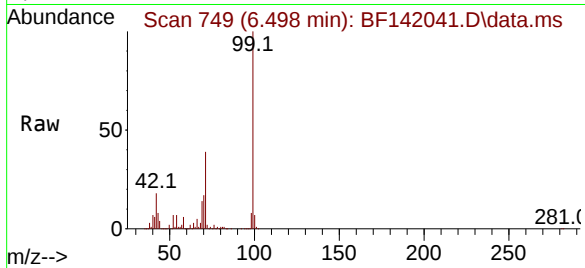




#7
Phenol-d6
Concen: 114.653 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF142041.D
Acq: 21 Mar 2025 20:48

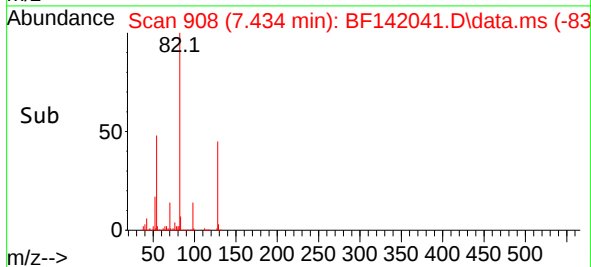
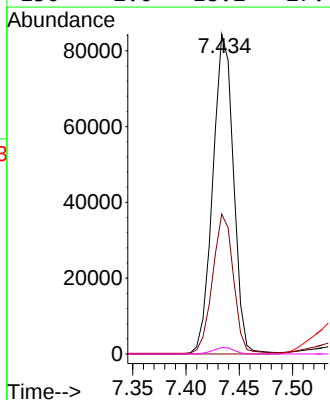
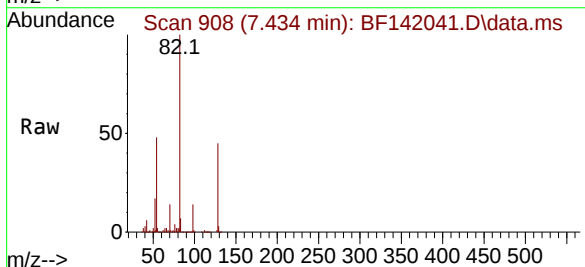
Instrument :
BNA_F
ClientSampleId :
3-CONCRETE-SLAB

Tgt Ion: 99 Resp: 1066748
Ion Ratio Lower Upper
99 100
42 17.6 14.6 21.8
71 39.1 30.8 46.2



#19
n-Nitroso-di-n-propylamine
Concen: 19.080 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.135 min
Lab File: BF142041.D
Acq: 21 Mar 2025 20:48

Tgt Ion: 70 Resp: 114068
Ion Ratio Lower Upper
70 100
42 43.7 41.4 62.0
101 0.0 8.2 12.2#
130 2.0 18.2 27.4#



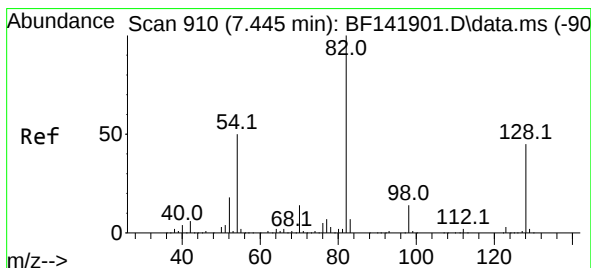
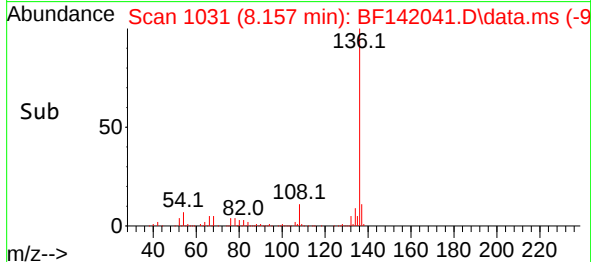
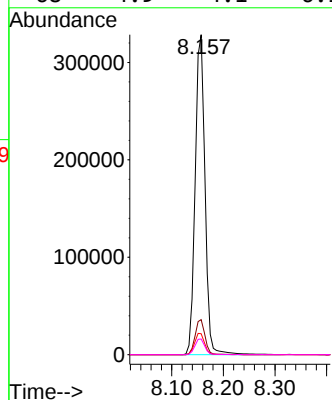
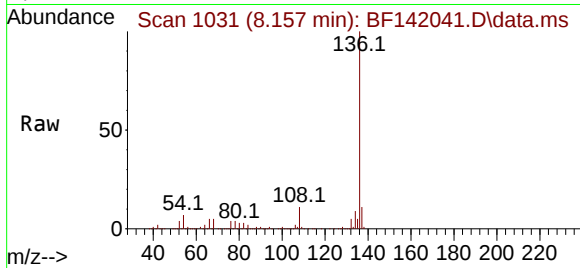


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF142041.D
Acq: 21 Mar 2025 20:48

Instrument :
BNA_F
ClientSampleId :
3-CONCRETE-SLAB

Tgt Ion:136 Resp: 434471

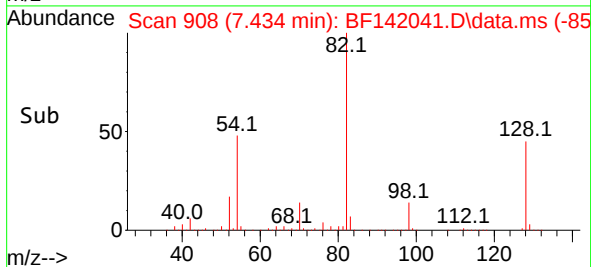
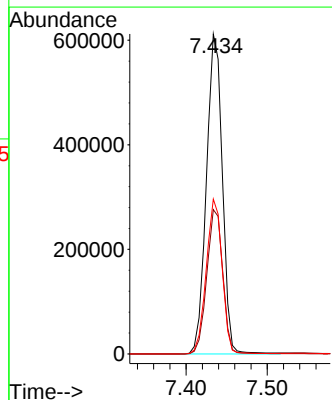
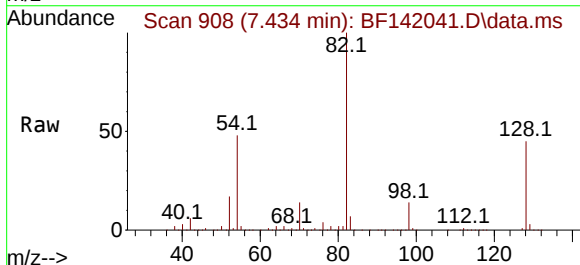
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.6	5.8	8.8
68	4.9	4.1	6.1



#23
Nitrobenzene-d5
Concen: 107.934 ng
RT: 7.434 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF142041.D
Acq: 21 Mar 2025 20:48

Tgt Ion: 82 Resp: 833291

Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.0	54.0
54	48.4	39.6	59.4

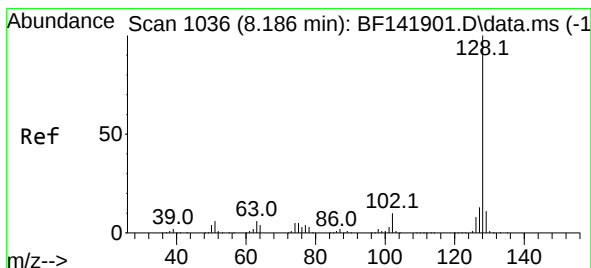
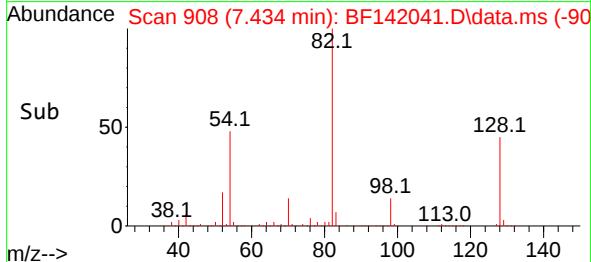
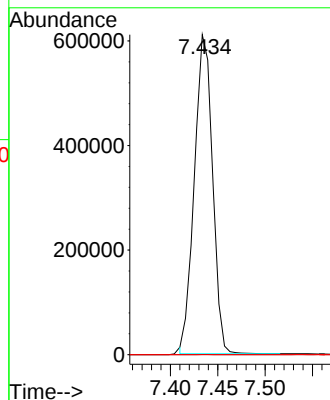
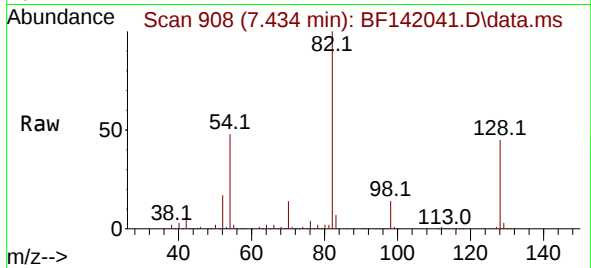




#25
Isophorone
Concen: 59.792 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF142041.D
Acq: 21 Mar 2025 20:48

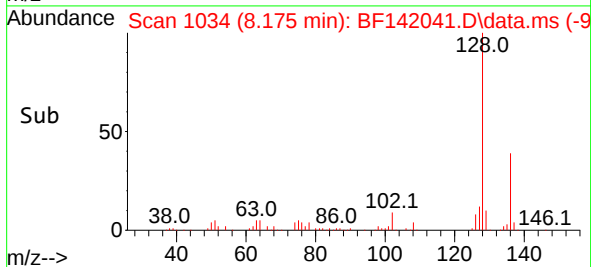
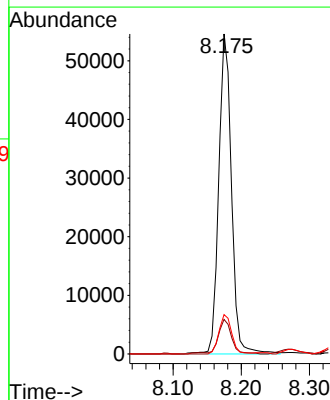
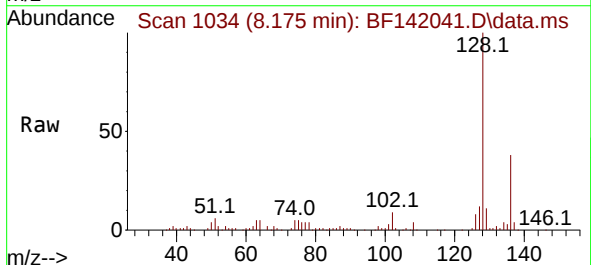
Instrument :
BNA_F
ClientSampleId :
3-CONCRETE-SLAB

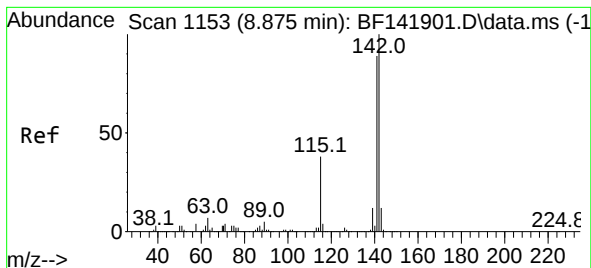
Tgt Ion: 82 Resp: 815980
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 14.9 22.3#



#31
Naphthalene
Concen: 3.179 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF142041.D
Acq: 21 Mar 2025 20:48

Tgt Ion:128 Resp: 70960
Ion Ratio Lower Upper
128 100
129 10.8 9.0 13.6
127 12.3 10.8 16.2





#37

2-Methylnaphthalene

Concen: 2.098 ng

RT: 8.869 min Scan# 1153

Delta R.T. -0.006 min

Lab File: BF142041.D

Acq: 21 Mar 2025 20:48

Instrument :

BNA_F

ClientSampleId :

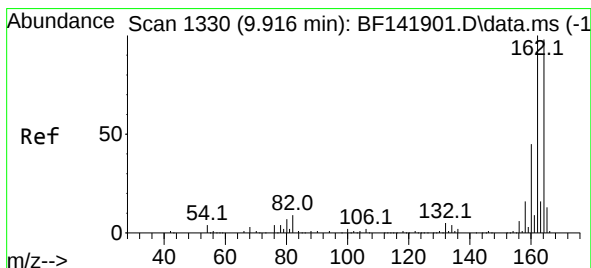
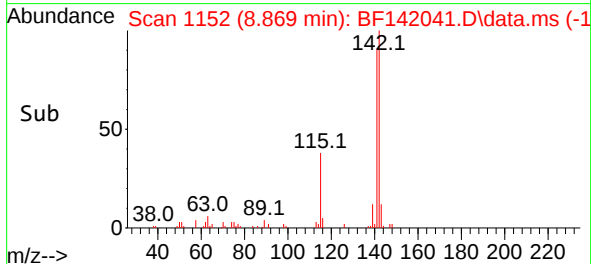
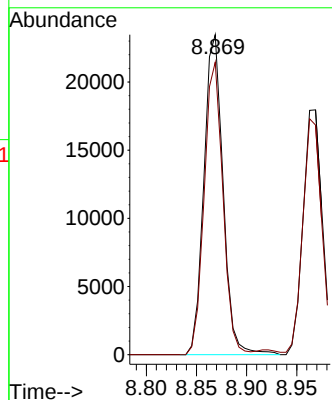
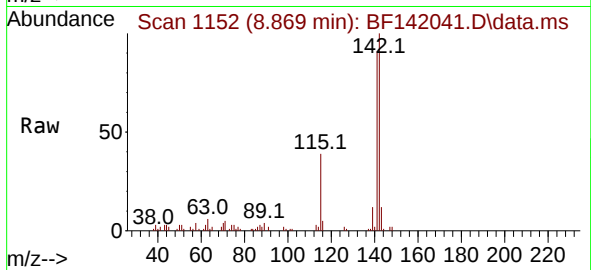
3-CONCRETE-SLAB

Tgt Ion:142 Resp: 31291

Ion Ratio Lower Upper

142 100

141 91.4 71.2 106.8



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF142041.D

Acq: 21 Mar 2025 20:48

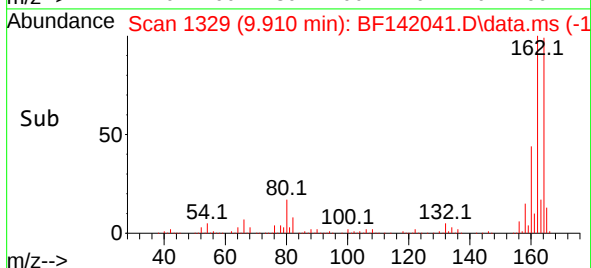
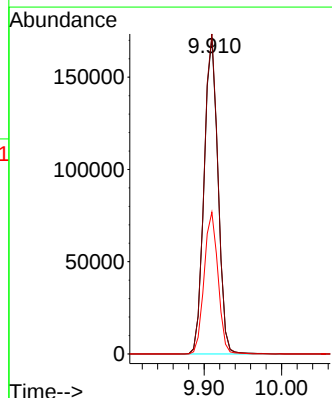
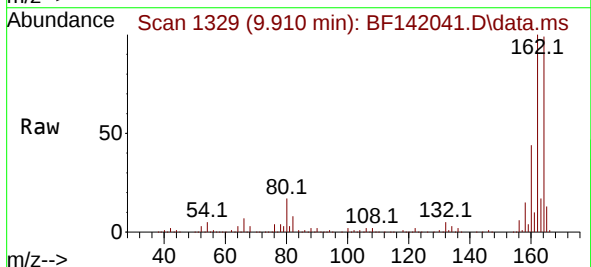
Tgt Ion:164 Resp: 213450

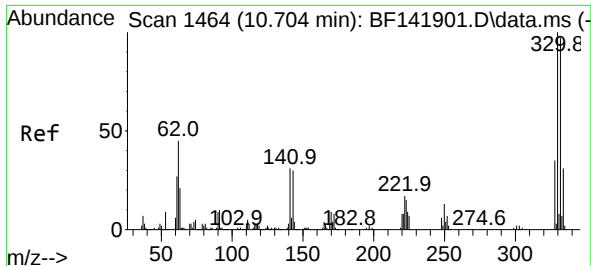
Ion Ratio Lower Upper

164 100

162 101.1 81.8 122.6

160 44.8 36.7 55.1





#42

2,4,6-Tribromophenol

Concen: 146.219 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.006 min

Lab File: BF142041.D

Acq: 21 Mar 2025 20:48

Instrument :

BNA_F

ClientSampleId :

3-CONCRETE-SLAB

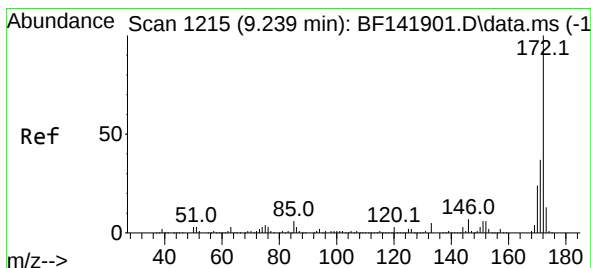
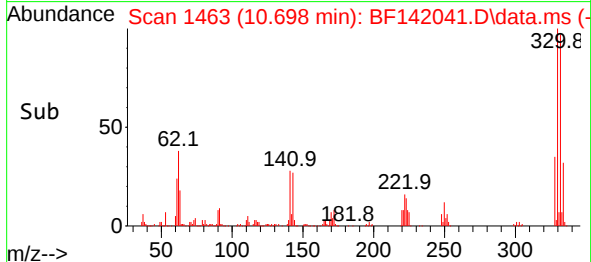
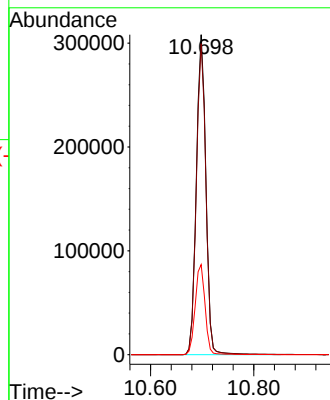
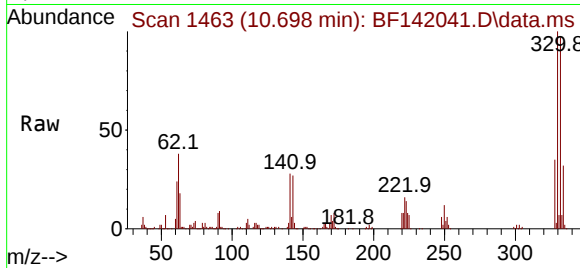
Tgt Ion:330 Resp: 395947

Ion Ratio Lower Upper

330 100

332 97.2 77.6 116.4

141 29.1 24.7 37.1



#45

2-Fluorobiphenyl

Concen: 110.498 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142041.D

Acq: 21 Mar 2025 20:48

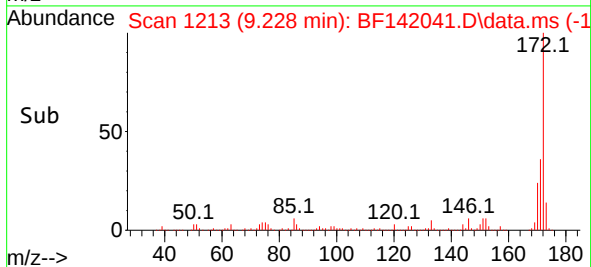
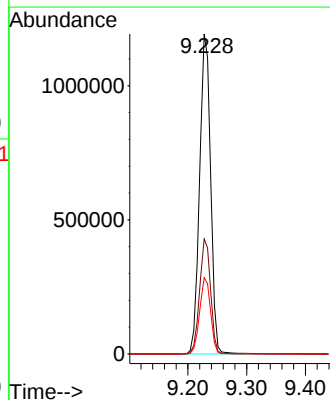
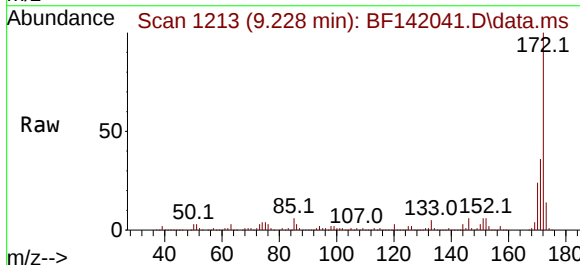
Tgt Ion:172 Resp: 1550873

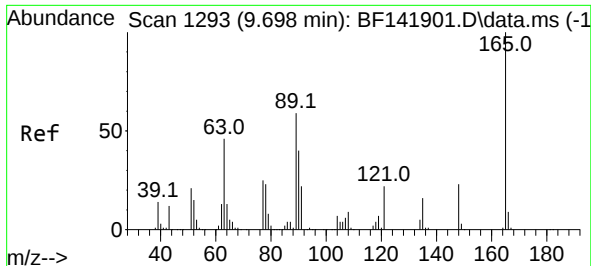
Ion Ratio Lower Upper

172 100

171 35.9 29.3 43.9

170 23.9 19.4 29.0

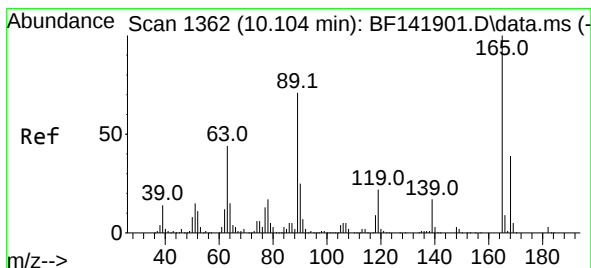
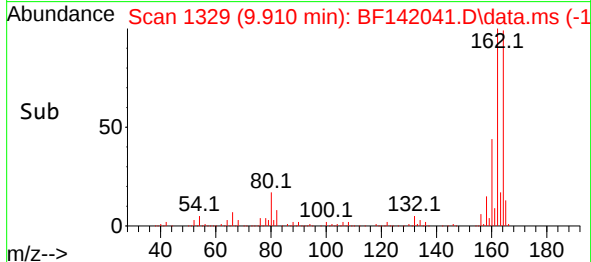
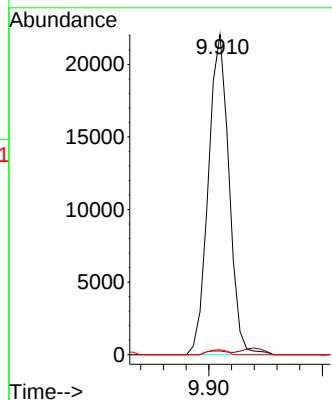
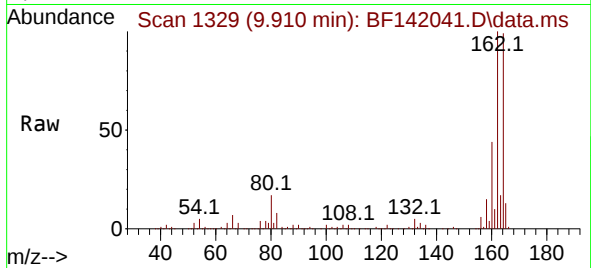




#51
2,6-Dinitrotoluene
Concen: 8.954 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142041.D
Acq: 21 Mar 2025 20:48

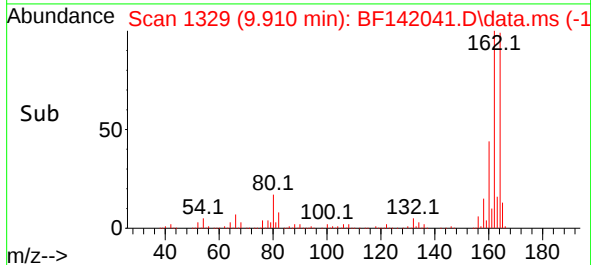
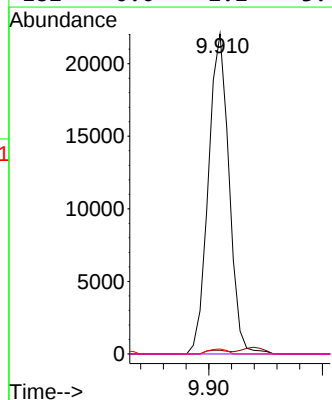
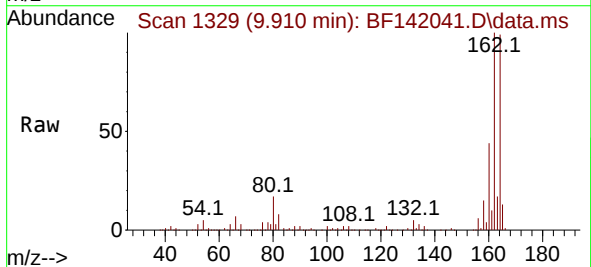
Instrument :
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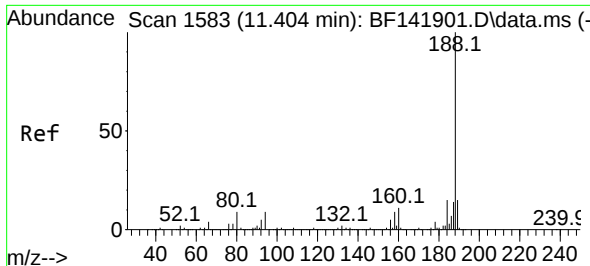
Tgt Ion:165 Resp: 27867
Ion Ratio Lower Upper
165 100
63 1.1 47.0 70.4#
89 1.6 47.4 71.2#



#57
2,4-Dinitrotoluene
Concen: 6.856 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.194 min
Lab File: BF142041.D
Acq: 21 Mar 2025 20:48

Tgt Ion:165 Resp: 27867
Ion Ratio Lower Upper
165 100
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89 1.6 56.6 84.8#
182 0.0 2.2 3.4#

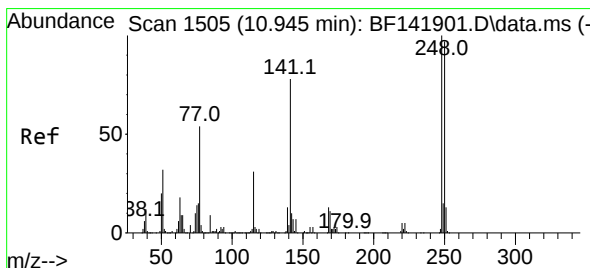
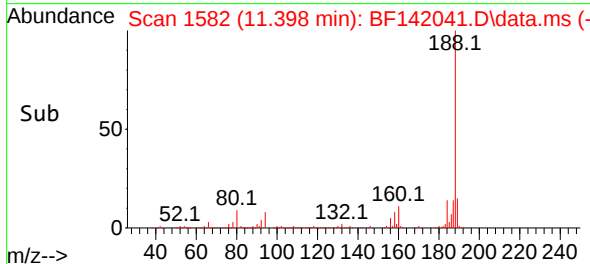
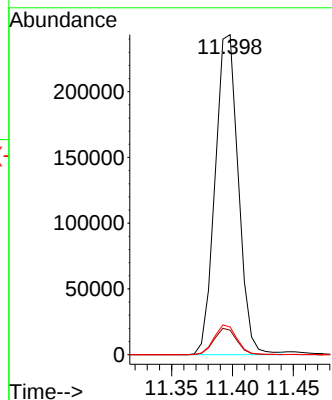
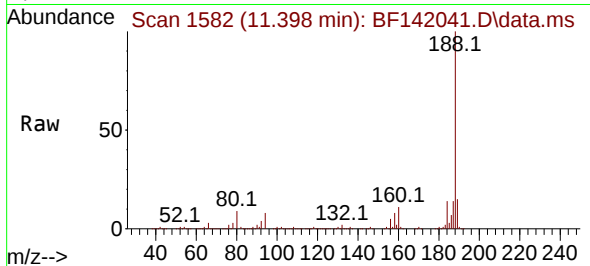




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142041.D
Acq: 21 Mar 2025 20:48

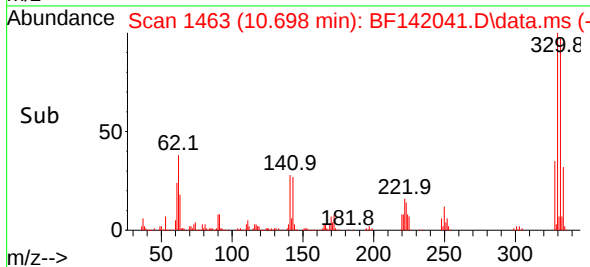
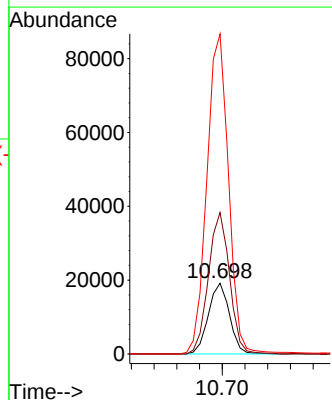
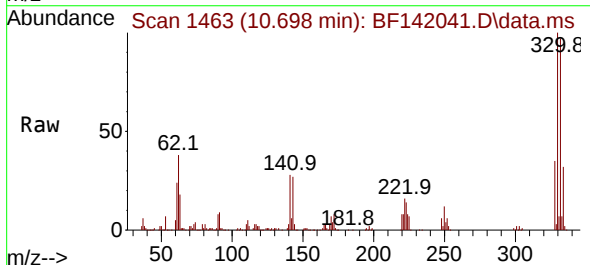
Instrument :
BNA_F
ClientSampleId :
3-CONCRETE-SLAB

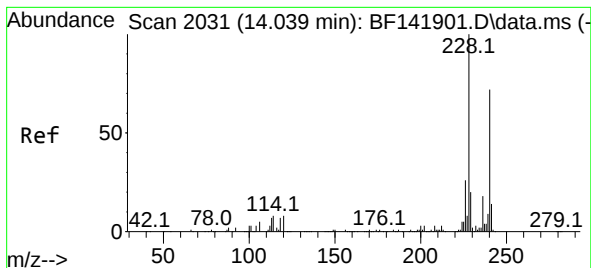
Tgt Ion:188 Resp: 322795
Ion Ratio Lower Upper
188 100
94 7.7 6.8 10.2
80 8.6 7.6 11.4



#67
4-Bromophenyl-phenylether
Concen: 6.110 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF142041.D
Acq: 21 Mar 2025 20:48

Tgt Ion:248 Resp: 24770
Ion Ratio Lower Upper
248 100
250 199.9 77.8 116.8#
141 452.4 62.6 93.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.033 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF142041.D

Acq: 21 Mar 2025 20:48

Instrument :

BNA_F

ClientSampleId :

3-CONCRETE-SLAB

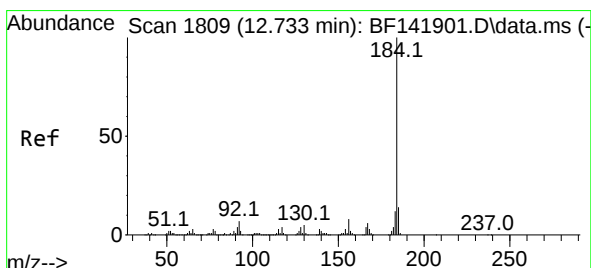
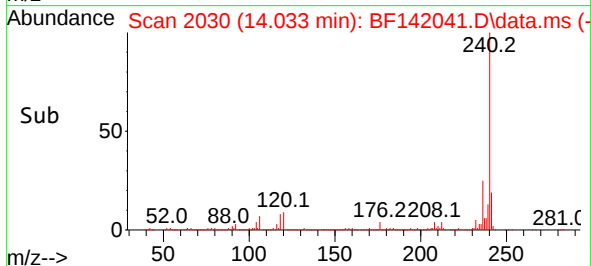
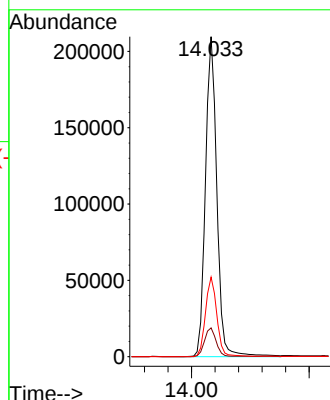
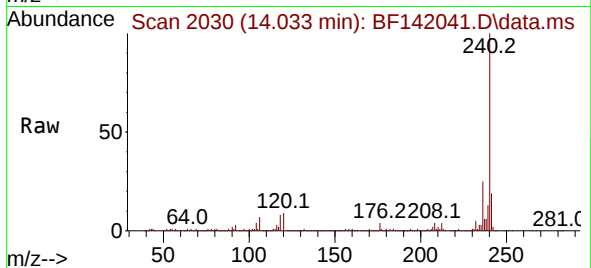
Tgt Ion:240 Resp: 281672

Ion Ratio Lower Upper

240 100

120 9.0 8.4 12.6

236 24.9 20.5 30.7



#77

Benzidine

Concen: 6.234 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.247 min

Lab File: BF142041.D

Acq: 21 Mar 2025 20:48

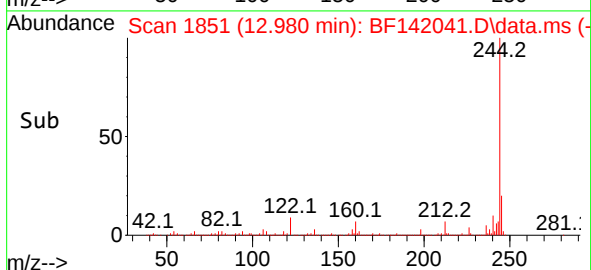
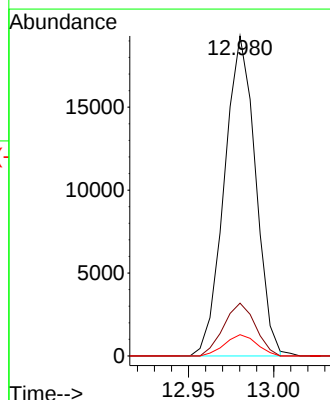
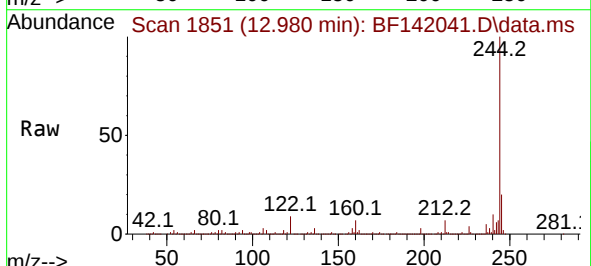
Tgt Ion:184 Resp: 24499

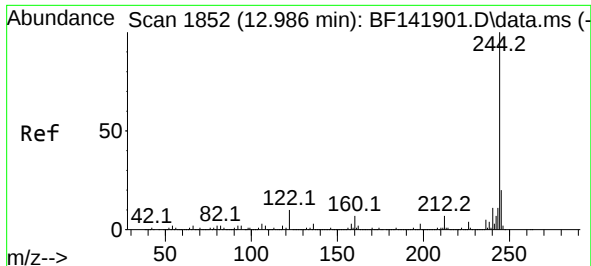
Ion Ratio Lower Upper

184 100

185 16.5 11.5 17.3

183 6.7 9.7 14.5#

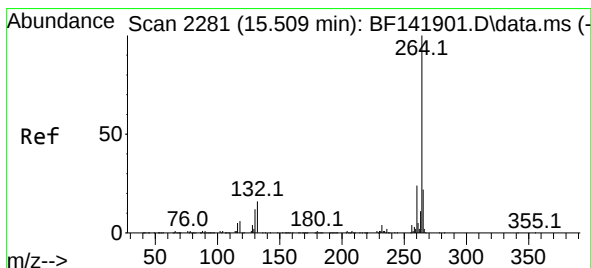
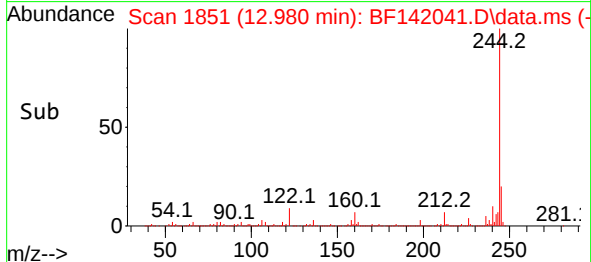
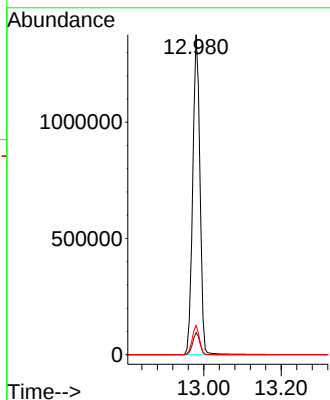
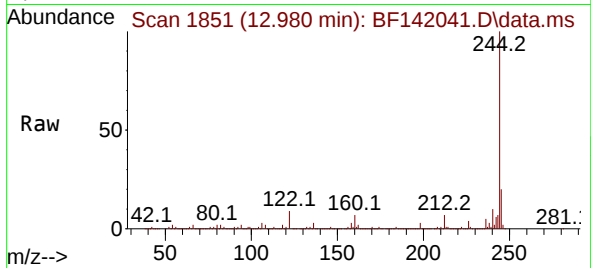




#79
 Terphenyl-d14
 Concen: 93.666 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142041.D
 Acq: 21 Mar 2025 20:48

Instrument :
 BNA_F
 ClientSampleId :
 3-CONCRETE-SLAB

Tgt Ion:244 Resp: 1784498
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 9.1 7.7 11.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.509 min Scan# 2281
 Delta R.T. 0.000 min
 Lab File: BF142041.D
 Acq: 21 Mar 2025 20:48

Tgt Ion:264 Resp: 228007
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.1 28.7
 265 21.9 17.5 26.3

