

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)

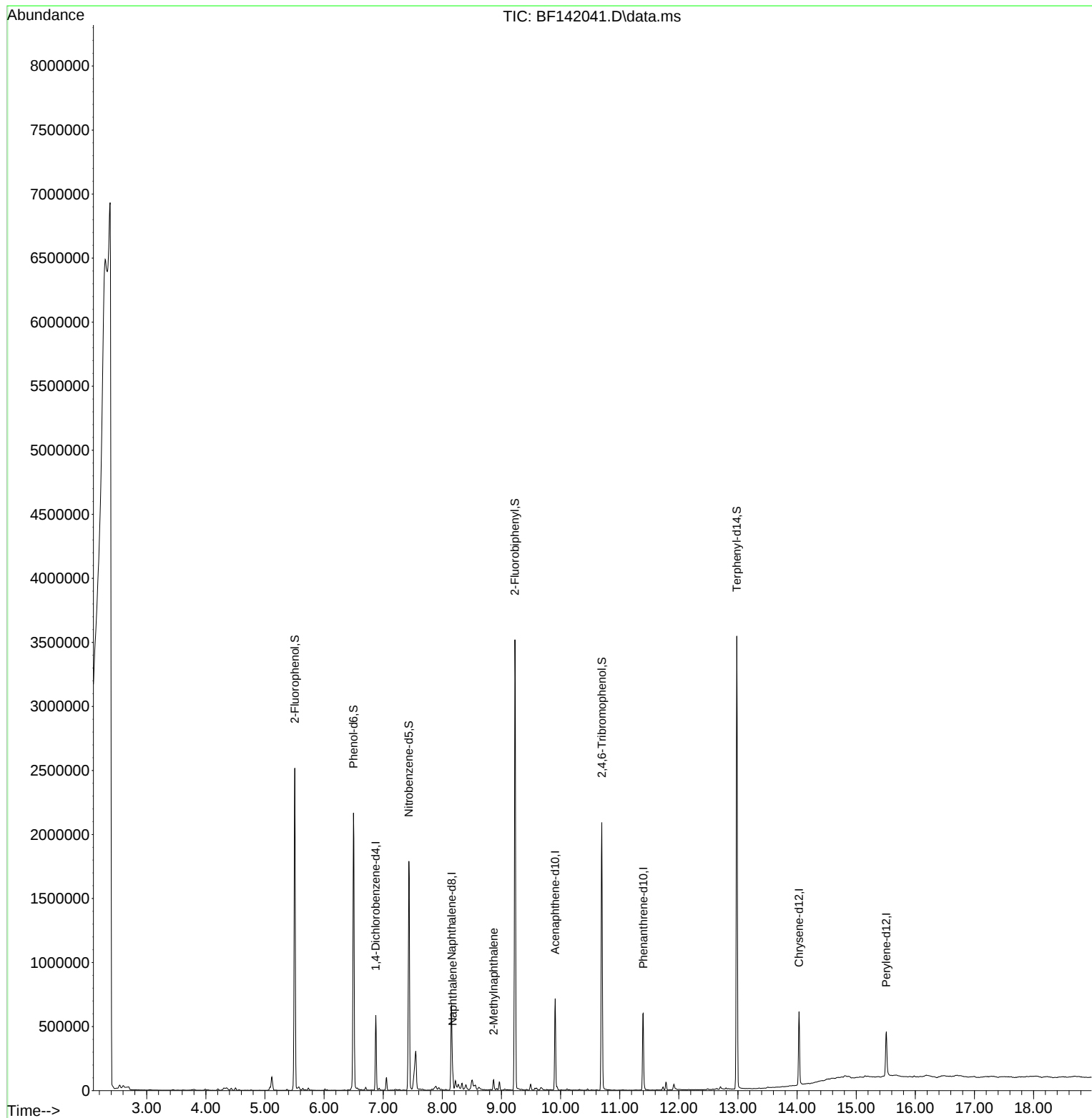
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	121960	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	434471	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	213450	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	322795	20.000	ng	0.00
76) Chrysene-d12	14.033	240	281672	20.000	ng	0.00
86) Perylene-d12	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						
31) Naphthalene	8.175	128	70960	3.179	ng	98
37) 2-Methylnaphthalene	8.869	142	31291	2.098	ng	97

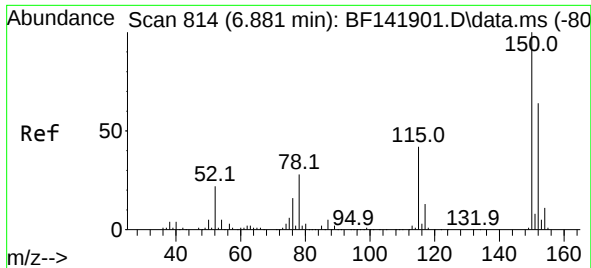
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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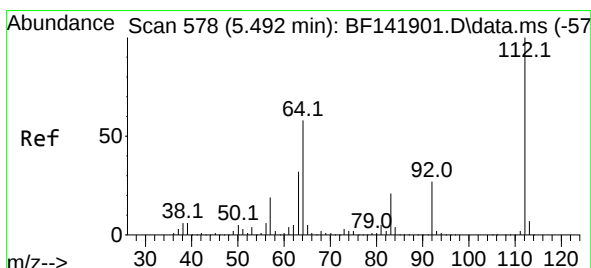
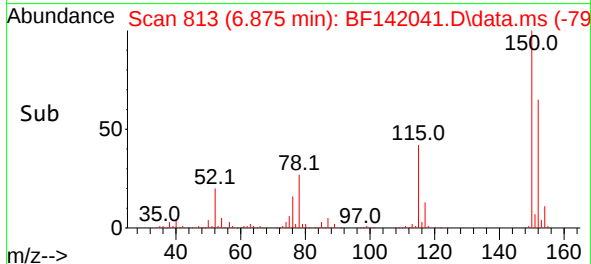
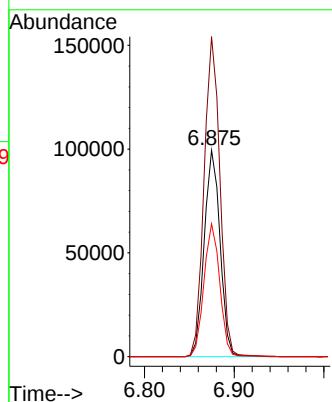
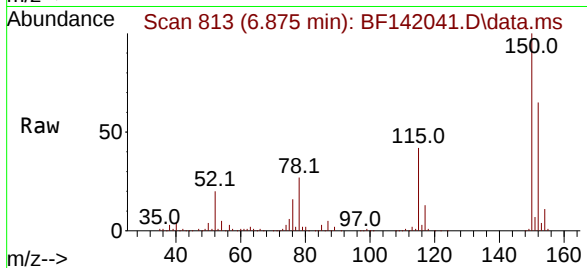




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 814
 Delta R.T. -0.006 min
 Lab File: BF142041.D
 Acq: 21 Mar 2025 20:48

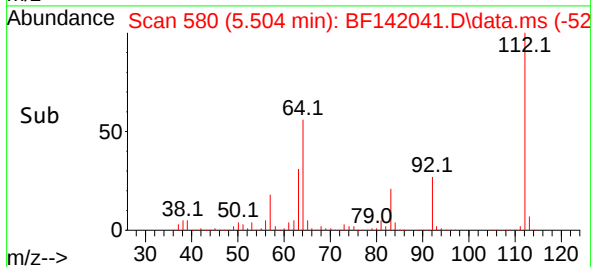
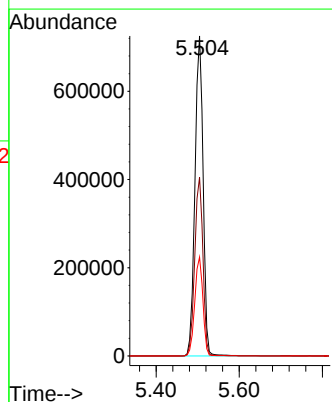
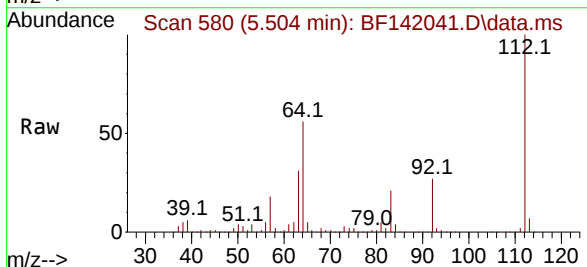
Instrument :
 BNA_F
 ClientSampleId :
 3-CONCRETE-SLAB

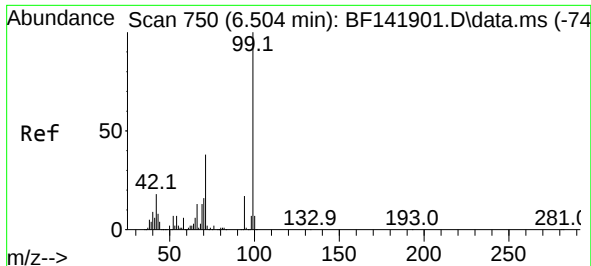
Tgt Ion:152 Resp: 121960
 Ion Ratio Lower Upper
 152 100
 150 155.0 127.4 191.2
 115 64.4 51.9 77.9



#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

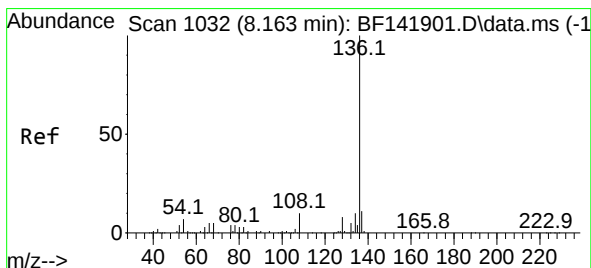
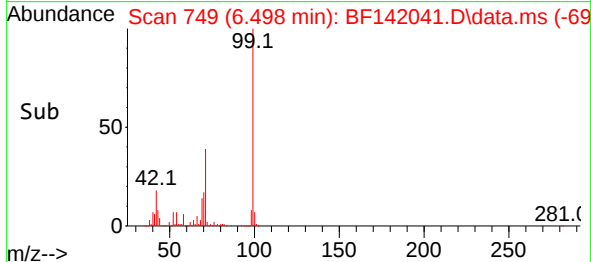
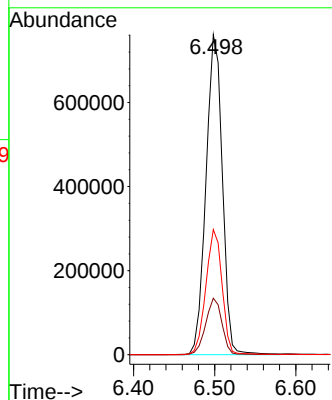
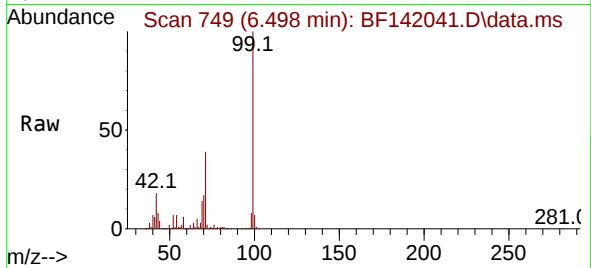




#7
Phenol-d6
Concen: 114.653 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF142041.D
Acq: 21 Mar 2025 20:48

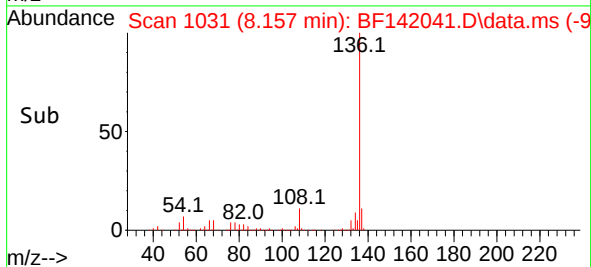
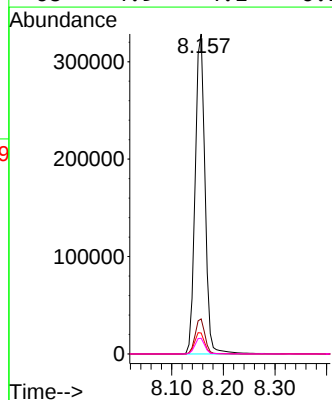
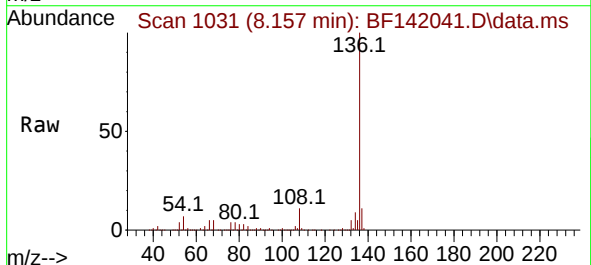
Instrument :
BNA_F
ClientSampleId :
3-CONCRETE-SLAB

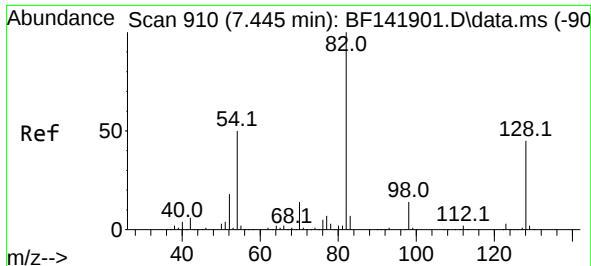
Tgt Ion: 99 Resp: 1066748
Ion Ratio Lower Upper
99 100
42 17.6 14.6 21.8
71 39.1 30.8 46.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF142041.D
Acq: 21 Mar 2025 20:48

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# 90

Delta R.T. -0.012 min

Lab File: BF142041.D

Acq: 21 Mar 2025 20:48

Instrument :

BNA_F

ClientSampleId :

3-CONCRETE-SLAB

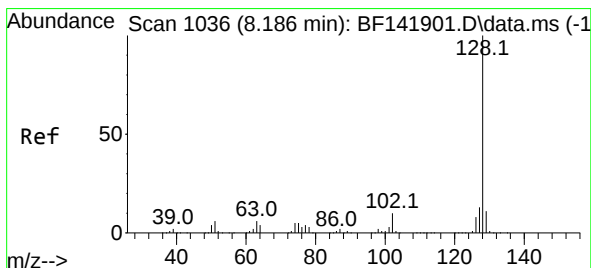
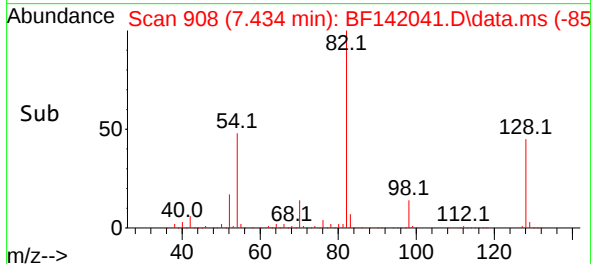
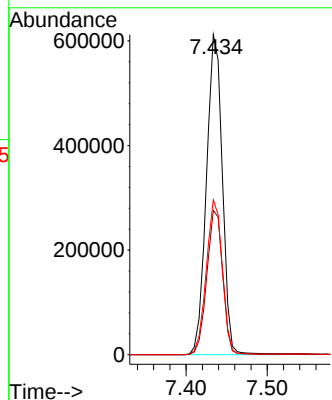
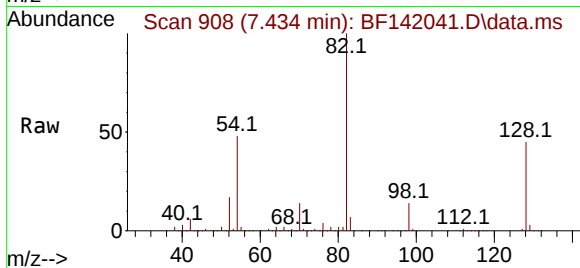
Tgt Ion: 82 Resp: 833291

Ion Ratio Lower Upper

82 100

128 45.1 36.0 54.0

54 48.4 39.6 59.4



#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

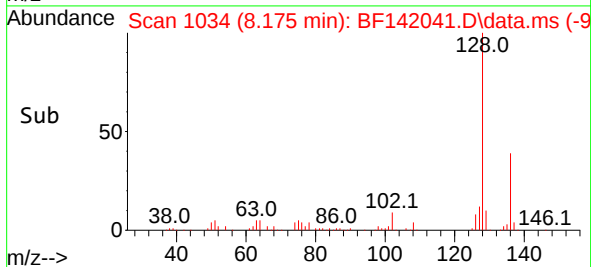
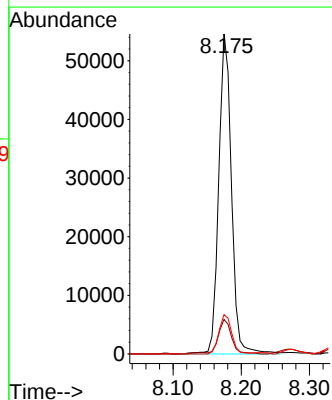
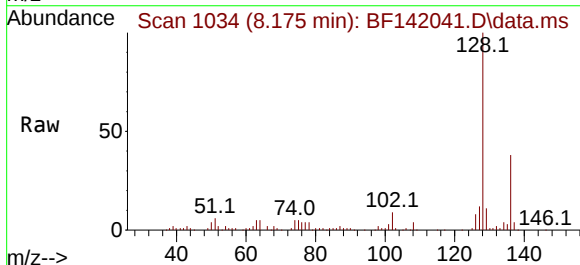
Tgt Ion: 128 Resp: 70960

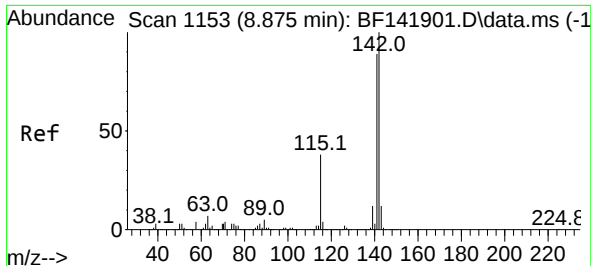
Ion Ratio Lower Upper

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 :

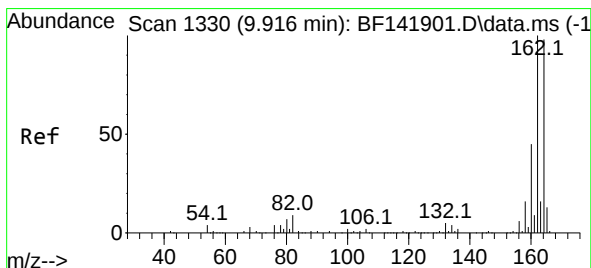
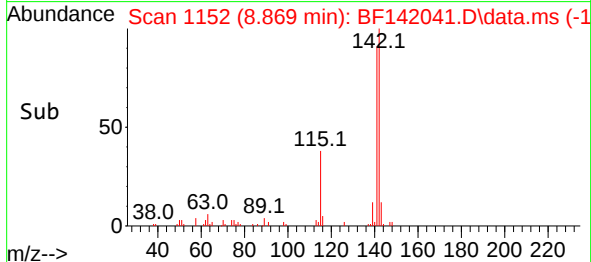
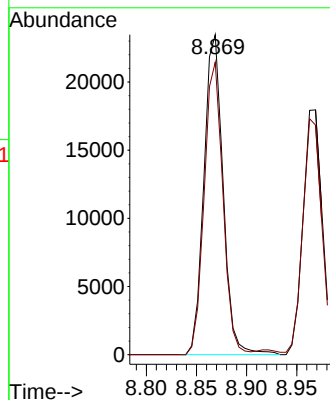
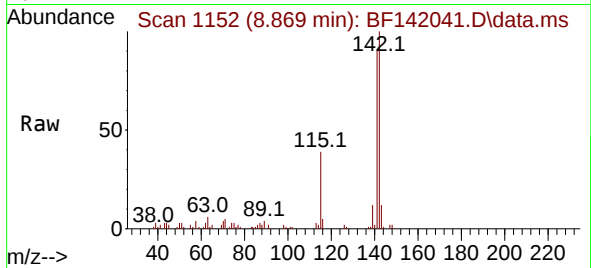
3-CONCRETE-SLAB

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

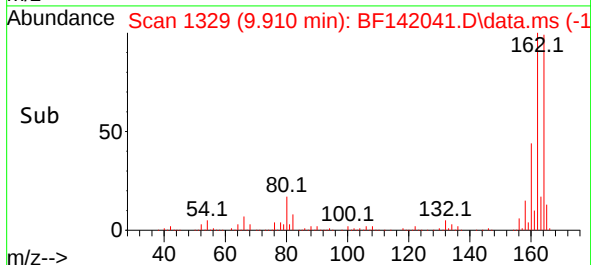
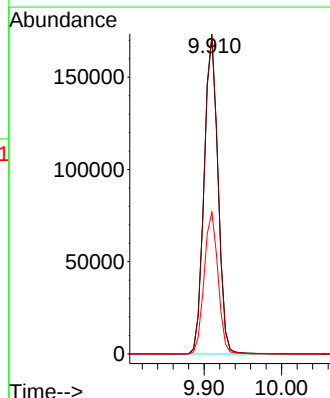
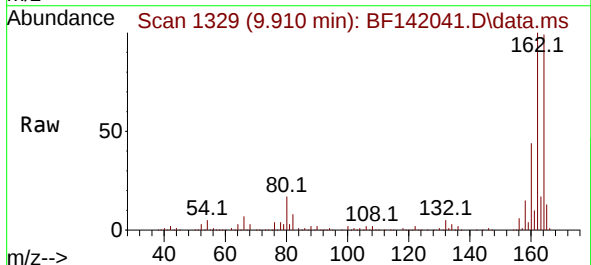
Tgt Ion:164 Resp: 213450

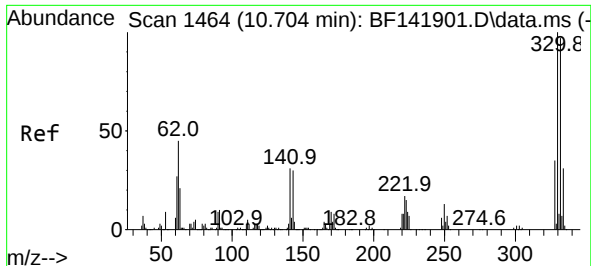
Ion Ratio Lower Upper

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

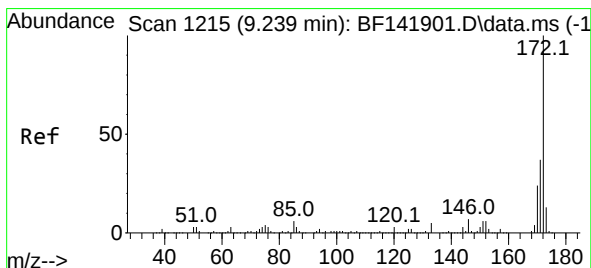
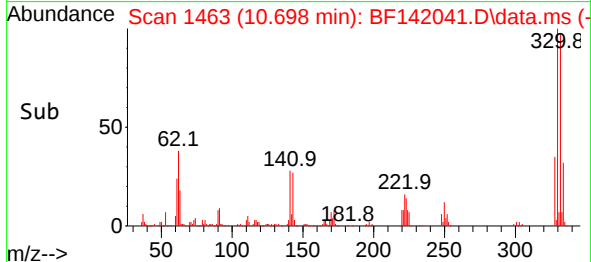
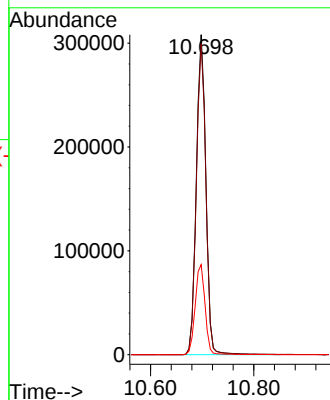
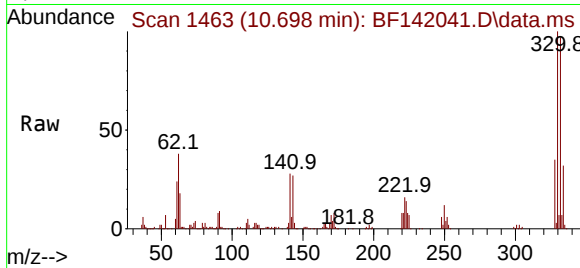
Tgt Ion:330 Resp: 395947

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

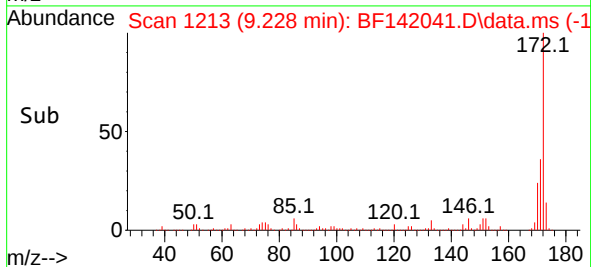
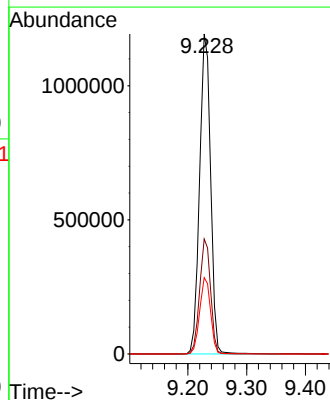
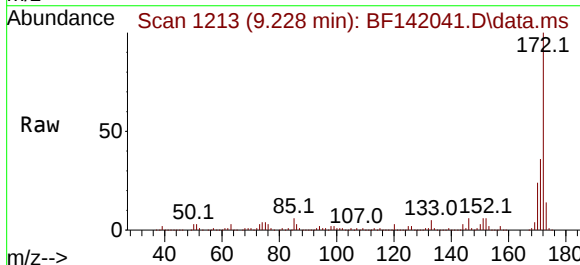
Tgt Ion:172 Resp: 1550873

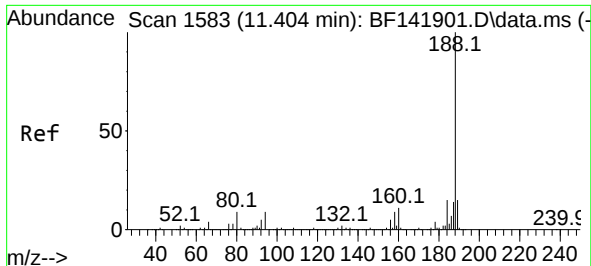
Ion Ratio Lower Upper

172 100

171 35.9 29.3 43.9

170 23.9 19.4 29.0

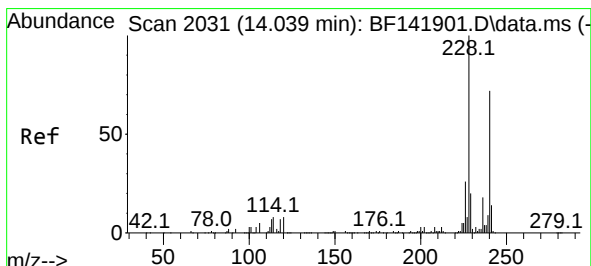
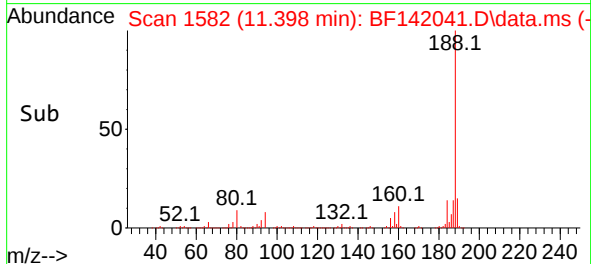
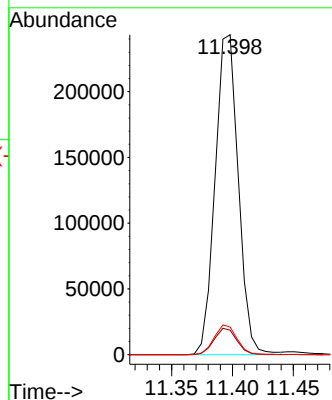
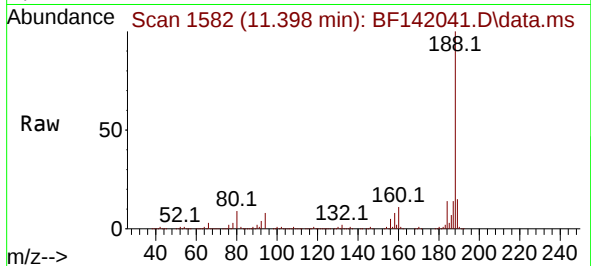




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142041.D
Acq: 21 Mar 2025 20:48

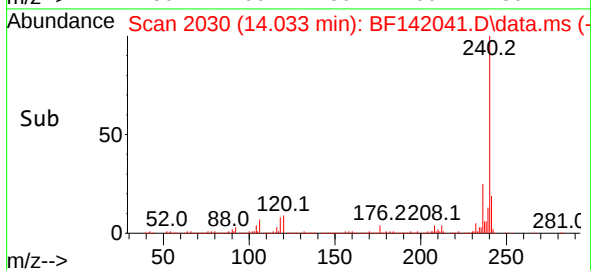
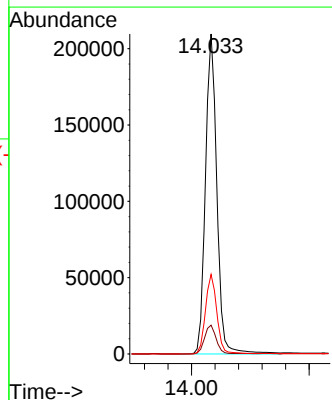
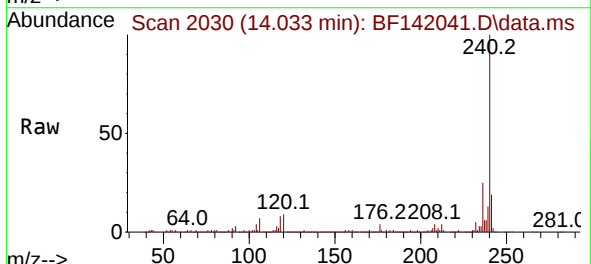
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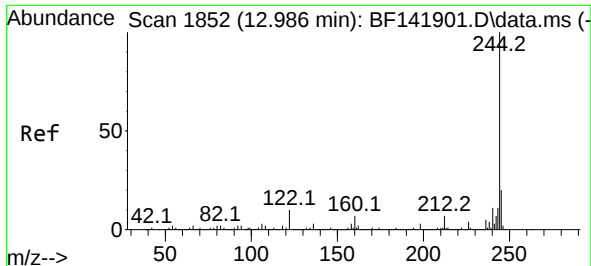
Tgt Ion:188 Resp: 322795
Ion Ratio Lower Upper
188 100
94 7.7 6.8 10.2
80 8.6 7.6 11.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142041.D
Acq: 21 Mar 2025 20:48

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

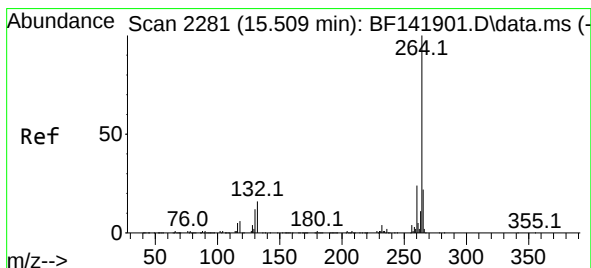
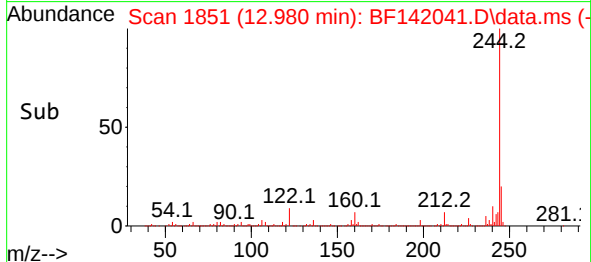
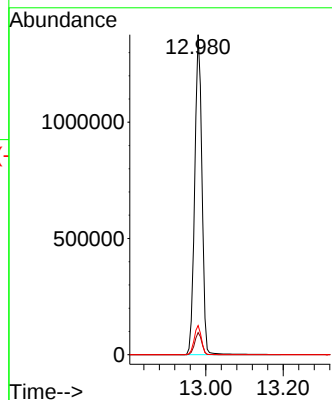
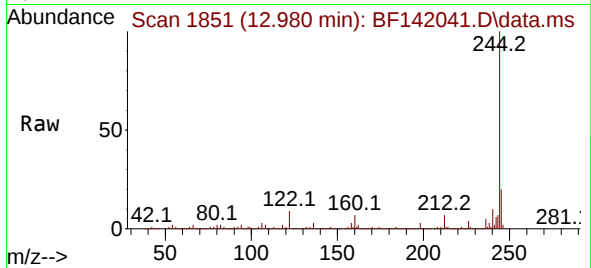




#79
 Terphenyl-d14
 Concen: 93.666 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.006 min
 Lab File: BF142041.D
 Acq: 21 Mar 2025 20:48

Instrument :
 BNA_F
 ClientSampleId :
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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

