

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063025\
 Data File : BF142937.D
 Acq On : 01 Jul 2025 02:14
 Operator : RC/JU
 Sample : Q2445-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-PAD-6-27-25

Quant Time: Jul 01 03:04:56 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

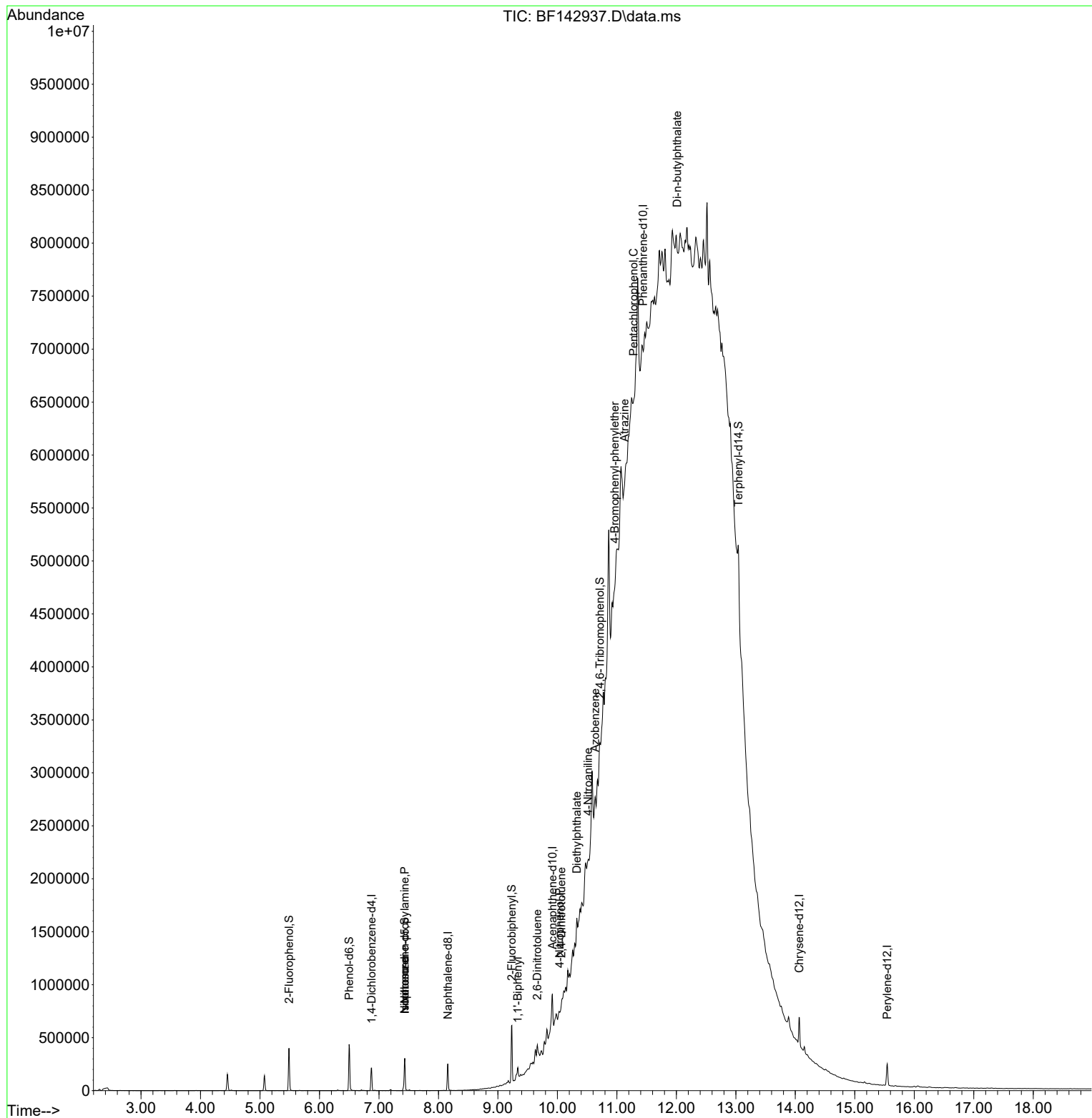
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	49225	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	159596	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	73805	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	80601	20.000	ng	# 0.03
76) Chrysene-d12	14.068	240	135556	20.000	ng	0.01
86) Perylene-d12	15.545	264	116872	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	152357	51.531	ng	0.00
7) Phenol-d6	6.498	99	200723	57.543	ng	-0.01
23) Nitrobenzene-d5	7.434	82	123290	42.373	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	35494	46.733	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	246556	43.885	ng	-0.01
79) Terphenyl-d14	13.045	244	254214	25.912	ng	0.05
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	16232	8.001	ng	# 77
25) Isophorone	7.434	82	123289	26.414	ng	# 62
46) 1,1'-Biphenyl	9.333	154	44631	7.655	ng	100
51) 2,6-Dinitrotoluene	9.663	165	16250	15.488	ng	# 31
56) 4-Nitrophenol	10.039	139	2240	2.833	ng	# 1
57) 2,4-Dinitrotoluene	10.069	165	2792	2.003	ng	# 39
60) Diethylphthalate	10.328	149	9731	2.077	ng	# 41
62) 4-Nitroaniline	10.516	138	3470	3.285	ng	# 39
63) Azobenzene	10.633	77	18778	4.485	ng	# 45
67) 4-Bromophenyl-phenylether	10.963	248	3246	3.539	ng	# 1
69) Atrazine	11.127	200	11297	15.661	ng	# 1
70) Pentachlorophenol	11.280	266	3362	6.619	ng	# 1
74) Di-n-butylphthalate	12.016	149	18975	4.714	ng	# 32

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

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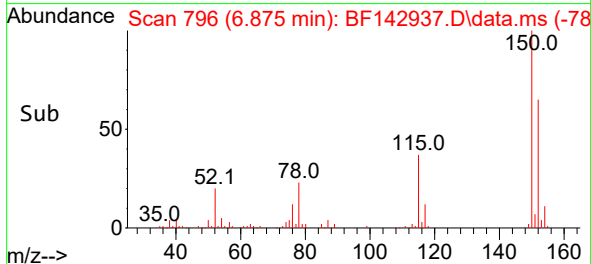
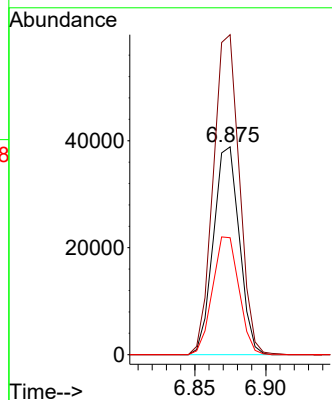
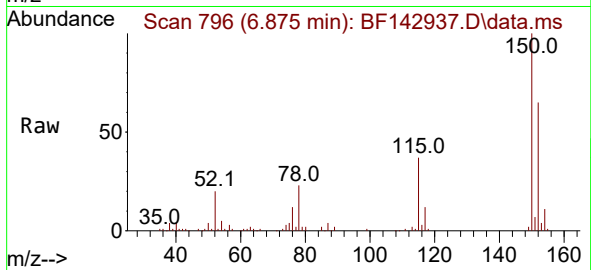




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: BF142937.D
 Acq: 01 Jul 2025 02:14

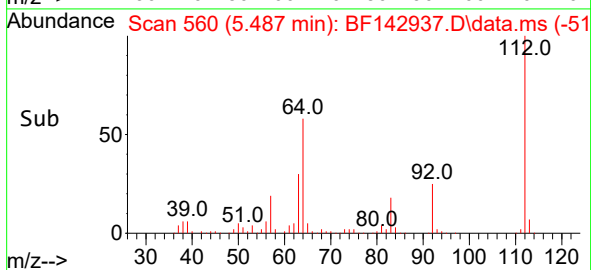
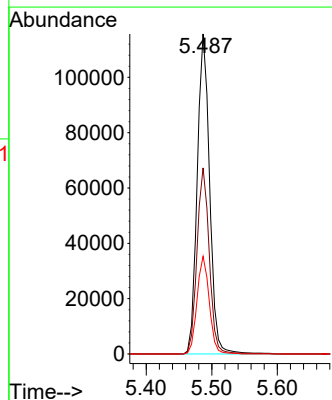
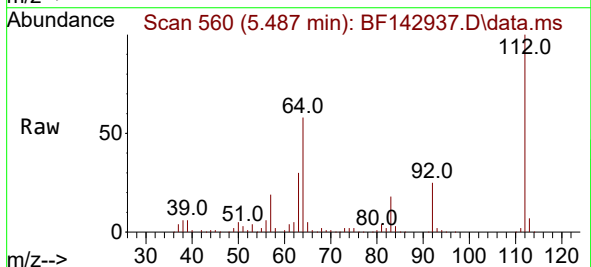
Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-PAD-6-27-25

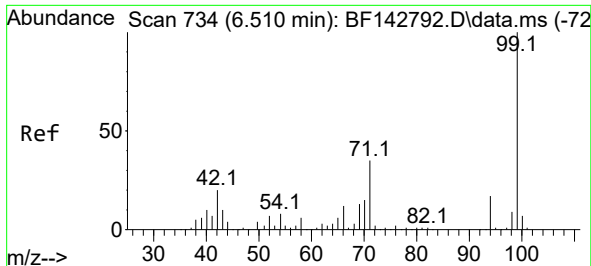
Tgt Ion:152 Resp: 49225
 Ion Ratio Lower Upper
 152 100
 150 153.9 127.2 190.8
 115 56.3 46.6 69.8



#5
 2-Fluorophenol
 Concen: 51.531 ng
 RT: 5.487 min Scan# 560
 Delta R.T. -0.005 min
 Lab File: BF142937.D
 Acq: 01 Jul 2025 02:14

Tgt Ion:112 Resp: 152357
 Ion Ratio Lower Upper
 112 100
 64 58.2 48.2 72.2
 63 30.5 25.7 38.5

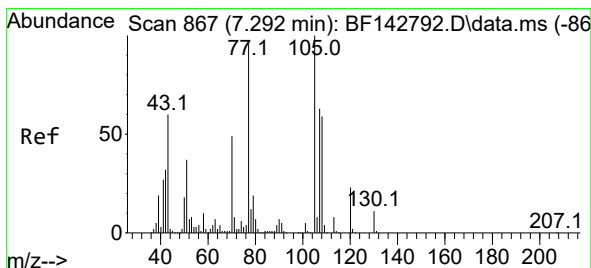
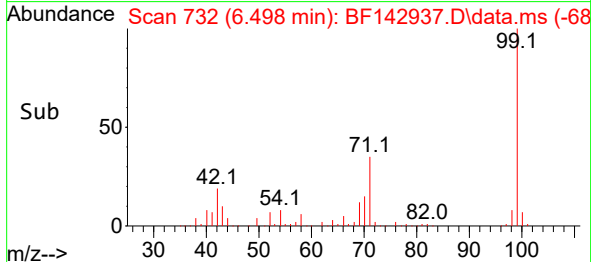
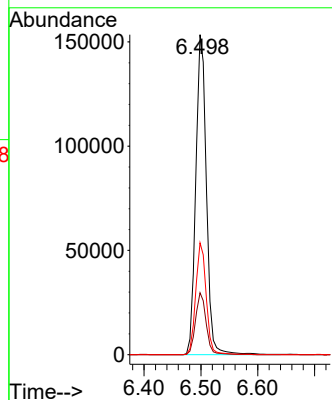
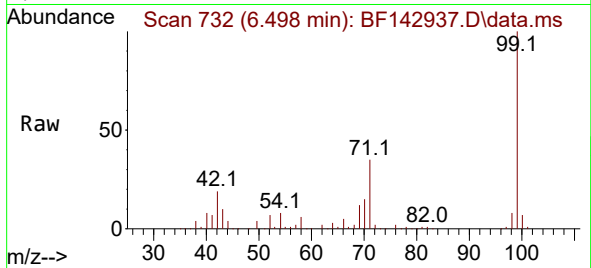




#7
Phenol-d6
Concen: 57.543 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

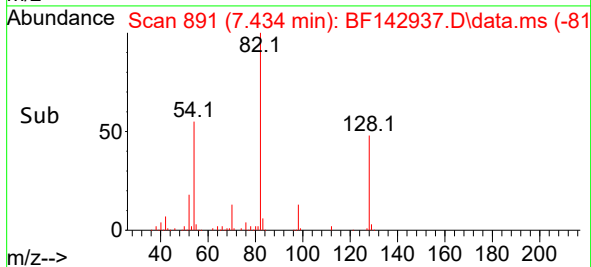
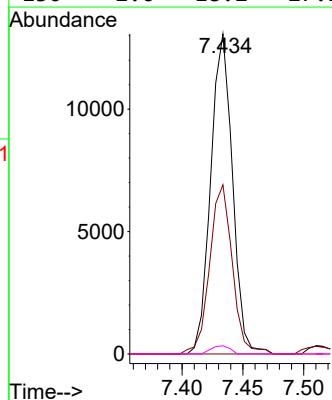
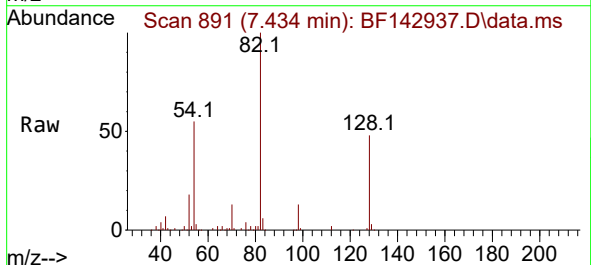
Instrument :
BNA_F
ClientSampleId :
CONCRETE-PAD-6-27-25

Tgt Ion: 99 Resp: 200723
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 35.0 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 8.001 ng
RT: 7.434 min Scan# 891
Delta R.T. 0.141 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

Tgt Ion: 70 Resp: 16232
Ion Ratio Lower Upper
70 100
42 52.8 52.1 78.1
101 0.0 8.2 12.2#
130 2.6 18.2 27.2#

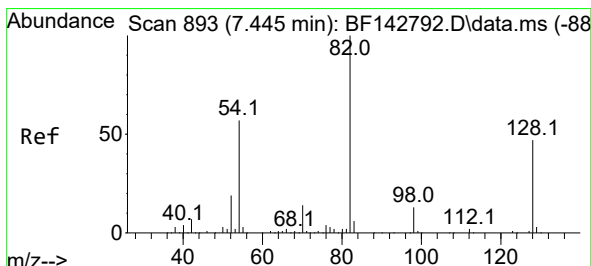
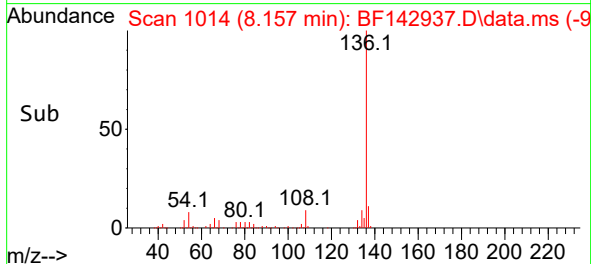
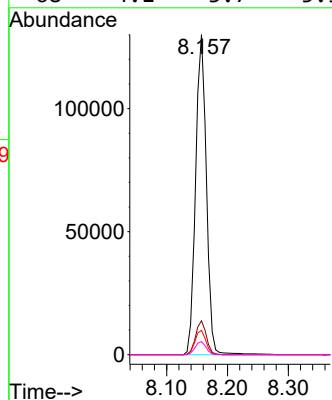
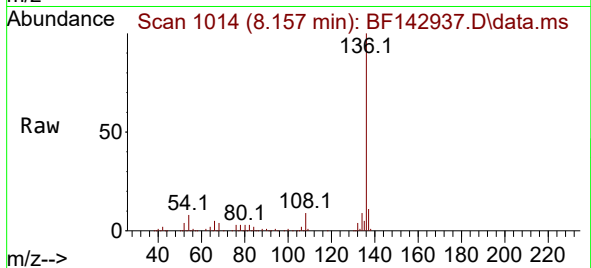




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

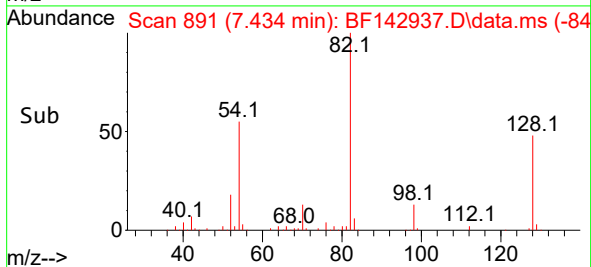
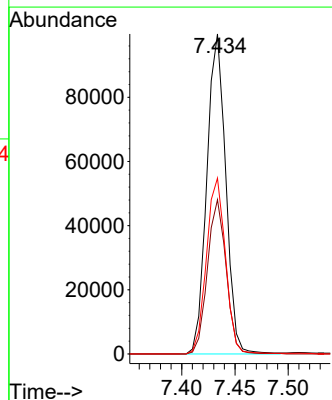
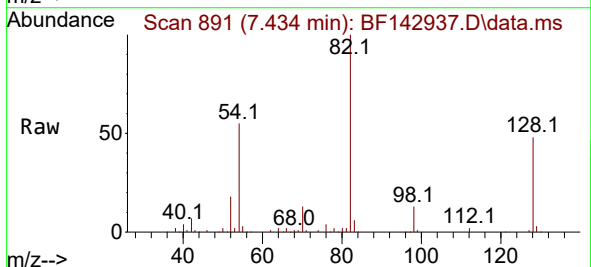
Instrument :
BNA_F
ClientSampleId :
CONCRETE-PAD-6-27-25

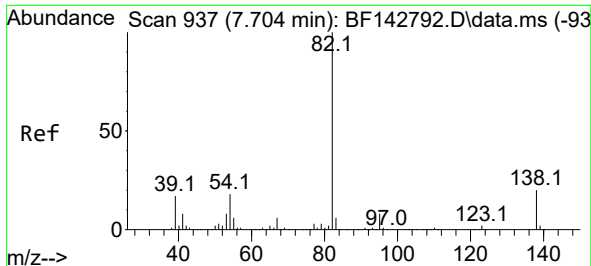
Tgt Ion:136	Resp: 159596
Ion Ratio	Lower Upper
136 100	
137 10.6	8.4 12.6
54 7.6	6.3 9.5
68 4.1	3.7 5.5



#23
Nitrobenzene-d5
Concen: 42.373 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

Tgt Ion: 82	Resp: 123290
Ion Ratio	Lower Upper
82 100	
128 48.2	37.7 56.5
54 55.0	45.7 68.5

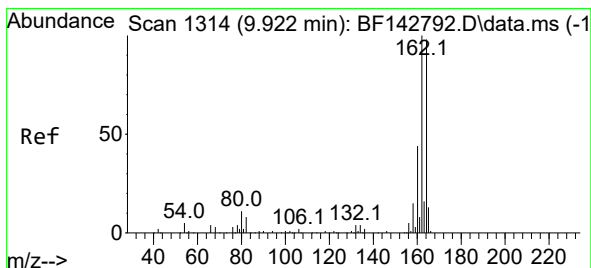
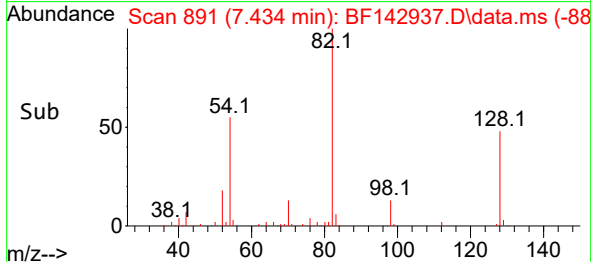
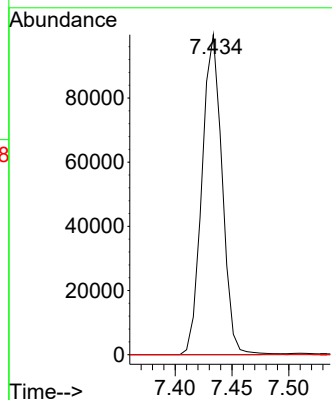
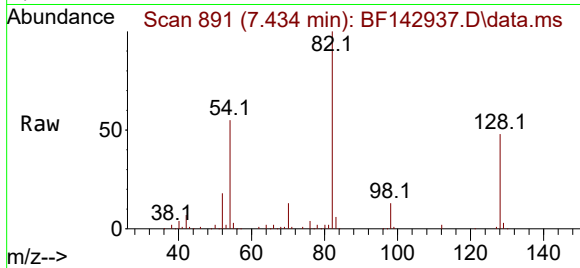




#25
Isophorone
Concen: 26.414 ng
RT: 7.434 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

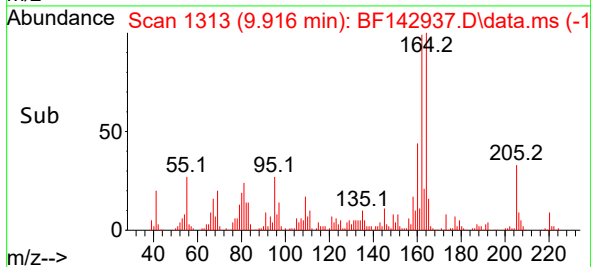
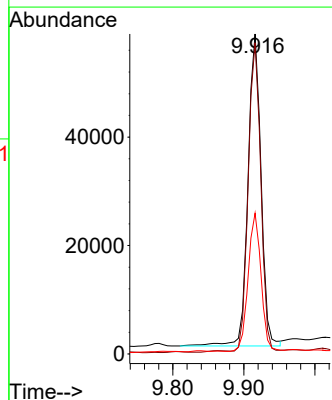
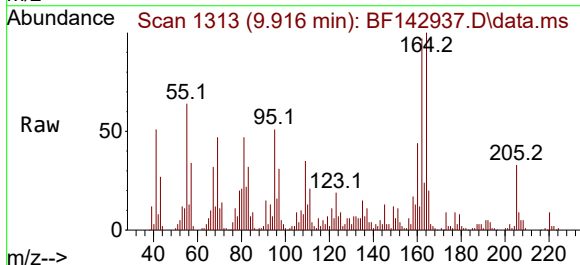
Instrument :
BNA_F
ClientSampleId :
CONCRETE-PAD-6-27-25

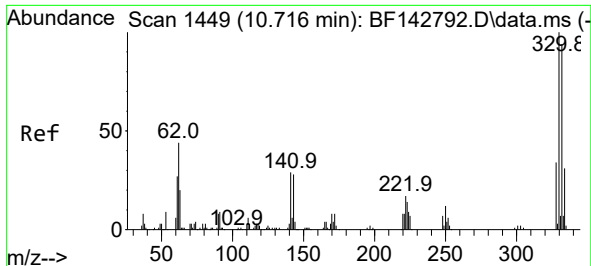
Tgt Ion: 82 Resp: 123289
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

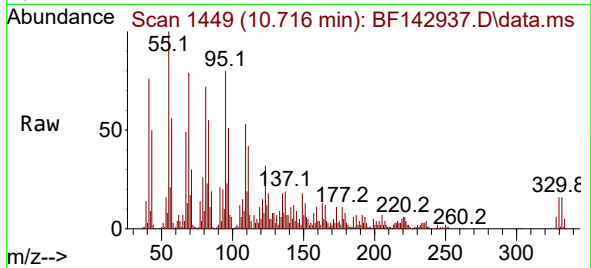
Tgt Ion:164 Resp: 73805
Ion Ratio Lower Upper
164 100
162 97.3 81.8 122.8
160 44.0 36.0 54.0



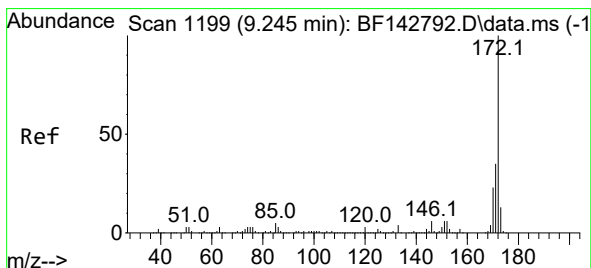
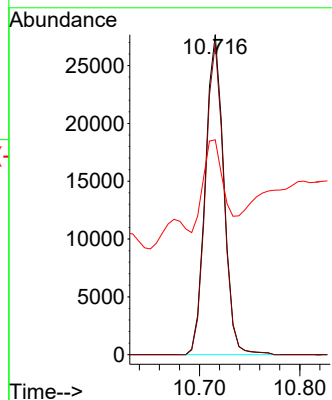
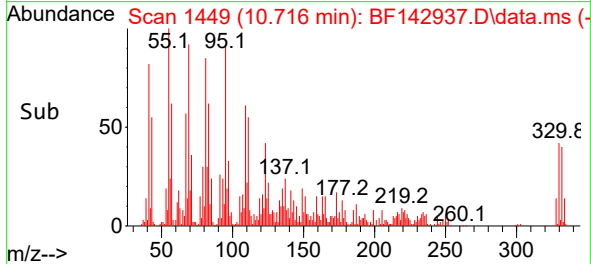


#42
2,4,6-Tribromophenol
Concen: 46.733 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.000 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

Instrument :
BNA_F
ClientSampleId :
CONCRETE-PAD-6-27-25

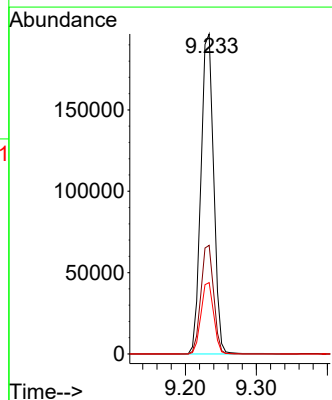
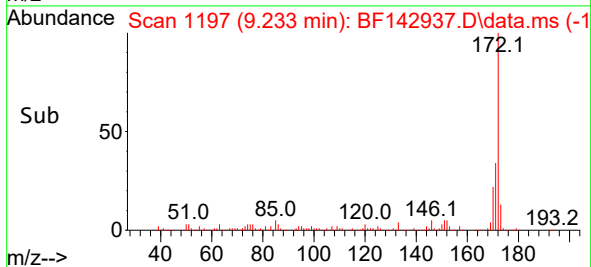
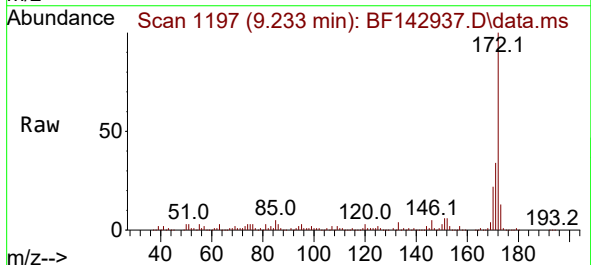


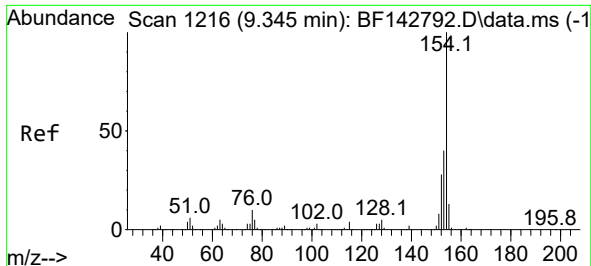
Tgt Ion: 330 Resp: 35494
Ion Ratio Lower Upper
330 100
332 96.5 75.0 112.6
141 31.0 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 43.885 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

Tgt Ion: 172 Resp: 246556
Ion Ratio Lower Upper
172 100
171 34.0 28.2 42.4
170 22.3 18.5 27.7

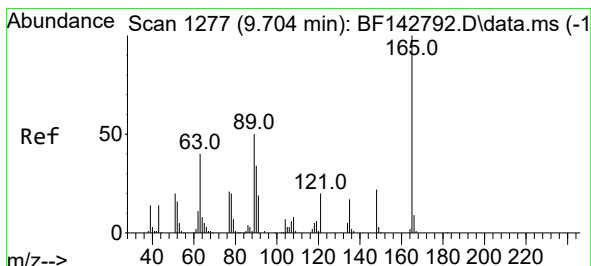
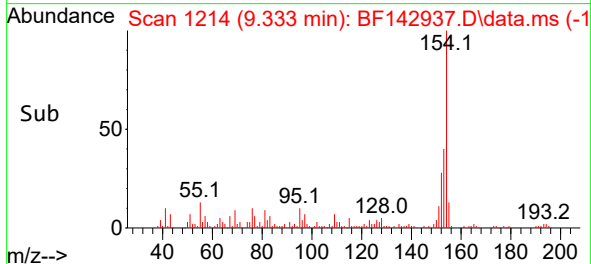
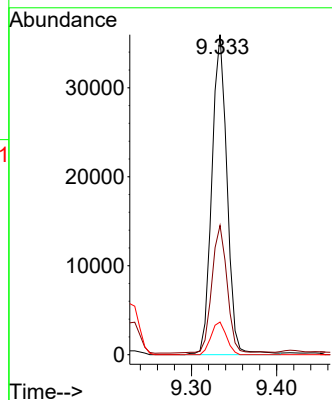
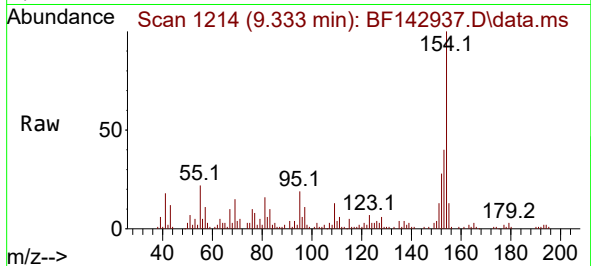




#46
 1,1'-Biphenyl
 Concen: 7.655 ng
 RT: 9.333 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF142937.D
 Acq: 01 Jul 2025 02:14

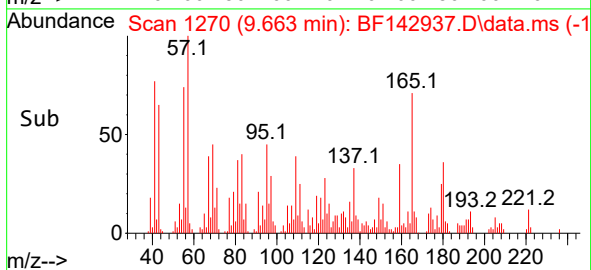
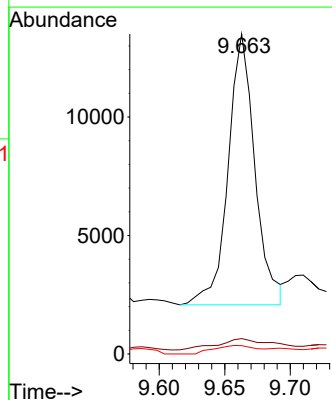
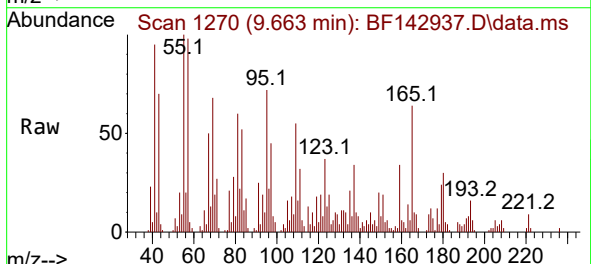
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 CONCRETE-PAD-6-27-25

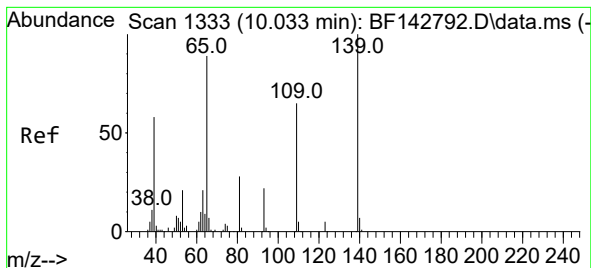
Tgt Ion:154 Resp: 44631
 Ion Ratio Lower Upper
 154 100
 153 40.4 20.3 60.3
 76 10.2 0.0 30.3



#51
 2,6-Dinitrotoluene
 Concen: 15.488 ng
 RT: 9.663 min Scan# 1270
 Delta R.T. -0.041 min
 Lab File: BF142937.D
 Acq: 01 Jul 2025 02:14

Tgt Ion:165 Resp: 16250
 Ion Ratio Lower Upper
 165 100
 63 4.8 44.2 66.4#
 89 2.6 39.8 59.8#





#56

4-Nitrophenol

Concen: 2.833 ng

RT: 10.039 min Scan# 1

Delta R.T. 0.006 min

Lab File: BF142937.D

Acq: 01 Jul 2025 02:14

Instrument :

BNA_F

ClientSampleId :

CONCRETE-PAD-6-27-25

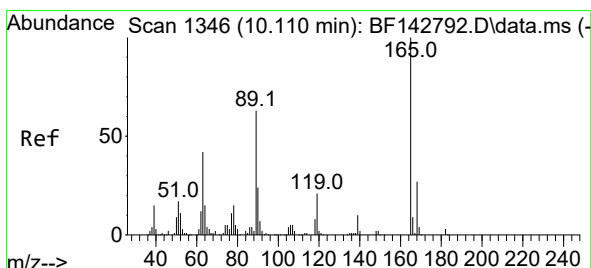
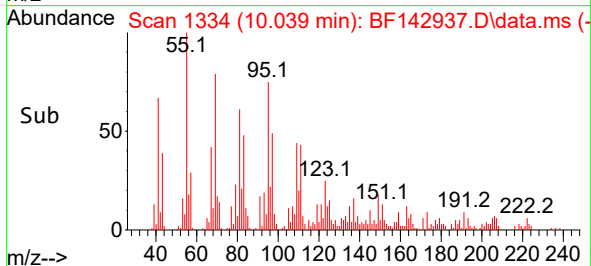
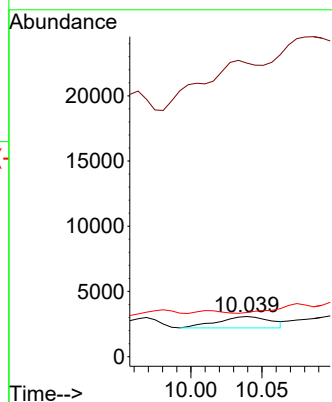
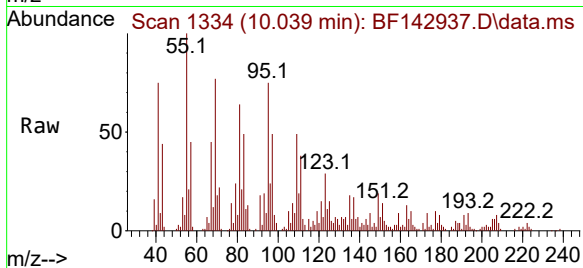
Tgt Ion:139 Resp: 2240

Ion Ratio Lower Upper

139 100

109 731.1 44.7 84.7#

65 109.8 69.8 109.8#



#57

2,4-Dinitrotoluene

Concen: 2.003 ng

RT: 10.069 min Scan# 1339

Delta R.T. -0.041 min

Lab File: BF142937.D

Acq: 01 Jul 2025 02:14

Tgt Ion:165 Resp: 2792

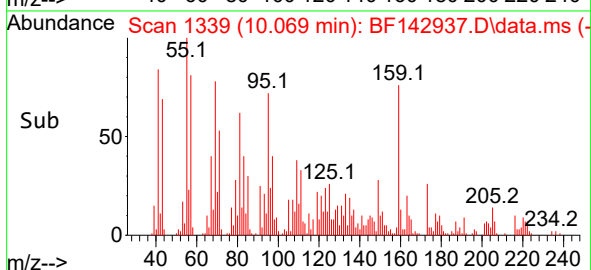
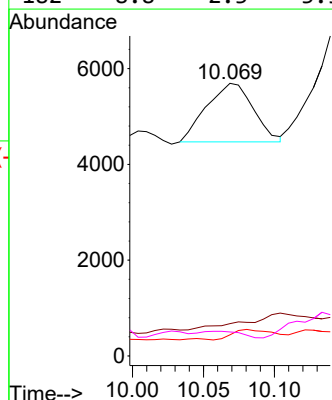
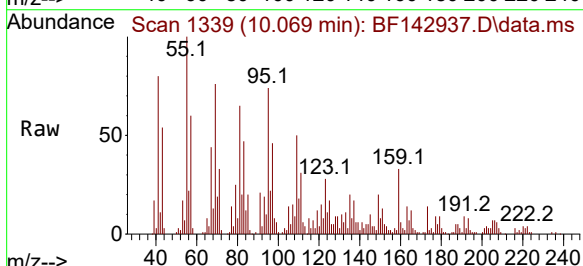
Ion Ratio Lower Upper

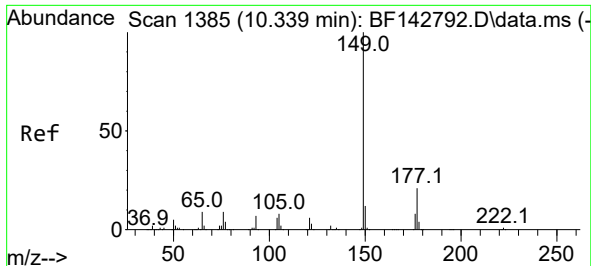
165 100

63 11.9 33.9 50.9#

89 7.7 50.6 75.8#

182 8.8 2.3 3.5#

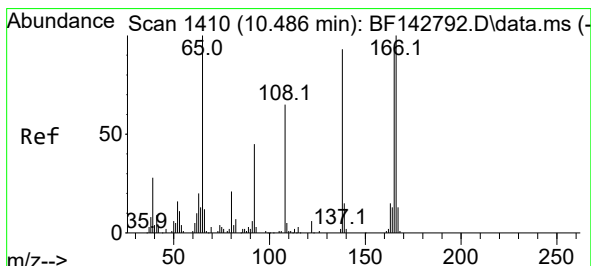
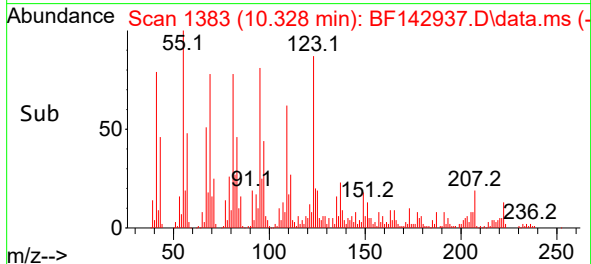
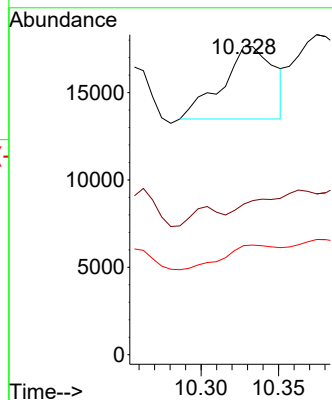
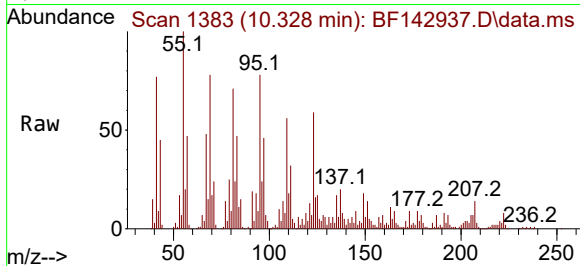




#60
Diethylphthalate
Concen: 2.077 ng
RT: 10.328 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

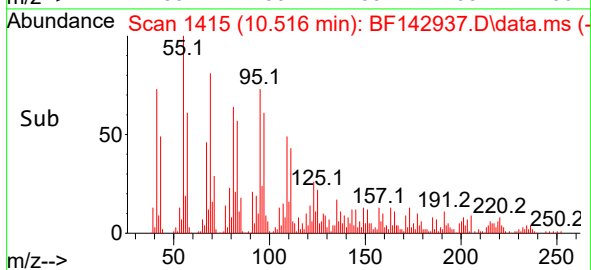
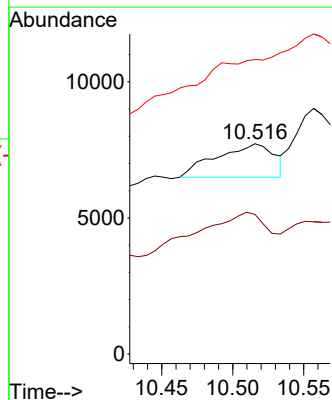
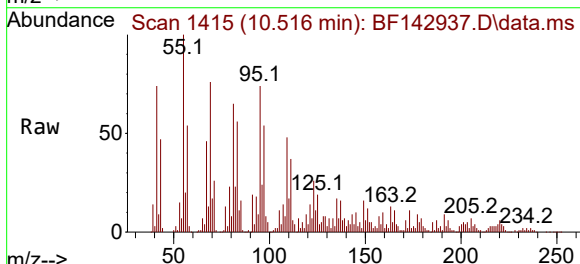
Instrument :
BNA_F
ClientSampleId :
CONCRETE-PAD-6-27-25

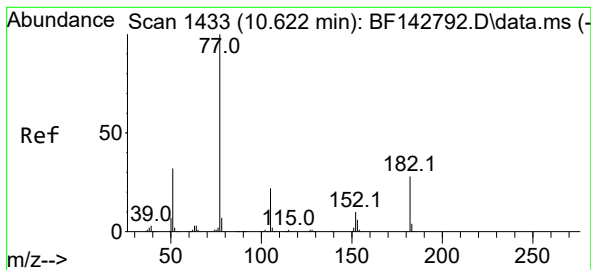
Tgt Ion:149 Resp: 9731
Ion Ratio Lower Upper
149 100
177 48.9 17.0 25.6#
150 35.4 9.8 14.6#



#62
4-Nitroaniline
Concen: 3.285 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.029 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

Tgt Ion:138 Resp: 3470
Ion Ratio Lower Upper
138 100
92 66.3 28.4 68.4
108 140.0 50.2 90.2#





#63

Azobenzene

Concen: 4.485 ng

RT: 10.633 min Scan# 1435

Delta R.T. 0.012 min

Lab File: BF142937.D

Acq: 01 Jul 2025 02:14

Instrument :

BNA_F

ClientSampleId :

CONCRETE-PAD-6-27-25

Tgt Ion: 77 Resp: 18778

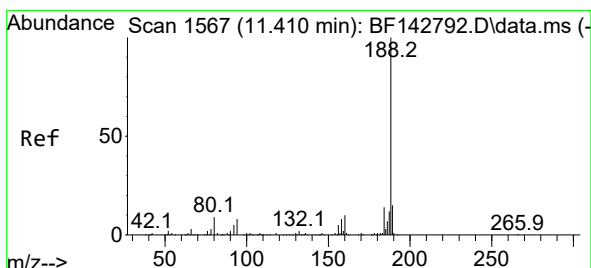
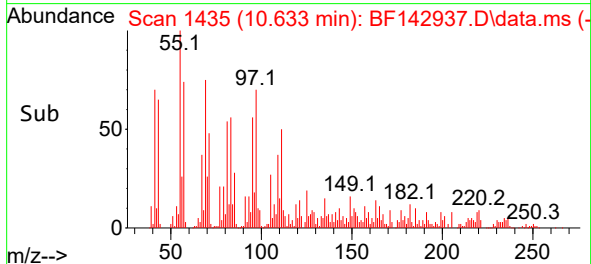
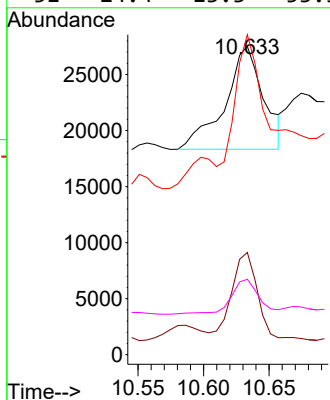
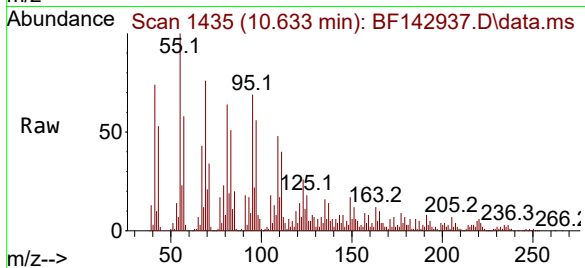
Ion Ratio Lower Upper

77 100

182 33.1 7.7 47.7

105 103.7 1.9 41.9#

51 24.4 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.439 min Scan# 1572

Delta R.T. 0.029 min

Lab File: BF142937.D

Acq: 01 Jul 2025 02:14

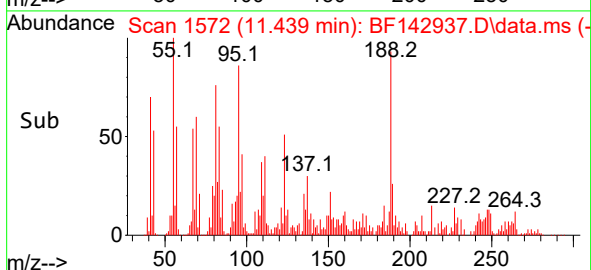
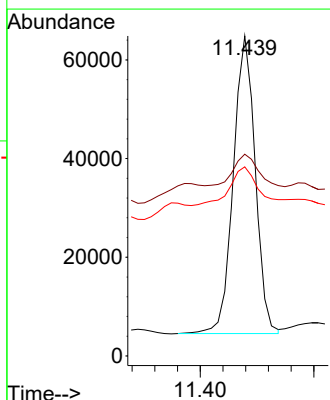
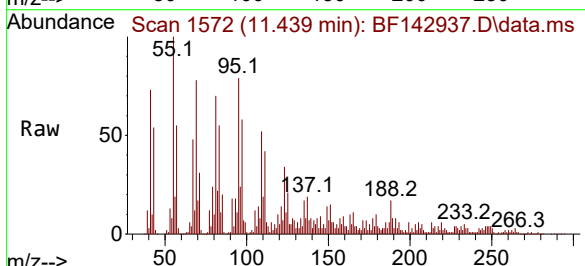
Tgt Ion: 188 Resp: 80601

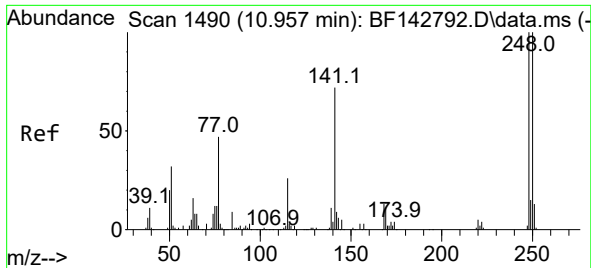
Ion Ratio Lower Upper

188 100

94 63.0 6.7 10.1#

80 59.1 6.9 10.3#

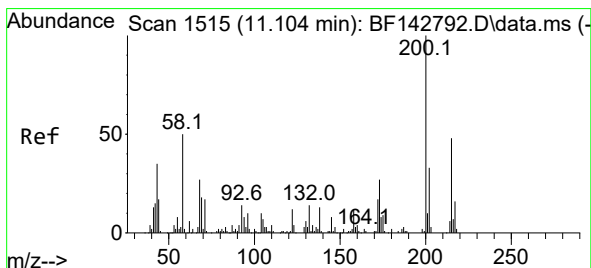
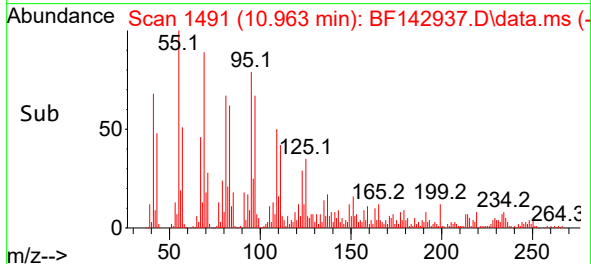
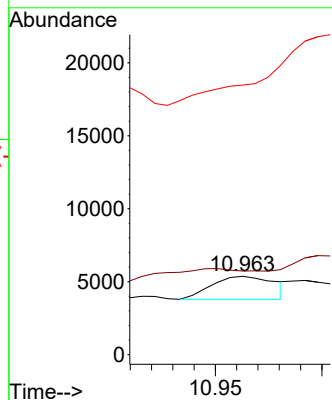
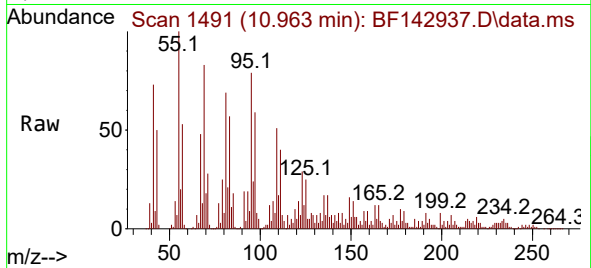




#67
4-Bromophenyl-phenylether
Concen: 3.539 ng
RT: 10.963 min Scan# 1491
Delta R.T. 0.006 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

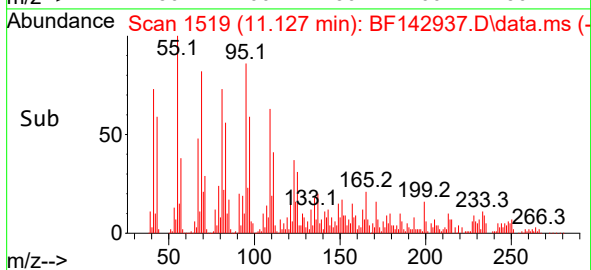
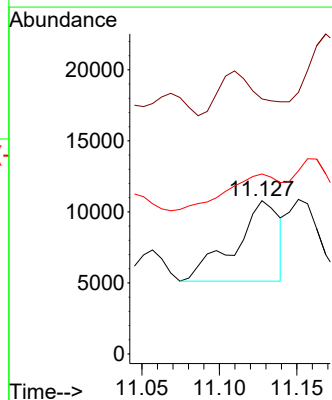
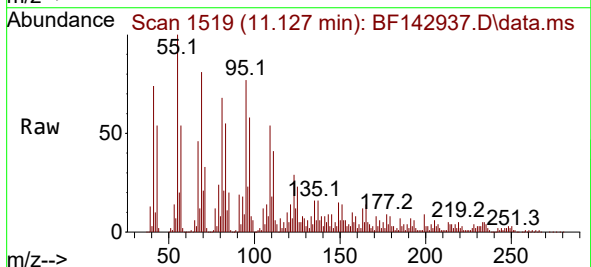
Instrument :
BNA_F
ClientSampleId :
CONCRETE-PAD-6-27-25

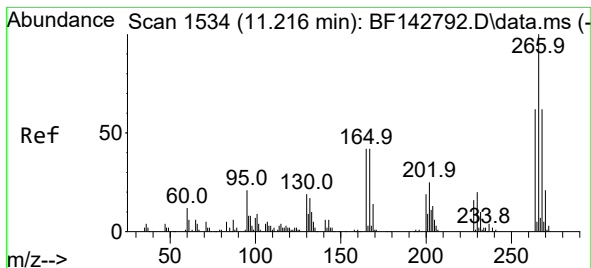
Tgt Ion:248 Resp: 3246
Ion Ratio Lower Upper
248 100
250 106.7 79.8 119.8
141 343.5 57.8 86.6#



#69
Atrazine
Concen: 15.661 ng
RT: 11.127 min Scan# 1519
Delta R.T. 0.024 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

Tgt Ion:200 Resp: 11297
Ion Ratio Lower Upper
200 100
173 166.5 7.4 47.4#
215 117.5 28.4 68.4#





#70

Pentachlorophenol

Concen: 6.619 ng

RT: 11.280 min Scan# 1

Delta R.T. 0.065 min

Lab File: BF142937.D

Acq: 01 Jul 2025 02:14

Instrument :

BNA_F

ClientSampleId :

CONCRETE-PAD-6-27-25

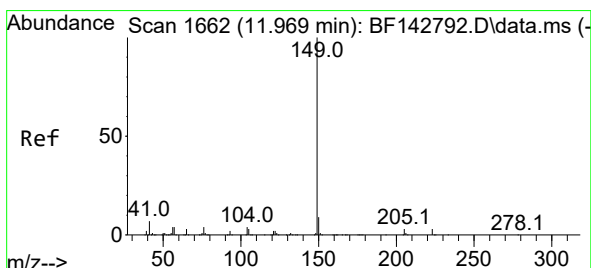
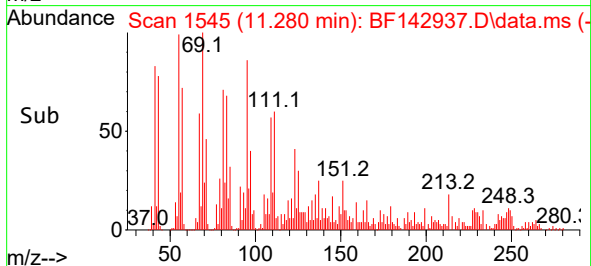
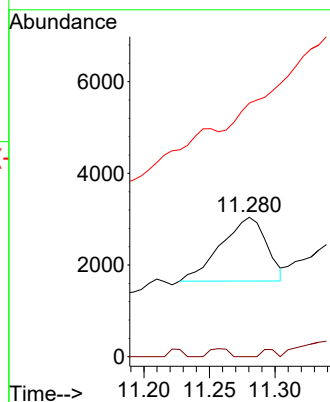
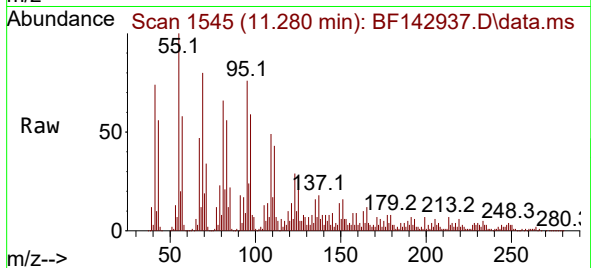
Tgt Ion:266 Resp: 3362

Ion Ratio Lower Upper

266 100

268 0.0 49.8 74.8#

264 181.8 49.9 74.9#



#74

Di-n-butylphthalate

Concen: 4.714 ng

RT: 12.016 min Scan# 1670

Delta R.T. 0.047 min

Lab File: BF142937.D

Acq: 01 Jul 2025 02:14

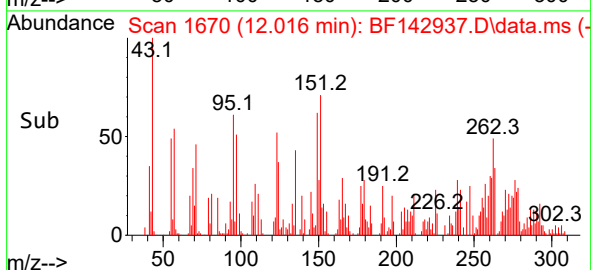
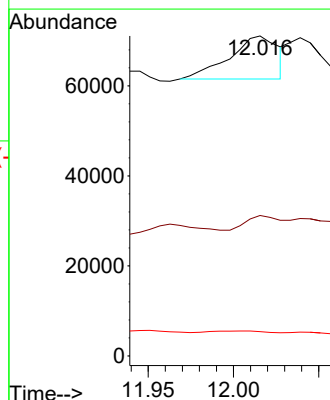
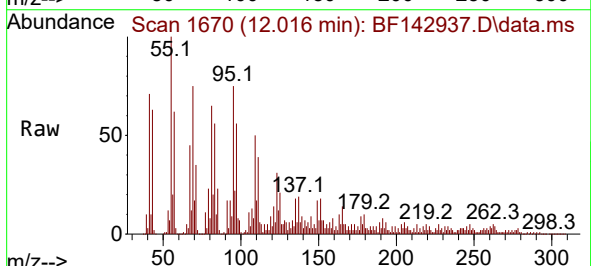
Tgt Ion:149 Resp: 18975

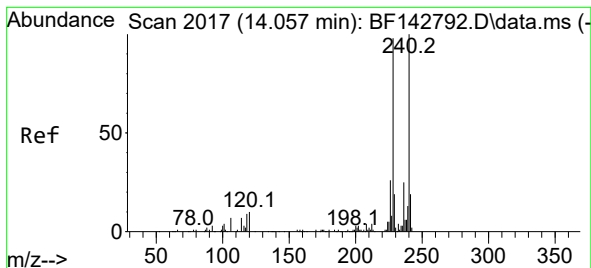
Ion Ratio Lower Upper

149 100

150 43.9 7.4 11.0#

104 7.6 3.5 5.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF142937.D

Acq: 01 Jul 2025 02:14

Instrument :

BNA_F

ClientSampleId :

CONCRETE-PAD-6-27-25

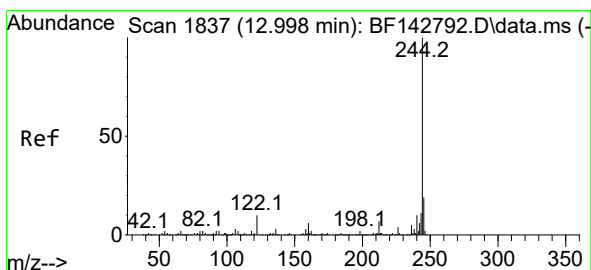
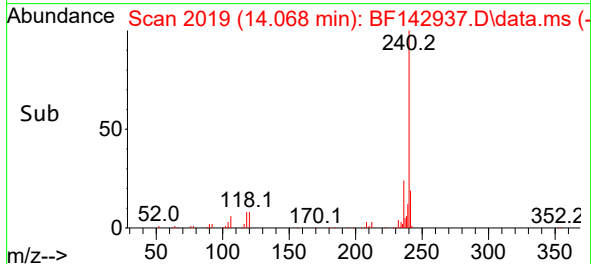
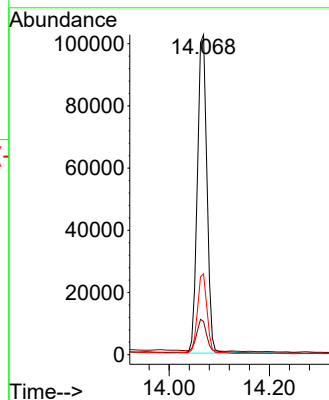
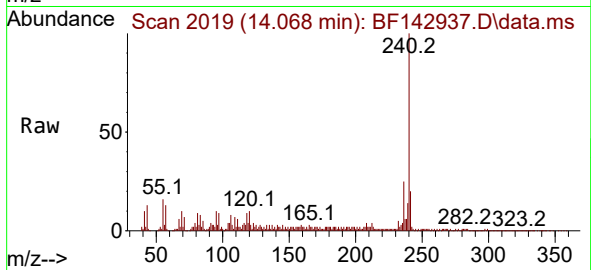
Tgt Ion:240 Resp: 135556

Ion Ratio Lower Upper

240 100

120 10.4 8.2 12.2

236 25.2 19.8 29.8



#79

Terphenyl-d14

Concen: 25.912 ng

RT: 13.045 min Scan# 1845

Delta R.T. 0.047 min

Lab File: BF142937.D

Acq: 01 Jul 2025 02:14

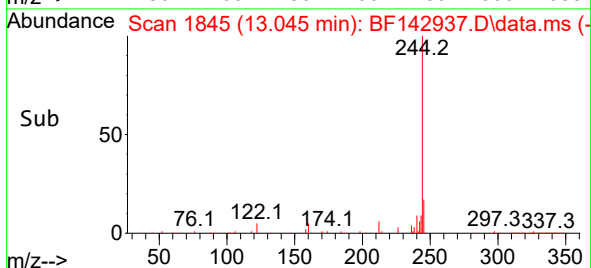
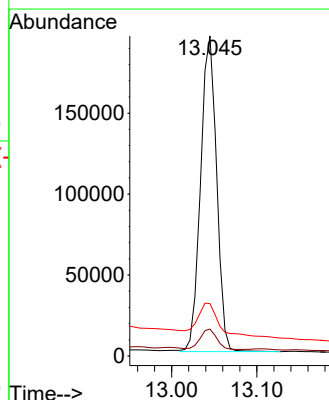
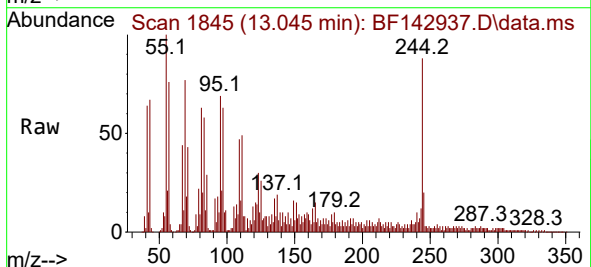
Tgt Ion:244 Resp: 254214

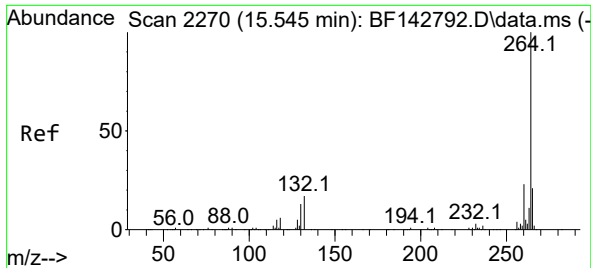
Ion Ratio Lower Upper

244 100

212 8.4 5.4 8.0#

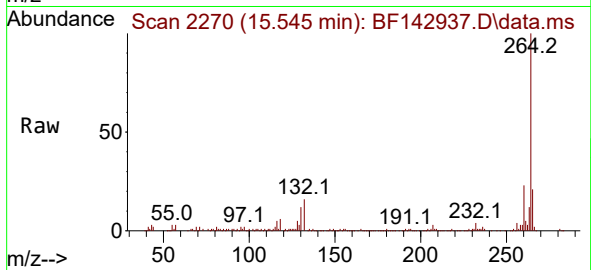
122 16.4 8.2 12.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142937.D
Acq: 01 Jul 2025 02:14

Instrument :
BNA_F
ClientSampleId :
CONCRETE-PAD-6-27-25



Tgt Ion:264 Resp: 116872
Ion Ratio Lower Upper
264 100
260 23.0 18.1 27.1
265 21.4 16.6 25.0

