

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143191.D
 Acq On : 22 Jul 2025 16:26
 Operator : RC/JU
 Sample : Q2641-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-CONCRETE001-01

Quant Time: Jul 22 17:21:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

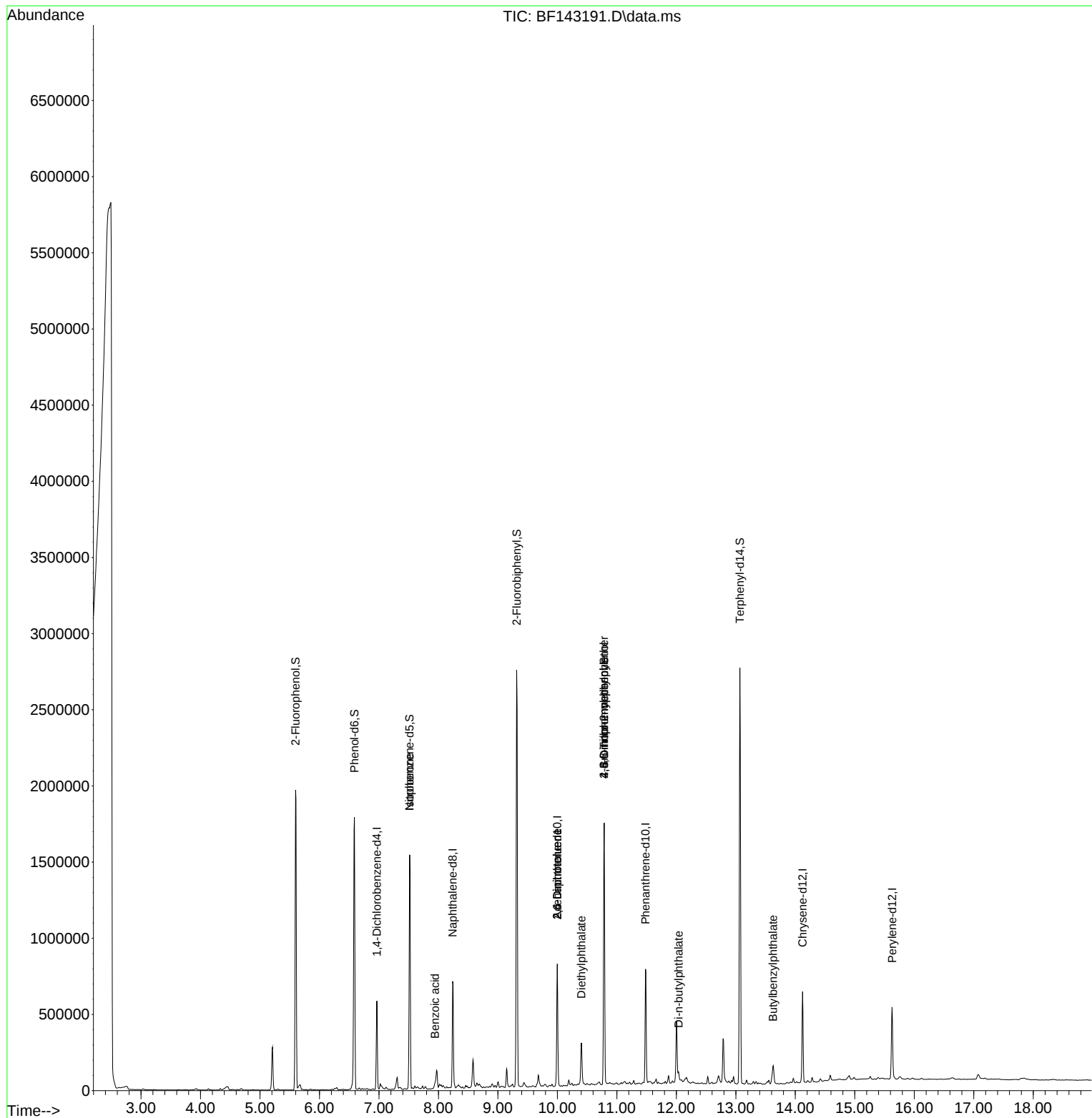
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	113380	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	427484	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	227514	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	388148	20.000	ng	0.00
76) Chrysene-d12	14.121	240	276538	20.000	ng	0.00
86) Perylene-d12	15.627	264	267104	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	732266	102.204	ng	0.01
7) Phenol-d6	6.587	99	837207	92.835	ng	0.00
23) Nitrobenzene-d5	7.516	82	667604	77.846	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	300334	127.783	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1214892	73.029	ng	0.00
79) Terphenyl-d14	13.068	244	1327665	71.444	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.516	82	665393	43.951	ng	# 66
32) Benzoic acid	7.939	122	10234	7.469	ng	94
51) 2,6-Dinitrotoluene	9.998	165	29709	9.848	ng	# 24
57) 2,4-Dinitrotoluene	9.998	165	29709	7.849	ng	# 22
60) Diethylphthalate	10.404	149	185462	12.653	ng	99
65) 4,6-Dinitro-2-methylph...	10.786	198	666	5.703	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	19260	4.164	ng	# 1
74) Di-n-butylphthalate	12.039	149	43636	2.101	ng	99
80) Butylbenzylphthalate	13.627	149	15991	2.213	ng	# 30

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

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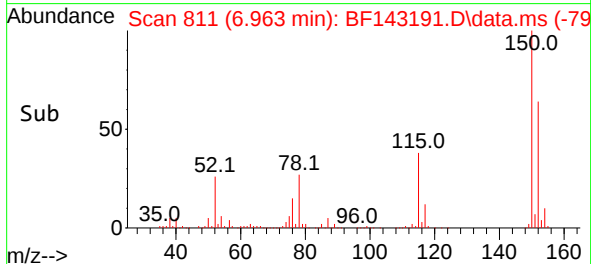
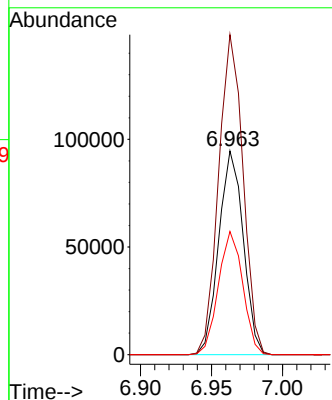
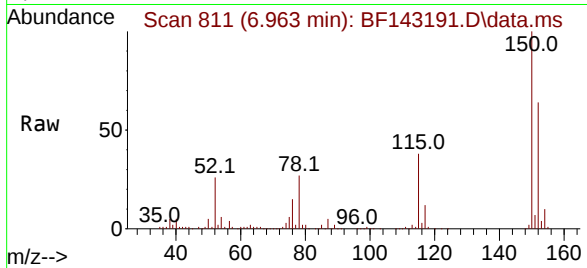




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143191.D
Acq: 22 Jul 2025 16:26

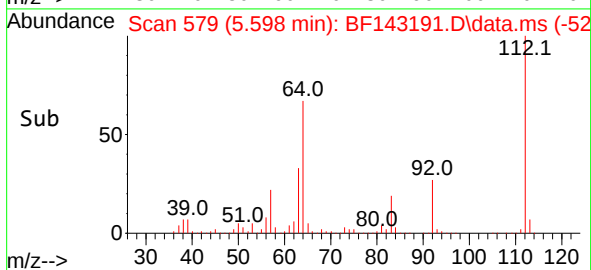
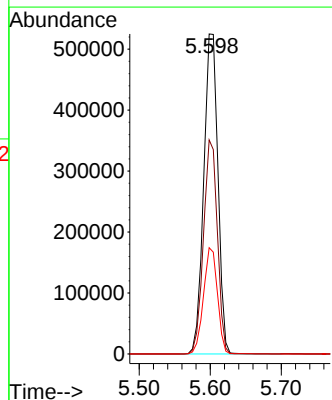
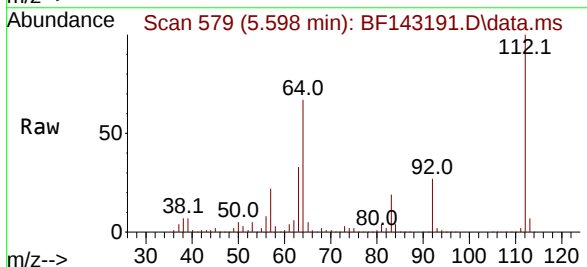
Instrument :
BNA_F
ClientSampleId :
P001-CONCRETE001-01

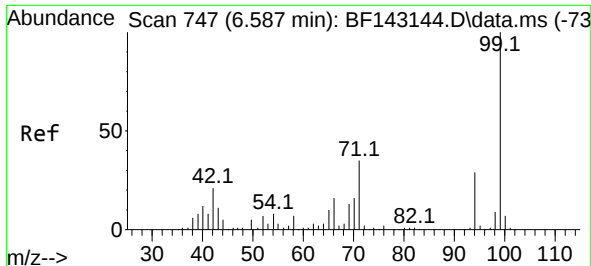
Tgt Ion:152 Resp: 113380
Ion Ratio Lower Upper
152 100
150 157.1 128.2 192.4
115 60.5 47.9 71.9



#5
2-Fluorophenol
Concen: 102.204 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143191.D
Acq: 22 Jul 2025 16:26

Tgt Ion:112 Resp: 732266
Ion Ratio Lower Upper
112 100
64 66.9 53.1 79.7
63 33.2 26.6 40.0

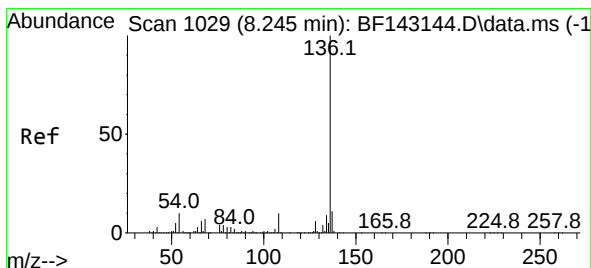
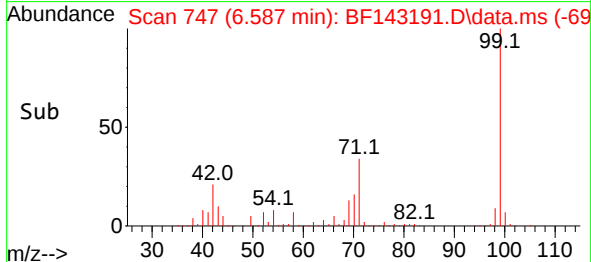
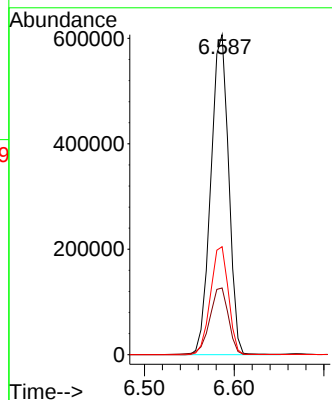
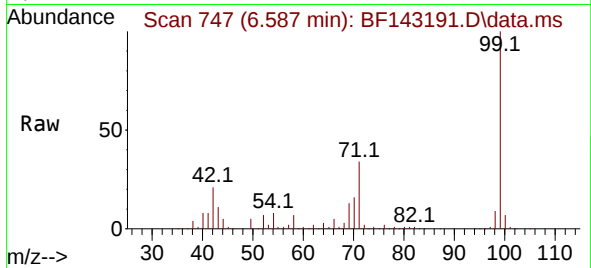




#7
Phenol-d6
Concen: 92.835 ng
RT: 6.587 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF143191.D
Acq: 22 Jul 2025 16:26

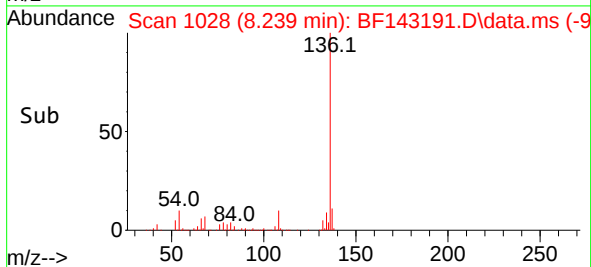
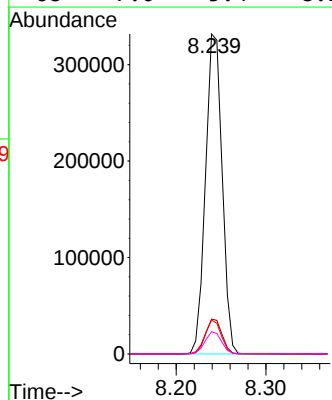
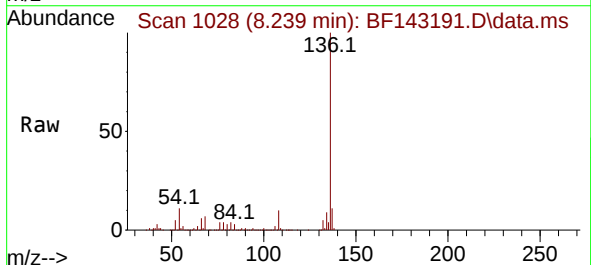
Instrument :
BNA_F
ClientSampleId :
P001-CONCRETE001-01

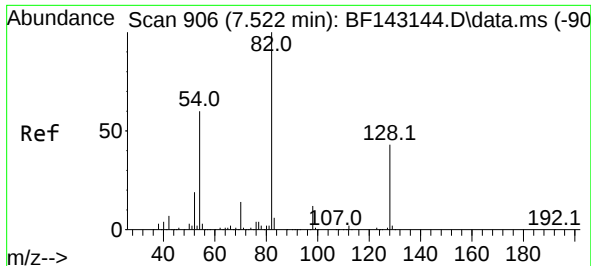
Tgt Ion: 99 Resp: 837207
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.6
71 33.7 27.7 41.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143191.D
Acq: 22 Jul 2025 16:26

Tgt Ion:136 Resp: 427484
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.6 8.2 12.2
68 7.0 5.4 8.2





#23

Nitrobenzene-d5

Concen: 77.846 ng

RT: 7.516 min Scan# 905

Delta R.T. -0.006 min

Lab File: BF143191.D

Acq: 22 Jul 2025 16:26

Instrument :

BNA_F

ClientSampleId :

P001-CONCRETE001-01

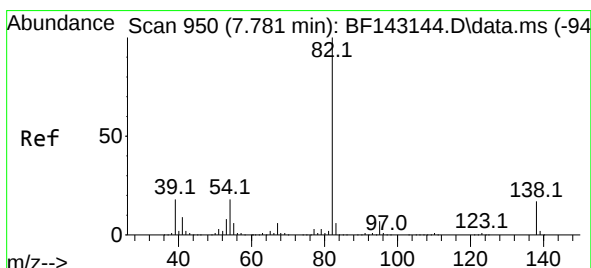
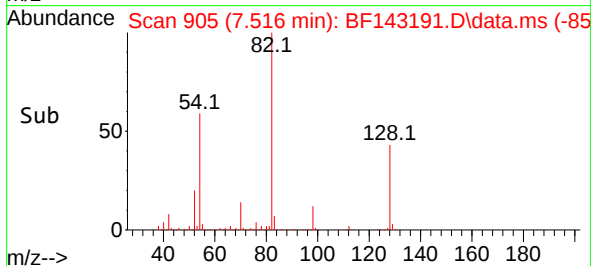
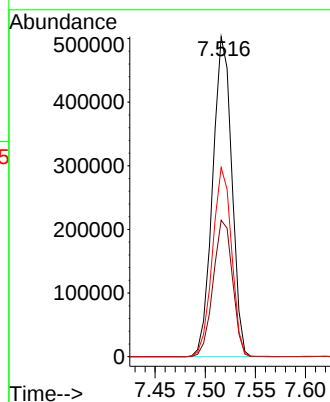
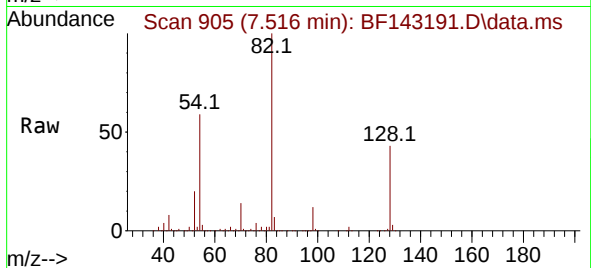
Tgt Ion: 82 Resp: 667604

Ion Ratio Lower Upper

82 100

128 42.7 33.6 50.4

54 59.1 47.1 70.7



#25

Isophorone

Concen: 43.951 ng

RT: 7.516 min Scan# 905

Delta R.T. -0.265 min

Lab File: BF143191.D

Acq: 22 Jul 2025 16:26

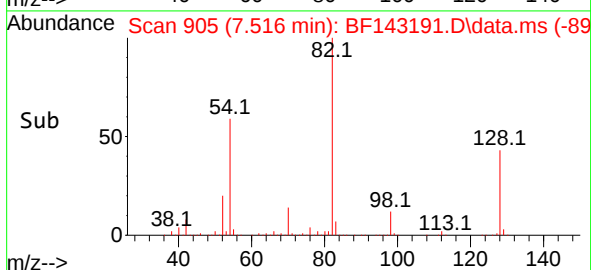
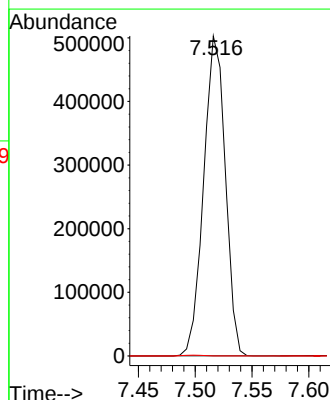
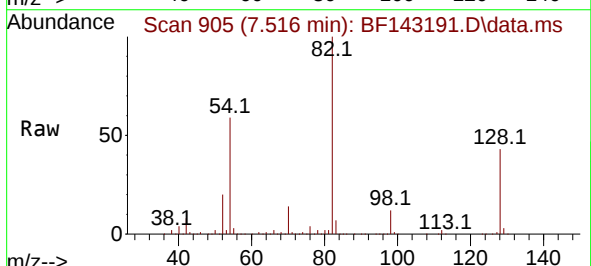
Tgt Ion: 82 Resp: 665393

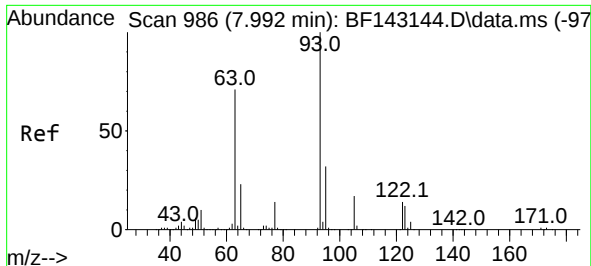
Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

138 0.0 13.8 20.8#

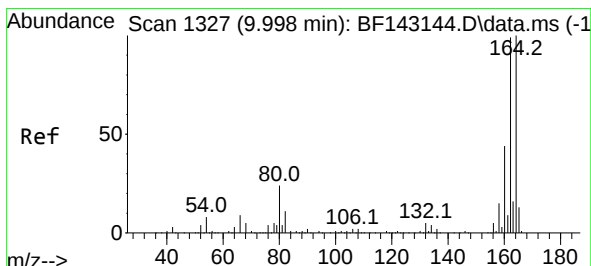
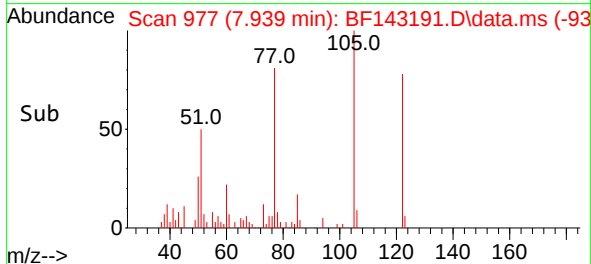
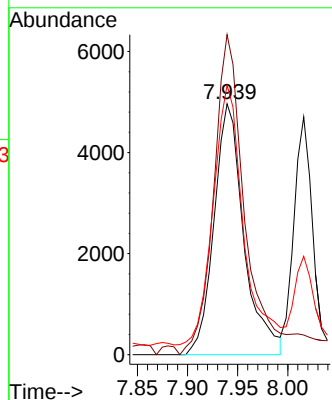
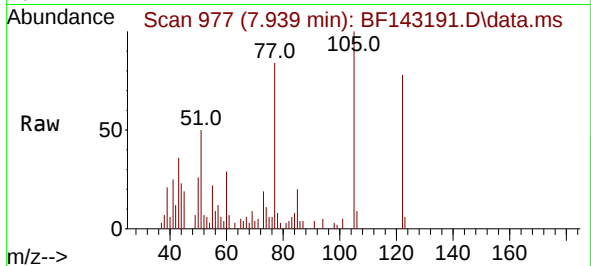




#32
Benzoic acid
Concen: 7.469 ng
RT: 7.939 min Scan# 91
Delta R.T. -0.053 min
Lab File: BF143191.D
Acq: 22 Jul 2025 16:26

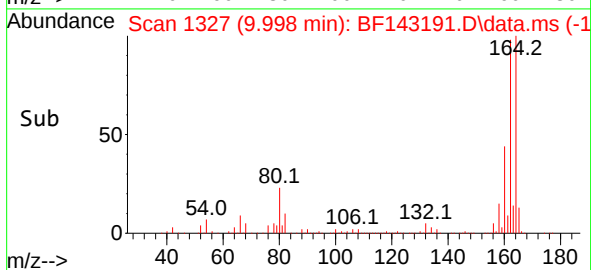
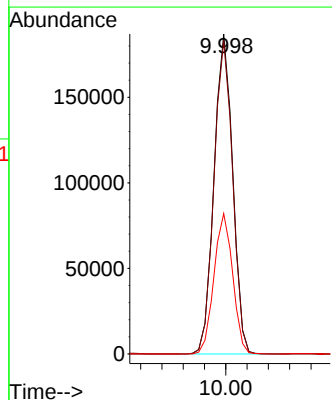
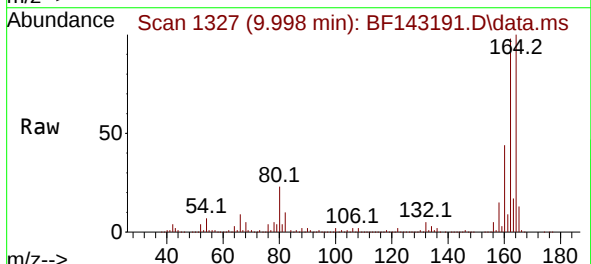
Instrument :
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P001-CONCRETE001-01

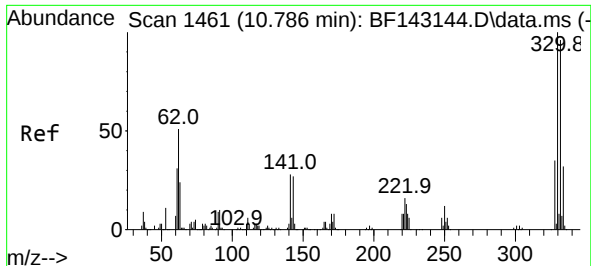
Tgt Ion:122 Resp: 10234
Ion Ratio Lower Upper
122 100
105 127.6 104.8 144.8
77 107.4 77.6 117.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143191.D
Acq: 22 Jul 2025 16:26

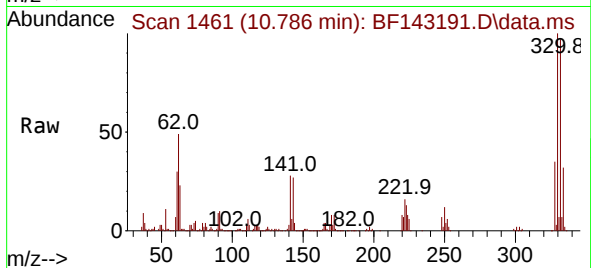
Tgt Ion:164 Resp: 227514
Ion Ratio Lower Upper
164 100
162 97.9 79.0 118.6
160 43.8 35.1 52.7



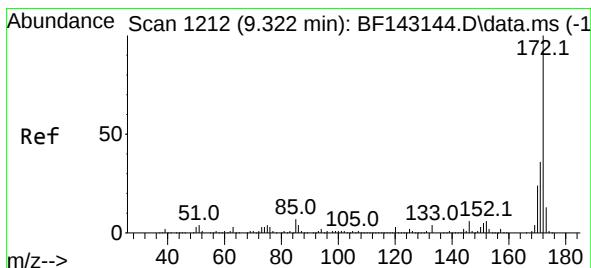
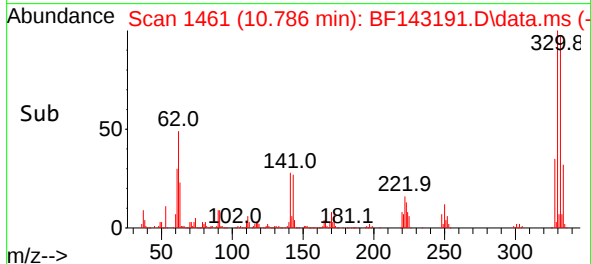
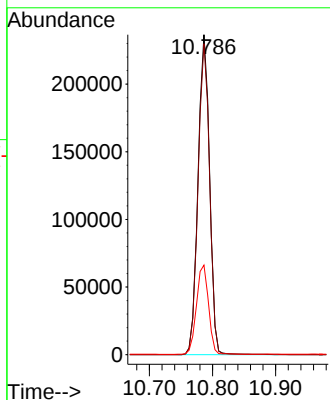


#42
2,4,6-Tribromophenol
Concen: 127.783 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.000 min
Lab File: BF143191.D
Acq: 22 Jul 2025 16:26

Instrument :
BNA_F
ClientSampleId :
P001-CONCRETE001-01

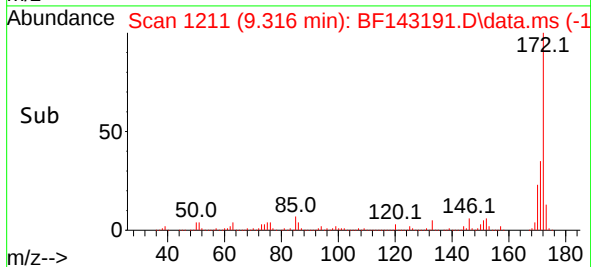
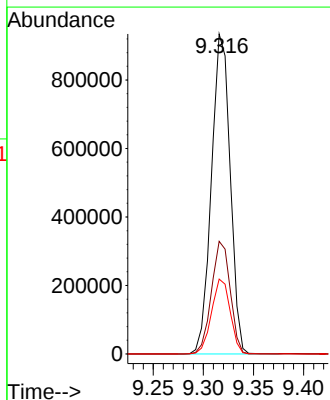
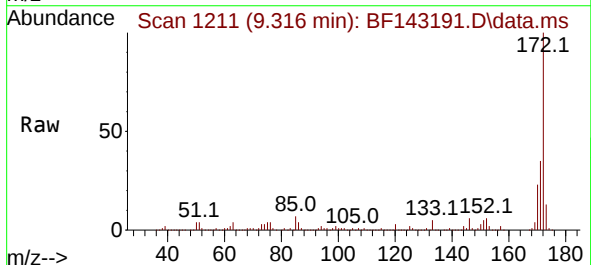


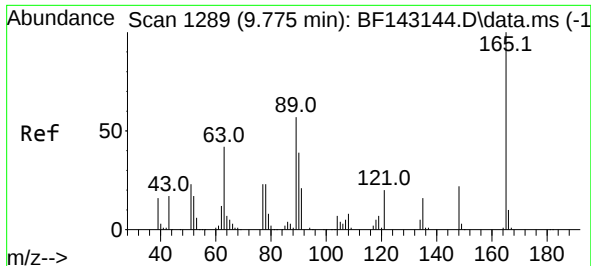
Tgt Ion:330 Resp: 300334
Ion Ratio Lower Upper
330 100
332 97.1 76.7 115.1
141 29.1 23.3 34.9



#45
2-Fluorobiphenyl
Concen: 73.029 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143191.D
Acq: 22 Jul 2025 16:26

Tgt Ion:172 Resp: 1214892
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.4 18.8 28.2

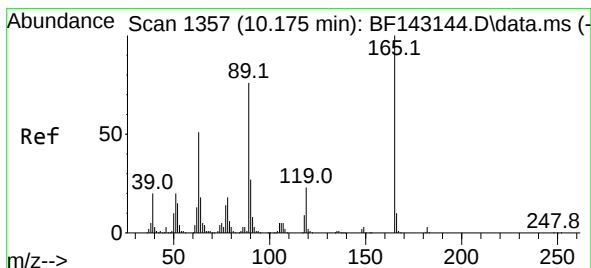
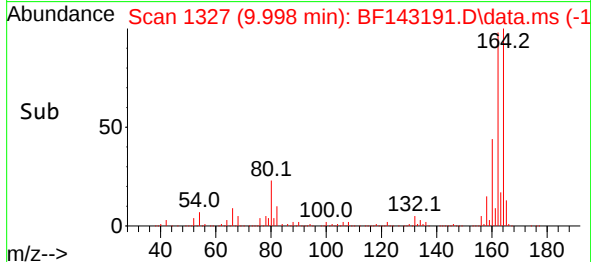
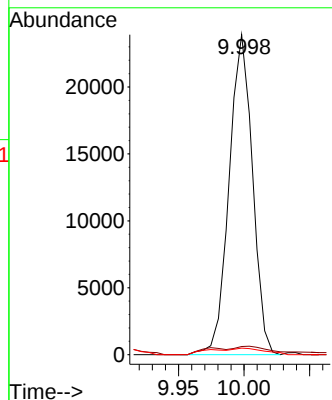
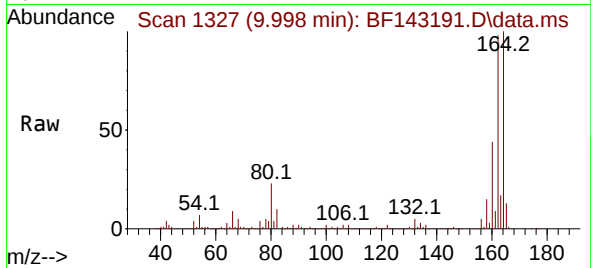




#51
2,6-Dinitrotoluene
Concen: 9.848 ng
RT: 9.998 min Scan# 11
Delta R.T. 0.223 min
Lab File: BF143191.D
Acq: 22 Jul 2025 16:26

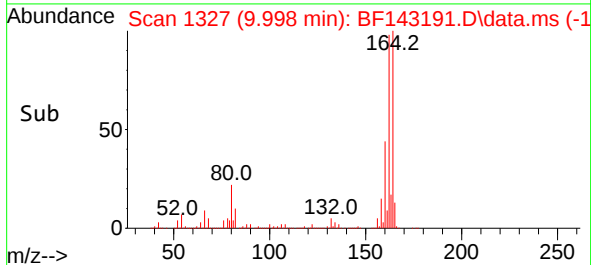
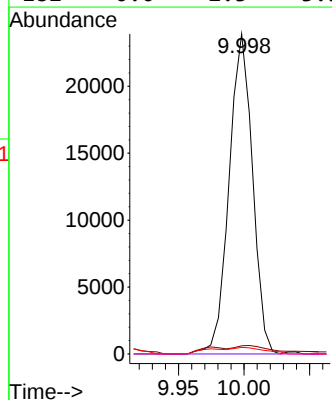
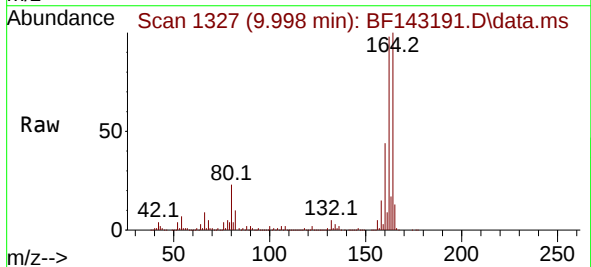
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ClientSampleId :
P001-CONCRETE001-01

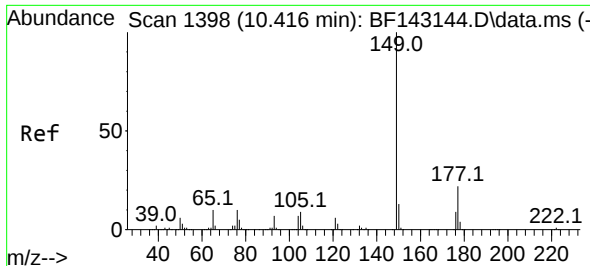
Tgt Ion:165 Resp: 29709
Ion Ratio Lower Upper
165 100
63 2.5 49.4 74.2#
89 2.0 46.2 69.2#



#57
2,4-Dinitrotoluene
Concen: 7.849 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.176 min
Lab File: BF143191.D
Acq: 22 Jul 2025 16:26

Tgt Ion:165 Resp: 29709
Ion Ratio Lower Upper
165 100
63 2.5 41.0 61.4#
89 2.0 61.1 91.7#
182 0.0 2.3 3.5#

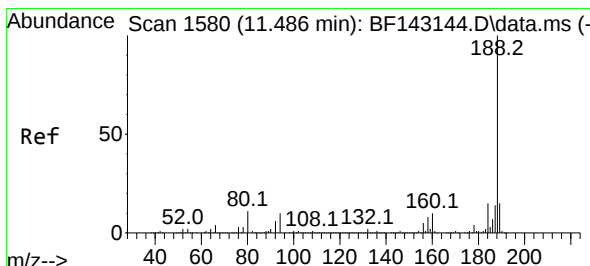
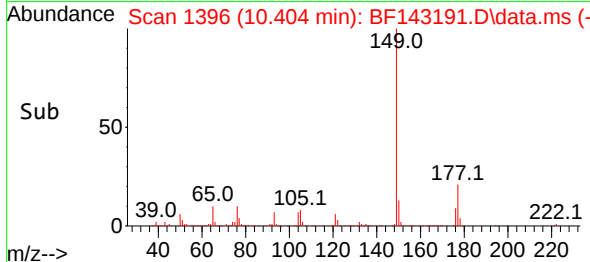
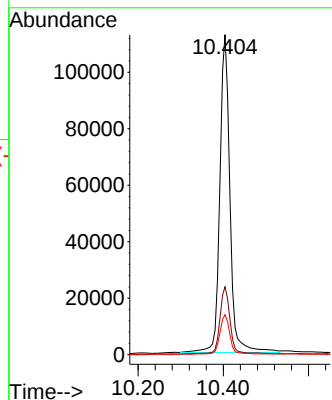
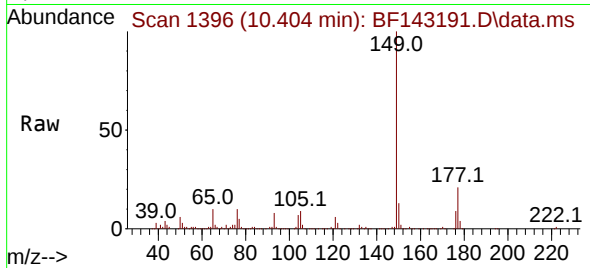




#60
Diethylphthalate
Concen: 12.653 ng
RT: 10.404 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143191.D
Acq: 22 Jul 2025 16:26

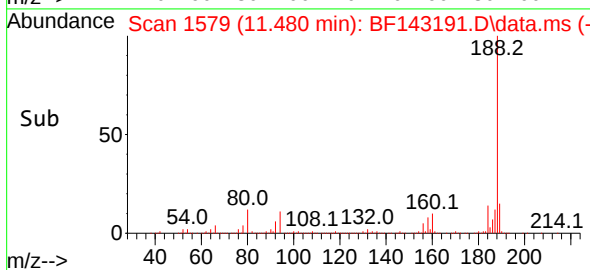
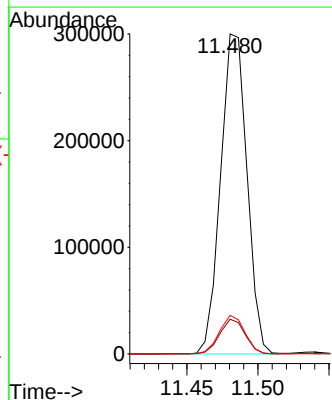
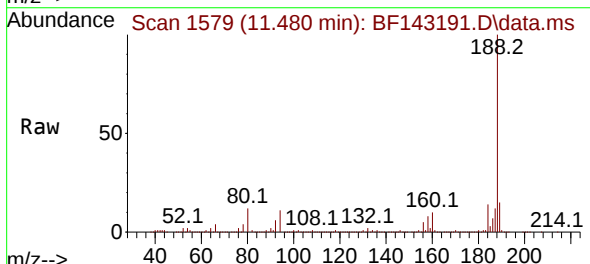
Instrument :
BNA_F
ClientSampleId :
P001-CONCRETE001-01

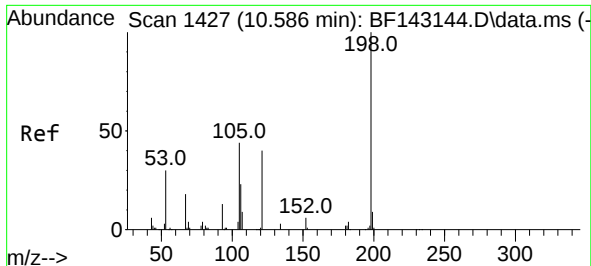
Tgt Ion:149 Resp: 185462
Ion Ratio Lower Upper
149 100
177 21.2 17.5 26.3
150 12.5 10.2 15.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143191.D
Acq: 22 Jul 2025 16:26

Tgt Ion:188 Resp: 388148
Ion Ratio Lower Upper
188 100
94 10.9 8.3 12.5
80 12.1 9.0 13.6

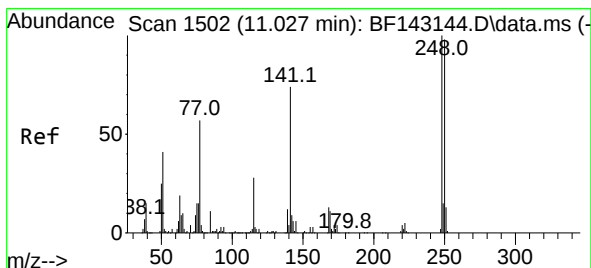
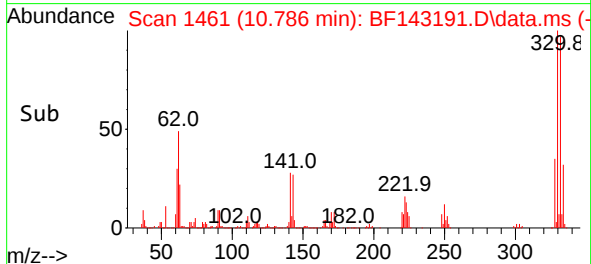
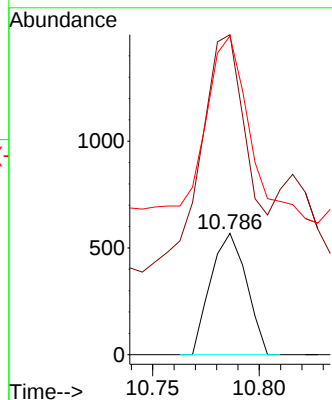
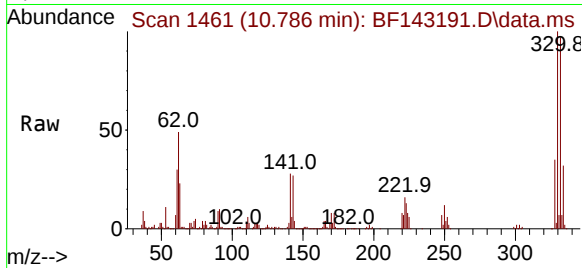




#65
4,6-Dinitro-2-methylphenol
Concen: 5.703 ng
RT: 10.786 min Scan# 1427
Delta R.T. 0.200 min
Lab File: BF143191.D
Acq: 22 Jul 2025 16:26

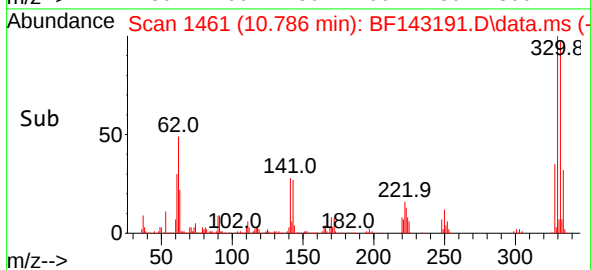
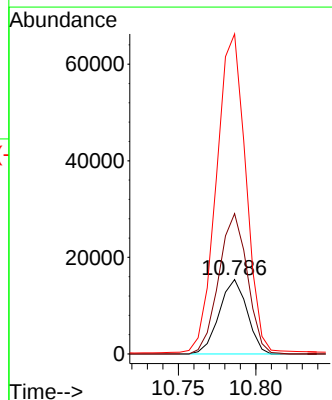
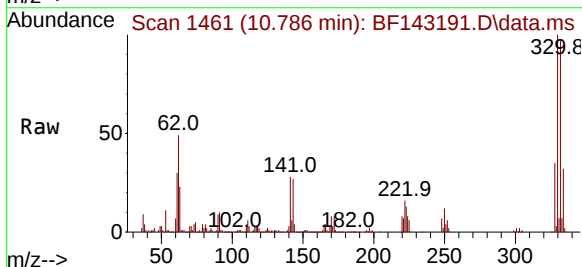
Instrument :
BNA_F
ClientSampleId :
P001-CONCRETE001-01

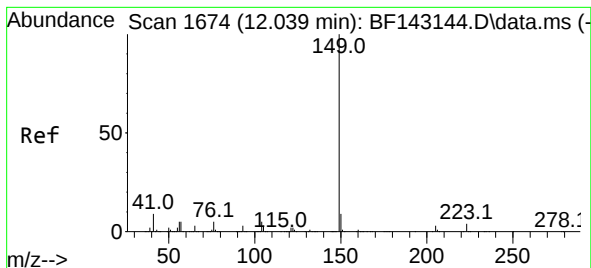
Tgt Ion:198 Resp: 666
Ion Ratio Lower Upper
198 100
51 263.9 37.2 77.2#
105 262.9 24.8 64.8#



#67
4-Bromophenyl-phenylether
Concen: 4.164 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.241 min
Lab File: BF143191.D
Acq: 22 Jul 2025 16:26

Tgt Ion:248 Resp: 19260
Ion Ratio Lower Upper
248 100
250 188.5 78.3 117.5#
141 429.8 59.2 88.8#





#74

Di-n-butylphthalate

Concen: 2.101 ng

RT: 12.039 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143191.D

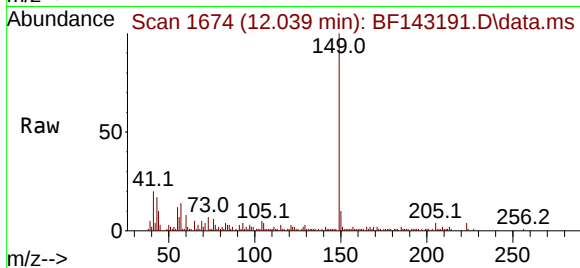
Acq: 22 Jul 2025 16:26

Instrument :

BNA_F

ClientSampleId :

P001-CONCRETE001-01



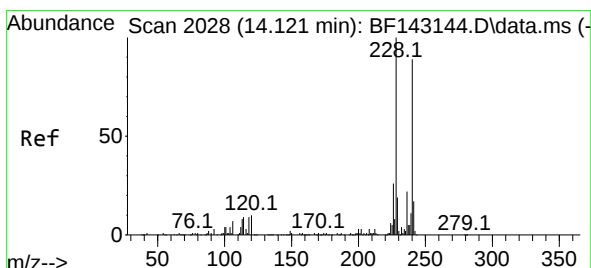
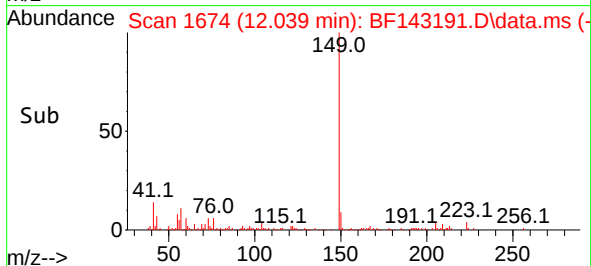
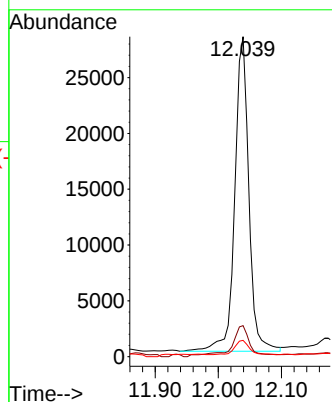
Tgt Ion:149 Resp: 43636

Ion Ratio Lower Upper

149 100

150 9.7 7.4 11.2

104 5.1 3.8 5.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 2028

Delta R.T. -0.000 min

Lab File: BF143191.D

Acq: 22 Jul 2025 16:26

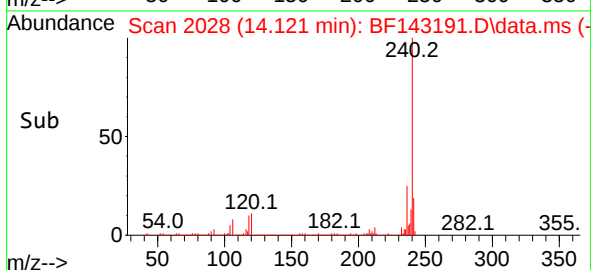
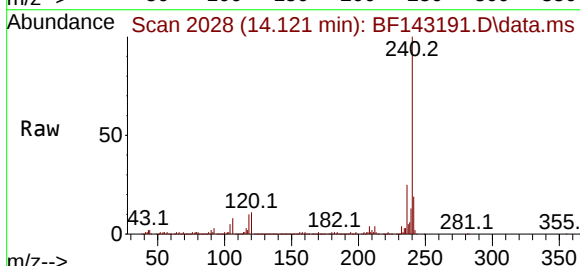
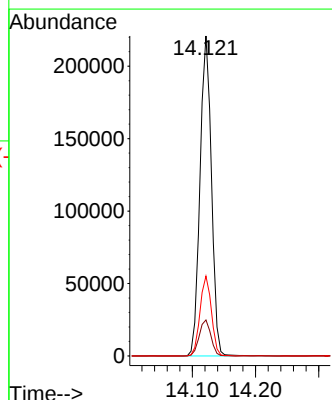
Tgt Ion:240 Resp: 276538

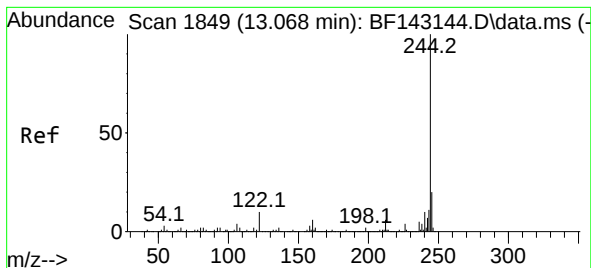
Ion Ratio Lower Upper

240 100

120 11.3 9.4 14.2

236 24.9 20.2 30.4





#79

Terphenyl-d14

Concen: 71.444 ng

RT: 13.068 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF143191.D

Acq: 22 Jul 2025 16:26

Instrument :

BNA_F

ClientSampleId :

P001-CONCRETE001-01

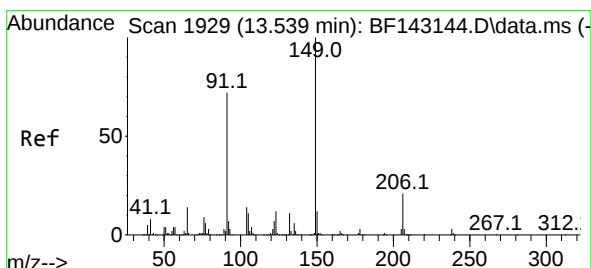
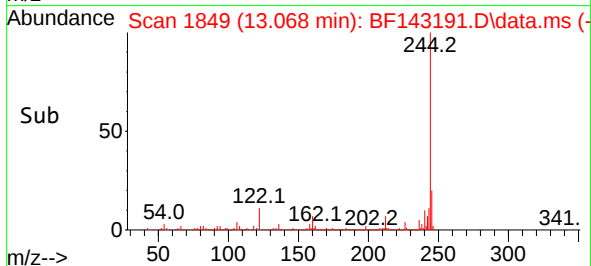
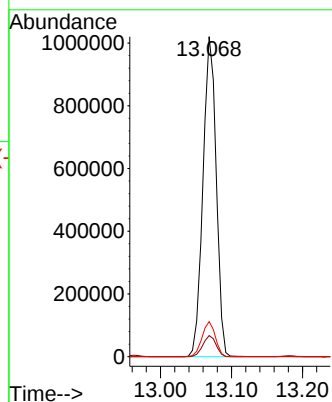
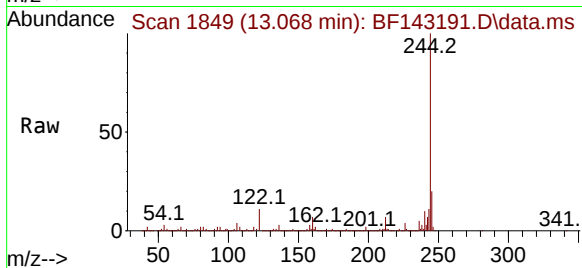
Tgt Ion:244 Resp: 1327665

Ion Ratio Lower Upper

244 100

212 6.6 5.2 7.8

122 10.9 8.2 12.2



#80

Butylbenzylphthalate

Concen: 2.213 ng

RT: 13.627 min Scan# 1944

Delta R.T. 0.088 min

Lab File: BF143191.D

Acq: 22 Jul 2025 16:26

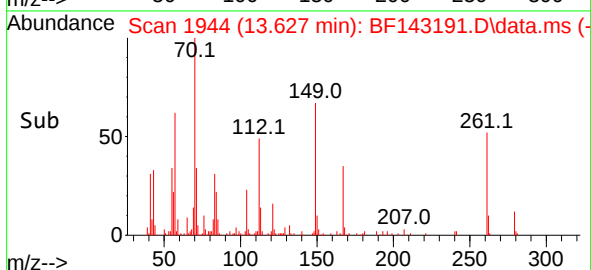
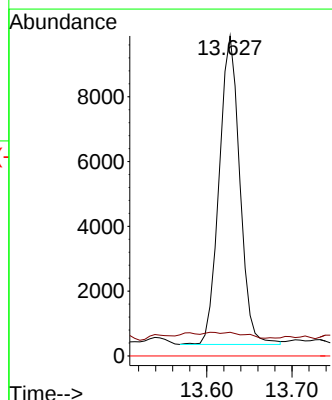
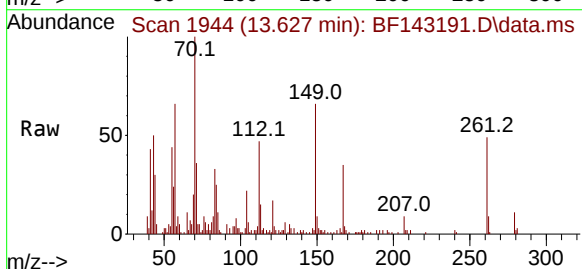
Tgt Ion:149 Resp: 15991

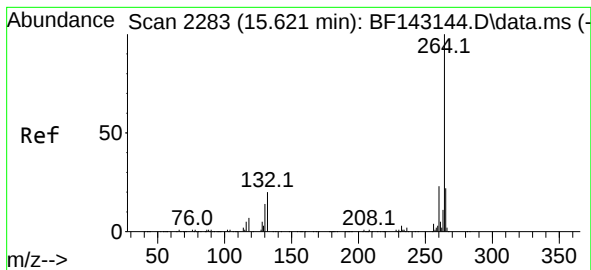
Ion Ratio Lower Upper

149 100

91 7.4 57.9 86.9#

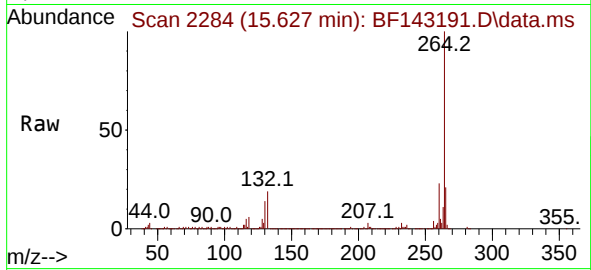
206 0.0 17.0 25.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143191.D
Acq: 22 Jul 2025 16:26

Instrument :
BNA_F
ClientSampleId :
P001-CONCRETE001-01



Tgt Ion:264 Resp: 267104
Ion Ratio Lower Upper
264 100
260 23.4 18.5 27.7
265 21.4 17.4 26.2

