

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
 Data File : BF143972.D
 Acq On : 16 Oct 2025 00:45
 Operator : RC/JU
 Sample : Q3340-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-1

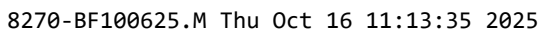
Quant Time: Oct 16 11:13:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

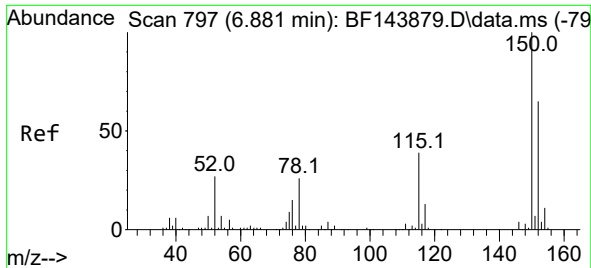
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	78801	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	269644	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	142133	20.000	ng	0.00
64) Phenanthrene-d10	11.439	188	109075	20.000	ng	# 0.02
76) Chrysene-d12	14.151	240	108805	20.000	ng	# 0.08
86) Perylene-d12	15.592	264	142136	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	322541	64.998	ng	0.00
7) Phenol-d6	6.504	99	386417	65.330	ng	-0.01
23) Nitrobenzene-d5	7.439	82	228108	51.396	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	76564	54.083	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	443039	49.460	ng	-0.01
79) Terphenyl-d14	13.110	244	378316	59.425	ng	0.10
Target Compounds						
						Qvalue
25) Isophorone	7.439	82	204314	21.833	ng	# 68
32) Benzoic acid	7.887	122	8659	3.292	ng	95
54) 2,4-Dinitrophenol	9.851	184	283	7.191	ng	# 1
62) 4-Nitroaniline	10.333	138	4317	2.191	ng	84
63) Azobenzene	10.639	77	32888	3.753	ng	# 16
65) 4,6-Dinitro-2-methylph...	10.575	198	1222	2.229	ng	# 1
66) n-Nitrosodiphenylamine	10.586	169	22797	6.656	ng	# 62
70) Pentachlorophenol	11.239	266	7369	9.194	ng	# 35
71) Phenanthrene	11.463	178	43724	8.269	ng	# 1
73) Carbazole	11.645	167	11099	2.346	ng	# 1
74) Di-n-butylphthalate	12.033	149	30731	5.604	ng	# 22
80) Butylbenzylphthalate	13.686	149	20015	6.794	ng	# 39
84) Bis(2-ethylhexyl)phtha...	14.098	149	20972	5.906	ng	# 55

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

Quant Time: Oct 16 11:13:31 2025
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QLast Update : Mon Oct 06 15:29:47 2025
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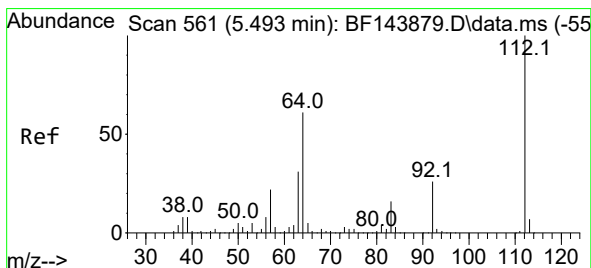
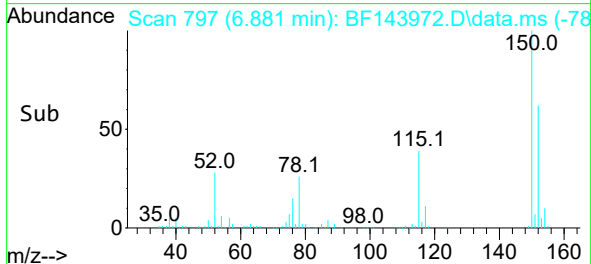
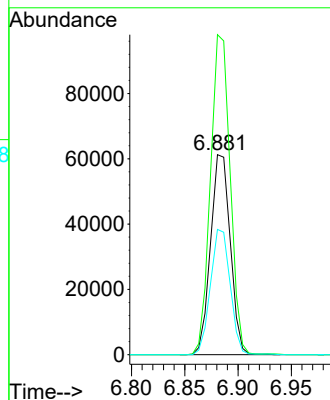
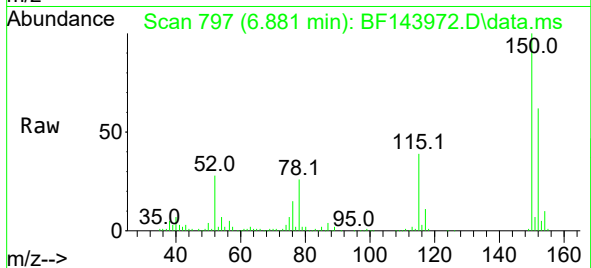




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF143972.D
Acq: 16 Oct 2025 00:45

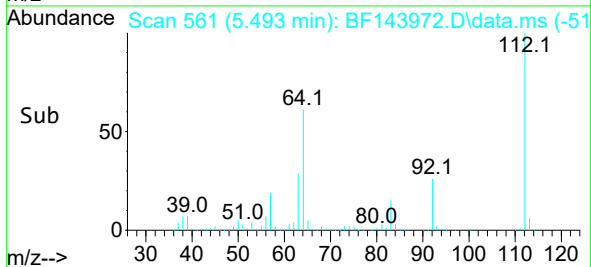
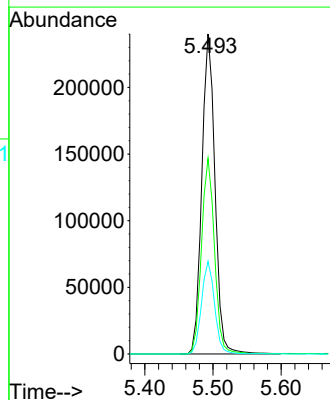
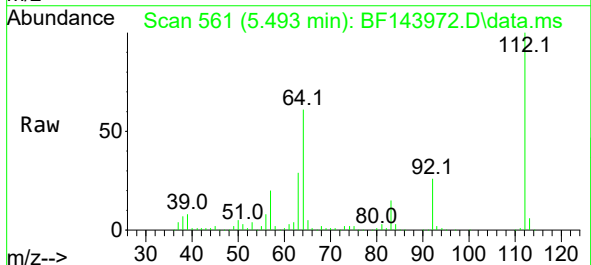
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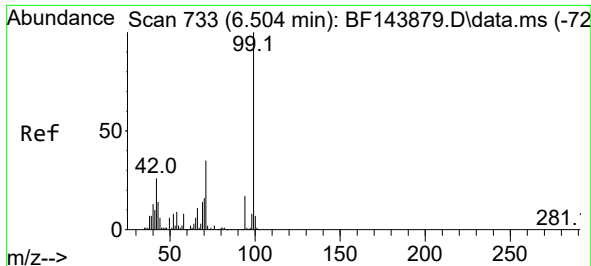
Tgt Ion:152 Resp: 78801
Ion Ratio Lower Upper
152 100
150 160.0 124.4 186.6
115 62.7 48.1 72.1



#5
2-Fluorophenol
Concen: 64.998 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF143972.D
Acq: 16 Oct 2025 00:45

Tgt Ion:112 Resp: 322541
Ion Ratio Lower Upper
112 100
64 61.1 49.1 73.7
63 28.9 24.5 36.7

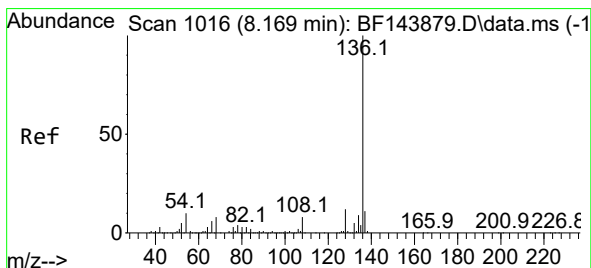
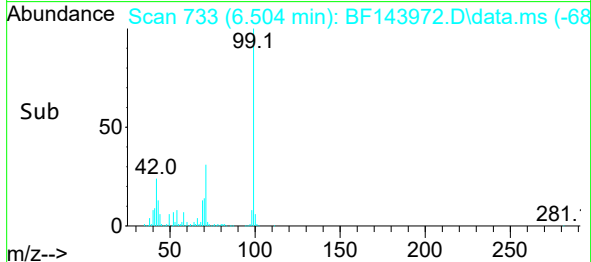
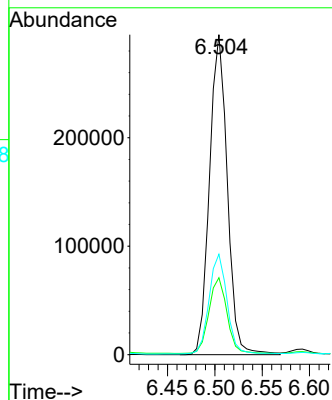
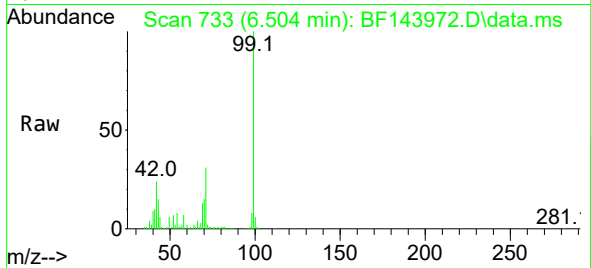




#7
Phenol-d6
Concen: 65.330 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF143972.D
Acq: 16 Oct 2025 00:45

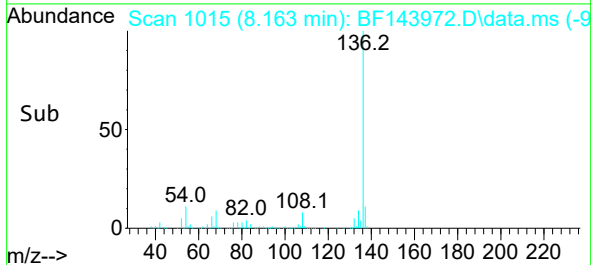
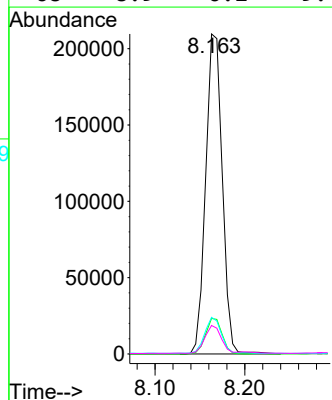
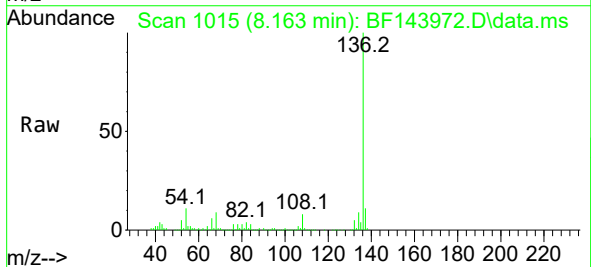
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ClientSampleId :
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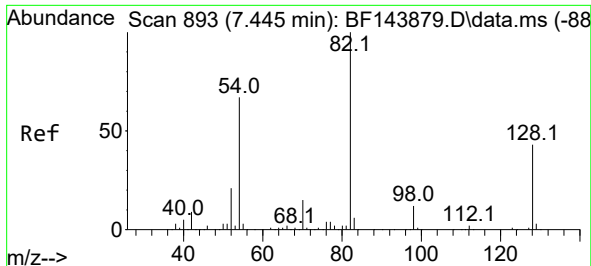
Tgt Ion: 99 Resp: 386417
Ion Ratio Lower Upper
99 100
42 24.1 21.0 31.4
71 31.4 27.8 41.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143972.D
Acq: 16 Oct 2025 00:45

Tgt Ion:136 Resp: 269644
Ion Ratio Lower Upper
136 100
137 11.1 8.5 12.7
54 11.4 8.2 12.4
68 8.9 6.2 9.4

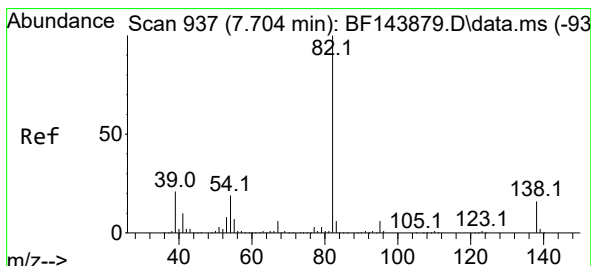
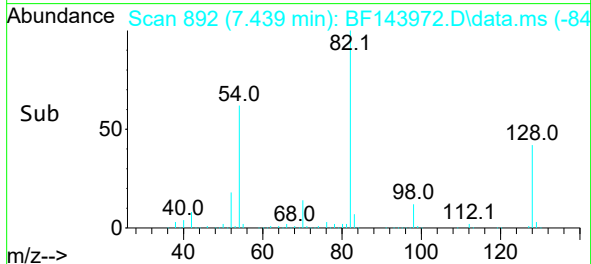
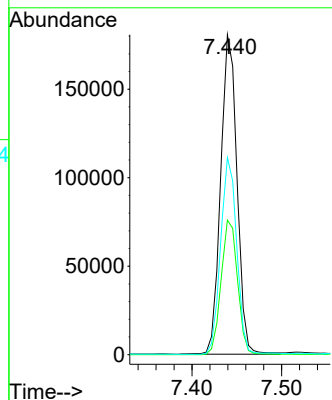
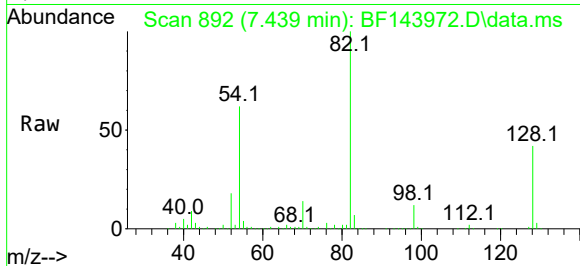




#23
Nitrobenzene-d5
Concen: 51.396 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF143972.D
Acq: 16 Oct 2025 00:45

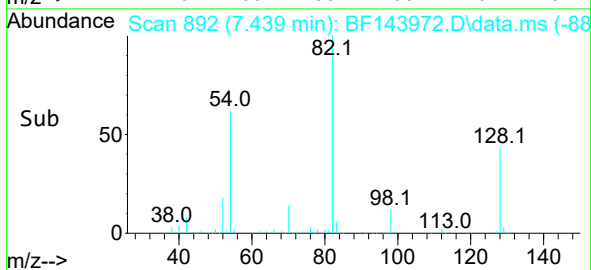
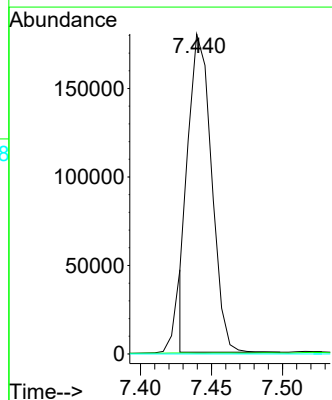
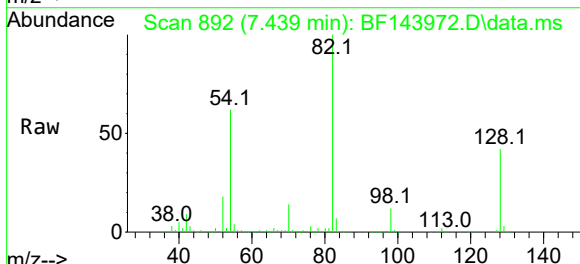
Instrument :
BNA_F
ClientSampleId :
CONCRETE-1

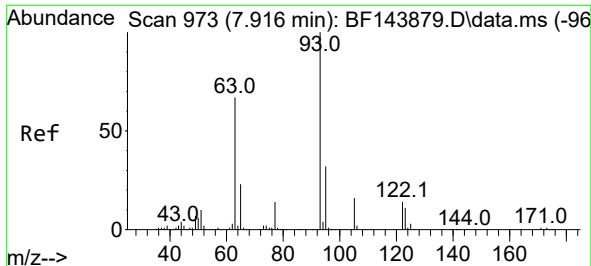
Tgt Ion: 82 Resp: 228108
Ion Ratio Lower Upper
82 100
128 42.0 34.0 51.0
54 61.6 53.2 79.8



#25
Isophorone
Concen: 21.833 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF143972.D
Acq: 16 Oct 2025 00:45

Tgt Ion: 82 Resp: 204314
Ion Ratio Lower Upper
82 100
95 0.3 5.1 7.7#
138 0.0 12.9 19.3#

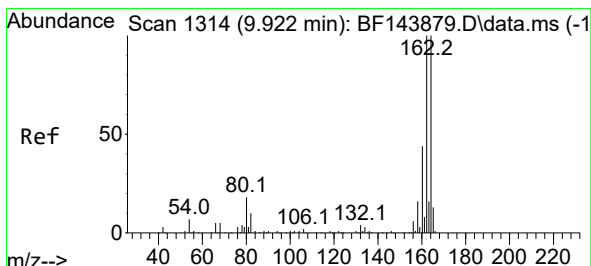
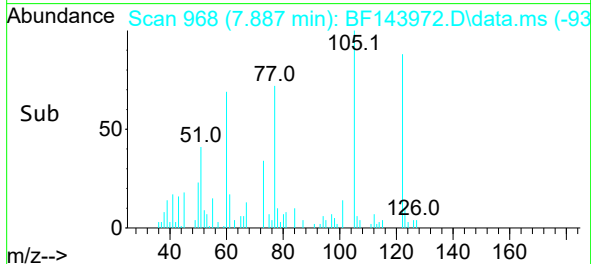
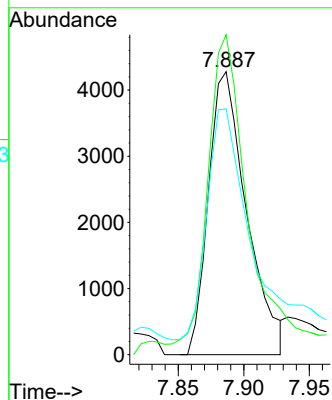
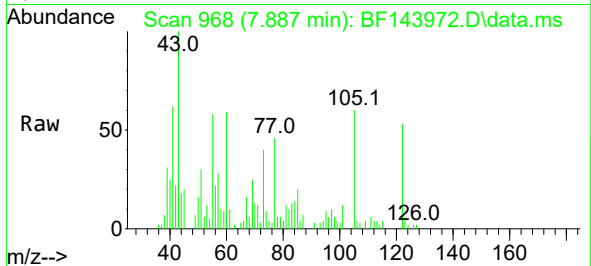




#32
Benzoic acid
Concen: 3.292 ng
RT: 7.887 min Scan# 91
Delta R.T. -0.076 min
Lab File: BF143972.D
Acq: 16 Oct 2025 00:45

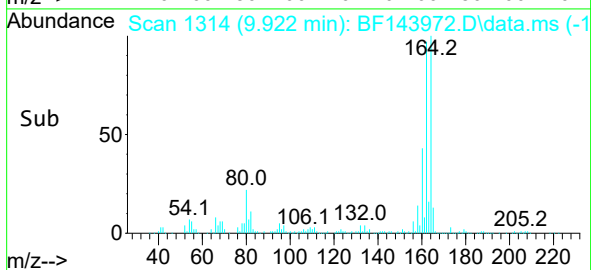
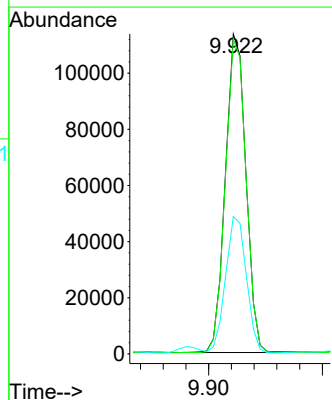
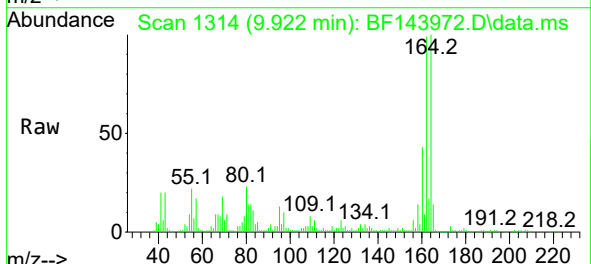
Instrument :
BNA_F
ClientSampleId :
CONCRETE-1

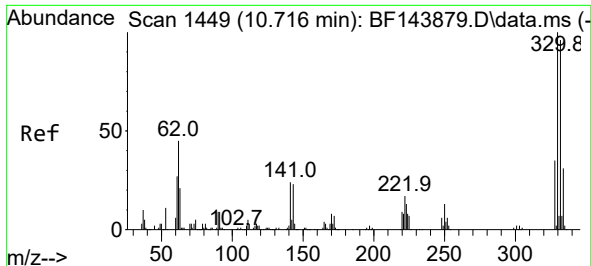
Tgt Ion:122 Resp: 8659
Ion Ratio Lower Upper
122 100
105 113.1 93.5 133.5
77 86.9 76.3 116.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143972.D
Acq: 16 Oct 2025 00:45

Tgt Ion:164 Resp: 142133
Ion Ratio Lower Upper
164 100
162 98.5 80.2 120.2
160 43.0 35.4 53.0

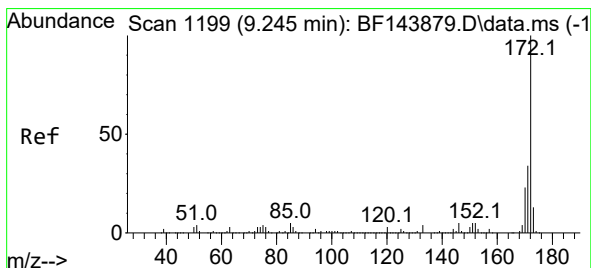
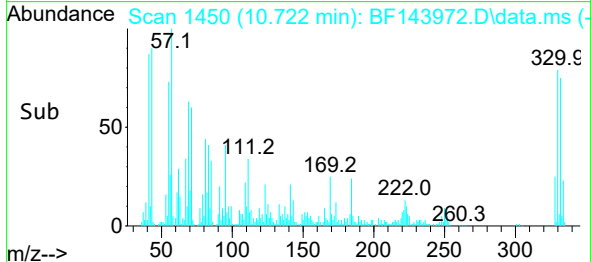
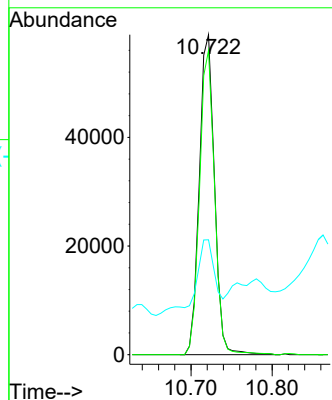
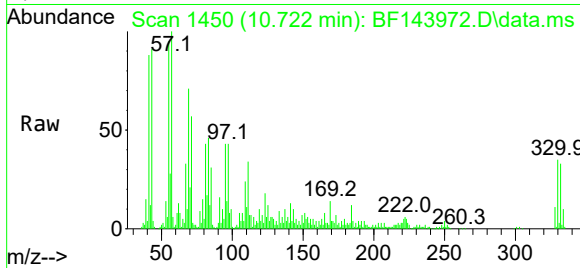




#42
2,4,6-Tribromophenol
Concen: 54.083 ng
RT: 10.722 min Scan# 1449
Delta R.T. 0.000 min
Lab File: BF143972.D
Acq: 16 Oct 2025 00:45

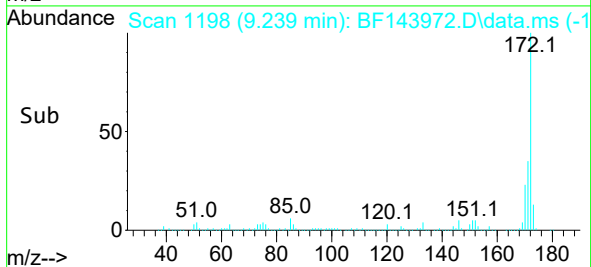
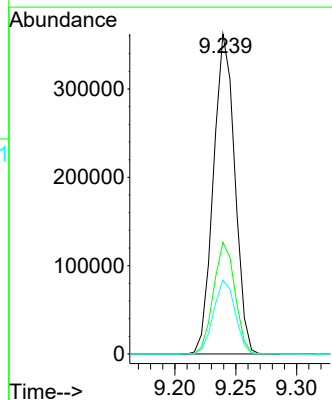
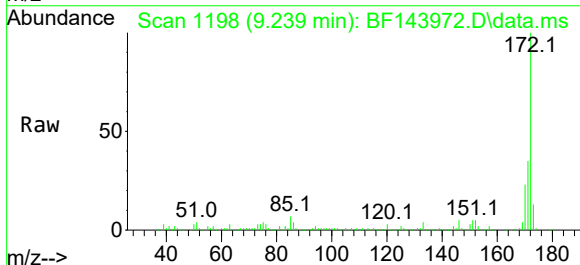
Instrument :
BNA_F
ClientSampleId :
CONCRETE-1

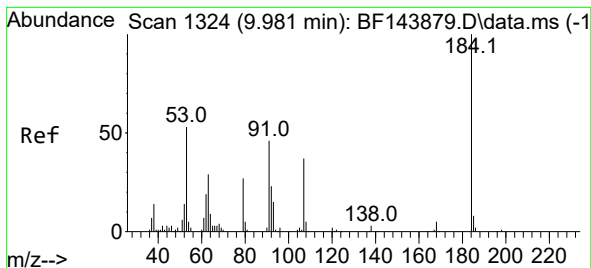
Tgt Ion:330 Resp: 76564
Ion Ratio Lower Upper
330 100
332 94.4 76.9 115.3
141 30.6 20.2 30.4#



#45
2-Fluorobiphenyl
Concen: 49.460 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143972.D
Acq: 16 Oct 2025 00:45

Tgt Ion:172 Resp: 443039
Ion Ratio Lower Upper
172 100
171 34.9 27.4 41.0
170 23.2 18.6 28.0





#54

2,4-Dinitrophenol

Concen: 7.191 ng

RT: 9.851 min Scan# 11

Delta R.T. -0.135 min

Lab File: BF143972.D

Acq: 16 Oct 2025 00:45

Instrument :

BNA_F

ClientSampleId :

CONCRETE-1

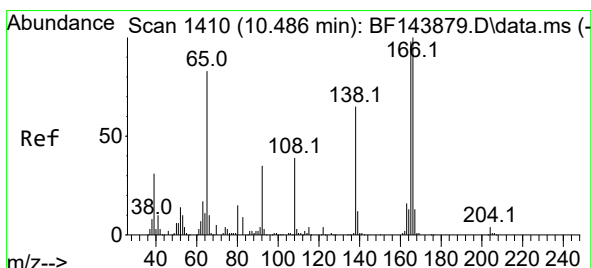
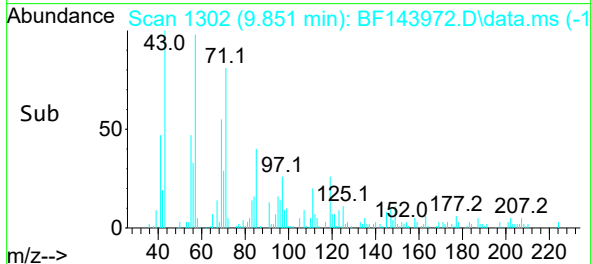
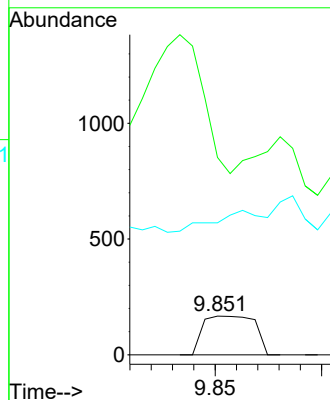
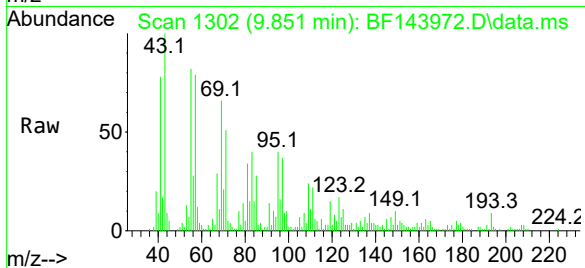
Tgt Ion:184 Resp: 283

Ion Ratio Lower Upper

184 100

63 510.8 48.2 72.4#

154 341.3 49.2 73.8#



#62

4-Nitroaniline

Concen: 2.191 ng

RT: 10.333 min Scan# 1384

Delta R.T. -0.176 min

Lab File: BF143972.D

Acq: 16 Oct 2025 00:45

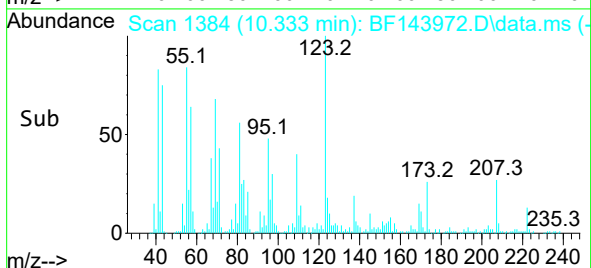
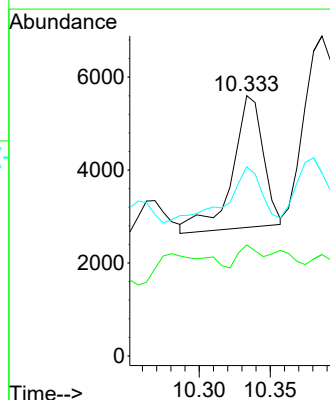
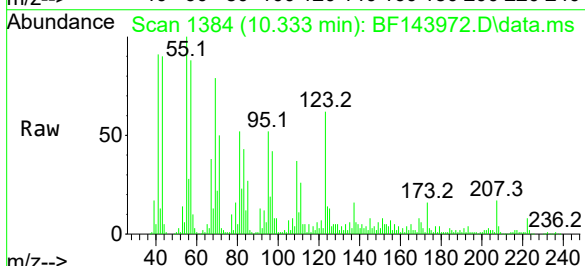
Tgt Ion:138 Resp: 4317

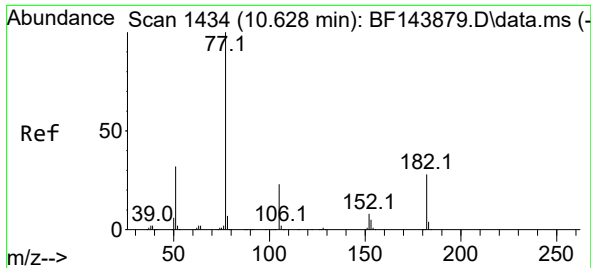
Ion Ratio Lower Upper

138 100

92 42.6 33.9 73.9

108 72.6 40.2 80.2

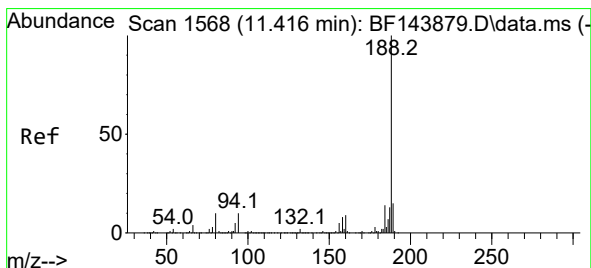
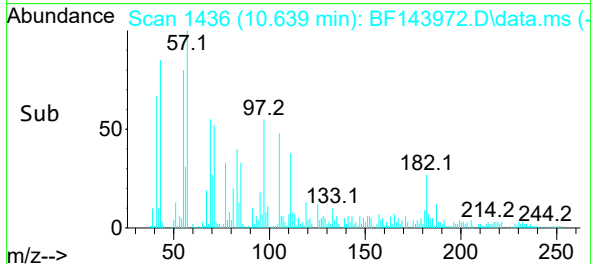
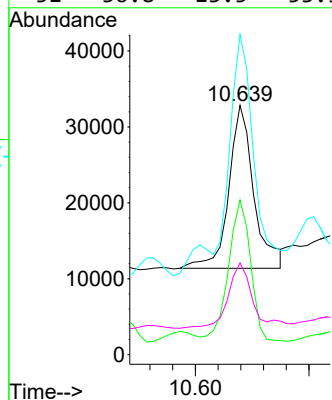
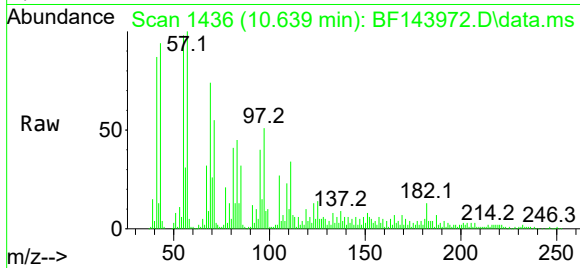




#63
Azobenzene
Concen: 3.753 ng
RT: 10.639 min Scan# 1434
Delta R.T. 0.006 min
Lab File: BF143972.D
Acq: 16 Oct 2025 00:45

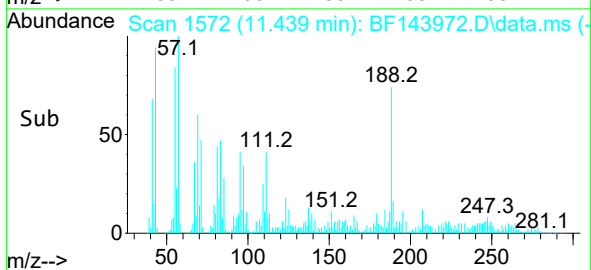
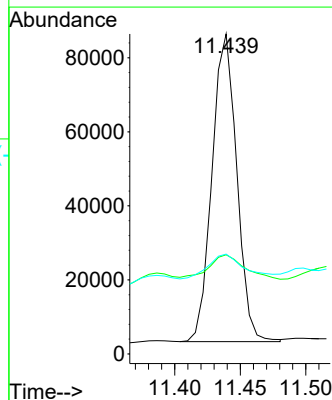
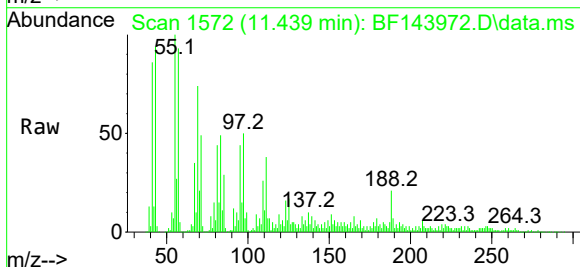
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BNA_F
ClientSampleId :
CONCRETE-1

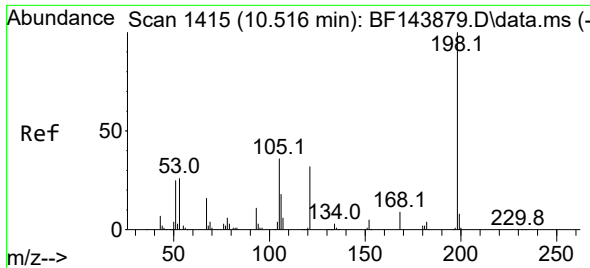
Tgt Ion: 77 Resp: 32888
Ion Ratio Lower Upper
77 100
182 62.0 7.3 47.3#
105 128.4 3.0 43.0#
51 36.8 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.439 min Scan# 1572
Delta R.T. 0.024 min
Lab File: BF143972.D
Acq: 16 Oct 2025 00:45

Tgt Ion:188 Resp: 109075
Ion Ratio Lower Upper
188 100
94 31.0 7.8 11.6#
80 31.2 7.9 11.9#

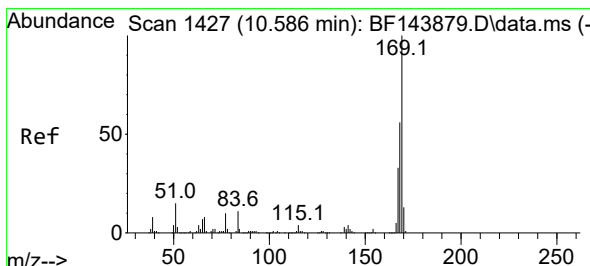
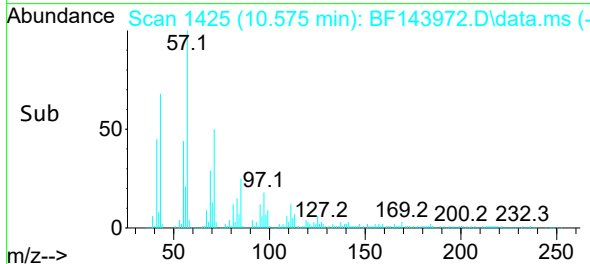
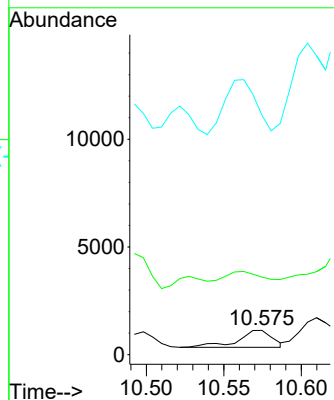
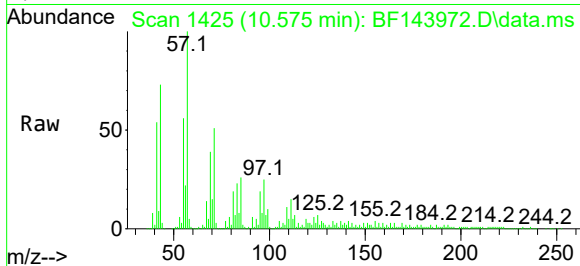




#65
4,6-Dinitro-2-methylphenol
Concen: 2.229 ng
RT: 10.575 min Scan# 1415
Delta R.T. 0.041 min
Lab File: BF143972.D
Acq: 16 Oct 2025 00:45

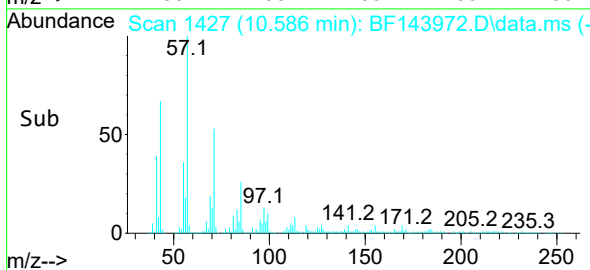
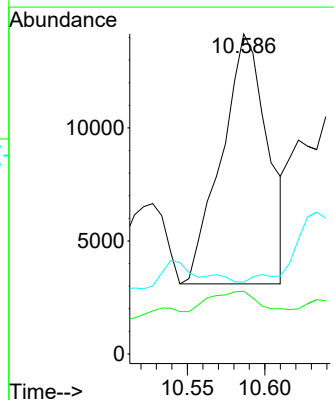
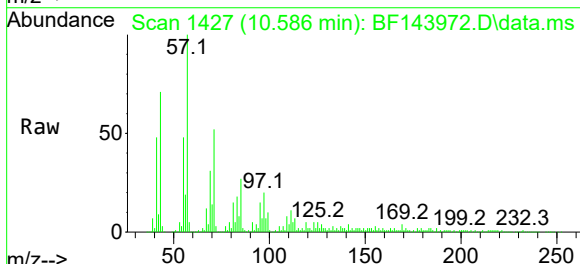
Instrument :
BNA_F
ClientSampleId :
CONCRETE-1

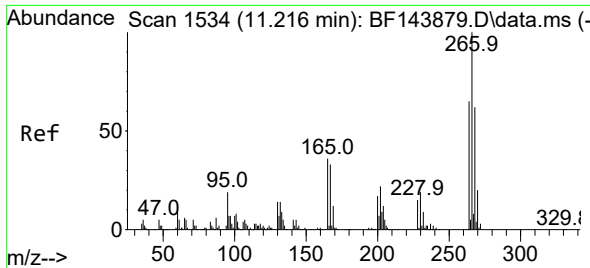
Tgt Ion:198 Resp: 1222
Ion Ratio Lower Upper
198 100
51 319.2 33.8 73.8#
105 984.5 17.0 57.0#



#66
n-Nitrosodiphenylamine
Concen: 6.656 ng
RT: 10.586 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143972.D
Acq: 16 Oct 2025 00:45

Tgt Ion:169 Resp: 22797
Ion Ratio Lower Upper
169 100
168 19.6 44.9 67.3#
167 22.4 26.3 39.5#

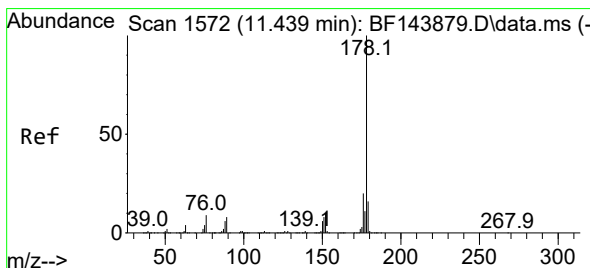
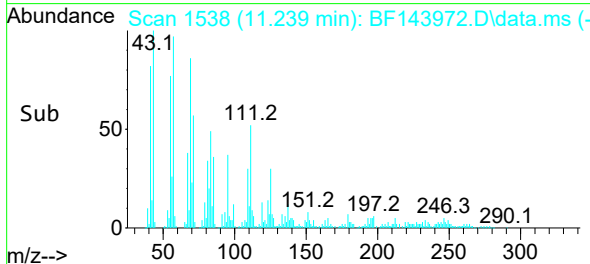
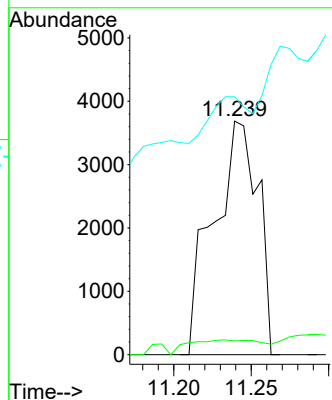
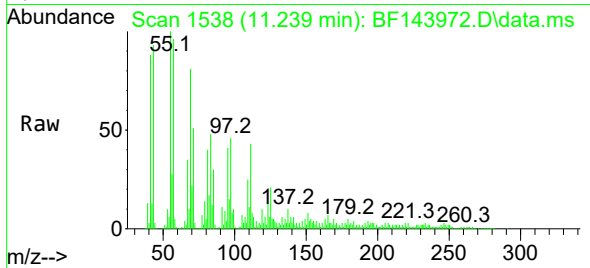




#70
Pentachlorophenol
Concen: 9.194 ng
RT: 11.239 min Scan# 1538
Delta R.T. 0.018 min
Lab File: BF143972.D
Acq: 16 Oct 2025 00:45

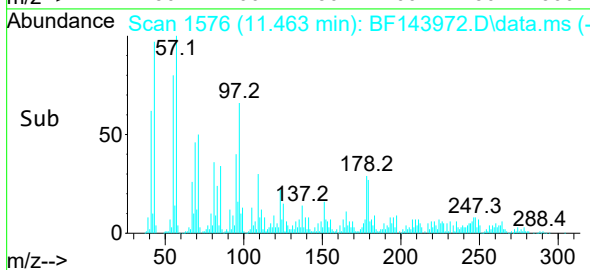
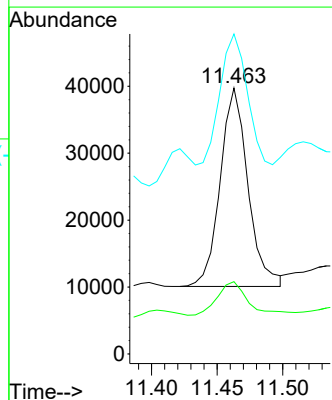
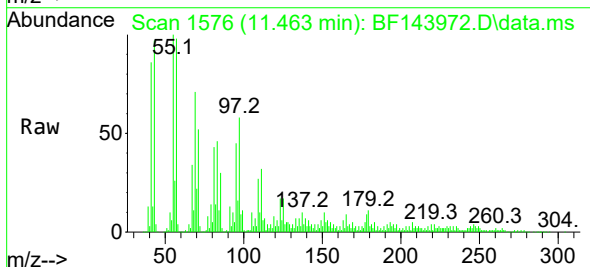
Instrument :
BNA_F
ClientSampleId :
CONCRETE-1

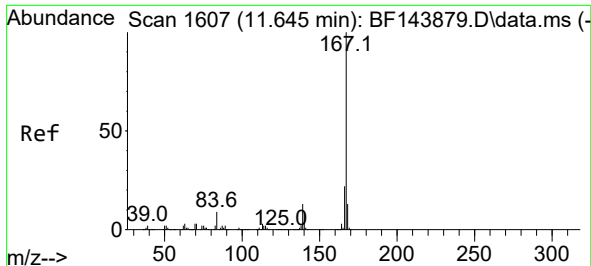
Tgt Ion:266 Resp: 7369
Ion Ratio Lower Upper
266 100
268 5.9 49.4 74.0#
264 110.4 51.8 77.6#



#71
Phenanthrene
Concen: 8.269 ng
RT: 11.463 min Scan# 1576
Delta R.T. 0.018 min
Lab File: BF143972.D
Acq: 16 Oct 2025 00:45

Tgt Ion:178 Resp: 43724
Ion Ratio Lower Upper
178 100
176 27.2 15.9 23.9#
179 120.3 12.4 18.6#

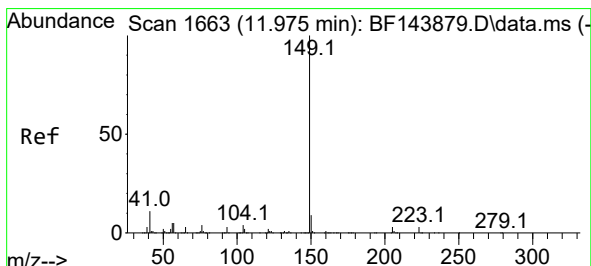
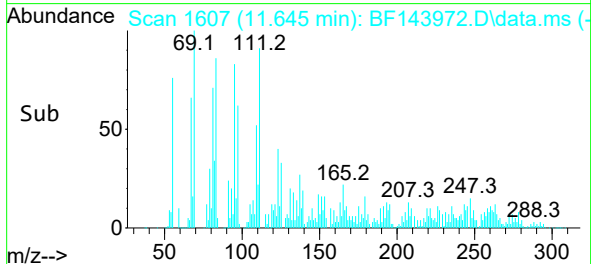
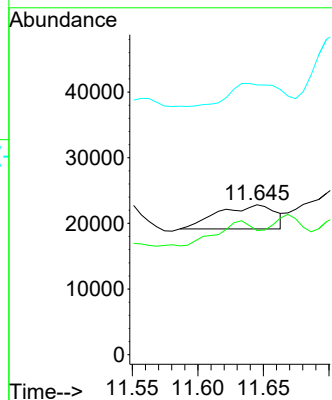
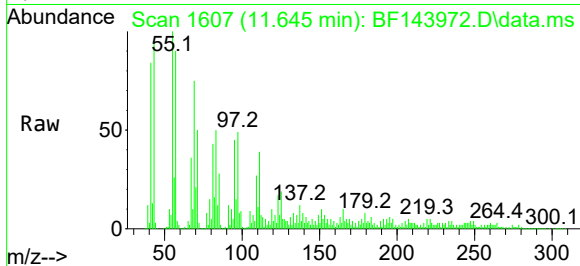




#73
Carbazole
Concen: 2.346 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143972.D
Acq: 16 Oct 2025 00:45

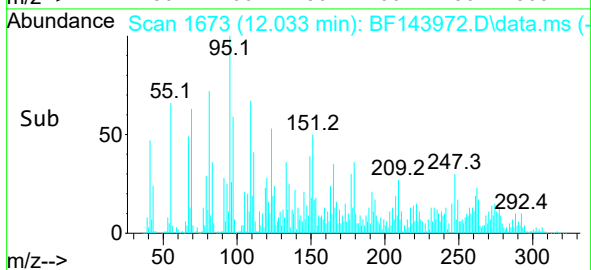
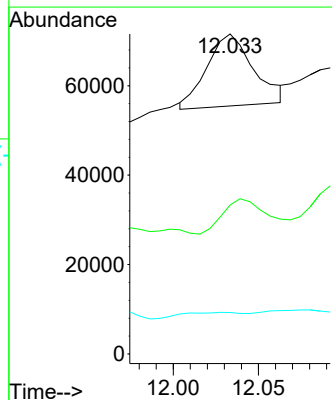
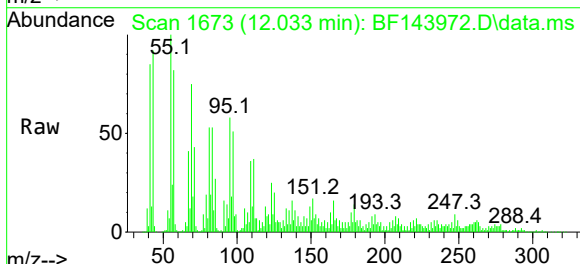
Instrument :
BNA_F
ClientSampleId :
CONCRETE-1

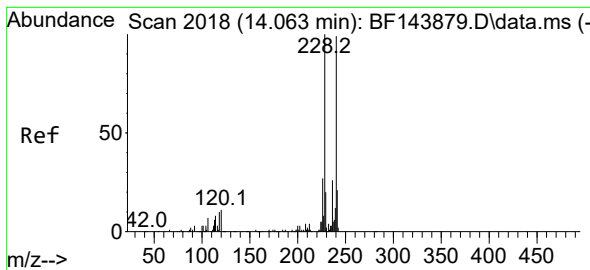
Tgt Ion:167 Resp: 11099
Ion Ratio Lower Upper
167 100
166 82.8 17.2 25.8#
139 179.9 10.1 15.1#



#74
Di-n-butylphthalate
Concen: 5.604 ng
RT: 12.033 min Scan# 1673
Delta R.T. 0.053 min
Lab File: BF143972.D
Acq: 16 Oct 2025 00:45

Tgt Ion:149 Resp: 30731
Ion Ratio Lower Upper
149 100
150 46.5 7.4 11.2#
104 12.9 3.4 5.2#

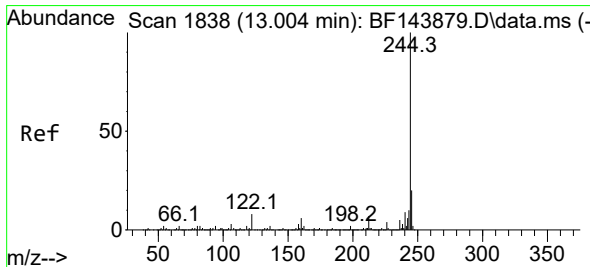
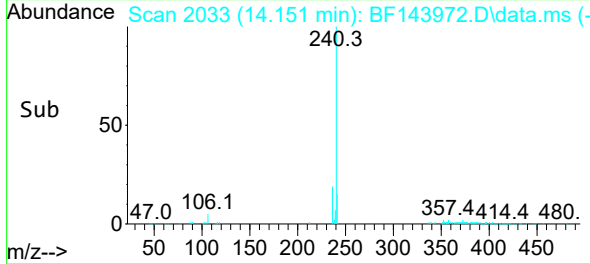
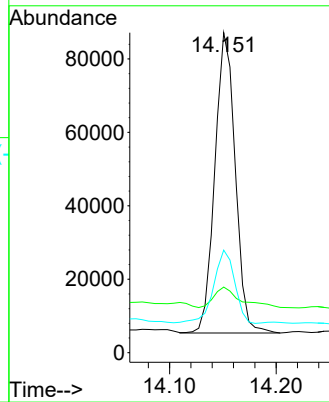
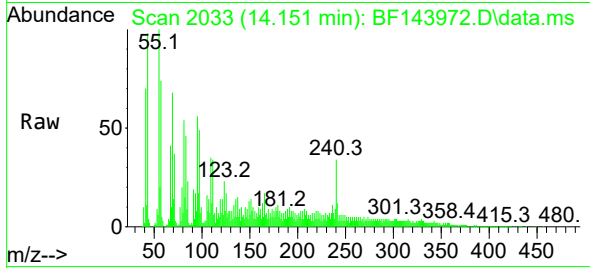




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.151 min Scan# 2018
Delta R.T. 0.083 min
Lab File: BF143972.D
Acq: 16 Oct 2025 00:45

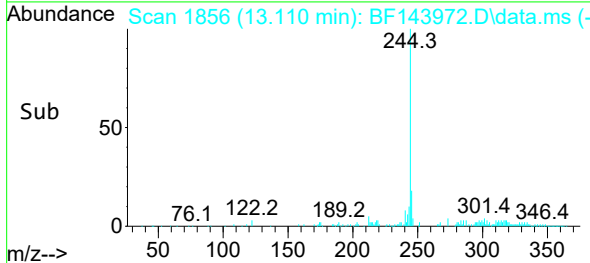
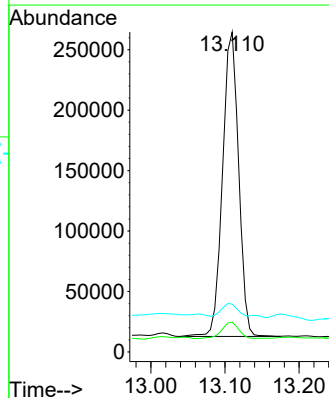
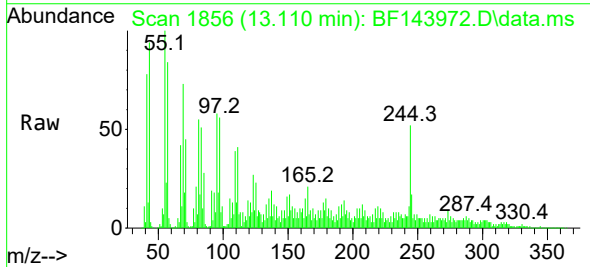
Instrument :
BNA_F
ClientSampleId :
CONCRETE-1

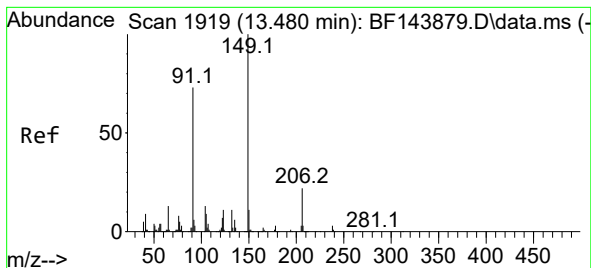
Tgt Ion:240 Resp: 108805
Ion Ratio Lower Upper
240 100
120 20.5 8.6 13.0#
236 32.0 21.1 31.7#



#79
Terphenyl-d14
Concen: 59.425 ng
RT: 13.110 min Scan# 1856
Delta R.T. 0.100 min
Lab File: BF143972.D
Acq: 16 Oct 2025 00:45

Tgt Ion:244 Resp: 378316
Ion Ratio Lower Upper
244 100
212 9.3 5.4 8.0#
122 15.0 6.4 9.6#





#80

Butylbenzylphthalate

Concen: 6.794 ng

RT: 13.686 min Scan# 1919

Delta R.T. 0.206 min

Lab File: BF143972.D

Acq: 16 Oct 2025 00:45

Instrument :

BNA_F

ClientSampleId :

CONCRETE-1

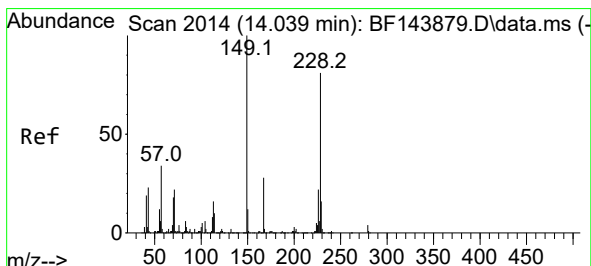
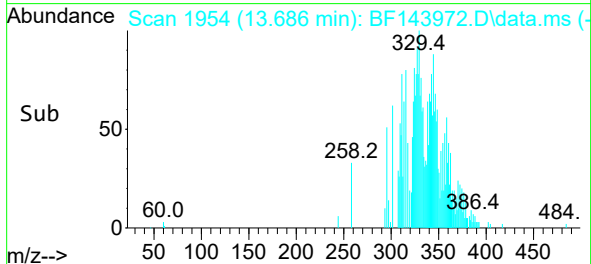
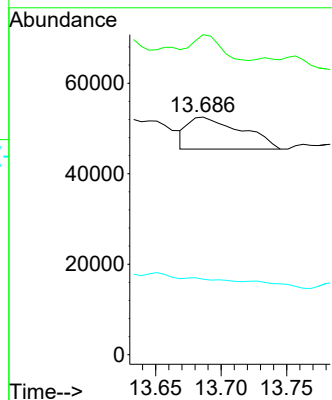
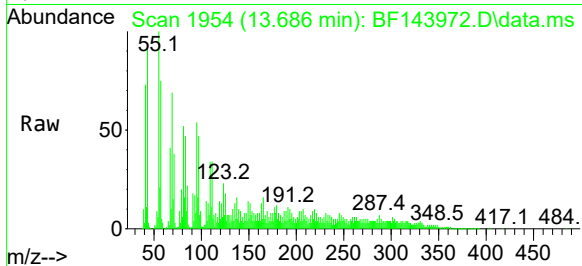
Tgt Ion:149 Resp: 20015

Ion Ratio Lower Upper

149 100

91 134.6 58.2 87.2#

206 31.8 17.9 26.9#



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.906 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.059 min

Lab File: BF143972.D

Acq: 16 Oct 2025 00:45

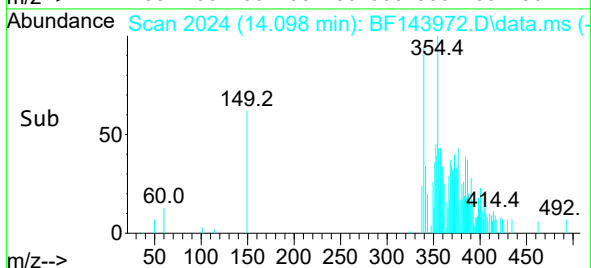
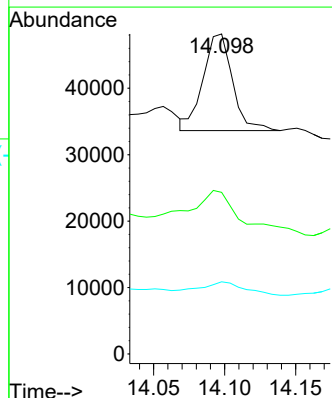
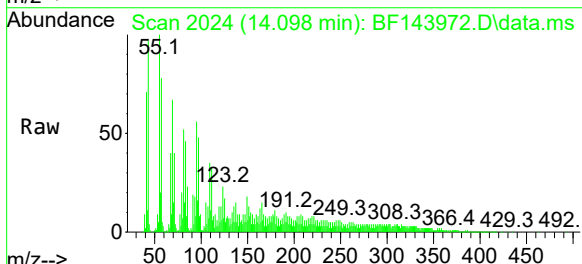
Tgt Ion:149 Resp: 20972

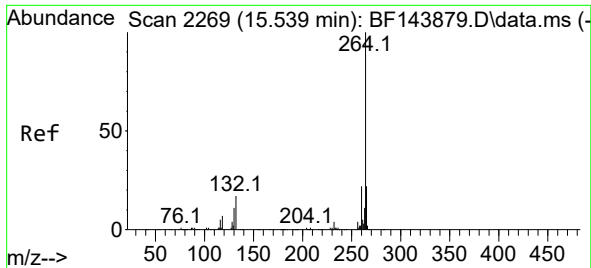
Ion Ratio Lower Upper

149 100

167 50.5 22.2 33.4#

279 22.5 3.1 4.7#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 21
Delta R.T. 0.047 min
Lab File: BF143972.D
Acq: 16 Oct 2025 00:45

Instrument :
BNA_F
ClientSampleId :
CONCRETE-1

Tgt Ion:264 Resp: 142136

Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.8	26.8
265	22.3	17.5	26.3

