

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
 Data File : BF143443.D
 Acq On : 18 Aug 2025 16:04
 Operator : RC/JU
 Sample : Q2874-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ELI-HQ-CONCRETE

Quant Time: Aug 18 16:30:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 18 04:40:19 2025
 Response via : Initial Calibration

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

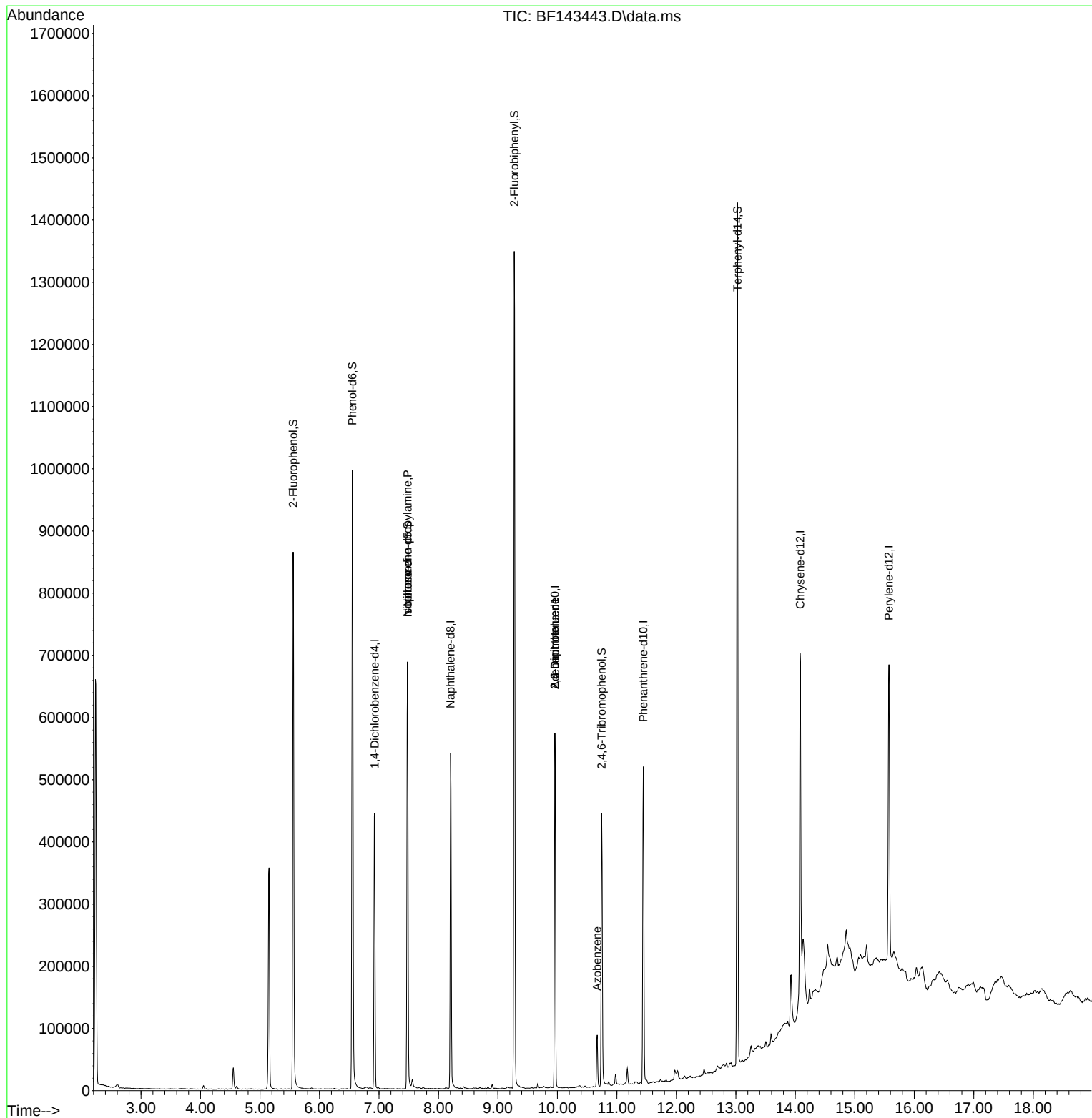
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	97575	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	342091	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	169694	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	261895	20.000	ng	0.00
76) Chrysene-d12	14.080	240	277684	20.000	ng	0.00
86) Perylene-d12	15.574	264	299941	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	319433	56.908	ng	0.00
7) Phenol-d6	6.551	99	463427	65.512	ng	0.00
23) Nitrobenzene-d5	7.481	82	295780	51.306	ng	0.00
42) 2,4,6-Tribromophenol	10.745	330	74652	49.425	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	596594	59.134	ng	0.00
79) Terphenyl-d14	13.027	244	688888	41.674	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.481	70	39280	8.969	ng	# 78
25) Isophorone	7.481	82	293827	26.630	ng	# 65
51) 2,6-Dinitrotoluene	9.957	165	21759	10.433	ng	# 24
57) 2,4-Dinitrotoluene	9.957	165	21759	7.825	ng	# 25
63) Azobenzene	10.669	77	21512	2.177	ng	# 1

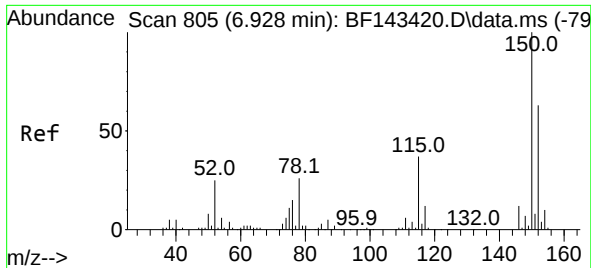
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

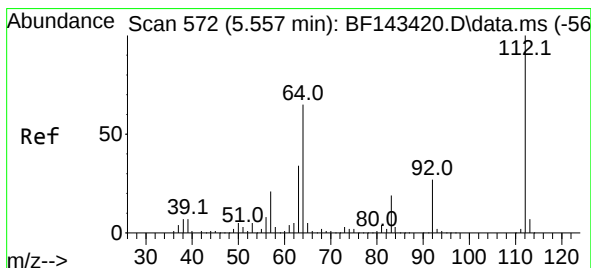
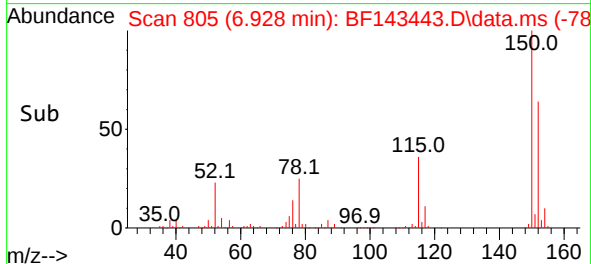
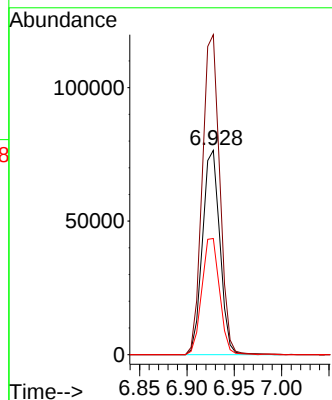
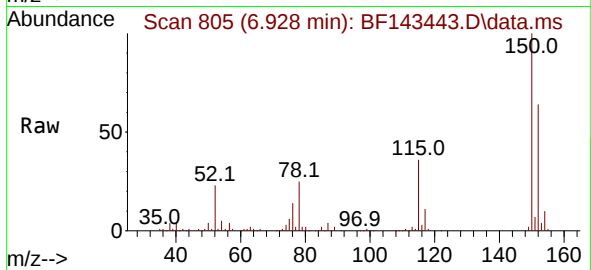




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF143443.D
 Acq: 18 Aug 2025 16:04

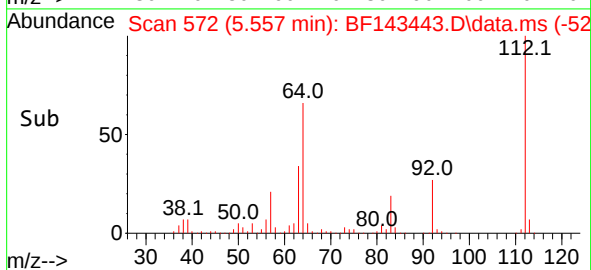
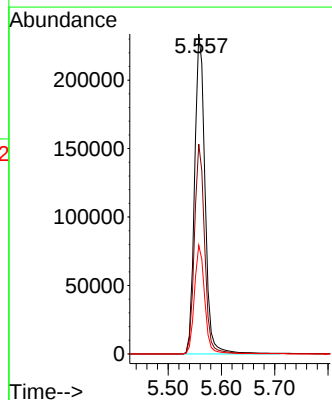
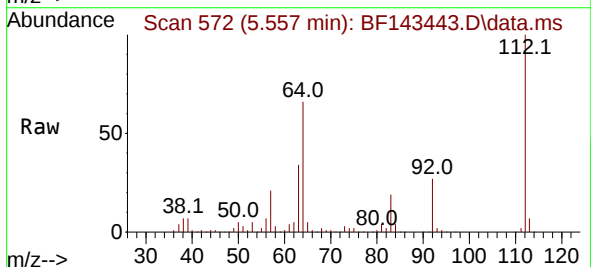
Instrument :
 BNA_F
 ClientSampleId :
 ELI-HQ-CONCRETE

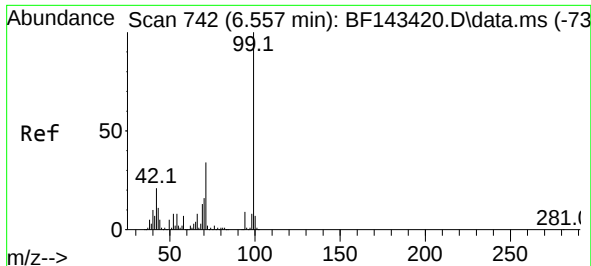
Tgt Ion:152 Resp: 97575
 Ion Ratio Lower Upper
 152 100
 150 156.6 127.4 191.2
 115 56.8 47.5 71.3



#5
 2-Fluorophenol
 Concen: 56.908 ng
 RT: 5.557 min Scan# 572
 Delta R.T. -0.000 min
 Lab File: BF143443.D
 Acq: 18 Aug 2025 16:04

Tgt Ion:112 Resp: 319433
 Ion Ratio Lower Upper
 112 100
 64 65.6 52.2 78.2
 63 34.0 27.0 40.6

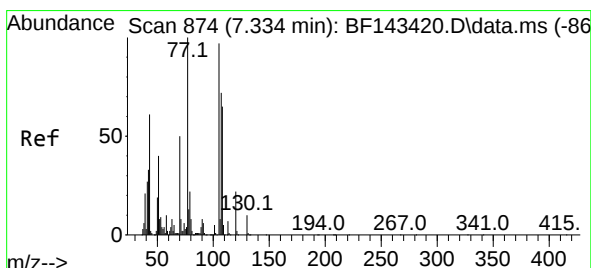
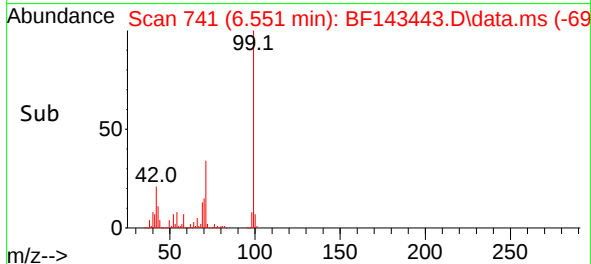
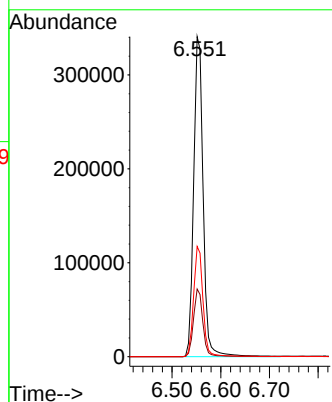
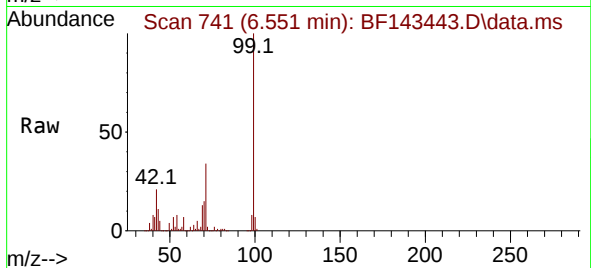




#7
Phenol-d6
Concen: 65.512 ng
RT: 6.551 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF143443.D
Acq: 18 Aug 2025 16:04

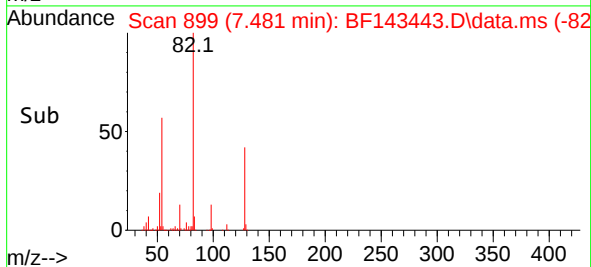
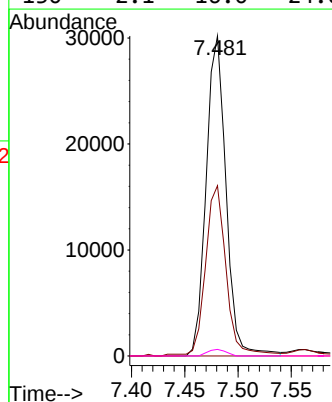
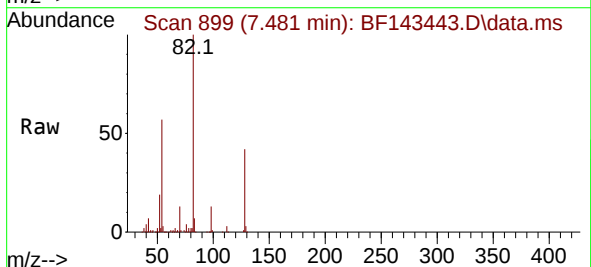
Instrument :
BNA_F
ClientSampleId :
ELI-HQ-CONCRETE

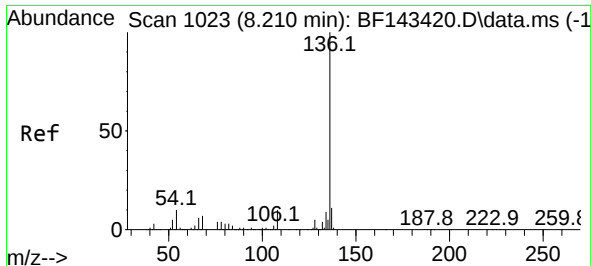
Tgt Ion: 99 Resp: 463427
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 34.5 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 8.969 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.147 min
Lab File: BF143443.D
Acq: 18 Aug 2025 16:04

Tgt Ion: 70 Resp: 39280
Ion Ratio Lower Upper
70 100
42 53.2 52.5 78.7
101 0.0 7.9 11.9#
130 2.1 16.0 24.0#

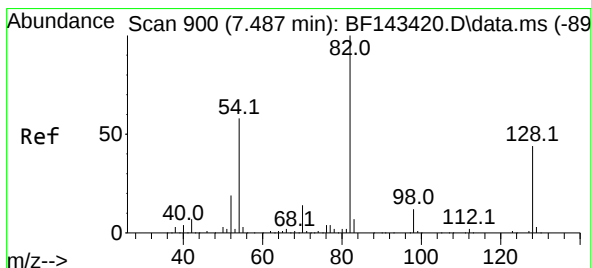
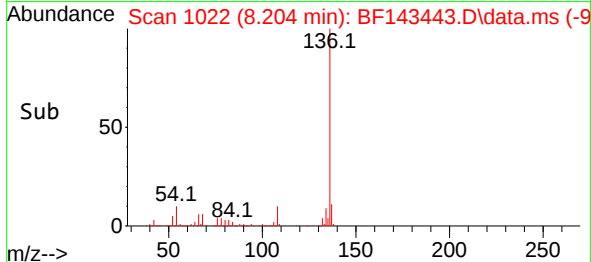
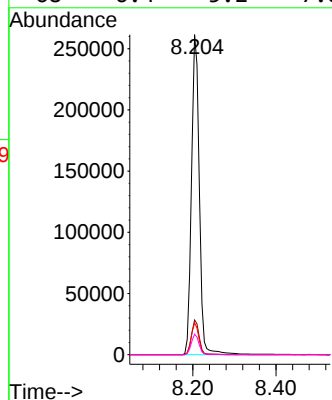
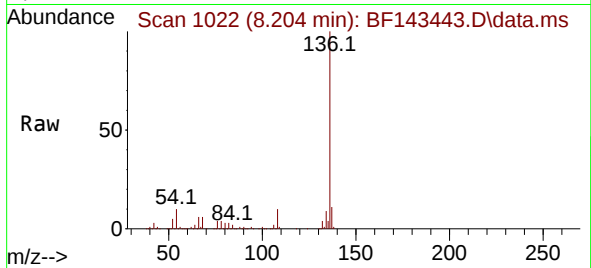




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143443.D
Acq: 18 Aug 2025 16:04

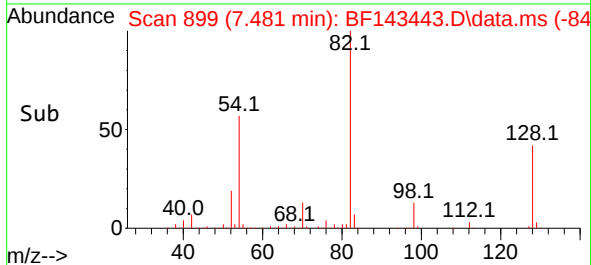
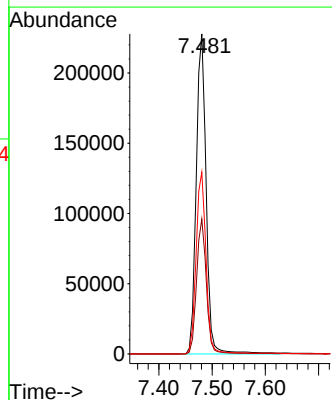
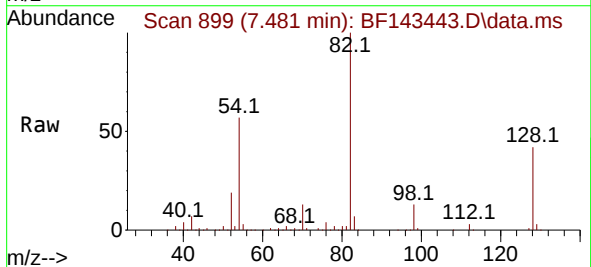
Instrument :
BNA_F
ClientSampleId :
ELI-HQ-CONCRETE

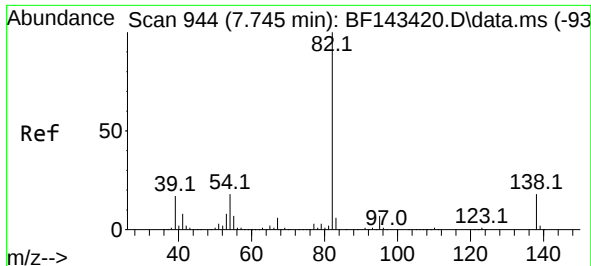
Tgt Ion:136 Resp: 342091
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 9.9 7.8 11.8
68 6.4 5.2 7.8



#23
Nitrobenzene-d5
Concen: 51.306 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF143443.D
Acq: 18 Aug 2025 16:04

Tgt Ion: 82 Resp: 295780
Ion Ratio Lower Upper
82 100
128 42.2 34.6 52.0
54 56.8 46.0 69.0

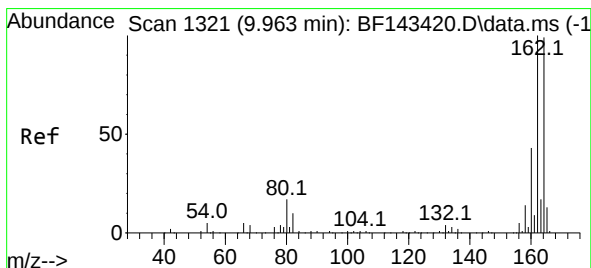
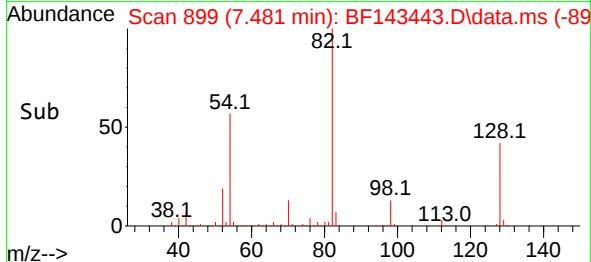
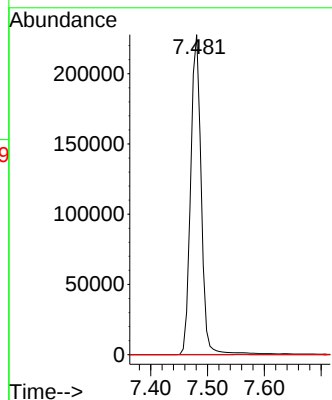
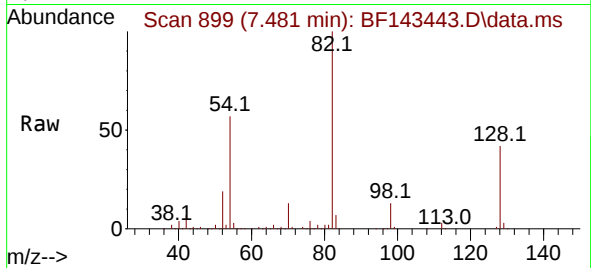




#25
Isophorone
Concen: 26.630 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.265 min
Lab File: BF143443.D
Acq: 18 Aug 2025 16:04

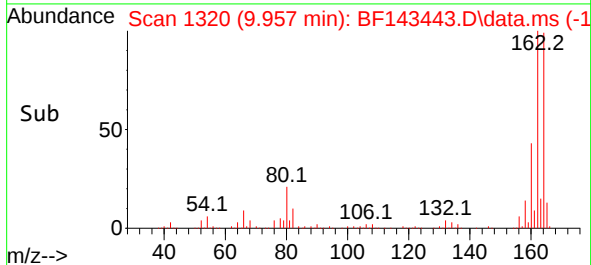
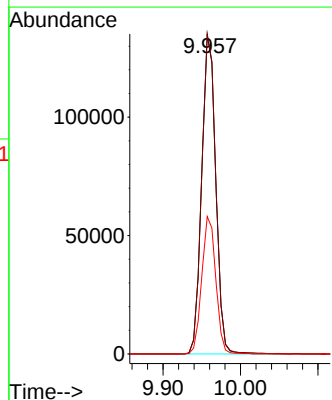
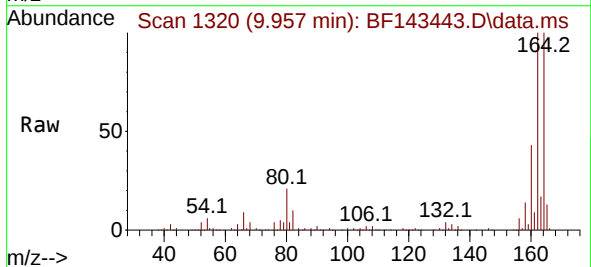
Instrument :
BNA_F
ClientSampleId :
ELI-HQ-CONCRETE

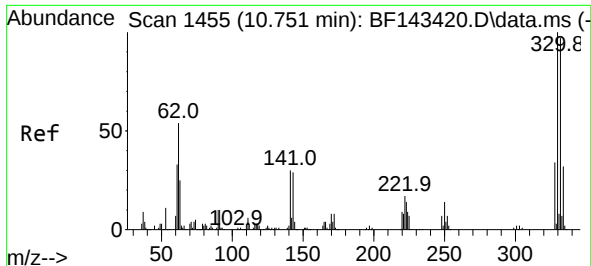
Tgt Ion: 82 Resp: 293827
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143443.D
Acq: 18 Aug 2025 16:04

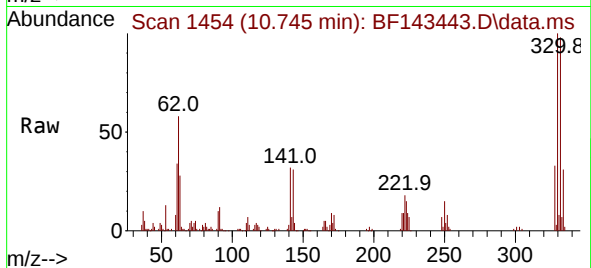
Tgt Ion:164 Resp: 169694
Ion Ratio Lower Upper
164 100
162 100.3 80.6 121.0
160 43.1 34.6 51.8



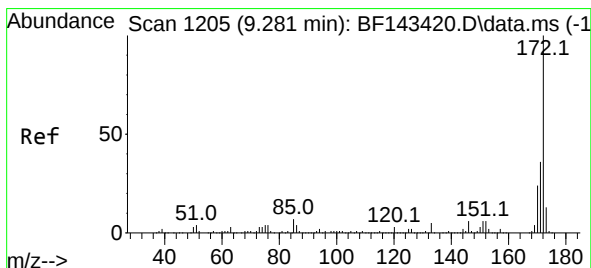
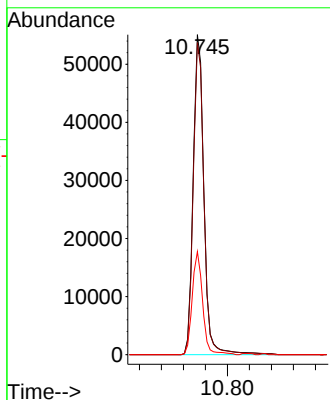
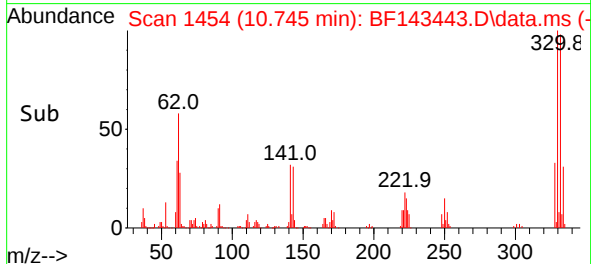


#42
2,4,6-Tribromophenol
Concen: 49.425 ng
RT: 10.745 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF143443.D
Acq: 18 Aug 2025 16:04

Instrument :
BNA_F
ClientSampleId :
ELI-HQ-CONCRETE

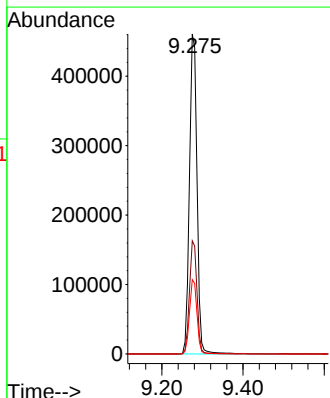
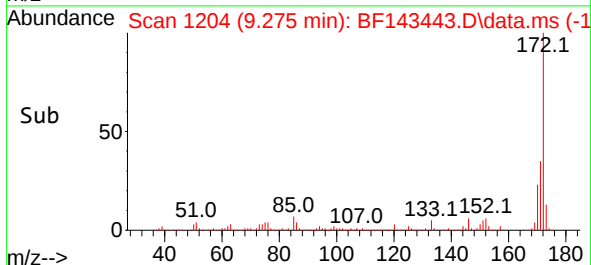
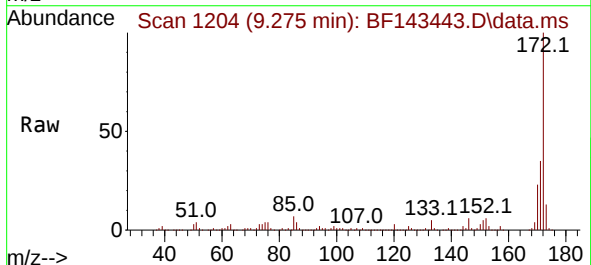


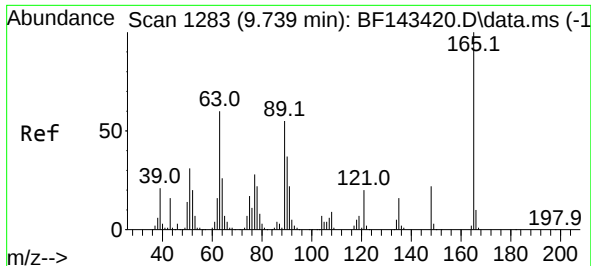
Tgt Ion:330 Resp: 74652
Ion Ratio Lower Upper
330 100
332 97.2 77.4 116.2
141 31.2 24.1 36.1



#45
2-Fluorobiphenyl
Concen: 59.134 ng
RT: 9.275 min Scan# 1204
Delta R.T. -0.006 min
Lab File: BF143443.D
Acq: 18 Aug 2025 16:04

Tgt Ion:172 Resp: 596594
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.2 19.0 28.6

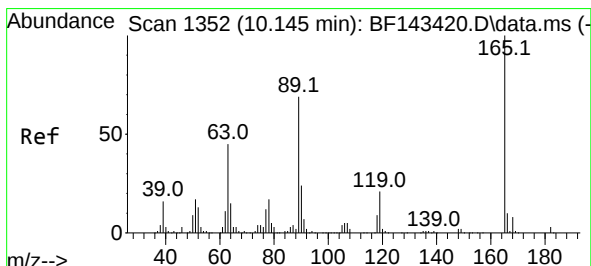
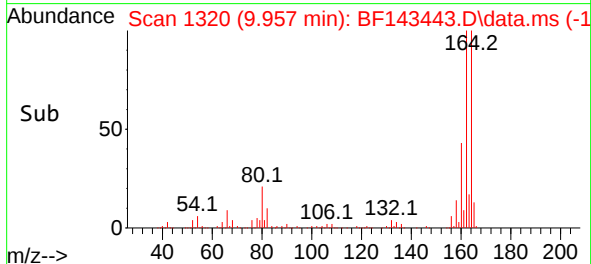
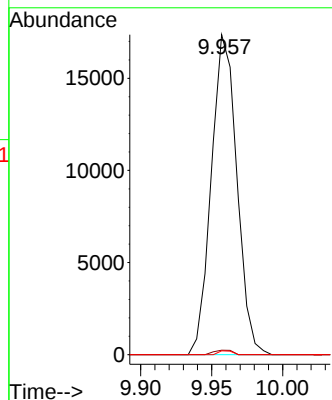
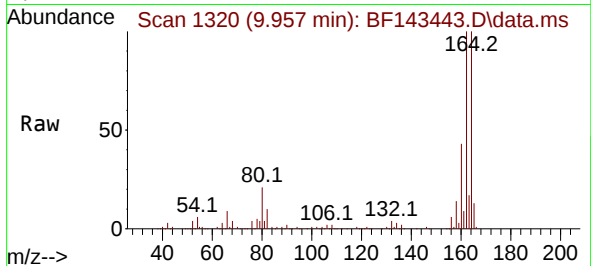




#51
2,6-Dinitrotoluene
Concen: 10.433 ng
RT: 9.957 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF143443.D
Acq: 18 Aug 2025 16:04

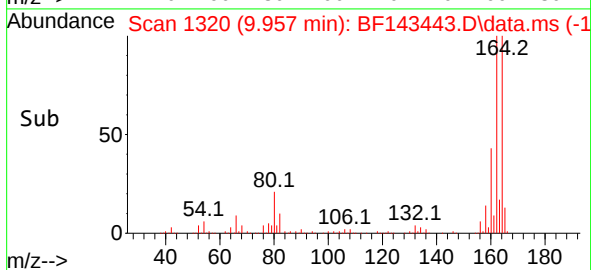
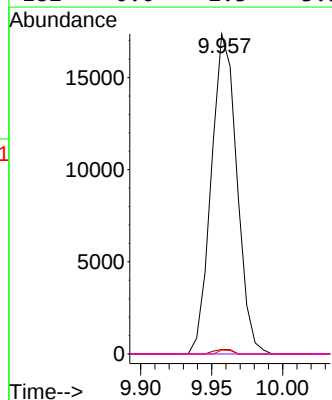
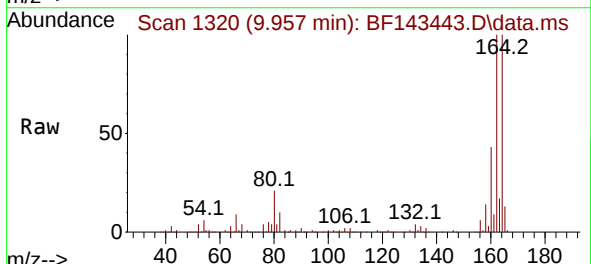
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BNA_F
ClientSampleId :
ELI-HQ-CONCRETE

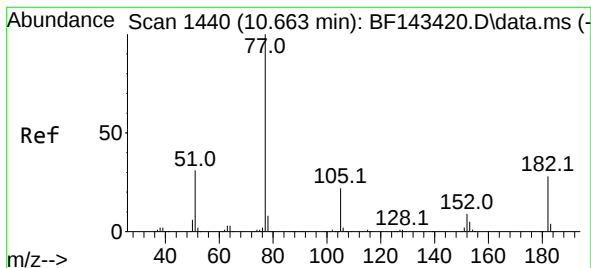
Tgt Ion:165 Resp: 21759
Ion Ratio Lower Upper
165 100
63 1.4 48.2 72.2#
89 1.2 44.2 66.2#



#57
2,4-Dinitrotoluene
Concen: 7.825 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.188 min
Lab File: BF143443.D
Acq: 18 Aug 2025 16:04

Tgt Ion:165 Resp: 21759
Ion Ratio Lower Upper
165 100
63 1.4 37.0 55.6#
89 1.2 55.4 83.0#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 2.177 ng

RT: 10.669 min Scan# 1440

Delta R.T. 0.006 min

Lab File: BF143443.D

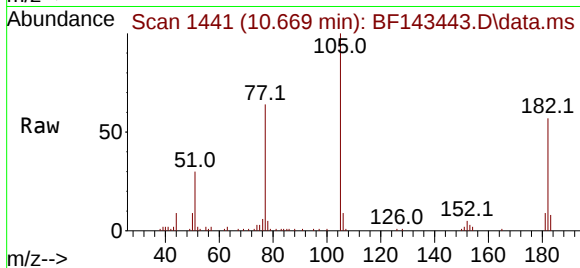
Acq: 18 Aug 2025 16:04

Instrument :

BNA_F

ClientSampleId :

ELI-HQ-CONCRETE



Tgt Ion: 77 Resp: 21512

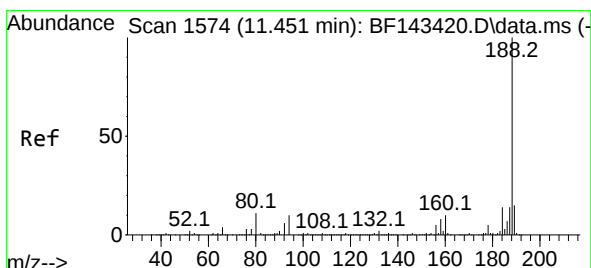
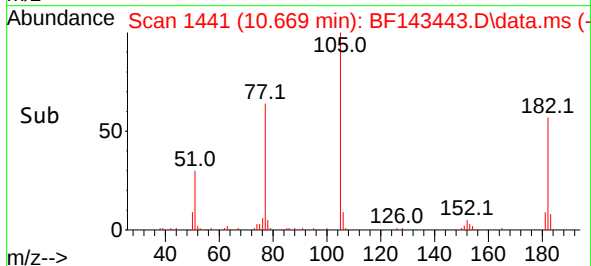
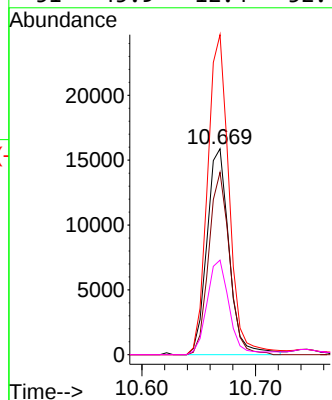
Ion Ratio Lower Upper

77 100

182 88.6 7.4 47.4#

105 155.3 1.7 41.7#

51 45.9 12.4 52.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.445 min Scan# 1573

Delta R.T. -0.006 min

Lab File: BF143443.D

Acq: 18 Aug 2025 16:04

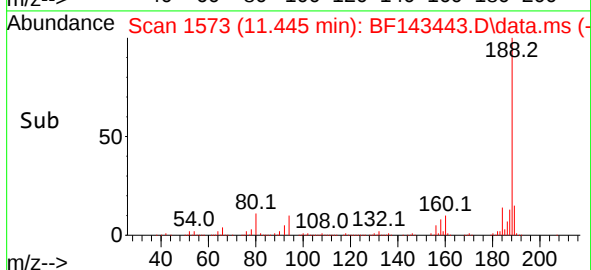
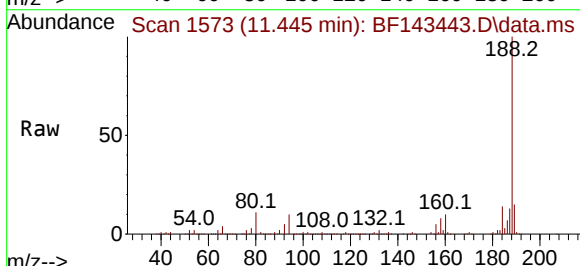
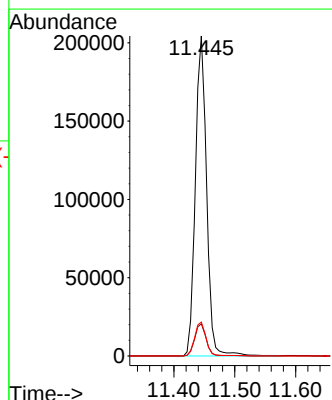
Tgt Ion: 188 Resp: 261895

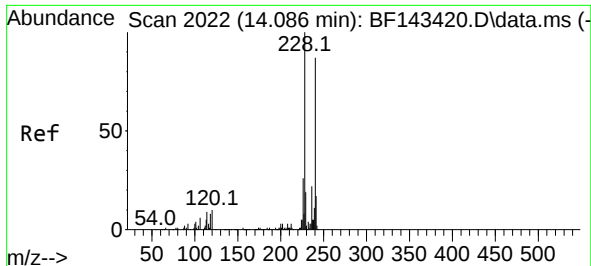
Ion Ratio Lower Upper

188 100

94 10.0 8.0 12.0

80 10.6 8.6 12.8

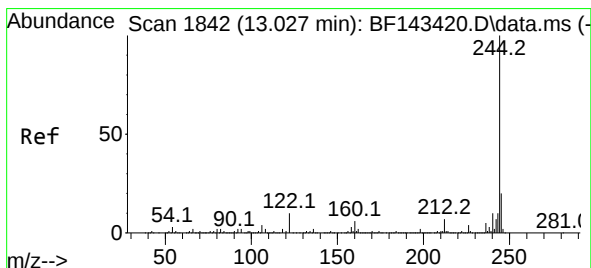
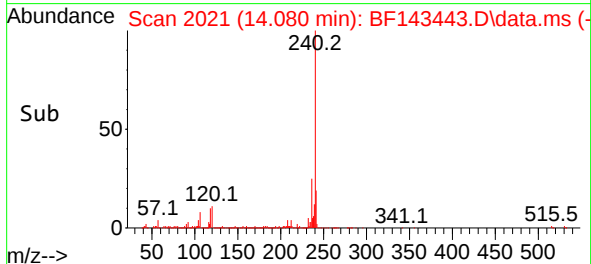
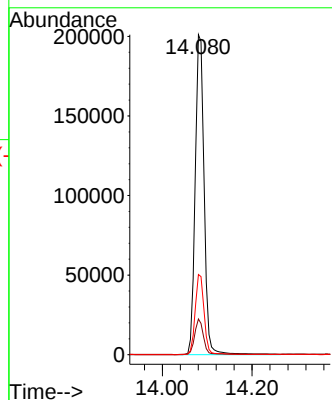
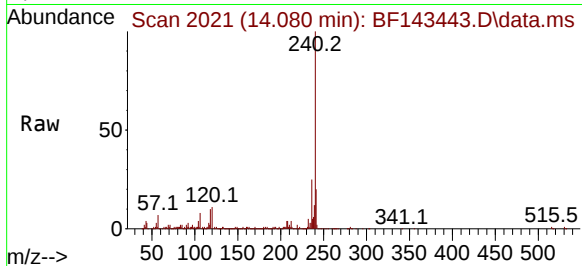




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.080 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143443.D
Acq: 18 Aug 2025 16:04

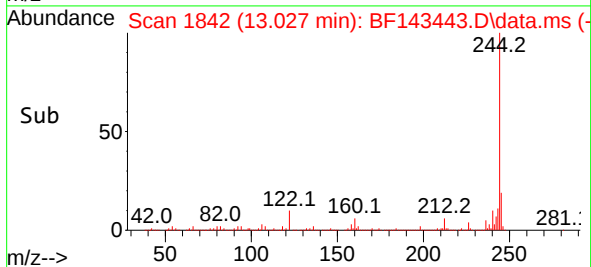
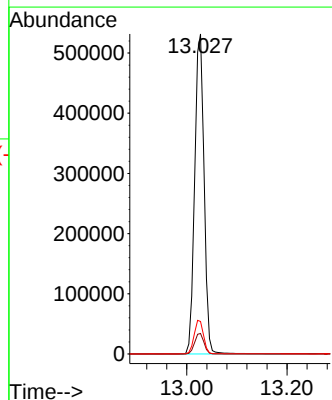
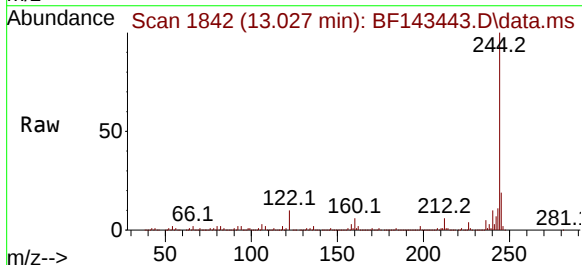
Instrument :
BNA_F
ClientSampleId :
ELI-HQ-CONCRETE

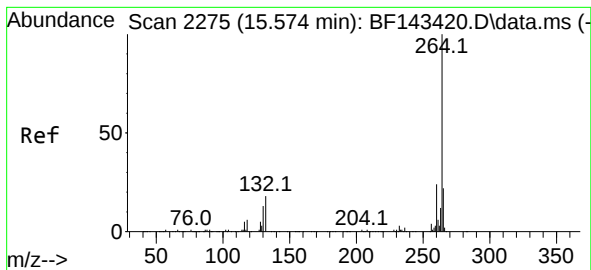
Tgt Ion:240 Resp: 277684
Ion Ratio Lower Upper
240 100
120 11.2 9.0 13.4
236 25.1 20.2 30.2



#79
Terphenyl-d14
Concen: 41.674 ng
RT: 13.027 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BF143443.D
Acq: 18 Aug 2025 16:04

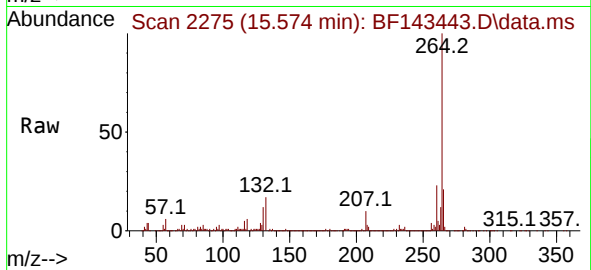
Tgt Ion:244 Resp: 688888
Ion Ratio Lower Upper
244 100
212 6.4 5.2 7.8
122 10.1 8.3 12.5





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.574 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF143443.D
 Acq: 18 Aug 2025 16:04

Instrument :
 BNA_F
 ClientSampleId :
 ELI-HQ-CONCRETE



Tgt Ion:264 Resp: 299941

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.8	28.2
265	21.0	17.4	26.0

