

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102924\
 Data File : BF140109.D
 Acq On : 29 Oct 2024 13:50
 Operator : RC/JU
 Sample : P4574-11
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-3

Quant Time: Oct 29 14:17:41 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

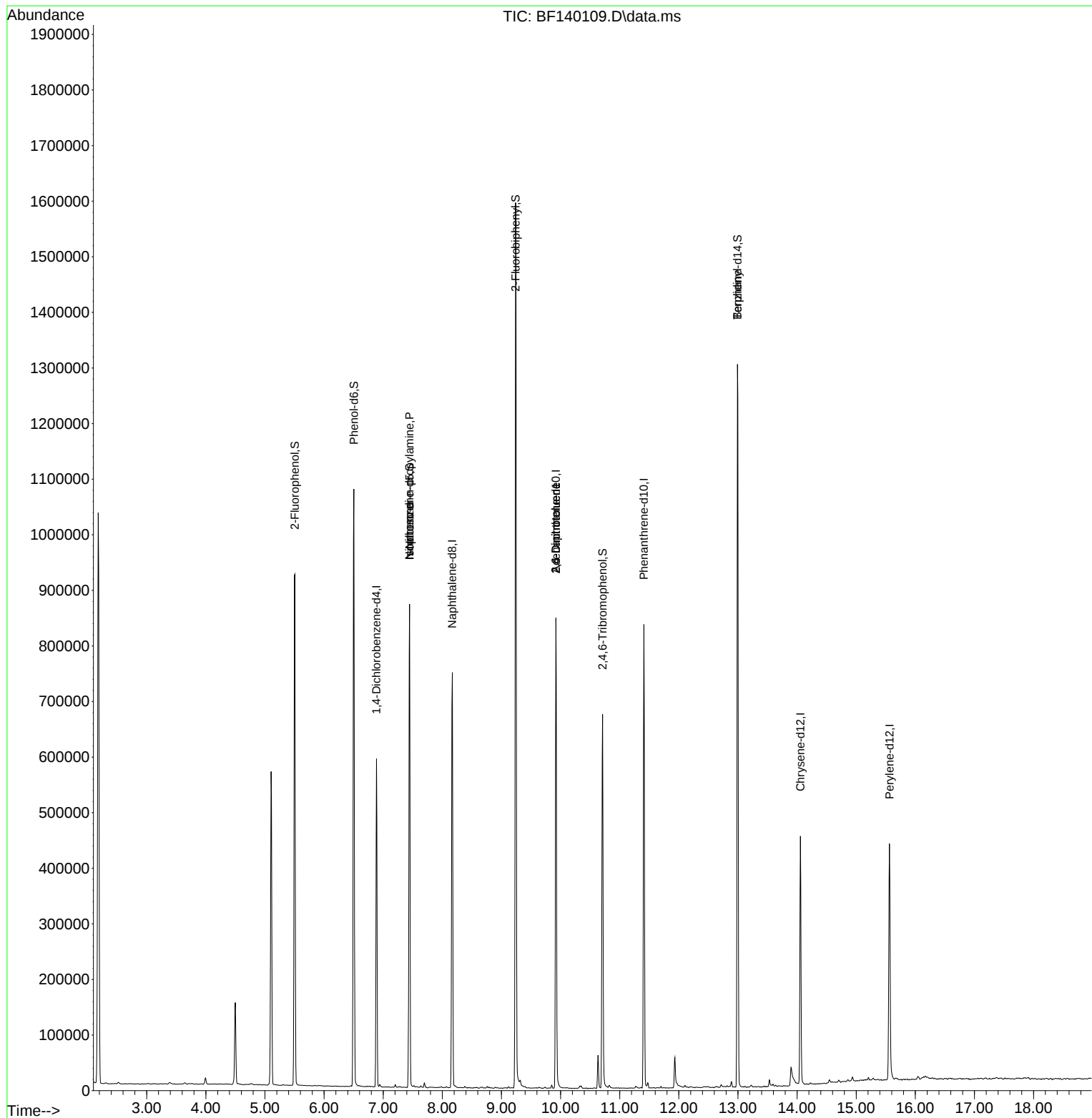
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	116741	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	458109	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	254406	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	440468	20.000	ng	0.00
76) Chrysene-d12	14.057	240	213228	20.000	ng	0.00
86) Perylene-d12	15.562	264	264291	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	334462	44.851	ng	0.00
7) Phenol-d6	6.504	99	482713	49.979	ng	0.00
23) Nitrobenzene-d5	7.445	82	376103	45.502	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	114665	48.186	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	731928	47.548	ng	-0.01
79) Terphenyl-d14	12.992	244	652680	49.878	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.445	70	50640	8.645	ng	# 76
25) Isophorone	7.445	82	372567	23.748	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	32866	9.579	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	32927	7.804	ng	# 21
77) Benzidine	12.992	184	8019	2.287	ng	# 92

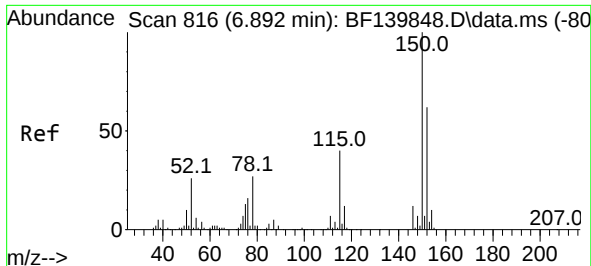
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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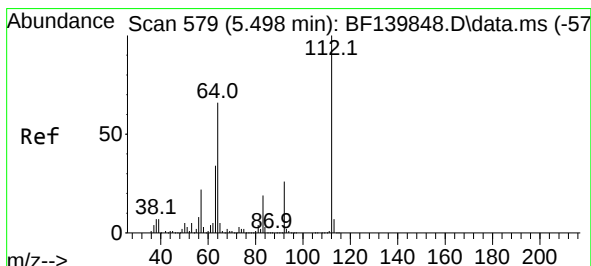
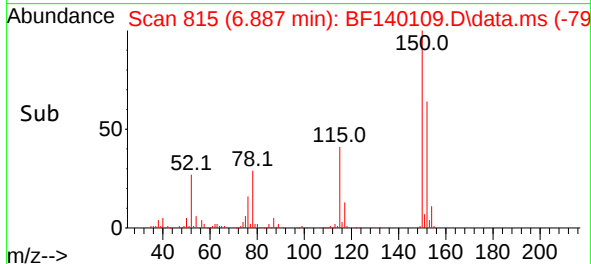
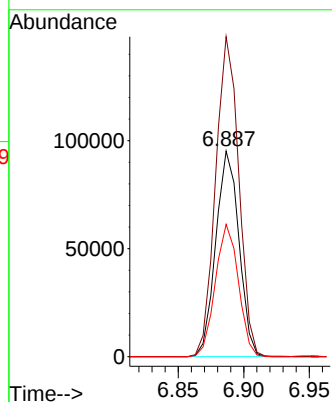
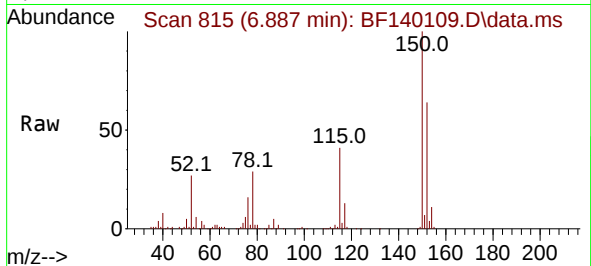




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.887 min Scan# 816
 Delta R.T. -0.005 min
 Lab File: BF140109.D
 Acq: 29 Oct 2024 13:50

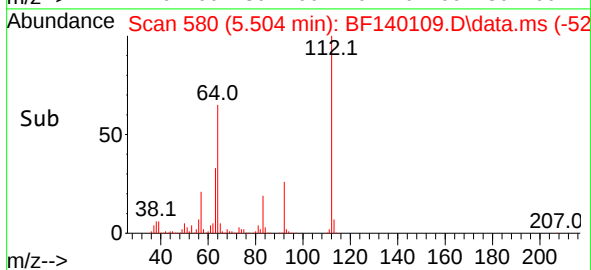
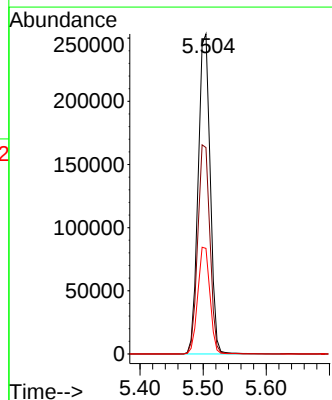
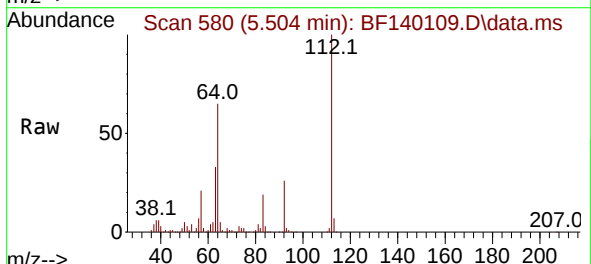
Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-3

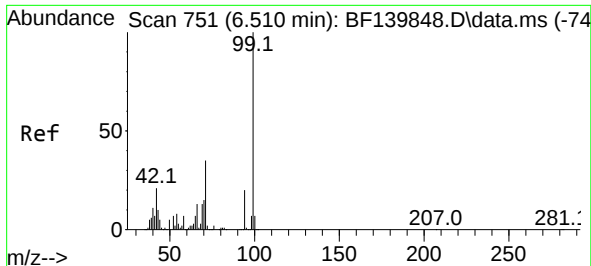
Tgt Ion:152 Resp: 116741
 Ion Ratio Lower Upper
 152 100
 150 155.6 130.2 195.2
 115 64.4 51.4 77.2



#5
 2-Fluorophenol
 Concen: 44.851 ng
 RT: 5.504 min Scan# 580
 Delta R.T. 0.006 min
 Lab File: BF140109.D
 Acq: 29 Oct 2024 13:50

Tgt Ion:112 Resp: 334462
 Ion Ratio Lower Upper
 112 100
 64 64.5 53.0 79.6
 63 33.0 27.0 40.4

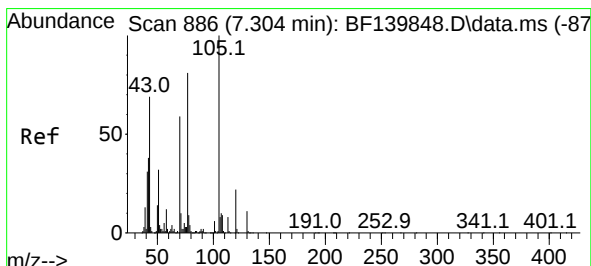
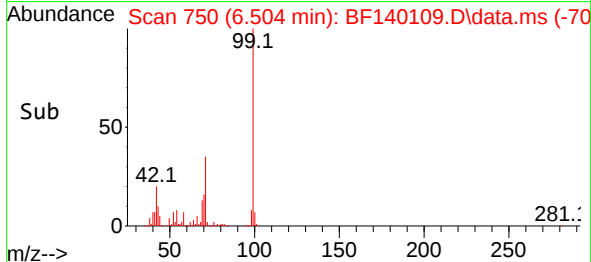
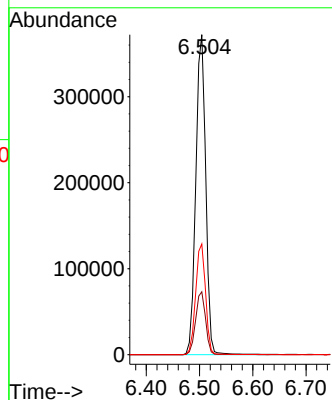
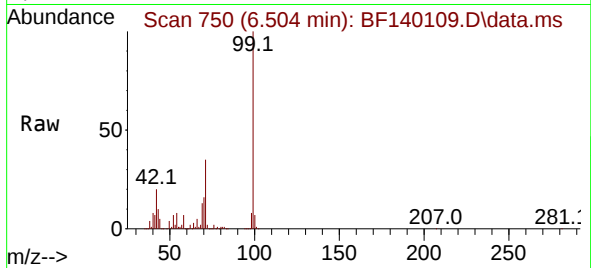




#7
Phenol-d6
Concen: 49.979 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140109.D
Acq: 29 Oct 2024 13:50

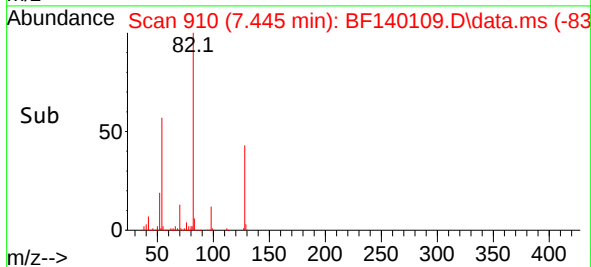
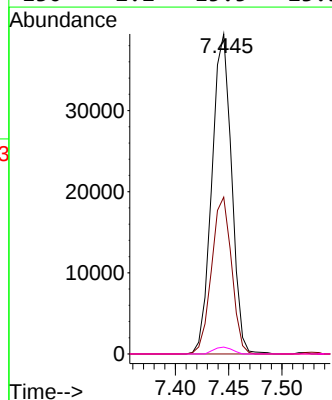
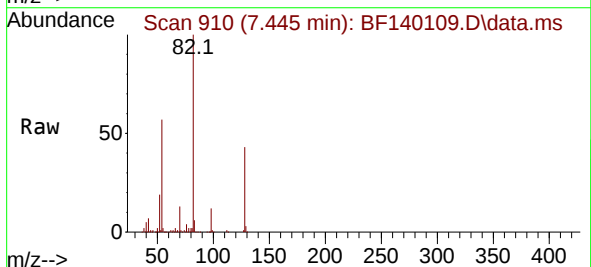
Instrument :
BNA_F
ClientSampleId :
CONCRETE-3

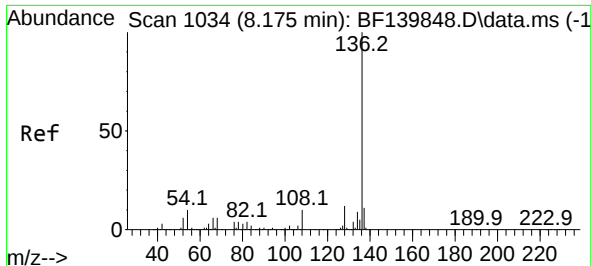
Tgt Ion: 99 Resp: 482713
Ion Ratio Lower Upper
99 100
42 19.6 16.7 25.1
71 34.6 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 8.645 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140109.D
Acq: 29 Oct 2024 13:50

Tgt Ion: 70 Resp: 50640
Ion Ratio Lower Upper
70 100
42 49.0 51.5 77.3#
101 0.0 7.5 11.3#
130 2.2 15.5 23.3#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF140109.D
Acq: 29 Oct 2024 13:50

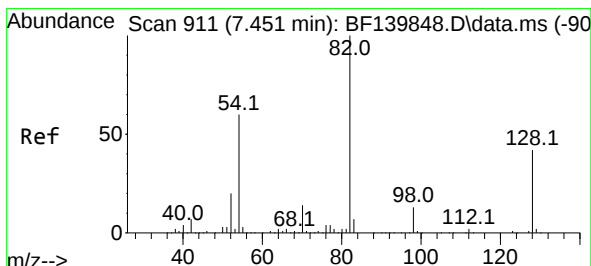
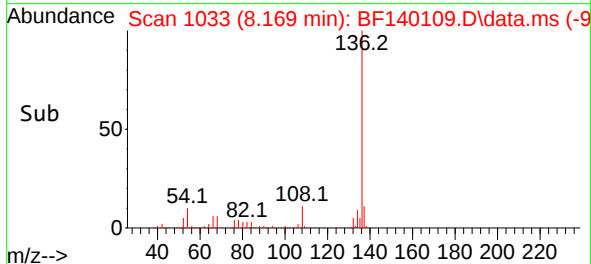
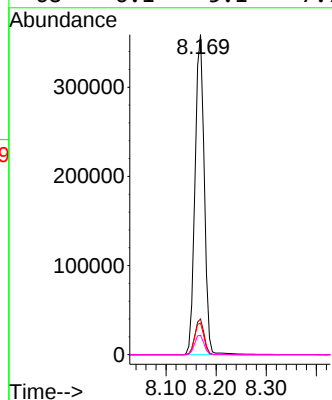
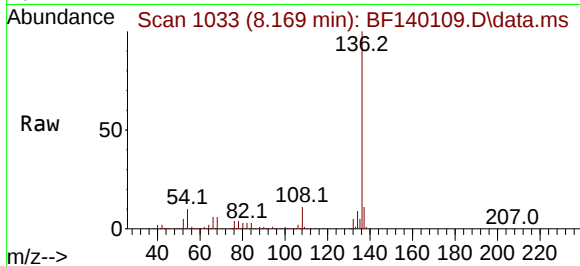
Instrument :

BNA_F

ClientSampleId :

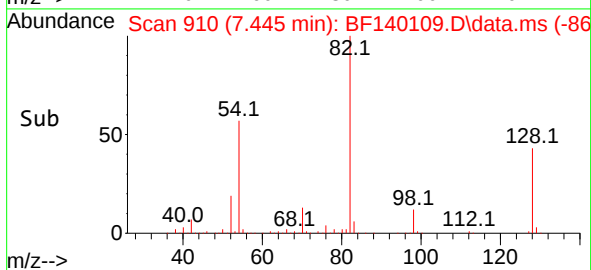
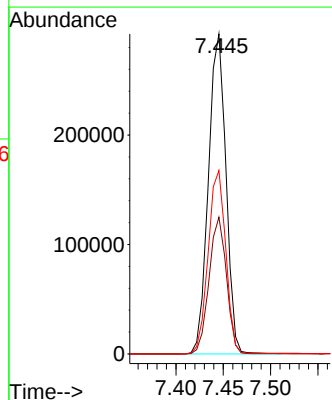
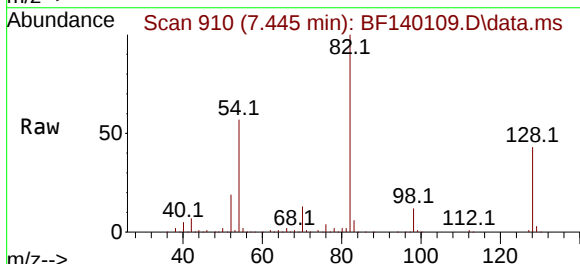
CONCRETE-3

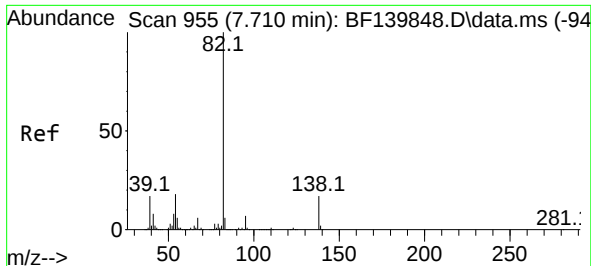
Tgt Ion:136 Resp: 458109
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 9.9 8.4 12.6
68 6.1 5.1 7.7



#23
Nitrobenzene-d5
Concen: 45.502 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140109.D
Acq: 29 Oct 2024 13:50

Tgt Ion: 82 Resp: 376103
Ion Ratio Lower Upper
82 100
128 42.8 33.4 50.0
54 57.4 47.8 71.8

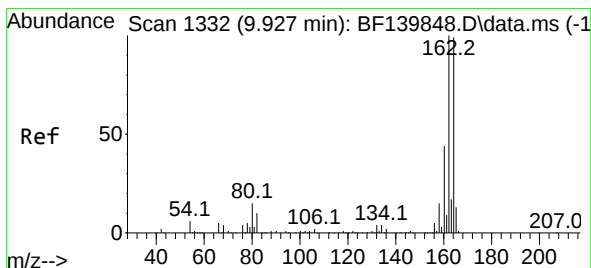
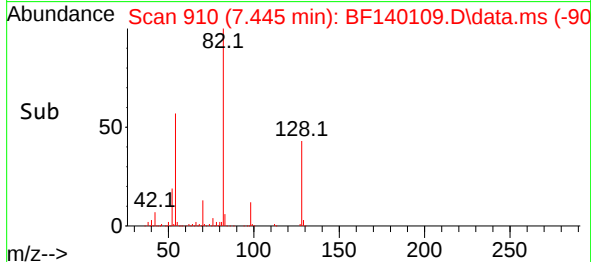
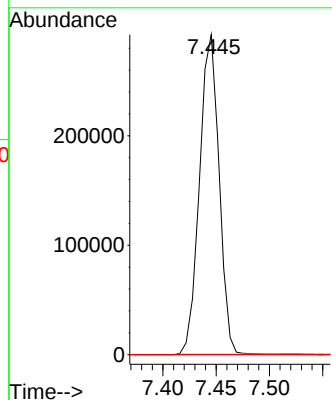
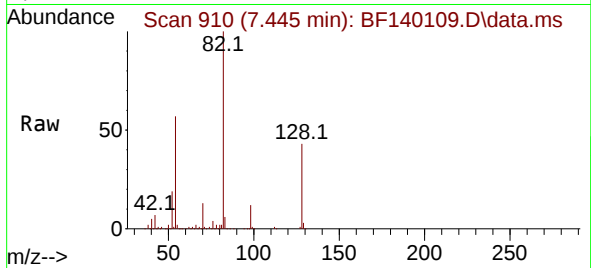




#25
Isophorone
Concen: 23.748 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF140109.D
Acq: 29 Oct 2024 13:50

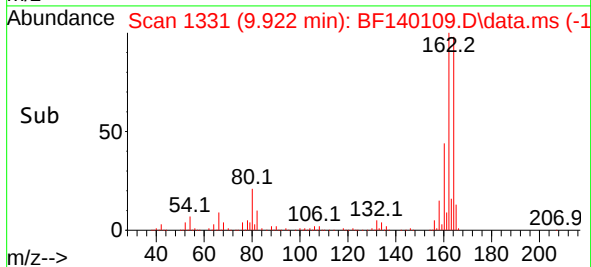
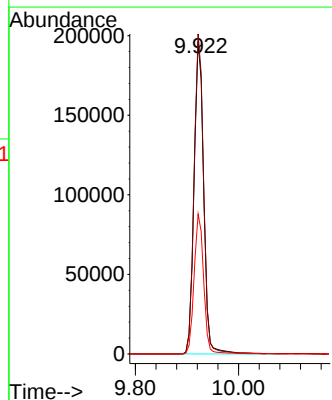
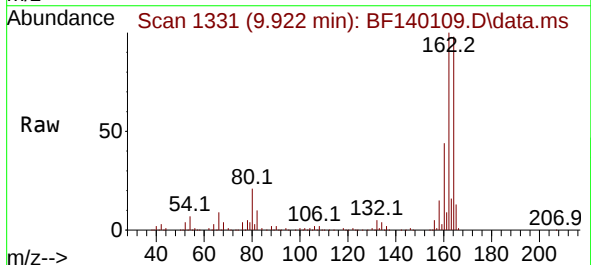
Instrument :
BNA_F
ClientSampleId :
CONCRETE-3

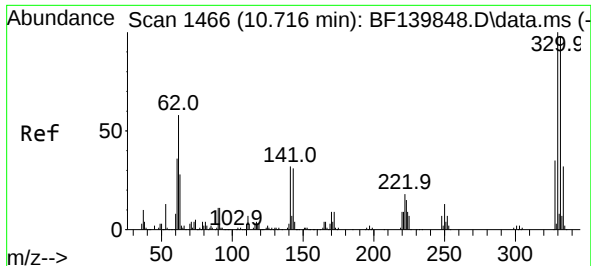
Tgt Ion: 82 Resp: 372567
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140109.D
Acq: 29 Oct 2024 13:50

Tgt Ion: 164 Resp: 254406
Ion Ratio Lower Upper
164 100
162 102.3 81.0 121.4
160 44.8 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 48.186 ng

RT: 10.710 min Scan# 1465

Delta R.T. -0.006 min

Lab File: BF140109.D

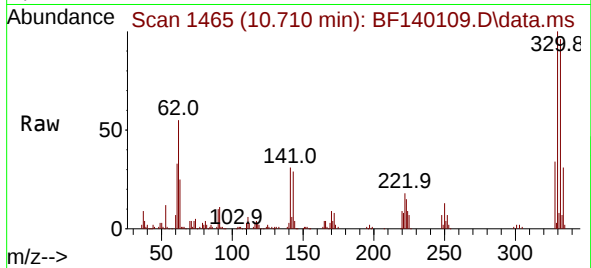
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Instrument :

BNA_F

ClientSampleId :

CONCRETE-3



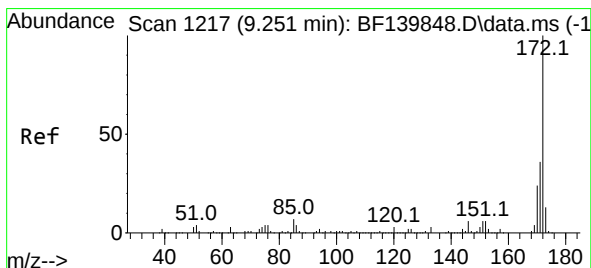
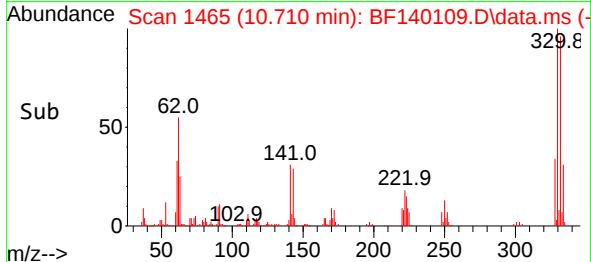
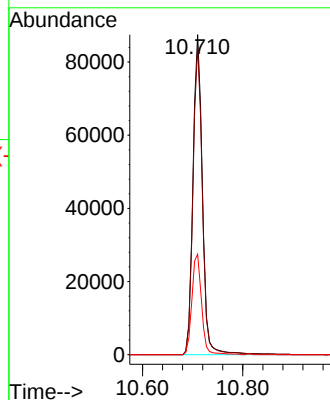
Tgt Ion:330 Resp: 114665

Ion Ratio Lower Upper

330 100

332 95.9 78.1 117.1

141 32.1 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 47.548 ng

RT: 9.239 min Scan# 1215

Delta R.T. -0.012 min

Lab File: BF140109.D

Acq: 29 Oct 2024 13:50

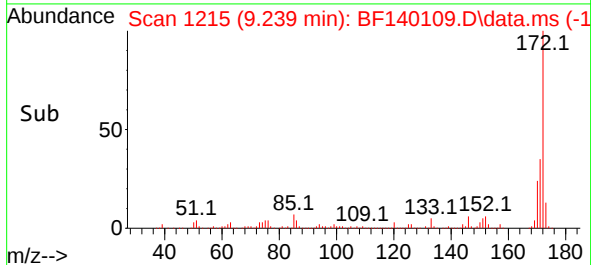
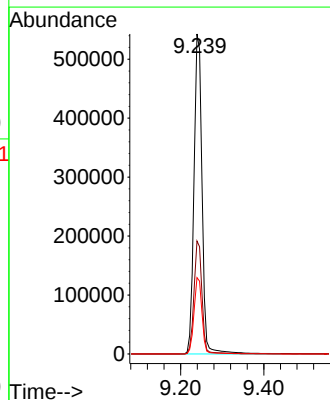
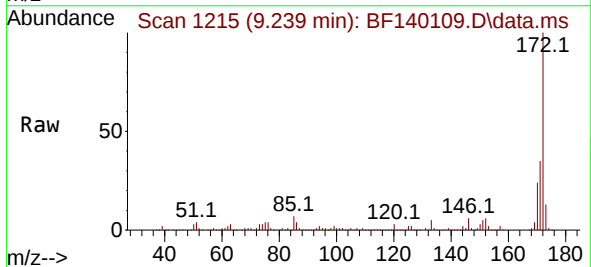
Tgt Ion:172 Resp: 731928

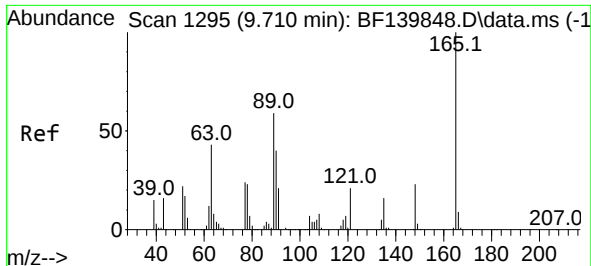
Ion Ratio Lower Upper

172 100

171 35.3 28.6 43.0

170 23.9 19.1 28.7

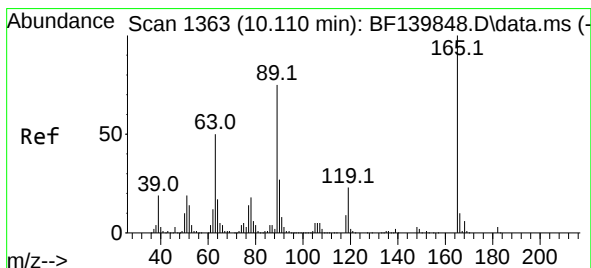
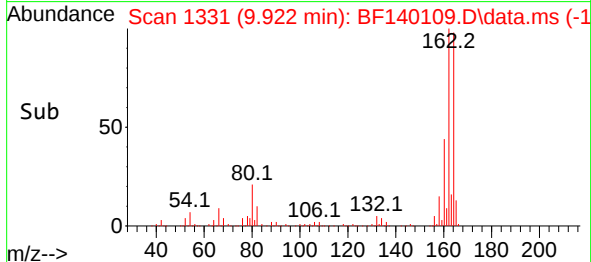
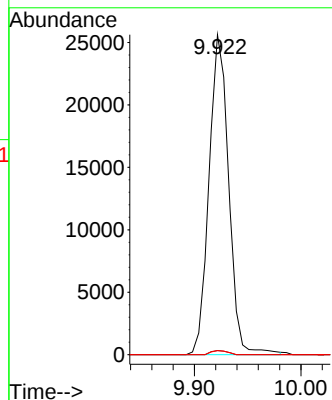
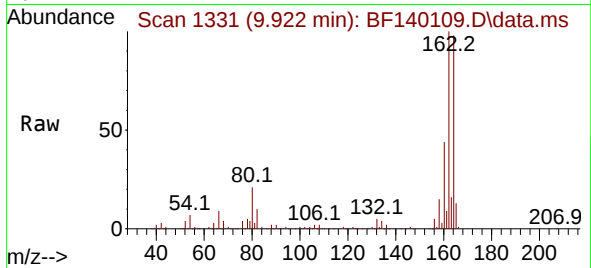




#51
2,6-Dinitrotoluene
Concen: 9.579 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140109.D
Acq: 29 Oct 2024 13:50

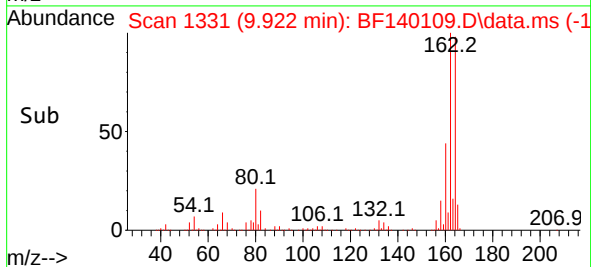
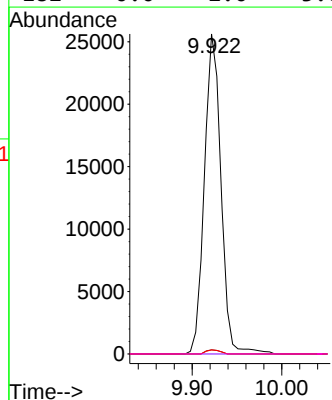
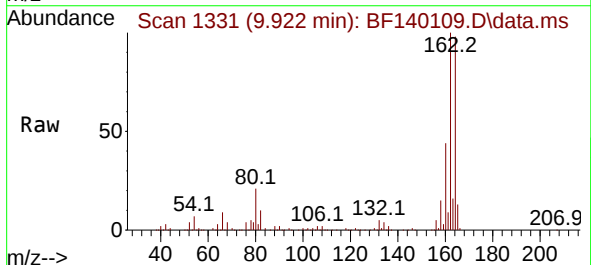
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CONCRETE-3

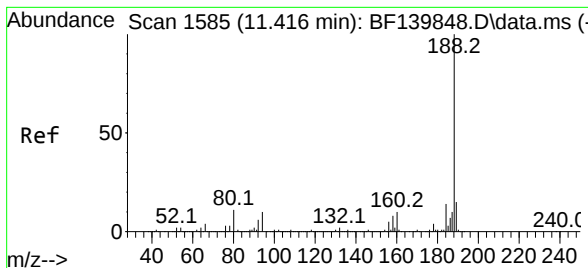
Tgt Ion:165 Resp: 32866
Ion Ratio Lower Upper
165 100
63 1.3 50.6 75.8#
89 1.2 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.804 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140109.D
Acq: 29 Oct 2024 13:50

Tgt Ion:165 Resp: 32927
Ion Ratio Lower Upper
165 100
63 1.3 40.1 60.1#
89 1.2 60.4 90.6#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140109.D

Acq: 29 Oct 2024 13:50

Instrument :

BNA_F

ClientSampleId :

CONCRETE-3

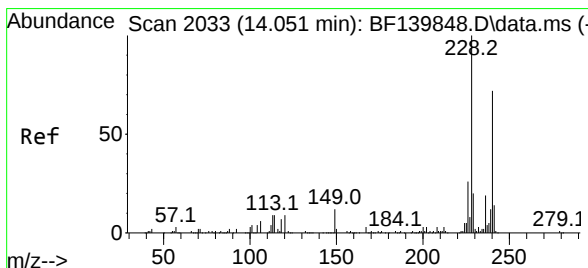
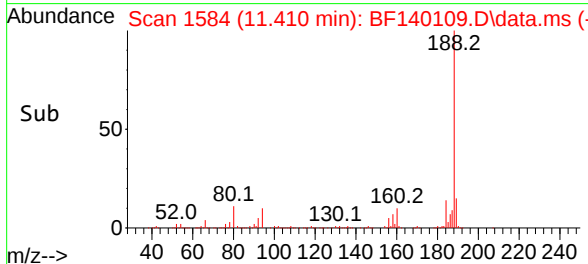
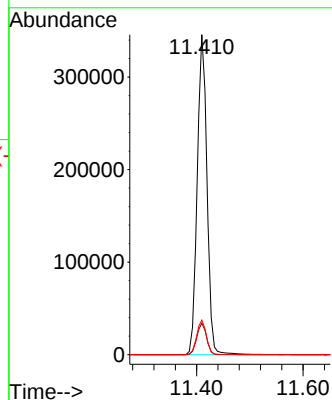
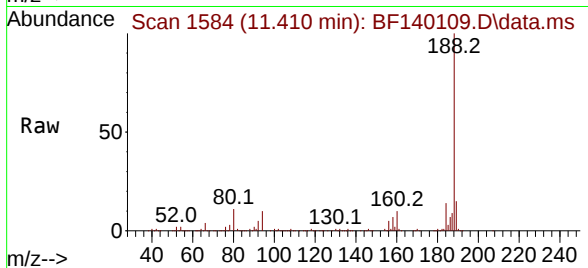
Tgt Ion:188 Resp: 440468

Ion Ratio Lower Upper

188 100

94 9.8 7.9 11.9

80 10.8 9.0 13.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF140109.D

Acq: 29 Oct 2024 13:50

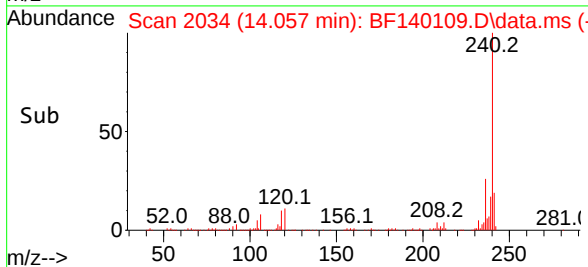
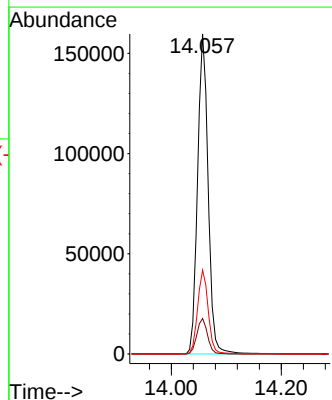
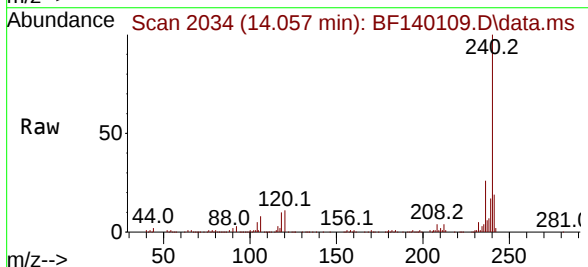
Tgt Ion:240 Resp: 213228

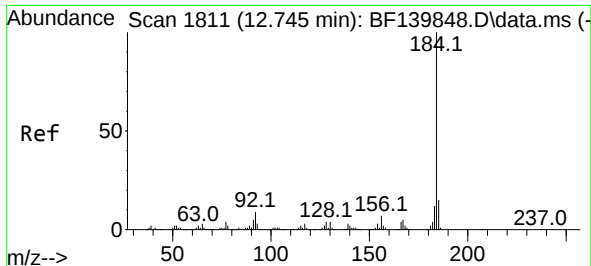
Ion Ratio Lower Upper

240 100

120 11.1 9.4 14.2

236 26.2 20.9 31.3

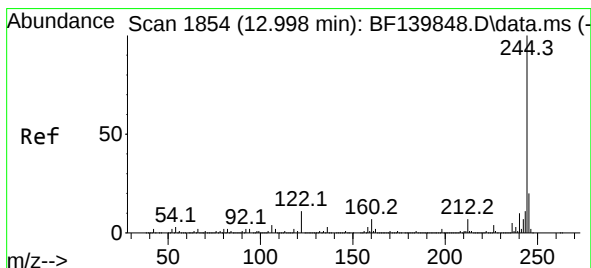
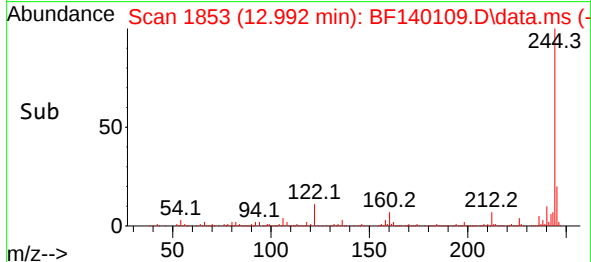
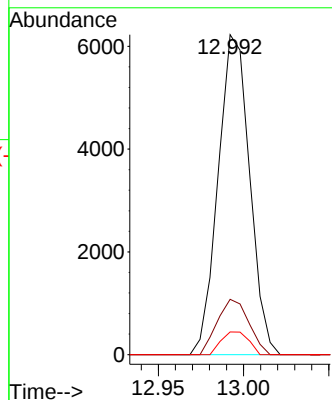
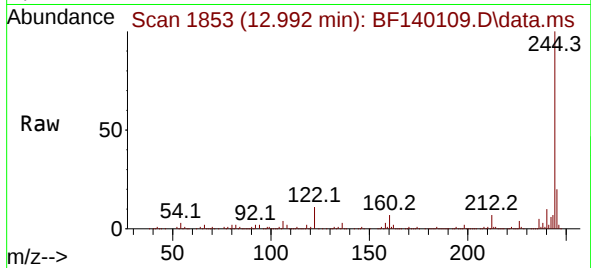




#77
Benzidine
Concen: 2.287 ng
RT: 12.992 min Scan# 1853
Delta R.T. 0.247 min
Lab File: BF140109.D
Acq: 29 Oct 2024 13:50

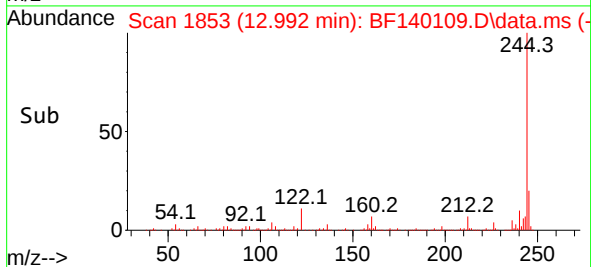
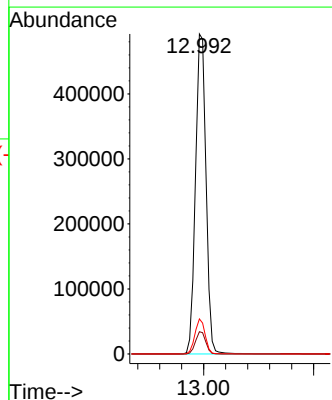
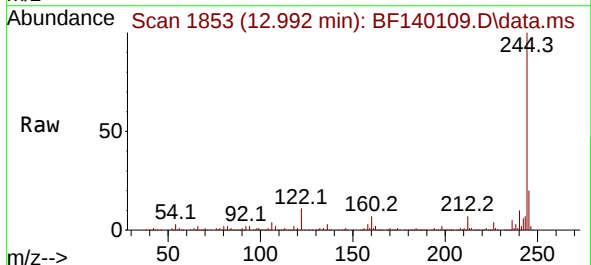
Instrument :
BNA_F
ClientSampleId :
CONCRETE-3

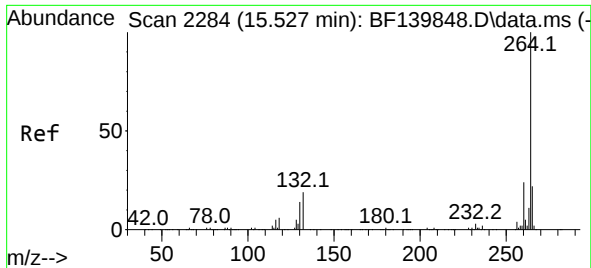
Tgt Ion:184 Resp: 8019
Ion Ratio Lower Upper
184 100
185 17.3 12.0 18.0
183 7.1 9.4 14.2#



#79
Terphenyl-d14
Concen: 49.878 ng
RT: 12.992 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF140109.D
Acq: 29 Oct 2024 13:50

Tgt Ion:244 Resp: 652680
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 11.0 8.6 13.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.562 min Scan# 21
 Delta R.T. 0.035 min
 Lab File: BF140109.D
 Acq: 29 Oct 2024 13:50

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-3

Tgt Ion:264 Resp: 264291
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.4 29.2
 265 21.5 17.4 26.0

