

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102924\
 Data File : BF140108.D
 Acq On : 29 Oct 2024 13:24
 Operator : RC/JU
 Sample : P4574-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-2

Quant Time: Oct 29 13:55:33 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)

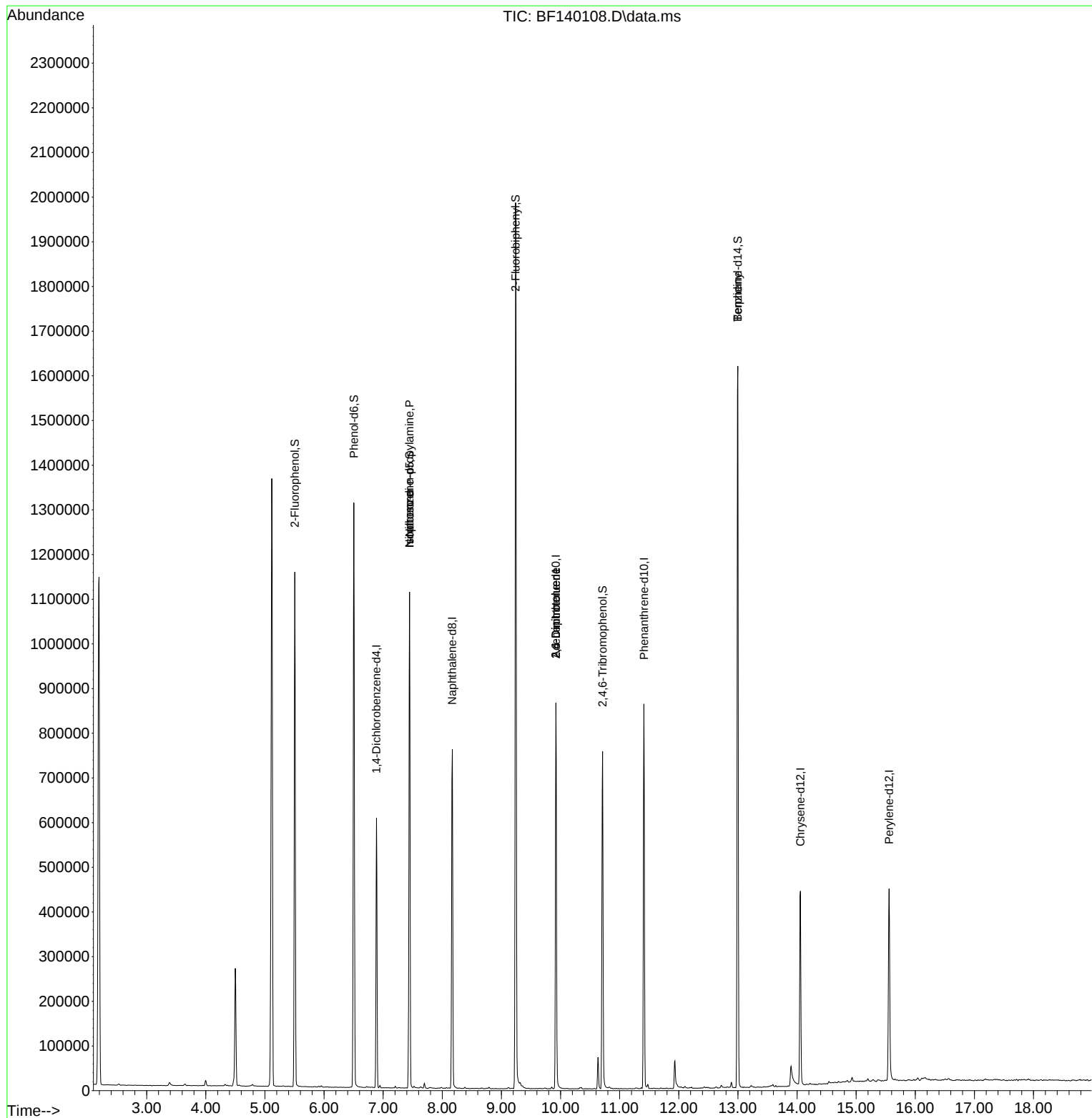
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	119001	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	466279	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	261725	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	448014	20.000	ng	0.00
76) Chrysene-d12	14.057	240	218815	20.000	ng	0.00
86) Perylene-d12	15.557	264	264301	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	398873	52.473	ng	0.00
7) Phenol-d6	6.504	99	584347	59.353	ng	0.00
23) Nitrobenzene-d5	7.445	82	486575	57.836	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	128617	52.538	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	917185	57.917	ng	-0.01
79) Terphenyl-d14	12.998	244	819821	61.051	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	65842	11.027	ng	# 76
25) Isophorone	7.445	82	482747	30.232	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	33059	9.366	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	33054	7.615	ng	# 21
77) Benzidine	12.998	184	10109	2.810	ng	# 91

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

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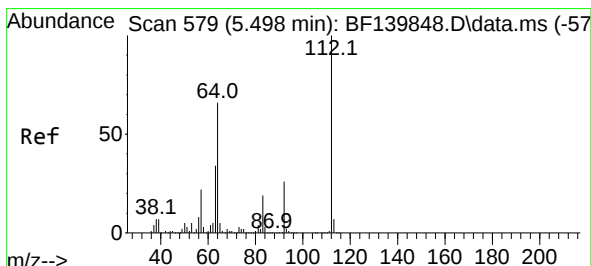
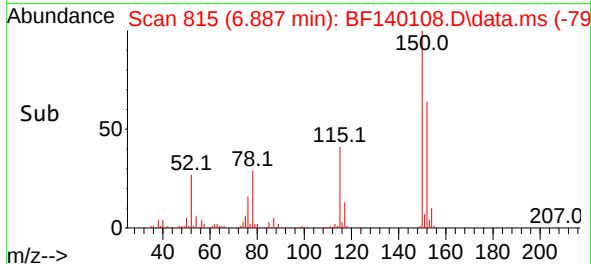
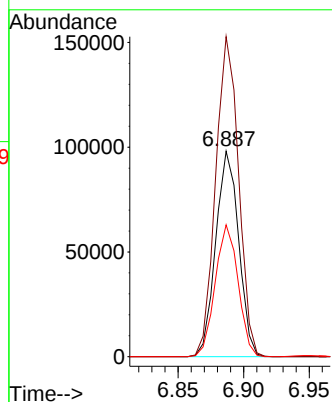
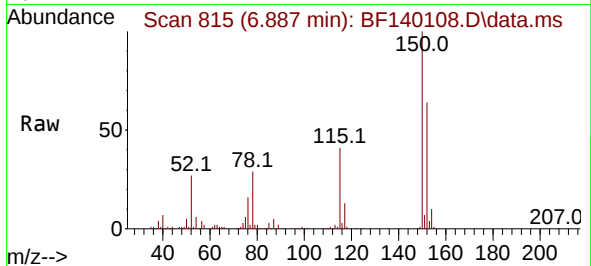




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140108.D
Acq: 29 Oct 2024 13:24

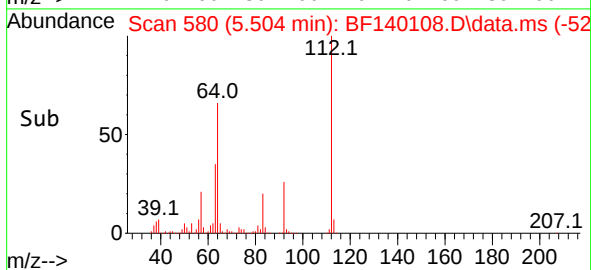
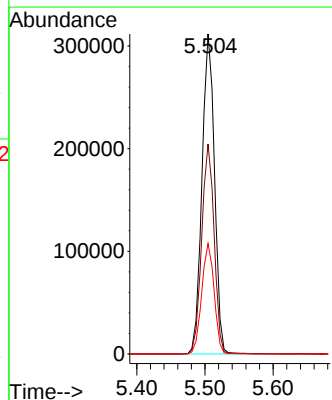
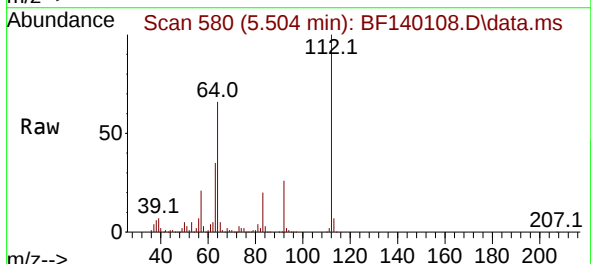
Instrument :
BNA_F
ClientSampleId :
CONCRETE-2

Tgt Ion:152 Resp: 119001
Ion Ratio Lower Upper
152 100
150 155.8 130.2 195.2
115 64.2 51.4 77.2



#5
2-Fluorophenol
Concen: 52.473 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140108.D
Acq: 29 Oct 2024 13:24

Tgt Ion:112 Resp: 398873
Ion Ratio Lower Upper
112 100
64 65.6 53.0 79.6
63 34.5 27.0 40.4

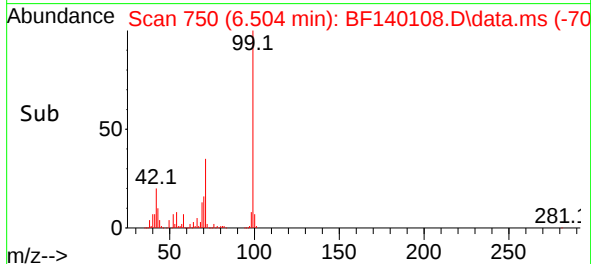
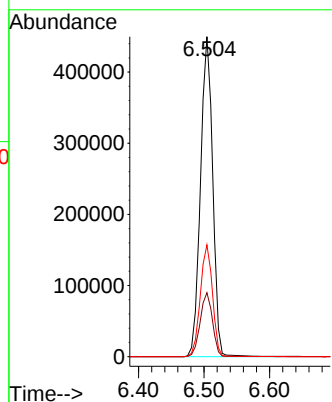
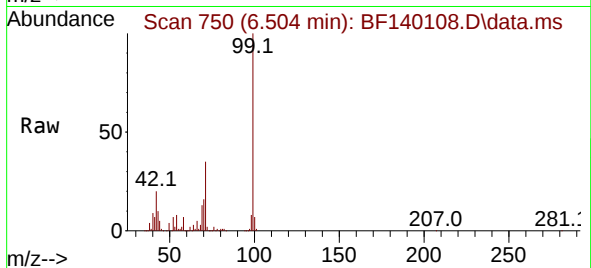




#7
Phenol-d6
Concen: 59.353 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140108.D
Acq: 29 Oct 2024 13:24

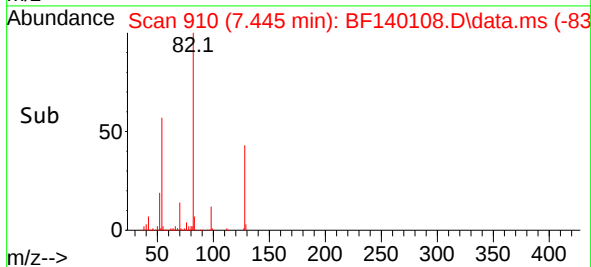
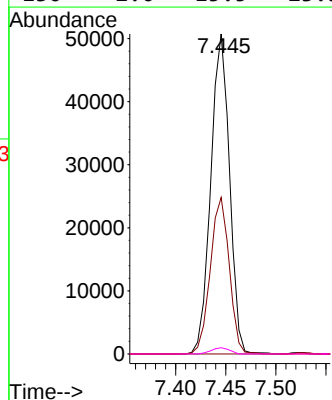
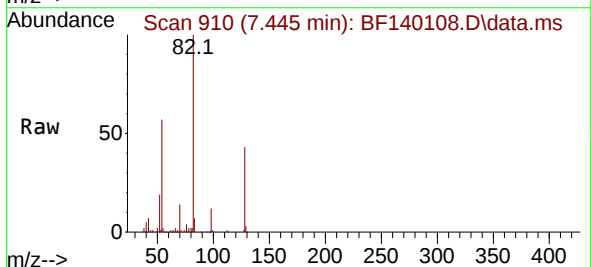
Instrument :
BNA_F
ClientSampleId :
CONCRETE-2

Tgt Ion: 99 Resp: 584347
Ion Ratio Lower Upper
99 100
42 20.0 16.7 25.1
71 34.9 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.027 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140108.D
Acq: 29 Oct 2024 13:24

Tgt Ion: 70 Resp: 65842
Ion Ratio Lower Upper
70 100
42 48.9 51.5 77.3#
101 0.0 7.5 11.3#
130 2.0 15.5 23.3#





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF140108.D
Acq: 29 Oct 2024 13:24

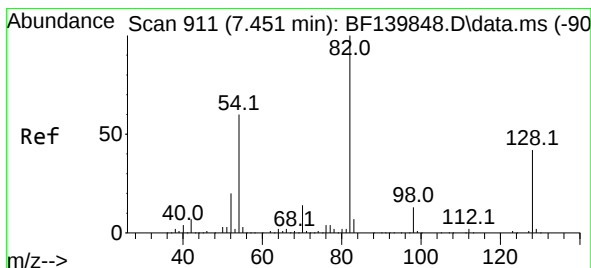
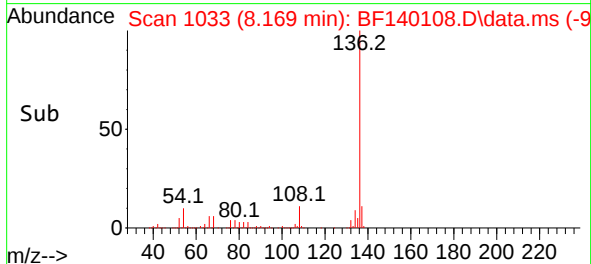
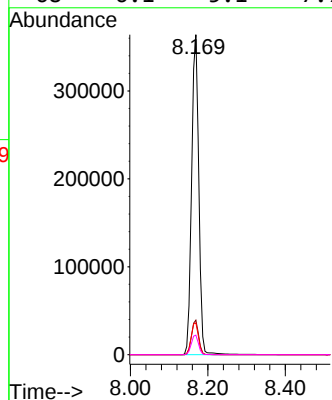
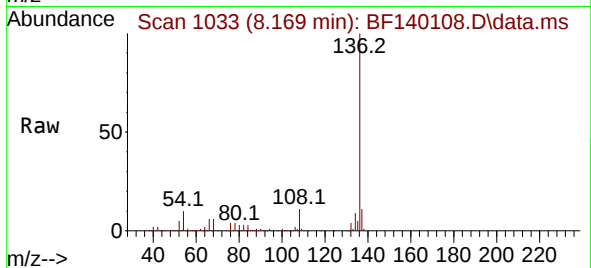
Instrument :

BNA_F

ClientSampleId :

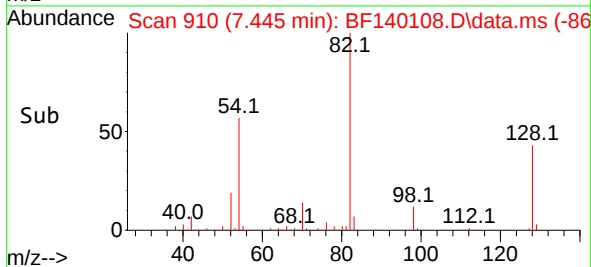
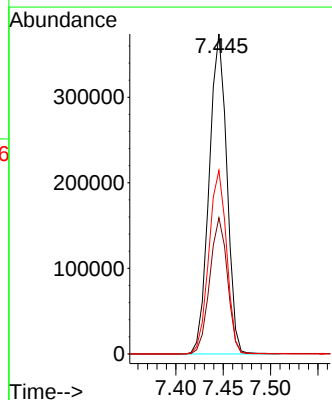
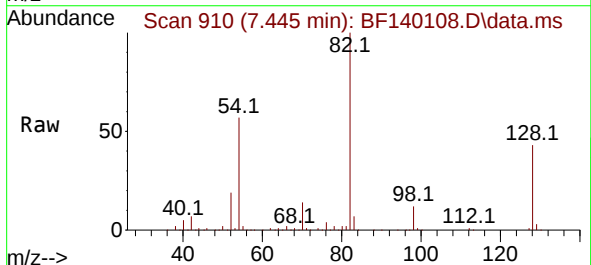
CONCRETE-2

Tgt Ion:136 Resp: 466279
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.9 8.4 12.6
68 6.1 5.1 7.7



#23
Nitrobenzene-d5
Concen: 57.836 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140108.D
Acq: 29 Oct 2024 13:24

Tgt Ion: 82 Resp: 486575
Ion Ratio Lower Upper
82 100
128 42.5 33.4 50.0
54 57.4 47.8 71.8

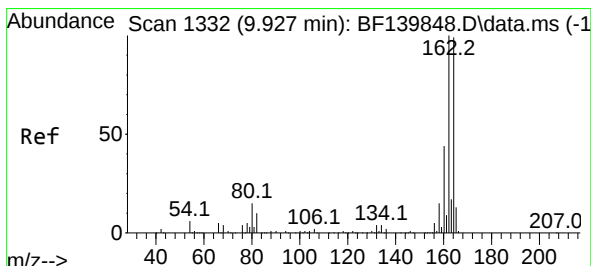
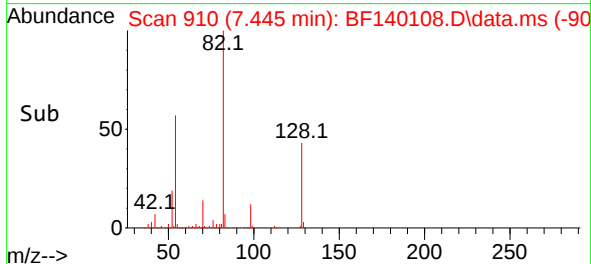
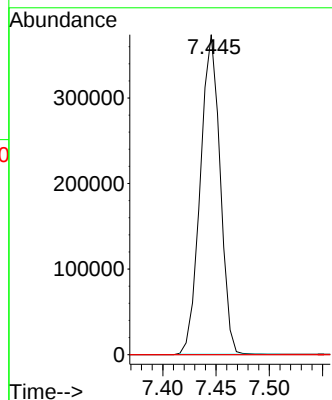
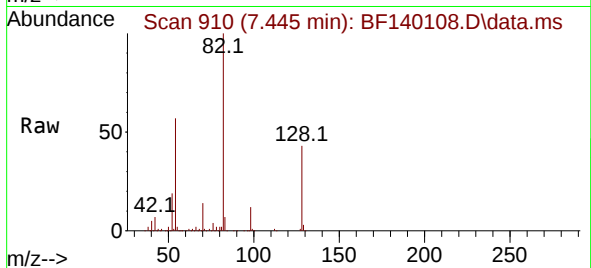




#25
Isophorone
Concen: 30.232 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF140108.D
Acq: 29 Oct 2024 13:24

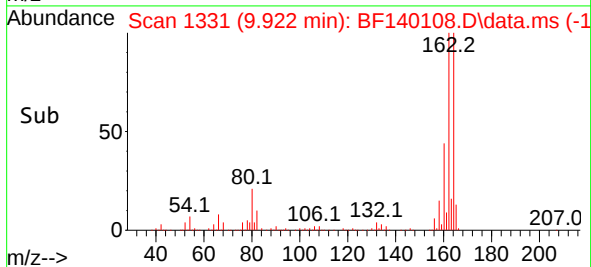
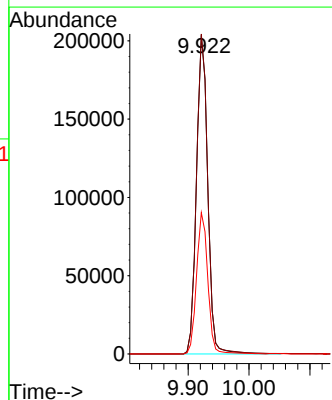
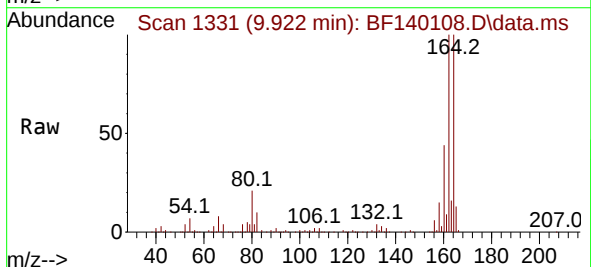
Instrument :
BNA_F
ClientSampleId :
CONCRETE-2

Tgt Ion: 82 Resp: 482747
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: BF140108.D
Acq: 29 Oct 2024 13:24

Tgt Ion: 164 Resp: 261725
Ion Ratio Lower Upper
164 100
162 100.4 81.0 121.4
160 44.4 35.4 53.0

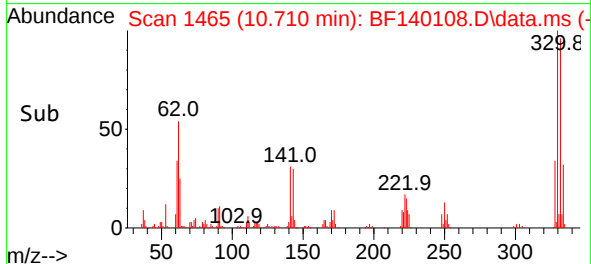
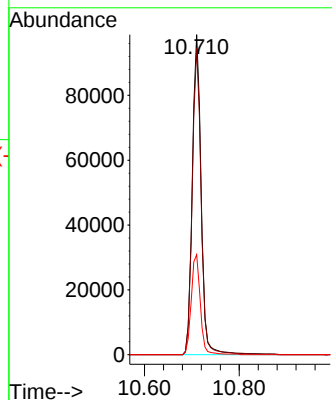
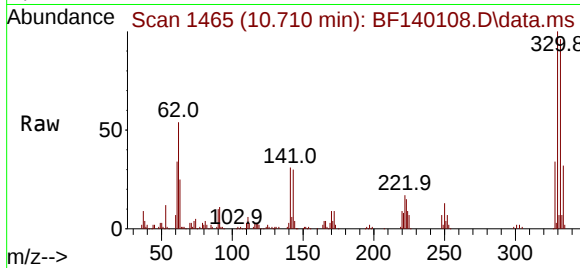




#42
2,4,6-Tribromophenol
Concen: 52.538 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF140108.D
Acq: 29 Oct 2024 13:24

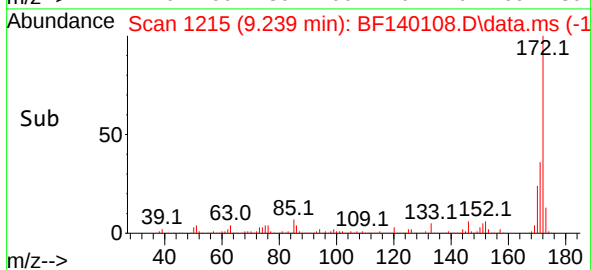
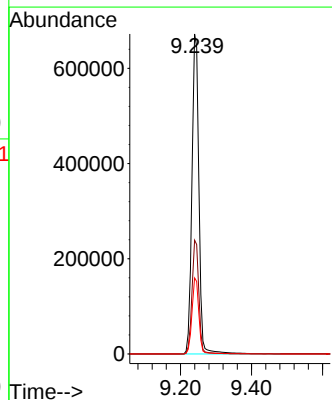
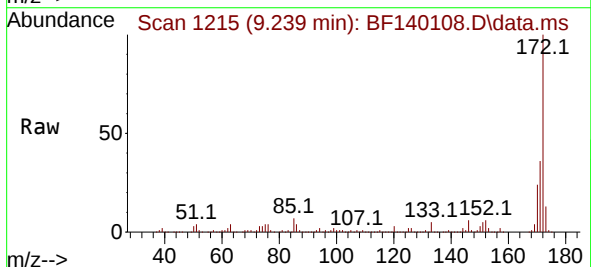
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BNA_F
ClientSampleId :
CONCRETE-2

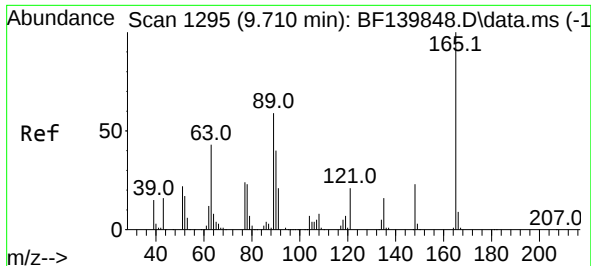
Tgt Ion:330 Resp: 128617
Ion Ratio Lower Upper
330 100
332 95.7 78.1 117.1
141 32.0 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 57.917 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF140108.D
Acq: 29 Oct 2024 13:24

Tgt Ion:172 Resp: 917185
Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 23.7 19.1 28.7

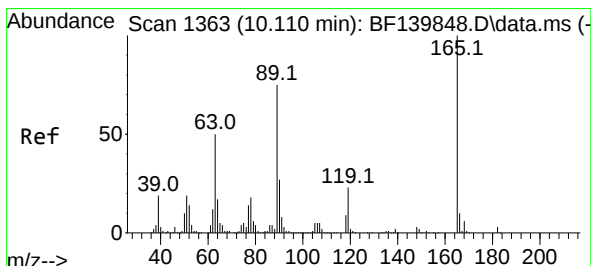
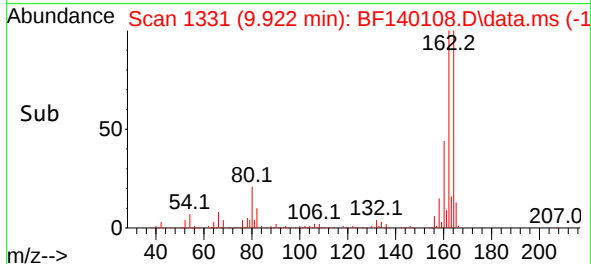
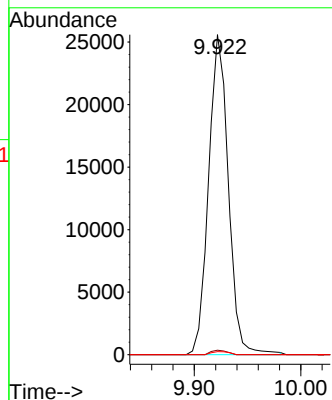
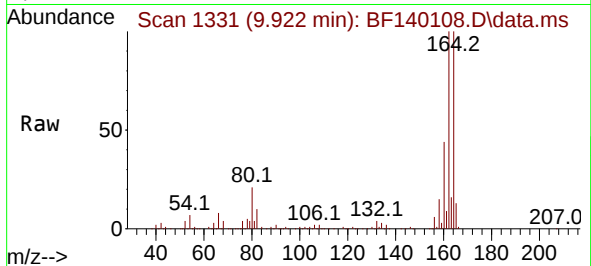




#51
2,6-Dinitrotoluene
Concen: 9.366 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF140108.D
Acq: 29 Oct 2024 13:24

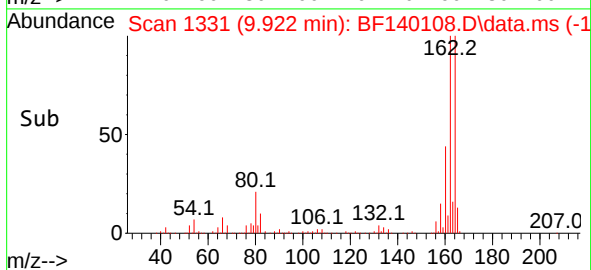
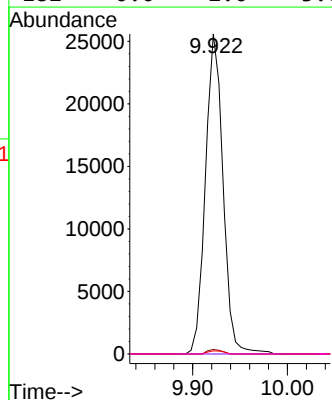
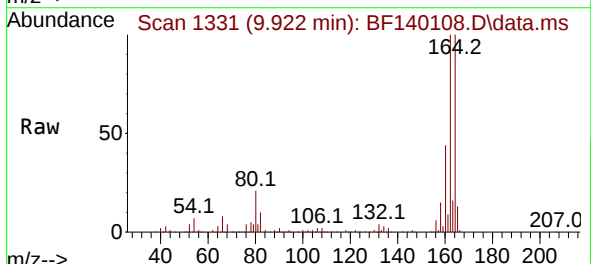
Instrument :
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CONCRETE-2

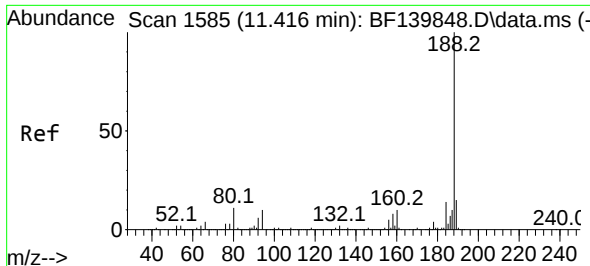
Tgt Ion:165 Resp: 33059
Ion Ratio Lower Upper
165 100
63 1.4 50.6 75.8#
89 1.0 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.615 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF140108.D
Acq: 29 Oct 2024 13:24

Tgt Ion:165 Resp: 33054
Ion Ratio Lower Upper
165 100
63 1.4 40.1 60.1#
89 1.0 60.4 90.6#
182 0.0 2.0 3.0#

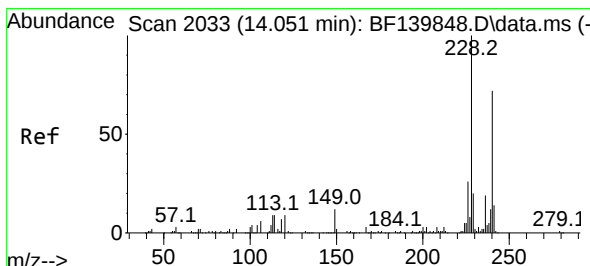
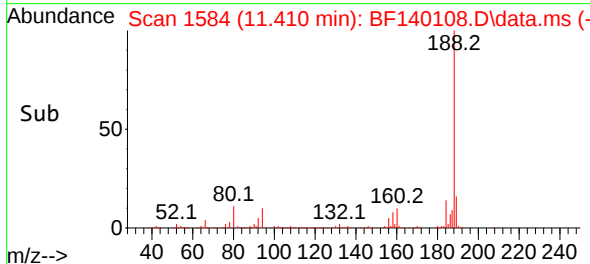
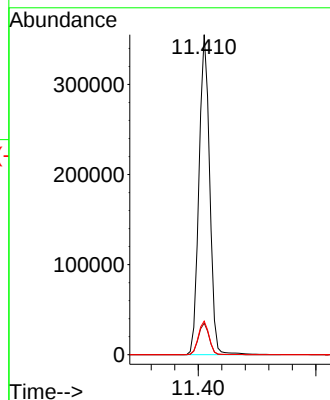
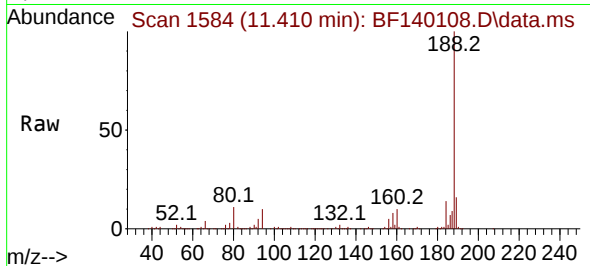




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140108.D
Acq: 29 Oct 2024 13:24

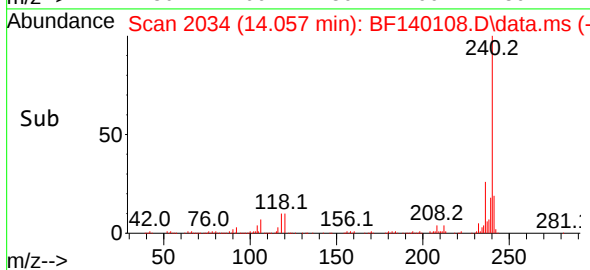
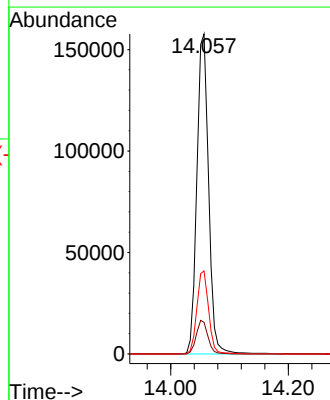
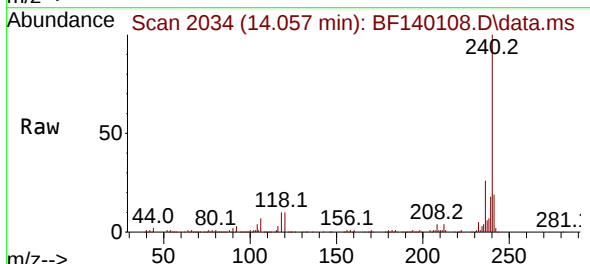
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BNA_F
ClientSampleId :
CONCRETE-2

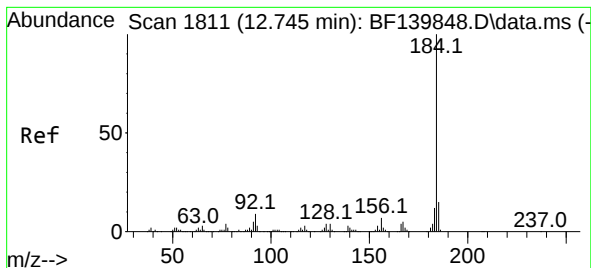
Tgt Ion:188 Resp: 448014
Ion Ratio Lower Upper
188 100
94 9.9 7.9 11.9
80 10.5 9.0 13.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF140108.D
Acq: 29 Oct 2024 13:24

Tgt Ion:240 Resp: 218815
Ion Ratio Lower Upper
240 100
120 9.9 9.4 14.2
236 25.9 20.9 31.3





#77

Benzidine

Concen: 2.810 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.253 min

Lab File: BF140108.D

Acq: 29 Oct 2024 13:24

Instrument :

BNA_F

ClientSampleId :

CONCRETE-2

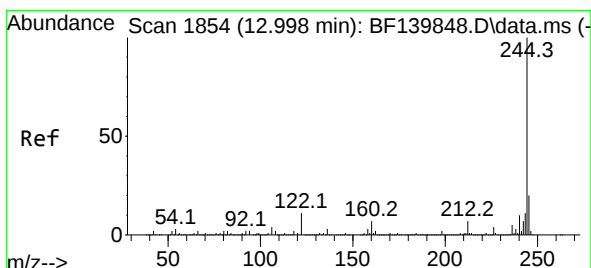
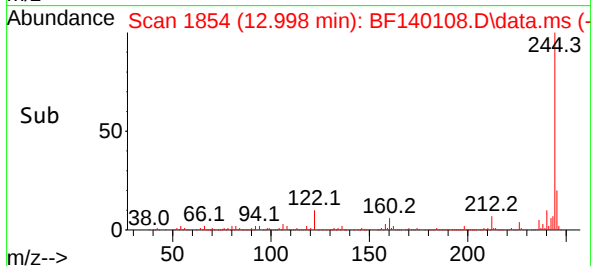
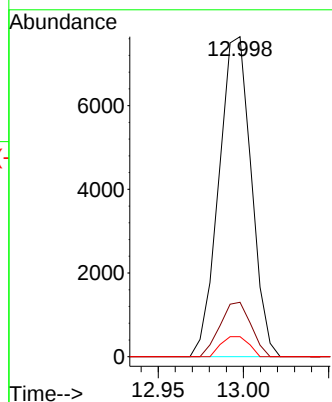
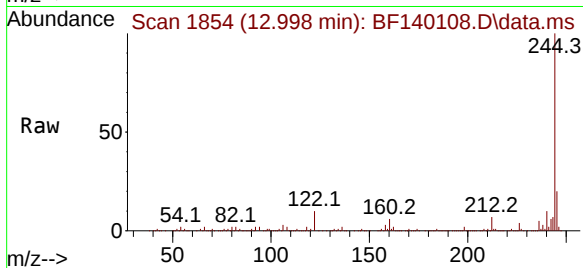
Tgt Ion:184 Resp: 10109

Ion Ratio Lower Upper

184 100

185 17.0 12.0 18.0

183 6.3 9.4 14.2#



#79

Terphenyl-d14

Concen: 61.051 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF140108.D

Acq: 29 Oct 2024 13:24

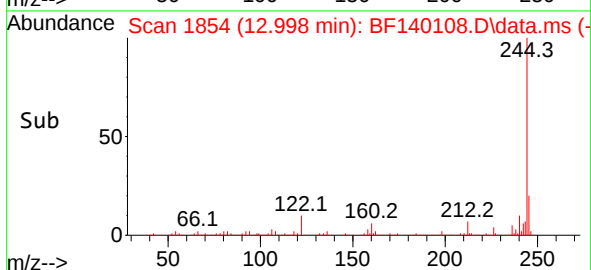
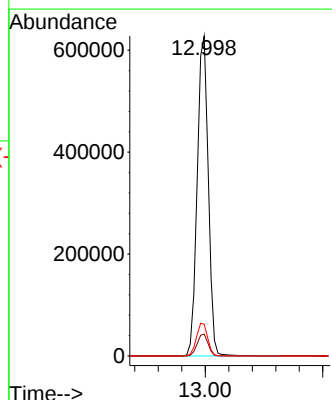
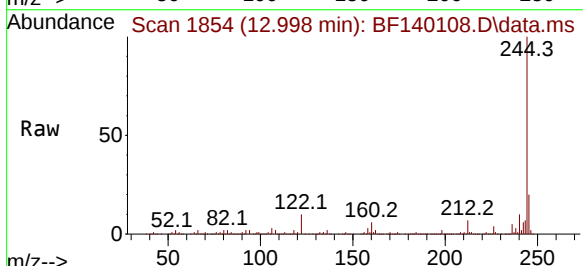
Tgt Ion:244 Resp: 819821

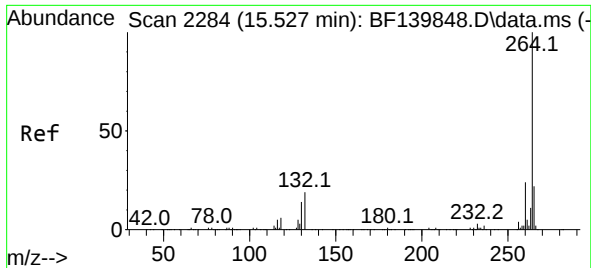
Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 9.9 8.6 13.0





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 21
 Delta R.T. 0.030 min
 Lab File: BF140108.D
 Acq: 29 Oct 2024 13:24

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-2

Tgt Ion:264 Resp: 264301
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.4 29.2
 265 21.5 17.4 26.0

