

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101024\
 Data File : BF139747.D
 Acq On : 10 Oct 2024 15:34
 Operator : RC/JU
 Sample : P4356-01RE
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-1RE

Quant Time: Oct 10 15:59:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 02 04:58:47 2024
 Response via : Initial Calibration

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

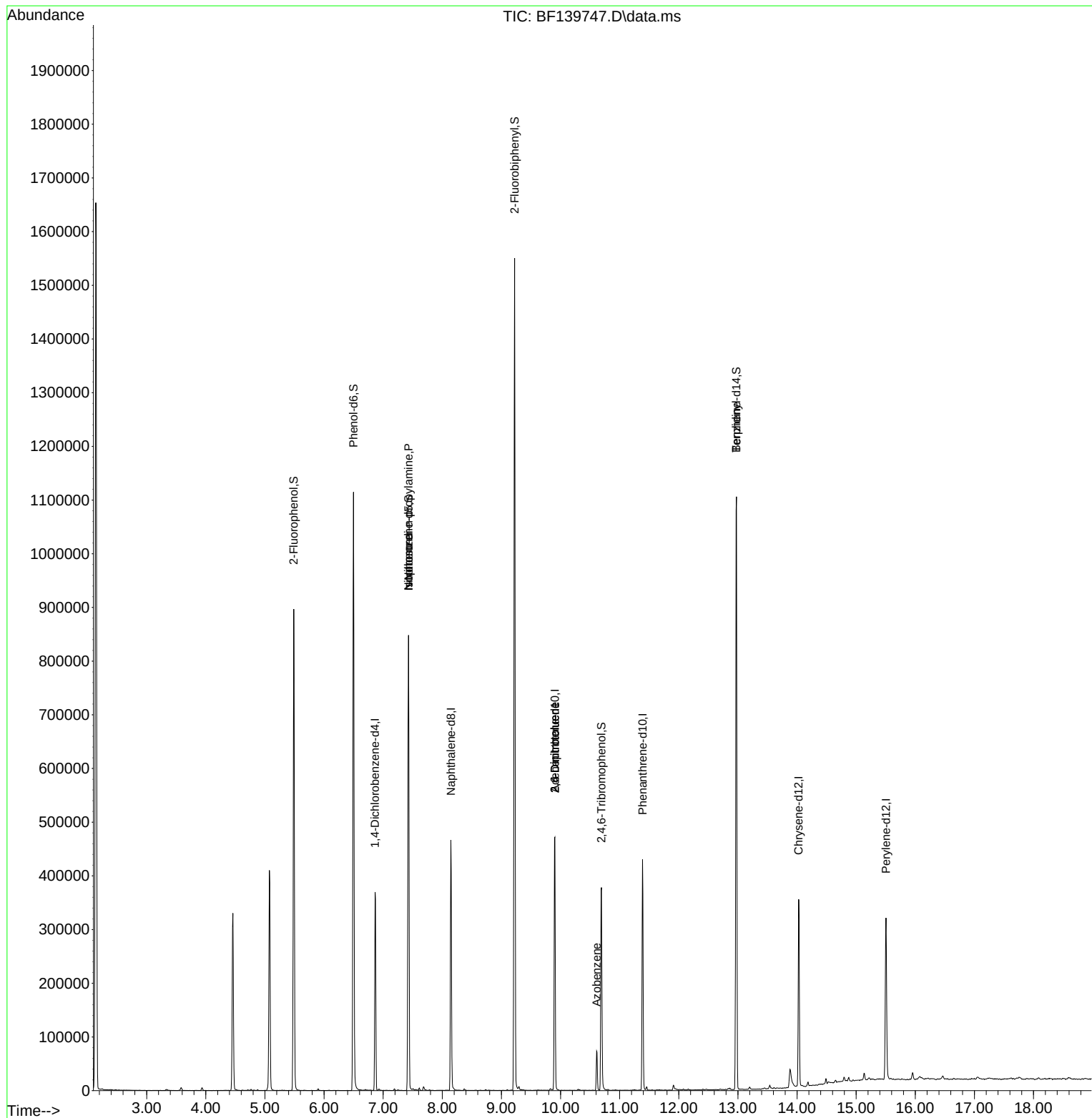
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	75097	20.000	ng	0.00
21) Naphthalene-d8	8.145	136	282971	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	146294	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	230374	20.000	ng	0.00
76) Chrysene-d12	14.027	240	163525	20.000	ng	0.00
86) Perylene-d12	15.504	264	175716	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	304546	70.289	ng	0.00
7) Phenol-d6	6.498	99	492997	84.611	ng	0.00
23) Nitrobenzene-d5	7.428	82	355733	63.649	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	61667	43.666	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	655478	68.785	ng	0.00
79) Terphenyl-d14	12.974	244	551256	55.314	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.428	70	47726	12.741	ng	Qvalue 75
25) Isophorone	7.428	82	352788	35.539	ng	# 66
51) 2,6-Dinitrotoluene	9.904	165	18215	8.420	ng	# 18
57) 2,4-Dinitrotoluene	9.904	165	18215	6.442	ng	# 17
63) Azobenzene	10.610	77	20172	2.028	ng	# 1
77) Benzidine	12.974	184	7218	2.502	ng	# 93

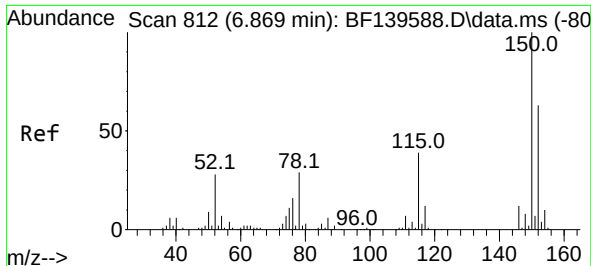
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 02 04:58:47 2024
Response via : Initial Calibration

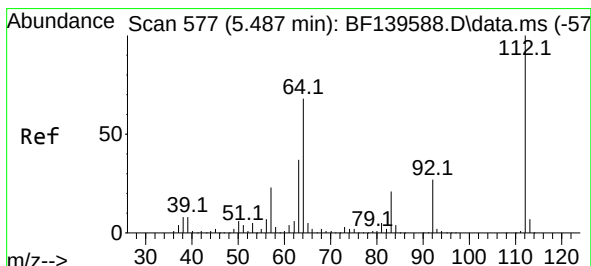
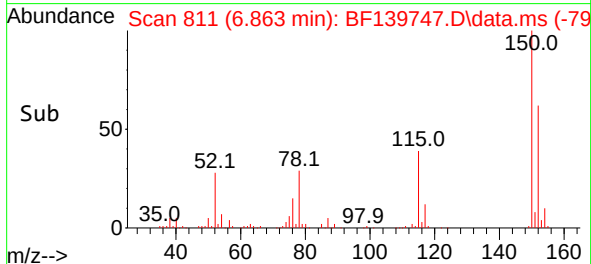
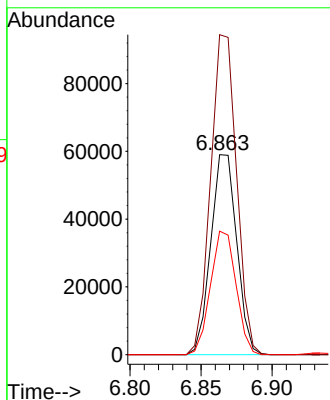
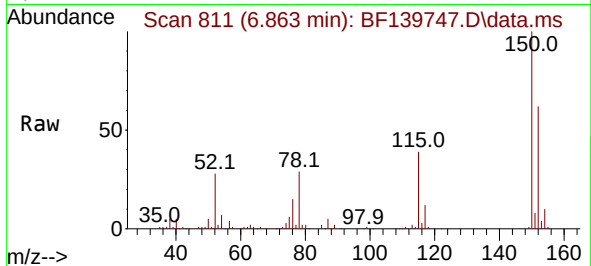




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF139747.D
Acq: 10 Oct 2024 15:34

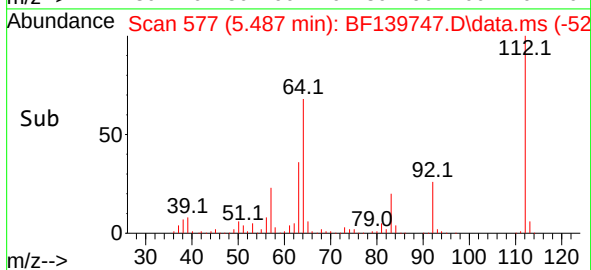
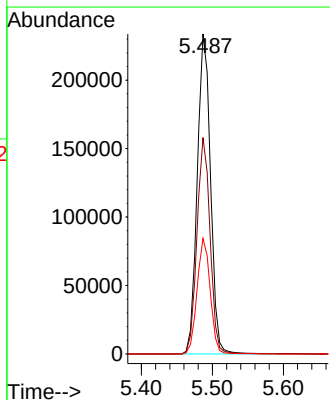
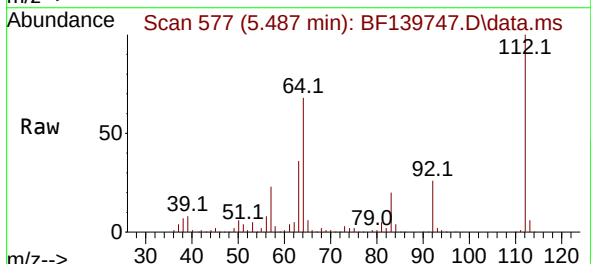
Instrument :
BNA_F
ClientSampleId :
CONCRETE-1RE

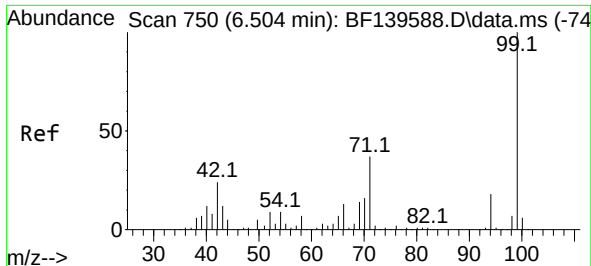
Tgt Ion:152 Resp: 75097
Ion Ratio Lower Upper
152 100
150 160.0 127.2 190.8
115 61.7 49.0 73.4



#5
2-Fluorophenol
Concen: 70.289 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.000 min
Lab File: BF139747.D
Acq: 10 Oct 2024 15:34

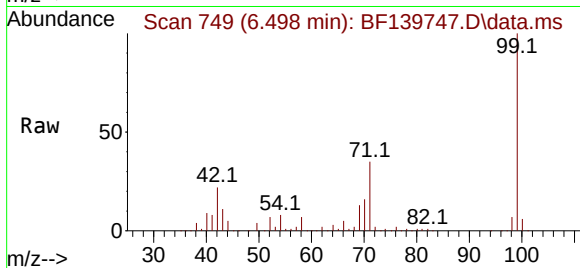
Tgt Ion:112 Resp: 304546
Ion Ratio Lower Upper
112 100
64 67.6 54.2 81.4
63 36.1 29.4 44.2



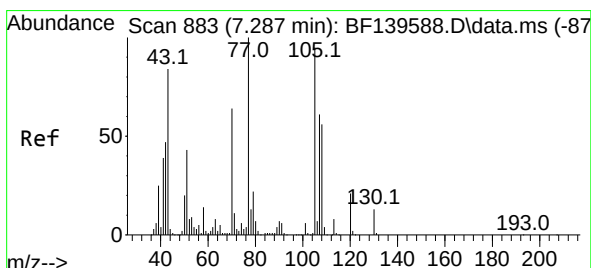
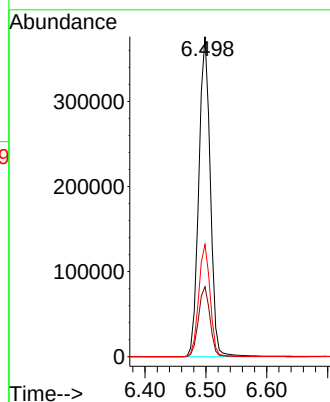
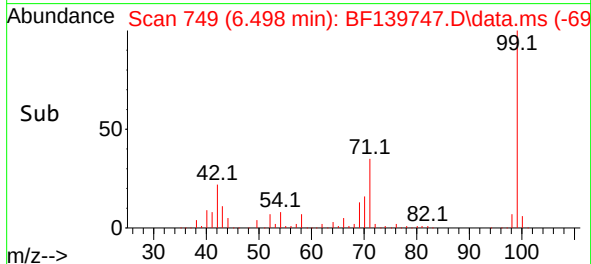


#7
Phenol-d6
Concen: 84.611 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139747.D
Acq: 10 Oct 2024 15:34

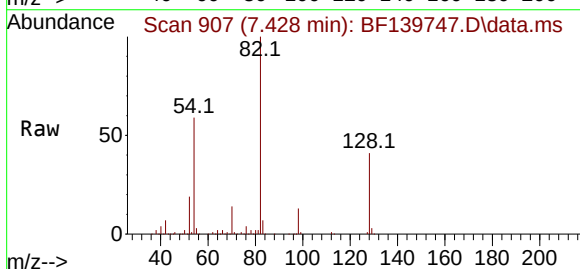
Instrument :
BNA_F
ClientSampleId :
CONCRETE-1RE



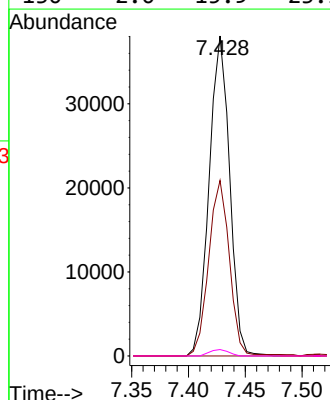
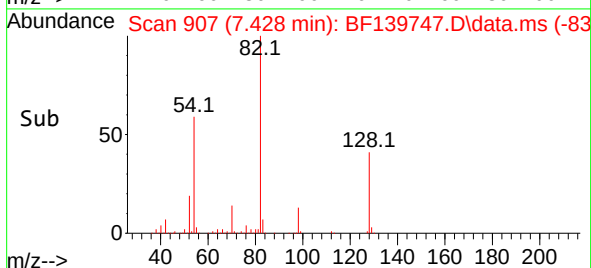
Tgt Ion: 99 Resp: 492997
Ion Ratio Lower Upper
99 100
42 21.9 19.1 28.7
71 35.0 29.7 44.5

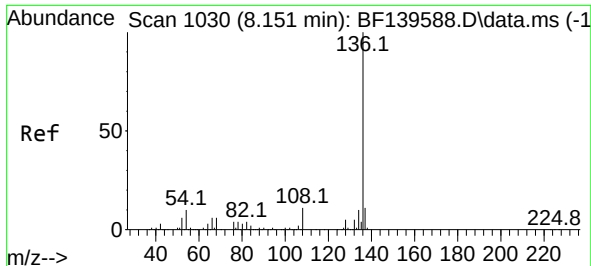


#19
n-Nitroso-di-n-propylamine
Concen: 12.741 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.141 min
Lab File: BF139747.D
Acq: 10 Oct 2024 15:34



Tgt Ion: 70 Resp: 47726
Ion Ratio Lower Upper
70 100
42 54.8 58.0 87.0#
101 0.0 7.8 11.8#
130 2.0 15.9 23.9#

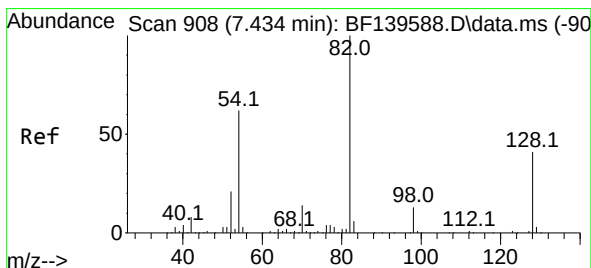
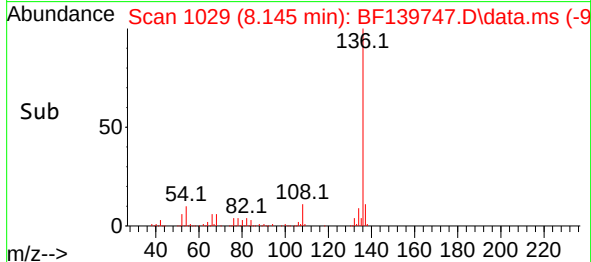
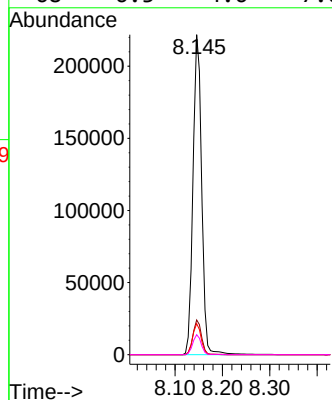
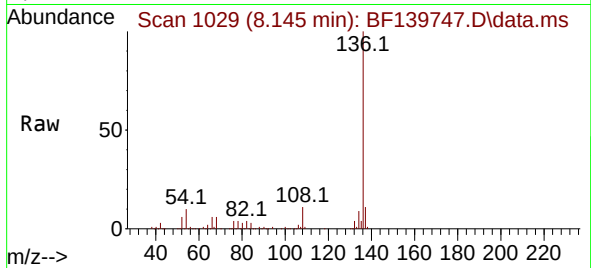




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF139747.D
Acq: 10 Oct 2024 15:34

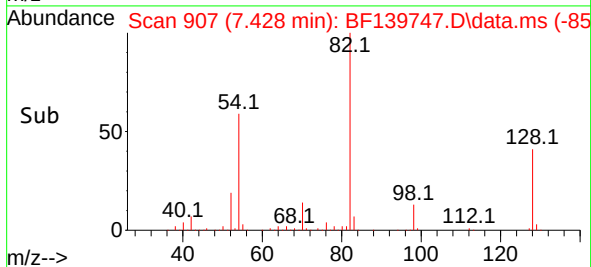
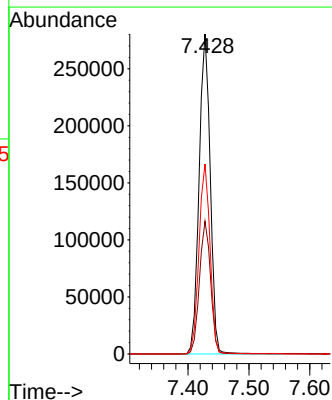
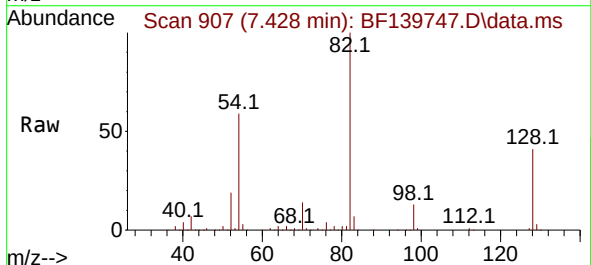
Instrument :
BNA_F
ClientSampleId :
CONCRETE-1RE

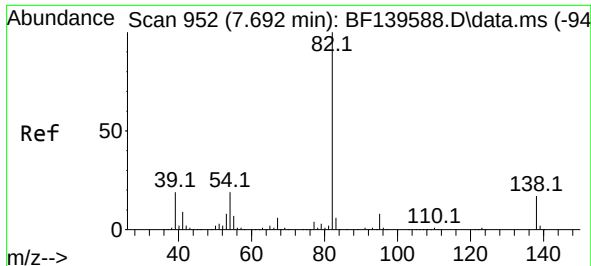
Tgt Ion:136 Resp: 282971
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.7 8.3 12.5
68 6.3 4.6 7.0



#23
Nitrobenzene-d5
Concen: 63.649 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.006 min
Lab File: BF139747.D
Acq: 10 Oct 2024 15:34

Tgt Ion: 82 Resp: 355733
Ion Ratio Lower Upper
82 100
128 41.5 32.4 48.6
54 59.4 49.1 73.7

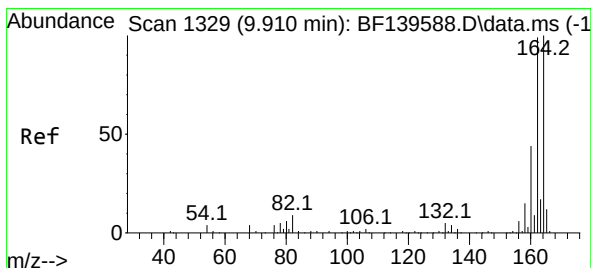
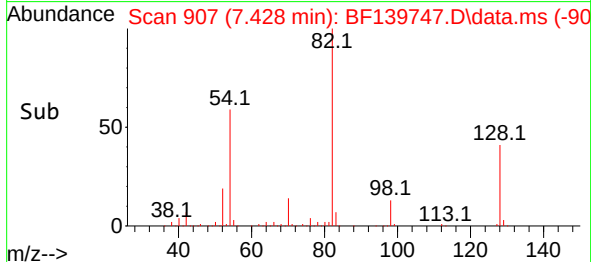
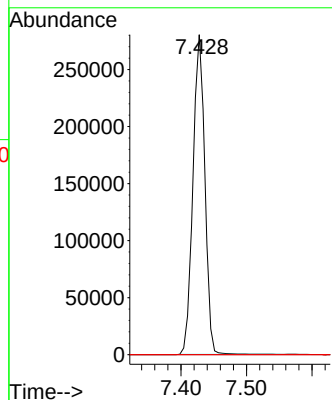
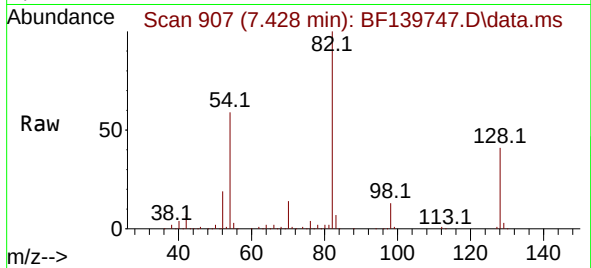




#25
Isophorone
Concen: 35.539 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139747.D
Acq: 10 Oct 2024 15:34

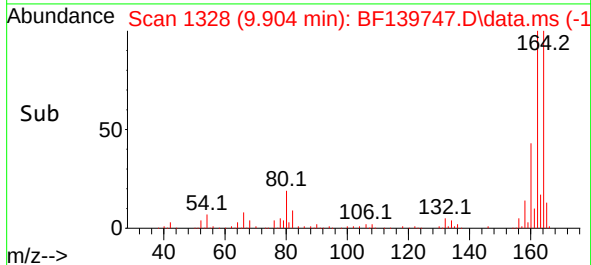
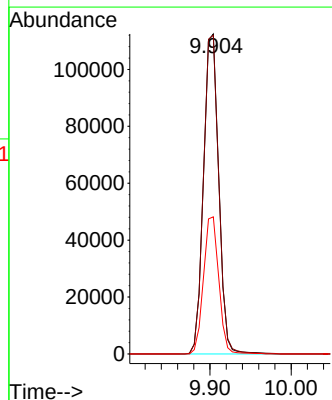
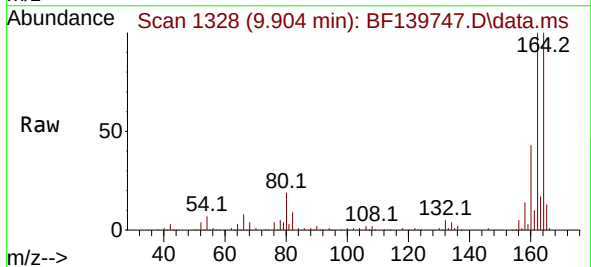
Instrument :
BNA_F
ClientSampleId :
CONCRETE-1RE

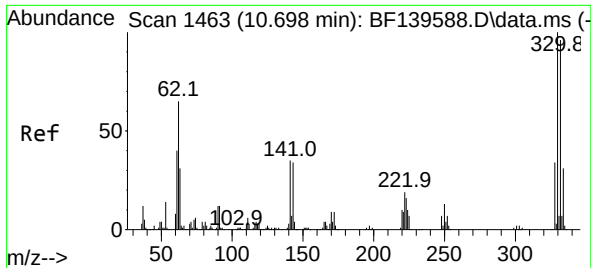
Tgt Ion: 82 Resp: 352788
Ion Ratio Lower Upper
82 100
95 0.0 6.1 9.1#
138 0.0 13.4 20.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF139747.D
Acq: 10 Oct 2024 15:34

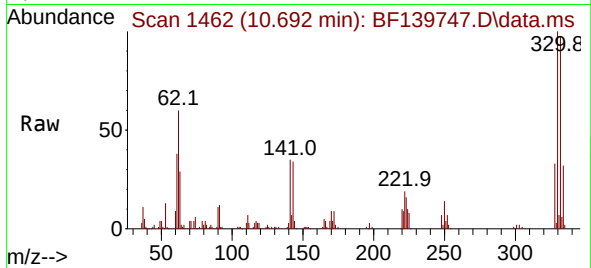
Tgt Ion:164 Resp: 146294
Ion Ratio Lower Upper
164 100
162 99.6 79.4 119.0
160 42.9 35.1 52.7



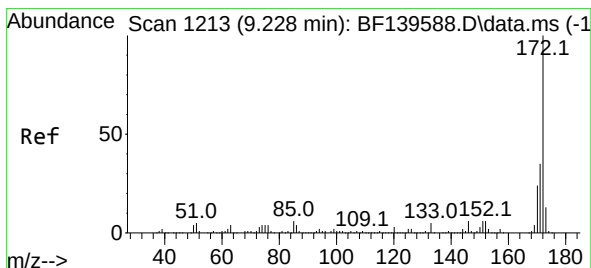
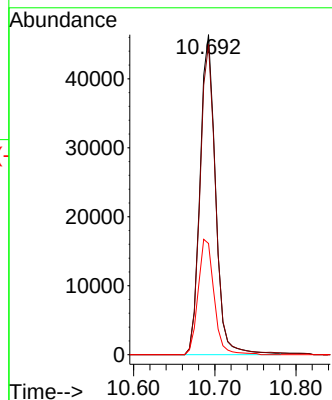
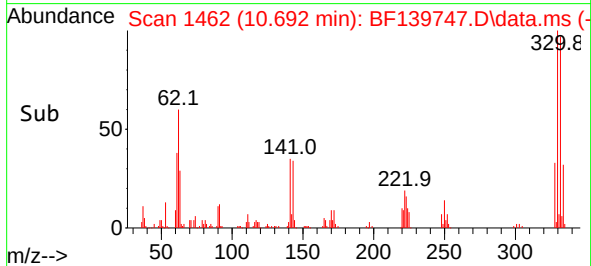


#42
2,4,6-Tribromophenol
Concen: 43.666 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF139747.D
Acq: 10 Oct 2024 15:34

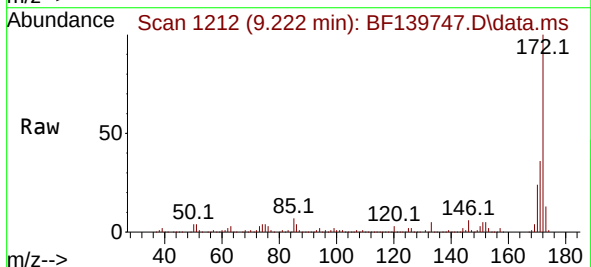
Instrument :
BNA_F
ClientSampleId :
CONCRETE-1RE



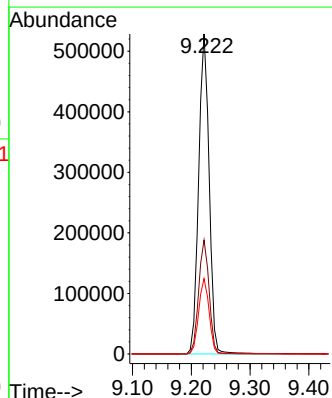
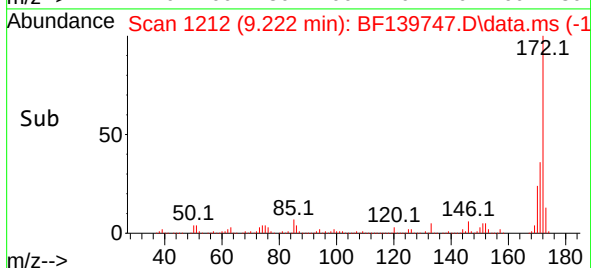
Tgt Ion: 330 Resp: 61667
Ion Ratio Lower Upper
330 100
332 98.5 76.5 114.7
141 37.1 29.3 43.9

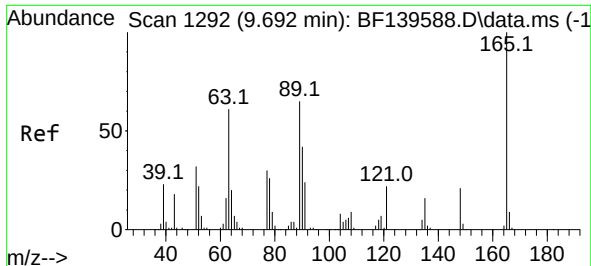


#45
2-Fluorobiphenyl
Concen: 68.785 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF139747.D
Acq: 10 Oct 2024 15:34



Tgt Ion: 172 Resp: 655478
Ion Ratio Lower Upper
172 100
171 35.6 28.2 42.4
170 23.6 18.8 28.2

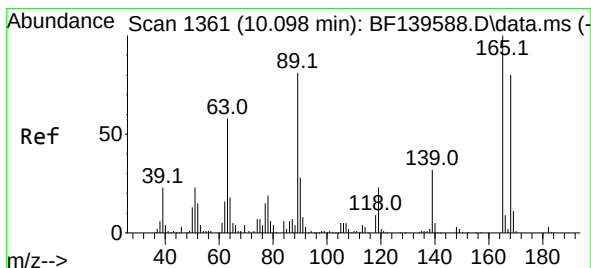
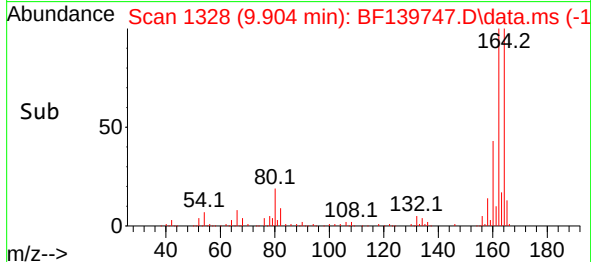
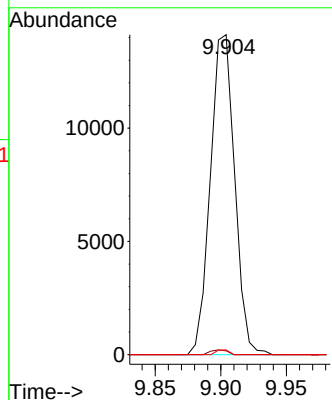
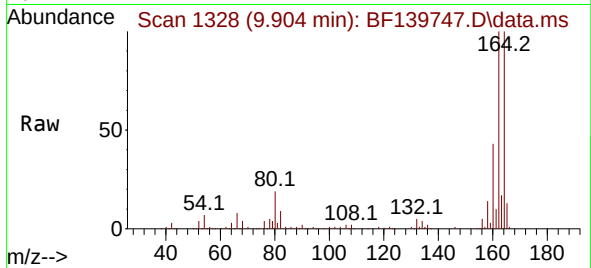




#51
2,6-Dinitrotoluene
Concen: 8.420 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF139747.D
Acq: 10 Oct 2024 15:34

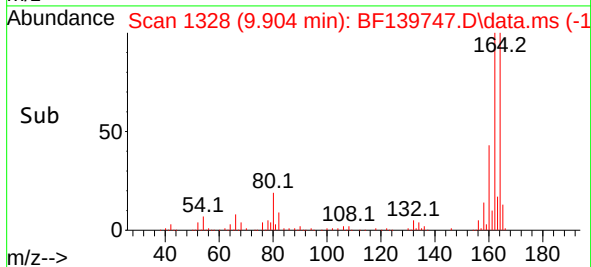
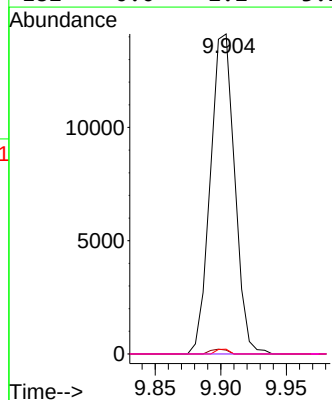
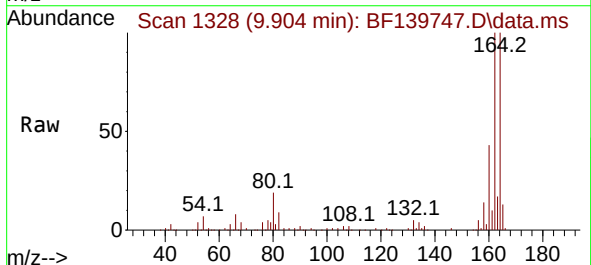
Instrument :
BNA_F
ClientSampleId :
CONCRETE-1RE

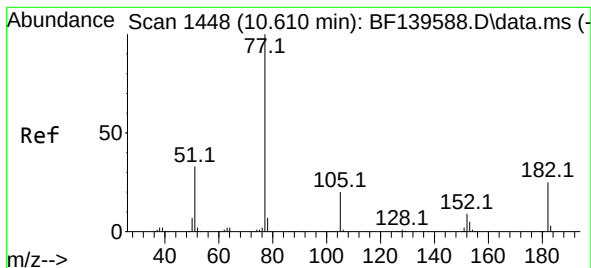
Tgt Ion:165 Resp: 18215
Ion Ratio Lower Upper
165 100
63 1.2 56.7 85.1#
89 1.5 51.6 77.4#



#57
2,4-Dinitrotoluene
Concen: 6.442 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.194 min
Lab File: BF139747.D
Acq: 10 Oct 2024 15:34

Tgt Ion:165 Resp: 18215
Ion Ratio Lower Upper
165 100
63 1.2 46.9 70.3#
89 1.5 64.4 96.6#
182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 2.028 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.000 min

Lab File: BF139747.D

Acq: 10 Oct 2024 15:34

Instrument :

BNA_F

ClientSampleId :

CONCRETE-1RE

Tgt Ion: 77 Resp: 20172

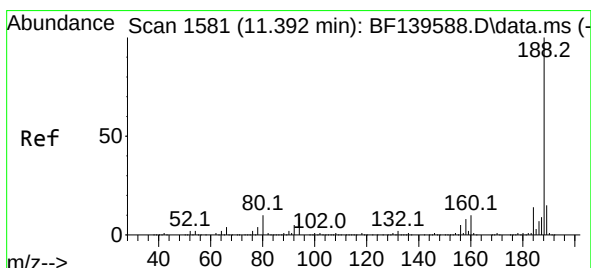
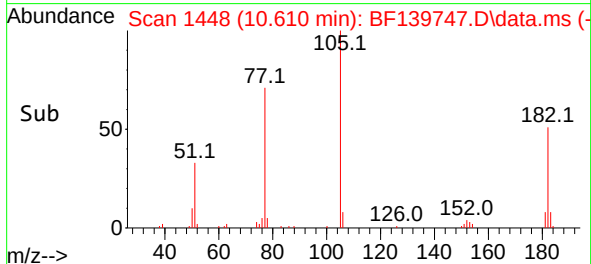
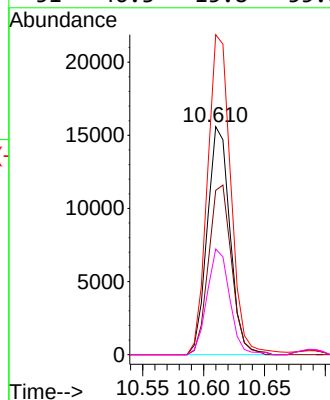
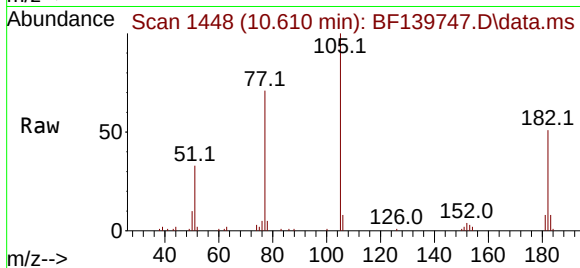
Ion Ratio Lower Upper

77 100

182 72.1 4.2 44.2#

105 140.3 0.0 39.6#

51 46.3 15.8 55.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1580

Delta R.T. -0.006 min

Lab File: BF139747.D

Acq: 10 Oct 2024 15:34

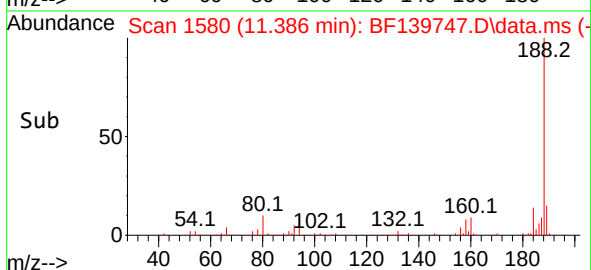
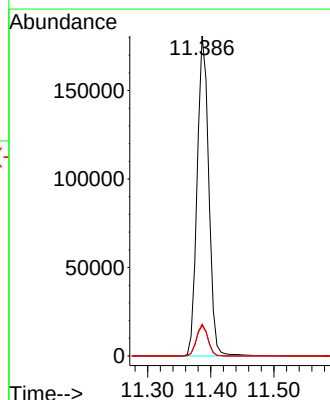
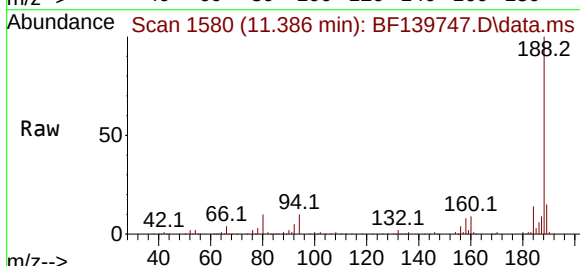
Tgt Ion: 188 Resp: 230374

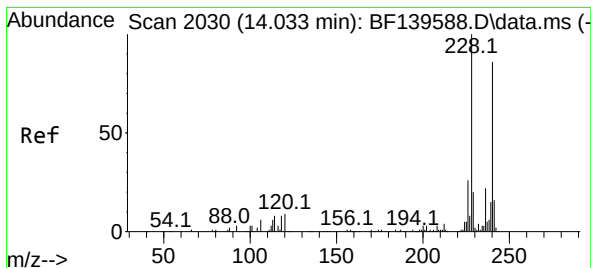
Ion Ratio Lower Upper

188 100

94 9.6 7.4 11.2

80 9.9 8.2 12.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. -0.006 min

Lab File: BF139747.D

Acq: 10 Oct 2024 15:34

Instrument :

BNA_F

ClientSampleId :

CONCRETE-1RE

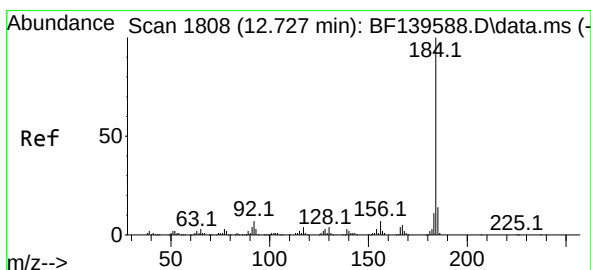
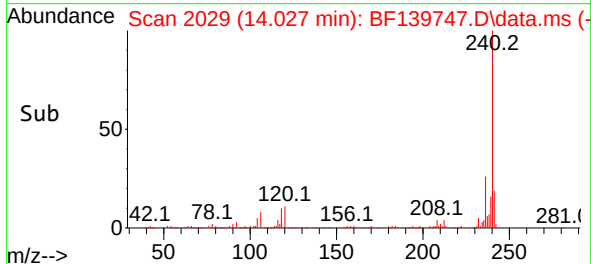
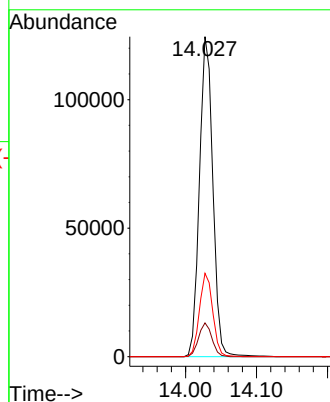
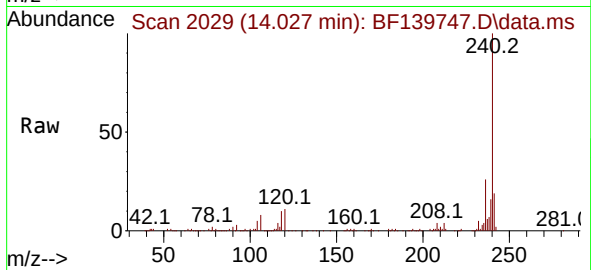
Tgt Ion:240 Resp: 163525

Ion Ratio Lower Upper

240 100

120 10.6 8.4 12.6

236 26.1 20.3 30.5



#77

Benzidine

Concen: 2.502 ng

RT: 12.974 min Scan# 1850

Delta R.T. 0.247 min

Lab File: BF139747.D

Acq: 10 Oct 2024 15:34

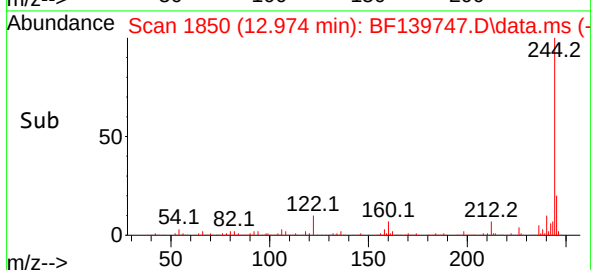
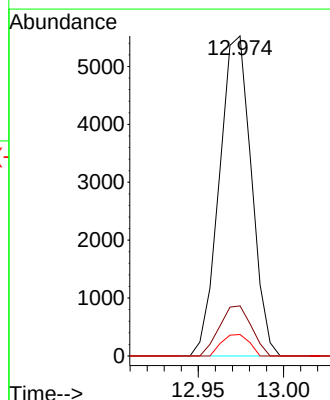
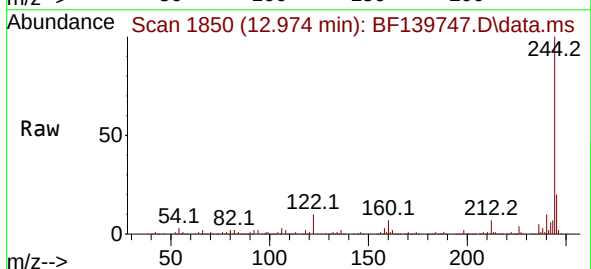
Tgt Ion:184 Resp: 7218

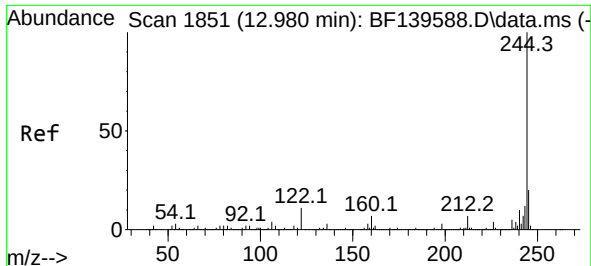
Ion Ratio Lower Upper

184 100

185 15.6 11.4 17.0

183 6.7 8.8 13.2#

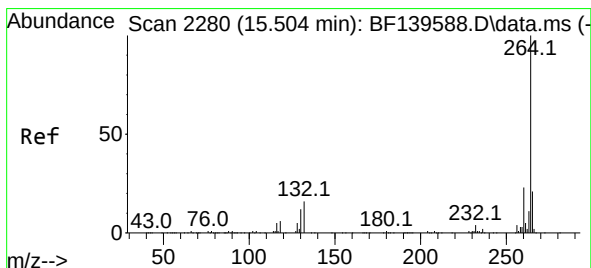
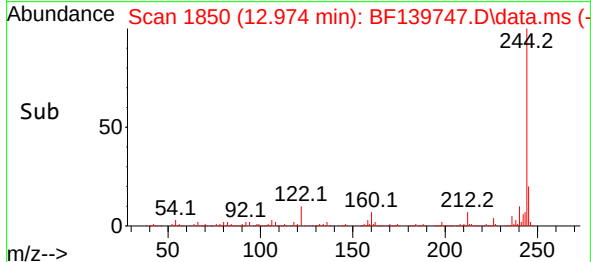
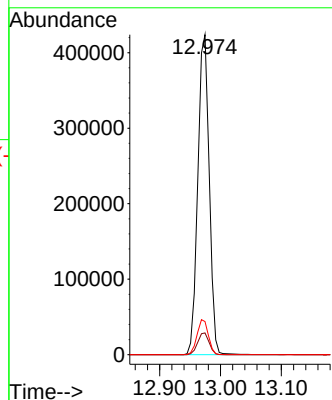
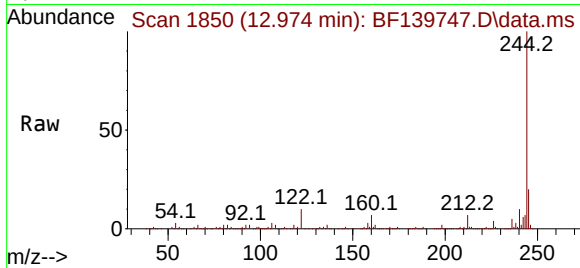




#79
 Terphenyl-d14
 Concen: 55.314 ng
 RT: 12.974 min Scan# 1850
 Delta R.T. -0.006 min
 Lab File: BF139747.D
 Acq: 10 Oct 2024 15:34

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-1RE

Tgt Ion:244 Resp: 551256
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.6
 122 10.4 8.6 12.8



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.504 min Scan# 2280
 Delta R.T. -0.000 min
 Lab File: BF139747.D
 Acq: 10 Oct 2024 15:34

Tgt Ion:264 Resp: 175716
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.7 28.1
 265 21.4 16.9 25.3

