

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139437.D
 Acq On : 18 Sep 2024 20:44
 Operator : RC/JU
 Sample : P4023-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-TP-9

Quant Time: Sep 19 01:29:39 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

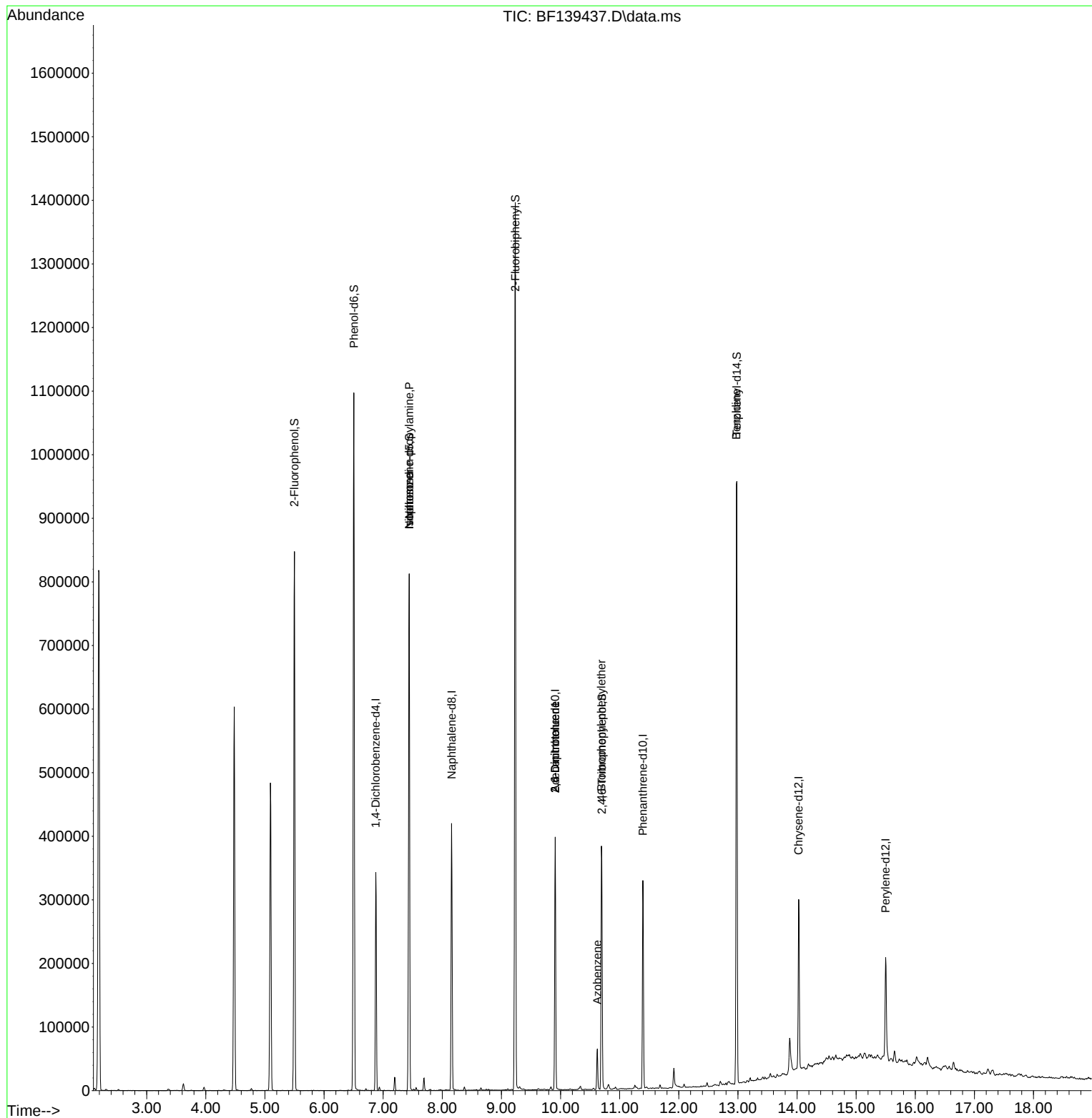
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	65858	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	235066	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	112290	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	168743	20.000	ng	0.00
76) Chrysene-d12	14.027	240	119529	20.000	ng	0.00
86) Perylene-d12	15.498	264	93334	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	268429	66.492	ng	0.00
7) Phenol-d6	6.504	99	455945	86.046	ng	0.00
23) Nitrobenzene-d5	7.440	82	334309	66.859	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	55492	46.419	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	585475	73.127	ng	0.00
79) Terphenyl-d14	12.980	244	463899	63.703	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	47387	15.091	ng	# 75
25) Isophorone	7.440	82	334302	42.275	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	14308	8.763	ng	# 15
57) 2,4-Dinitrotoluene	9.910	165	14308	6.491	ng	# 17
63) Azobenzene	10.622	77	16242	2.171	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	4035	2.413	ng	# 1
77) Benzidine	12.975	184	7328	4.279	ng	# 94

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

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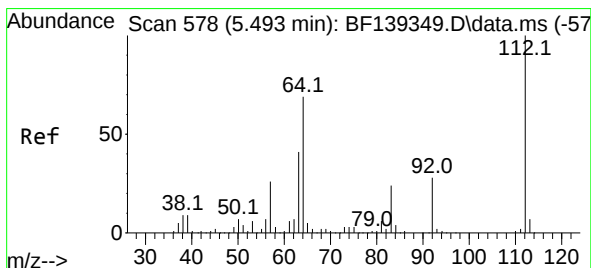
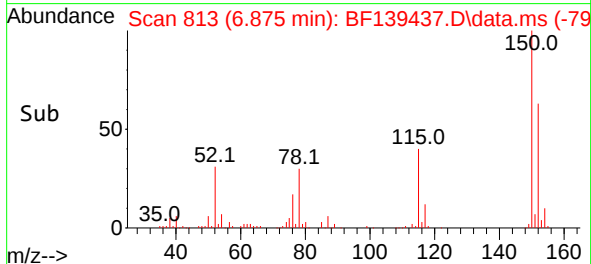
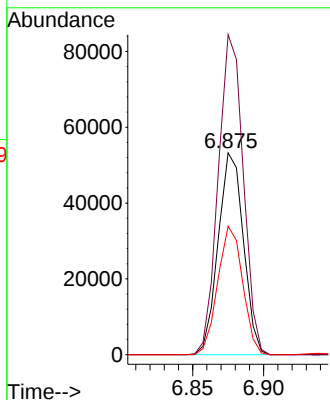
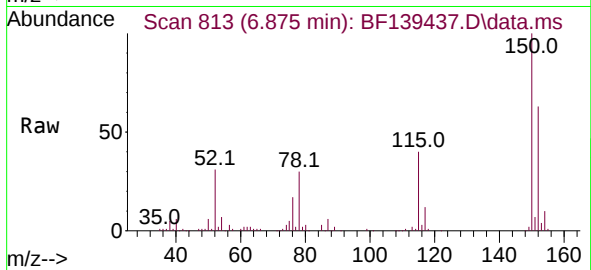




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139437.D
Acq: 18 Sep 2024 20:44

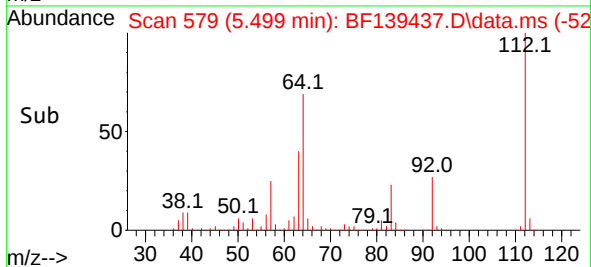
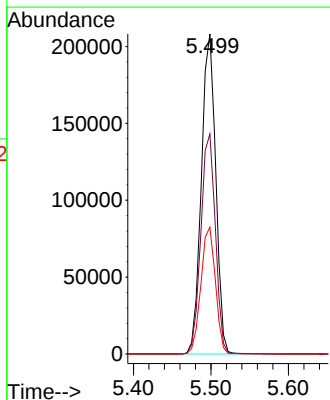
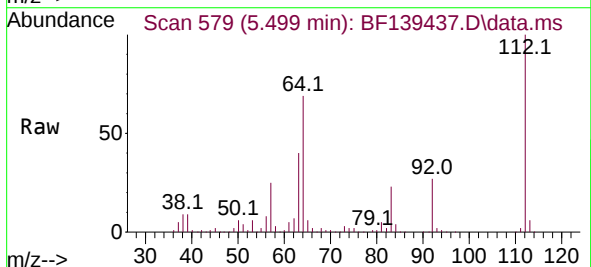
Instrument :
BNA_F
ClientSampleId :
CONCRETE-TP-9

Tgt Ion:152 Resp: 65858
Ion Ratio Lower Upper
152 100
150 158.5 124.1 186.1
115 63.6 48.1 72.1



#5
2-Fluorophenol
Concen: 66.492 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.006 min
Lab File: BF139437.D
Acq: 18 Sep 2024 20:44

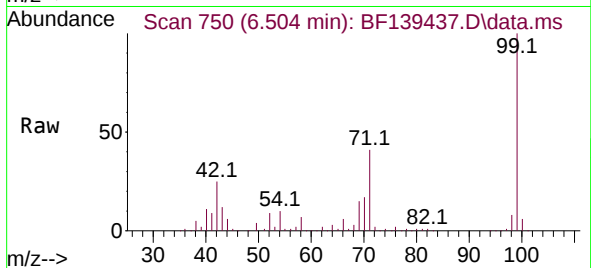
Tgt Ion:112 Resp: 268429
Ion Ratio Lower Upper
112 100
64 68.8 54.8 82.2
63 39.7 33.0 49.4



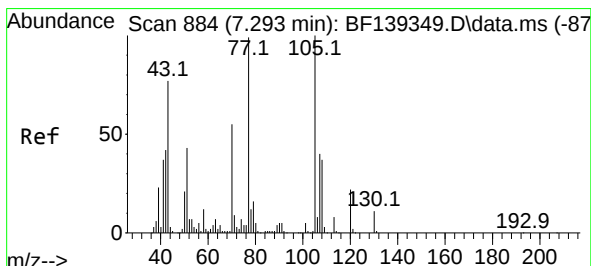
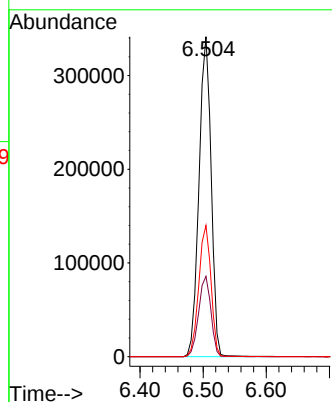
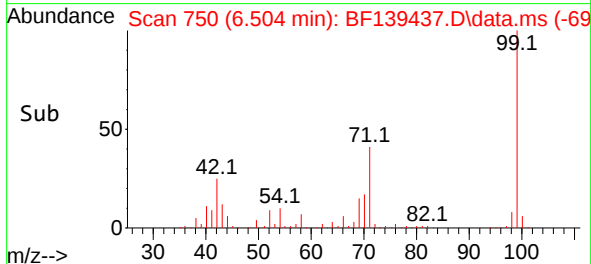


#7
Phenol-d6
Concen: 86.046 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139437.D
Acq: 18 Sep 2024 20:44

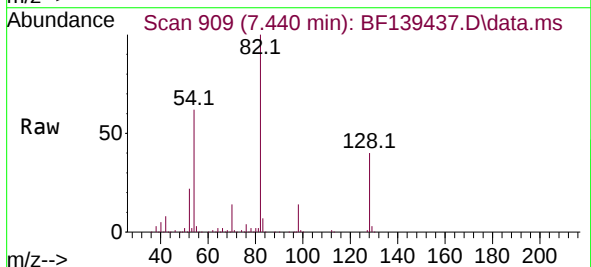
Instrument :
BNA_F
ClientSampleId :
CONCRETE-TP-9



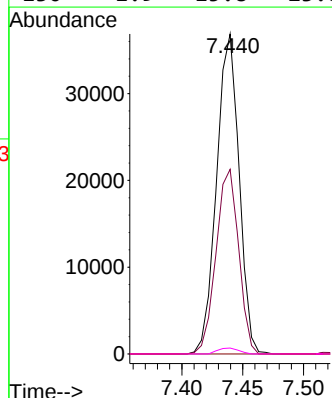
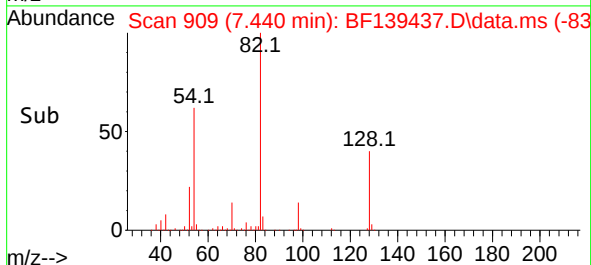
Tgt Ion: 99 Resp: 455945
Ion Ratio Lower Upper
99 100
42 25.1 21.9 32.9
71 41.0 34.6 52.0

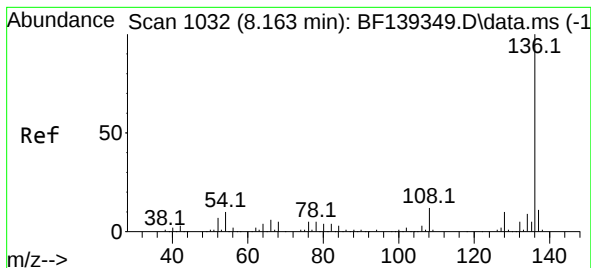


#19
n-Nitroso-di-n-propylamine
Concen: 15.091 ng
RT: 7.440 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF139437.D
Acq: 18 Sep 2024 20:44



Tgt Ion: 70 Resp: 47387
Ion Ratio Lower Upper
70 100
42 57.7 61.2 91.8#
101 0.0 7.5 11.3#
130 1.9 15.8 23.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139437.D

Acq: 18 Sep 2024 20:44

Instrument :

BNA_F

ClientSampleId :

CONCRETE-TP-9

Tgt Ion:136 Resp: 235066

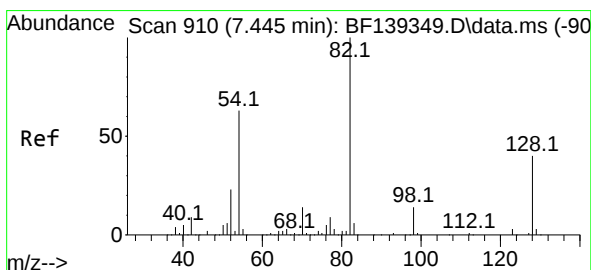
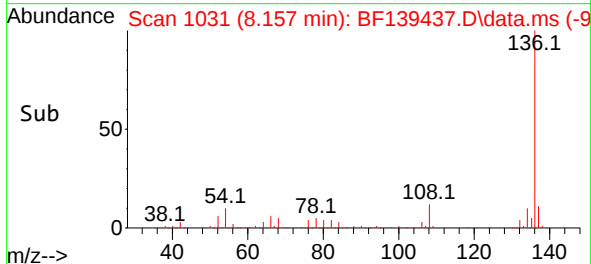
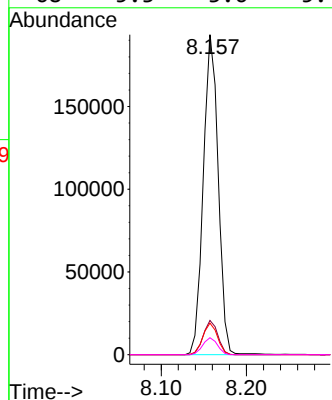
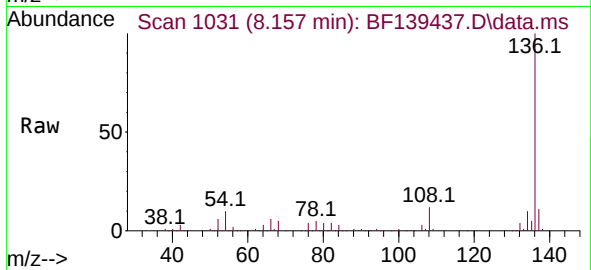
Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

54 9.8 7.8 11.8

68 5.3 3.6 5.4



#23

Nitrobenzene-d5

Concen: 66.859 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.006 min

Lab File: BF139437.D

Acq: 18 Sep 2024 20:44

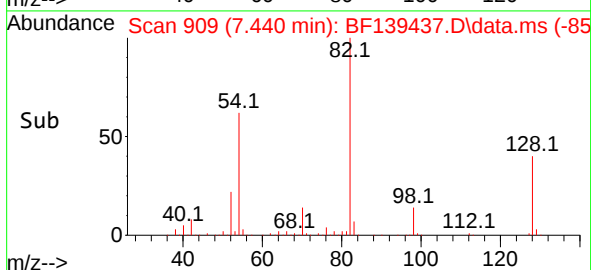
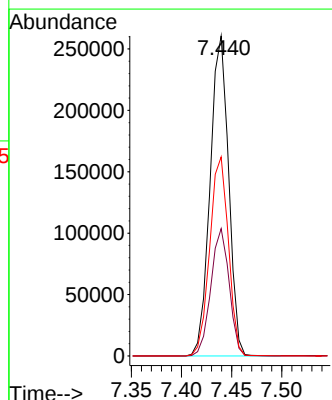
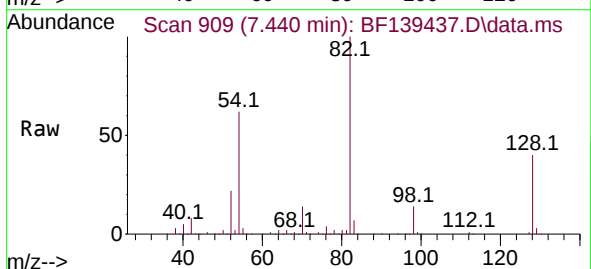
Tgt Ion: 82 Resp: 334309

Ion Ratio Lower Upper

82 100

128 39.8 31.8 47.6

54 62.2 50.6 75.8

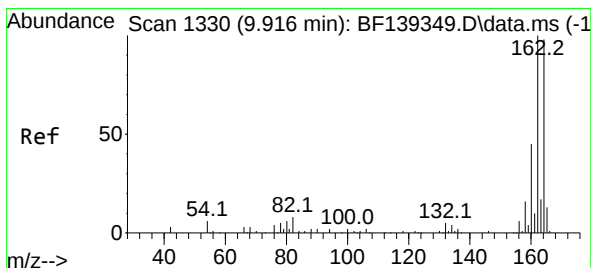
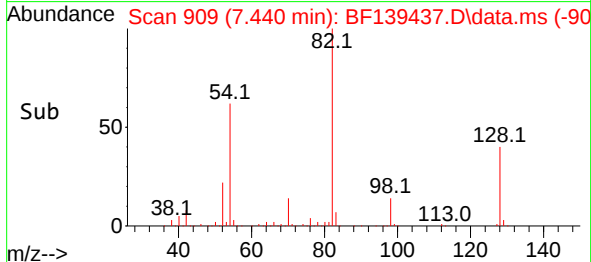
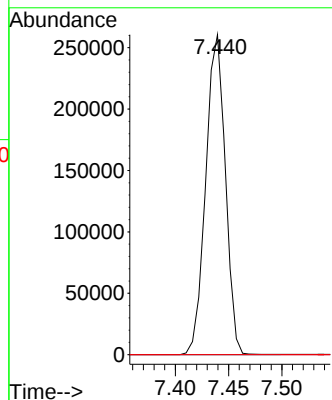
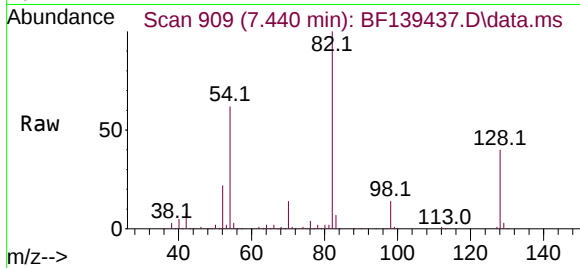




#25
Isophorone
Concen: 42.275 ng
RT: 7.440 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF139437.D
Acq: 18 Sep 2024 20:44

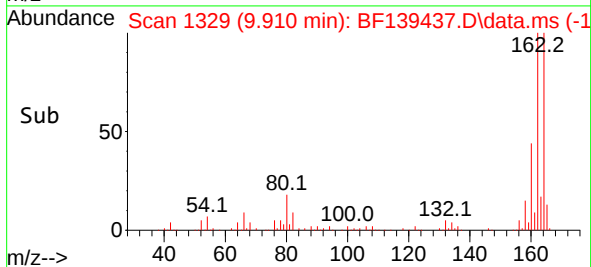
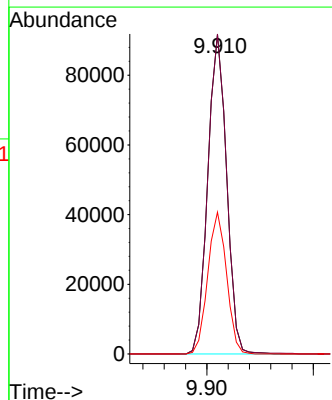
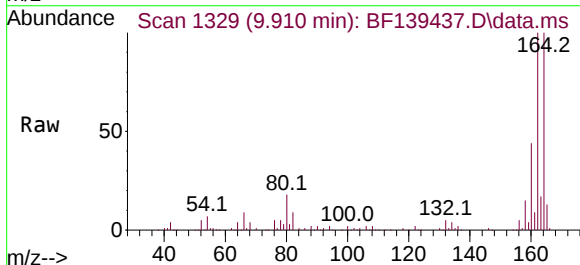
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CONCRETE-TP-9

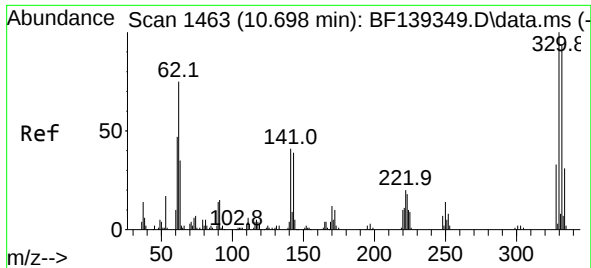
Tgt Ion: 82 Resp: 334302
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139437.D
Acq: 18 Sep 2024 20:44

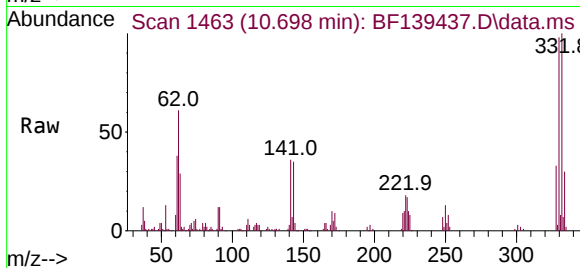
Tgt Ion: 164 Resp: 112290
Ion Ratio Lower Upper
164 100
162 100.1 81.3 121.9
160 44.3 36.4 54.6



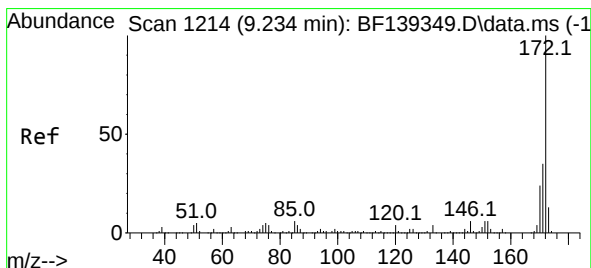
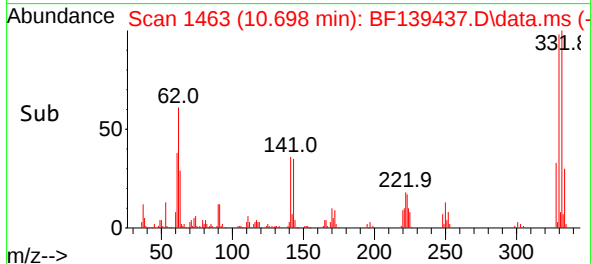
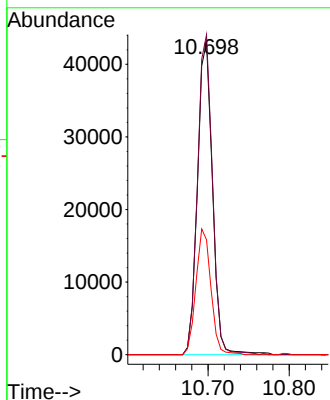


#42
2,4,6-Tribromophenol
Concen: 46.419 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139437.D
Acq: 18 Sep 2024 20:44

Instrument :
BNA_F
ClientSampleId :
CONCRETE-TP-9

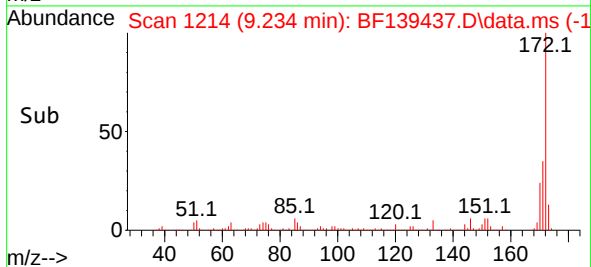
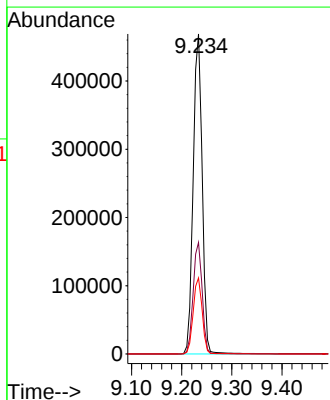
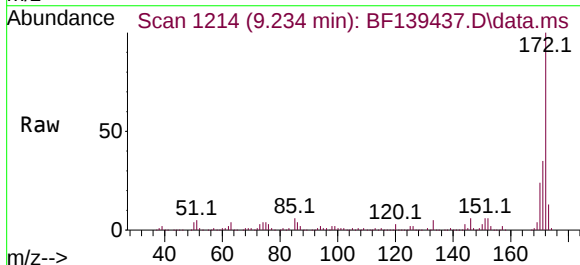


Tgt Ion:330 Resp: 55492
Ion Ratio Lower Upper
330 100
332 101.4 75.2 112.8
141 40.1 31.2 46.8



#45
2-Fluorobiphenyl
Concen: 73.127 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139437.D
Acq: 18 Sep 2024 20:44

Tgt Ion:172 Resp: 585475
Ion Ratio Lower Upper
172 100
171 34.9 28.3 42.5
170 23.8 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 8.763 ng

RT: 9.910 min Scan# 1

Delta R.T. 0.212 min

Lab File: BF139437.D

Acq: 18 Sep 2024 20:44

Instrument :

BNA_F

ClientSampleId :

CONCRETE-TP-9

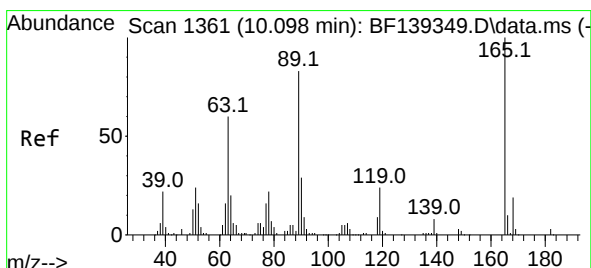
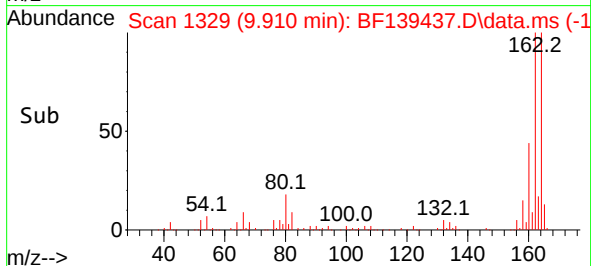
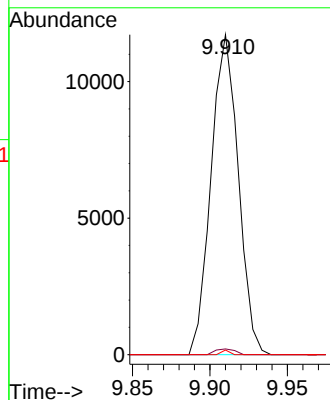
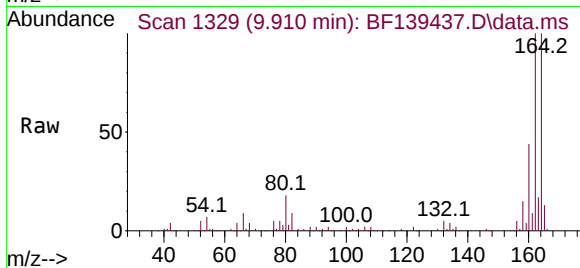
Tgt Ion:165 Resp: 14308

Ion Ratio Lower Upper

165 100

63 1.8 60.9 91.3#

89 1.4 54.7 82.1#



#57

2,4-Dinitrotoluene

Concen: 6.491 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.188 min

Lab File: BF139437.D

Acq: 18 Sep 2024 20:44

Tgt Ion:165 Resp: 14308

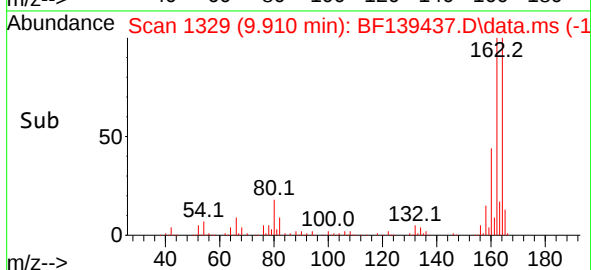
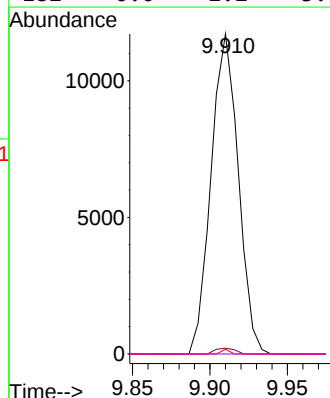
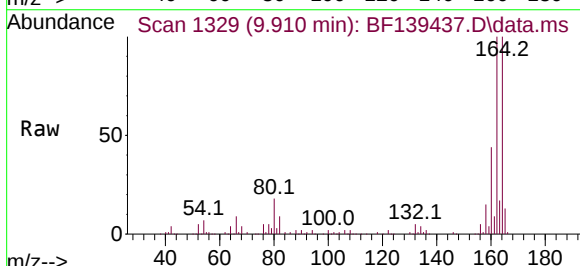
Ion Ratio Lower Upper

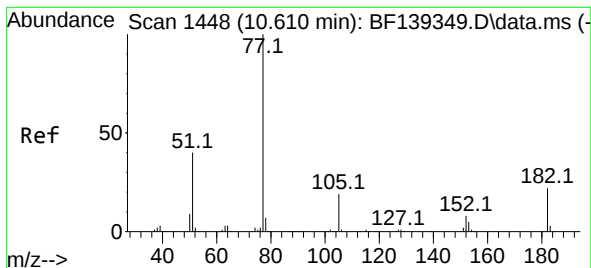
165 100

63 1.8 47.8 71.6#

89 1.4 66.7 100.1#

182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 2.171 ng

RT: 10.622 min Scan# 1448

Delta R.T. 0.012 min

Lab File: BF139437.D

Acq: 18 Sep 2024 20:44

Instrument :

BNA_F

ClientSampleId :

CONCRETE-TP-9

Tgt Ion: 77 Resp: 16242

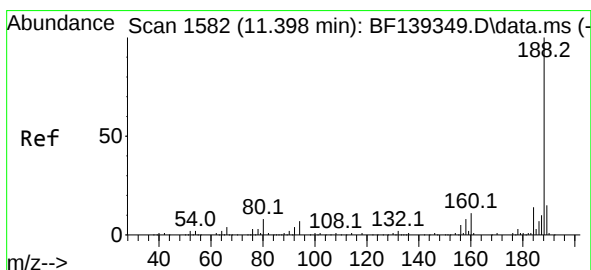
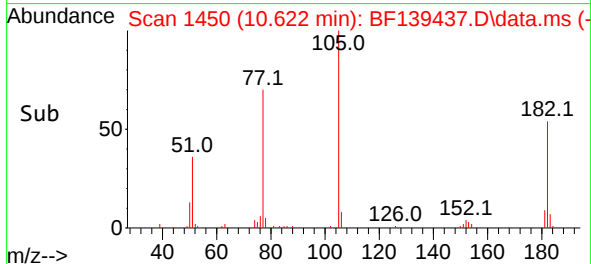
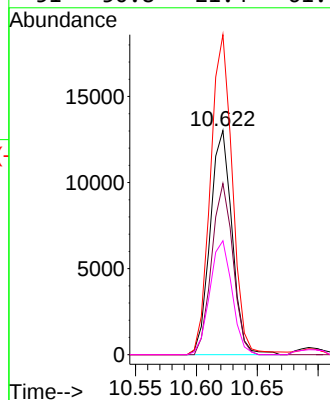
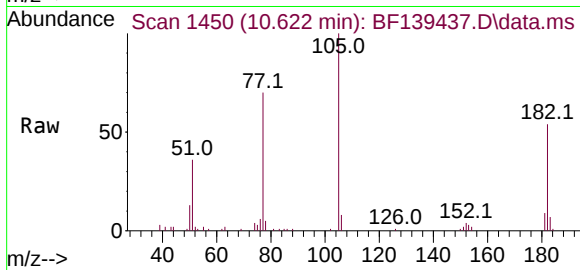
Ion Ratio Lower Upper

77 100

182 76.4 1.8 41.8#

105 142.7 0.0 38.6#

51 50.8 21.4 61.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.392 min Scan# 1581

Delta R.T. -0.006 min

Lab File: BF139437.D

Acq: 18 Sep 2024 20:44

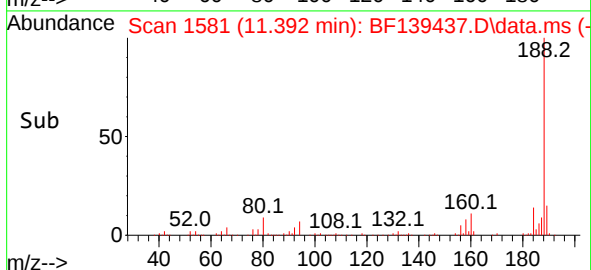
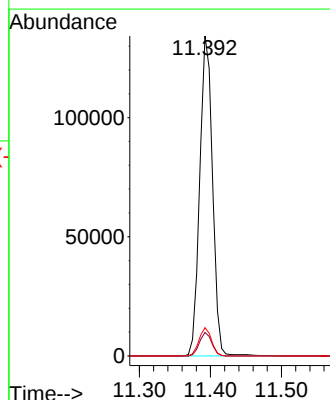
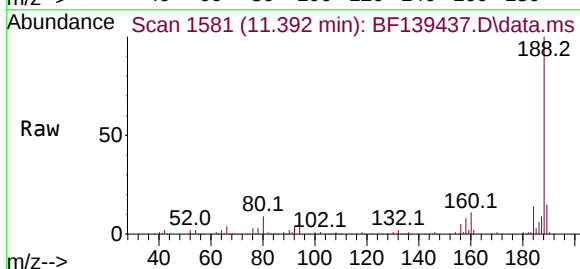
Tgt Ion: 188 Resp: 168743

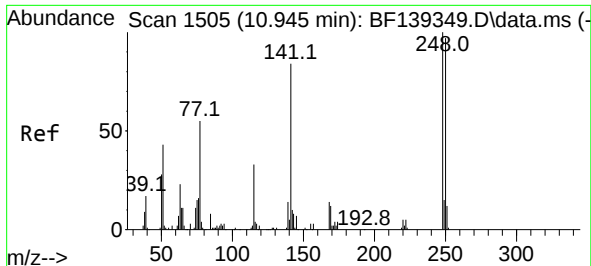
Ion Ratio Lower Upper

188 100

94 7.4 5.5 8.3

80 8.8 6.6 9.8

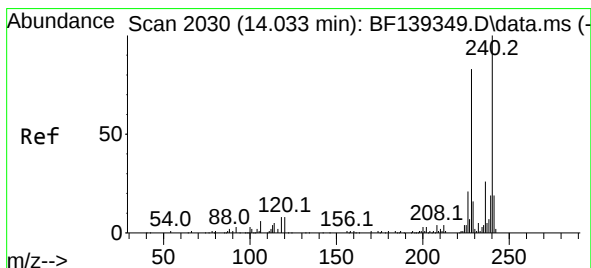
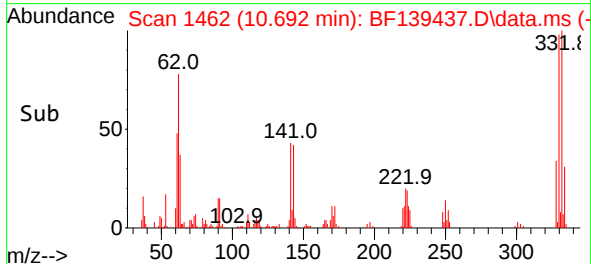
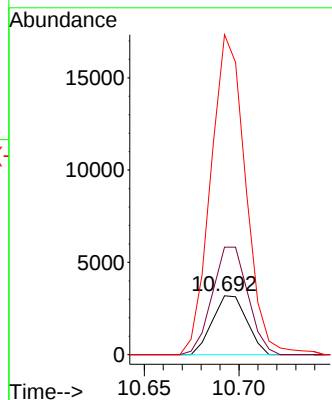
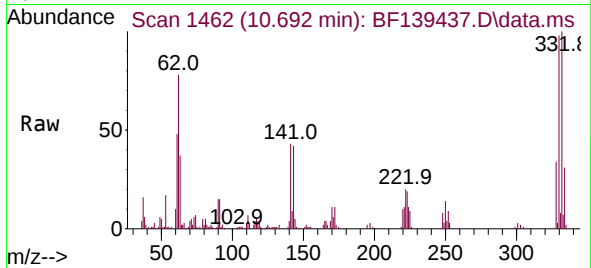




#67
4-Bromophenyl-phenylether
Concen: 2.413 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF139437.D
Acq: 18 Sep 2024 20:44

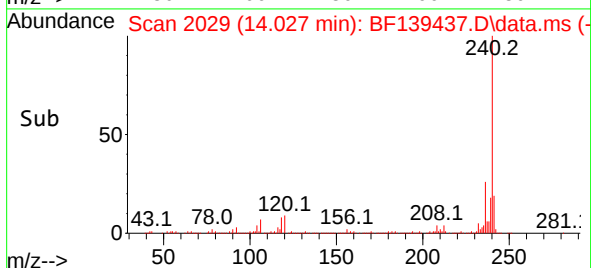
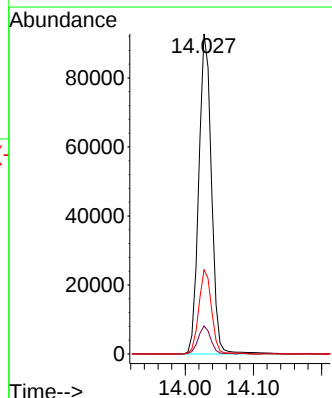
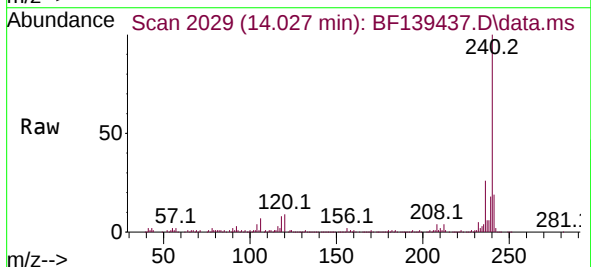
Instrument :
BNA_F
ClientSampleId :
CONCRETE-TP-9

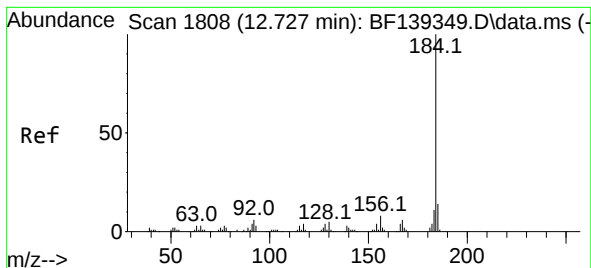
Tgt Ion:248 Resp: 4035
Ion Ratio Lower Upper
248 100
250 182.4 77.6 116.4#
141 542.9 66.9 100.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139437.D
Acq: 18 Sep 2024 20:44

Tgt Ion:240 Resp: 119529
Ion Ratio Lower Upper
240 100
120 8.7 6.2 9.2
236 26.3 20.9 31.3





#77

Benzidine

Concen: 4.279 ng

RT: 12.975 min Scan# 1850

Delta R.T. 0.247 min

Lab File: BF139437.D

Acq: 18 Sep 2024 20:44

Instrument :

BNA_F

ClientSampleId :

CONCRETE-TP-9

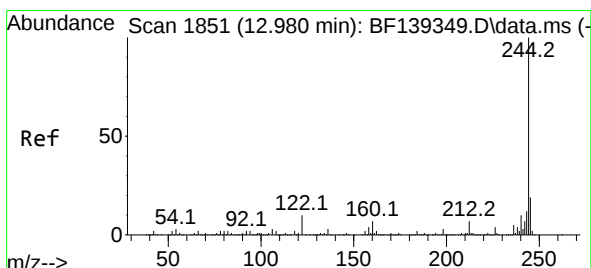
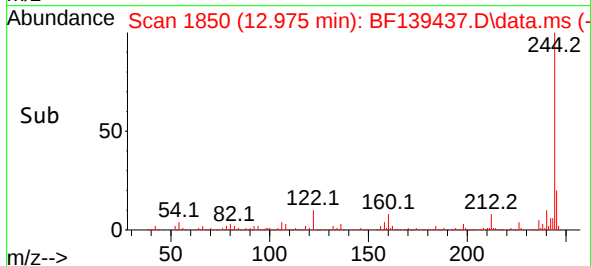
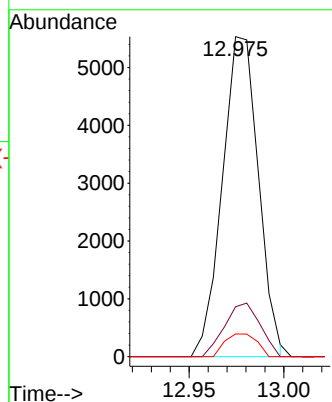
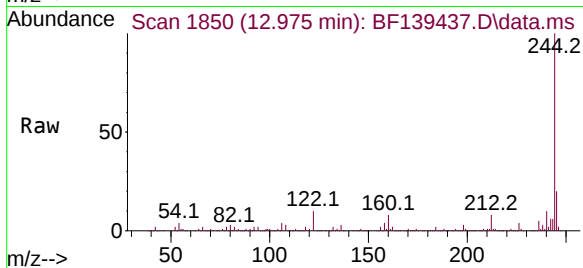
Tgt Ion:184 Resp: 7328

Ion Ratio Lower Upper

184 100

185 15.6 11.5 17.3

183 7.1 8.9 13.3#



#79

Terphenyl-d14

Concen: 63.703 ng

RT: 12.980 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BF139437.D

Acq: 18 Sep 2024 20:44

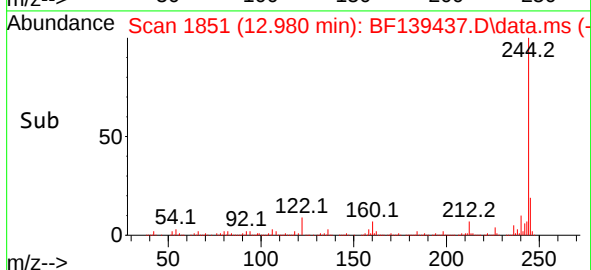
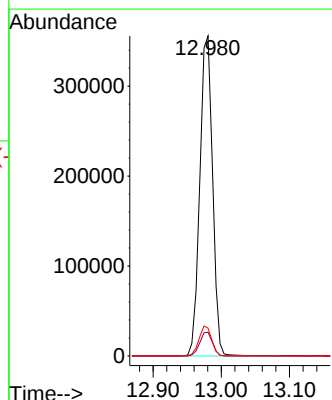
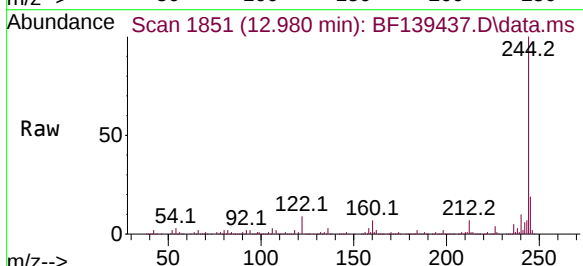
Tgt Ion:244 Resp: 463899

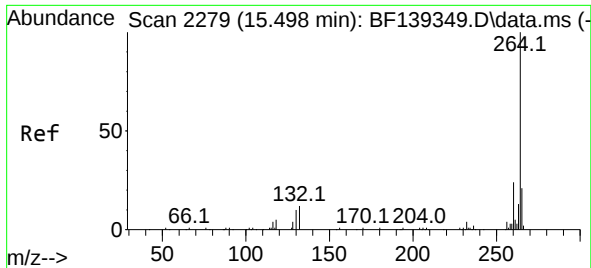
Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

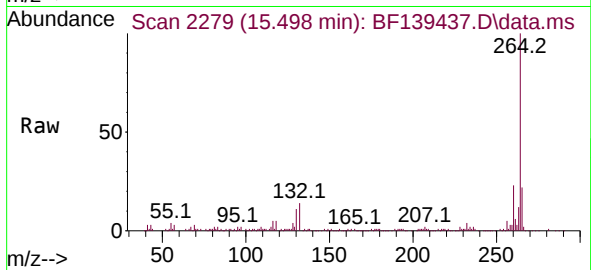
122 8.7 7.6 11.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.498 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF139437.D
 Acq: 18 Sep 2024 20:44

Instrument :
 BNA_F
 ClientSampleId :
 CONCRETE-TP-9



Tgt Ion:264 Resp: 93334
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.5 29.3
 265 21.5 16.6 25.0

