

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092624\
 Data File : BF139556.D
 Acq On : 26 Sep 2024 19:57
 Operator : RC/JU
 Sample : P4176-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FB-NC-SYS1

Quant Time: Sep 27 01:07:41 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)

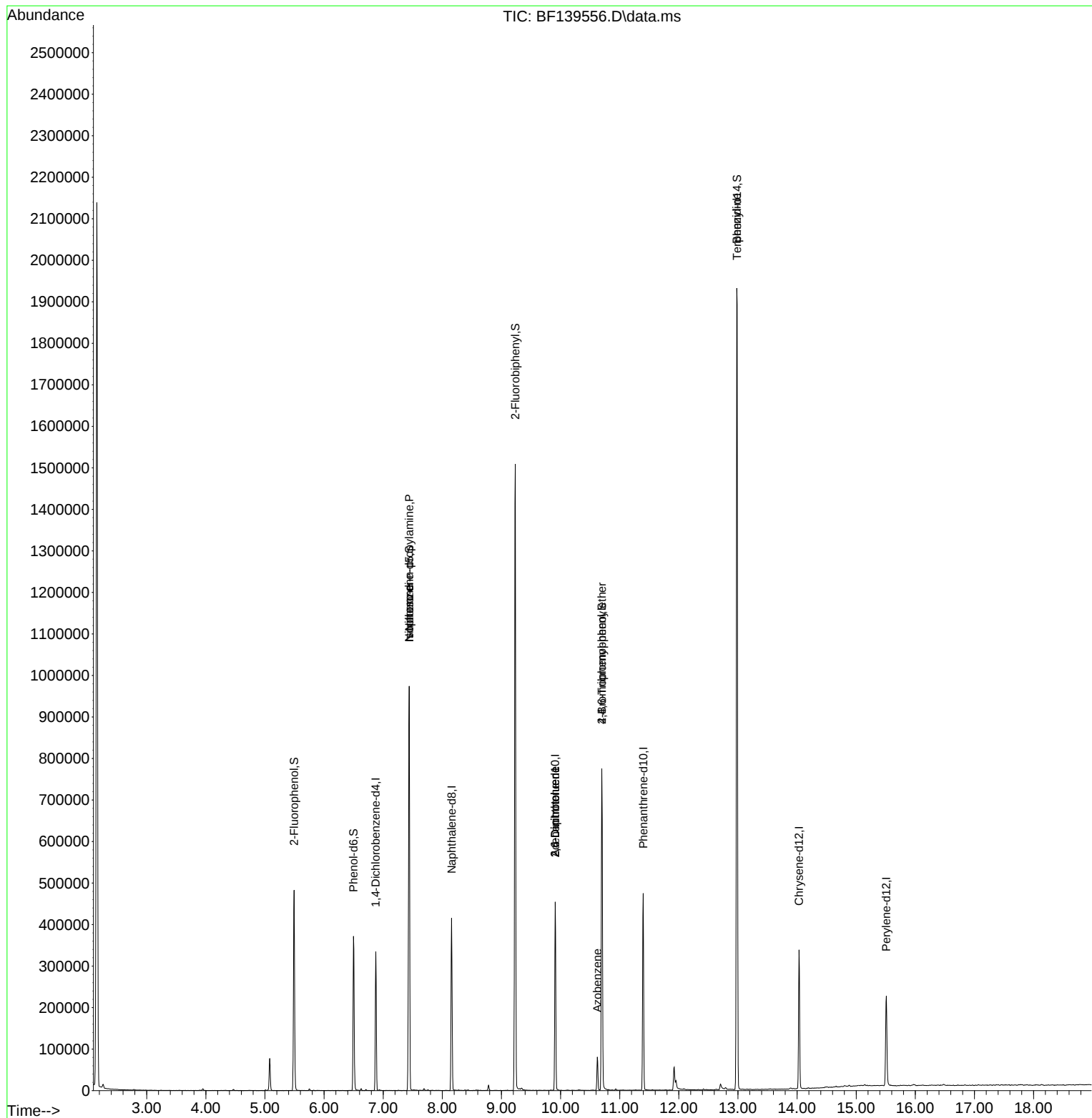
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	65147	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	242859	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	131484	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	248563	20.000	ng	# 0.00
76) Chrysene-d12	14.033	240	156570	20.000	ng	# 0.00
86) Perylene-d12	15.509	264	133422	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	155362	38.904	ng	0.00
7) Phenol-d6	6.498	99	157639	30.074	ng	0.00
23) Nitrobenzene-d5	7.439	82	415604	80.451	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	116046	82.901	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	659792	70.379	ng	0.00
79) Terphenyl-d14	12.986	244	966804	101.354	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	57107	18.385	ng	# 73
25) Isophorone	7.439	82	414573	50.743	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	17071	8.929	ng	# 15
57) 2,4-Dinitrotoluene	9.910	165	17071	6.614	ng	# 16
63) Azobenzene	10.622	77	21099	2.409	ng	# 2
67) 4-Bromophenyl-phenylether	10.698	248	7972	3.236	ng	# 1
77) Benzidine	12.980	184	13897	6.195	ng	# 94

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

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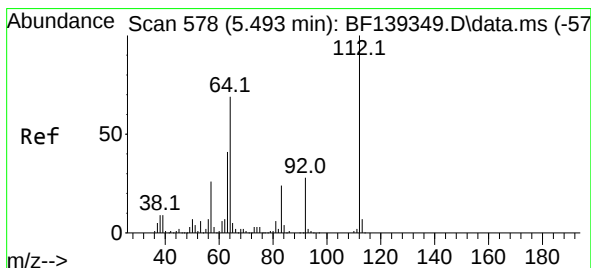
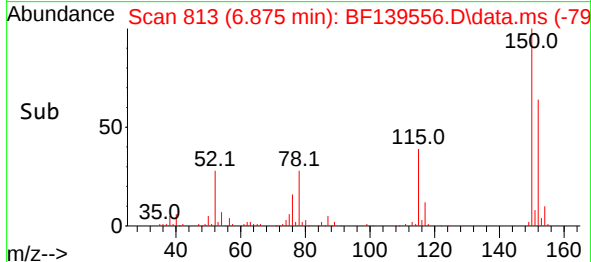
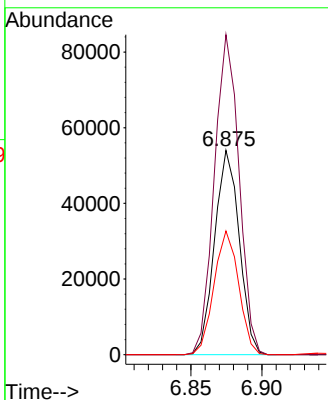
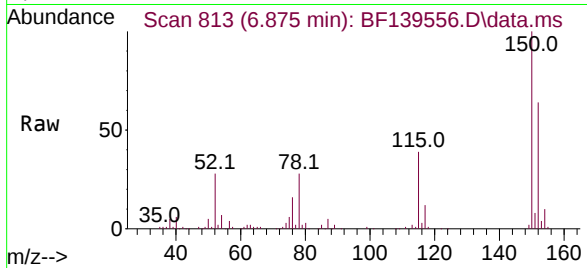




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139556.D
Acq: 26 Sep 2024 19:57

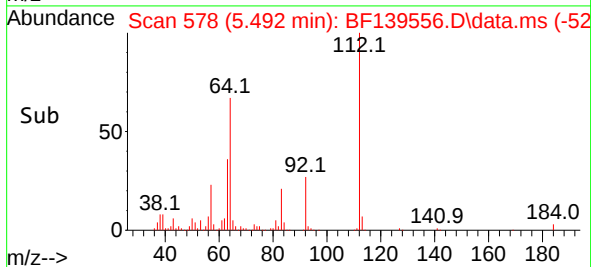
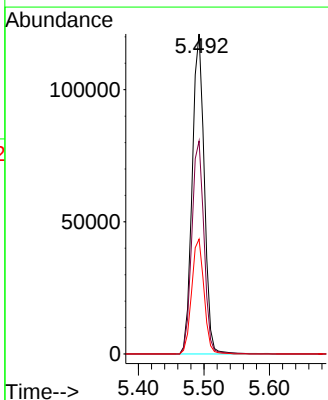
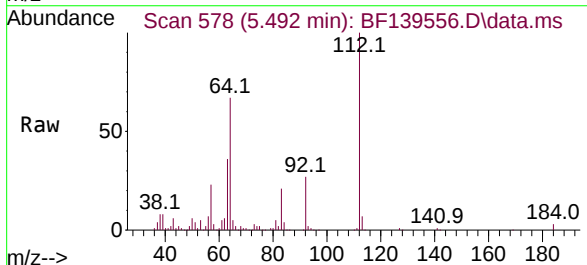
Instrument :
BNA_F
ClientSampleId :
FB-NC-SYS1

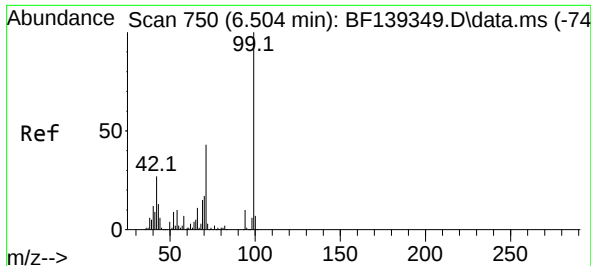
Tgt Ion:152 Resp: 65147
Ion Ratio Lower Upper
152 100
150 156.6 124.1 186.1
115 60.5 48.1 72.1



#5
2-Fluorophenol
Concen: 38.904 ng
RT: 5.492 min Scan# 578
Delta R.T. -0.001 min
Lab File: BF139556.D
Acq: 26 Sep 2024 19:57

Tgt Ion:112 Resp: 155362
Ion Ratio Lower Upper
112 100
64 66.5 54.8 82.2
63 35.9 33.0 49.4

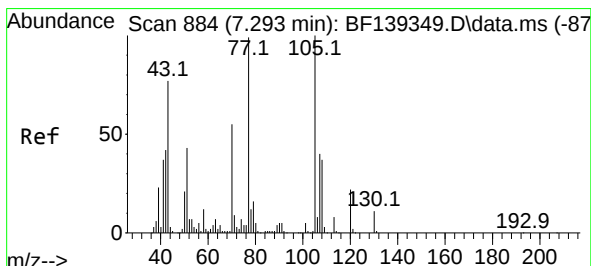
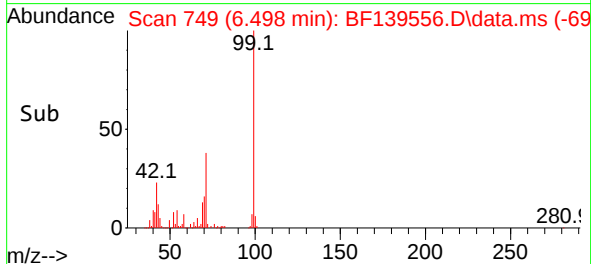
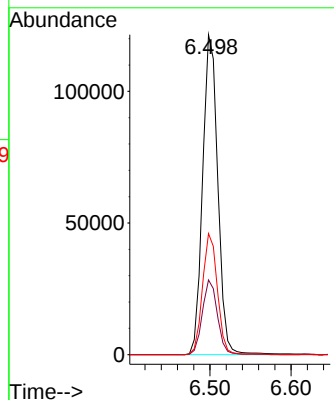
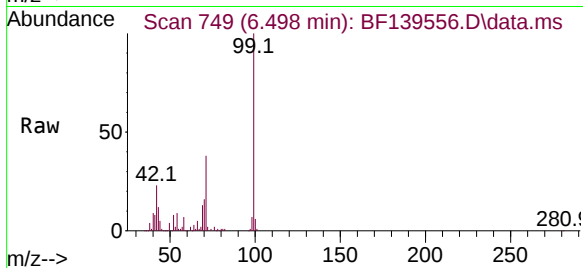




#7
Phenol-d6
Concen: 30.074 ng
RT: 6.498 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139556.D
Acq: 26 Sep 2024 19:57

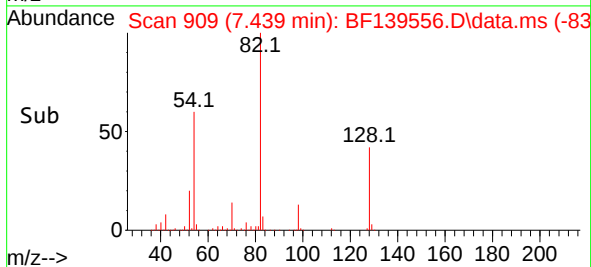
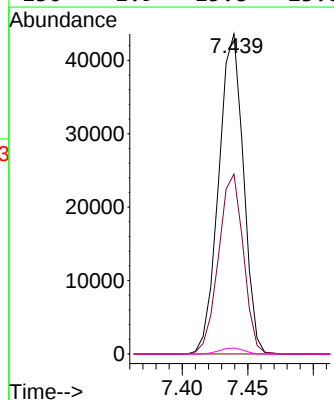
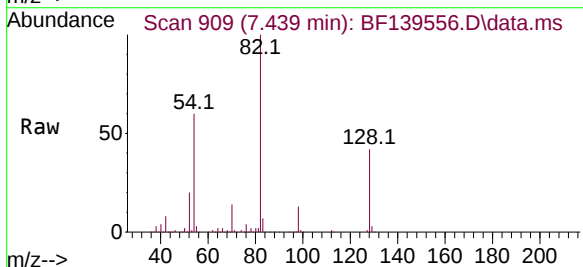
Instrument :
BNA_F
ClientSampleId :
FB-NC-SYS1

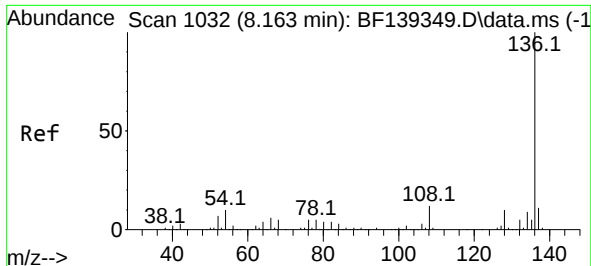
Tgt Ion: 99 Resp: 157639
Ion Ratio Lower Upper
99 100
42 23.3 21.9 32.9
71 37.8 34.6 52.0



#19
n-Nitroso-di-n-propylamine
Concen: 18.385 ng
RT: 7.439 min Scan# 909
Delta R.T. 0.147 min
Lab File: BF139556.D
Acq: 26 Sep 2024 19:57

Tgt Ion: 70 Resp: 57107
Ion Ratio Lower Upper
70 100
42 56.2 61.2 91.8#
101 0.0 7.5 11.3#
130 1.9 15.8 23.8#

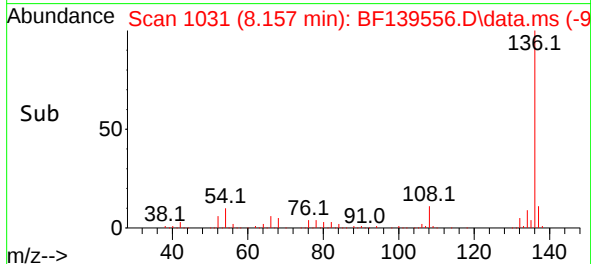
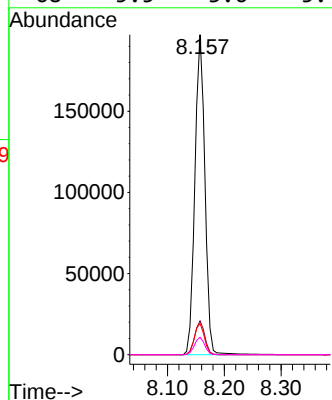
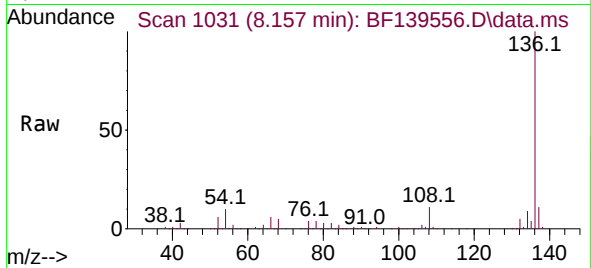




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF139556.D
Acq: 26 Sep 2024 19:57

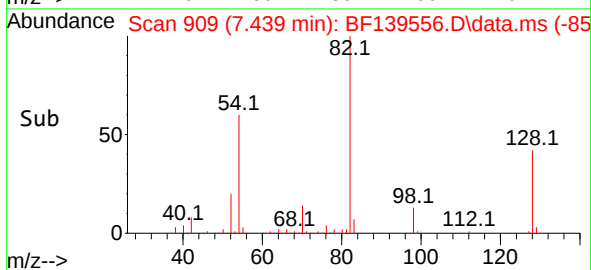
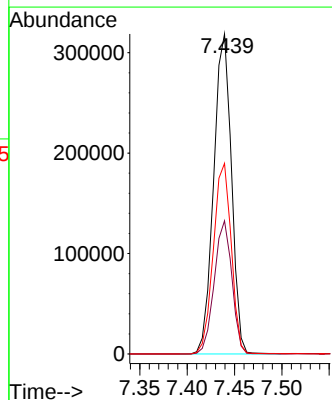
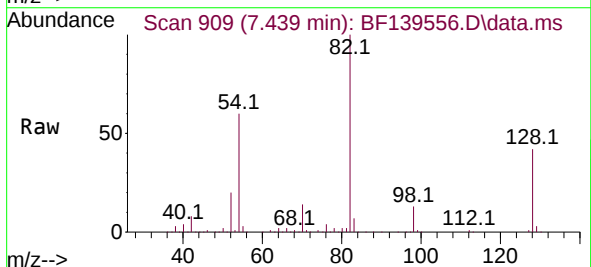
Instrument :
BNA_F
ClientSampleId :
FB-NC-SYS1

Tgt Ion:136 Resp: 242859
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 9.7 7.8 11.8
68 5.5 3.6 5.4#



#23
Nitrobenzene-d5
Concen: 80.451 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139556.D
Acq: 26 Sep 2024 19:57

Tgt Ion: 82 Resp: 415604
Ion Ratio Lower Upper
82 100
128 41.6 31.8 47.6
54 59.5 50.6 75.8

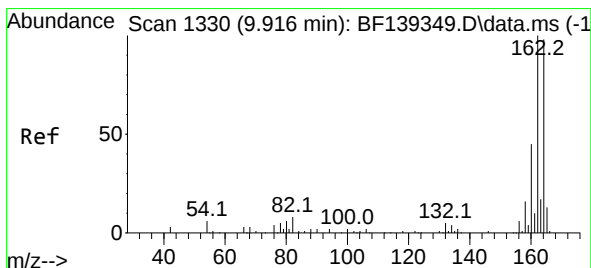
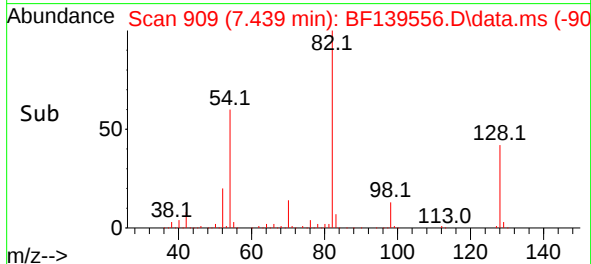
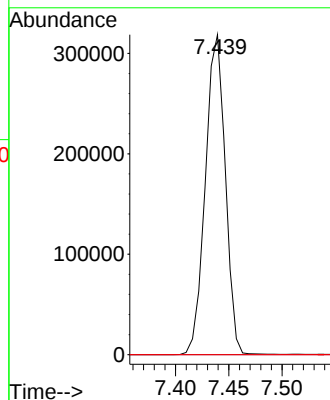
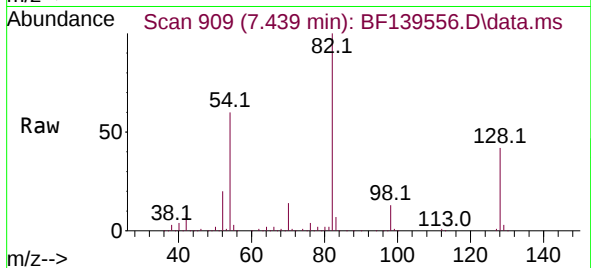




#25
Isophorone
Concen: 50.743 ng
RT: 7.439 min Scan# 90
Delta R.T. -0.259 min
Lab File: BF139556.D
Acq: 26 Sep 2024 19:57

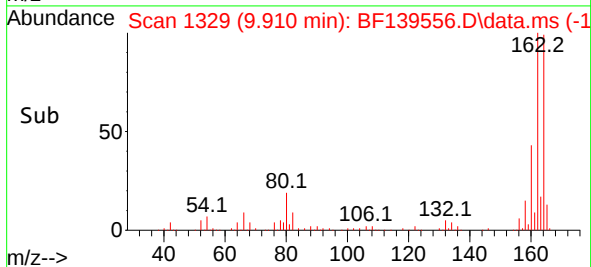
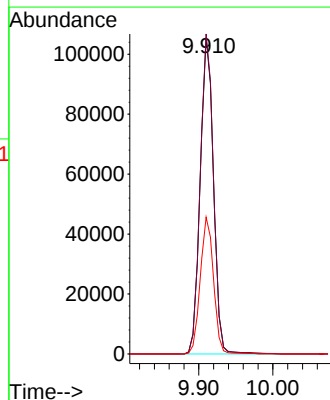
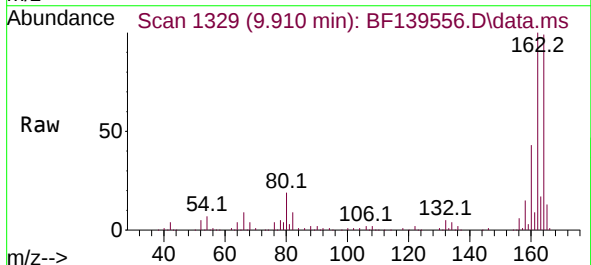
Instrument :
BNA_F
ClientSampleId :
FB-NC-SYS1

Tgt Ion: 82 Resp: 414573
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: BF139556.D
Acq: 26 Sep 2024 19:57

Tgt Ion:164 Resp: 131484
Ion Ratio Lower Upper
164 100
162 101.2 81.3 121.9
160 43.3 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 82.901 ng

RT: 10.698 min Scan# 1463

Delta R.T. -0.000 min

Lab File: BF139556.D

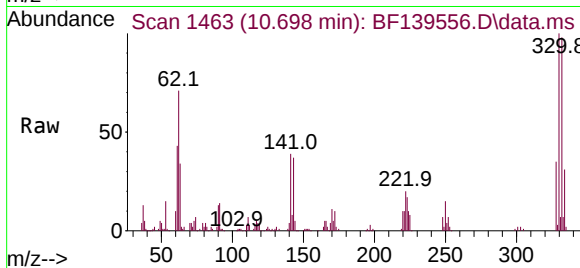
Acq: 26 Sep 2024 19:57

Instrument :

BNA_F

ClientSampleId :

FB-NC-SYS1



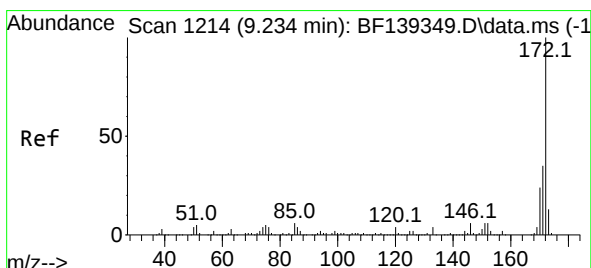
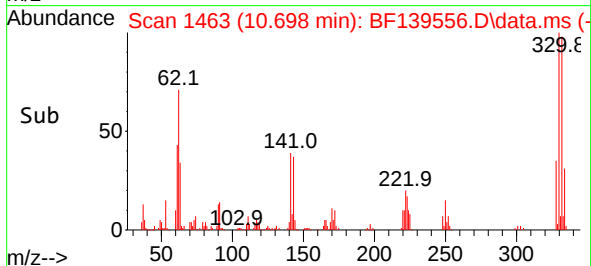
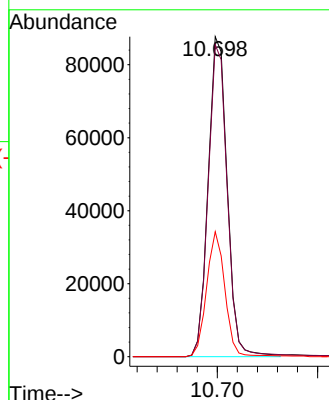
Tgt Ion:330 Resp: 116046

Ion Ratio Lower Upper

330 100

332 98.6 75.2 112.8

141 37.9 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 70.379 ng

RT: 9.233 min Scan# 1214

Delta R.T. -0.000 min

Lab File: BF139556.D

Acq: 26 Sep 2024 19:57

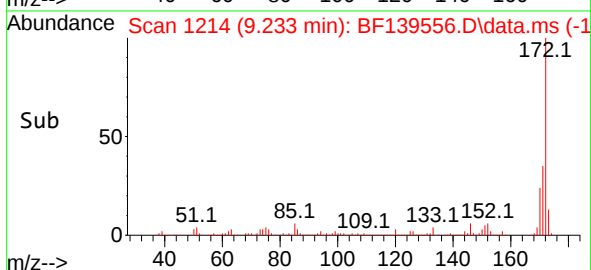
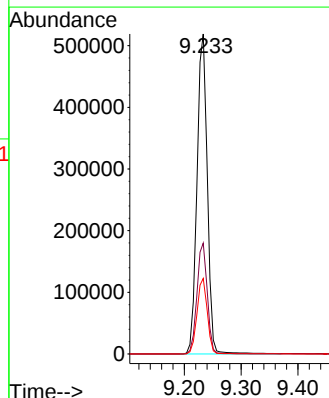
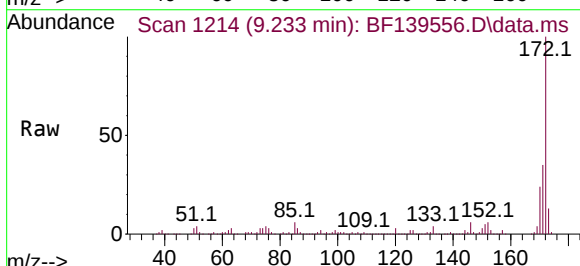
Tgt Ion:172 Resp: 659792

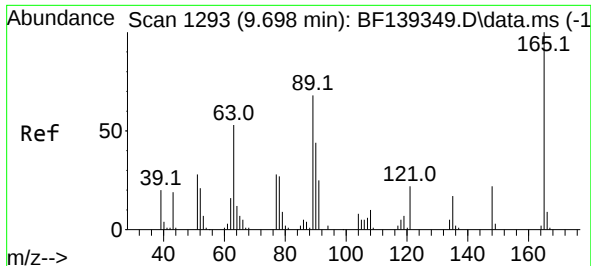
Ion Ratio Lower Upper

172 100

171 34.6 28.3 42.5

170 23.6 19.0 28.6

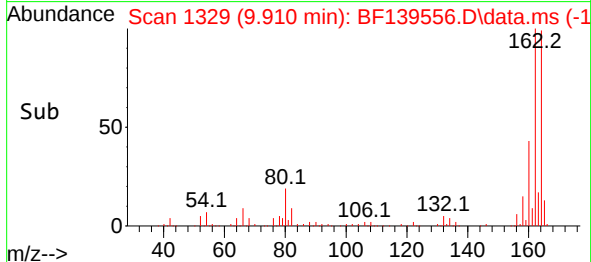
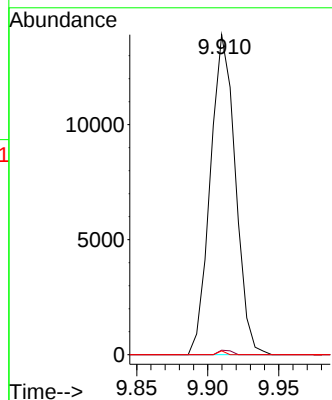
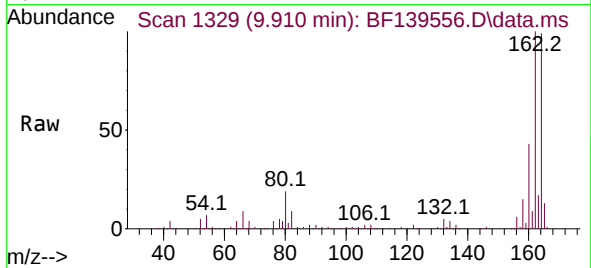




#51
2,6-Dinitrotoluene
Concen: 8.929 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF139556.D
Acq: 26 Sep 2024 19:57

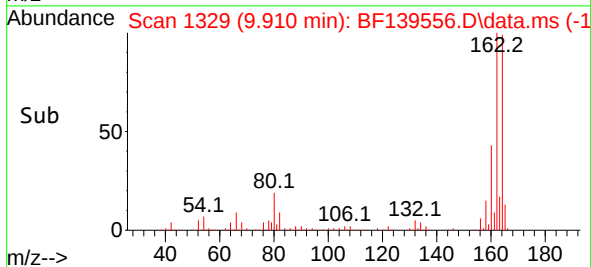
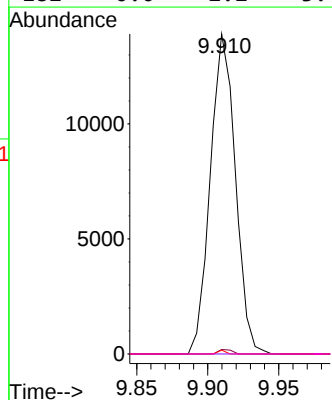
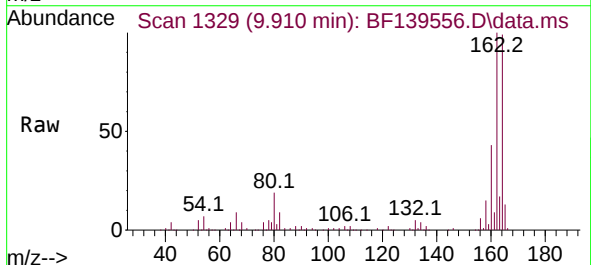
Instrument :
BNA_F
ClientSampleId :
FB-NC-SYS1

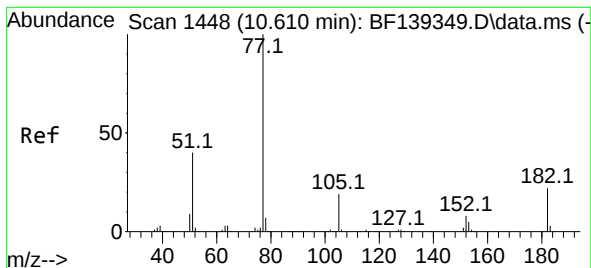
Tgt Ion:165 Resp: 17071
Ion Ratio Lower Upper
165 100
63 1.4 60.9 91.3#
89 1.2 54.7 82.1#



#57
2,4-Dinitrotoluene
Concen: 6.614 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF139556.D
Acq: 26 Sep 2024 19:57

Tgt Ion:165 Resp: 17071
Ion Ratio Lower Upper
165 100
63 1.4 47.8 71.6#
89 1.2 66.7 100.1#
182 0.0 2.2 3.4#





#63

Azobenzene

Concen: 2.409 ng

RT: 10.622 min Scan# 1448

Delta R.T. 0.012 min

Lab File: BF139556.D

Acq: 26 Sep 2024 19:57

Instrument :

BNA_F

ClientSampleId :

FB-NC-SYS1

Tgt Ion: 77 Resp: 21099

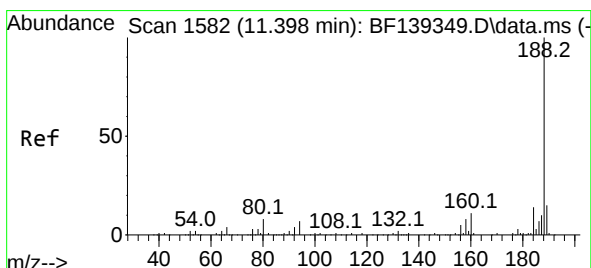
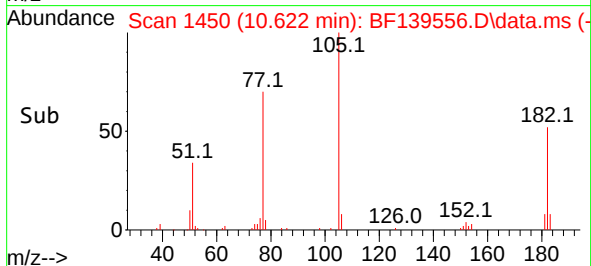
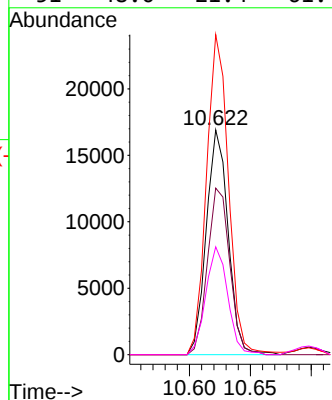
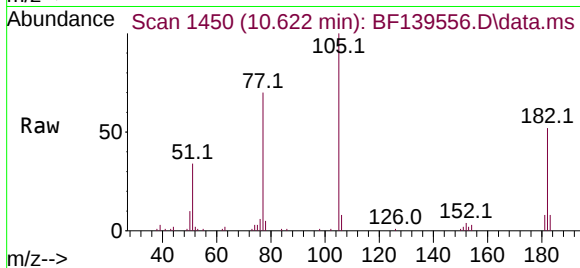
Ion Ratio Lower Upper

77 100

182 74.0 1.8 41.8#

105 142.3 0.0 38.6#

51 48.0 21.4 61.4



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.000 min

Lab File: BF139556.D

Acq: 26 Sep 2024 19:57

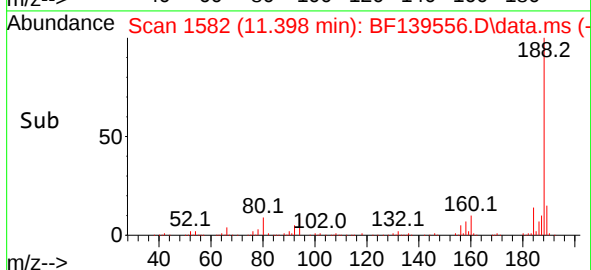
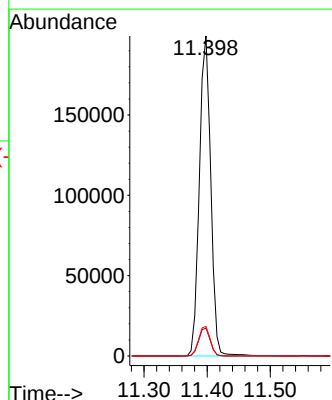
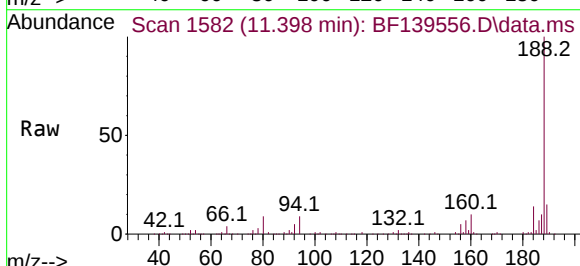
Tgt Ion: 188 Resp: 248563

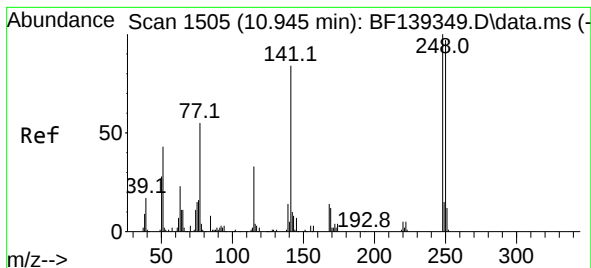
Ion Ratio Lower Upper

188 100

94 8.7 5.5 8.3#

80 9.2 6.6 9.8

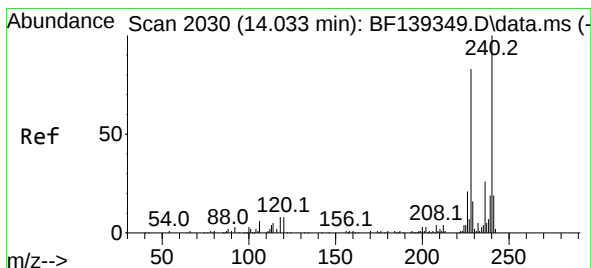
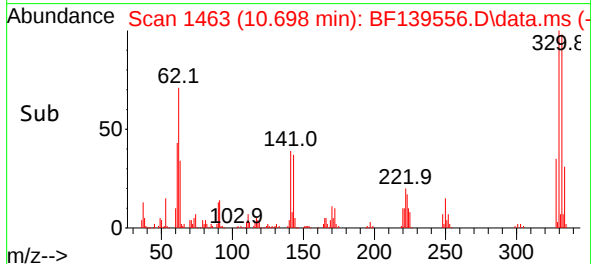
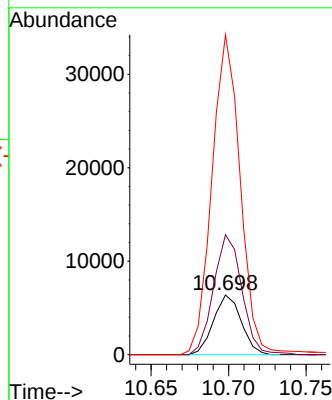
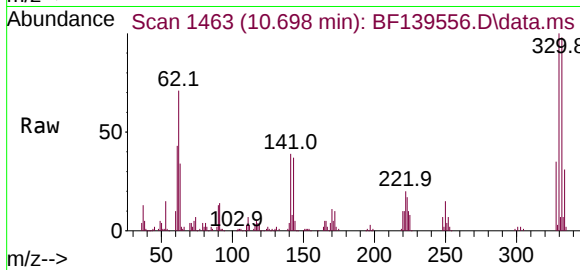




#67
4-Bromophenyl-phenylether
Concen: 3.236 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF139556.D
Acq: 26 Sep 2024 19:57

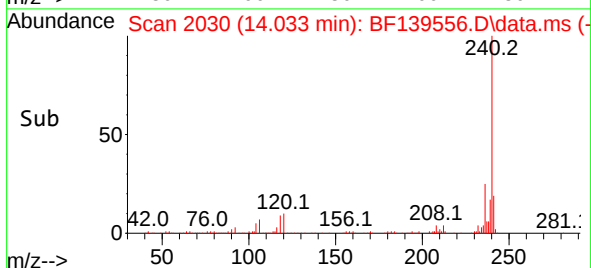
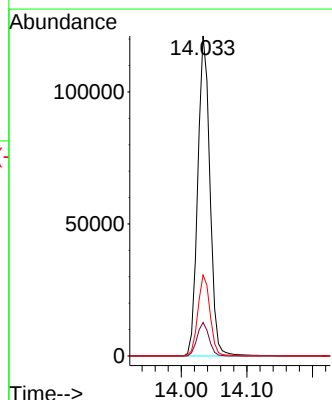
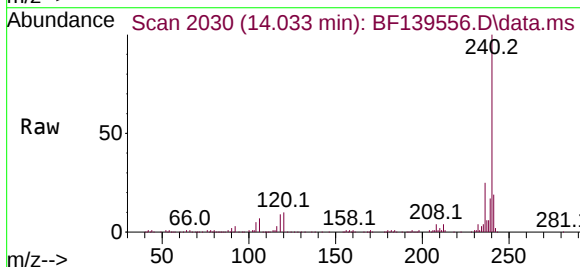
Instrument :
BNA_F
ClientSampleId :
FB-NC-SYS1

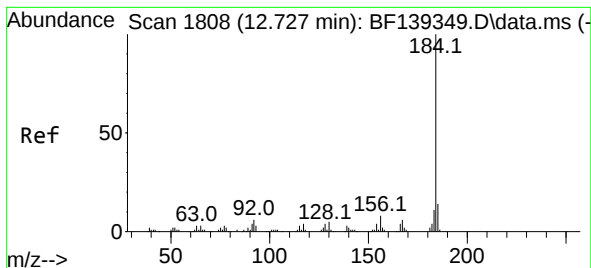
Tgt Ion:248 Resp: 7972
Ion Ratio Lower Upper
248 100
250 201.0 77.6 116.4#
141 535.9 66.9 100.3#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BF139556.D
Acq: 26 Sep 2024 19:57

Tgt Ion:240 Resp: 156570
Ion Ratio Lower Upper
240 100
120 10.4 6.2 9.2#
236 25.3 20.9 31.3





#77

Benzidine

Concen: 6.195 ng

RT: 12.980 min Scan# 1851

Delta R.T. 0.253 min

Lab File: BF139556.D

Acq: 26 Sep 2024 19:57

Instrument :

BNA_F

ClientSampleId :

FB-NC-SYS1

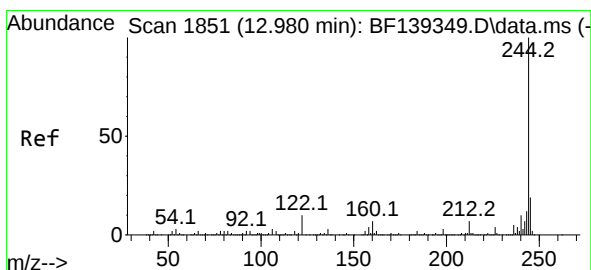
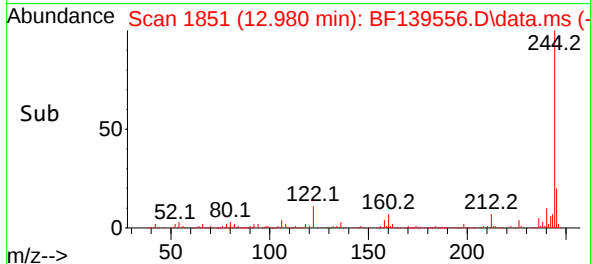
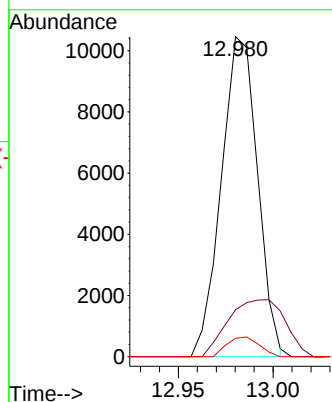
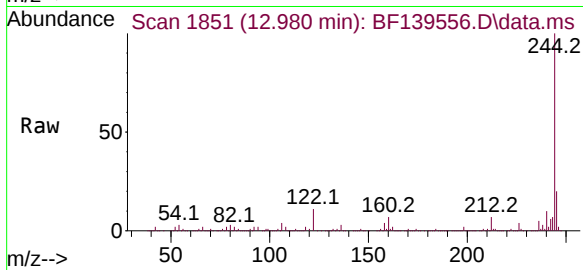
Tgt Ion:184 Resp: 13897

Ion Ratio Lower Upper

184 100

185 14.6 11.5 17.3

183 5.7 8.9 13.3#



#79

Terphenyl-d14

Concen: 101.354 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.006 min

Lab File: BF139556.D

Acq: 26 Sep 2024 19:57

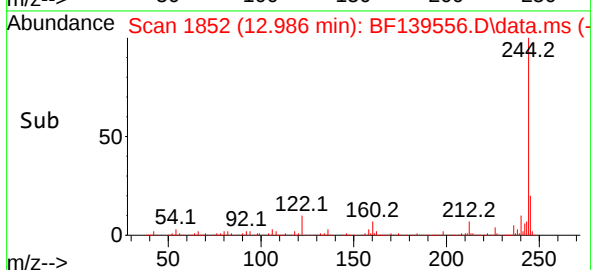
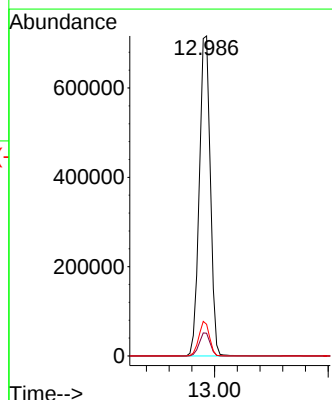
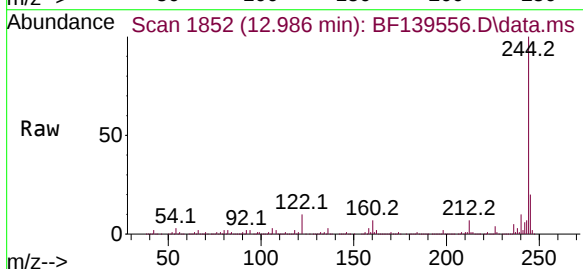
Tgt Ion:244 Resp: 966804

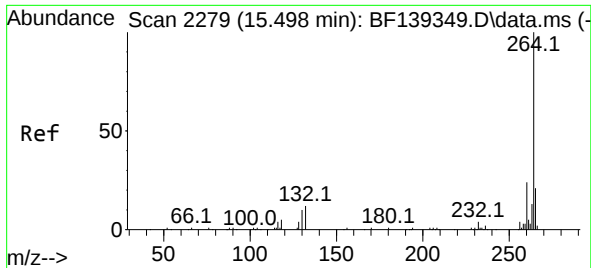
Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 9.9 7.6 11.4





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.509 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: BF139556.D
 Acq: 26 Sep 2024 19:57

Instrument :
 BNA_F
 ClientSampleId :
 FB-NC-SYS1

Tgt Ion:264 Resp: 133422
 Ion Ratio Lower Upper
 264 100
 260 22.7 19.5 29.3
 265 21.1 16.6 25.0

