

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091724\
 Data File : BF139410.D
 Acq On : 17 Sep 2024 19:01
 Operator : RC/JU
 Sample : P4002-05 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Time: Sep 18 00:47:56 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)

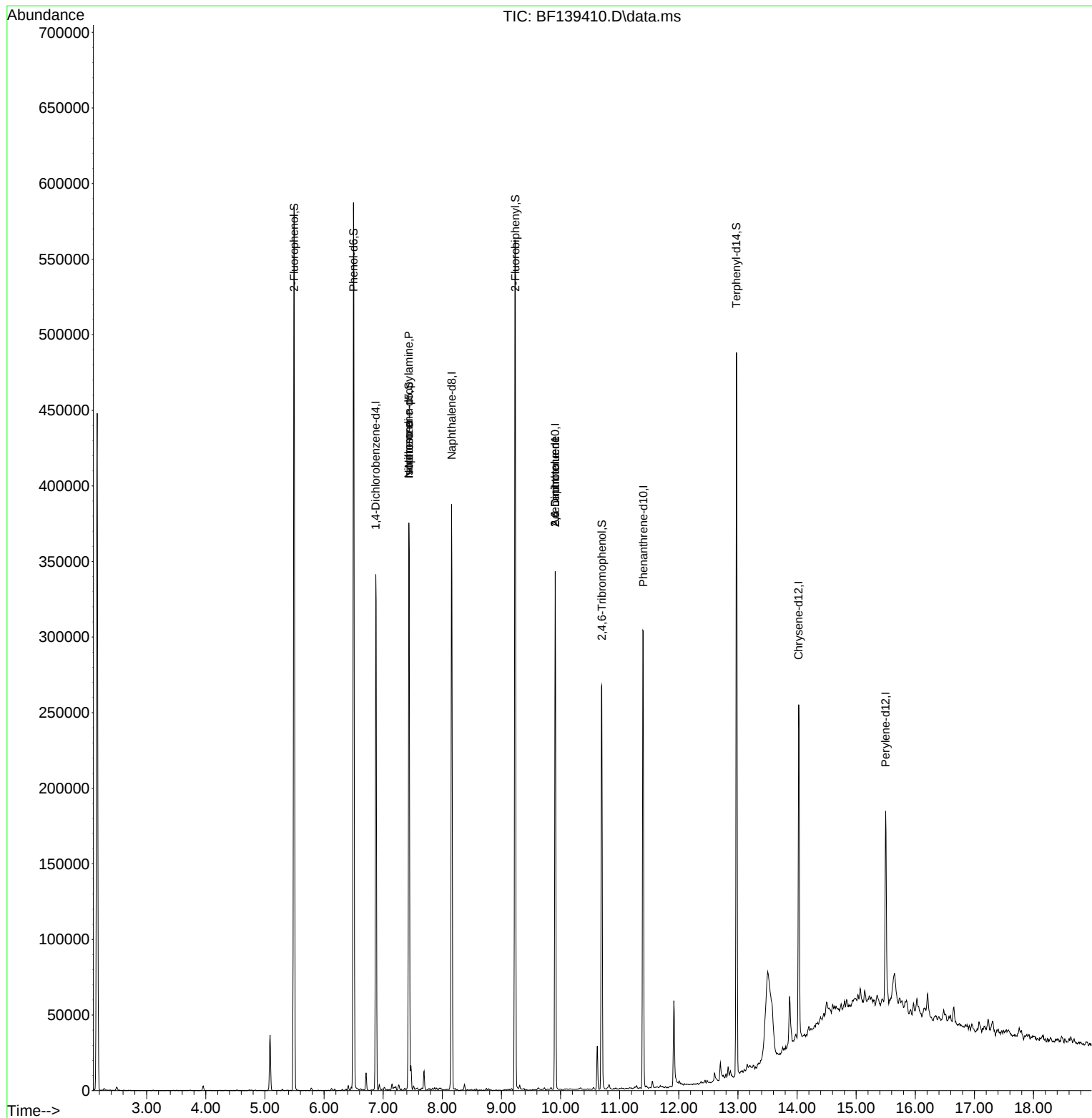
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	64359	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	219348	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	96992	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	161911	20.000	ng	0.00
76) Chrysene-d12	14.027	240	99467	20.000	ng	0.00
86) Perylene-d12	15.498	264	71993	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	177784	45.064	ng	0.00
7) Phenol-d6	6.498	99	228650	44.156	ng	0.00
23) Nitrobenzene-d5	7.434	82	153013	32.794	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	38968	37.738	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	242824	35.113	ng	0.00
79) Terphenyl-d14	12.974	244	218234	36.013	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	21572	7.030	ng	# 79
25) Isophorone	7.434	82	153009	20.736	ng	# 66
51) 2,6-Dinitrotoluene	9.910	165	11943	8.469	ng	# 14
57) 2,4-Dinitrotoluene	9.910	165	11943	6.273	ng	# 16

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

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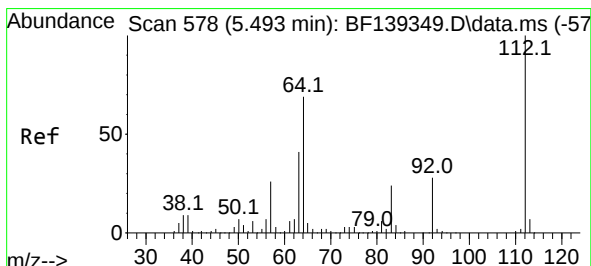
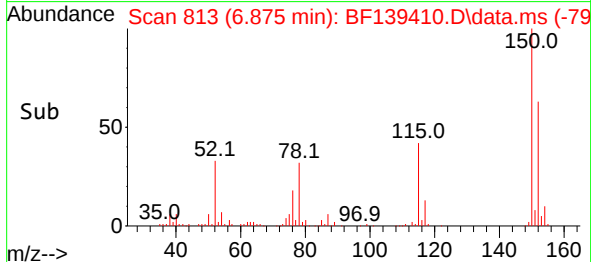
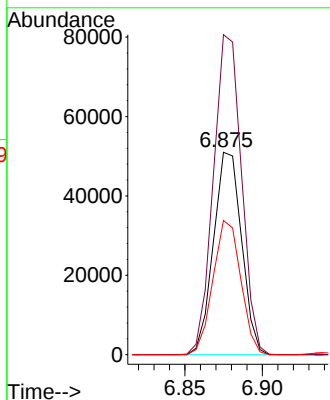
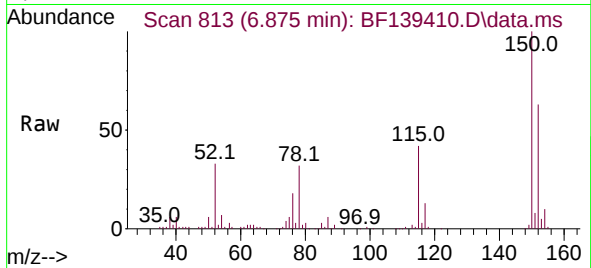




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF139410.D
Acq: 17 Sep 2024 19:01

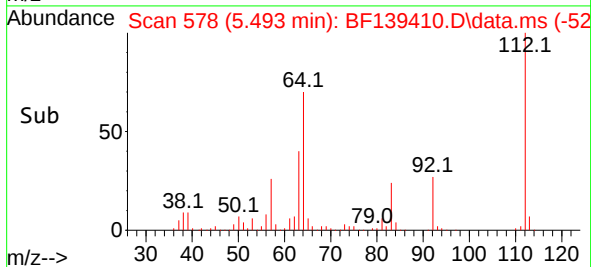
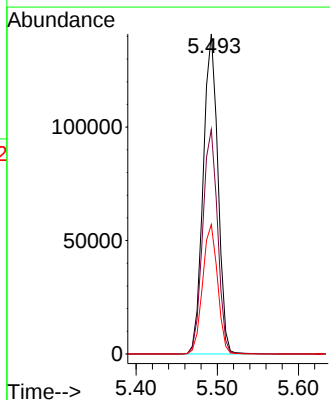
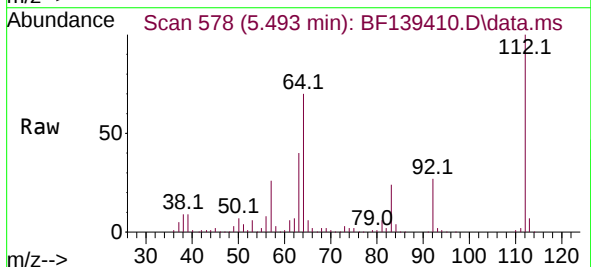
Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:152 Resp: 64359
Ion Ratio Lower Upper
152 100
150 158.1 124.1 186.1
115 66.4 48.1 72.1



#5
2-Fluorophenol
Concen: 45.064 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.000 min
Lab File: BF139410.D
Acq: 17 Sep 2024 19:01

Tgt Ion:112 Resp: 177784
Ion Ratio Lower Upper
112 100
64 70.2 54.8 82.2
63 40.4 33.0 49.4

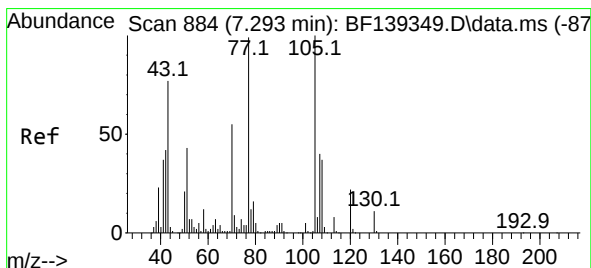
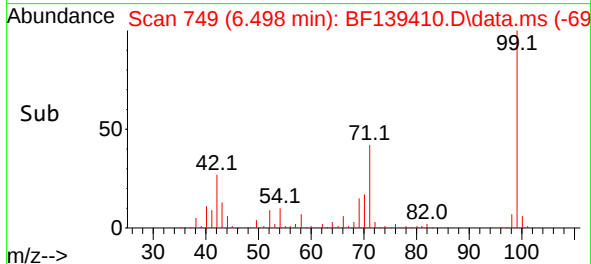
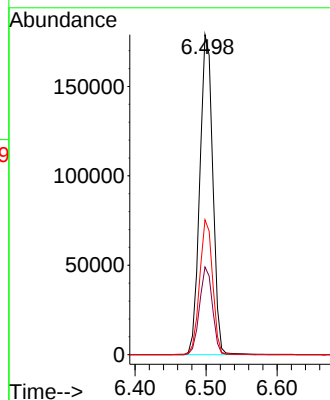
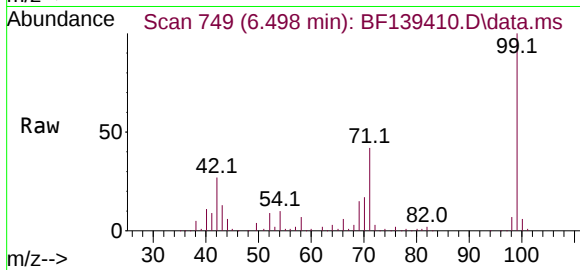




#7
Phenol-d6
Concen: 44.156 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF139410.D
Acq: 17 Sep 2024 19:01

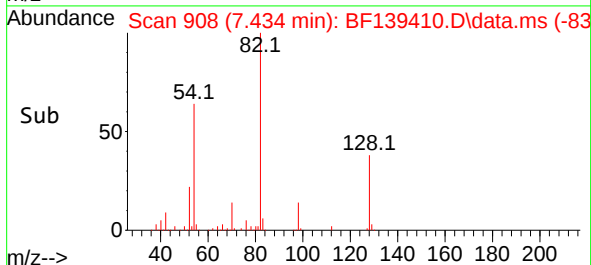
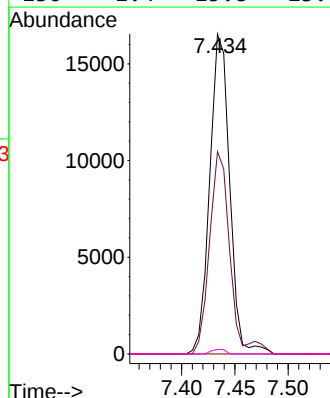
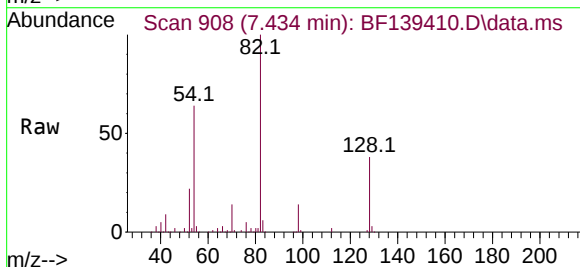
Instrument :
BNA_F
ClientSampleId :
TP-4

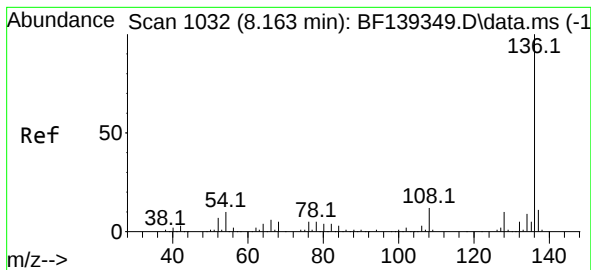
Tgt Ion: 99 Resp: 228650
Ion Ratio Lower Upper
99 100
42 27.4 21.9 32.9
71 42.2 34.6 52.0



#19
n-Nitroso-di-n-propylamine
Concen: 7.030 ng
RT: 7.434 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF139410.D
Acq: 17 Sep 2024 19:01

Tgt Ion: 70 Resp: 21572
Ion Ratio Lower Upper
70 100
42 63.2 61.2 91.8
101 0.0 7.5 11.3#
130 1.4 15.8 23.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 10

Delta R.T. -0.006 min

Lab File: BF139410.D

Acq: 17 Sep 2024 19:01

Instrument :

BNA_F

ClientSampleId :

TP-4

Tgt Ion:136 Resp: 219348

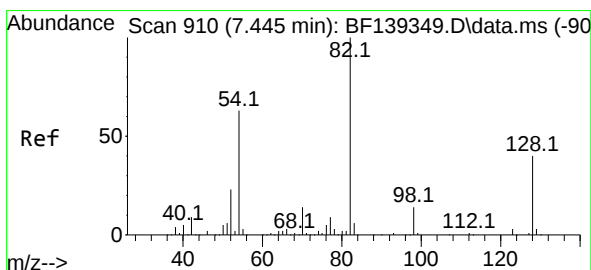
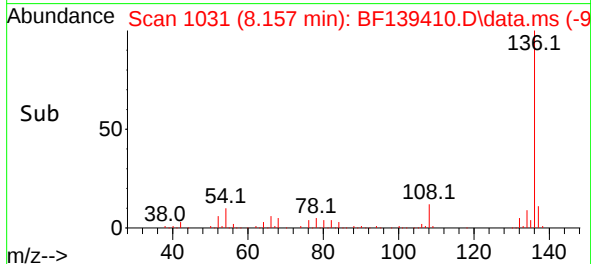
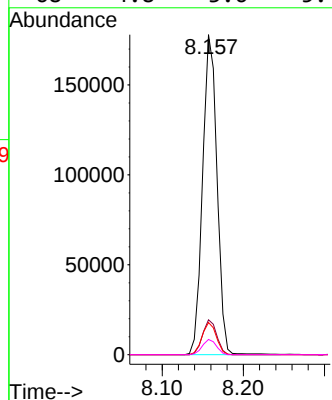
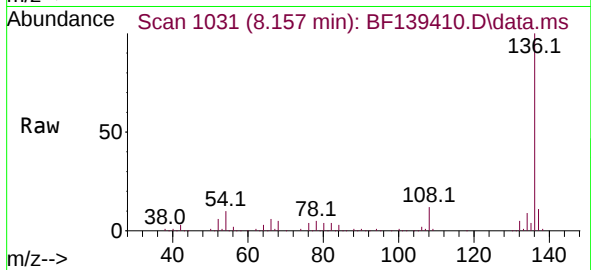
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 10.1 7.8 11.8

68 4.8 3.6 5.4



#23

Nitrobenzene-d5

Concen: 32.794 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF139410.D

Acq: 17 Sep 2024 19:01

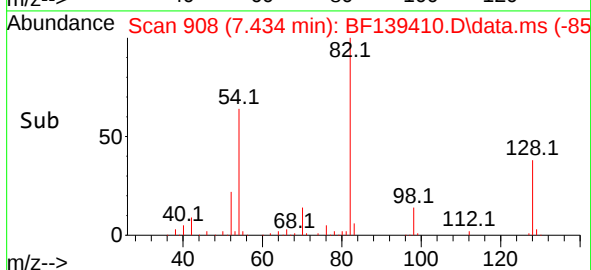
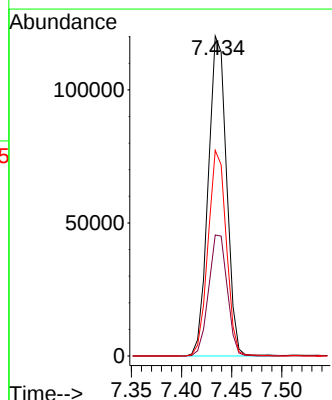
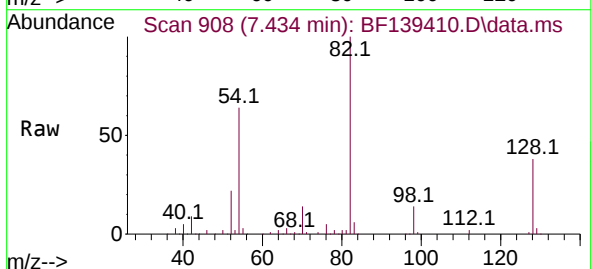
Tgt Ion: 82 Resp: 153013

Ion Ratio Lower Upper

82 100

128 37.8 31.8 47.6

54 64.3 50.6 75.8

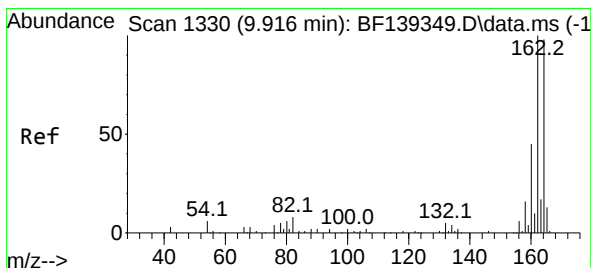
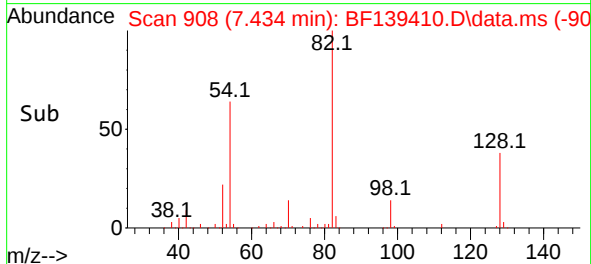
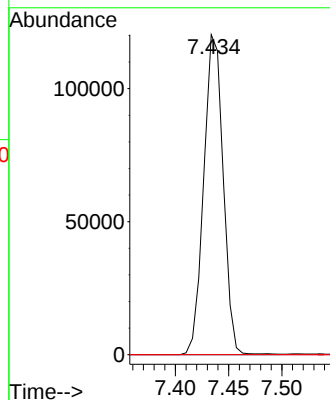
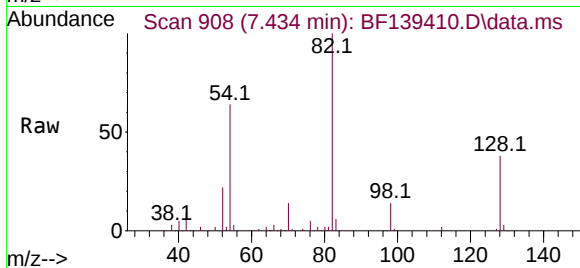




#25
Isophorone
Concen: 20.736 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF139410.D
Acq: 17 Sep 2024 19:01

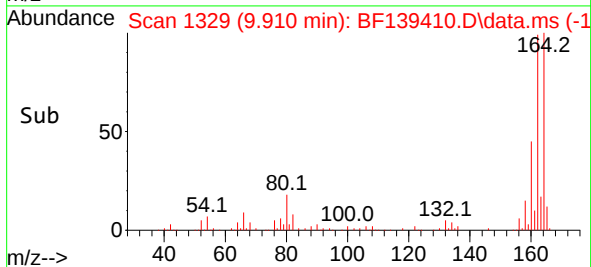
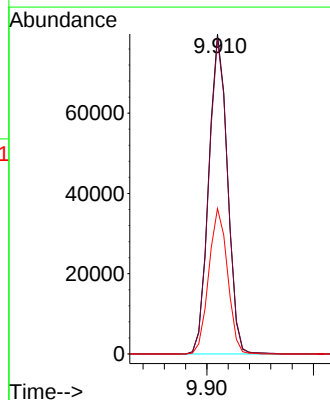
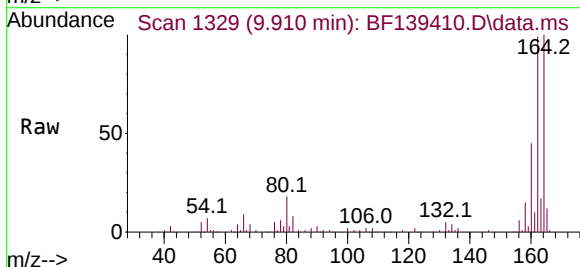
Instrument :
BNA_F
ClientSampleId :
TP-4

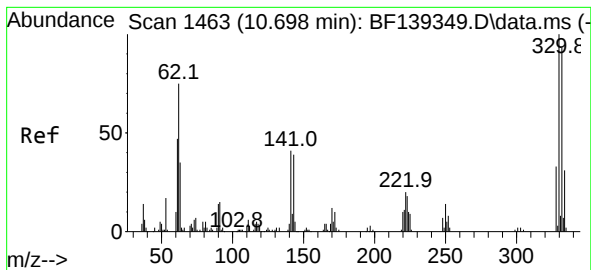
Tgt Ion: 82 Resp: 153009
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF139410.D
Acq: 17 Sep 2024 19:01

Tgt Ion:164 Resp: 96992
Ion Ratio Lower Upper
164 100
162 98.6 81.3 121.9
160 45.4 36.4 54.6

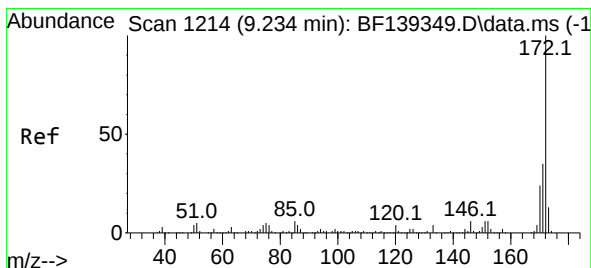
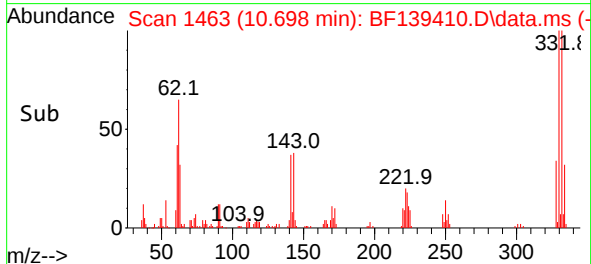
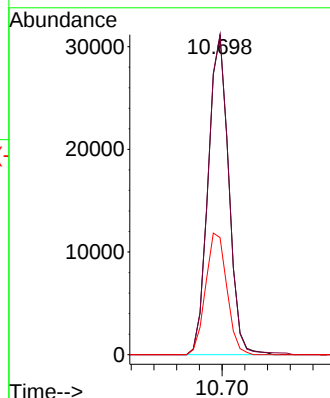
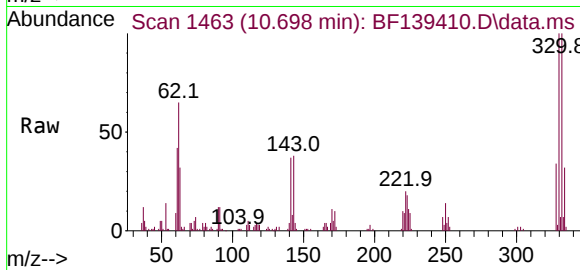




#42
2,4,6-Tribromophenol
Concen: 37.738 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.000 min
Lab File: BF139410.D
Acq: 17 Sep 2024 19:01

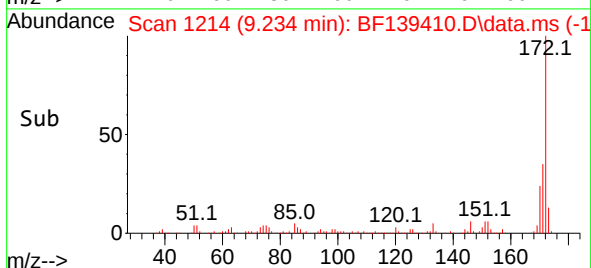
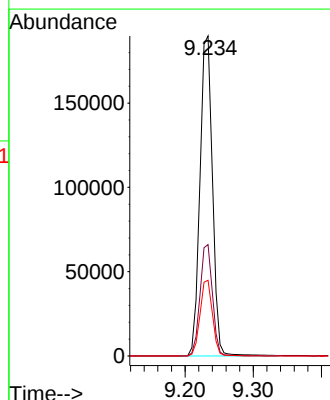
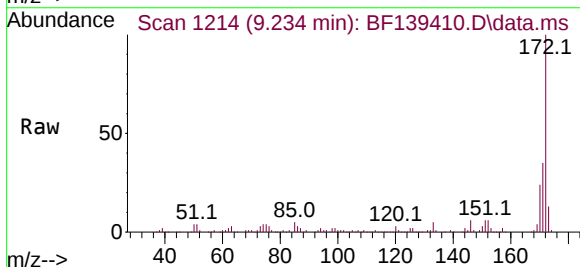
Instrument :
BNA_F
ClientSampleId :
TP-4

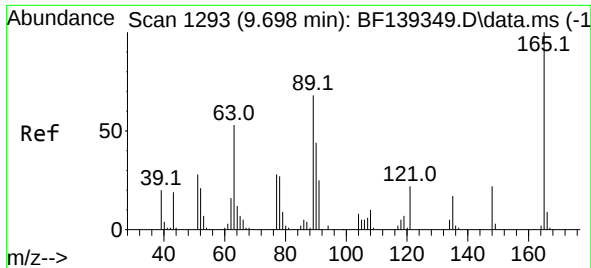
Tgt Ion: 330 Resp: 38968
Ion Ratio Lower Upper
330 100
332 100.7 75.2 112.8
141 39.4 31.2 46.8



#45
2-Fluorobiphenyl
Concen: 35.113 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139410.D
Acq: 17 Sep 2024 19:01

Tgt Ion: 172 Resp: 242824
Ion Ratio Lower Upper
172 100
171 34.8 28.3 42.5
170 23.7 19.0 28.6

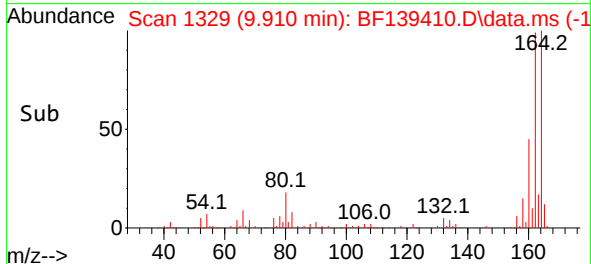
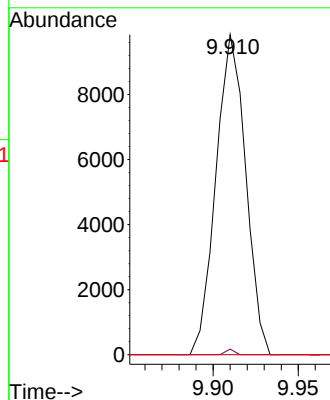
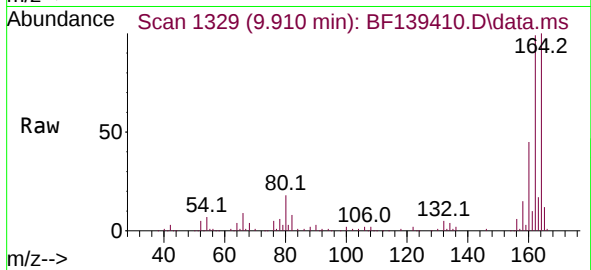




#51
2,6-Dinitrotoluene
Concen: 8.469 ng
RT: 9.910 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF139410.D
Acq: 17 Sep 2024 19:01

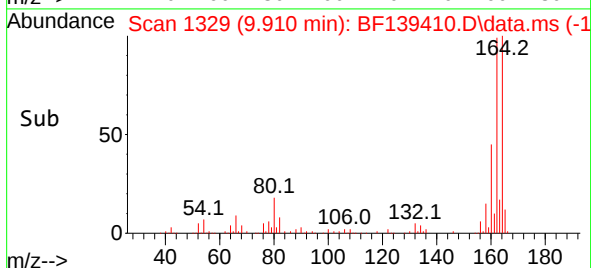
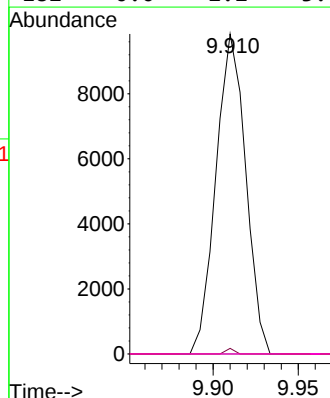
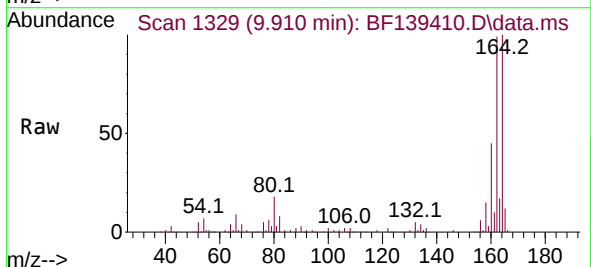
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ClientSampleId :
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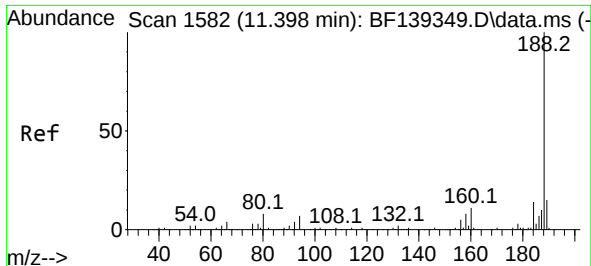
Tgt Ion:165 Resp: 11943
Ion Ratio Lower Upper
165 100
63 1.7 60.9 91.3#
89 0.0 54.7 82.1#



#57
2,4-Dinitrotoluene
Concen: 6.273 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.188 min
Lab File: BF139410.D
Acq: 17 Sep 2024 19:01

Tgt Ion:165 Resp: 11943
Ion Ratio Lower Upper
165 100
63 1.7 47.8 71.6#
89 0.0 66.7 100.1#
182 0.0 2.2 3.4#

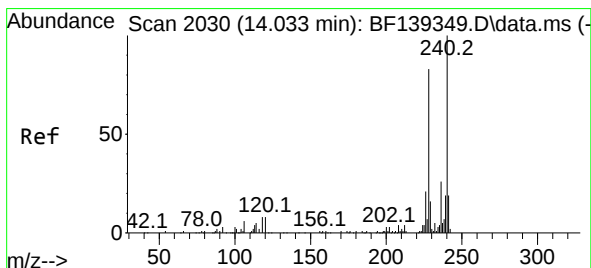
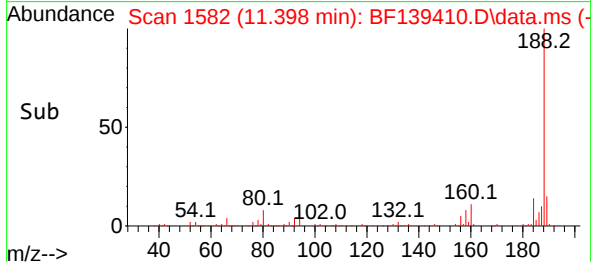
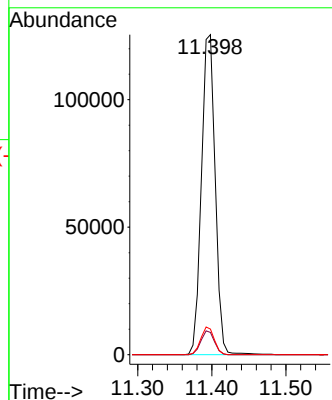
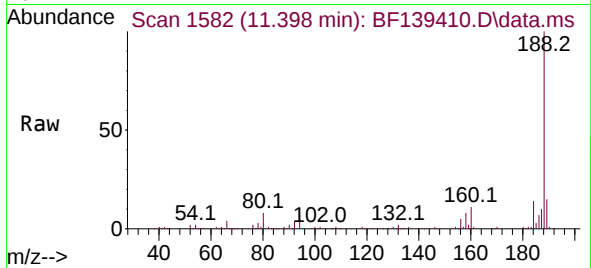




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF139410.D
Acq: 17 Sep 2024 19:01

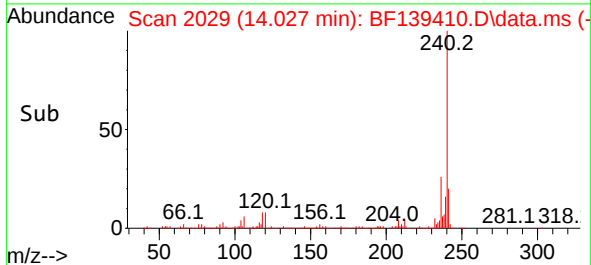
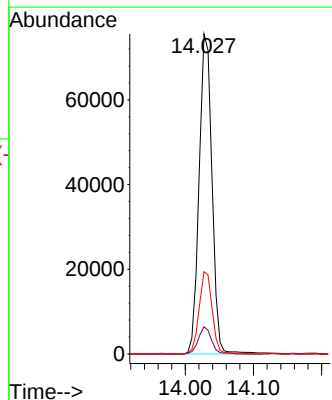
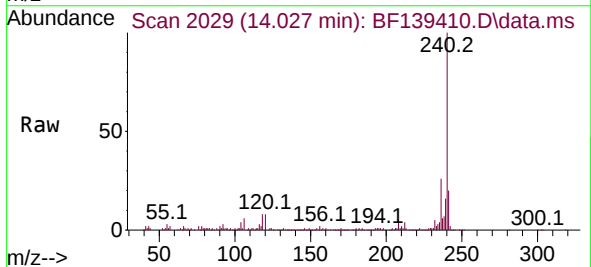
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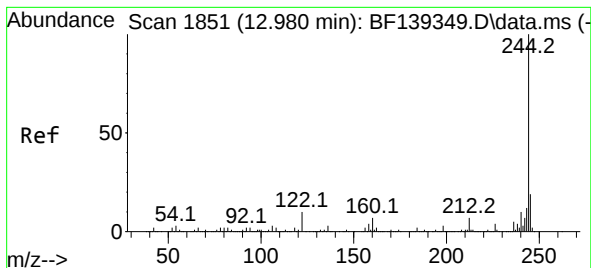
Tgt Ion:188 Resp: 161911
Ion Ratio Lower Upper
188 100
94 7.0 5.5 8.3
80 8.0 6.6 9.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF139410.D
Acq: 17 Sep 2024 19:01

Tgt Ion:240 Resp: 99467
Ion Ratio Lower Upper
240 100
120 8.5 6.2 9.2
236 25.7 20.9 31.3





#79

Terphenyl-d14

Concen: 36.013 ng

RT: 12.974 min Scan# 1850

Delta R.T. -0.006 min

Lab File: BF139410.D

Acq: 17 Sep 2024 19:01

Instrument :

BNA_F

ClientSampleId :

TP-4

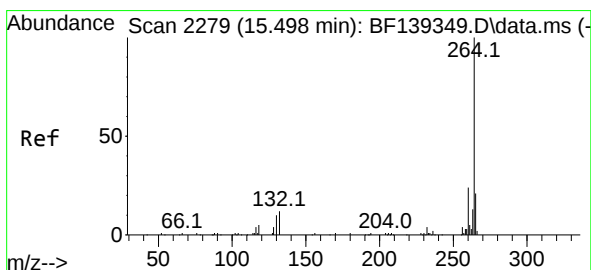
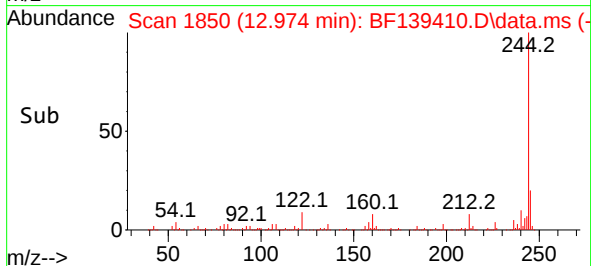
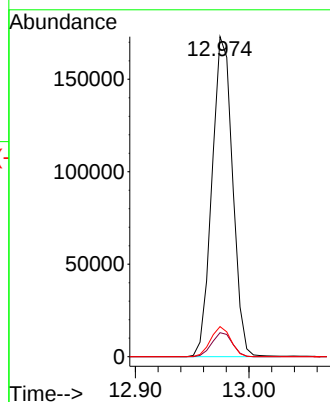
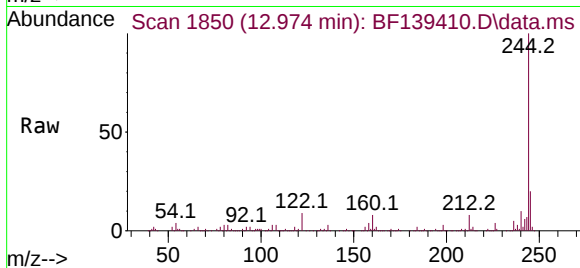
Tgt Ion:244 Resp: 218234

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

122 9.4 7.6 11.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.498 min Scan# 2279

Delta R.T. -0.000 min

Lab File: BF139410.D

Acq: 17 Sep 2024 19:01

Tgt Ion:264 Resp: 71993

Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

265 22.6 16.6 25.0

