

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101924\
 Data File : BF139890.D
 Acq On : 19 Oct 2024 23:57
 Operator : RC/JU
 Sample : P4426-09 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAD-5

Quant Time: Oct 21 01:45:57 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)

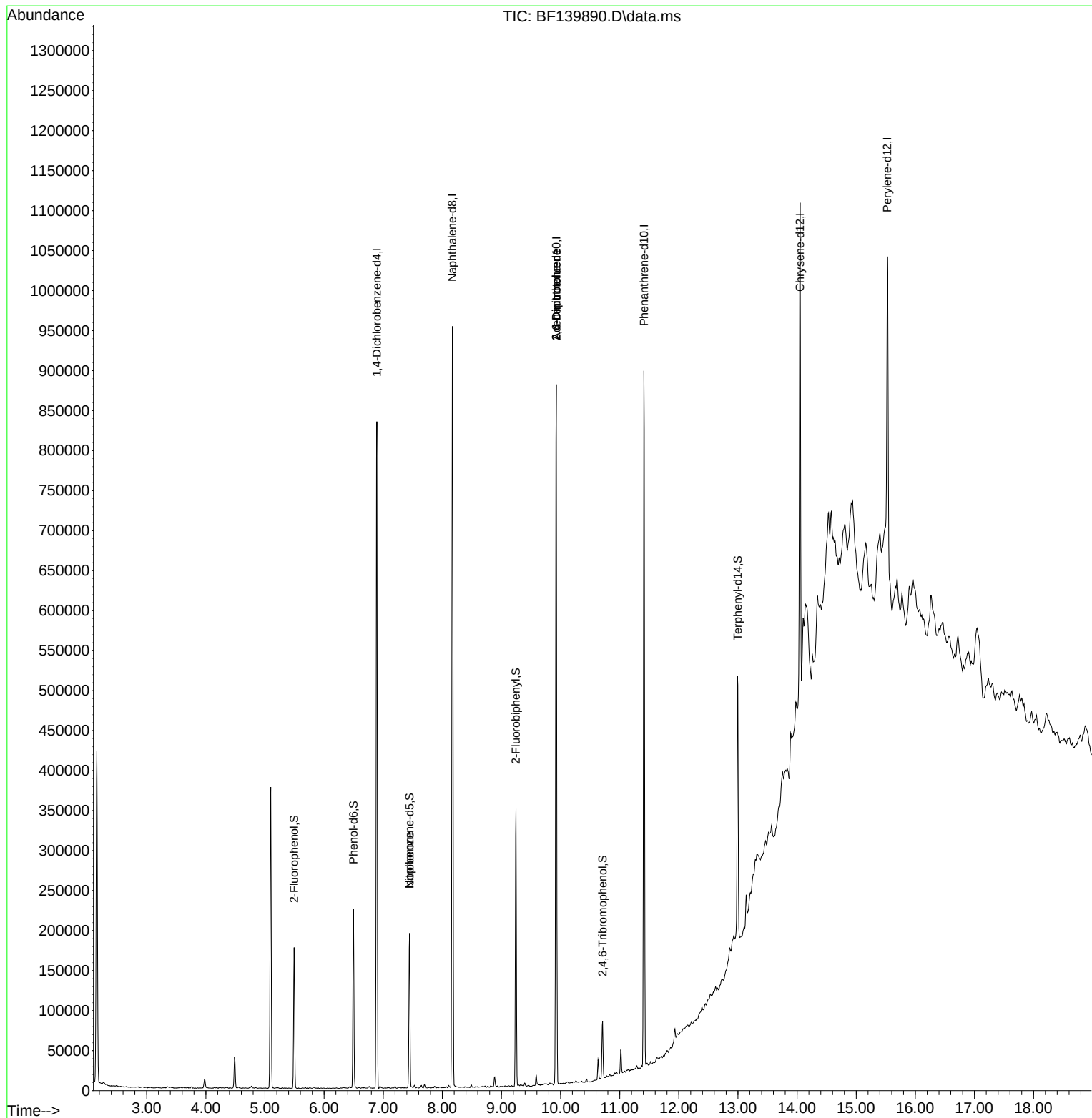
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	170997	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	573389	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	255342	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	452819	20.000	ng	0.00
76) Chrysene-d12	14.051	240	288225	20.000	ng	0.00
86) Perylene-d12	15.527	264	224163	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	58926	5.395	ng	0.00
7) Phenol-d6	6.498	99	96152	6.797	ng	-0.01
23) Nitrobenzene-d5	7.445	82	76881	7.431	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	11088	4.642	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	146897	9.508	ng	0.00
79) Terphenyl-d14	12.998	244	160831	9.093	ng	0.00
Target Compounds						
					Qvalue	
25) Isophorone	7.445	82	76880	3.915	ng	# 67
51) 2,6-Dinitrotoluene	9.928	165	32113	9.325	ng	# 22
57) 2,4-Dinitrotoluene	9.928	165	32113	7.583	ng	# 21

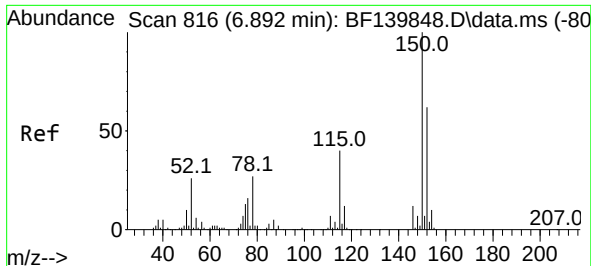
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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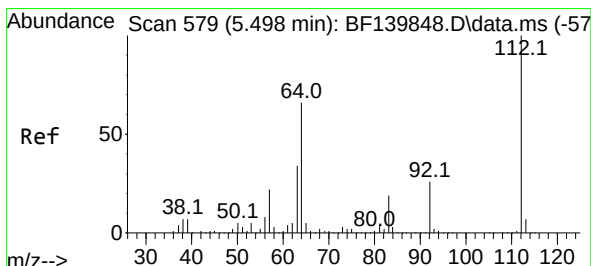
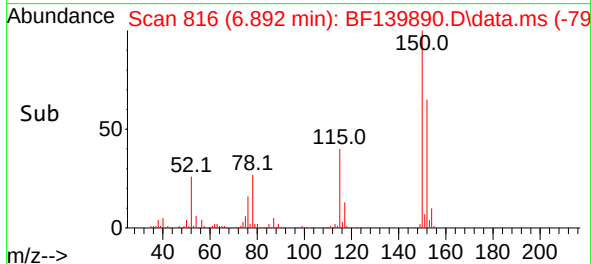
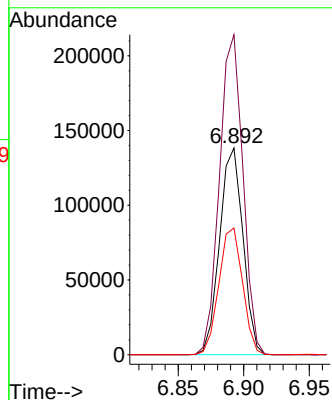
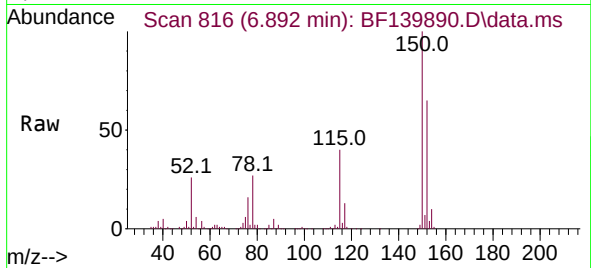




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF139890.D
Acq: 19 Oct 2024 23:57

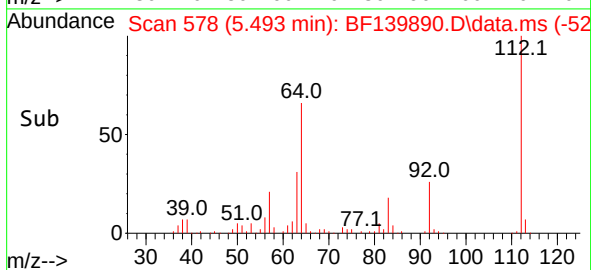
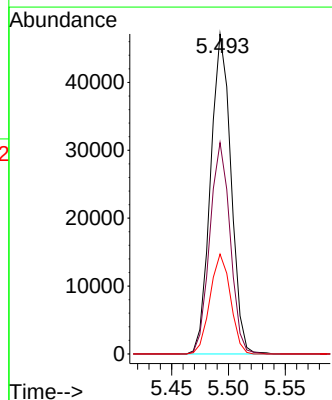
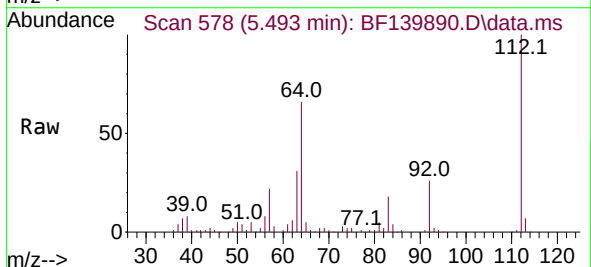
Instrument :
BNA_F
ClientSampleId :
PAD-5

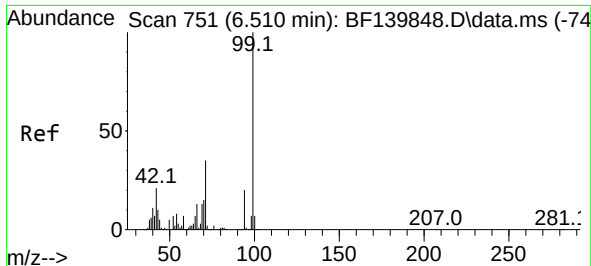
Tgt Ion:152 Resp: 170997
Ion Ratio Lower Upper
152 100
150 154.8 130.2 195.2
115 61.3 51.4 77.2



#5
2-Fluorophenol
Concen: 5.395 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF139890.D
Acq: 19 Oct 2024 23:57

Tgt Ion:112 Resp: 58926
Ion Ratio Lower Upper
112 100
64 66.1 53.0 79.6
63 31.2 27.0 40.4





#7

Phenol-d6

Concen: 6.797 ng

RT: 6.498 min Scan# 74

Delta R.T. -0.012 min

Lab File: BF139890.D

Acq: 19 Oct 2024 23:57

Instrument :

BNA_F

ClientSampleId :

PAD-5

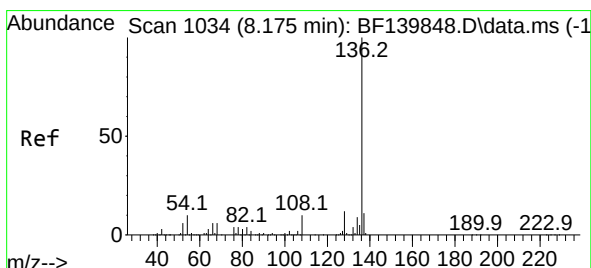
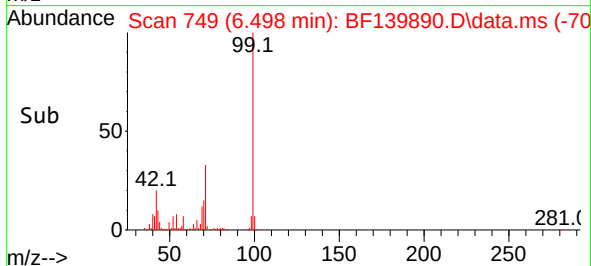
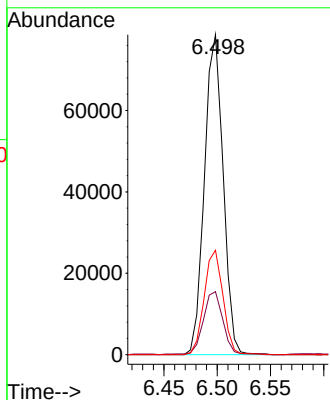
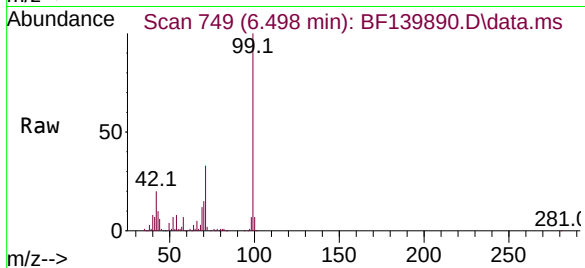
Tgt Ion: 99 Resp: 96152

Ion Ratio Lower Upper

99 100

42 19.7 16.7 25.1

71 32.7 27.7 41.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.169 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF139890.D

Acq: 19 Oct 2024 23:57

Tgt Ion:136 Resp: 573389

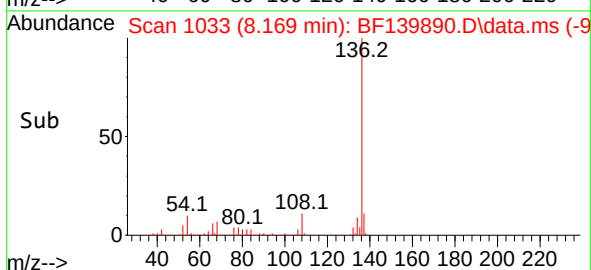
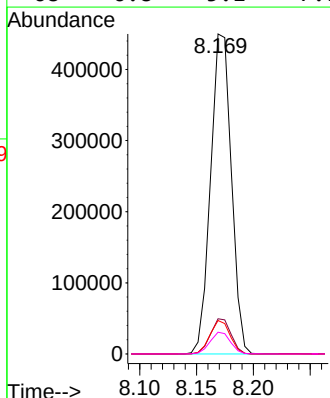
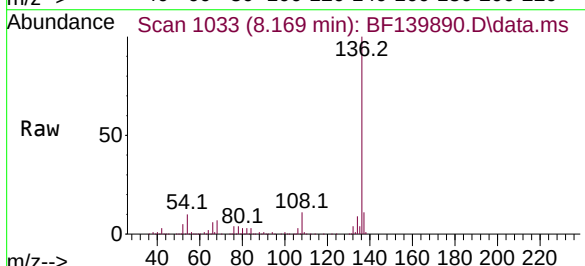
Ion Ratio Lower Upper

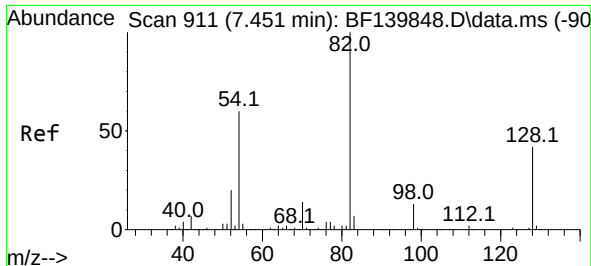
136 100

137 11.0 8.6 12.8

54 10.5 8.4 12.6

68 6.8 5.1 7.7

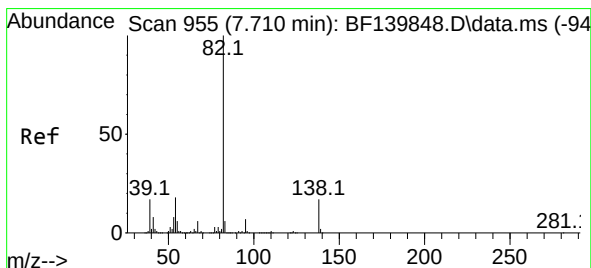
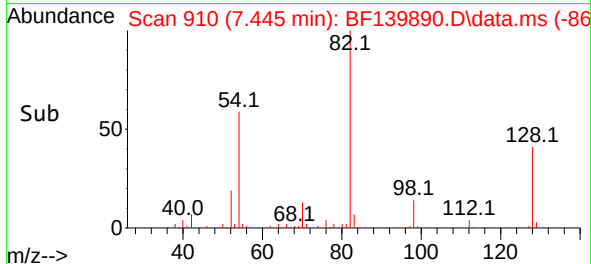
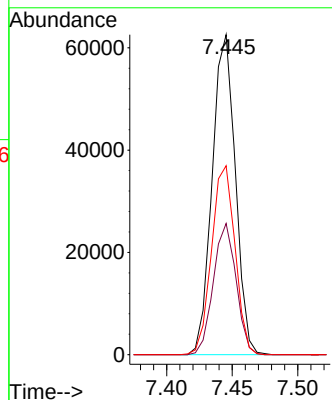
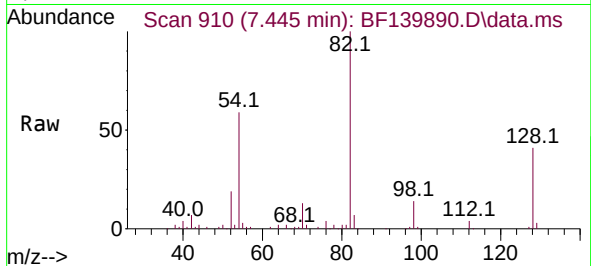




#23
Nitrobenzene-d5
Concen: 7.431 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139890.D
Acq: 19 Oct 2024 23:57

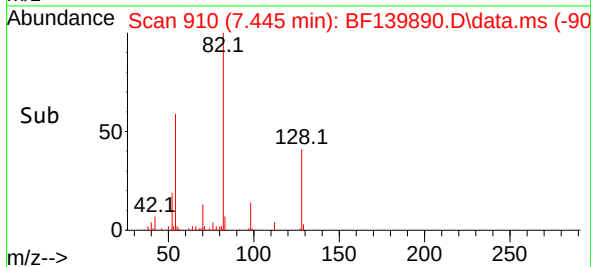
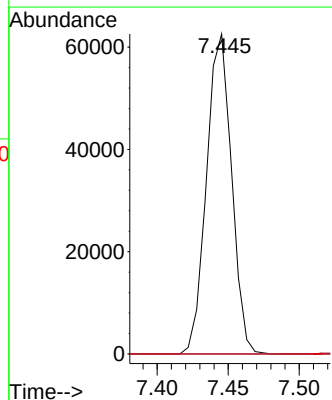
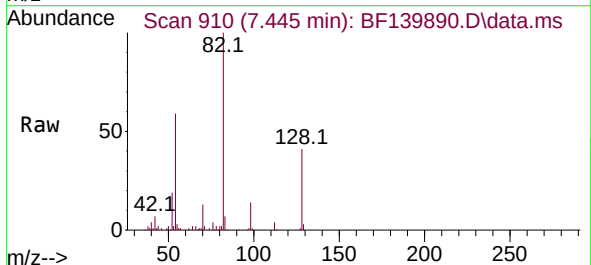
Instrument :
BNA_F
ClientSampleId :
PAD-5

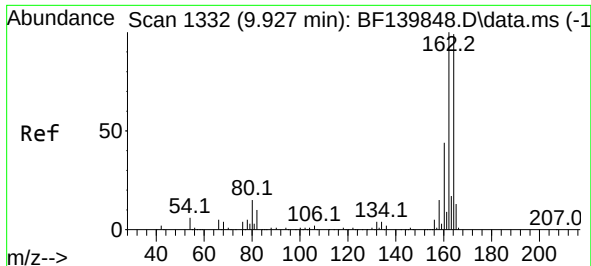
Tgt Ion: 82 Resp: 76881
Ion Ratio Lower Upper
82 100
128 41.0 33.4 50.0
54 59.1 47.8 71.8



#25
Isophorone
Concen: 3.915 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF139890.D
Acq: 19 Oct 2024 23:57

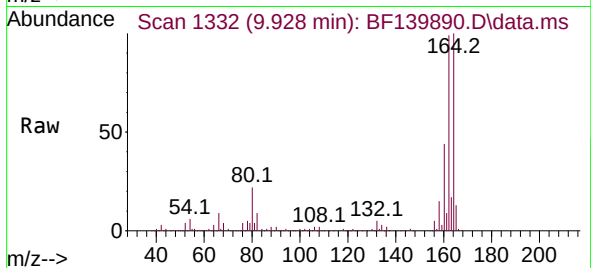
Tgt Ion: 82 Resp: 76880
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



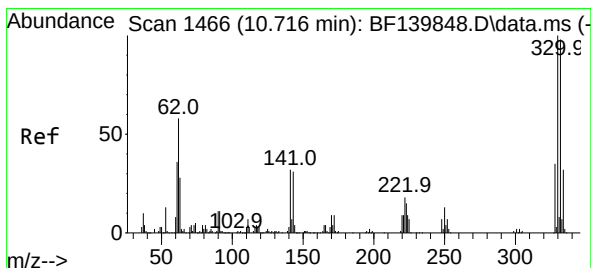
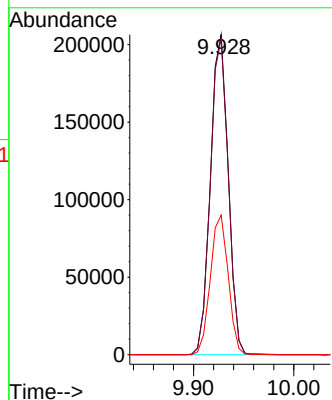
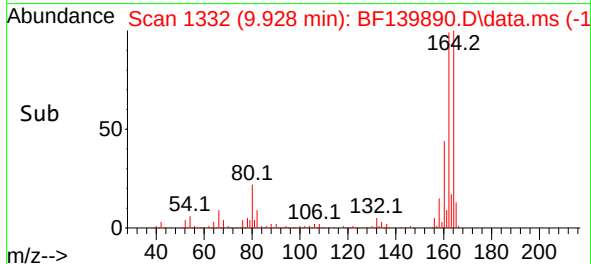


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF139890.D
Acq: 19 Oct 2024 23:57

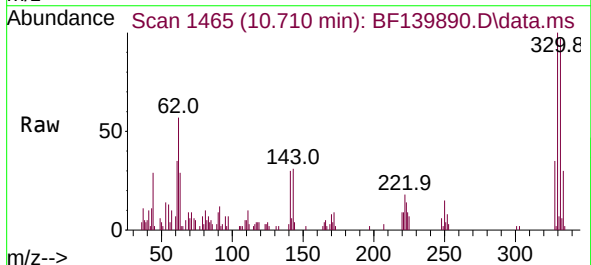
Instrument :
BNA_F
ClientSampleId :
PAD-5



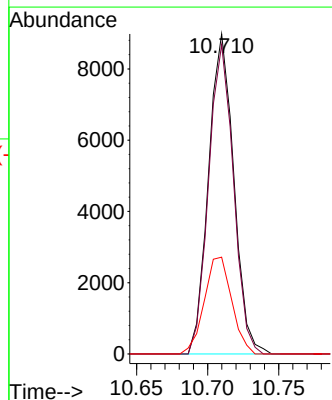
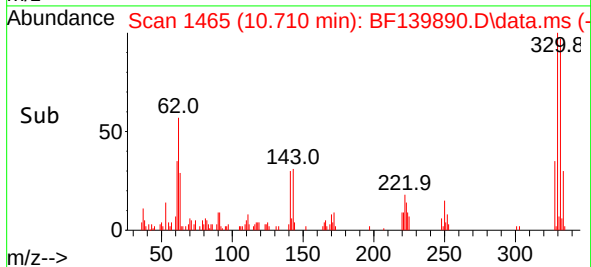
Tgt Ion:164 Resp: 255342
Ion Ratio Lower Upper
164 100
162 98.7 81.0 121.4
160 43.6 35.4 53.0

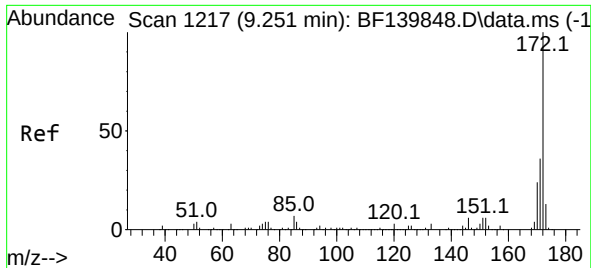


#42
2,4,6-Tribromophenol
Concen: 4.642 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.006 min
Lab File: BF139890.D
Acq: 19 Oct 2024 23:57



Tgt Ion:330 Resp: 11088
Ion Ratio Lower Upper
330 100
332 94.7 78.1 117.1
141 32.9 26.6 39.8

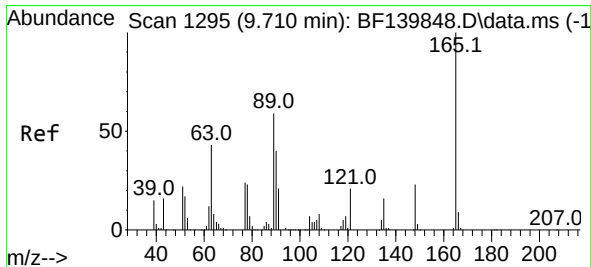
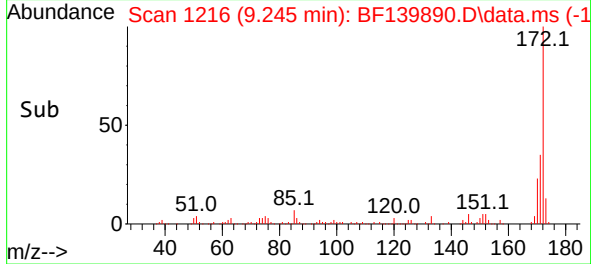
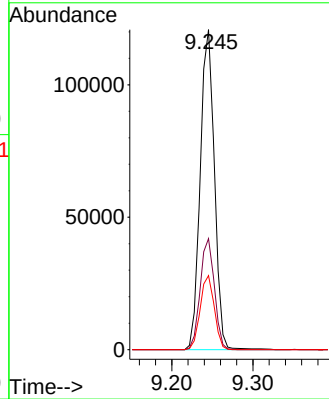
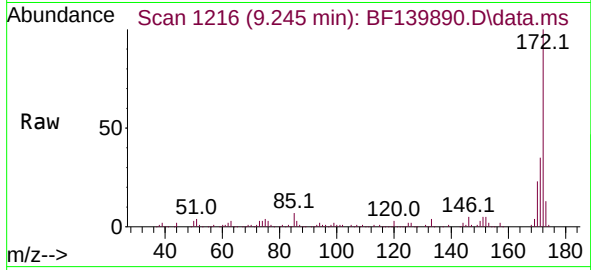




#45
2-Fluorobiphenyl
Concen: 9.508 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139890.D
Acq: 19 Oct 2024 23:57

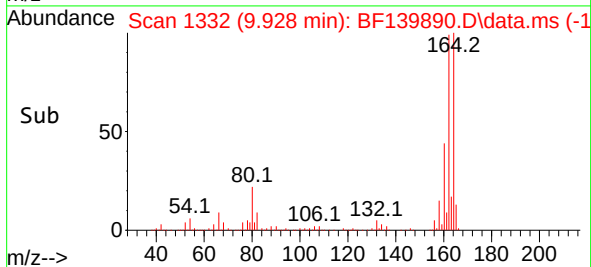
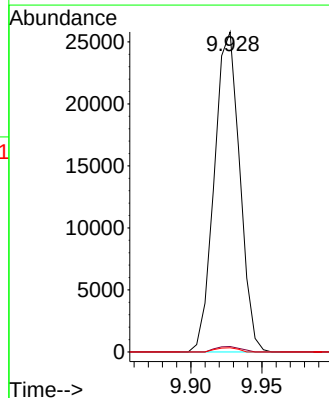
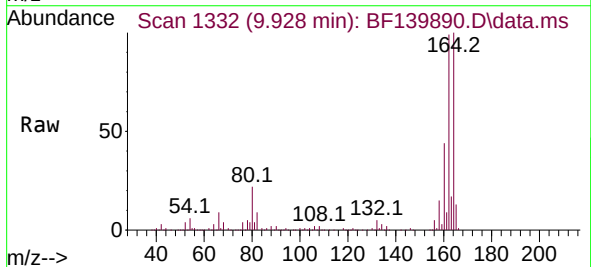
Instrument :
BNA_F
ClientSampleId :
PAD-5

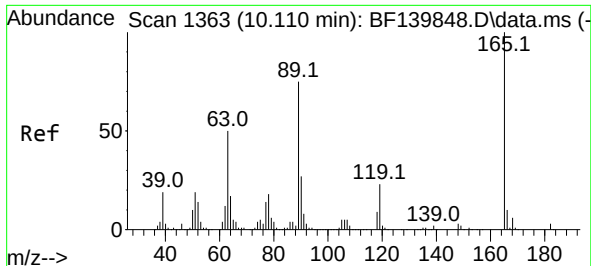
Tgt Ion:172 Resp: 146897
Ion Ratio Lower Upper
172 100
171 34.7 28.6 43.0
170 23.2 19.1 28.7



#51
2,6-Dinitrotoluene
Concen: 9.325 ng
RT: 9.928 min Scan# 1332
Delta R.T. 0.218 min
Lab File: BF139890.D
Acq: 19 Oct 2024 23:57

Tgt Ion:165 Resp: 32113
Ion Ratio Lower Upper
165 100
63 1.7 50.6 75.8#
89 1.3 47.5 71.3#

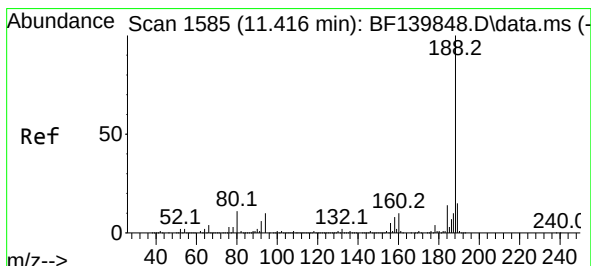
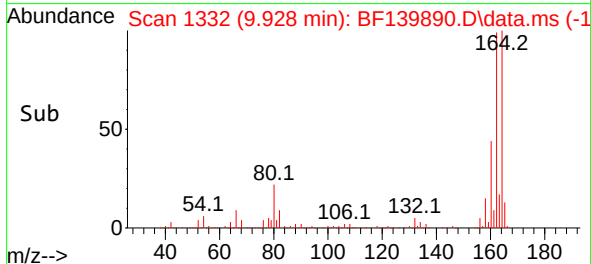
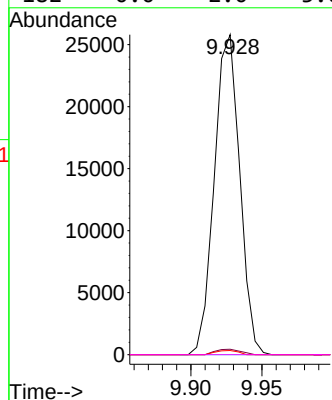
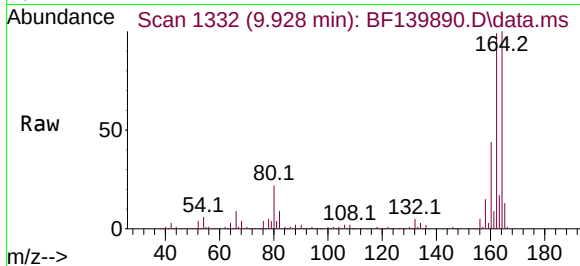




#57
2,4-Dinitrotoluene
Concen: 7.583 ng
RT: 9.928 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF139890.D
Acq: 19 Oct 2024 23:57

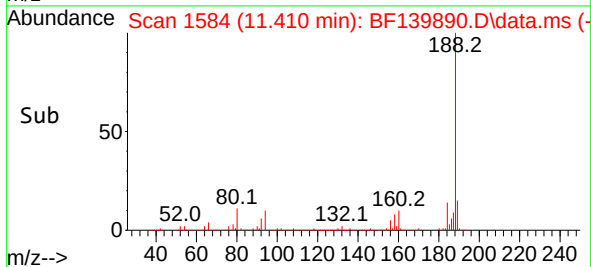
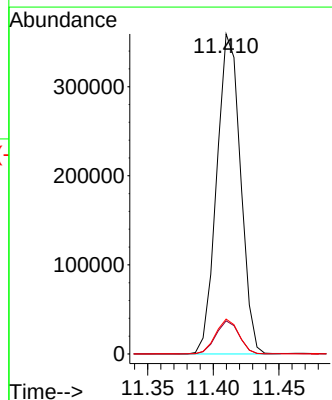
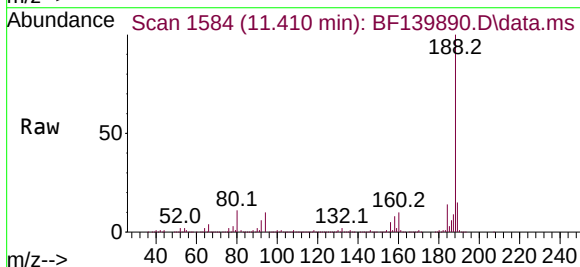
Instrument :
BNA_F
ClientSampleId :
PAD-5

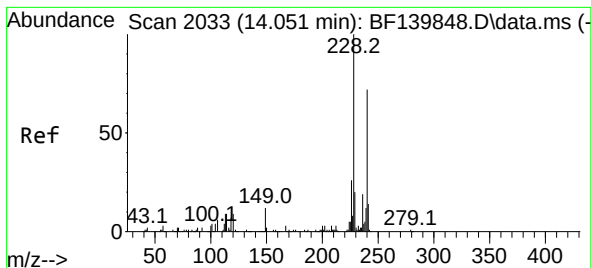
Tgt Ion:165 Resp: 32113
Ion Ratio Lower Upper
165 100
63 1.7 40.1 60.1#
89 1.3 60.4 90.6#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF139890.D
Acq: 19 Oct 2024 23:57

Tgt Ion:188 Resp: 452819
Ion Ratio Lower Upper
188 100
94 10.3 7.9 11.9
80 10.9 9.0 13.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF139890.D

Acq: 19 Oct 2024 23:57

Instrument :

BNA_F

ClientSampleId :

PAD-5

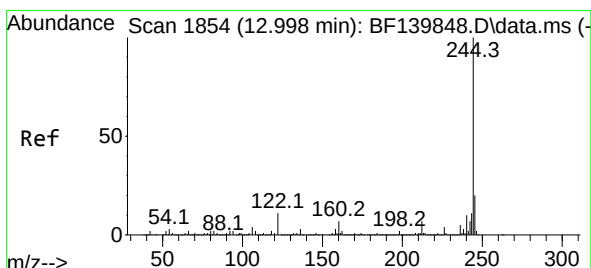
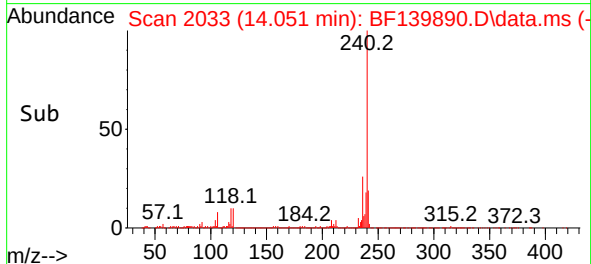
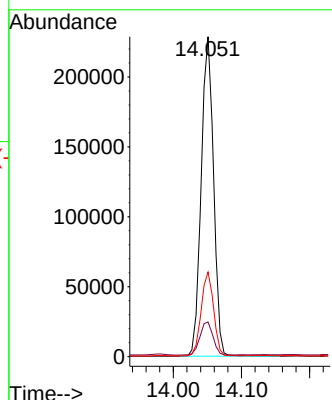
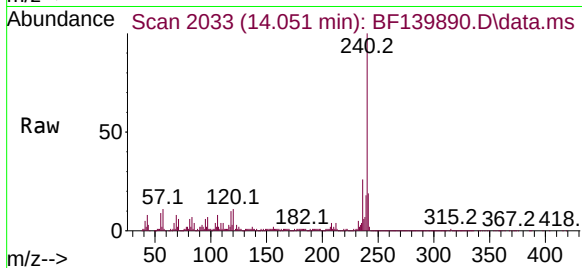
Tgt Ion:240 Resp: 288225

Ion Ratio Lower Upper

240 100

120 10.9 9.4 14.2

236 26.5 20.9 31.3



#79

Terphenyl-d14

Concen: 9.093 ng

RT: 12.998 min Scan# 1854

Delta R.T. 0.000 min

Lab File: BF139890.D

Acq: 19 Oct 2024 23:57

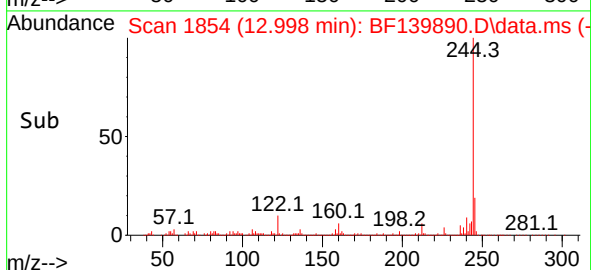
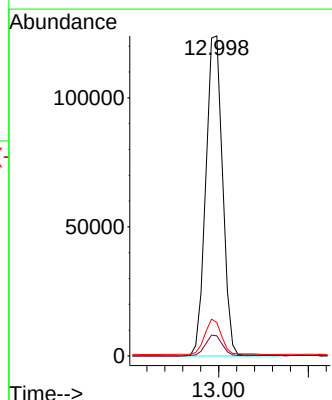
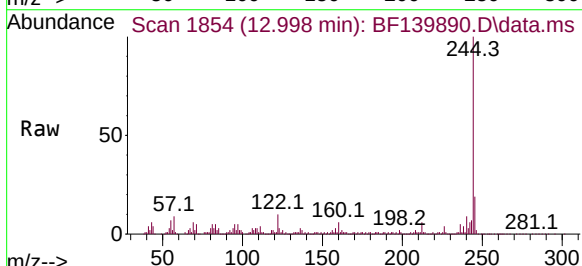
Tgt Ion:244 Resp: 160831

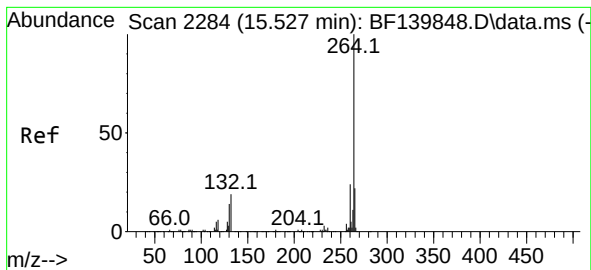
Ion Ratio Lower Upper

244 100

212 6.3 5.7 8.5

122 10.4 8.6 13.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF139890.D
Acq: 19 Oct 2024 23:57

Instrument :
BNA_F
ClientSampleId :
PAD-5

Tgt Ion:264 Resp: 224163

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.2
265	22.1	17.4	26.0

