

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100423\
 Data File : BF135579.D
 Acq On : 04 Oct 2023 20:08
 Operator : CG\JU
 Sample : 04651-01MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP1-COMPMSD

Quant Time: Oct 04 23:27:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

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

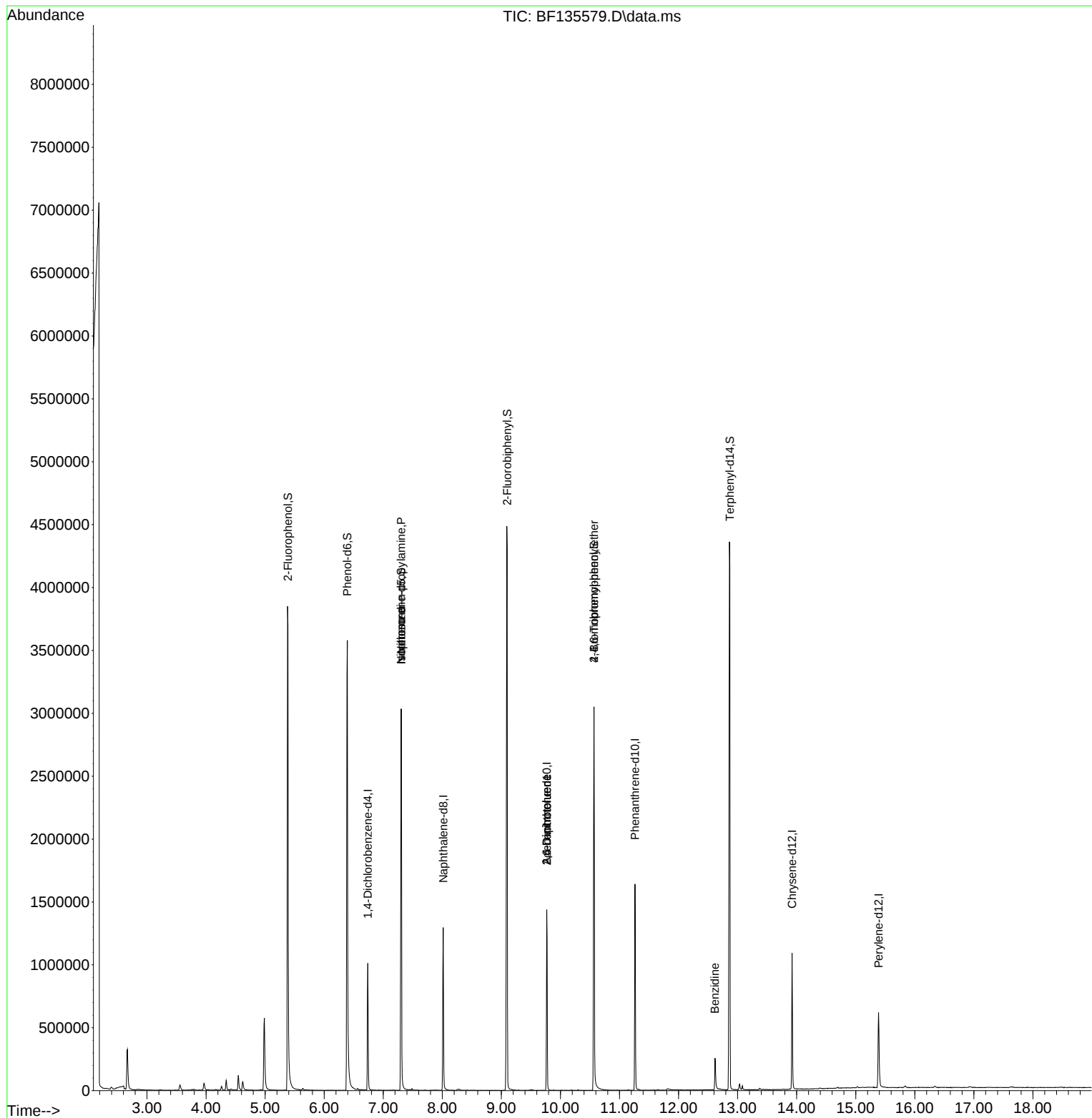
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	146260	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	580914	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	293127	20.000	ng	0.00
64) Phenanthrene-d10	11.263	188	584294	20.000	ng	# 0.00
76) Chrysene-d12	13.921	240	336129	20.000	ng	0.00
86) Perylene-d12	15.386	264	294168	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	1178718	131.076	ng	0.02
7) Phenol-d6	6.392	99	1396095	122.094	ng	0.00
23) Nitrobenzene-d5	7.304	82	1016763	95.092	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	388380	133.328	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1676635	86.296	ng	0.00
79) Terphenyl-d14	12.868	244	1874716	86.460	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.304	70	134884	19.044	ng	# 80
25) Isophorone	7.304	82	1016754	51.785	ng	# 65
51) 2,6-Dinitrotoluene	9.769	165	37138	8.554	ng	# 17
57) 2,4-Dinitrotoluene	9.769	165	37138	6.833	ng	# 19
67) 4-Bromophenyl-phenylether	10.569	248	24223	4.168	ng	# 1
77) Benzydine	12.616	184	133295	19.357	ng	98

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

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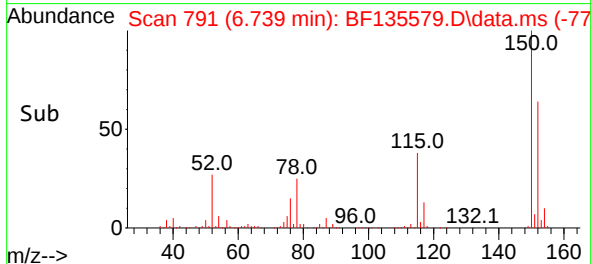
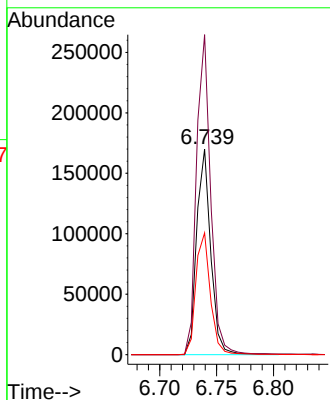
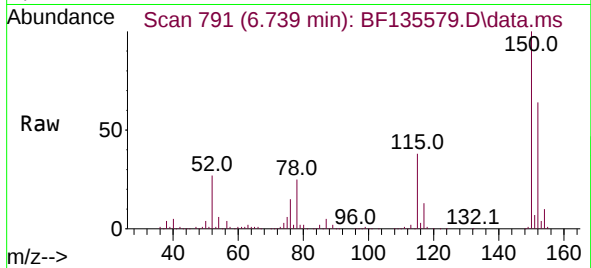




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135579.D
Acq: 04 Oct 2023 20:08

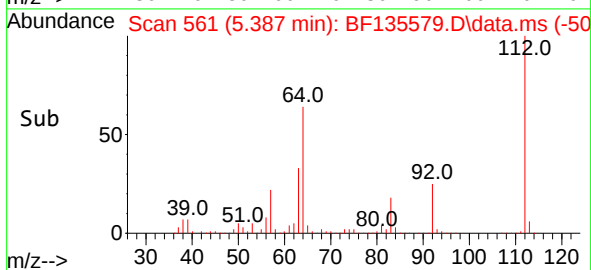
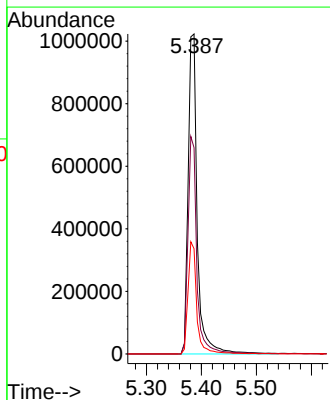
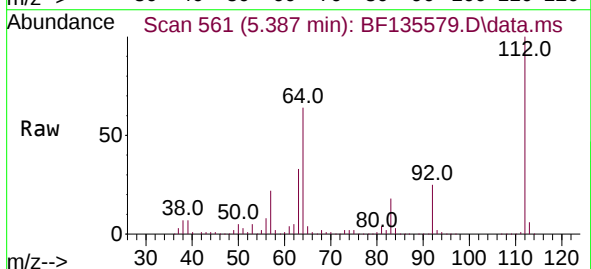
Instrument :
BNA_F
ClientSampleId :
SP1-COMPMSD

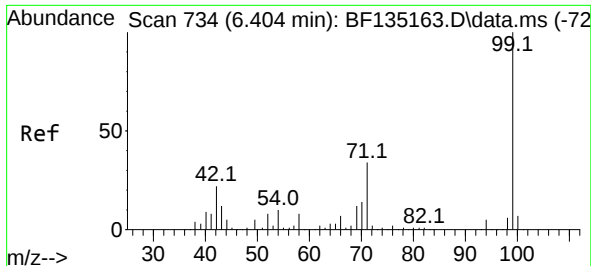
Tgt Ion:152 Resp: 146260
Ion Ratio Lower Upper
152 100
150 155.6 127.8 191.6
115 59.3 49.8 74.8



#5
2-Fluorophenol
Concen: 131.076 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.018 min
Lab File: BF135579.D
Acq: 04 Oct 2023 20:08

Tgt Ion:112 Resp: 1178718
Ion Ratio Lower Upper
112 100
64 64.5 55.9 83.9
63 32.9 29.0 43.6

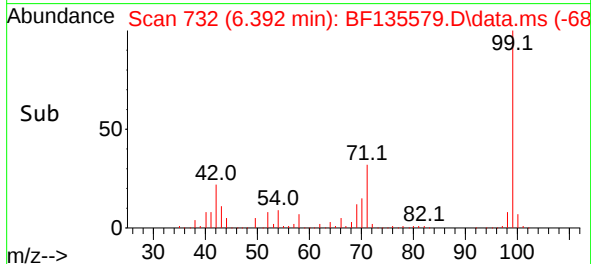
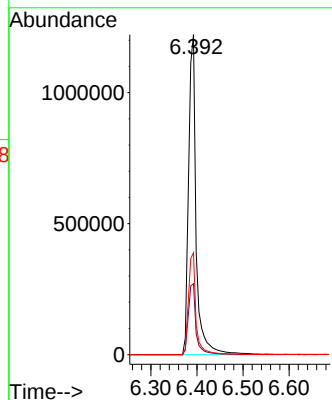
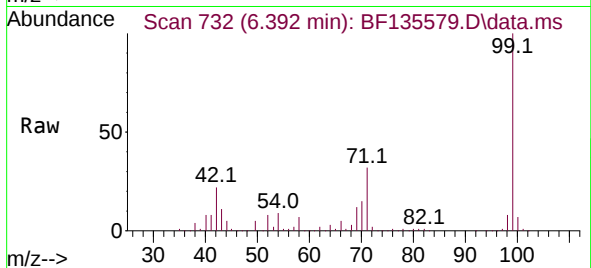




#7
Phenol-d6
Concen: 122.094 ng
RT: 6.392 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135579.D
Acq: 04 Oct 2023 20:08

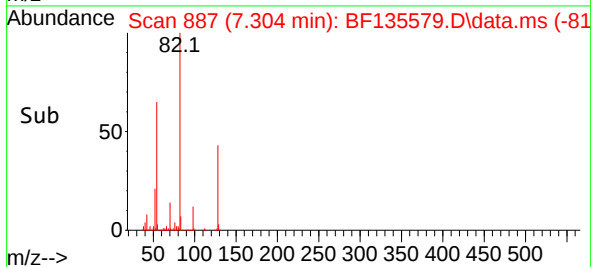
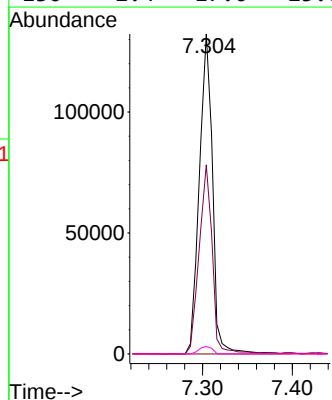
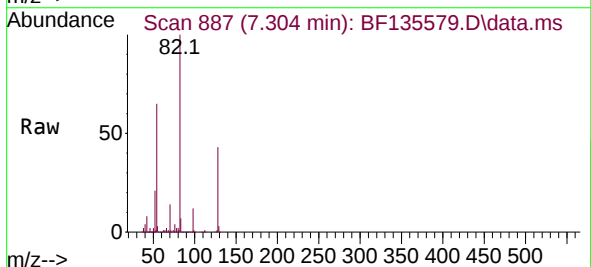
Instrument :
BNA_F
ClientSampleId :
SP1-COMPMSD

Tgt Ion: 99 Resp: 1396095
Ion Ratio Lower Upper
99 100
42 22.1 17.9 26.9
71 31.8 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 19.044 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.147 min
Lab File: BF135579.D
Acq: 04 Oct 2023 20:08

Tgt Ion: 70 Resp: 134884
Ion Ratio Lower Upper
70 100
42 59.1 55.4 83.0
101 0.0 7.7 11.5#
130 2.4 17.0 25.6#

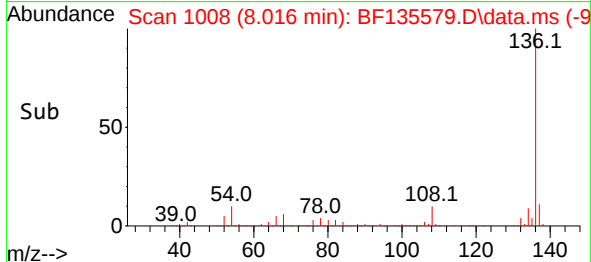
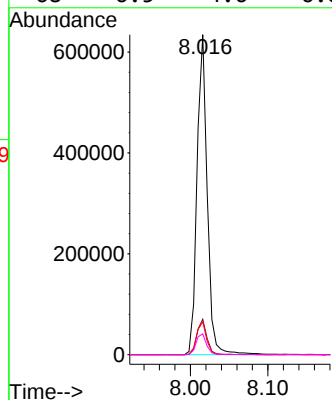
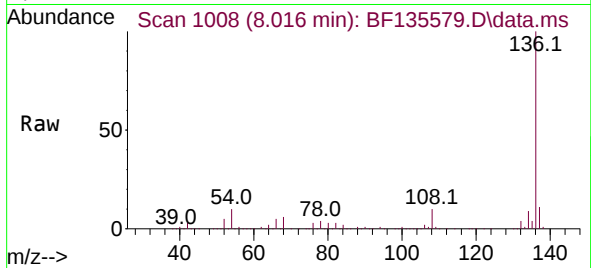




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF135579.D
Acq: 04 Oct 2023 20:08

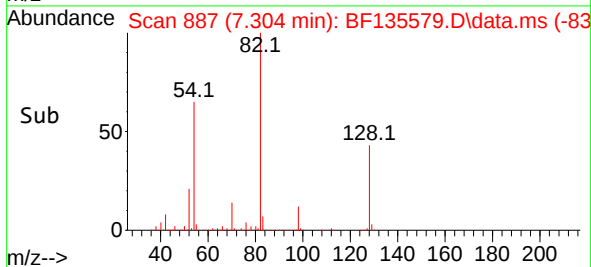
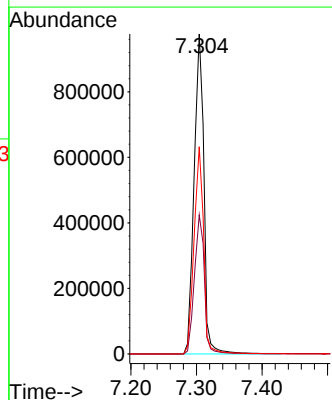
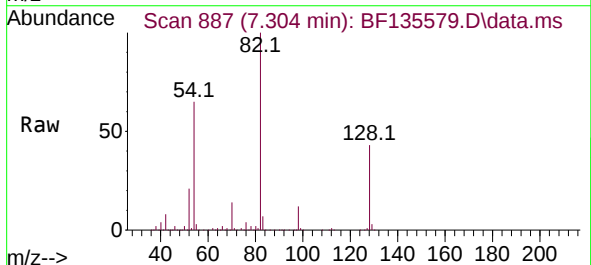
Instrument :
BNA_F
ClientSampleId :
SP1-COMPMSD

Tgt Ion:136 Resp: 580914
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 10.2 7.7 11.5
68 6.5 4.6 6.8



#23
Nitrobenzene-d5
Concen: 95.092 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF135579.D
Acq: 04 Oct 2023 20:08

Tgt Ion: 82 Resp: 1016763
Ion Ratio Lower Upper
82 100
128 43.5 35.8 53.6
54 64.8 50.6 76.0

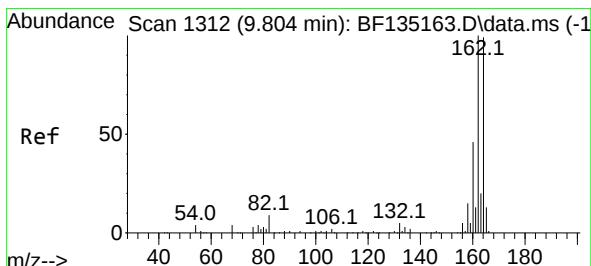
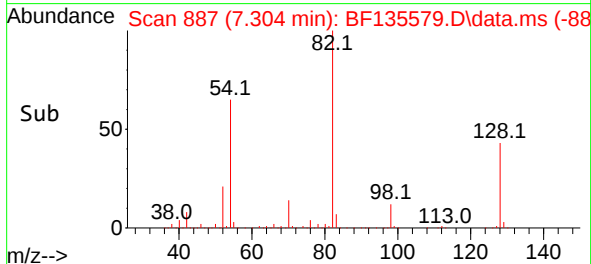
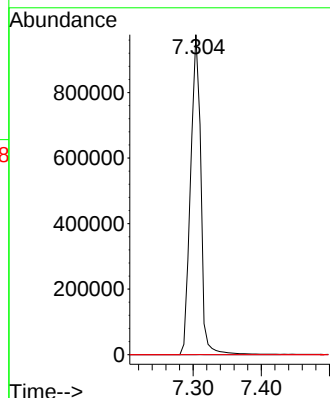
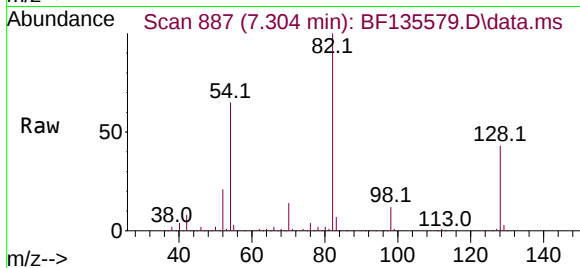




#25
Isophorone
Concen: 51.785 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF135579.D
Acq: 04 Oct 2023 20:08

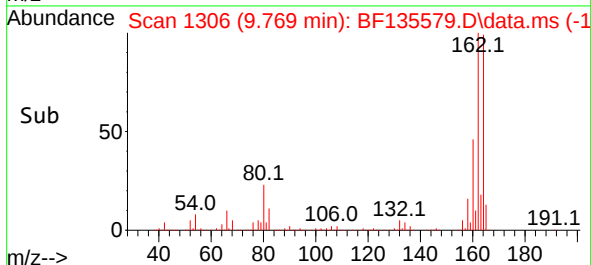
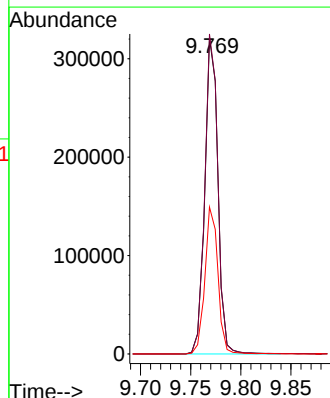
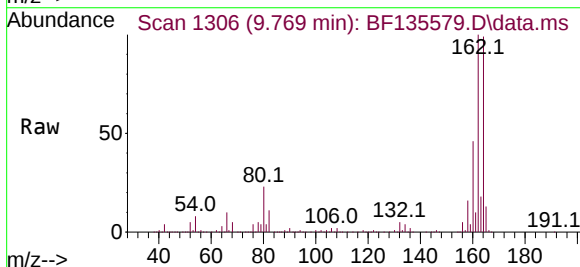
Instrument :
BNA_F
ClientSampleId :
SP1-COMPMSD

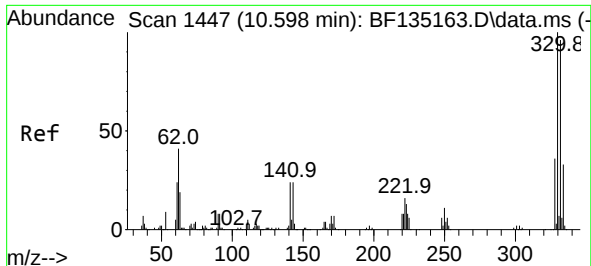
Tgt Ion: 82 Resp: 1016754
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF135579.D
Acq: 04 Oct 2023 20:08

Tgt Ion:164 Resp: 293127
Ion Ratio Lower Upper
164 100
162 101.3 81.0 121.4
160 46.5 37.0 55.4

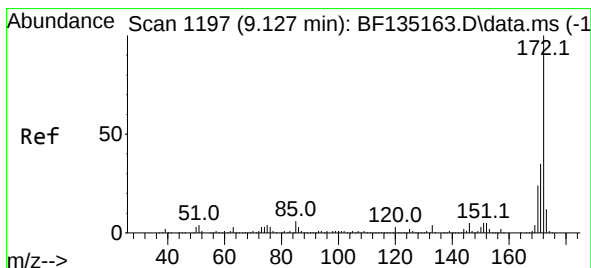
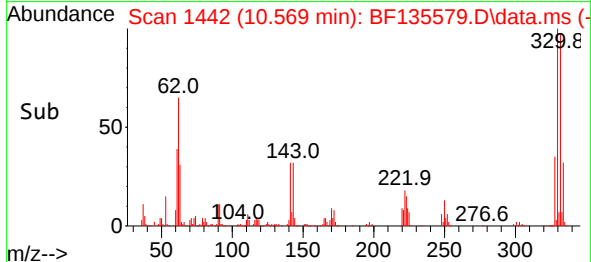
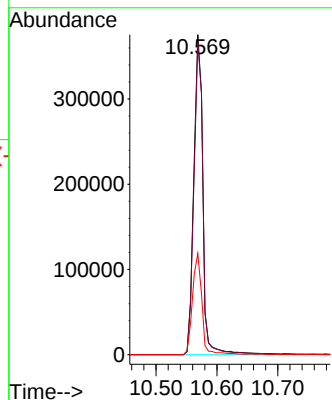
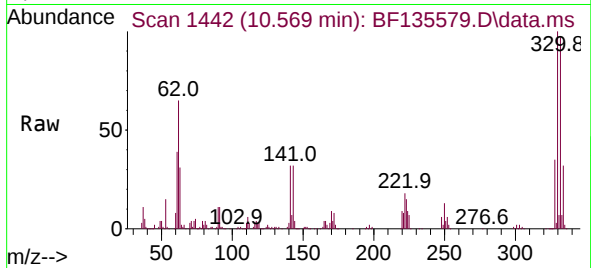




#42
2,4,6-Tribromophenol
Concen: 133.328 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF135579.D
Acq: 04 Oct 2023 20:08

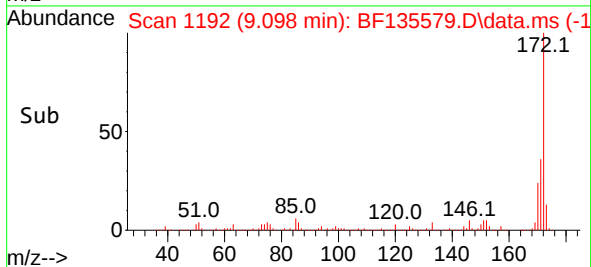
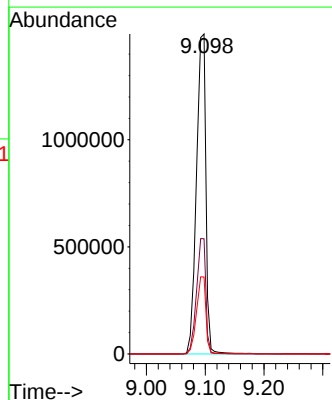
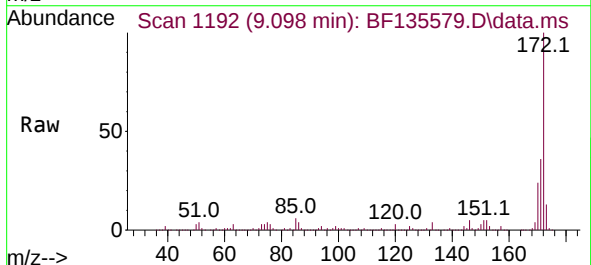
Instrument :
BNA_F
ClientSampleId :
SP1-COMPMSD

Tgt Ion:330 Resp: 388380
Ion Ratio Lower Upper
330 100
332 97.1 77.3 115.9
141 33.2 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 86.296 ng
RT: 9.098 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BF135579.D
Acq: 04 Oct 2023 20:08

Tgt Ion:172 Resp: 1676635
Ion Ratio Lower Upper
172 100
171 36.0 28.4 42.6
170 24.1 19.0 28.4





#51

2,6-Dinitrotoluene

Concen: 8.554 ng

RT: 9.769 min Scan# 1

Delta R.T. 0.194 min

Lab File: BF135579.D

Acq: 04 Oct 2023 20:08

Instrument :

BNA_F

ClientSampleId :

SP1-COMPMSD

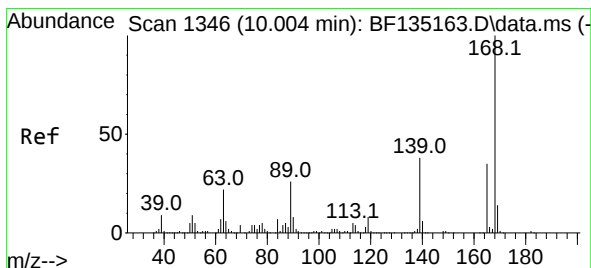
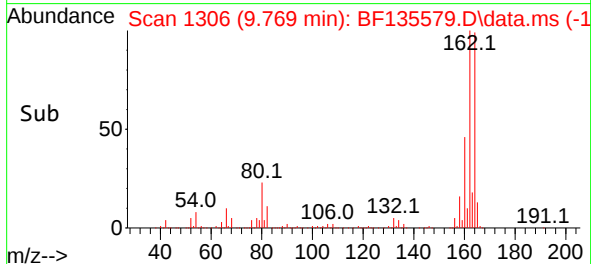
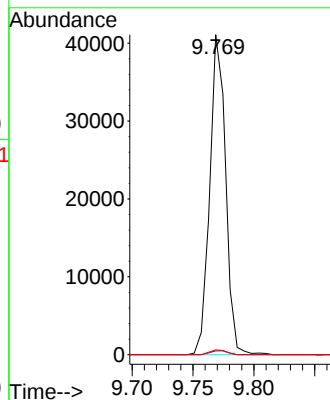
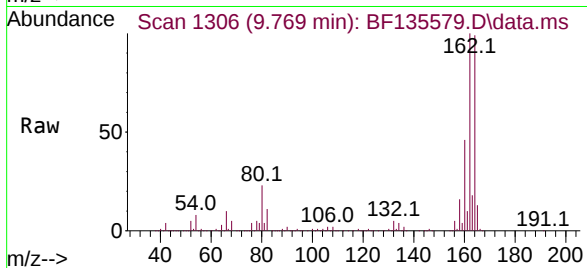
Tgt Ion:165 Resp: 37138

Ion Ratio Lower Upper

165 100

63 1.2 59.4 89.2#

89 1.5 49.8 74.8#



#57

2,4-Dinitrotoluene

Concen: 6.833 ng

RT: 9.769 min Scan# 1306

Delta R.T. -0.218 min

Lab File: BF135579.D

Acq: 04 Oct 2023 20:08

Tgt Ion:165 Resp: 37138

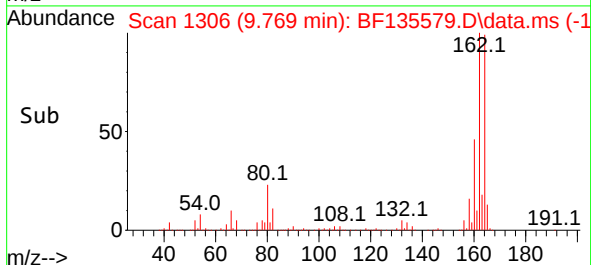
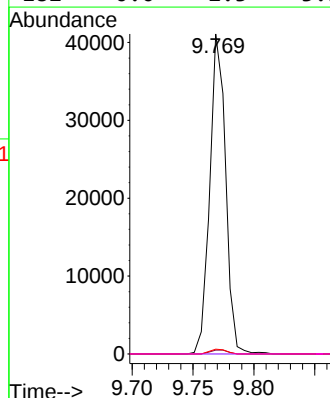
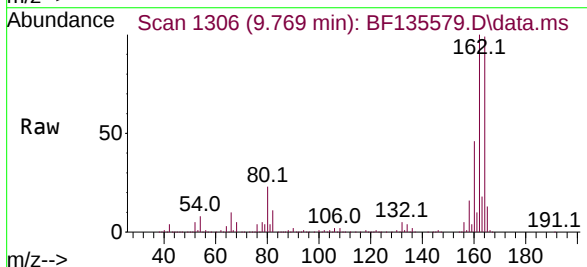
Ion Ratio Lower Upper

165 100

63 1.2 50.1 75.1#

89 1.5 59.3 88.9#

182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.263 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF135579.D

Acq: 04 Oct 2023 20:08

Instrument :

BNA_F

ClientSampleId :

SP1-COMPMSD

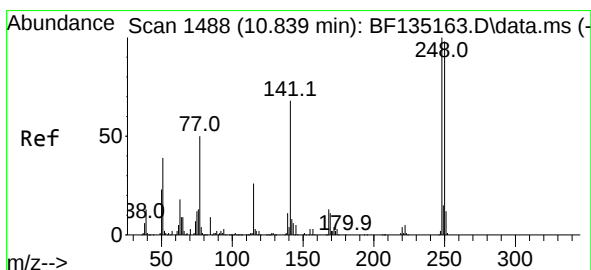
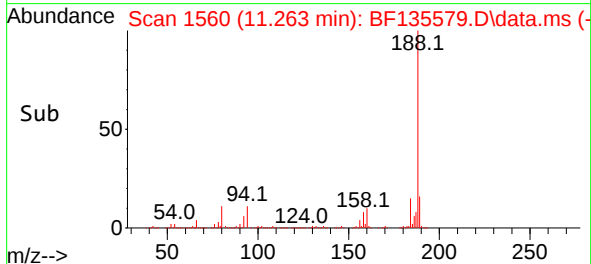
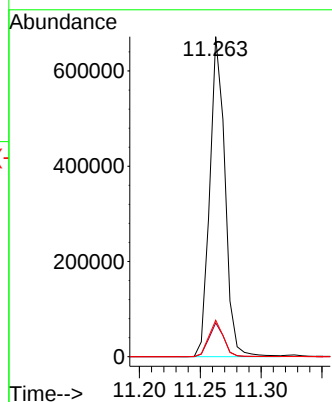
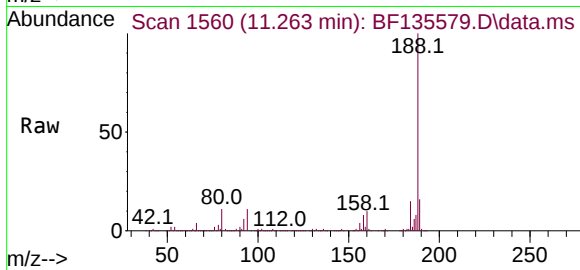
Tgt Ion:188 Resp: 584294

Ion Ratio Lower Upper

188 100

94 10.5 7.0 10.6

80 11.4 7.5 11.3#



#67

4-Bromophenyl-phenylether

Concen: 4.168 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.241 min

Lab File: BF135579.D

Acq: 04 Oct 2023 20:08

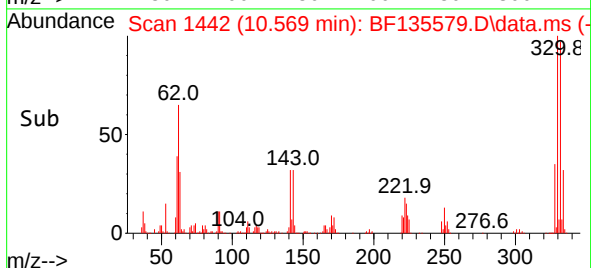
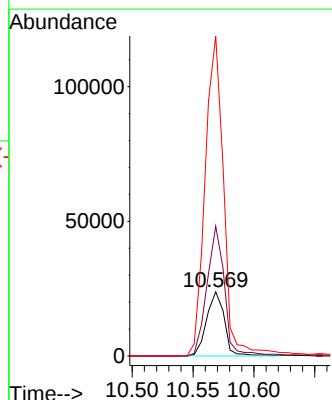
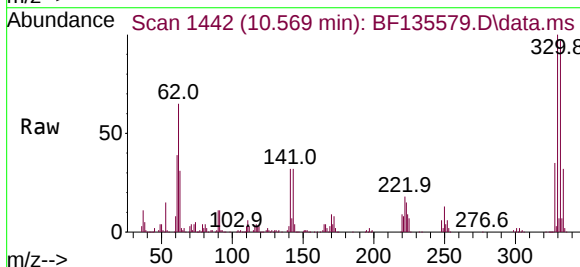
Tgt Ion:248 Resp: 24223

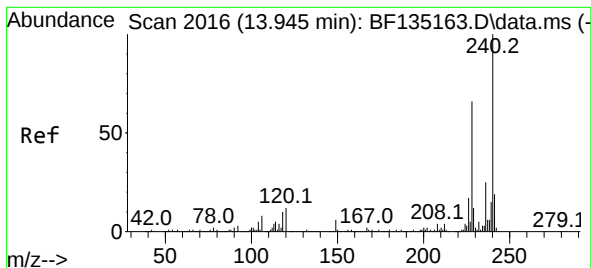
Ion Ratio Lower Upper

248 100

250 202.4 78.6 117.8#

141 499.1 54.2 81.2#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.921 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF135579.D

Acq: 04 Oct 2023 20:08

Instrument :

BNA_F

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SP1-COMPMSD

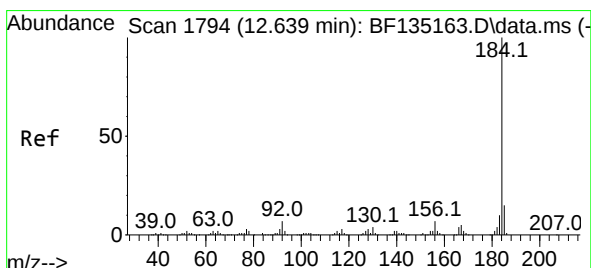
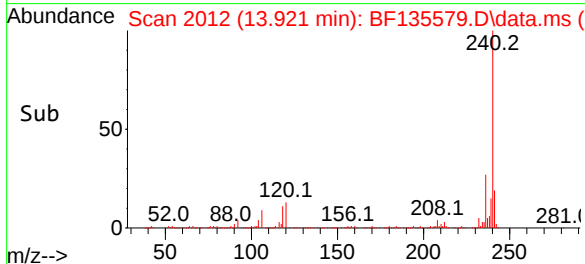
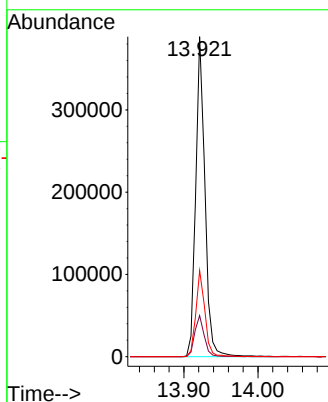
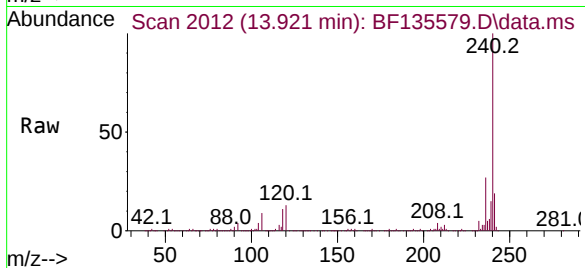
Tgt Ion:240 Resp: 336129

Ion Ratio Lower Upper

240 100

120 12.9 9.4 14.2

236 26.9 19.8 29.8



#77

Benzidine

Concen: 19.357 ng

RT: 12.616 min Scan# 1790

Delta R.T. 0.000 min

Lab File: BF135579.D

Acq: 04 Oct 2023 20:08

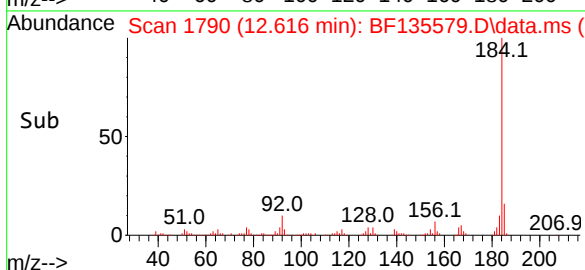
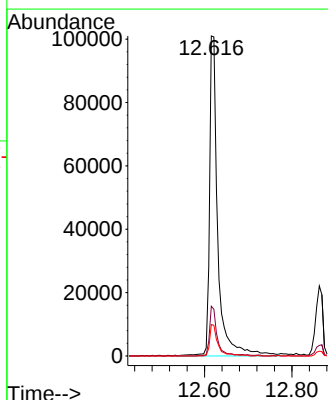
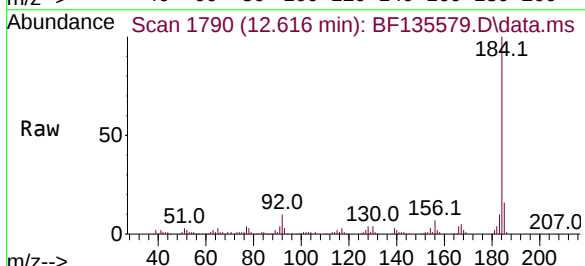
Tgt Ion:184 Resp: 133295

Ion Ratio Lower Upper

184 100

185 15.5 11.7 17.5

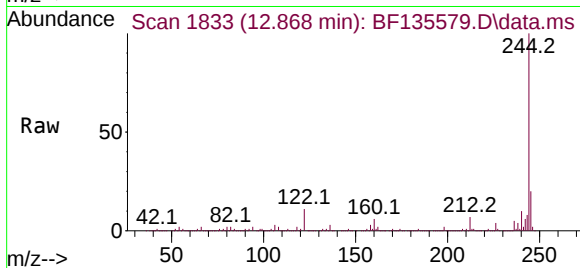
183 9.8 8.2 12.4



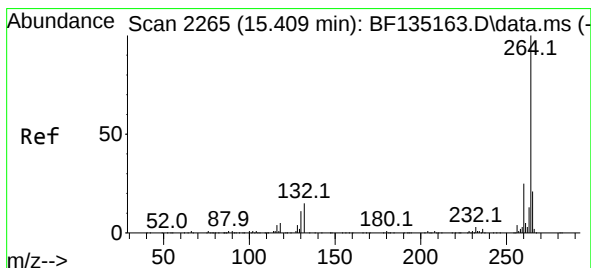
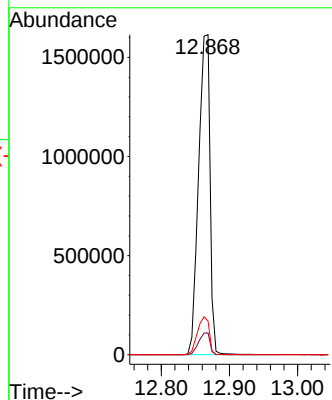
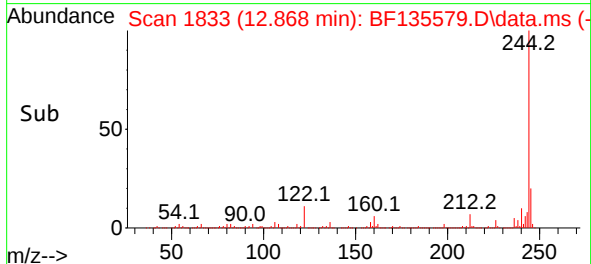


#79
 Terphenyl-d14
 Concen: 86.460 ng
 RT: 12.868 min Scan# 1833
 Delta R.T. 0.006 min
 Lab File: BF135579.D
 Acq: 04 Oct 2023 20:08

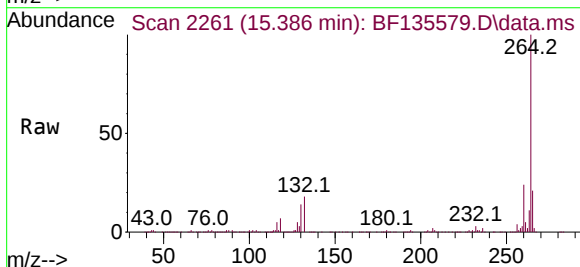
Instrument :
 BNA_F
 ClientSampleId :
 SP1-COMPMSD



Tgt Ion:244 Resp: 1874716
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.1 7.7
 122 10.5 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.386 min Scan# 2261
 Delta R.T. 0.000 min
 Lab File: BF135579.D
 Acq: 04 Oct 2023 20:08



Tgt Ion:264 Resp: 294168
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.8 29.6
 265 21.1 17.0 25.4

