

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100423\
 Data File : BF135566.D
 Acq On : 04 Oct 2023 12:22
 Operator : CG\JU
 Sample : 04652-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IS1-COMP

Quant Time: Oct 04 17:17:09 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)

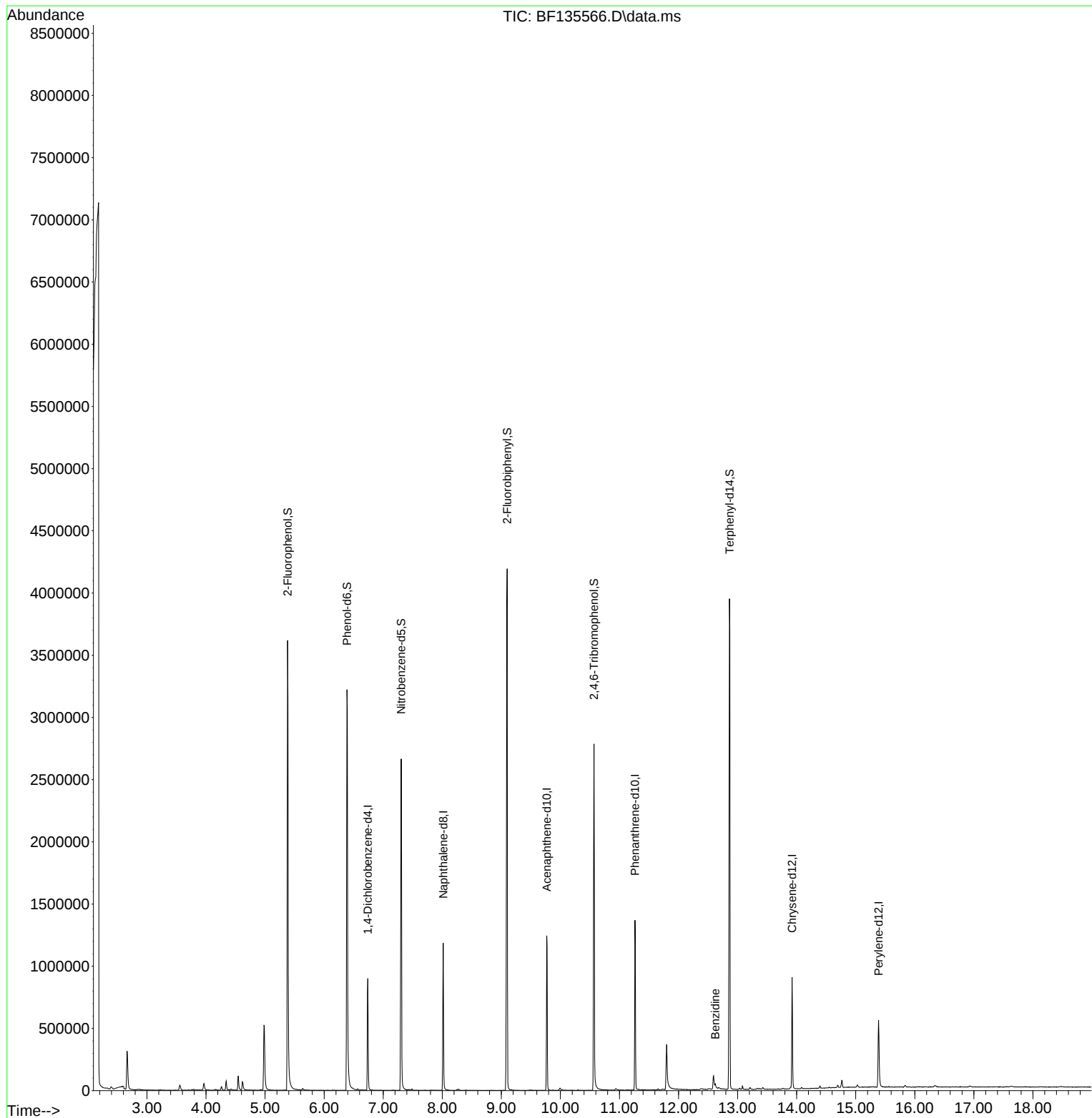
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	137020	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	515632	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	259276	20.000	ng	0.00
64) Phenanthrene-d10	11.263	188	504694	20.000	ng	# 0.00
76) Chrysene-d12	13.922	240	294062	20.000	ng	0.00
86) Perylene-d12	15.386	264	260467	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	1064790	126.392	ng	0.01
7) Phenol-d6	6.387	99	1247625	116.467	ng	0.00
23) Nitrobenzene-d5	7.304	82	912603	96.156	ng	0.00
42) 2,4,6-Tribromophenol	10.569	330	343398	133.277	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1488166	86.596	ng	0.00
79) Terphenyl-d14	12.863	244	1608787	84.810	ng	0.00
Target Compounds						
77) Benzidine	12.622	184	13298	2.207	ng	# 92

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

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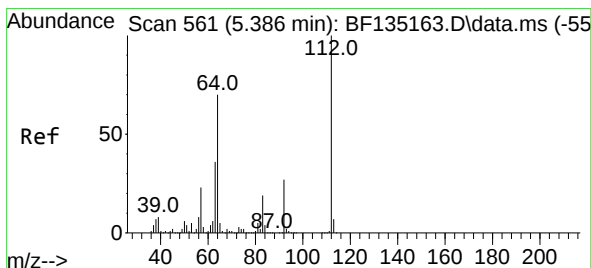
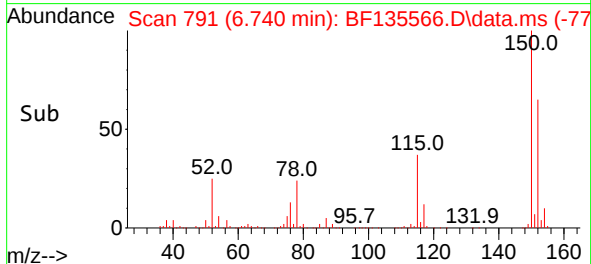
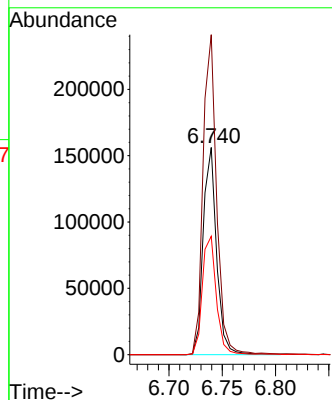
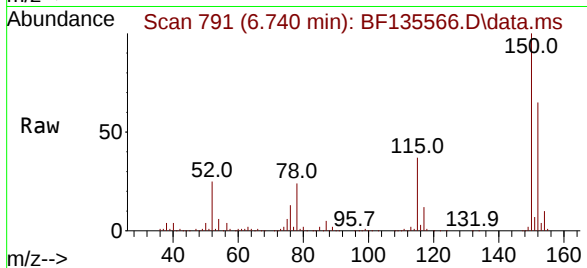




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 795
Delta R.T. 0.001 min
Lab File: BF135566.D
Acq: 04 Oct 2023 12:22

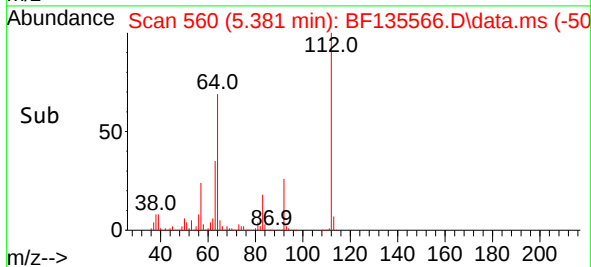
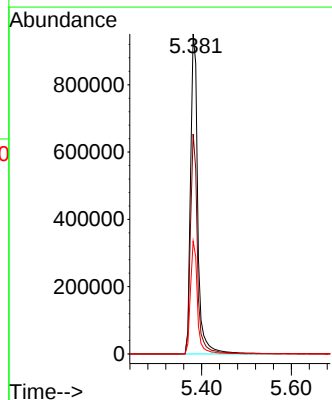
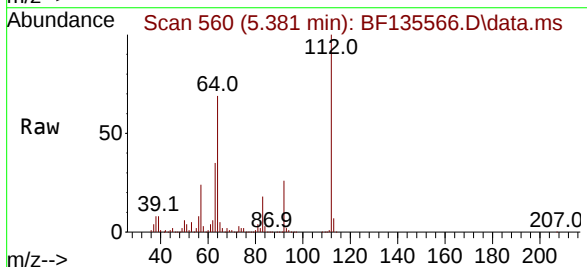
Instrument :
BNA_F
ClientSampleId :
IS1-COMP

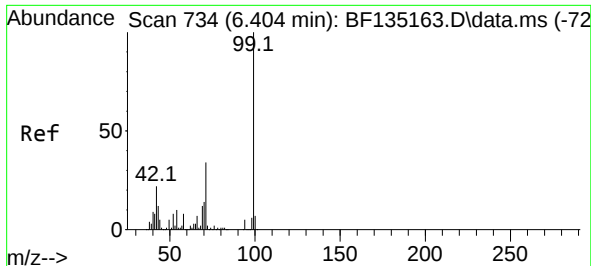
Tgt Ion:152 Resp: 137020
Ion Ratio Lower Upper
152 100
150 154.5 127.8 191.6
115 57.1 49.8 74.8



#5
2-Fluorophenol
Concen: 126.392 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.012 min
Lab File: BF135566.D
Acq: 04 Oct 2023 12:22

Tgt Ion:112 Resp: 1064790
Ion Ratio Lower Upper
112 100
64 68.7 55.9 83.9
63 35.2 29.0 43.6

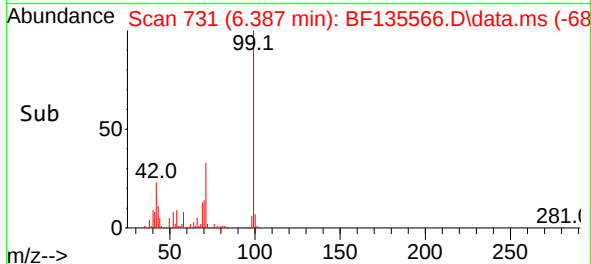
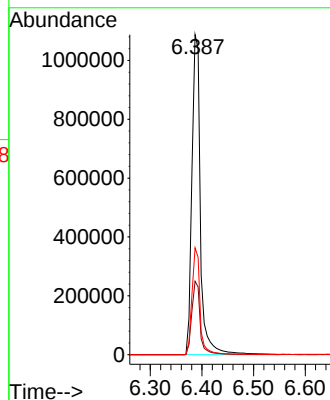
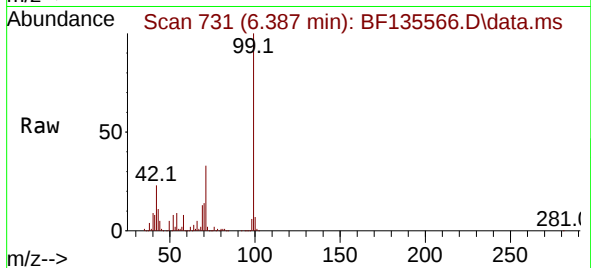




#7
Phenol-d6
Concen: 116.467 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF135566.D
Acq: 04 Oct 2023 12:22

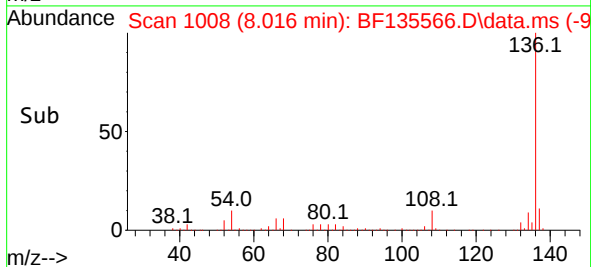
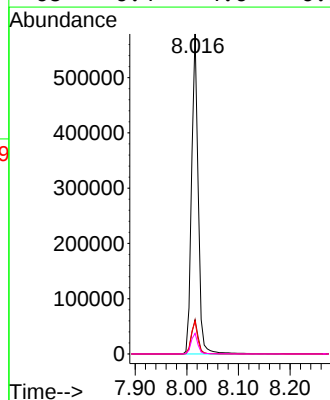
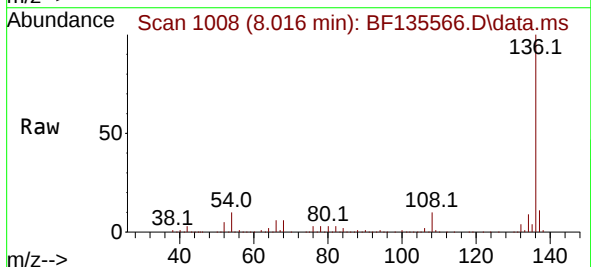
Instrument :
BNA_F
ClientSampleId :
IS1-COMP

Tgt Ion: 99 Resp: 1247625
Ion Ratio Lower Upper
99 100
42 23.0 17.9 26.9
71 33.4 27.0 40.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF135566.D
Acq: 04 Oct 2023 12:22

Tgt Ion: 136 Resp: 515632
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 10.1 7.7 11.5
68 6.4 4.6 6.8





#23

Nitrobenzene-d5

Concen: 96.156 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF135566.D

Acq: 04 Oct 2023 12:22

Instrument :

BNA_F

ClientSampleId :

IS1-COMP

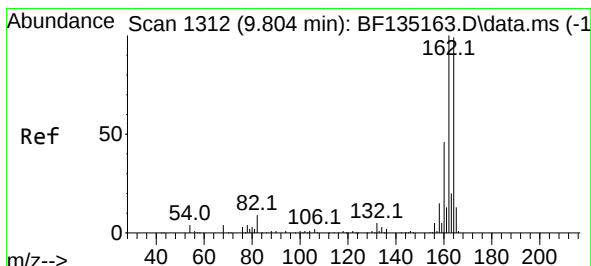
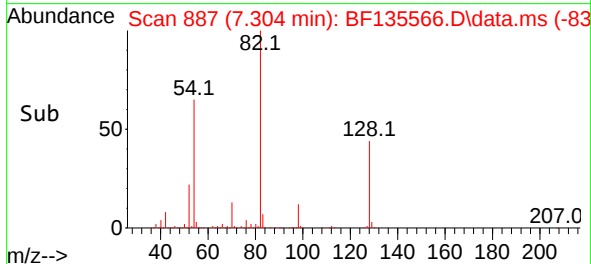
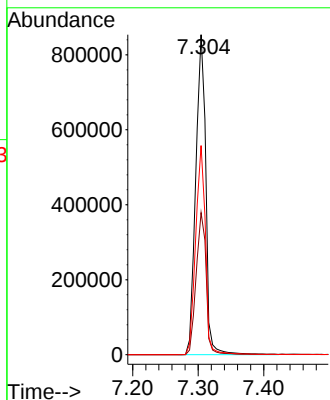
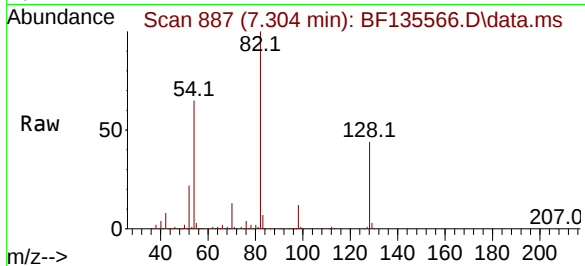
Tgt Ion: 82 Resp: 912603

Ion Ratio Lower Upper

82 100

128 44.4 35.8 53.6

54 65.3 50.6 76.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.769 min Scan# 1306

Delta R.T. -0.006 min

Lab File: BF135566.D

Acq: 04 Oct 2023 12:22

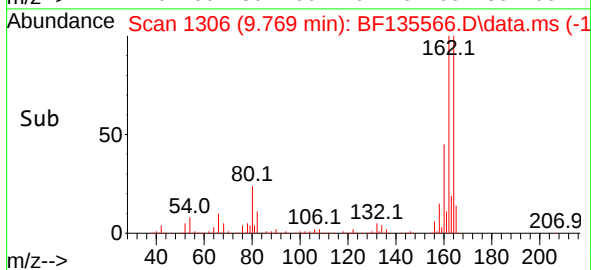
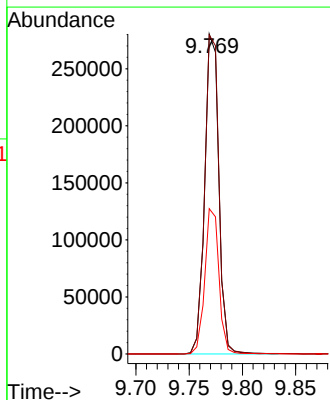
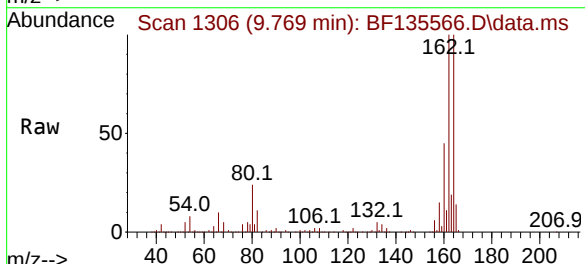
Tgt Ion:164 Resp: 259276

Ion Ratio Lower Upper

164 100

162 99.7 81.0 121.4

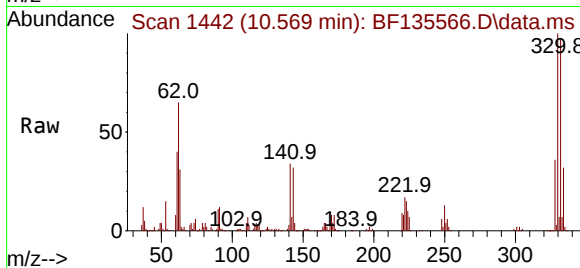
160 45.4 37.0 55.4



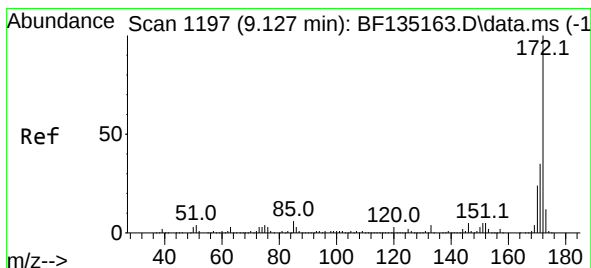
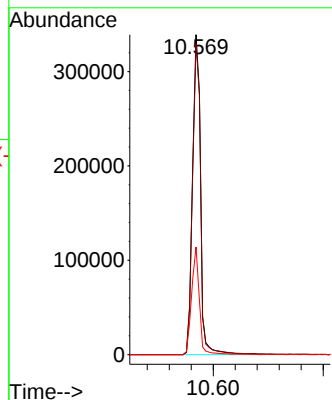
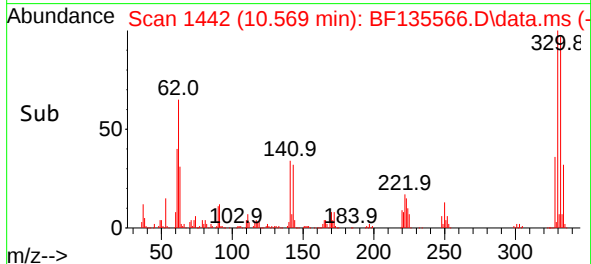


#42
 2,4,6-Tribromophenol
 Concen: 133.277 ng
 RT: 10.569 min Scan# 1442
 Delta R.T. 0.000 min
 Lab File: BF135566.D
 Acq: 04 Oct 2023 12:22

Instrument :
 BNA_F
 ClientSampleId :
 IS1-COMP

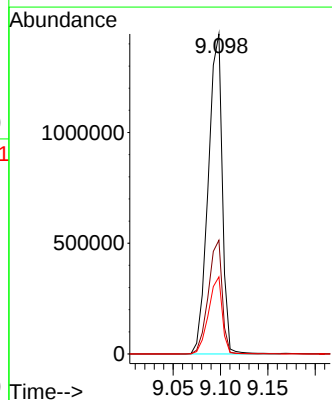
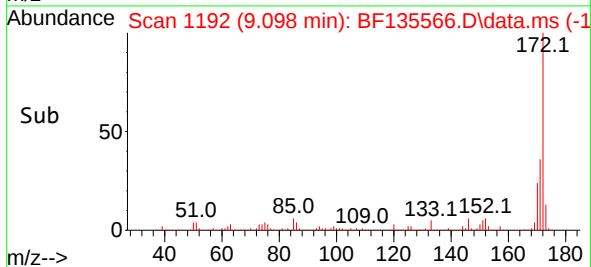
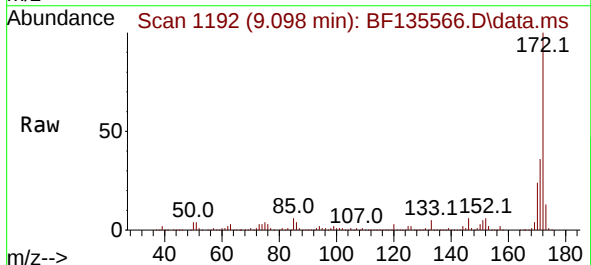


Tgt Ion:330 Resp: 343398
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.3 115.9
 141 32.8 25.8 38.8



#45
 2-Fluorobiphenyl
 Concen: 86.596 ng
 RT: 9.098 min Scan# 1192
 Delta R.T. 0.000 min
 Lab File: BF135566.D
 Acq: 04 Oct 2023 12:22

Tgt Ion:172 Resp: 1488166
 Ion Ratio Lower Upper
 172 100
 171 35.5 28.4 42.6
 170 24.1 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.263 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF135566.D

Acq: 04 Oct 2023 12:22

Instrument :

BNA_F

ClientSampleId :

IS1-COMP

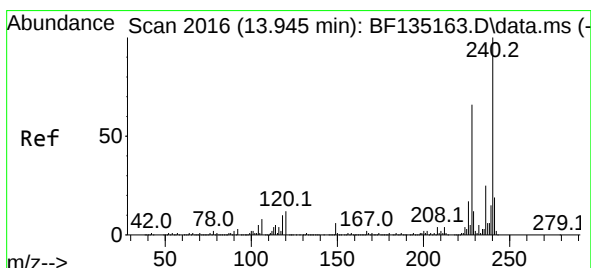
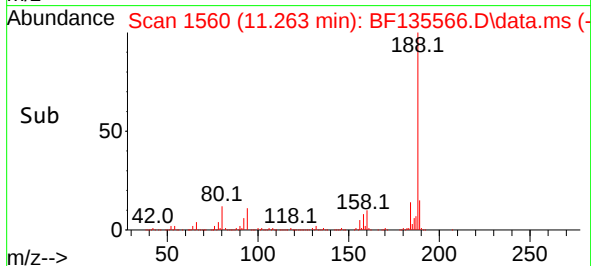
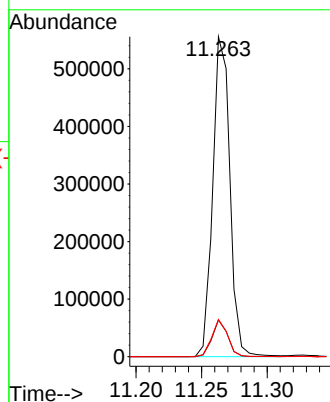
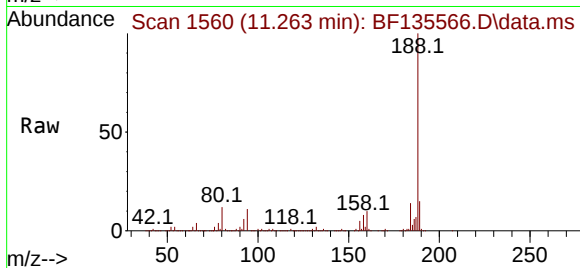
Tgt Ion:188 Resp: 504694

Ion Ratio Lower Upper

188 100

94 11.4 7.0 10.6#

80 11.7 7.5 11.3#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.922 min Scan# 2012

Delta R.T. -0.006 min

Lab File: BF135566.D

Acq: 04 Oct 2023 12:22

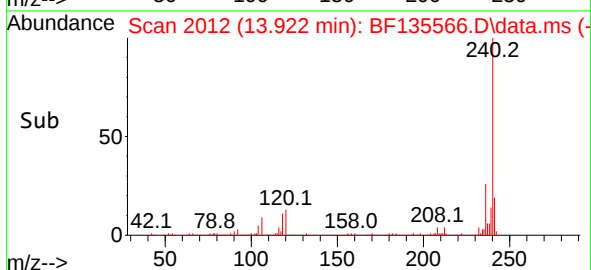
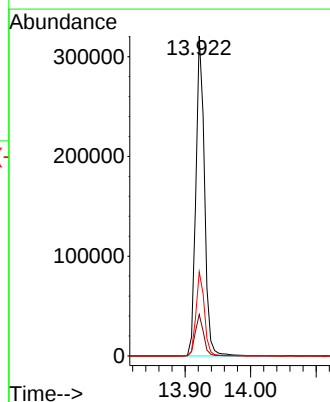
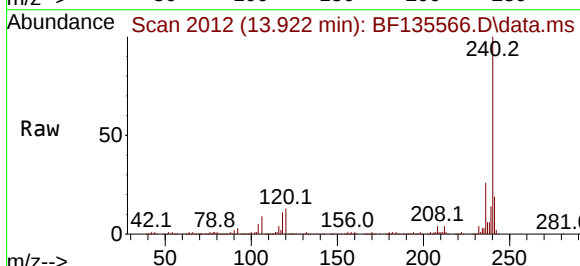
Tgt Ion:240 Resp: 294062

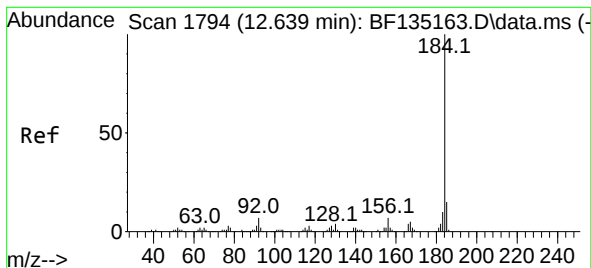
Ion Ratio Lower Upper

240 100

120 13.0 9.4 14.2

236 26.3 19.8 29.8





#77

Benzidine

Concen: 2.207 ng

RT: 12.622 min Scan# 1791

Delta R.T. 0.006 min

Lab File: BF135566.D

Acq: 04 Oct 2023 12:22

Instrument :

BNA_F

ClientSampleId :

IS1-COMP

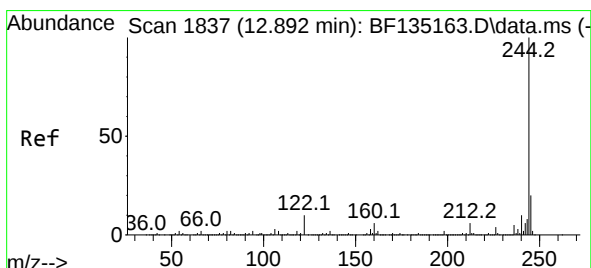
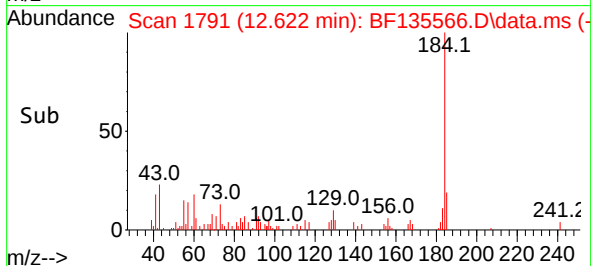
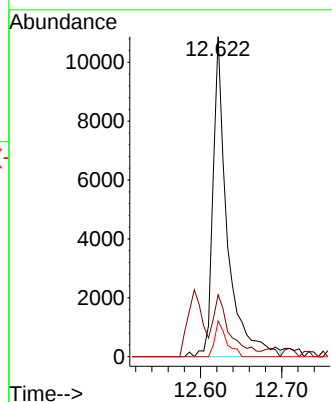
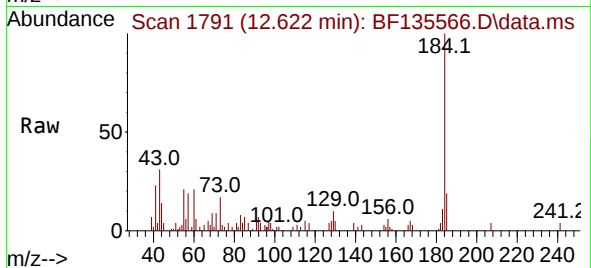
Tgt Ion:184 Resp: 13298

Ion Ratio Lower Upper

184 100

185 19.4 11.7 17.5#

183 11.1 8.2 12.4



#79

Terphenyl-d14

Concen: 84.810 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.000 min

Lab File: BF135566.D

Acq: 04 Oct 2023 12:22

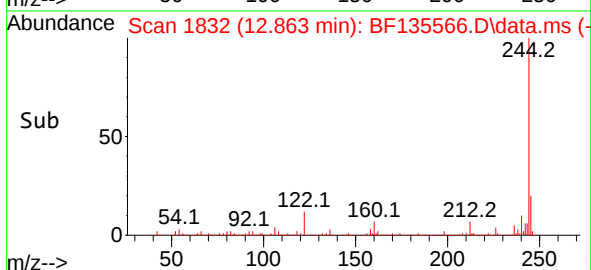
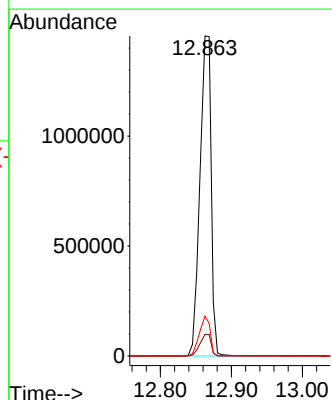
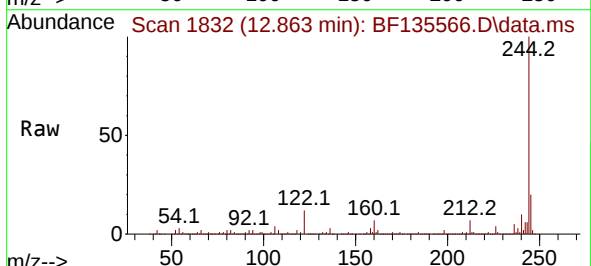
Tgt Ion:244 Resp: 1608787

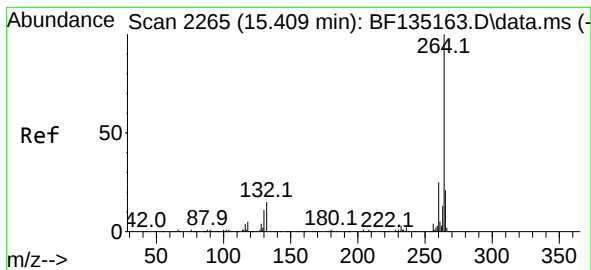
Ion Ratio Lower Upper

244 100

212 6.8 5.1 7.7

122 12.4 7.9 11.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.386 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF135566.D

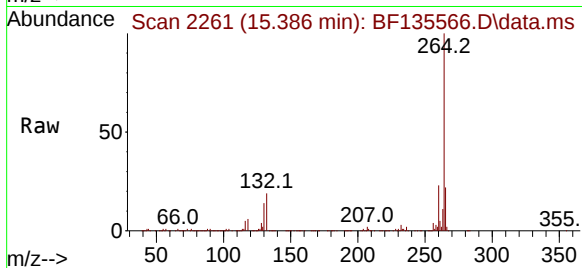
Acq: 04 Oct 2023 12:22

Instrument :

BNA_F

ClientSampleId :

IS1-COMP



Tgt Ion:264 Resp: 260467

Ion Ratio Lower Upper

264 100

260 23.5 19.8 29.6

265 22.2 17.0 25.4

