

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
 Data File : BF136699.D
 Acq On : 22 Dec 2023 22:24
 Operator : CG\JU
 Sample : 05765-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-03-9.5-10.5

Quant Time: Dec 23 01:56:55 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

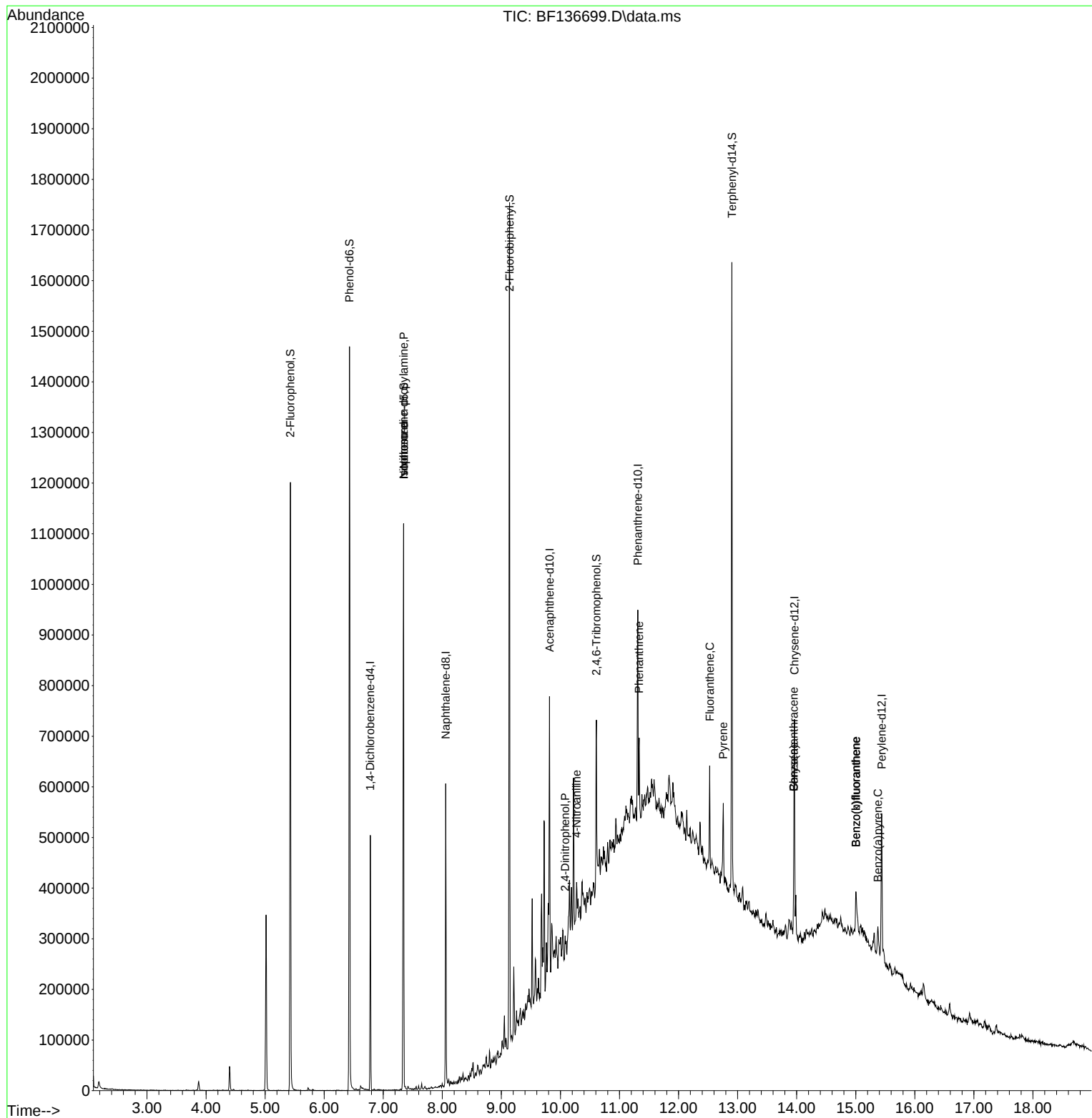
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	66640	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	228587	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	95322	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	142053	20.000	ng	0.00
76) Chrysene-d12	13.963	240	137123	20.000	ng	# 0.00
86) Perylene-d12	15.439	264	136682	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	295144	69.104	ng	0.00
7) Phenol-d6	6.428	99	505061	91.262	ng	-0.01
23) Nitrobenzene-d5	7.345	82	342539	76.680	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	40845	36.383	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	529485	74.710	ng	-0.01
79) Terphenyl-d14	12.904	244	429036	43.725	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	45056	13.430	ng	# 73
25) Isophorone	7.345	82	341368	41.997	ng	# 65
54) 2,4-Dinitrophenol	10.080	184	114	3.859	ng	# 1
62) 4-Nitroaniline	10.275	138	4097	2.539	ng	83
71) Phenanthrene	11.333	178	57906	7.944	ng	# 95
75) Fluoranthene	12.527	202	76775	9.847	ng	96
78) Pyrene	12.757	202	64464	4.789	ng	97
81) Benzo(a)anthracene	13.951	228	38420	4.035	ng	96
83) Chrysene	13.951	228	38420	4.126	ng	97
88) Benzo(b)fluoranthene	15.004	252	53173	5.825	ng	# 88
89) Benzo(k)fluoranthene	15.004	252	53173	6.164	ng	# 88
90) Benzo(a)pyrene	15.374	252	25698	3.335	ng	# 81

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

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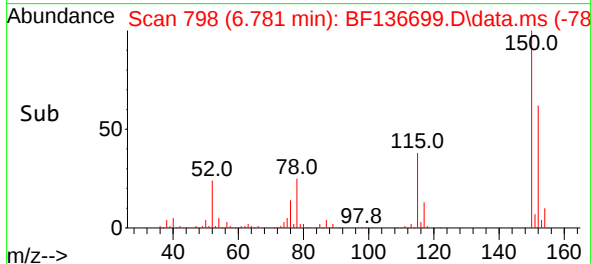
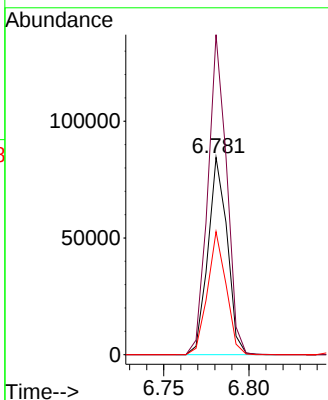
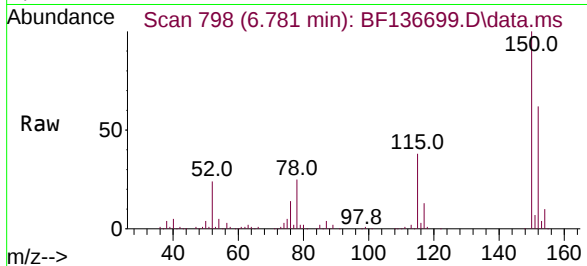




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 79
 Delta R.T. -0.011 min
 Lab File: BF136699.D
 Acq: 22 Dec 2023 22:24

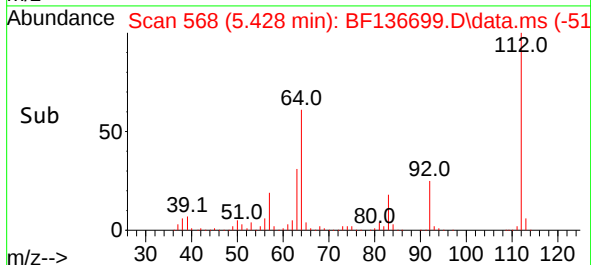
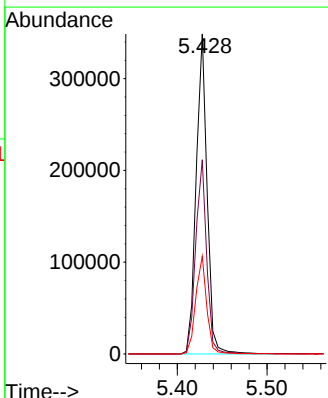
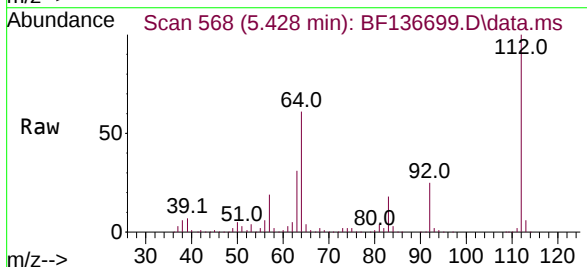
Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-03-9.5-10.5

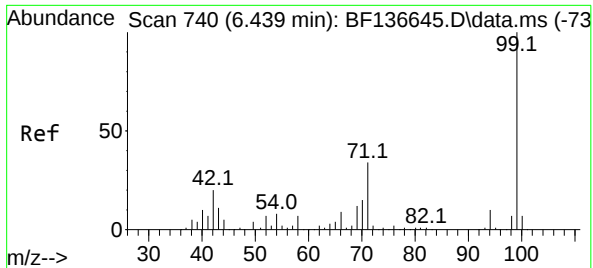
Tgt Ion:152 Resp: 66640
 Ion Ratio Lower Upper
 152 100
 150 162.2 127.0 190.6
 115 62.4 49.0 73.4



#5
 2-Fluorophenol
 Concen: 69.104 ng
 RT: 5.428 min Scan# 568
 Delta R.T. 0.000 min
 Lab File: BF136699.D
 Acq: 22 Dec 2023 22:24

Tgt Ion:112 Resp: 295144
 Ion Ratio Lower Upper
 112 100
 64 60.7 51.1 76.7
 63 30.5 26.1 39.1

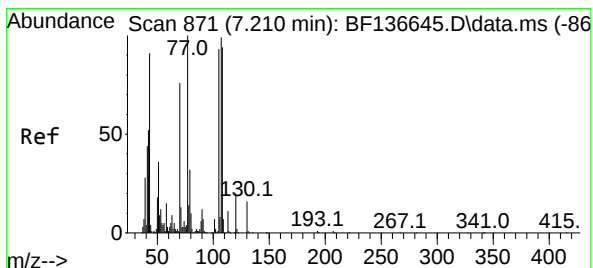
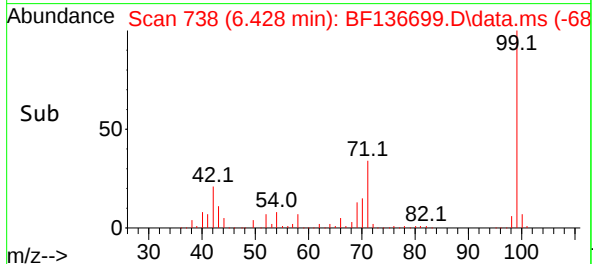
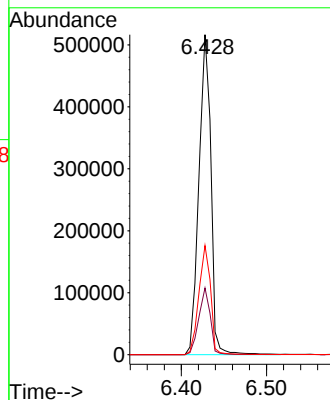
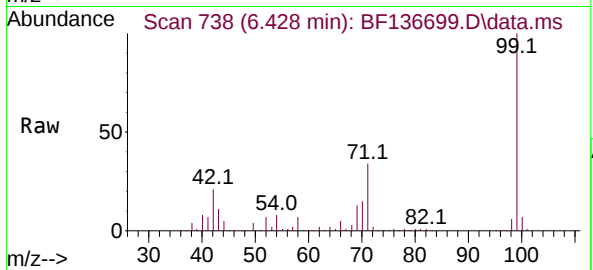




#7
Phenol-d6
Concen: 91.262 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136699.D
Acq: 22 Dec 2023 22:24

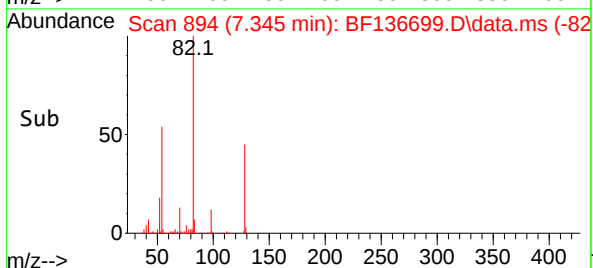
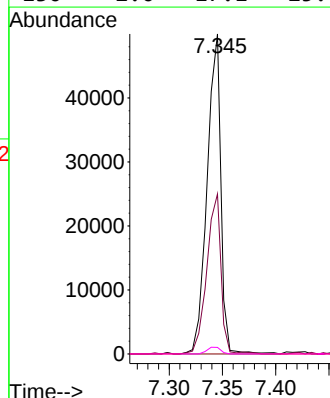
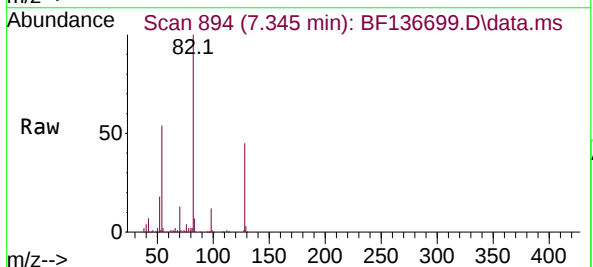
Instrument :
BNA_F
ClientSampleId :
RT-SB-03-9.5-10.5

Tgt Ion: 99 Resp: 505061
Ion Ratio Lower Upper
99 100
42 20.8 16.1 24.1
71 34.1 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 13.430 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136699.D
Acq: 22 Dec 2023 22:24

Tgt Ion: 70 Resp: 45056
Ion Ratio Lower Upper
70 100
42 50.0 54.2 81.4#
101 0.0 7.6 11.4#
130 2.0 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136699.D

Acq: 22 Dec 2023 22:24

Instrument :

BNA_F

ClientSampleId :

RT-SB-03-9.5-10.5

Tgt Ion:136 Resp: 228587

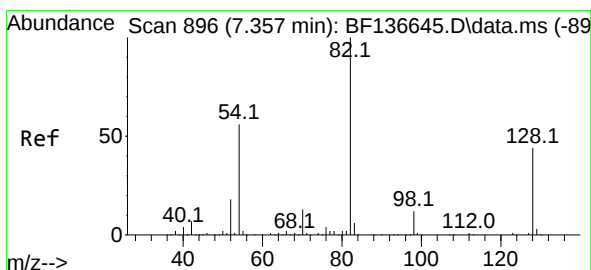
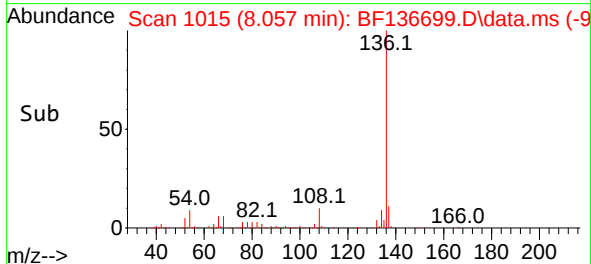
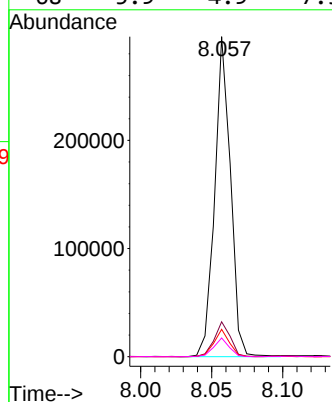
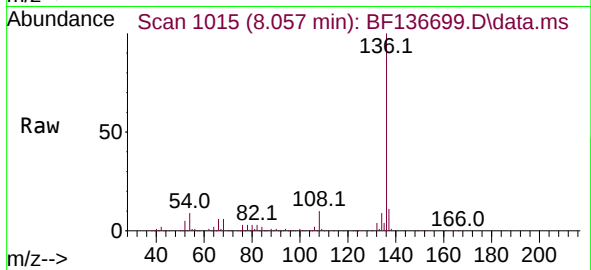
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 8.5 7.2 10.8

68 5.9 4.9 7.3



#23

Nitrobenzene-d5

Concen: 76.680 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF136699.D

Acq: 22 Dec 2023 22:24

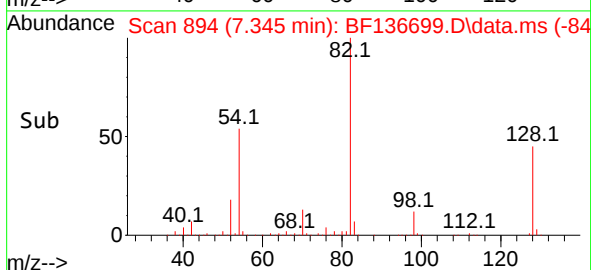
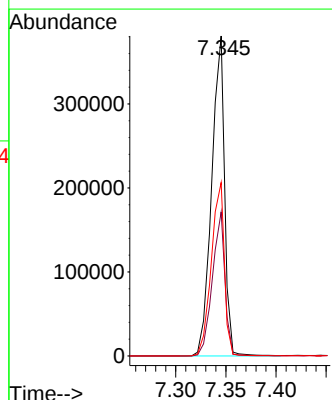
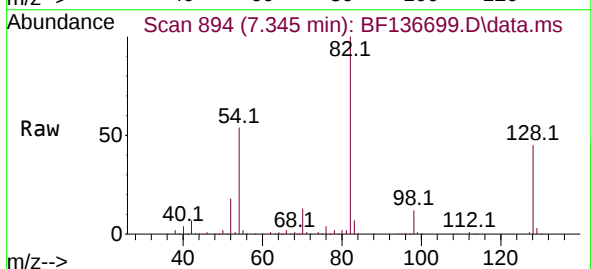
Tgt Ion: 82 Resp: 342539

Ion Ratio Lower Upper

82 100

128 45.0 35.3 52.9

54 54.2 44.5 66.7

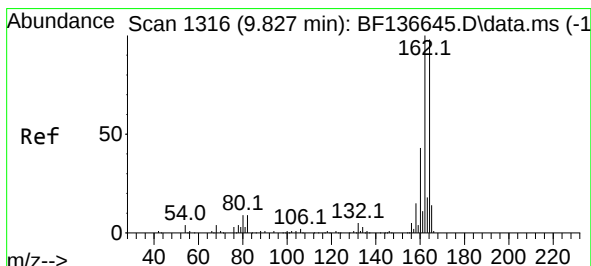
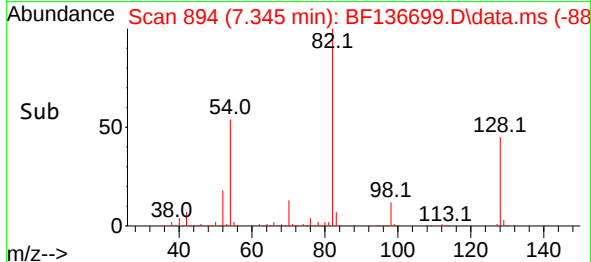
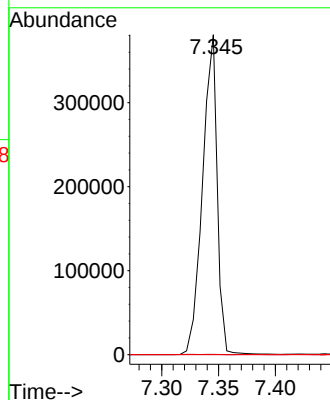
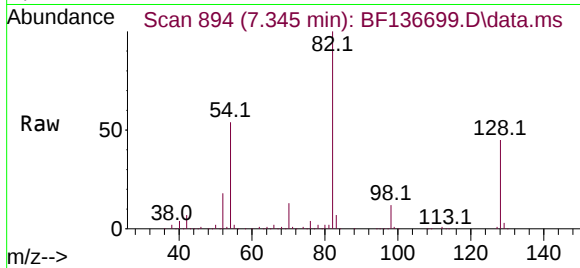




#25
Isophorone
Concen: 41.997 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF136699.D
Acq: 22 Dec 2023 22:24

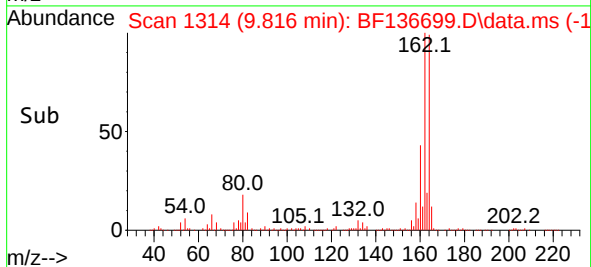
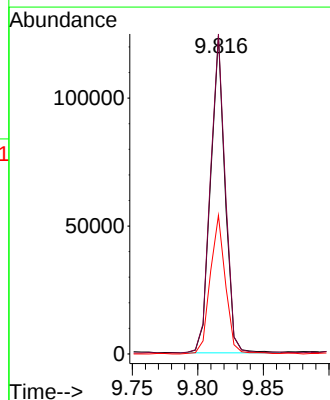
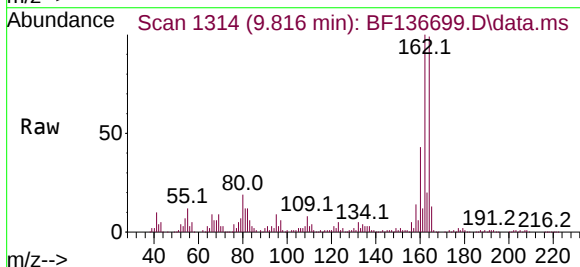
Instrument :
BNA_F
ClientSampleId :
RT-SB-03-9.5-10.5

Tgt Ion: 82 Resp: 341368
Ion Ratio Lower Upper
82 100
95 0.1 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136699.D
Acq: 22 Dec 2023 22:24

Tgt Ion:164 Resp: 95322
Ion Ratio Lower Upper
164 100
162 100.6 81.6 122.4
160 43.6 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 36.383 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136699.D

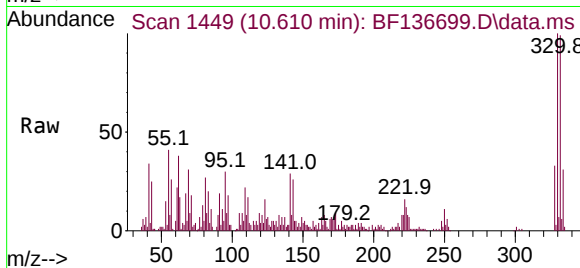
Acq: 22 Dec 2023 22:24

Instrument :

BNA_F

ClientSampleId :

RT-SB-03-9.5-10.5



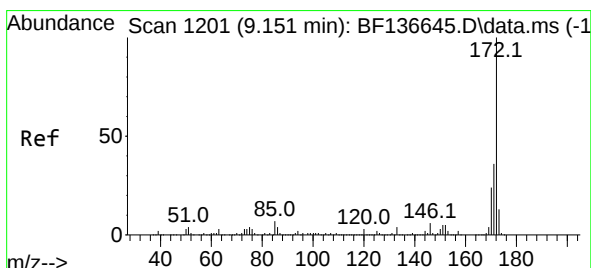
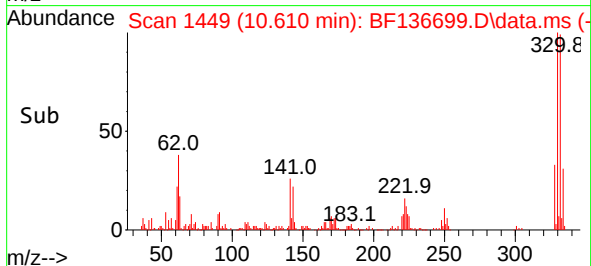
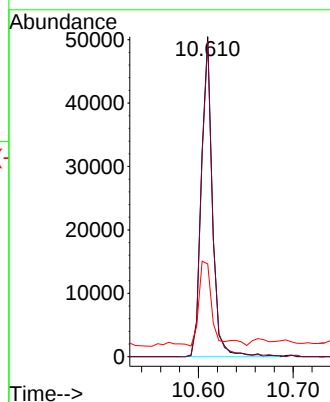
Tgt Ion:330 Resp: 40845

Ion Ratio Lower Upper

330 100

332 97.8 77.4 116.0

141 28.0 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 74.710 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136699.D

Acq: 22 Dec 2023 22:24

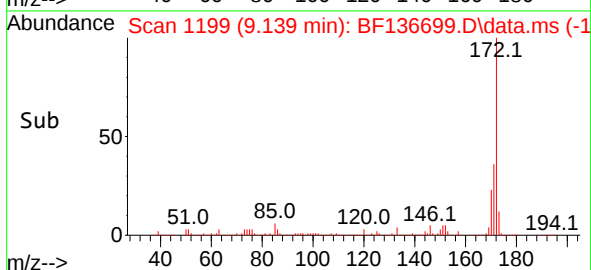
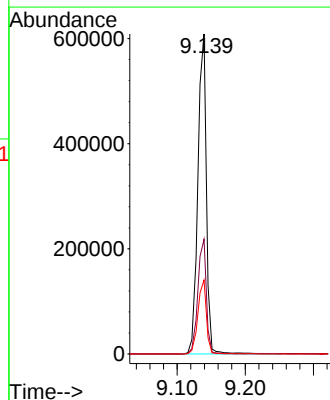
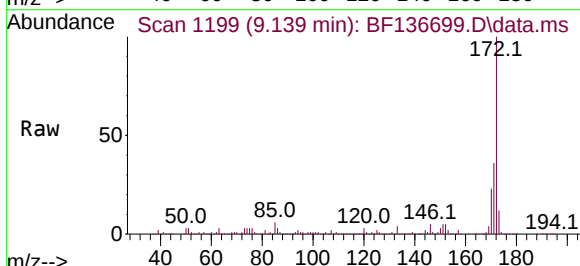
Tgt Ion:172 Resp: 529485

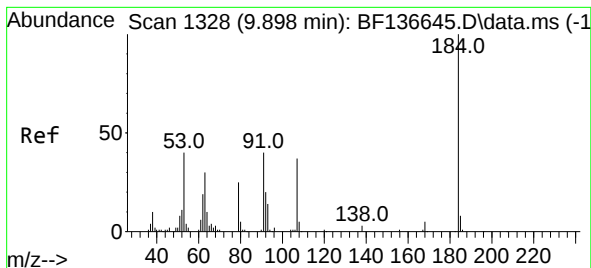
Ion Ratio Lower Upper

172 100

171 35.8 29.0 43.6

170 23.1 19.0 28.4





#54

2,4-Dinitrophenol

Concen: 3.859 ng

RT: 10.080 min Scan# 1114

Delta R.T. 0.182 min

Lab File: BF136699.D

Acq: 22 Dec 2023 22:24

Instrument :

BNA_F

ClientSampleId :

RT-SB-03-9.5-10.5

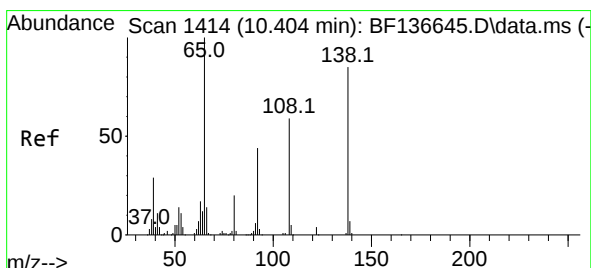
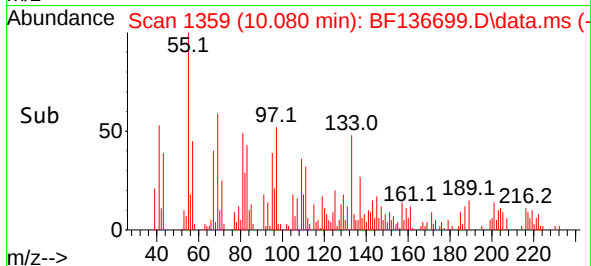
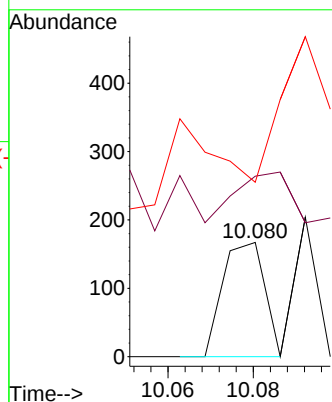
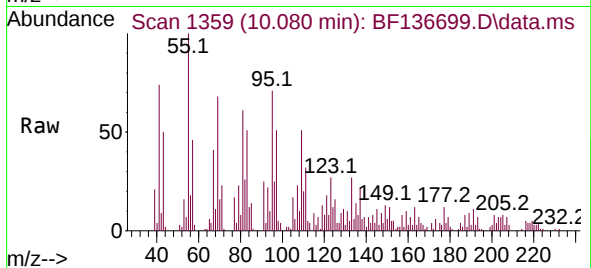
Tgt Ion:184 Resp: 114

Ion Ratio Lower Upper

184 100

63 158.1 40.9 61.3#

154 152.7 42.7 64.1#



#62

4-Nitroaniline

Concen: 2.539 ng

RT: 10.275 min Scan# 1392

Delta R.T. -0.129 min

Lab File: BF136699.D

Acq: 22 Dec 2023 22:24

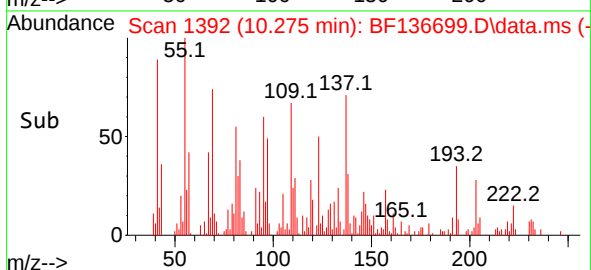
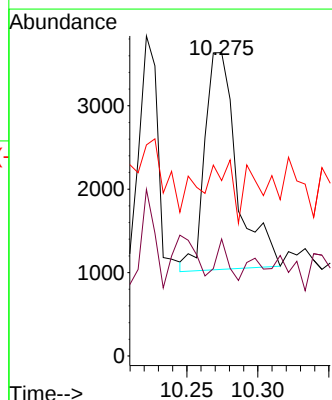
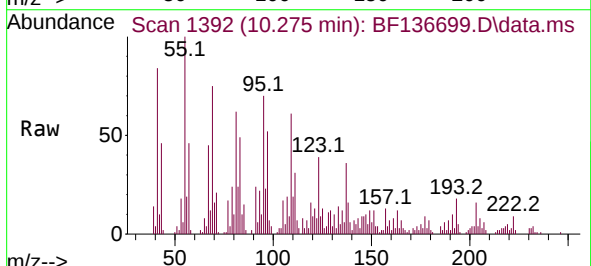
Tgt Ion:138 Resp: 4097

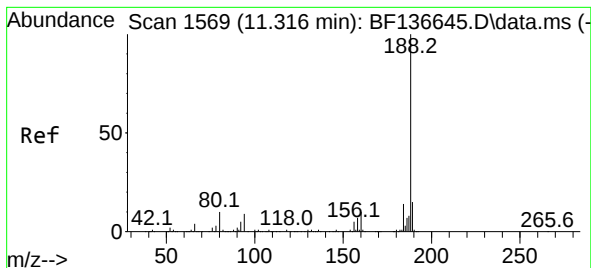
Ion Ratio Lower Upper

138 100

92 38.5 32.1 72.1

108 57.8 50.1 90.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136699.D

Acq: 22 Dec 2023 22:24

Instrument :

BNA_F

ClientSampleId :

RT-SB-03-9.5-10.5

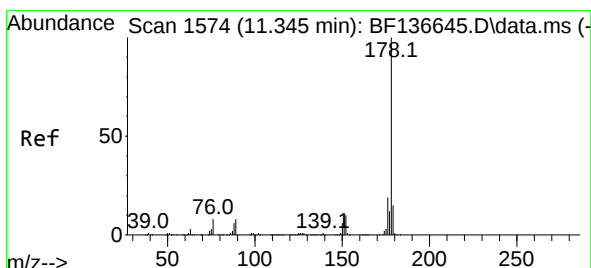
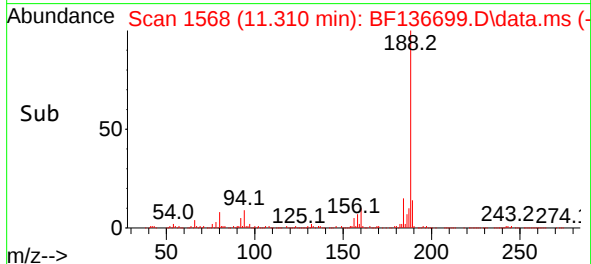
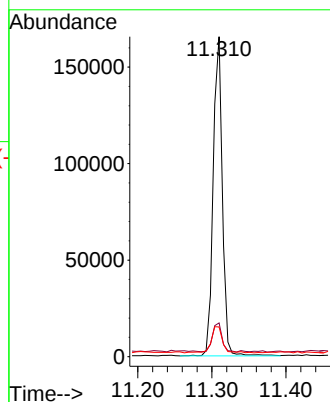
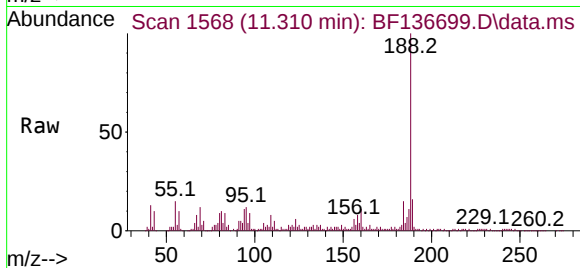
Tgt Ion:188 Resp: 142053

Ion Ratio Lower Upper

188 100

94 10.5 7.5 11.3

80 9.3 8.1 12.1



#71

Phenanthrene

Concen: 7.944 ng

RT: 11.333 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF136699.D

Acq: 22 Dec 2023 22:24

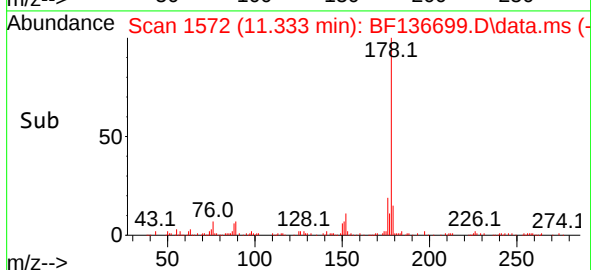
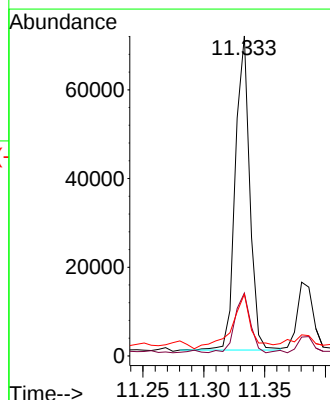
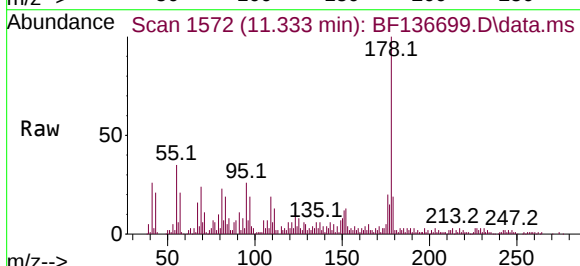
Tgt Ion:178 Resp: 57906

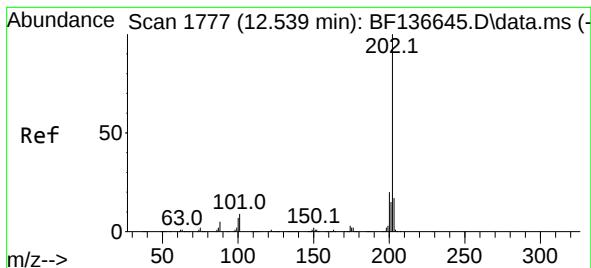
Ion Ratio Lower Upper

178 100

176 19.7 15.3 22.9

179 19.3 11.9 17.9#





#75

Fluoranthene

Concen: 9.847 ng

RT: 12.527 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136699.D

Acq: 22 Dec 2023 22:24

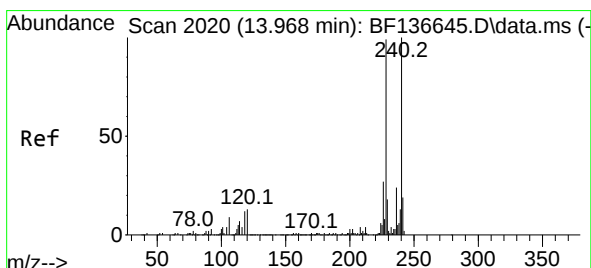
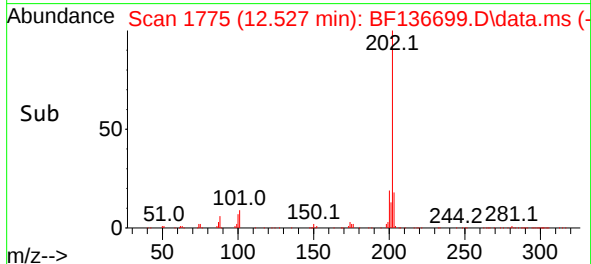
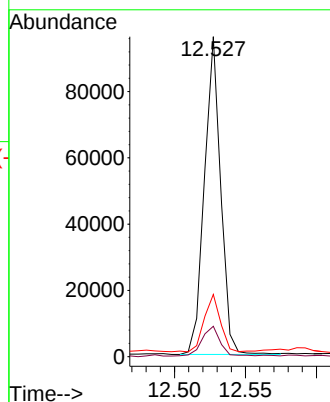
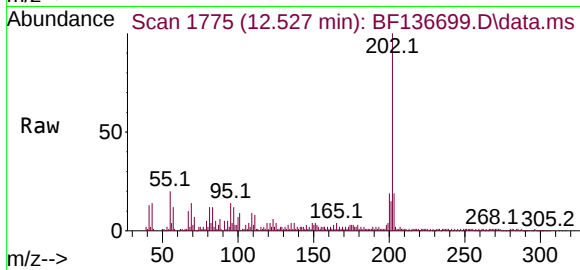
Instrument :

BNA_F

ClientSampleId :

RT-SB-03-9.5-10.5

Tgt Ion:	202	Resp:	76775
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	29.3
203	19.5	0.0	37.1



#76

Chrysene-d12

Concen: 20.000 ng

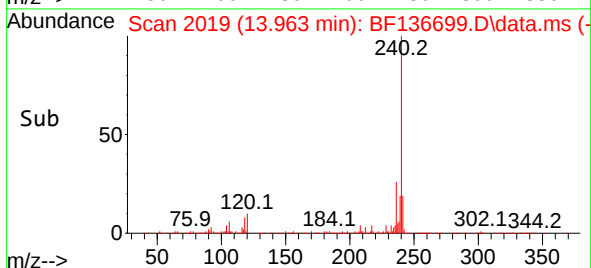
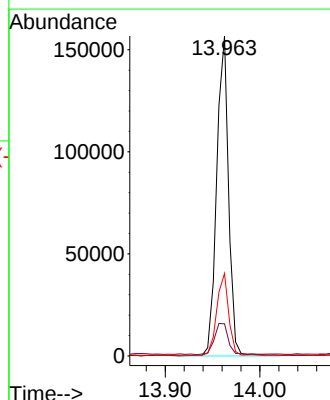
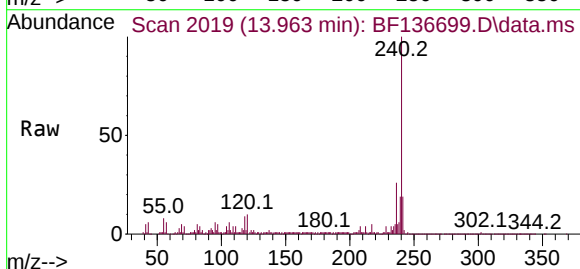
RT: 13.963 min Scan# 2019

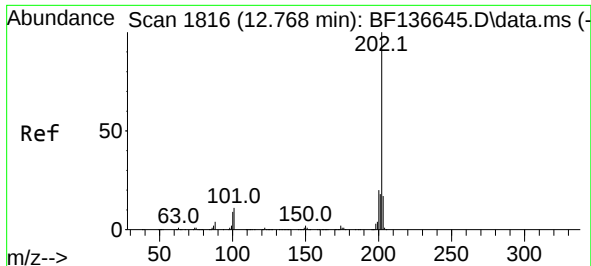
Delta R.T. -0.006 min

Lab File: BF136699.D

Acq: 22 Dec 2023 22:24

Tgt Ion:	240	Resp:	137123
Ion Ratio	Lower	Upper	
240	100		
120	10.1	10.3	15.5#
236	25.8	19.4	29.2

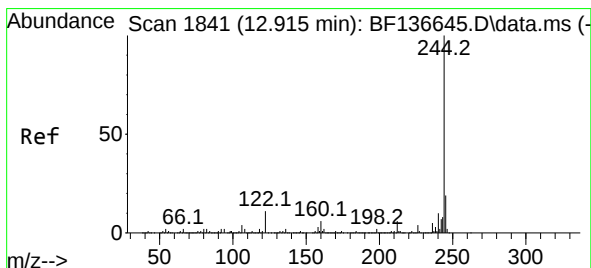
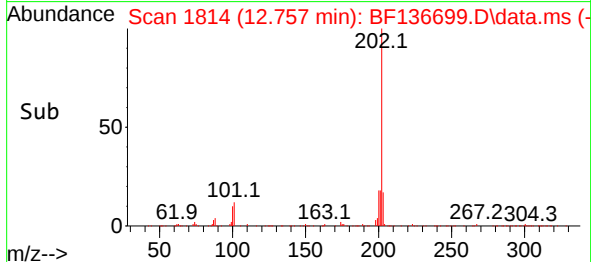
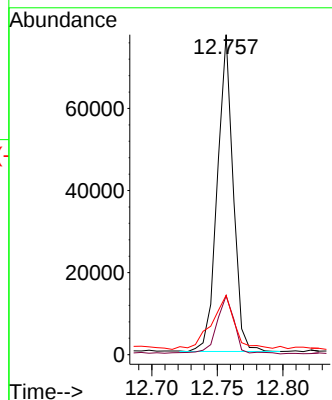
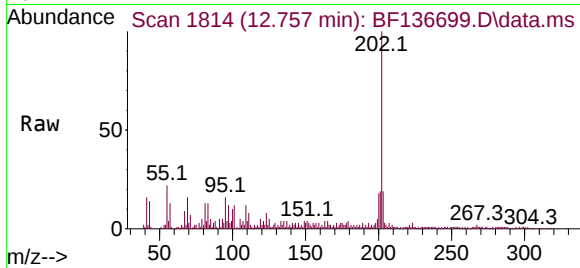




#78
Pyrene
Concen: 4.789 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF136699.D
Acq: 22 Dec 2023 22:24

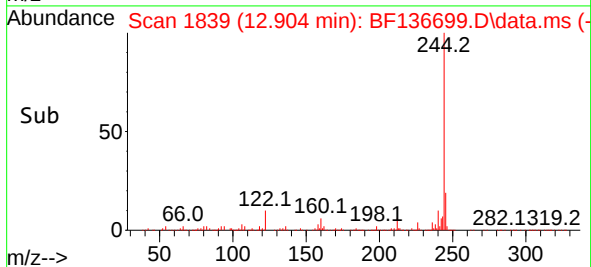
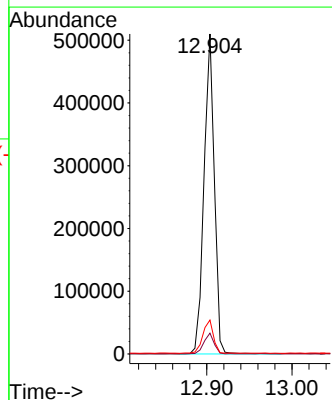
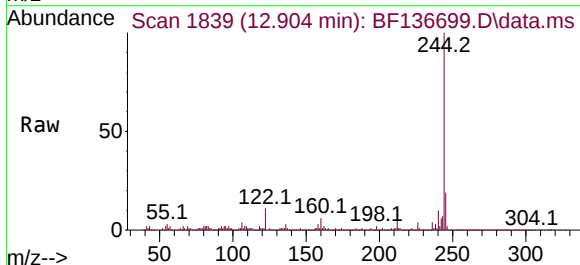
Instrument :
BNA_F
ClientSampleId :
RT-SB-03-9.5-10.5

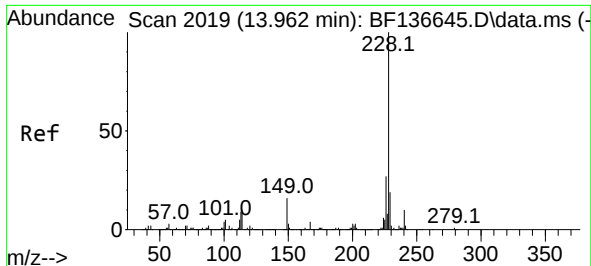
Tgt Ion:	202	Resp:	64464
Ion Ratio	Lower	Upper	
202	100		
200	18.4	15.9	23.9
203	18.6	13.8	20.6



#79
Terphenyl-d14
Concen: 43.725 ng
RT: 12.904 min Scan# 1839
Delta R.T. -0.012 min
Lab File: BF136699.D
Acq: 22 Dec 2023 22:24

Tgt Ion:	244	Resp:	429036
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.0	7.4
122	10.6	9.0	13.4

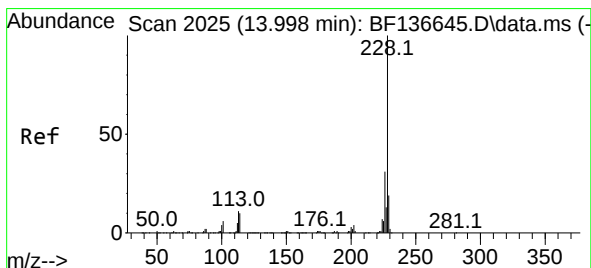
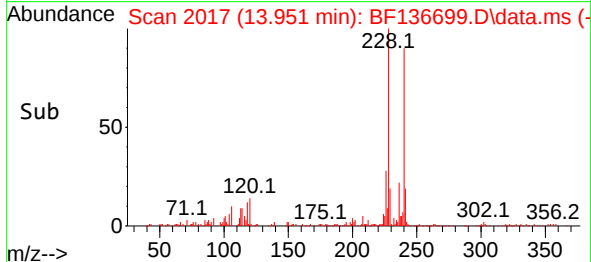
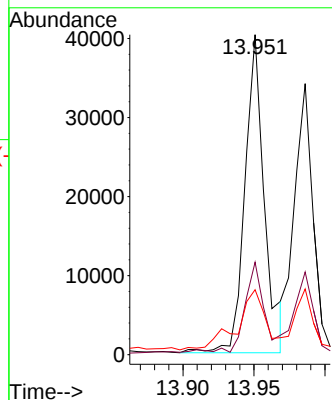
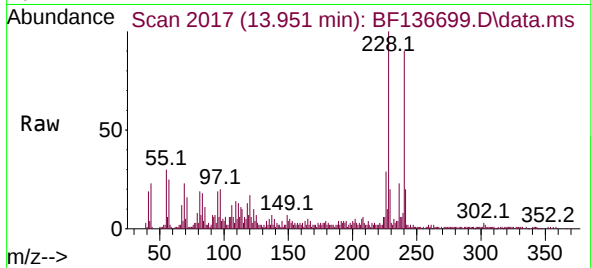




#81
Benzo(a)anthracene
Concen: 4.035 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF136699.D
Acq: 22 Dec 2023 22:24

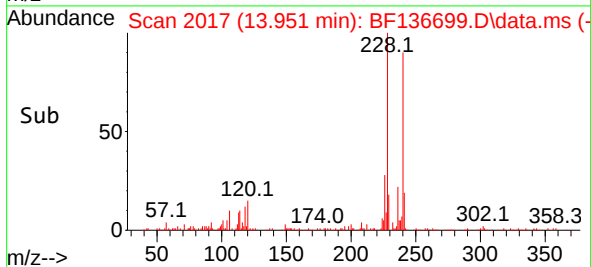
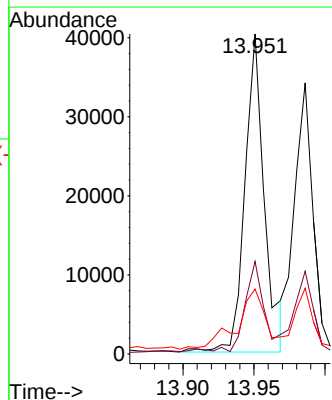
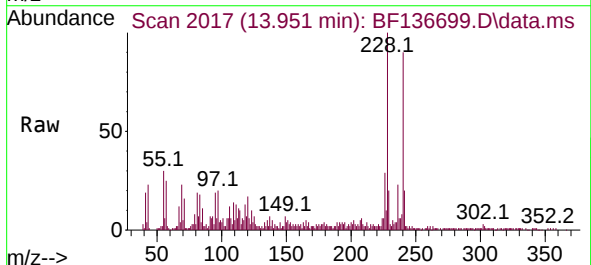
Instrument :
BNA_F
ClientSampleId :
RT-SB-03-9.5-10.5

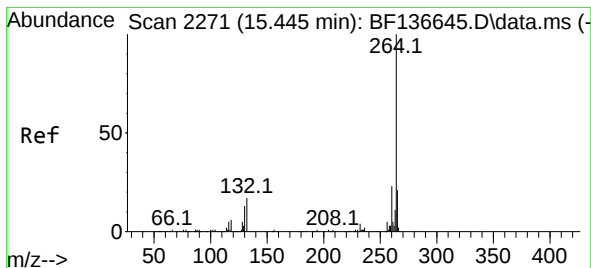
Tgt Ion:228 Resp: 38420
Ion Ratio Lower Upper
228 100
226 28.9 21.4 32.0
229 20.3 14.9 22.3



#83
Chrysene
Concen: 4.126 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.047 min
Lab File: BF136699.D
Acq: 22 Dec 2023 22:24

Tgt Ion:228 Resp: 38420
Ion Ratio Lower Upper
228 100
226 28.9 24.7 37.1
229 20.3 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF136699.D

Acq: 22 Dec 2023 22:24

Instrument :

BNA_F

ClientSampleId :

RT-SB-03-9.5-10.5

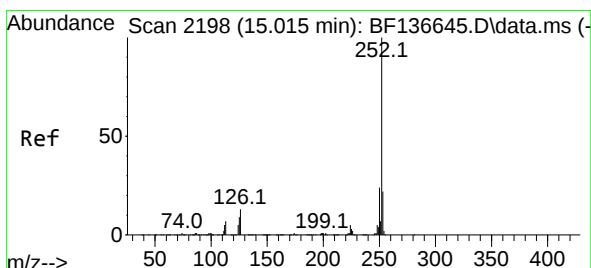
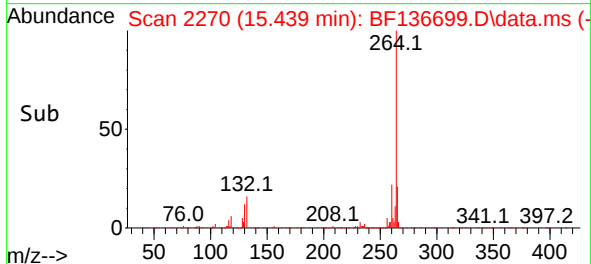
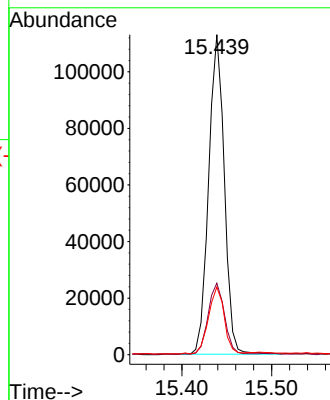
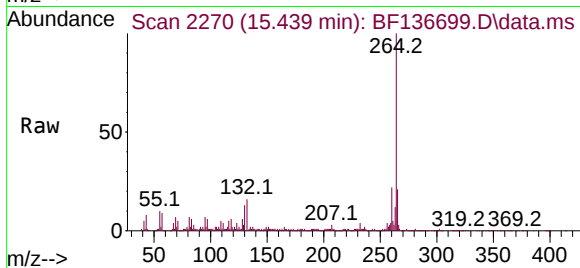
Tgt Ion:264 Resp: 136682

Ion Ratio Lower Upper

264 100

260 22.3 18.3 27.5

265 21.1 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 5.825 ng

RT: 15.004 min Scan# 2196

Delta R.T. -0.012 min

Lab File: BF136699.D

Acq: 22 Dec 2023 22:24

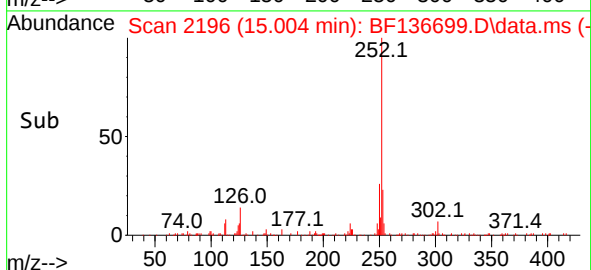
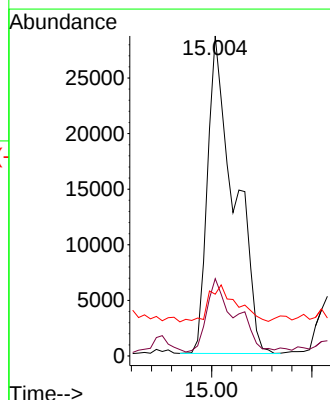
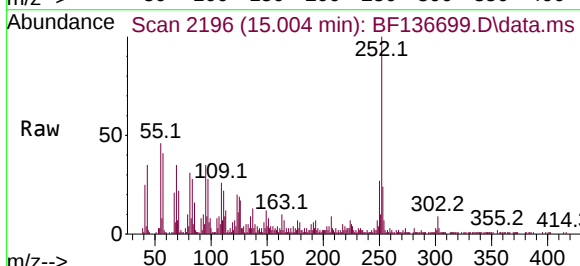
Tgt Ion:252 Resp: 53173

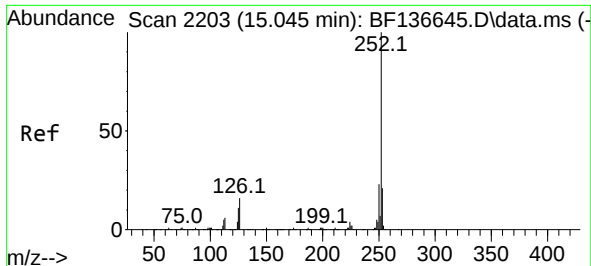
Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.0

125 19.3 7.4 11.2#





#89

Benzo(k)fluoranthene

Concen: 6.164 ng

RT: 15.004 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF136699.D

Acq: 22 Dec 2023 22:24

Instrument :

BNA_F

ClientSampleId :

RT-SB-03-9.5-10.5

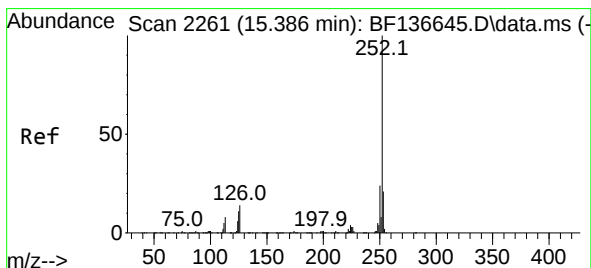
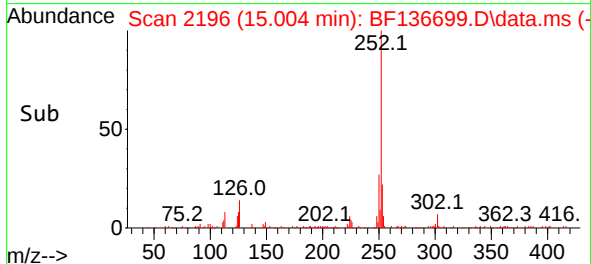
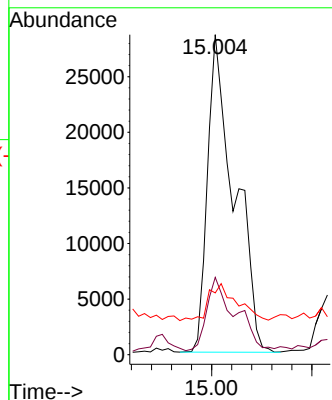
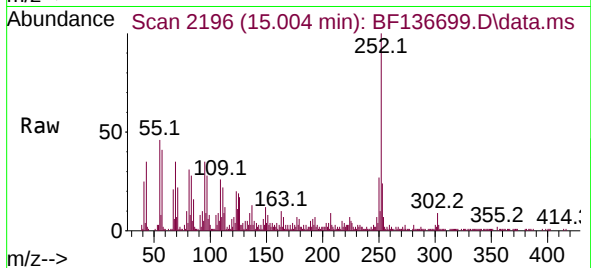
Tgt Ion:252 Resp: 53173

Ion Ratio Lower Upper

252 100

253 24.1 17.0 25.6

125 19.3 8.2 12.4#



#90

Benzo(a)pyrene

Concen: 3.335 ng

RT: 15.374 min Scan# 2259

Delta R.T. -0.012 min

Lab File: BF136699.D

Acq: 22 Dec 2023 22:24

Tgt Ion:252 Resp: 25698

Ion Ratio Lower Upper

252 100

253 26.6 17.0 25.6#

125 23.5 8.8 13.2#

