

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
 Data File : BF136702.D
 Acq On : 23 Dec 2023 00:02
 Operator : CG\JU
 Sample : 05796-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-05-10.25-11.25

Quant Time: Dec 23 01:58:15 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)

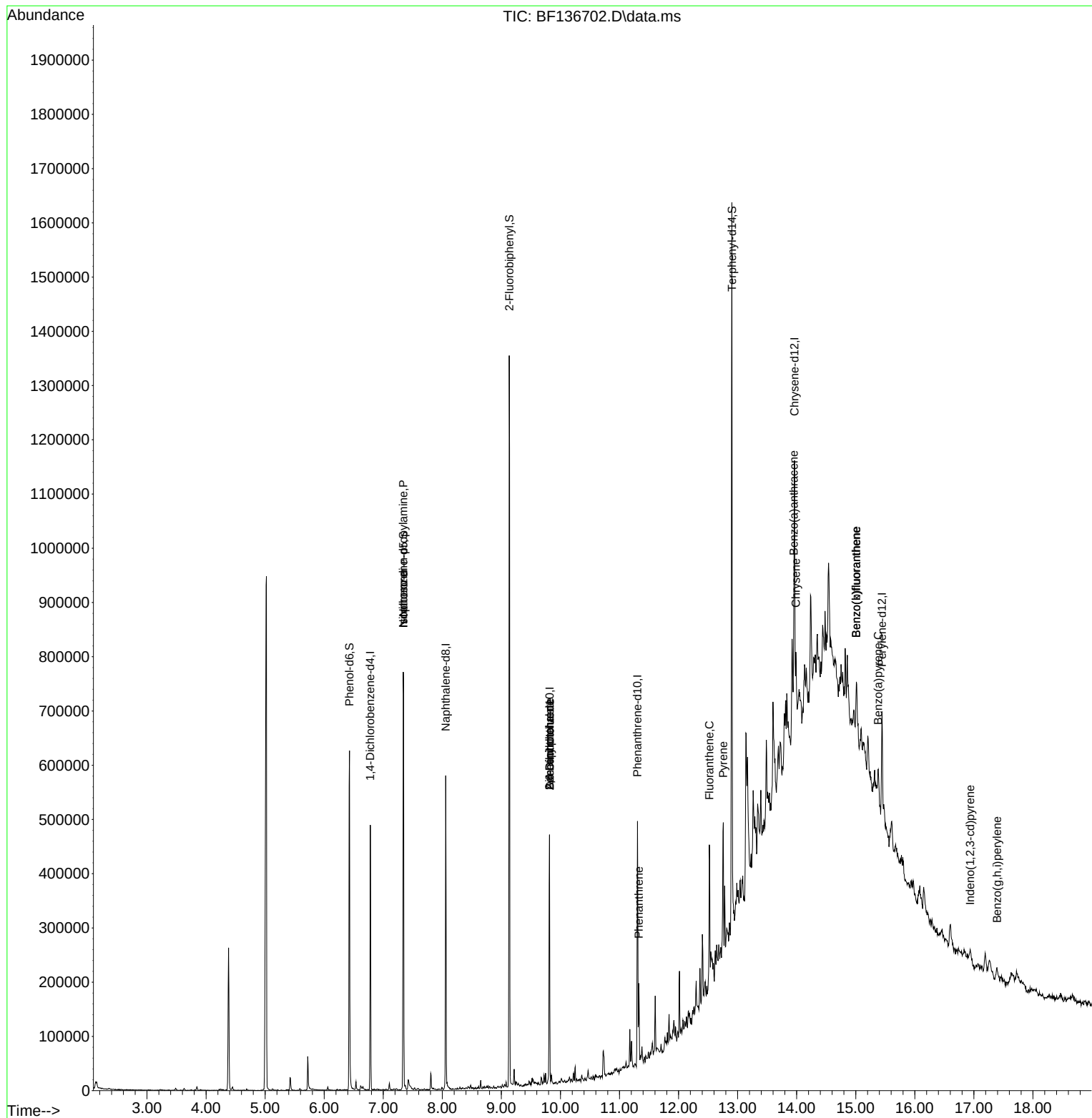
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	65953	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	217896	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	86260	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	155855	20.000	ng	-0.01
76) Chrysene-d12	13.962	240	137093	20.000	ng	0.00
86) Perylene-d12	15.445	264	92947	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	7682	1.817	ng	0.00
7) Phenol-d6	6.428	99	202244	36.925	ng	-0.01
23) Nitrobenzene-d5	7.339	82	241846	56.796	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	118	0.116	ng	-0.01
45) 2-Fluorobiphenyl	9.133	172	413882	64.533	ng	-0.02
79) Terphenyl-d14	12.904	244	442084	45.064	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.339	70	31819	9.583	ng	# 74
25) Isophorone	7.339	82	240807	31.079	ng	# 65
50) Dimethylphthalate	9.816	163	17365	2.756	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	11465	8.018	ng	# 29
57) 2,4-Dinitrotoluene	9.816	165	11465	6.176	ng	# 20
71) Phenanthrene	11.327	178	50381	6.300	ng	99
75) Fluoranthene	12.521	202	104889	12.262	ng	97
78) Pyrene	12.757	202	93473	6.946	ng	99
81) Benzo(a)anthracene	13.951	228	50990	5.356	ng	94
83) Chrysene	13.986	228	45696	4.909	ng	95
87) Indeno(1,2,3-cd)pyrene	16.939	276	17474	2.604	ng	98
88) Benzo(b)fluoranthene	15.009	252	56440	9.091	ng	# 77
89) Benzo(k)fluoranthene	15.009	252	56440	9.622	ng	# 76
90) Benzo(a)pyrene	15.380	252	24940	4.759	ng	# 69
92) Benzo(g,h,i)perylene	17.392	276	16605	2.945	ng	96

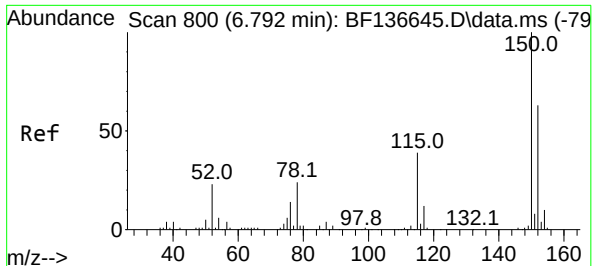
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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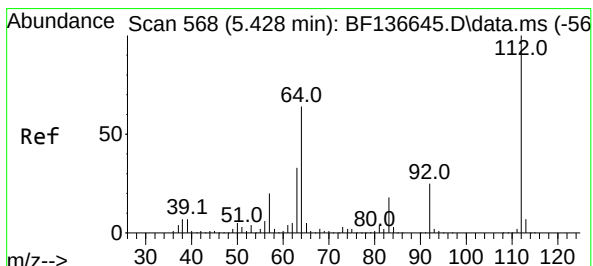
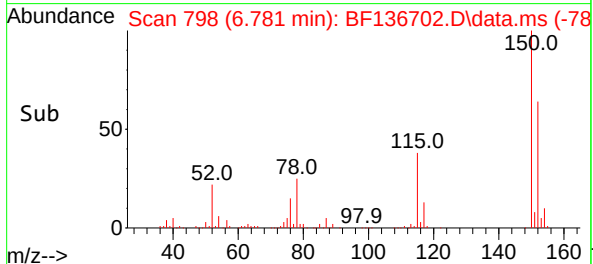
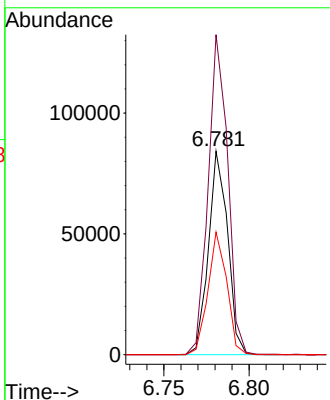
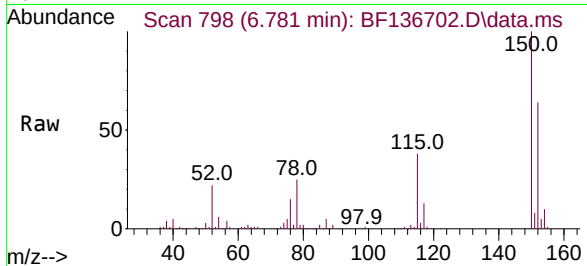




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 79
Delta R.T. -0.011 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

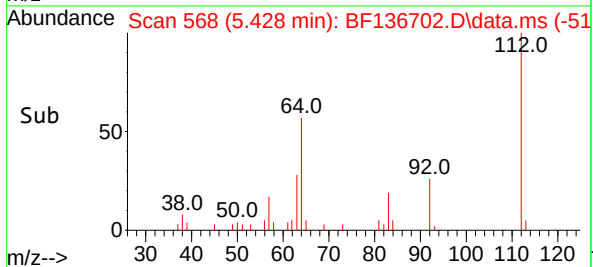
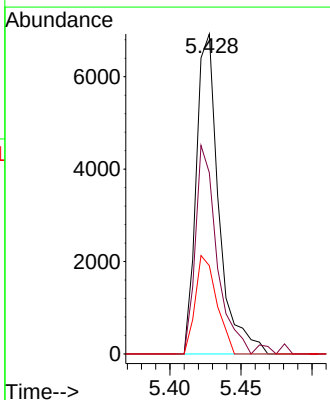
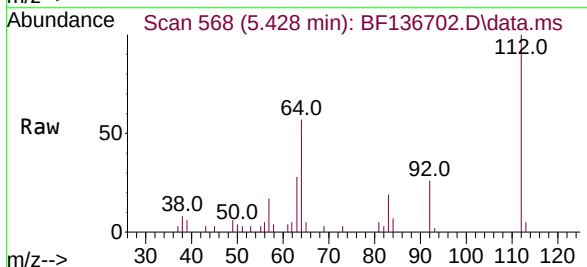
Instrument :
BNA_F
ClientSampleId :
RT-SB-05-10.25-11.25

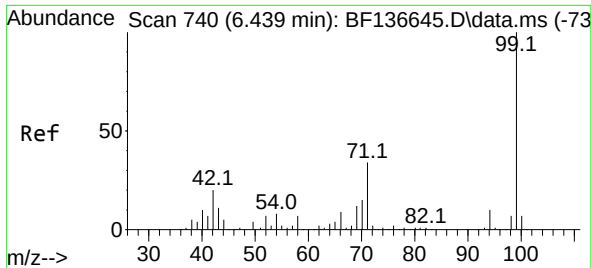
Tgt Ion:152 Resp: 65953
Ion Ratio Lower Upper
152 100
150 157.3 127.0 190.6
115 60.3 49.0 73.4



#5
2-Fluorophenol
Concen: 1.817 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

Tgt Ion:112 Resp: 7682
Ion Ratio Lower Upper
112 100
64 56.7 51.1 76.7
63 27.6 26.1 39.1

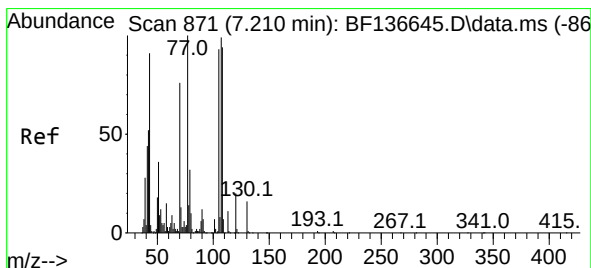
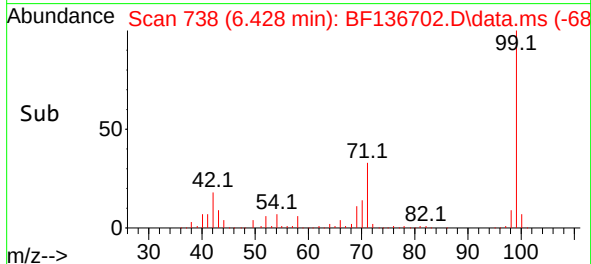
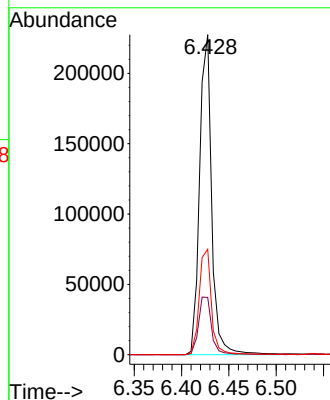
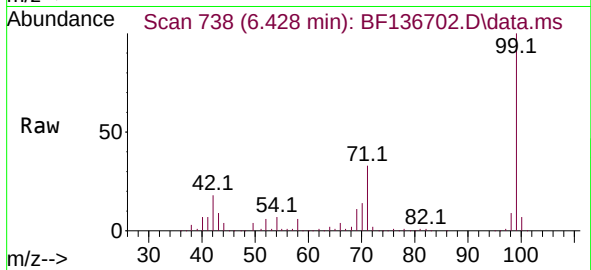




#7
Phenol-d6
Concen: 36.925 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

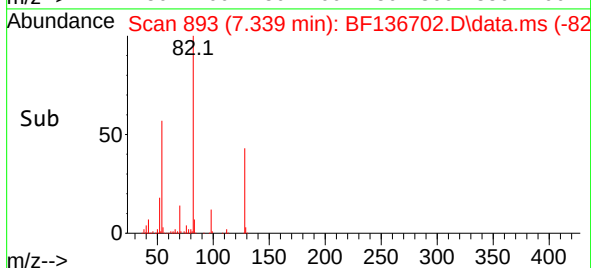
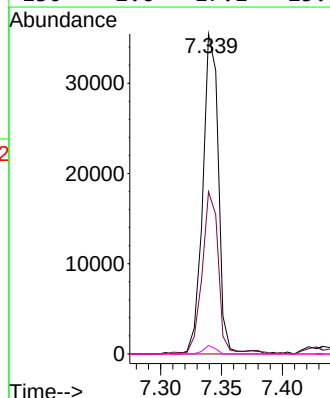
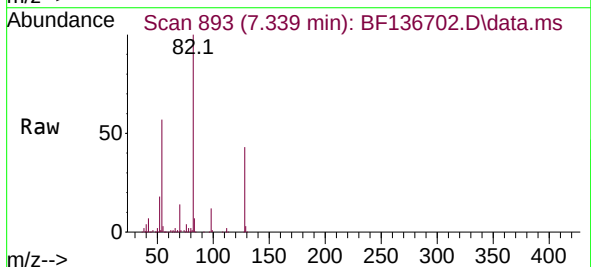
Instrument :
BNA_F
ClientSampleId :
RT-SB-05-10.25-11.25

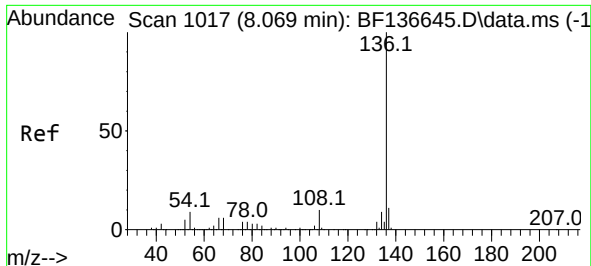
Tgt Ion: 99 Resp: 202244
Ion Ratio Lower Upper
99 100
42 17.9 16.1 24.1
71 33.0 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.583 ng
RT: 7.339 min Scan# 893
Delta R.T. 0.129 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

Tgt Ion: 70 Resp: 31819
Ion Ratio Lower Upper
70 100
42 50.7 54.2 81.4#
101 0.0 7.6 11.4#
130 2.6 17.1 25.7#

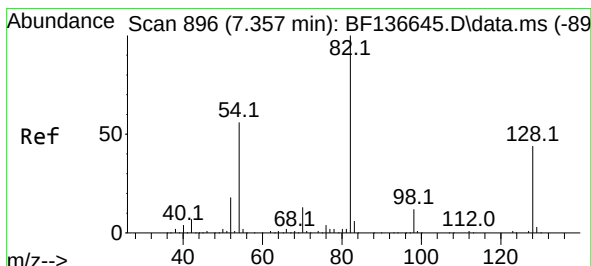
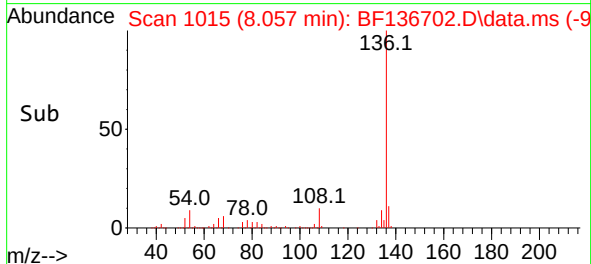
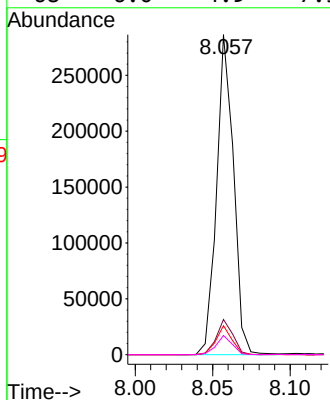
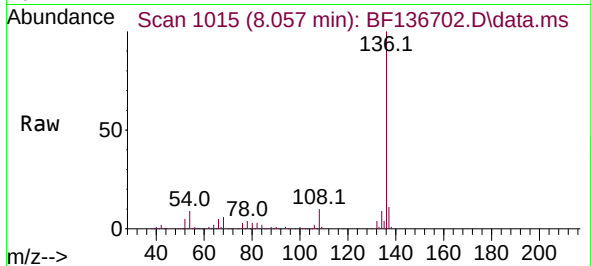




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.057 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

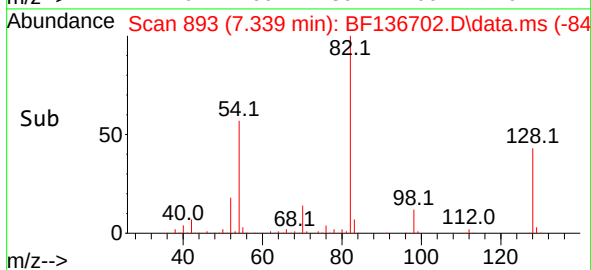
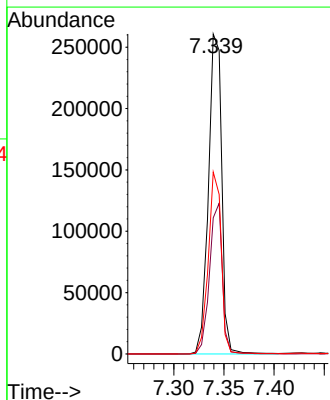
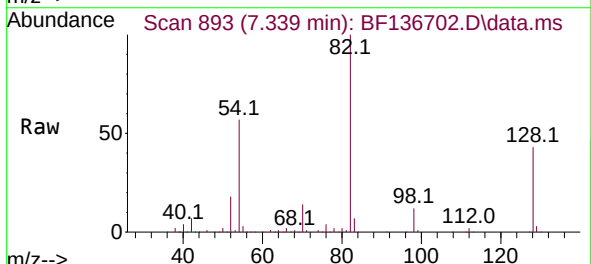
Instrument :
BNA_F
ClientSampleId :
RT-SB-05-10.25-11.25

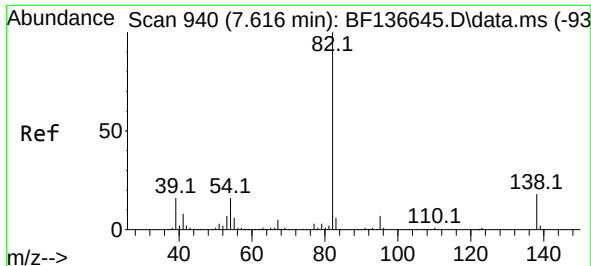
Tgt Ion:136	Resp:	217896	
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	9.0	7.2	10.8
68	6.0	4.9	7.3



#23
Nitrobenzene-d5
Concen: 56.796 ng
RT: 7.339 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

Tgt Ion: 82	Resp: 241846
Ion Ratio	Lower Upper
82 100	
128 42.5	35.3 52.9
54 56.8	44.5 66.7

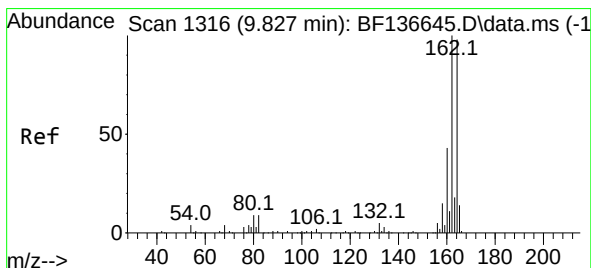
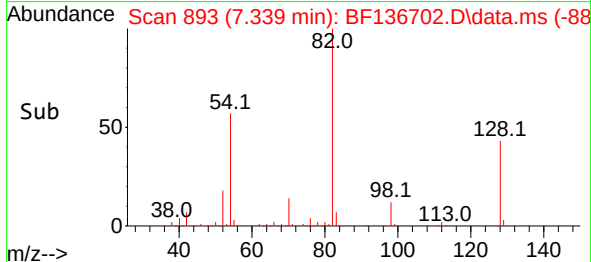
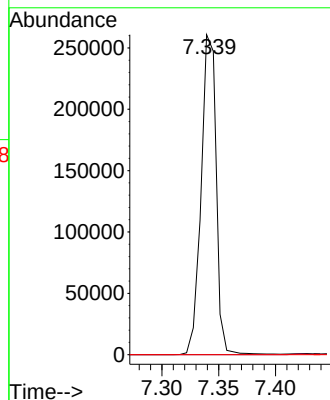
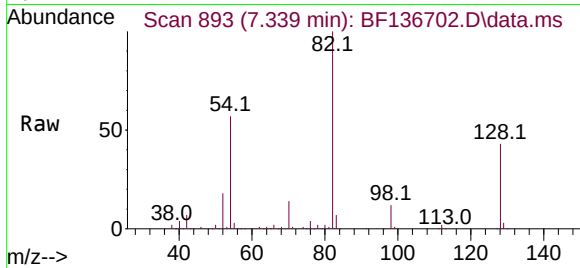




#25
Isophorone
Concen: 31.079 ng
RT: 7.339 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

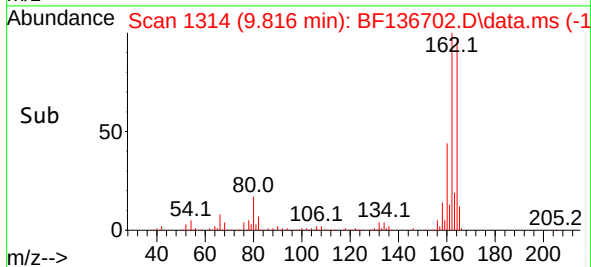
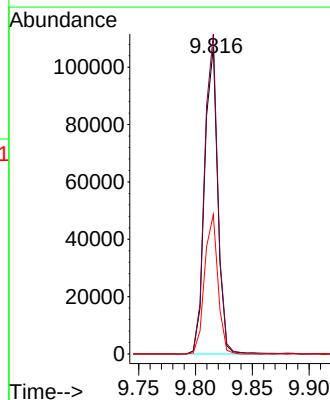
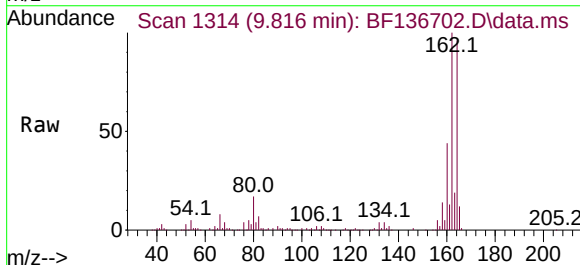
Instrument :
BNA_F
ClientSampleId :
RT-SB-05-10.25-11.25

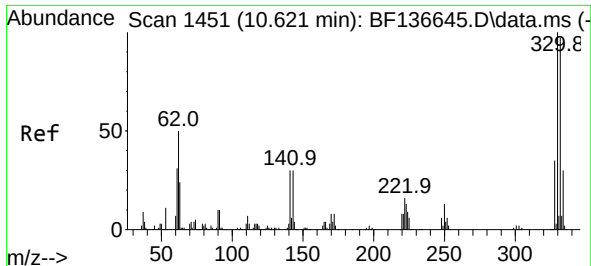
Tgt Ion: 82 Resp: 240807
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

Tgt Ion:164 Resp: 86260
Ion Ratio Lower Upper
164 100
162 104.3 81.6 122.4
160 45.4 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 0.116 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136702.D

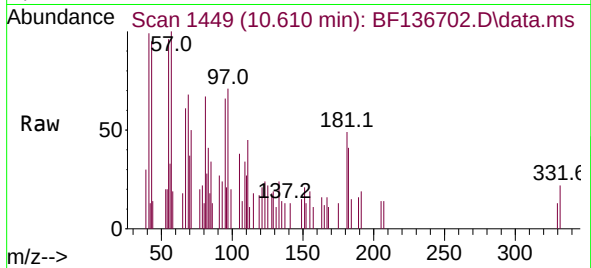
Acq: 23 Dec 2023 00:02

Instrument :

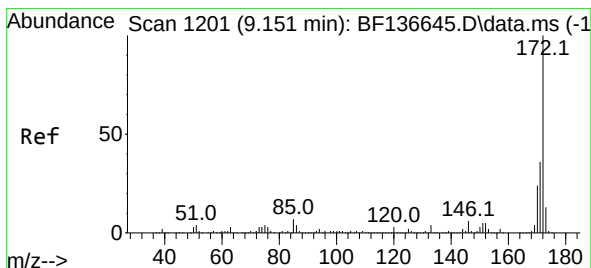
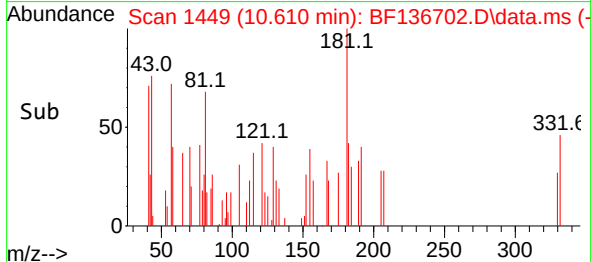
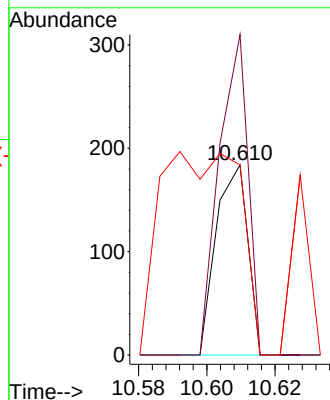
BNA_F

ClientSampleId :

RT-SB-05-10.25-11.25



Tgt Ion:	330	Resp:	118
Ion Ratio	Lower	Upper	
330	100		
332	154.2	77.4	116.0#
141	274.6	23.4	35.2#



#45

2-Fluorobiphenyl

Concen: 64.533 ng

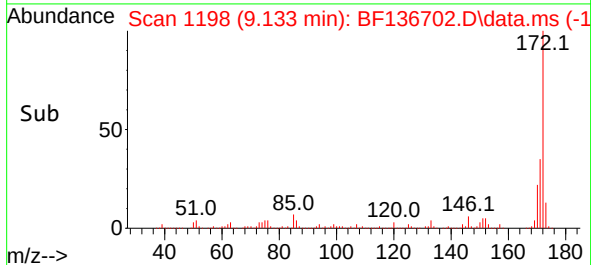
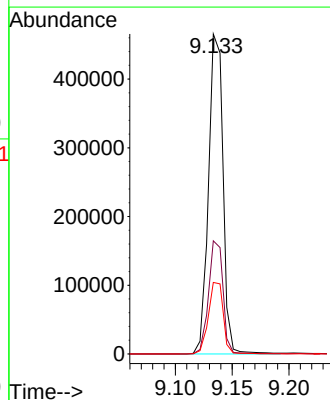
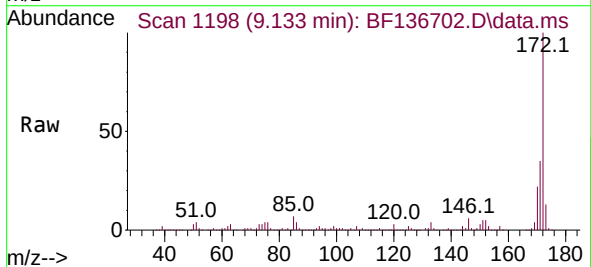
RT: 9.133 min Scan# 1198

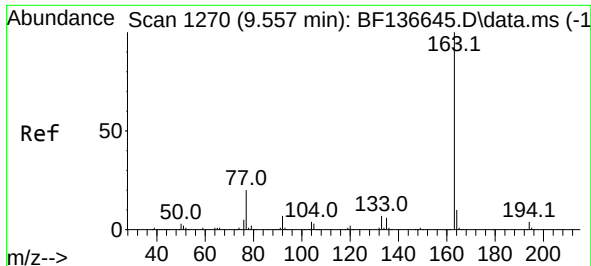
Delta R.T. -0.018 min

Lab File: BF136702.D

Acq: 23 Dec 2023 00:02

Tgt Ion:	172	Resp:	413882
Ion Ratio	Lower	Upper	
172	100		
171	35.4	29.0	43.6
170	22.4	19.0	28.4

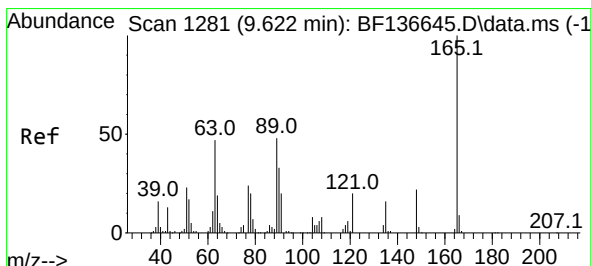
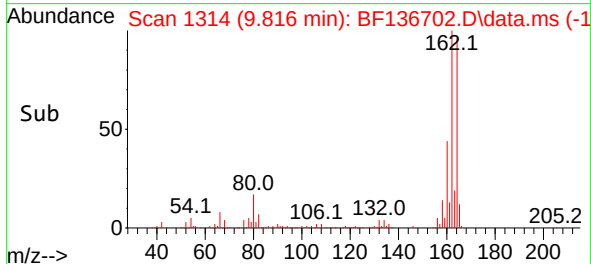
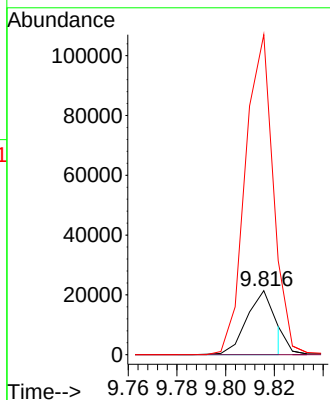
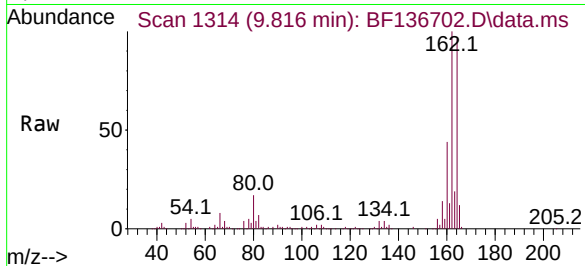




#50
Dimethylphthalate
Concen: 2.756 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

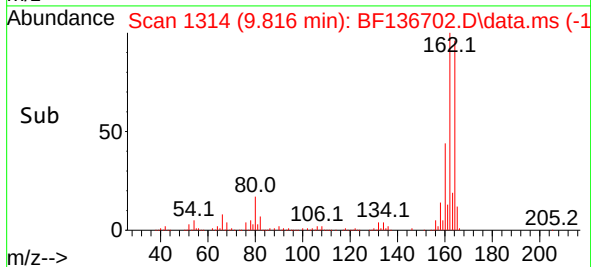
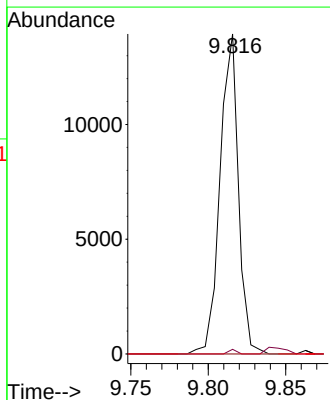
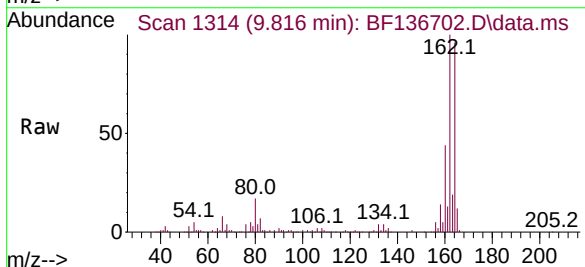
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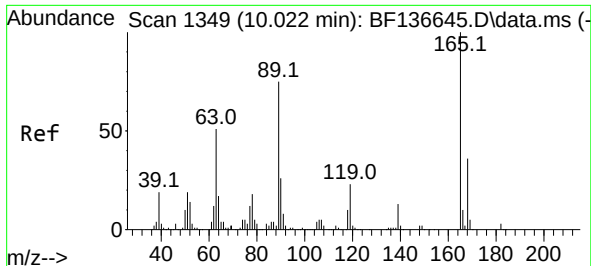
Tgt Ion:163 Resp: 17365
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 499.4 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 8.018 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

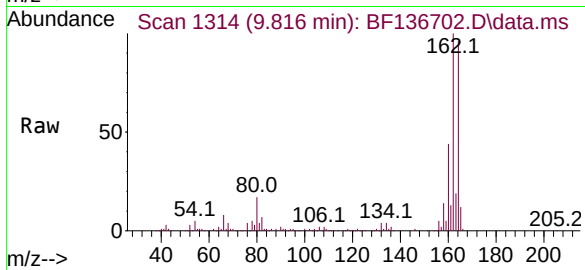
Tgt Ion:165 Resp: 11465
Ion Ratio Lower Upper
165 100
63 1.5 39.8 59.6#
89 0.0 38.8 58.2#



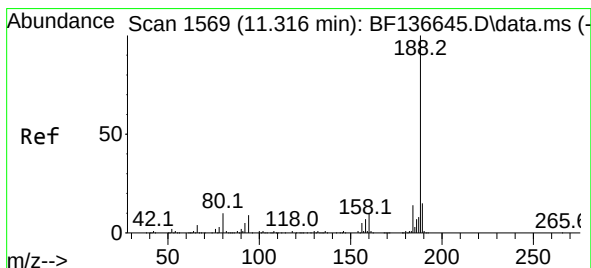
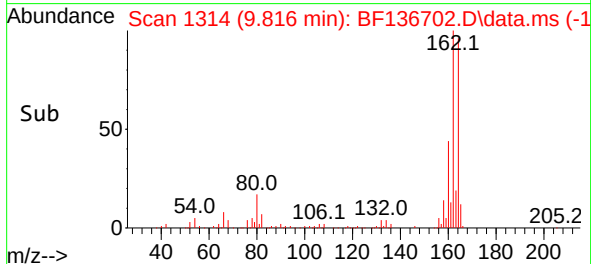
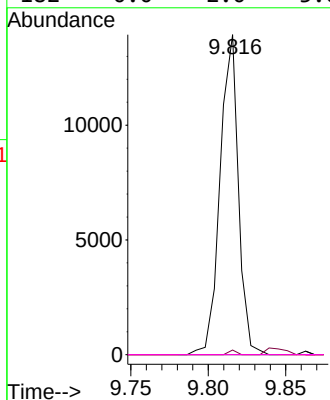


#57
2,4-Dinitrotoluene
Concen: 6.176 ng
RT: 9.816 min Scan# 11465
Delta R.T. -0.206 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

Instrument :
BNA_F
ClientSampleId :
RT-SB-05-10.25-11.25

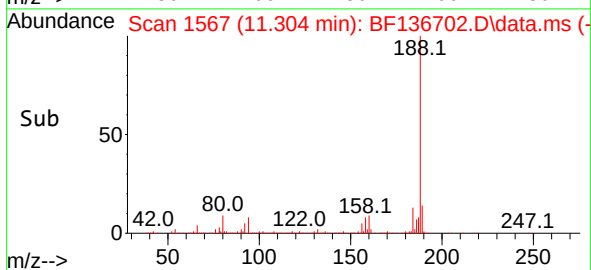
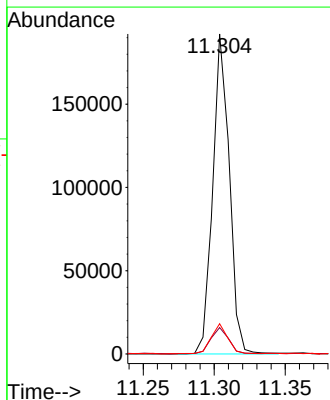
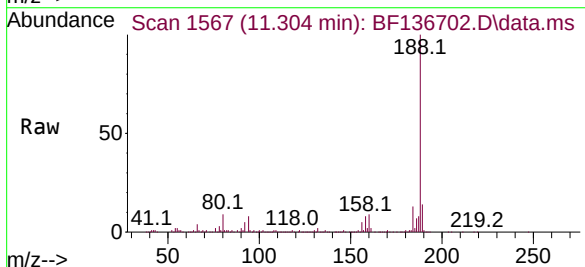


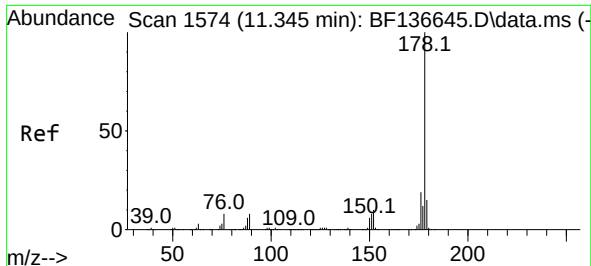
Tgt Ion:165 Resp: 11465
Ion Ratio Lower Upper
165 100
63 1.5 41.0 61.6#
89 0.0 59.9 89.9#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1567
Delta R.T. -0.012 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

Tgt Ion:188 Resp: 155855
Ion Ratio Lower Upper
188 100
94 8.3 7.5 11.3
80 9.4 8.1 12.1

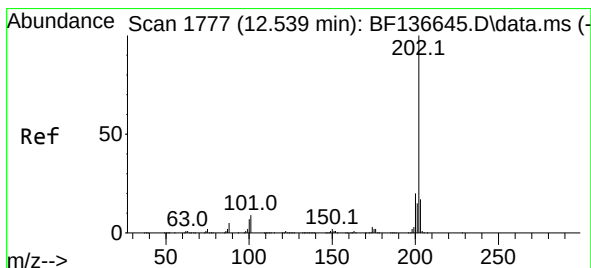
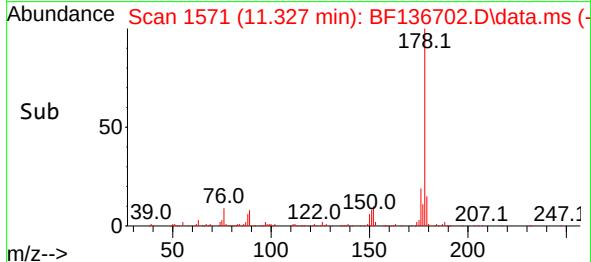
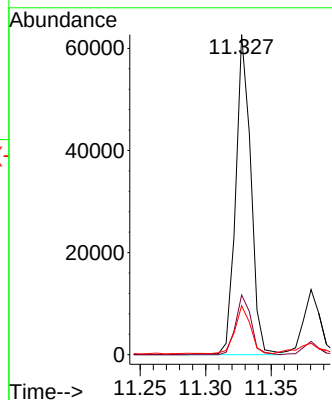
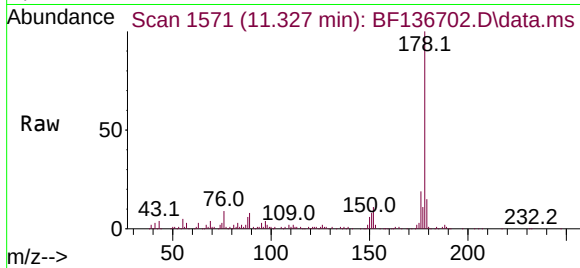




#71
Phenanthrene
Concen: 6.300 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

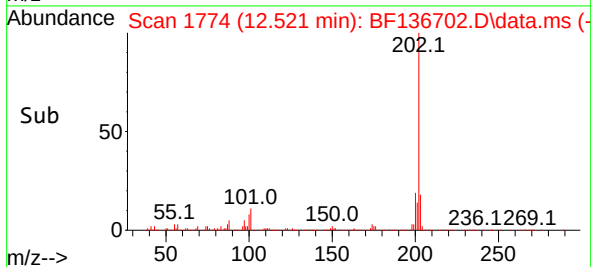
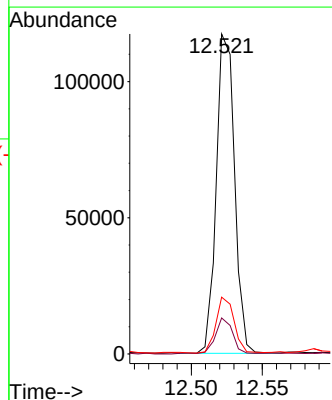
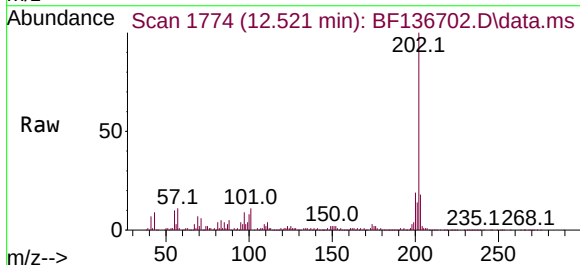
Instrument :
BNA_F
ClientSampleId :
RT-SB-05-10.25-11.25

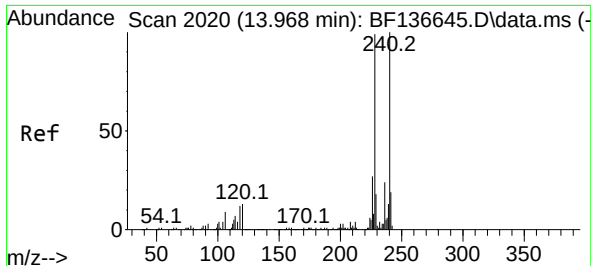
Tgt Ion:178 Resp: 50381
Ion Ratio Lower Upper
178 100
176 18.6 15.3 22.9
179 15.3 11.9 17.9



#75
Fluoranthene
Concen: 12.262 ng
RT: 12.521 min Scan# 1774
Delta R.T. -0.018 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

Tgt Ion:202 Resp: 104889
Ion Ratio Lower Upper
202 100
101 11.3 0.0 29.3
203 17.7 0.0 37.1

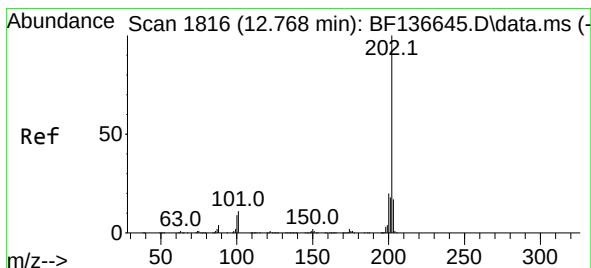
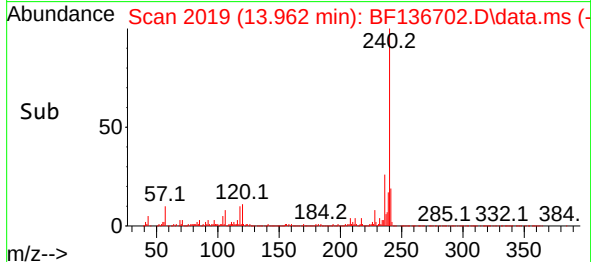
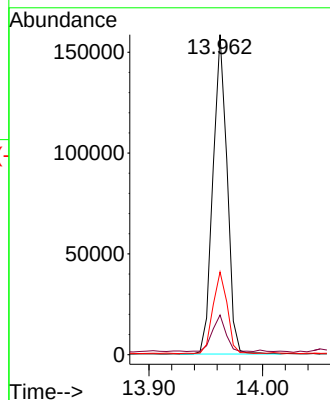
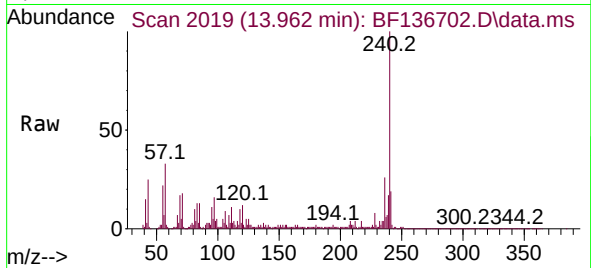




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.962 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

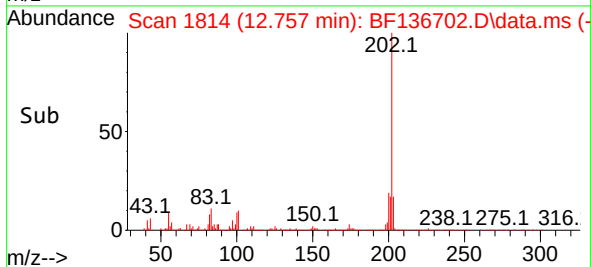
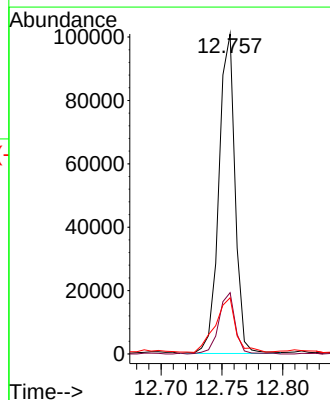
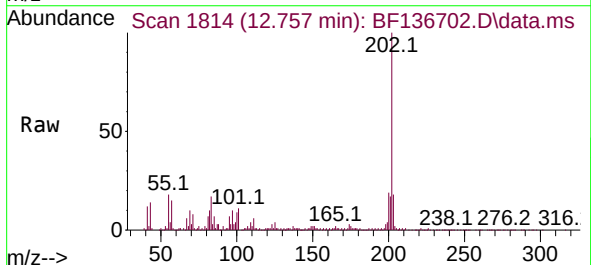
Instrument :
BNA_F
ClientSampleId :
RT-SB-05-10.25-11.25

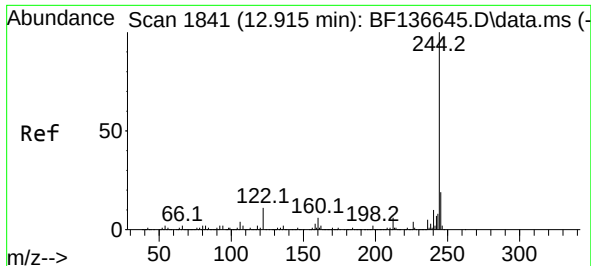
Tgt Ion:240 Resp: 137093
Ion Ratio Lower Upper
240 100
120 12.4 10.3 15.5
236 25.9 19.4 29.2



#78
Pyrene
Concen: 6.946 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

Tgt Ion:202 Resp: 93473
Ion Ratio Lower Upper
202 100
200 19.2 15.9 23.9
203 17.5 13.8 20.6

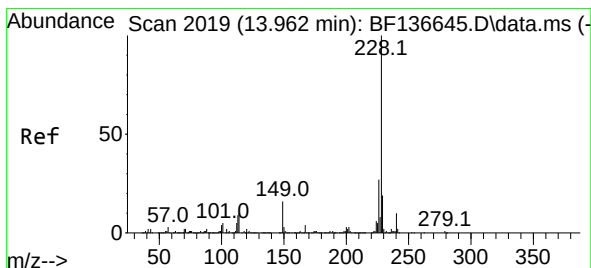
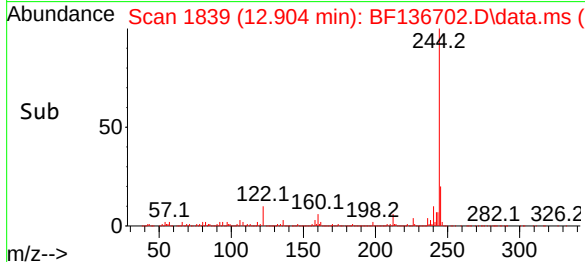
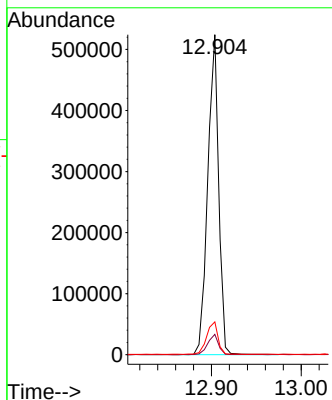
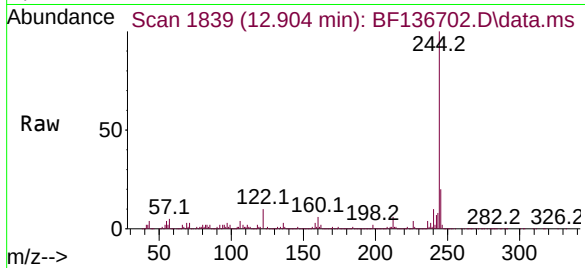




#79
 Terphenyl-d14
 Concen: 45.064 ng
 RT: 12.904 min Scan# 1839
 Delta R.T. -0.012 min
 Lab File: BF136702.D
 Acq: 23 Dec 2023 00:02

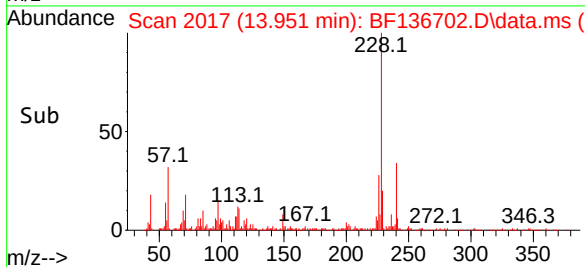
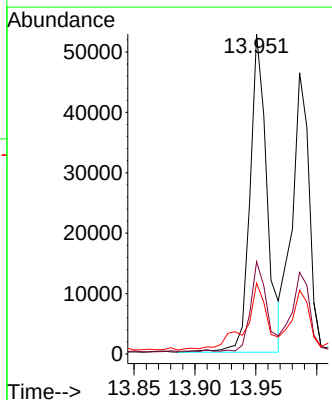
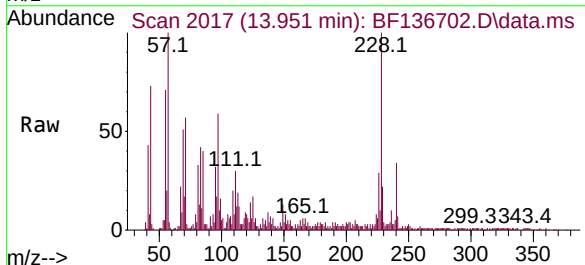
Instrument :
 BNA_F
 ClientSampleId :
 RT-SB-05-10.25-11.25

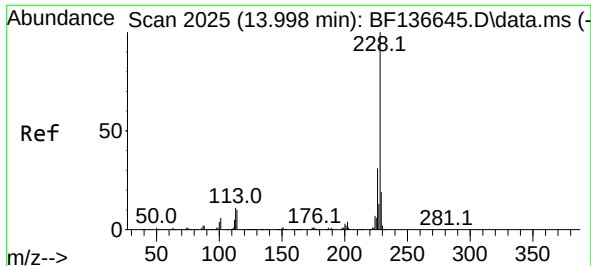
Tgt Ion:244 Resp: 442084
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.0 7.4
 122 10.3 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 5.356 ng
 RT: 13.951 min Scan# 2017
 Delta R.T. -0.012 min
 Lab File: BF136702.D
 Acq: 23 Dec 2023 00:02

Tgt Ion:228 Resp: 50990
 Ion Ratio Lower Upper
 228 100
 226 28.9 21.4 32.0
 229 22.1 14.9 22.3

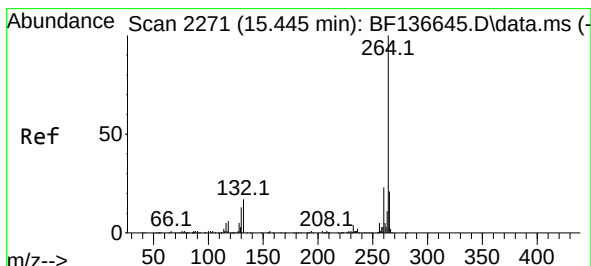
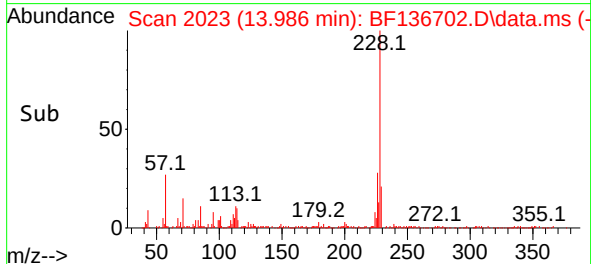
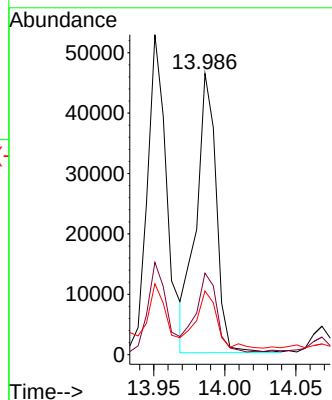
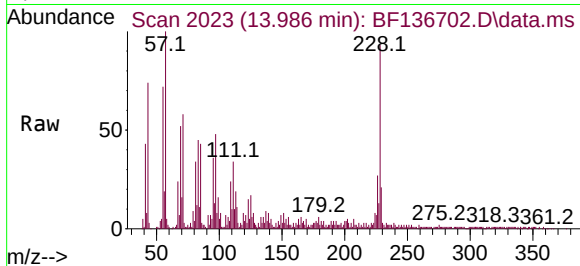




#83
Chrysene
Concen: 4.909 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

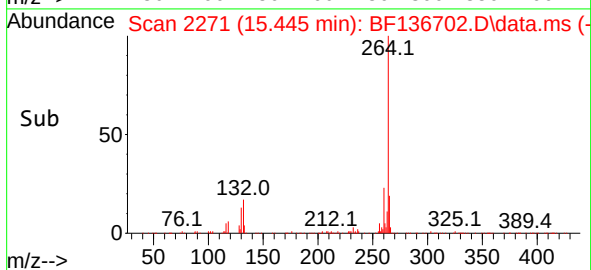
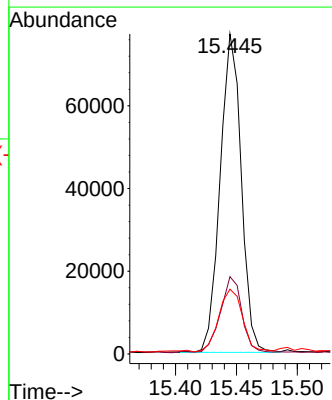
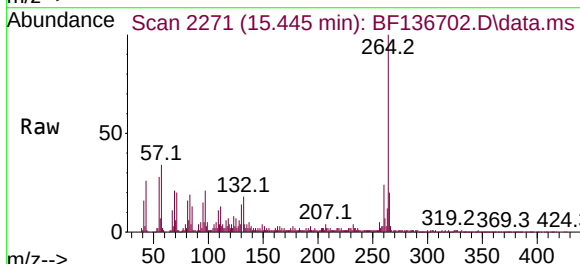
Instrument :
BNA_F
ClientSampleId :
RT-SB-05-10.25-11.25

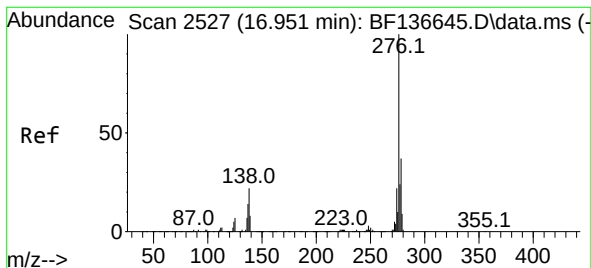
Tgt Ion:	228	Resp:	45696
Ion Ratio	Lower	Upper	
228	100		
226	29.0	24.7	37.1
229	22.6	15.4	23.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF136702.D
Acq: 23 Dec 2023 00:02

Tgt Ion:	264	Resp:	92947
Ion Ratio	Lower	Upper	
264	100		
260	24.2	18.3	27.5
265	20.3	17.0	25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.604 ng

RT: 16.939 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF136702.D

Acq: 23 Dec 2023 00:02

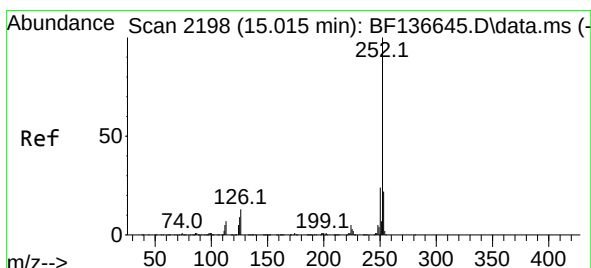
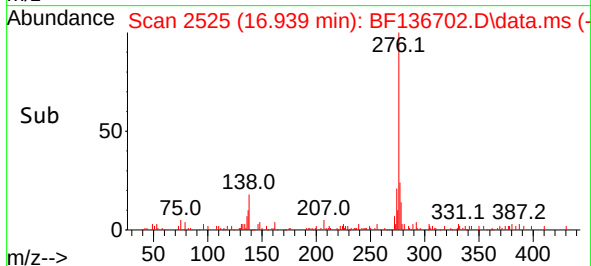
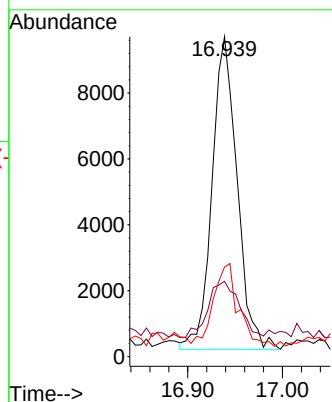
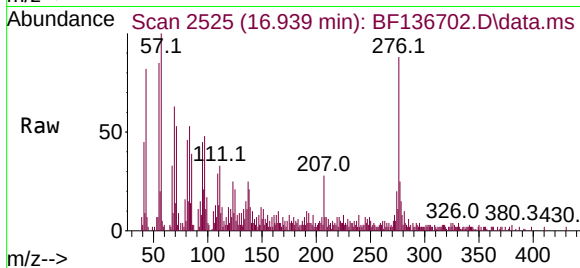
Instrument :

BNA_F

ClientSampleId :

RT-SB-05-10.25-11.25

Tgt Ion:	276	Resp:	17474
Ion Ratio	Lower	Upper	
276	100		
138	22.5	18.7	28.1
277	26.5	20.2	30.2



#88

Benzo(b)fluoranthene

Concen: 9.091 ng

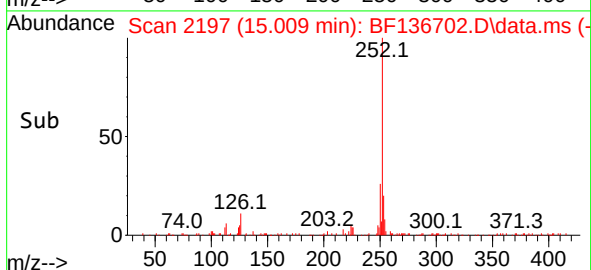
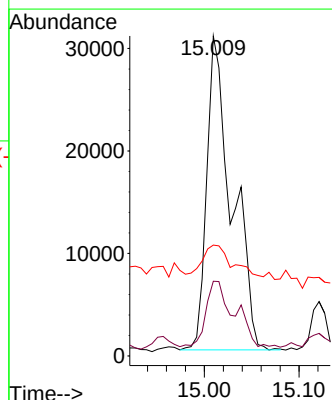
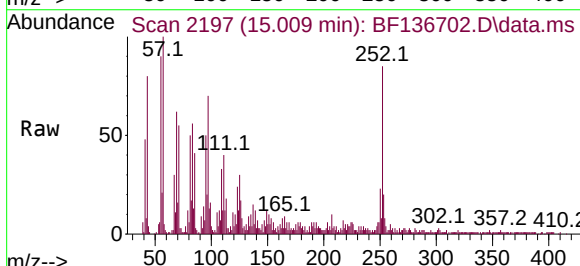
RT: 15.009 min Scan# 2197

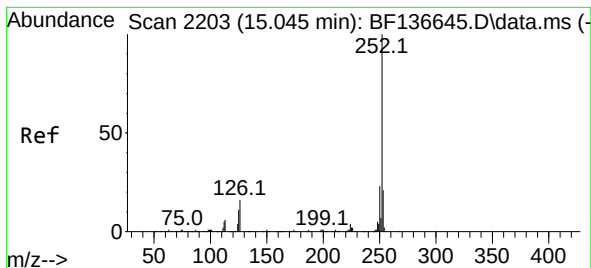
Delta R.T. -0.006 min

Lab File: BF136702.D

Acq: 23 Dec 2023 00:02

Tgt Ion:	252	Resp:	56440
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.4	26.0
125	34.7	7.4	11.2





#89

Benzo(k)fluoranthene

Concen: 9.622 ng

RT: 15.009 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF136702.D

Acq: 23 Dec 2023 00:02

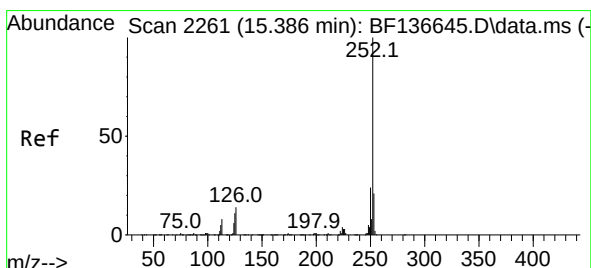
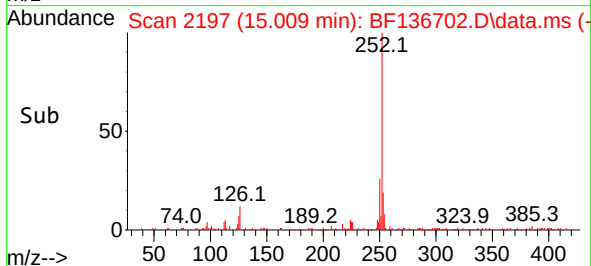
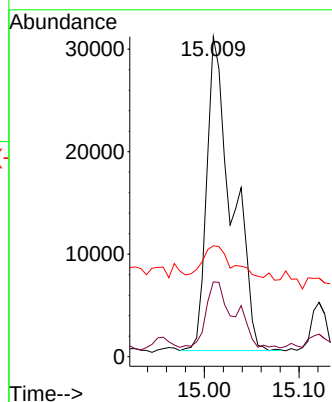
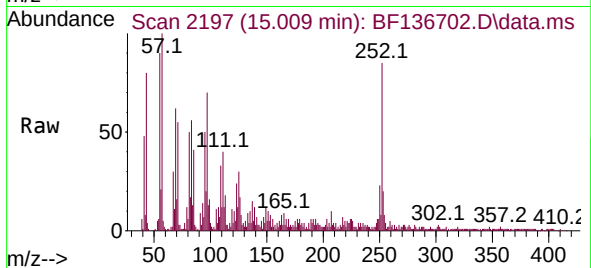
Instrument :

BNA_F

ClientSampleId :

RT-SB-05-10.25-11.25

Tgt Ion:252	Resp:	56440
Ion Ratio	Lower	Upper
252	100	
253	23.3	17.0 25.6
125	34.7	8.2 12.4#



#90

Benzo(a)pyrene

Concen: 4.759 ng

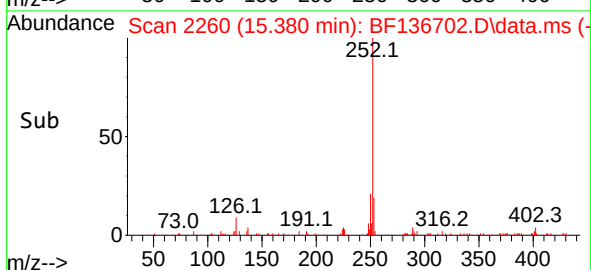
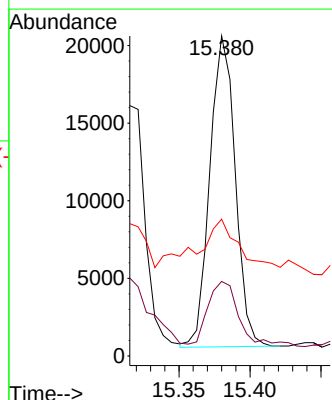
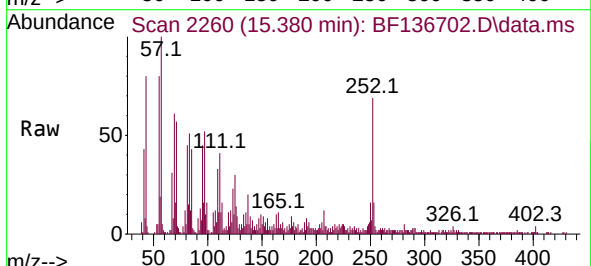
RT: 15.380 min Scan# 2260

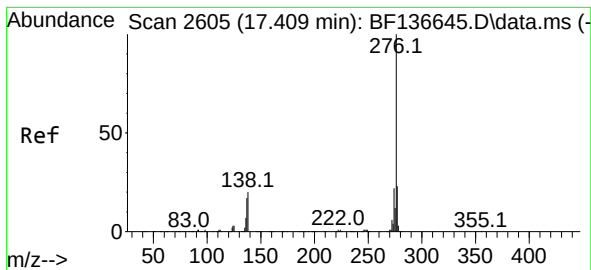
Delta R.T. -0.006 min

Lab File: BF136702.D

Acq: 23 Dec 2023 00:02

Tgt Ion:252	Resp:	24940
Ion Ratio	Lower	Upper
252	100	
253	23.3	17.0 25.6
125	42.7	8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 2.945 ng

RT: 17.392 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF136702.D

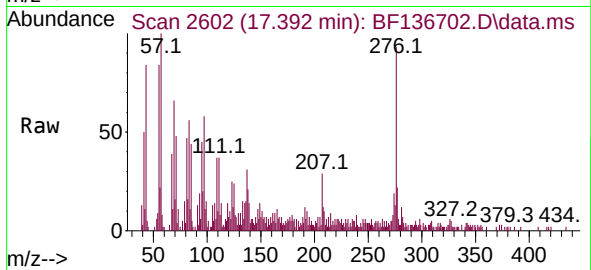
Acq: 23 Dec 2023 00:02

Instrument :

BNA_F

ClientSampleId :

RT-SB-05-10.25-11.25



Tgt Ion:276 Resp: 16605

Ion Ratio Lower Upper

276 100

277 23.6 18.3 27.5

138 22.6 15.6 23.4

