

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030823\
 Data File : BF132706.D
 Acq On : 08 Mar 2023 23:42
 Operator : CG\JU
 Sample : 01829-13
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-11-20230306

Quant Time: Mar 09 04:02:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 07 13:42:31 2023
 Response via : Initial Calibration

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

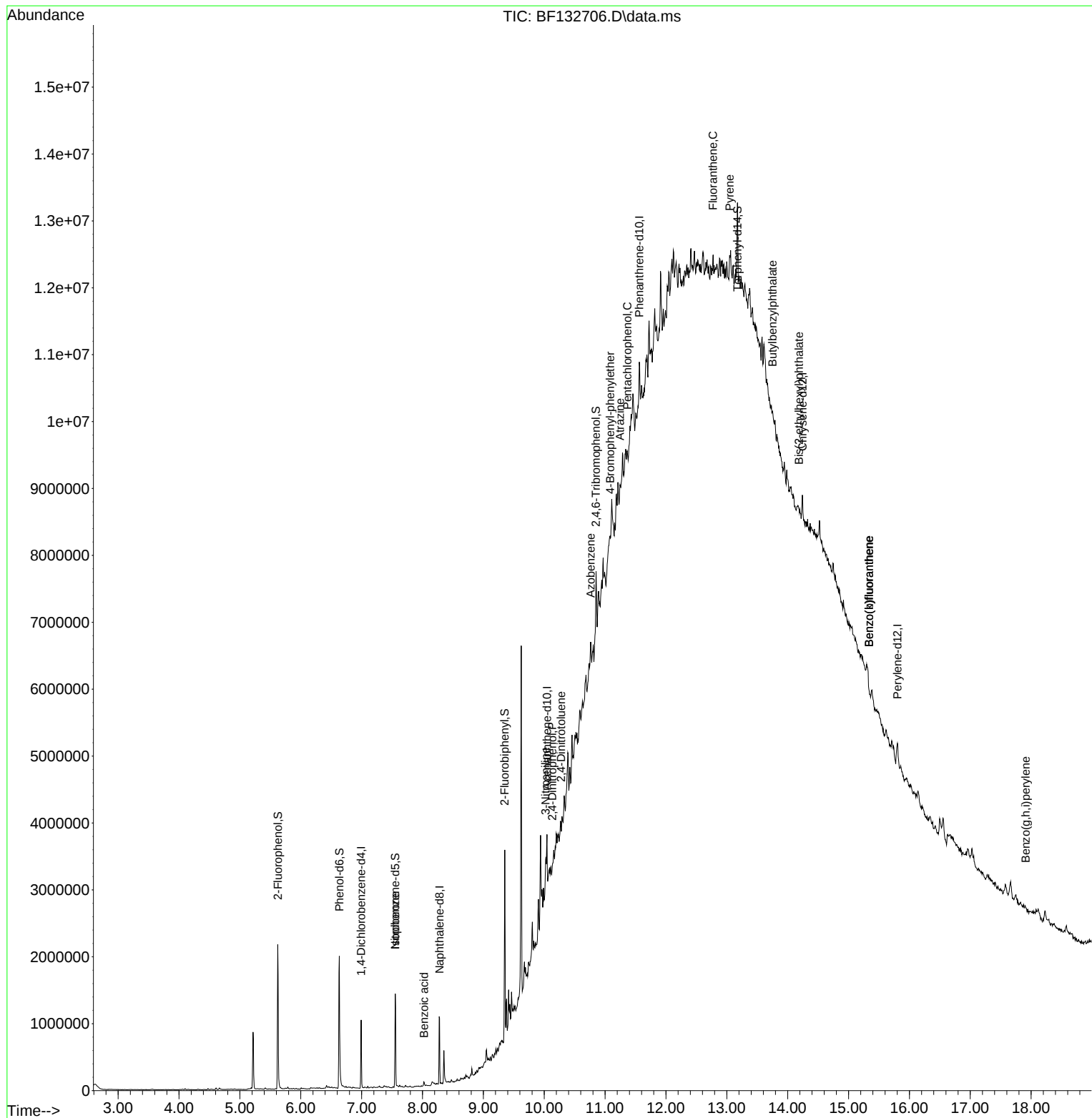
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.993	152	136752	20.000	ng	0.00
21) Naphthalene-d8	8.281	136	448318	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	190421	20.000	ng	0.00
64) Phenanthrene-d10	11.563	188	252094	20.000	ng	# 0.03
76) Chrysene-d12	14.245	240	160375	20.000	ng	# 0.05
86) Perylene-d12	15.804	264	144968	20.000	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.622	112	635380	75.407	ng	0.00
7) Phenol-d6	6.634	99	787101	71.576	ng	0.01
23) Nitrobenzene-d5	7.551	82	440609	46.629	ng	-0.01
42) 2,4,6-Tribromophenol	10.851	330	148133	72.033	ng	0.02
45) 2-Fluorobiphenyl	9.351	172	814103	65.098	ng	0.00
79) Terphenyl-d14	13.175	244	625334	65.926	ng	0.05
Target Compounds						Qvalue
25) Isophorone	7.551	82	440530	24.316	ng	# 67
32) Benzoic acid	8.028	122	10370	5.557	ng	91
53) 3-Nitroaniline	10.022	138	18544	5.250	ng	# 12
54) 2,4-Dinitrophenol	10.134	184	352	2.018	ng	# 1
57) 2,4-Dinitrotoluene	10.275	165	18657	4.441	ng	# 30
63) Azobenzene	10.763	77	36638	2.555	ng	# 42
67) 4-Bromophenyl-phenylether	11.086	248	9441	3.311	ng	# 1
69) Atrazine	11.245	200	15761	6.424	ng	# 1
70) Pentachlorophenol	11.369	266	5675	3.179	ng	# 1
75) Fluoranthene	12.775	202	40698	2.851	ng	# 1
78) Pyrene	13.045	202	177004	12.139	ng	# 69
80) Butylbenzylphthalate	13.751	149	12294	2.137	ng	86
84) Bis(2-ethylhexyl)phtha...	14.186	149	29346	4.152	ng	# 85
88) Benzo(b)fluoranthene	15.339	252	24155	2.486	ng	# 1
89) Benzo(k)fluoranthene	15.339	252	24155	2.540	ng	# 1
92) Benzo(g,h,i)perylene	17.910	276	9678	2.684	ng	# 1

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

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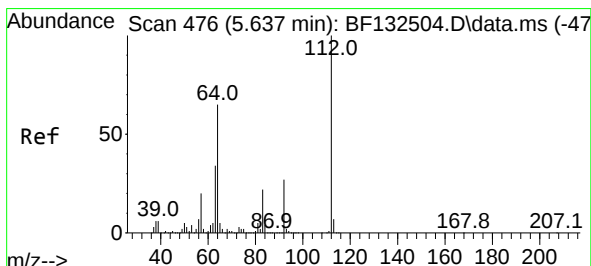
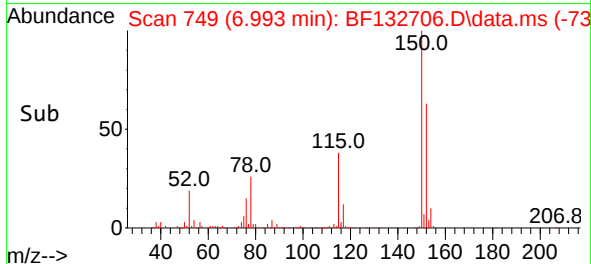
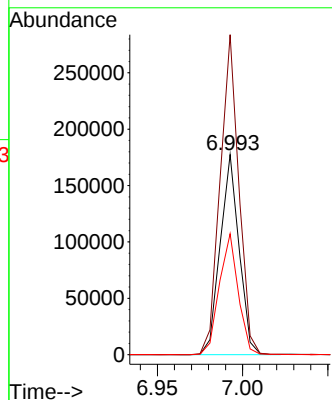
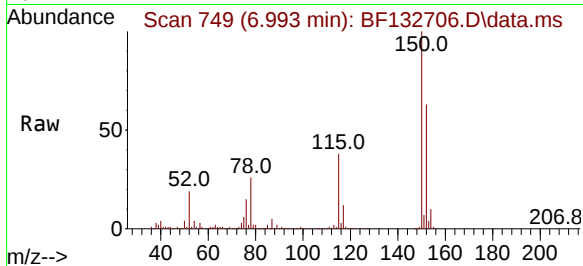




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.993 min Scan# 710
Delta R.T. -0.000 min
Lab File: BF132706.D
Acq: 08 Mar 2023 23:42

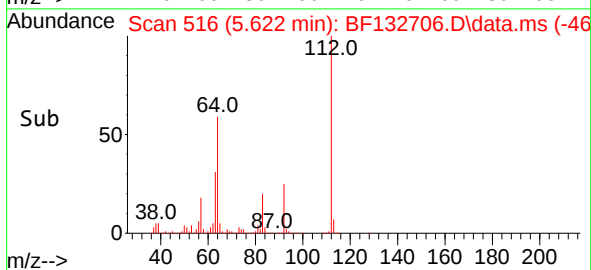
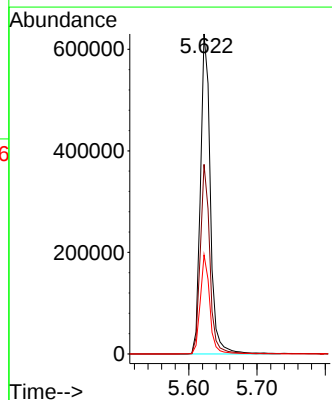
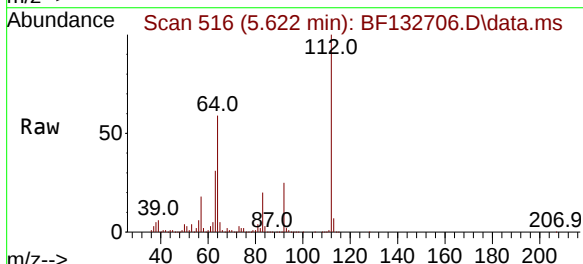
Instrument :
BNA_F
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SS-11-20230306

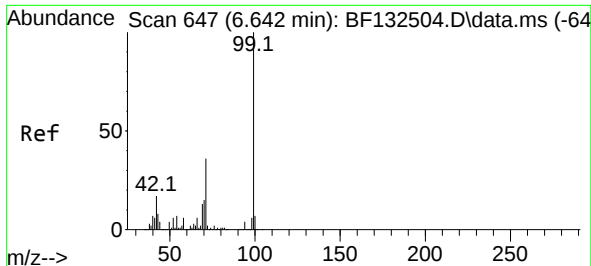
Tgt Ion:152 Resp: 136752
Ion Ratio Lower Upper
152 100
150 159.9 125.4 188.2
115 60.5 47.8 71.6



#5
2-Fluorophenol
Concen: 75.407 ng
RT: 5.622 min Scan# 516
Delta R.T. 0.006 min
Lab File: BF132706.D
Acq: 08 Mar 2023 23:42

Tgt Ion:112 Resp: 635380
Ion Ratio Lower Upper
112 100
64 59.2 51.6 77.4
63 31.0 27.4 41.2

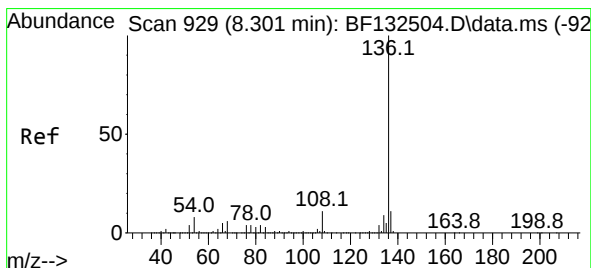
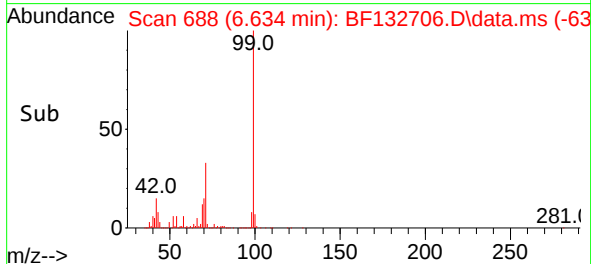
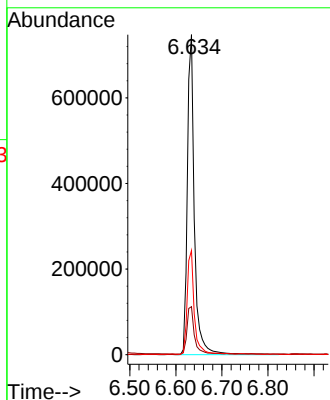
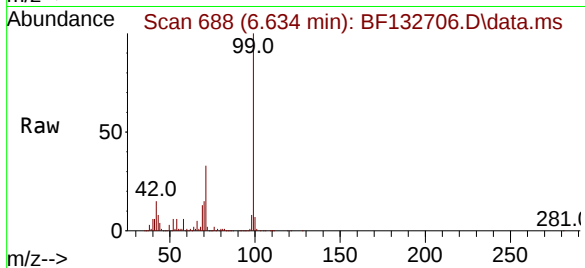




#7
Phenol-d6
Concen: 71.576 ng
RT: 6.634 min Scan# 61
Delta R.T. 0.012 min
Lab File: BF132706.D
Acq: 08 Mar 2023 23:42

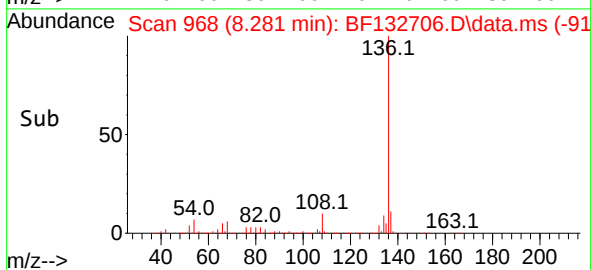
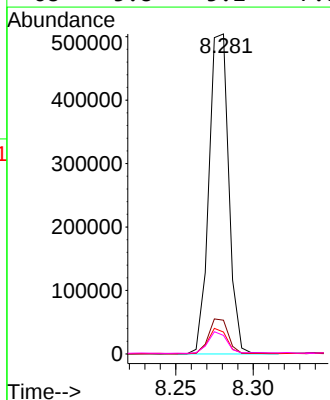
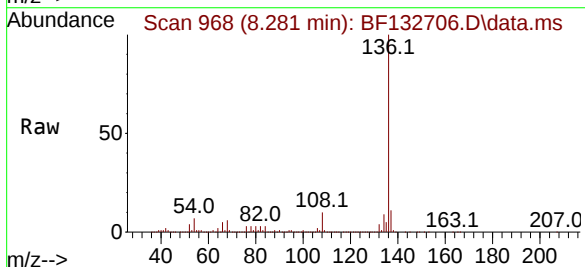
Instrument :
BNA_F
ClientSampleId :
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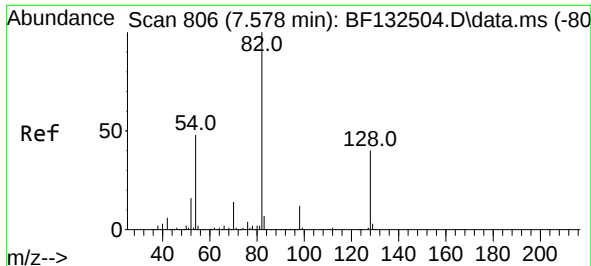
Tgt Ion: 99 Resp: 787101
Ion Ratio Lower Upper
99 100
42 15.0 13.9 20.9
71 32.6 28.5 42.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.281 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF132706.D
Acq: 08 Mar 2023 23:42

Tgt Ion: 136 Resp: 448318
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 6.9 6.2 9.4
68 5.8 5.2 7.8

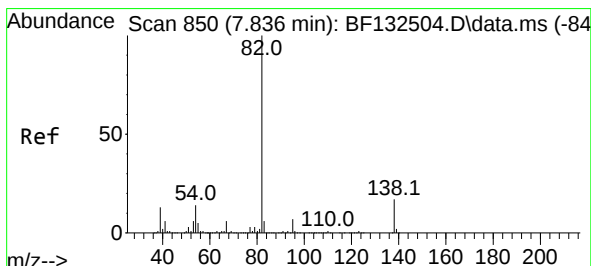
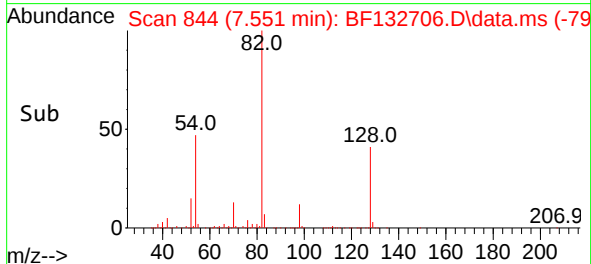
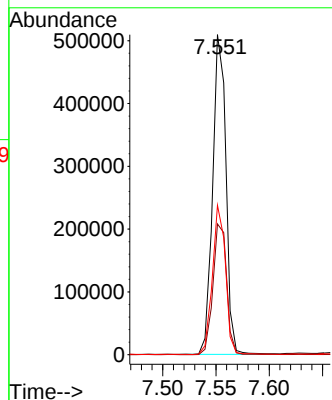
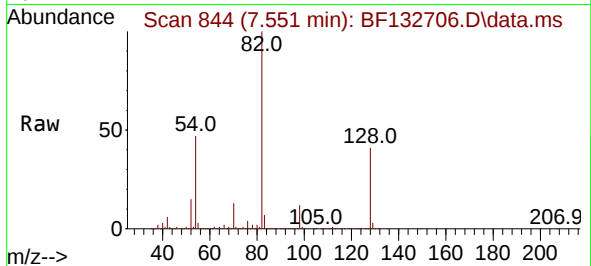




#23
Nitrobenzene-d5
Concen: 46.629 ng
RT: 7.551 min Scan# 844
Delta R.T. -0.012 min
Lab File: BF132706.D
Acq: 08 Mar 2023 23:42

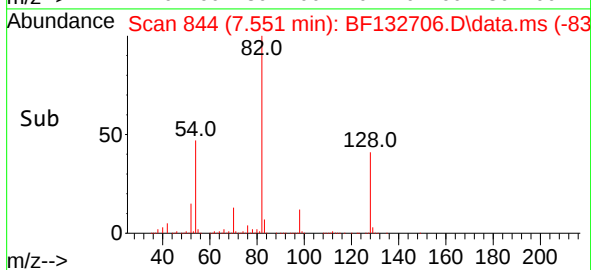
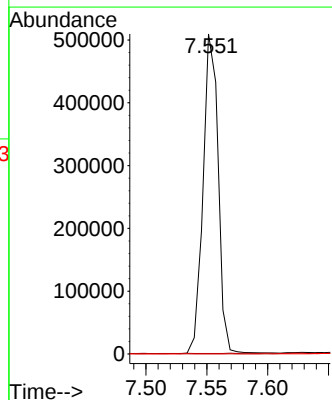
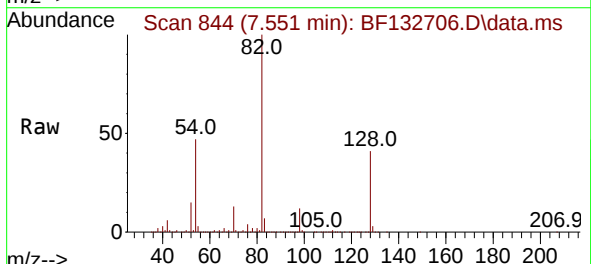
Instrument :
BNA_F
ClientSampleId :
SS-11-20230306

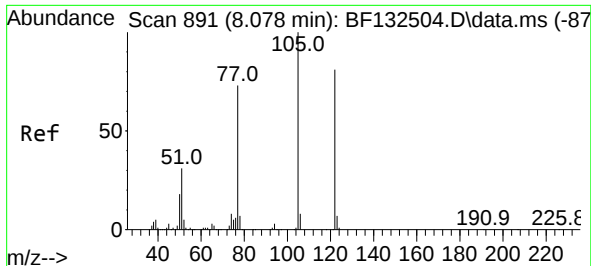
Tgt Ion: 82 Resp: 440609
Ion Ratio Lower Upper
82 100
128 40.8 32.2 48.2
54 46.7 38.4 57.6



#25
Isophorone
Concen: 24.316 ng
RT: 7.551 min Scan# 844
Delta R.T. -0.265 min
Lab File: BF132706.D
Acq: 08 Mar 2023 23:42

Tgt Ion: 82 Resp: 440530
Ion Ratio Lower Upper
82 100
95 0.2 5.7 8.5#
138 0.0 13.3 19.9#

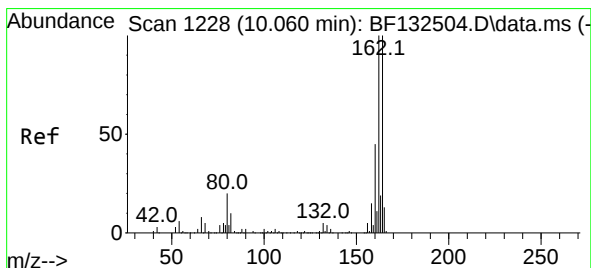
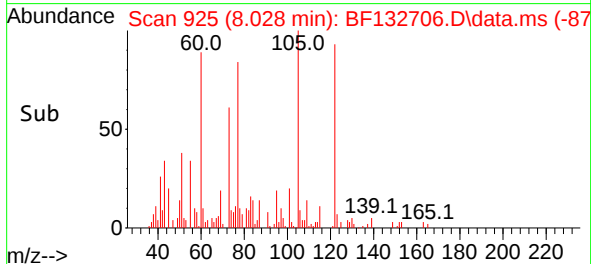
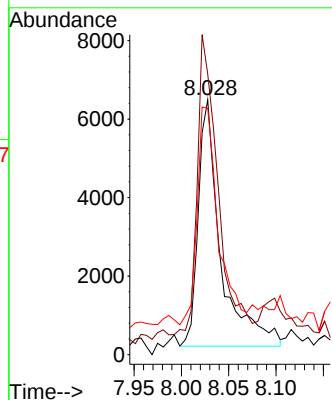
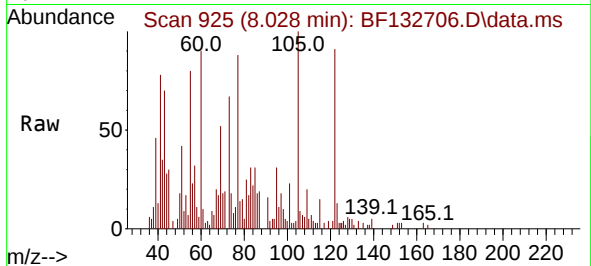




#32
Benzoic acid
Concen: 5.557 ng
RT: 8.028 min Scan# 91
Delta R.T. -0.029 min
Lab File: BF132706.D
Acq: 08 Mar 2023 23:42

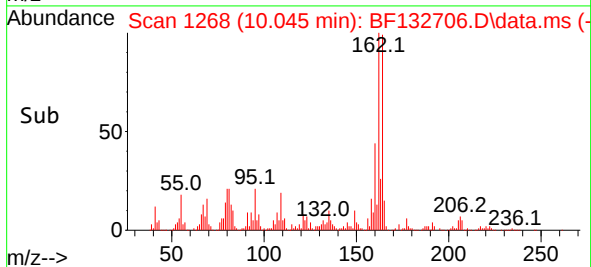
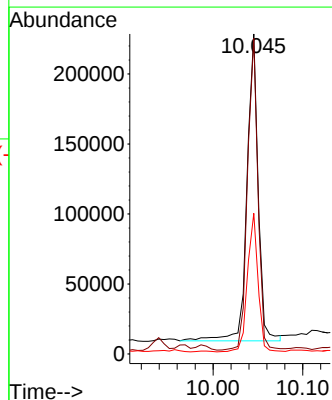
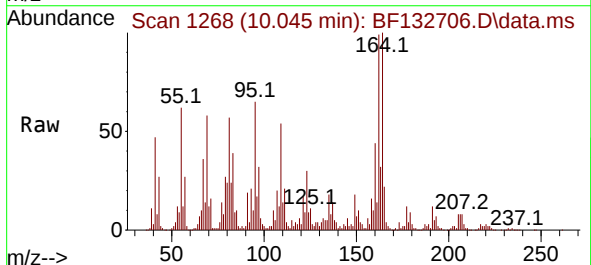
Instrument :
BNA_F
ClientSampleId :
SS-11-20230306

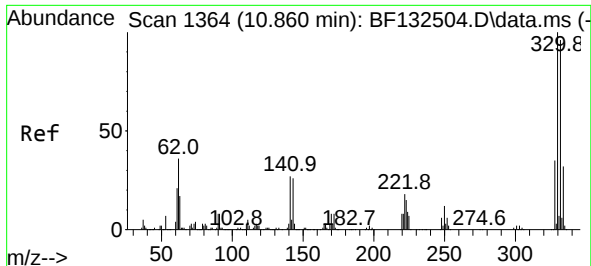
Tgt Ion:	122	Resp:	10370
Ion	Ratio	Lower	Upper
122	100		
105	110.1	102.6	142.6
77	96.7	70.2	110.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.045 min Scan# 1268
Delta R.T. 0.006 min
Lab File: BF132706.D
Acq: 08 Mar 2023 23:42

Tgt Ion:	164	Resp:	190421
Ion	Ratio	Lower	Upper
164	100		
162	98.6	79.8	119.8
160	43.9	35.8	53.6





#42

2,4,6-Tribromophenol

Concen: 72.033 ng

RT: 10.851 min Scan# 1405

Delta R.T. 0.018 min

Lab File: BF132706.D

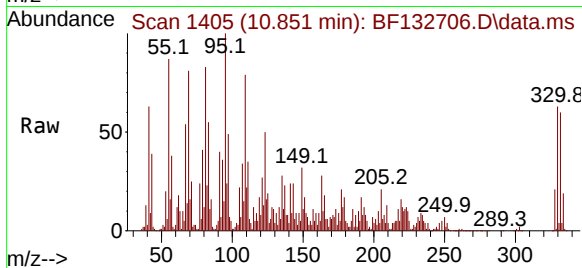
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Instrument :

BNA_F

ClientSampleId :

SS-11-20230306



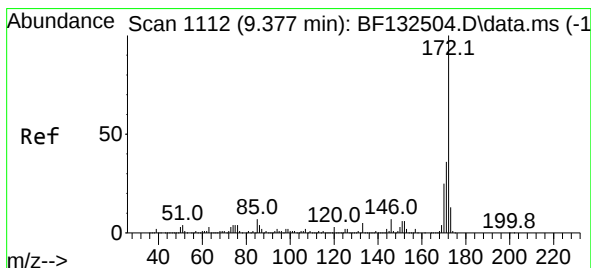
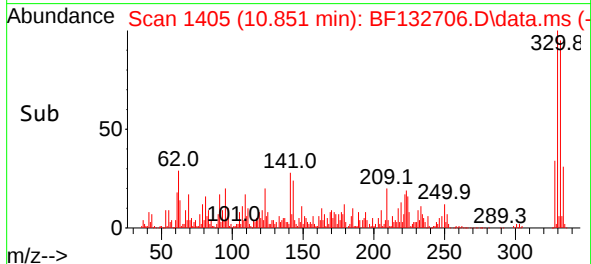
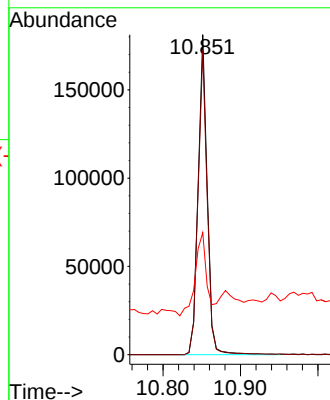
Tgt Ion:330 Resp: 148133

Ion Ratio Lower Upper

330 100

332 95.8 76.2 114.4

141 33.1 28.4 42.6



#45

2-Fluorobiphenyl

Concen: 65.098 ng

RT: 9.351 min Scan# 1150

Delta R.T. -0.006 min

Lab File: BF132706.D

Acq: 08 Mar 2023 23:42

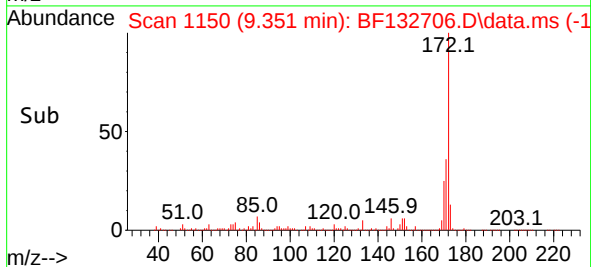
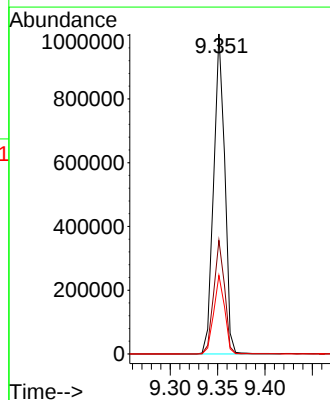
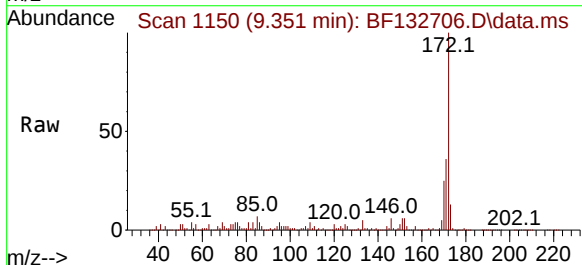
Tgt Ion:172 Resp: 814103

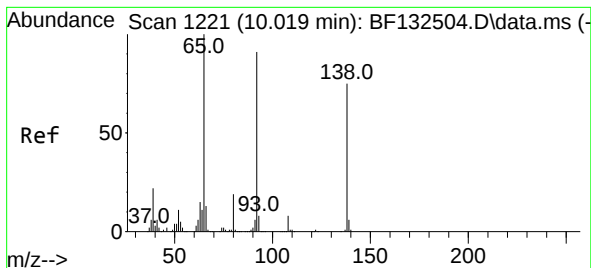
Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 24.5 19.7 29.5

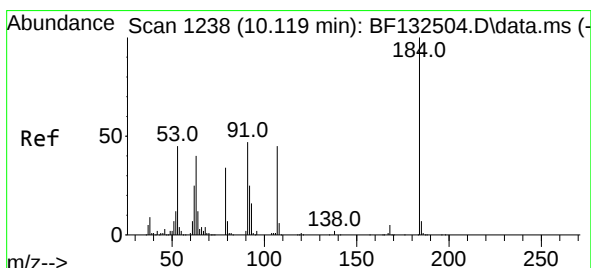
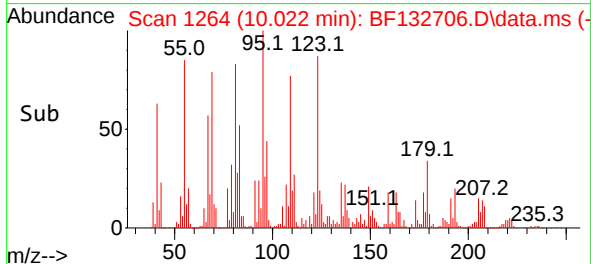
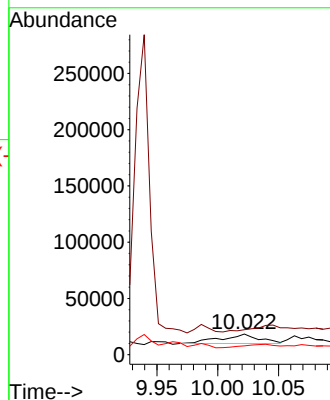
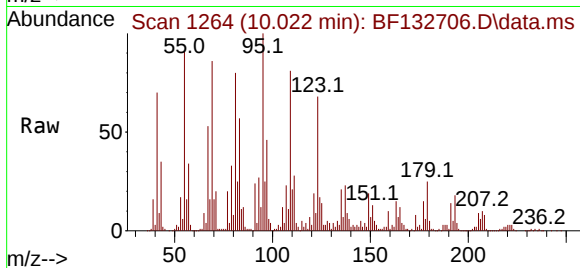




#53
3-Nitroaniline
Concen: 5.250 ng
RT: 10.022 min Scan# 1264
Delta R.T. 0.024 min
Lab File: BF132706.D
Acq: 08 Mar 2023 23:42

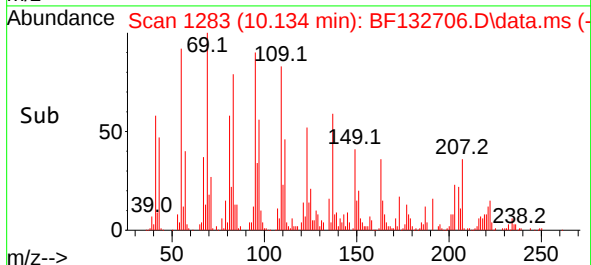
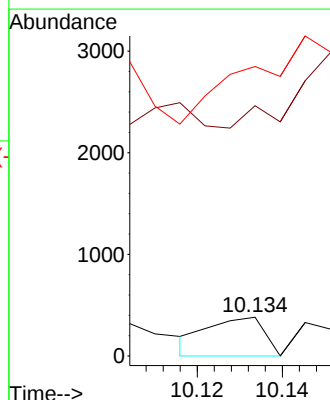
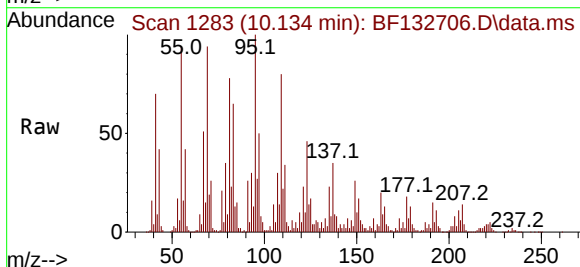
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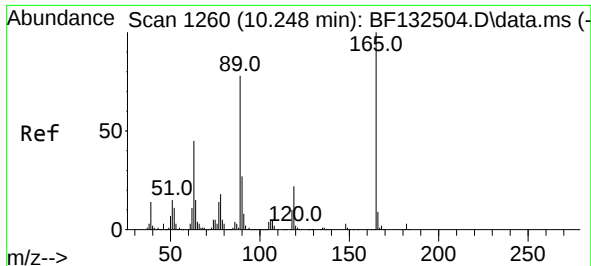
Tgt Ion:138 Resp: 18544
Ion Ratio Lower Upper
138 100
108 121.5 8.1 12.1#
92 42.8 97.2 145.8#



#54
2,4-Dinitrophenol
Concen: 2.018 ng
RT: 10.134 min Scan# 1283
Delta R.T. 0.029 min
Lab File: BF132706.D
Acq: 08 Mar 2023 23:42

Tgt Ion:184 Resp: 352
Ion Ratio Lower Upper
184 100
63 644.5 51.4 77.2#
154 745.8 48.3 72.5#

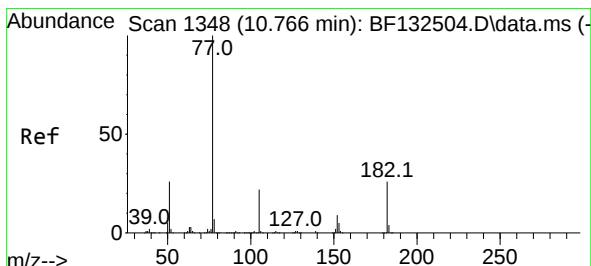
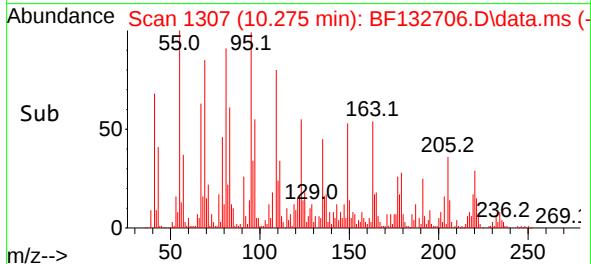
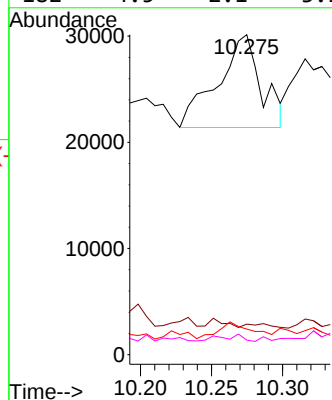
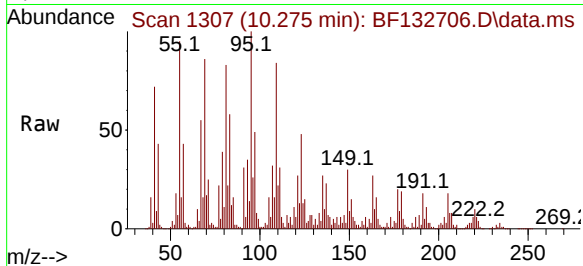




#57
2,4-Dinitrotoluene
Concen: 4.441 ng
RT: 10.275 min Scan# 11
Delta R.T. 0.047 min
Lab File: BF132706.D
Acq: 08 Mar 2023 23:42

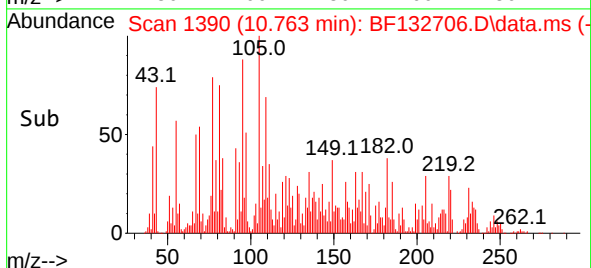
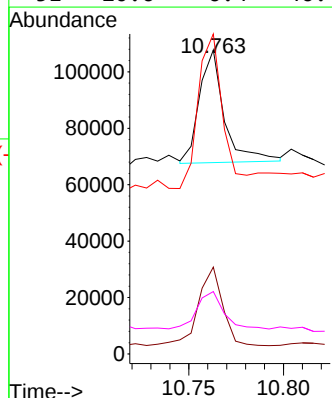
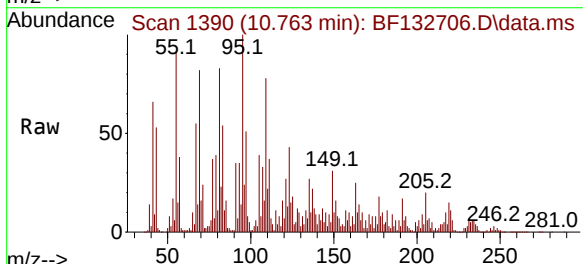
Instrument :
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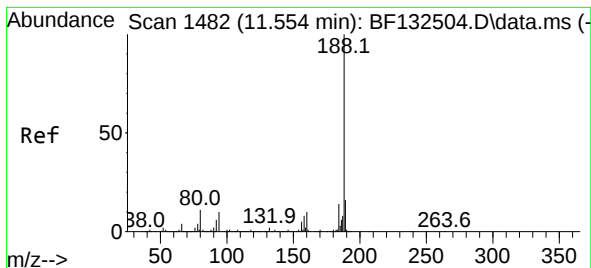
Tgt Ion:165 Resp: 18657
Ion Ratio Lower Upper
165 100
63 9.6 36.5 54.7#
89 8.0 62.4 93.6#
182 4.5 2.1 3.1#



#63
Azobenzene
Concen: 2.555 ng
RT: 10.763 min Scan# 1390
Delta R.T. 0.024 min
Lab File: BF132706.D
Acq: 08 Mar 2023 23:42

Tgt Ion: 77 Resp: 36638
Ion Ratio Lower Upper
77 100
182 28.6 5.5 45.5
105 105.3 1.8 41.8#
51 20.6 6.4 46.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.563 min Scan# 11

Delta R.T. 0.029 min

Lab File: BF132706.D

Acq: 08 Mar 2023 23:42

Instrument :

BNA_F

ClientSampleId :

SS-11-20230306

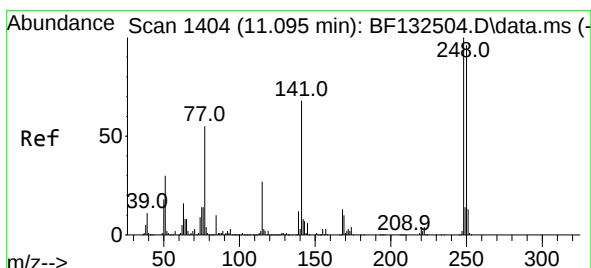
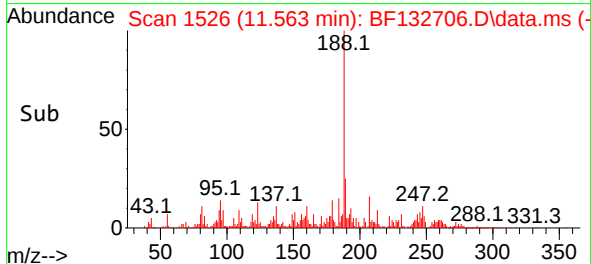
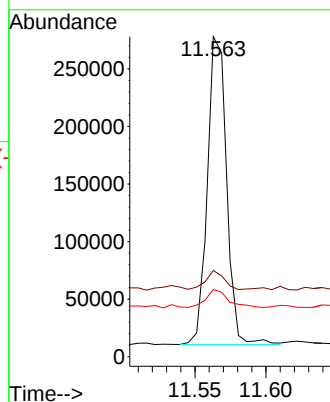
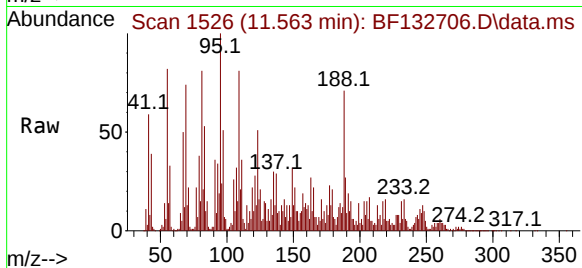
Tgt Ion:188 Resp: 252094

Ion Ratio Lower Upper

188 100

94 27.0 8.3 12.5#

80 21.0 8.7 13.1#



#67

4-Bromophenyl-phenylether

Concen: 3.311 ng

RT: 11.086 min Scan# 1445

Delta R.T. 0.012 min

Lab File: BF132706.D

Acq: 08 Mar 2023 23:42

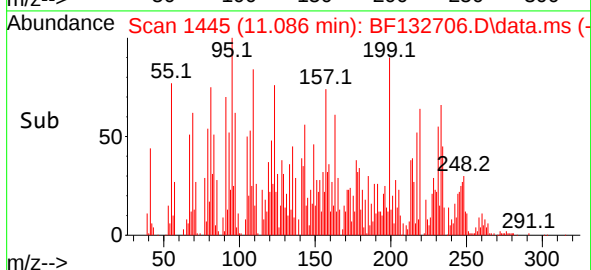
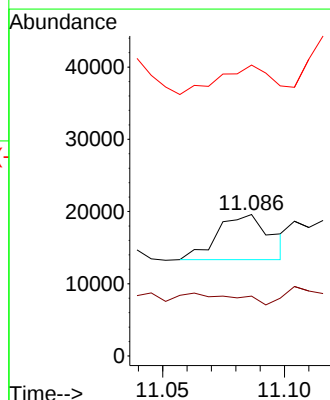
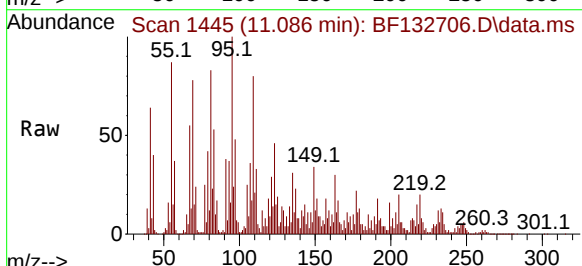
Tgt Ion:248 Resp: 9441

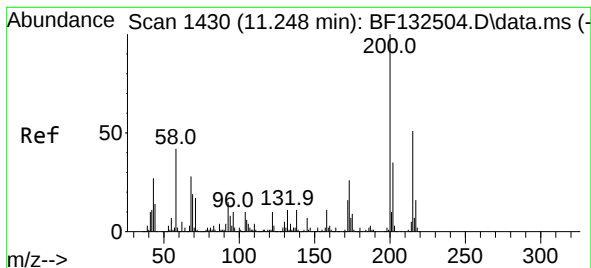
Ion Ratio Lower Upper

248 100

250 42.3 77.0 115.4#

141 205.6 54.2 81.2#





#69

Atrazine

Concen: 6.424 ng

RT: 11.245 min Scan# 1430

Delta R.T. 0.024 min

Lab File: BF132706.D

Acq: 08 Mar 2023 23:42

Instrument :

BNA_F

ClientSampleId :

SS-11-20230306

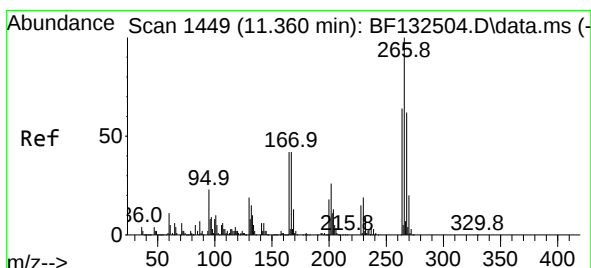
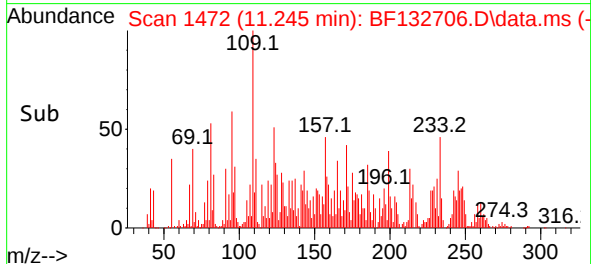
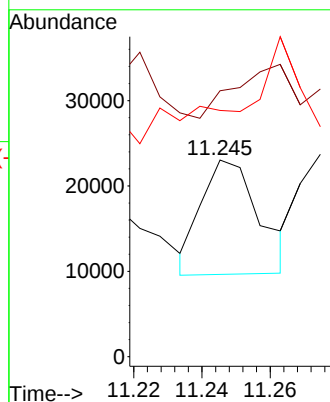
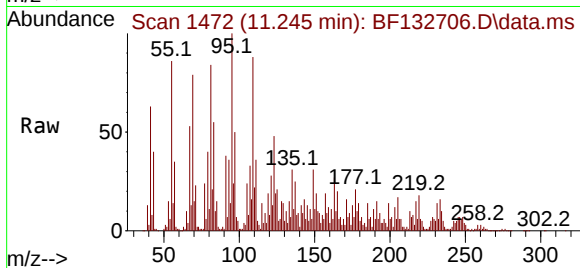
Tgt Ion:200 Resp: 15761

Ion Ratio Lower Upper

200 100

173 135.2 6.4 46.4#

215 125.2 31.0 71.0#



#70

Pentachlorophenol

Concen: 3.179 ng

RT: 11.369 min Scan# 1493

Delta R.T. 0.029 min

Lab File: BF132706.D

Acq: 08 Mar 2023 23:42

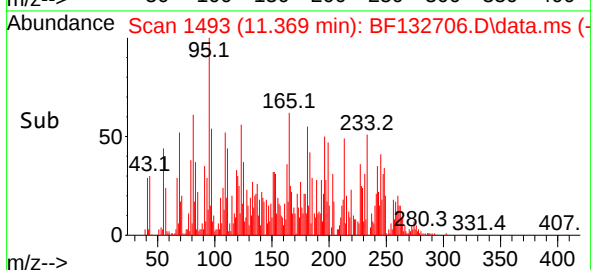
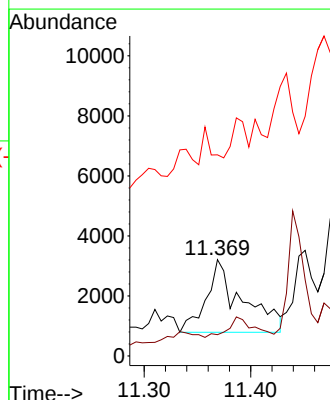
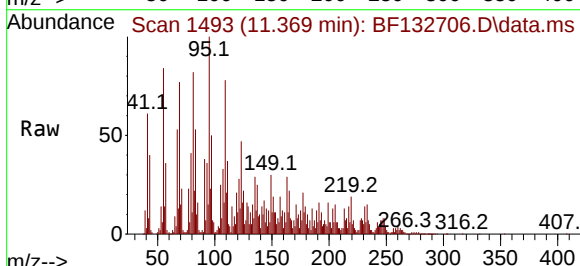
Tgt Ion:266 Resp: 5675

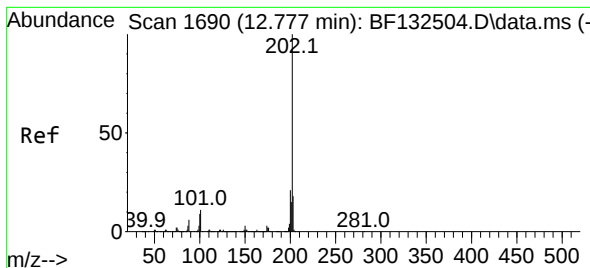
Ion Ratio Lower Upper

266 100

268 22.1 49.8 74.6#

264 208.8 50.9 76.3#





#75

Fluoranthene

Concen: 2.851 ng

RT: 12.775 min Scan# 1

Delta R.T. 0.018 min

Lab File: BF132706.D

Acq: 08 Mar 2023 23:42

Instrument :

BNA_F

ClientSampleId :

SS-11-20230306

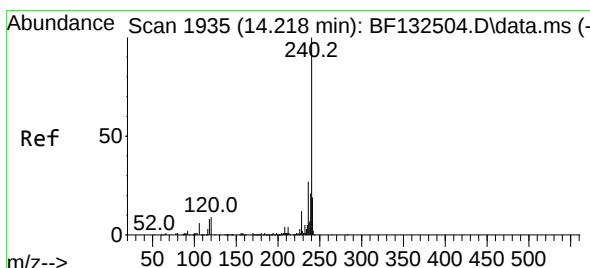
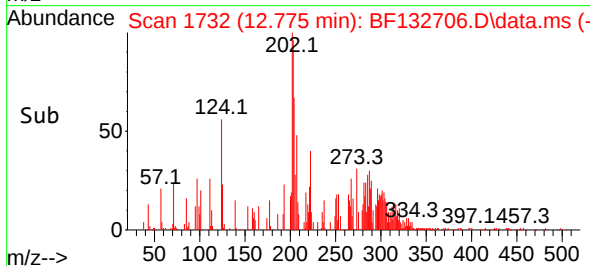
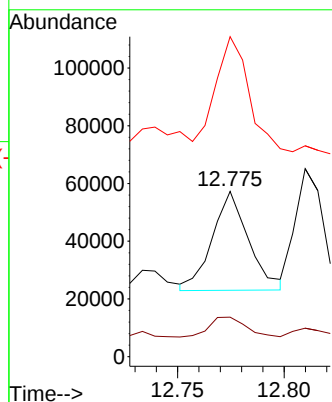
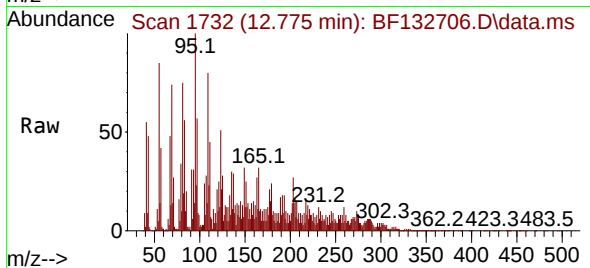
Tgt Ion:202 Resp: 40698

Ion Ratio Lower Upper

202 100

101 23.9 0.0 31.4

203 193.5 0.0 38.0#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.245 min Scan# 1982

Delta R.T. 0.047 min

Lab File: BF132706.D

Acq: 08 Mar 2023 23:42

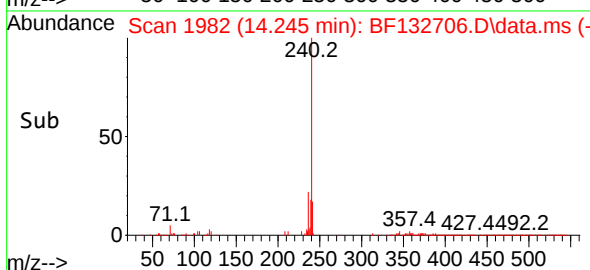
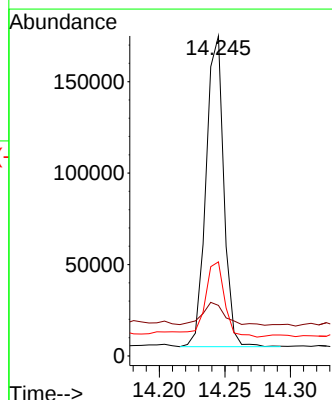
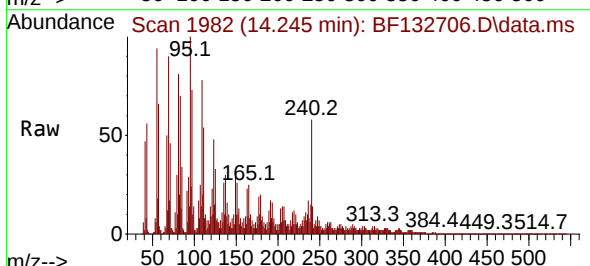
Tgt Ion:240 Resp: 160375

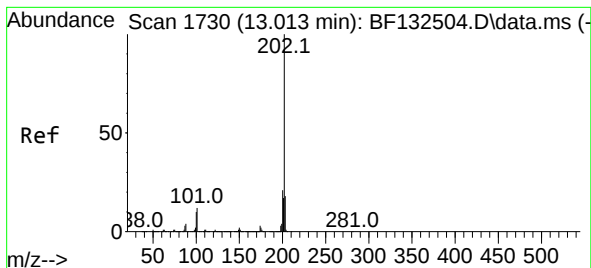
Ion Ratio Lower Upper

240 100

120 15.8 7.2 10.8#

236 29.4 21.8 32.6





#78

Pyrene

Concen: 12.139 ng

RT: 13.045 min Scan# 1

Delta R.T. 0.053 min

Lab File: BF132706.D

Acq: 08 Mar 2023 23:42

Instrument :

BNA_F

ClientSampleId :

SS-11-20230306

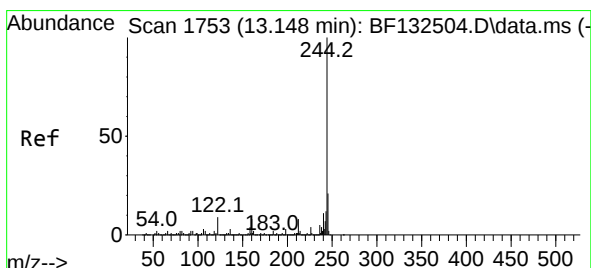
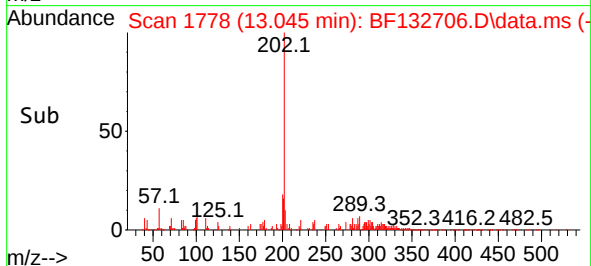
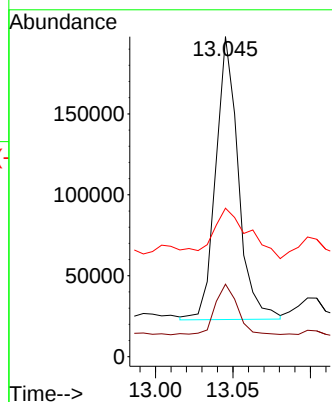
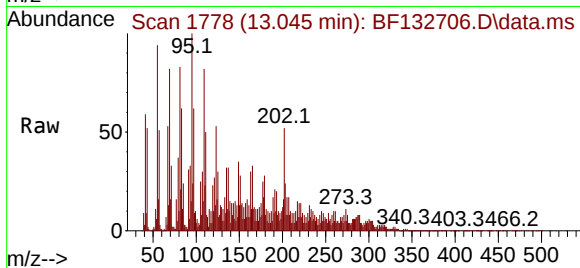
Tgt Ion:202 Resp: 177004

Ion Ratio Lower Upper

202 100

200 22.7 17.1 25.7

203 46.4 14.6 21.8#



#79

Terphenyl-d14

Concen: 65.926 ng

RT: 13.175 min Scan# 1800

Delta R.T. 0.047 min

Lab File: BF132706.D

Acq: 08 Mar 2023 23:42

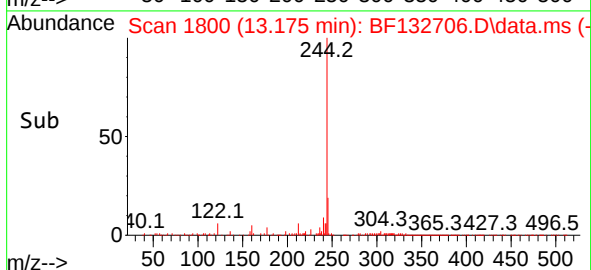
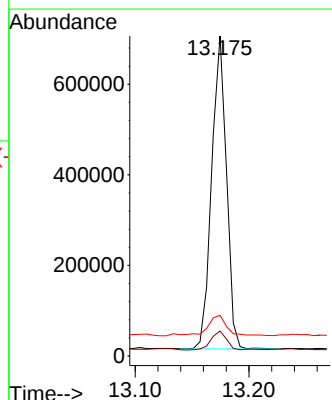
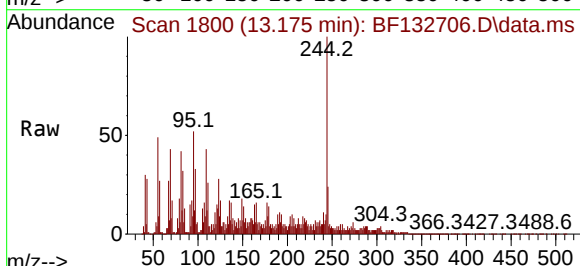
Tgt Ion:244 Resp: 625334

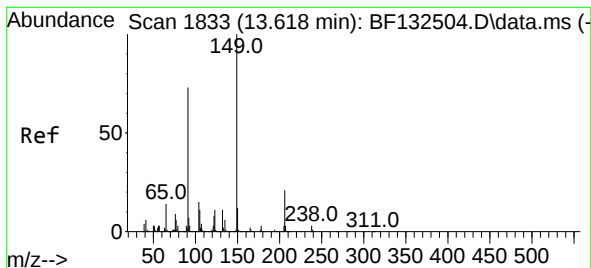
Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

122 12.7 7.5 11.3#





#80

Butylbenzylphthalate

Concen: 2.137 ng

RT: 13.751 min Scan# 1898

Delta R.T. 0.153 min

Lab File: BF132706.D

Acq: 08 Mar 2023 23:42

Instrument :

BNA_F

ClientSampleId :

SS-11-20230306

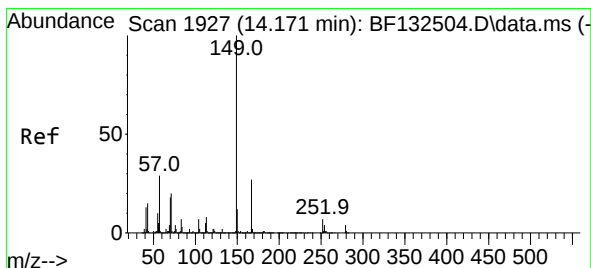
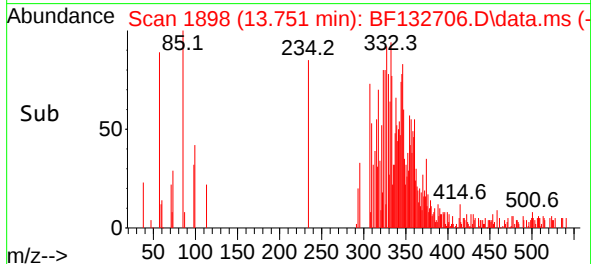
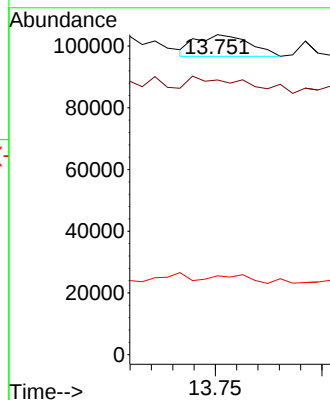
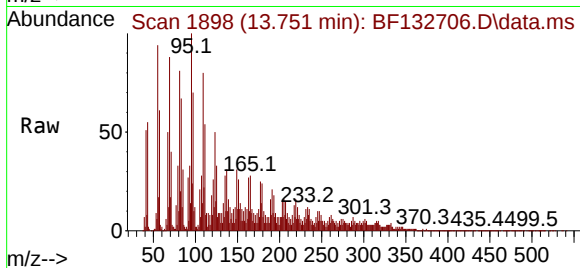
Tgt Ion:149 Resp: 12294

Ion Ratio Lower Upper

149 100

91 85.9 58.4 87.6

206 24.6 16.8 25.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.152 ng

RT: 14.186 min Scan# 1972

Delta R.T. 0.035 min

Lab File: BF132706.D

Acq: 08 Mar 2023 23:42

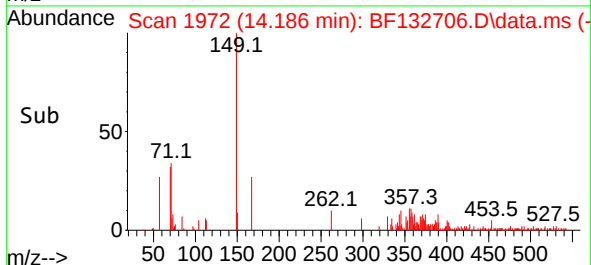
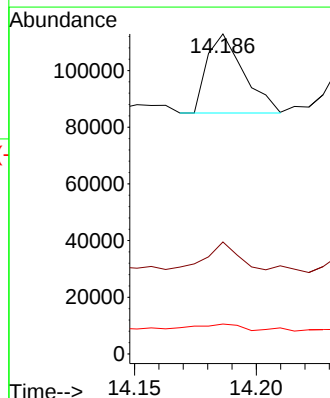
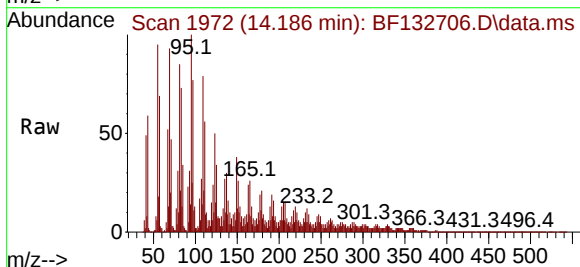
Tgt Ion:149 Resp: 29346

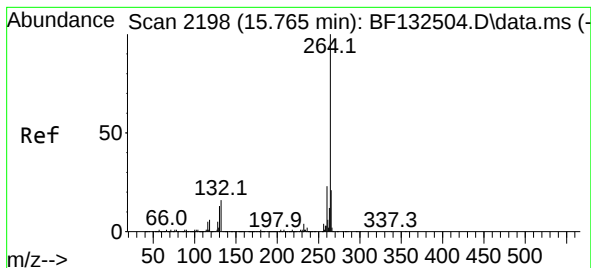
Ion Ratio Lower Upper

149 100

167 35.0 21.8 32.6#

279 9.3 3.0 4.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.804 min Scan# 21

Delta R.T. 0.065 min

Lab File: BF132706.D

Acq: 08 Mar 2023 23:42

Instrument :

BNA_F

ClientSampleId :

SS-11-20230306

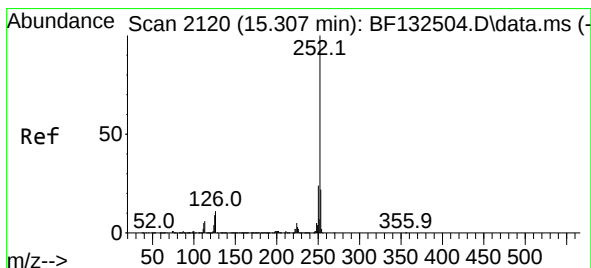
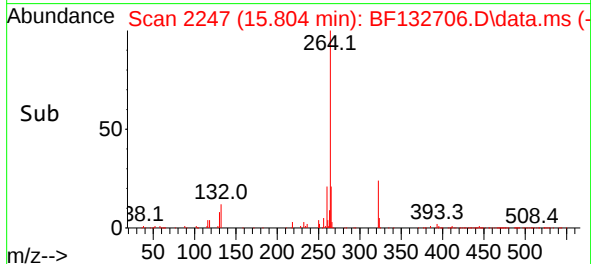
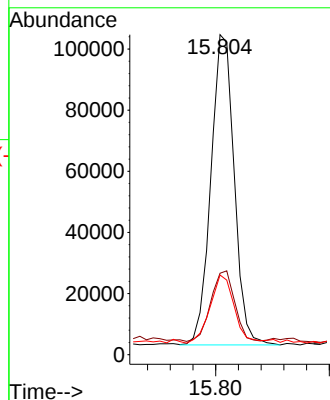
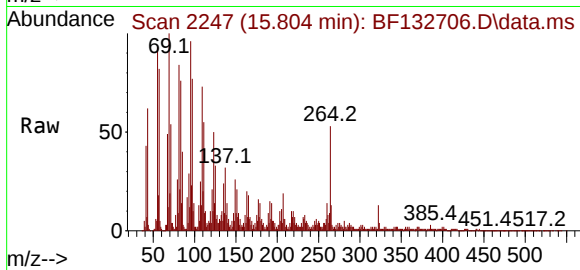
Tgt Ion:264 Resp: 144968

Ion Ratio Lower Upper

264 100

260 25.5 18.8 28.2

265 24.9 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 2.486 ng

RT: 15.339 min Scan# 2168

Delta R.T. 0.059 min

Lab File: BF132706.D

Acq: 08 Mar 2023 23:42

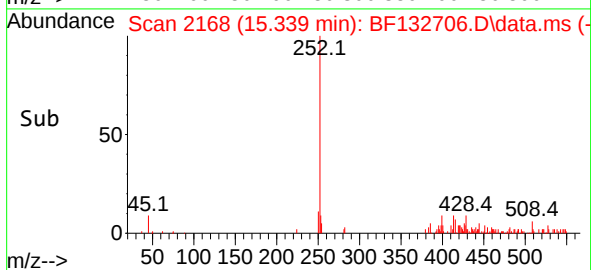
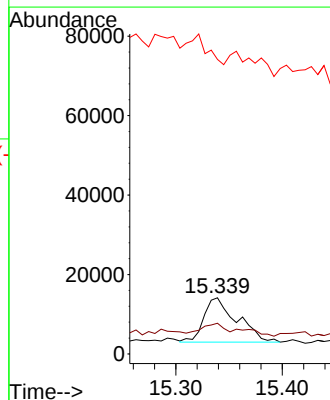
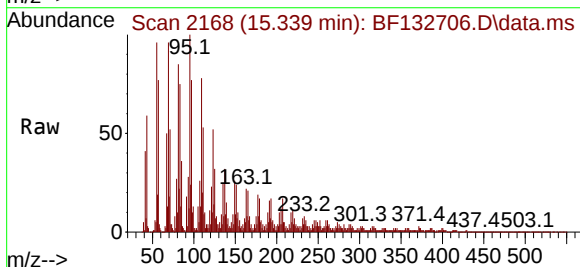
Tgt Ion:252 Resp: 24155

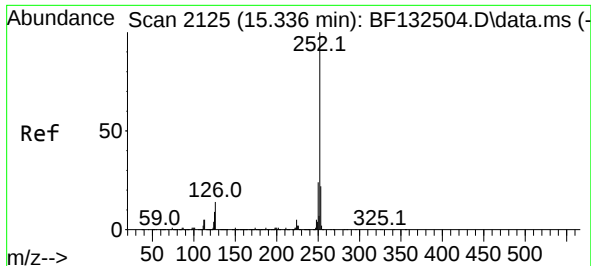
Ion Ratio Lower Upper

252 100

253 54.7 17.4 26.0#

125 524.7 7.0 10.6#

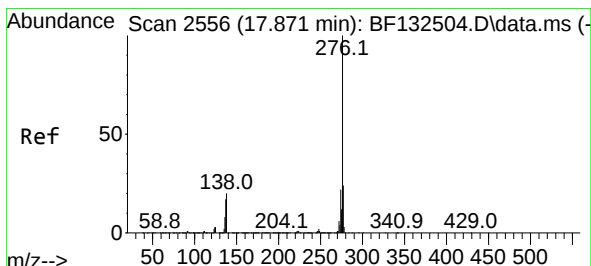
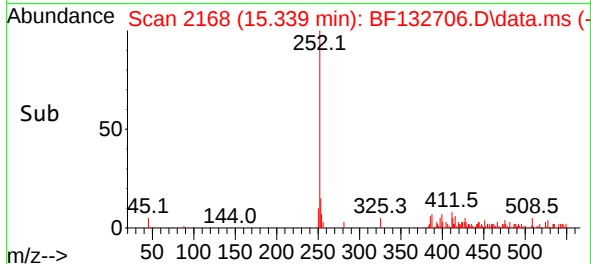
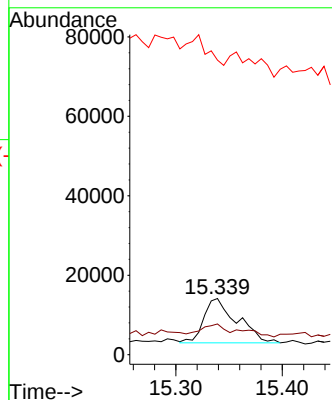
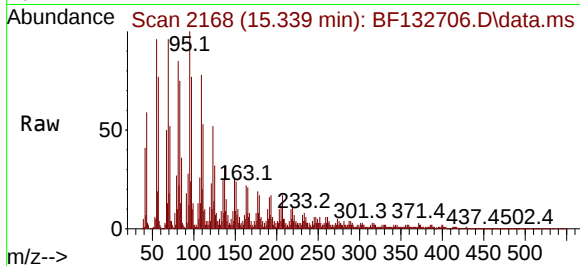




#89
Benzo(k)fluoranthene
Concen: 2.540 ng
RT: 15.339 min Scan# 2125
Delta R.T. 0.024 min
Lab File: BF132706.D
Acq: 08 Mar 2023 23:42

Instrument :
BNA_F
ClientSampleId :
SS-11-20230306

Tgt Ion:252 Resp: 24155
Ion Ratio Lower Upper
252 100
253 54.7 17.5 26.3#
125 524.7 7.2 10.8#



#92
Benzo(g,h,i)perylene
Concen: 2.684 ng
RT: 17.910 min Scan# 2605
Delta R.T. 0.077 min
Lab File: BF132706.D
Acq: 08 Mar 2023 23:42

Tgt Ion:276 Resp: 9678
Ion Ratio Lower Upper
276 100
277 58.1 18.9 28.3#
138 148.0 16.2 24.4#

