

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020123\
 Data File : BF132267.D
 Acq On : 01 Feb 2023 18:58
 Operator : CG\JU
 Sample : 01358-11
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-3-012723

Quant Time: Feb 02 00:56:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 05:24:37 2023
 Response via : Initial Calibration

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

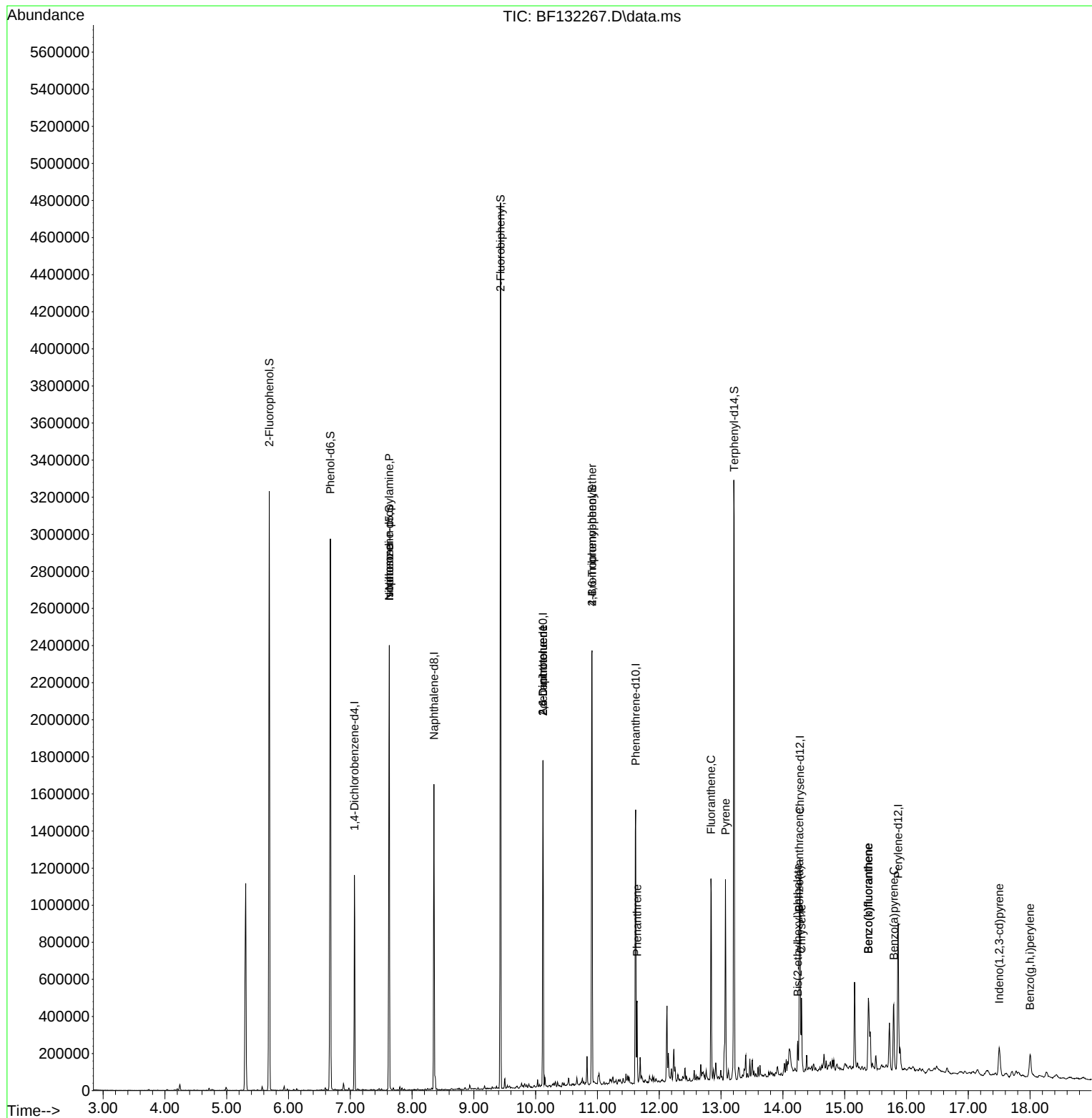
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.066	152	170589	20.000	ng	0.00
21) Naphthalene-d8	8.354	136	653754	20.000	ng	0.00
39) Acenaphthene-d10	10.119	164	319992	20.000	ng	0.00
64) Phenanthrene-d10	11.619	188	549589	20.000	ng	0.00
76) Chrysene-d12	14.277	240	305596	20.000	ng	#-0.01
86) Perylene-d12	15.866	264	367487	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.690	112	1042657	98.246	ng	0.00
7) Phenol-d6	6.678	99	1268755	96.970	ng	0.00
23) Nitrobenzene-d5	7.631	82	768812	65.441	ng	0.00
42) 2,4,6-Tribromophenol	10.913	330	300867	91.430	ng	0.00
45) 2-Fluorobiphenyl	9.431	172	1333045	64.331	ng	0.00
79) Terphenyl-d14	13.213	244	1120553	70.930	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.619	77	780	Below Cal	#	63
19) n-Nitroso-di-n-propyla...	7.631	70	95940	12.909	ng	# 77
25) Isophorone	7.631	82	768803	34.478	ng	# 64
51) 2,6-Dinitrotoluene	10.119	165	42458	8.493	ng	# 25
57) 2,4-Dinitrotoluene	10.119	165	42458	6.538	ng	# 23
67) 4-Bromophenyl-phenylether	10.913	248	17857	3.173	ng	# 1
71) Phenanthrene	11.642	178	165471	5.762	ng	97
75) Fluoranthene	12.836	202	419764	14.323	ng	98
78) Pyrene	13.072	202	392168	15.955	ng	99
81) Benzo(a)anthracene	14.266	228	187070	8.752	ng	99
83) Chrysene	14.301	228	149053	7.447	ng	98
84) Bis(2-ethylhexyl)phtha...	14.242	149	47926	3.265	ng	# 97
87) Indeno(1,2,3-cd)pyrene	17.501	276	108063	4.426	ng	97
88) Benzo(b)fluoranthene	15.383	252	318436	13.632	ng	99
89) Benzo(k)fluoranthene	15.383	252	318436	14.282	ng	98
90) Benzo(a)pyrene	15.795	252	189745	8.723	ng	99
92) Benzo(g,h,i)perylene	18.001	276	102293	5.044	ng	99

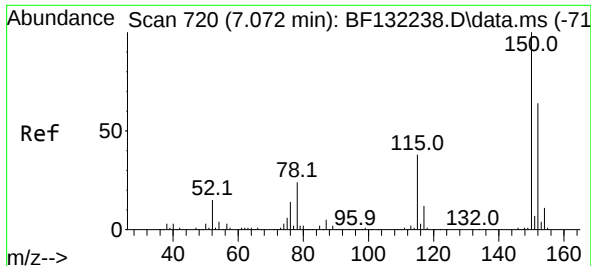
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 02 00:56:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 01 05:24:37 2023
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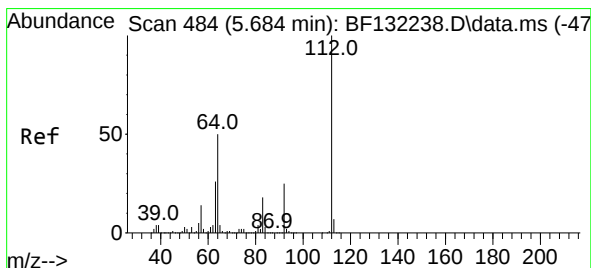
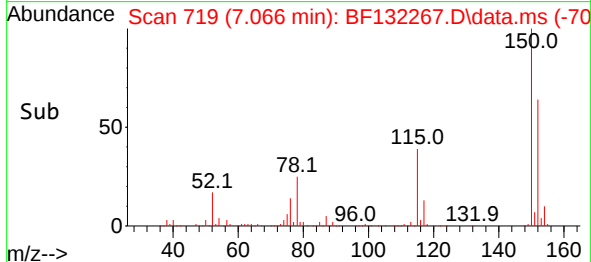
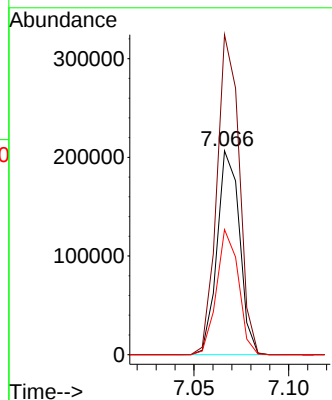
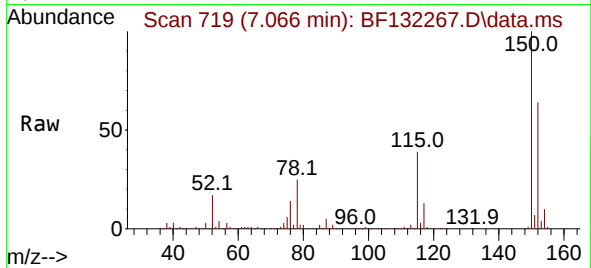




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.066 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

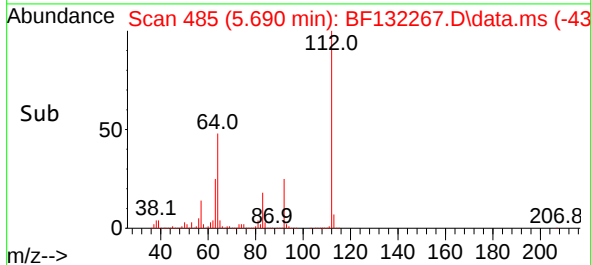
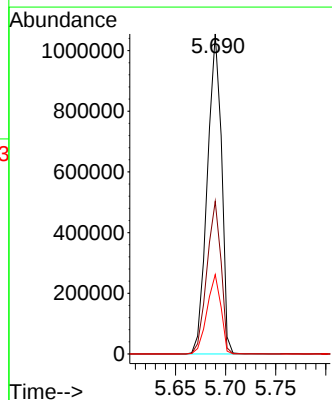
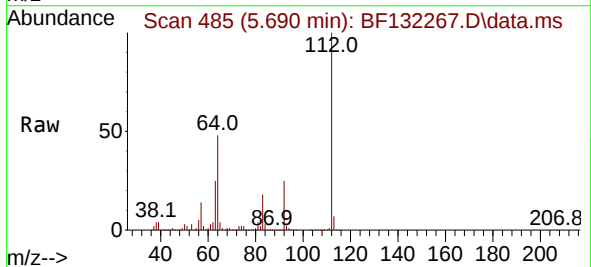
Instrument :
BNA_F
ClientSampleId :
JC-3-012723

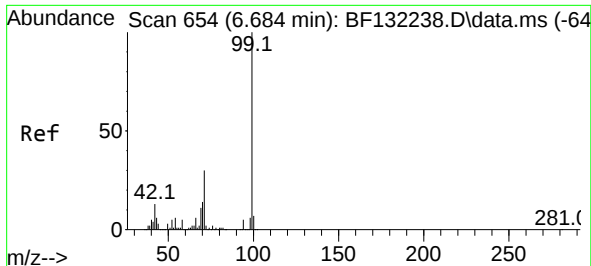
Tgt Ion:152 Resp: 170589
Ion Ratio Lower Upper
152 100
150 156.9 124.2 186.2
115 61.4 47.3 70.9



#5
2-Fluorophenol
Concen: 98.246 ng
RT: 5.690 min Scan# 485
Delta R.T. 0.006 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

Tgt Ion:112 Resp: 1042657
Ion Ratio Lower Upper
112 100
64 47.7 40.0 60.0
63 24.8 20.5 30.7

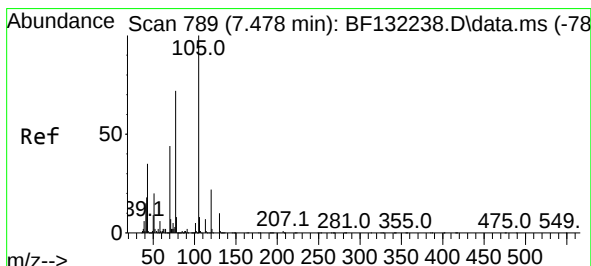
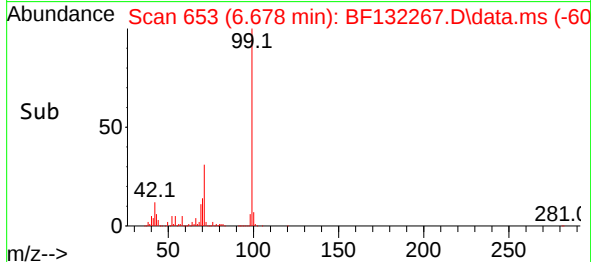
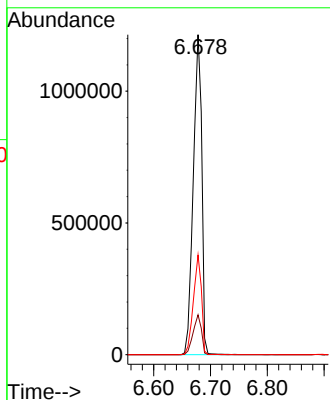
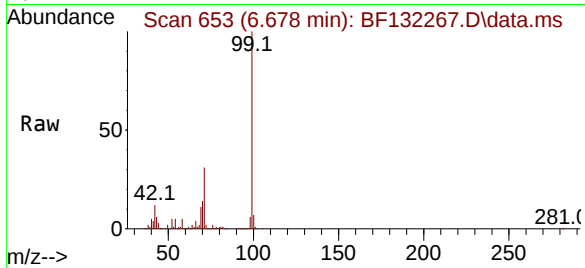




#7
Phenol-d6
Concen: 96.970 ng
RT: 6.678 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

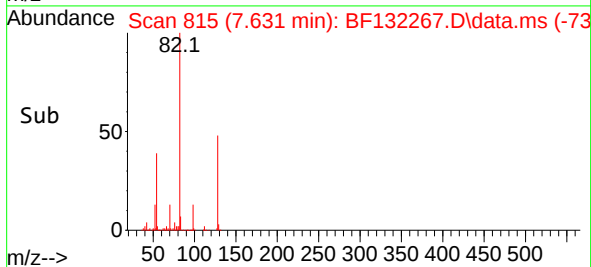
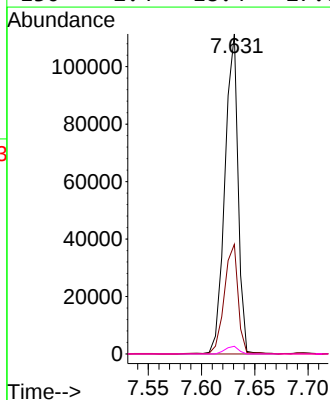
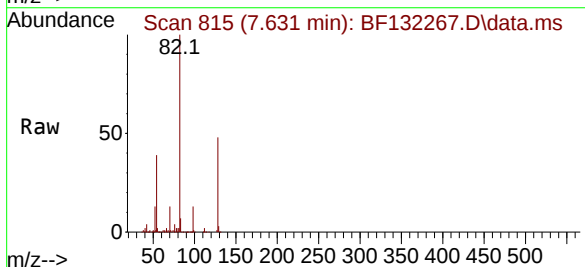
Instrument :
BNA_F
ClientSampleId :
JC-3-012723

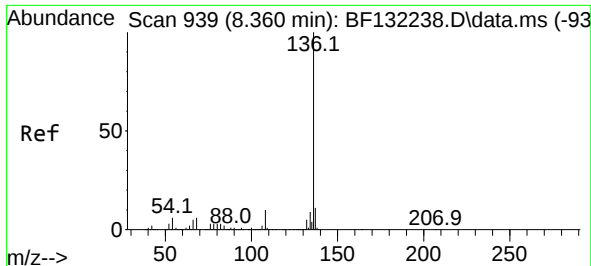
Tgt Ion: 99 Resp: 1268755
Ion Ratio Lower Upper
99 100
42 12.5 10.1 15.1
71 31.1 24.2 36.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.909 ng
RT: 7.631 min Scan# 815
Delta R.T. 0.153 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

Tgt Ion: 70 Resp: 95940
Ion Ratio Lower Upper
70 100
42 34.3 33.4 50.0
101 0.0 8.2 12.4#
130 2.4 18.4 27.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.354 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF132267.D

Acq: 01 Feb 2023 18:58

Instrument :

BNA_F

ClientSampleId :

JC-3-012723

Tgt Ion:136 Resp: 653754

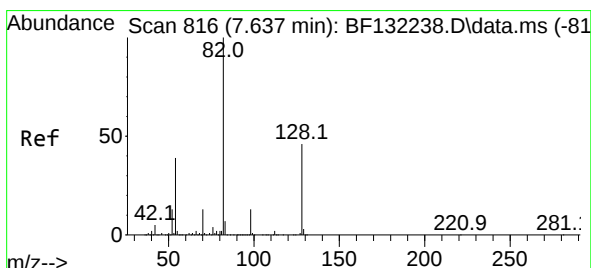
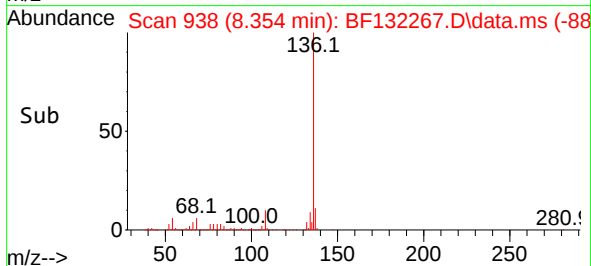
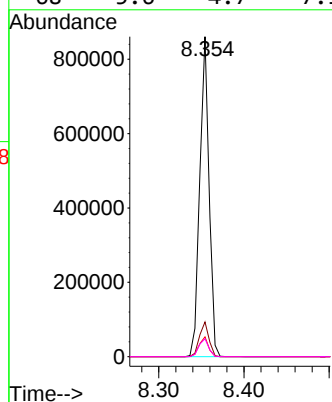
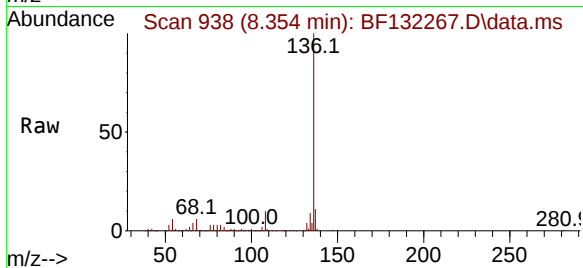
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 6.2 4.9 7.3

68 5.6 4.7 7.1



#23

Nitrobenzene-d5

Concen: 65.441 ng

RT: 7.631 min Scan# 815

Delta R.T. -0.006 min

Lab File: BF132267.D

Acq: 01 Feb 2023 18:58

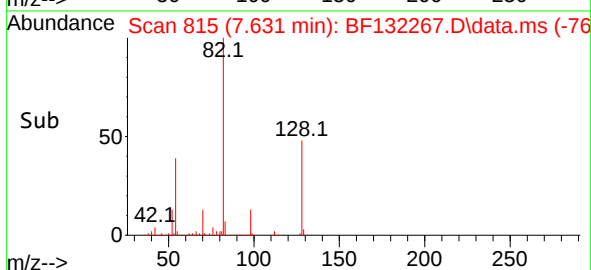
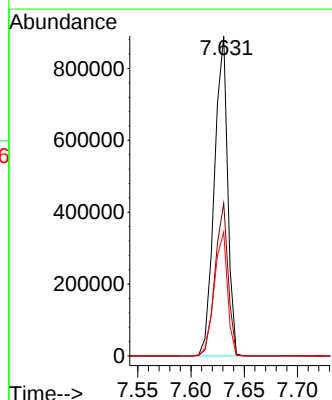
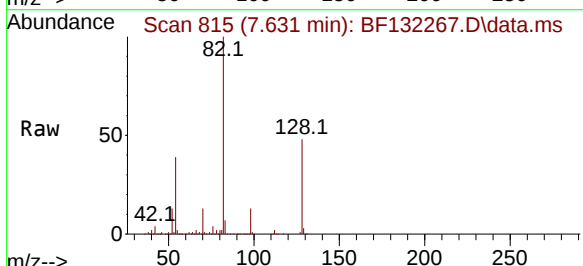
Tgt Ion: 82 Resp: 768812

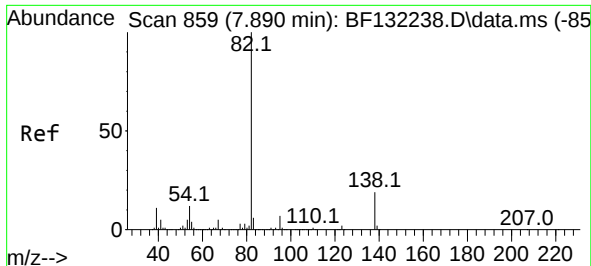
Ion Ratio Lower Upper

82 100

128 47.7 37.0 55.4

54 38.7 31.5 47.3

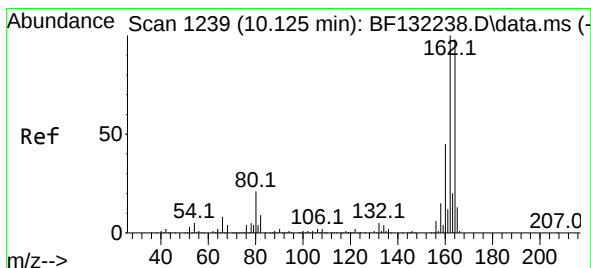
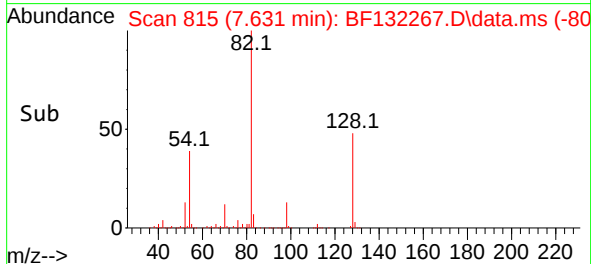
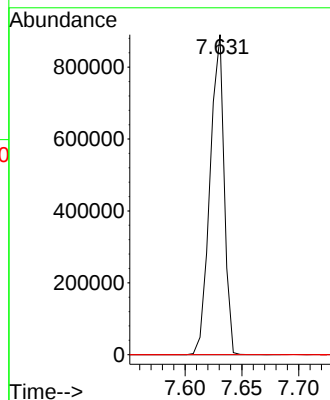
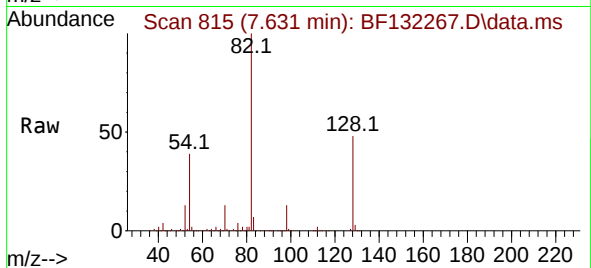




#25
Isophorone
Concen: 34.478 ng
RT: 7.631 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

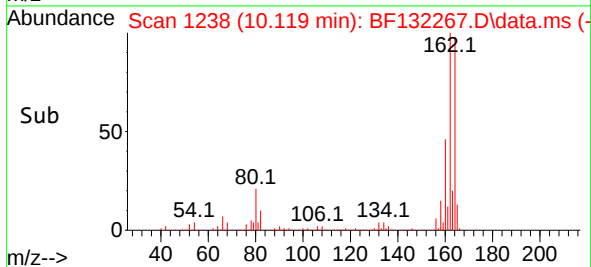
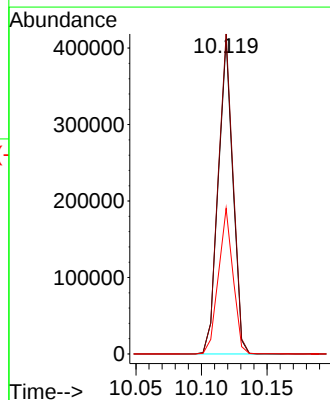
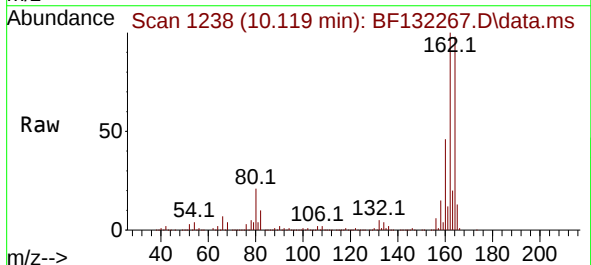
Instrument :
BNA_F
ClientSampleId :
JC-3-012723

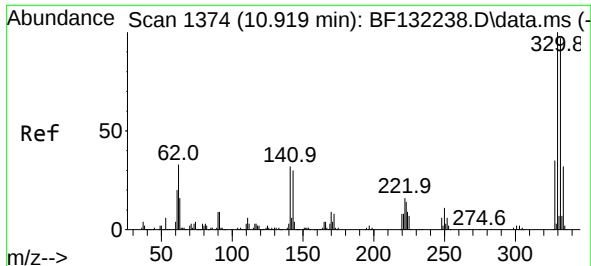
Tgt Ion: 82 Resp: 768803
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.0 22.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.119 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

Tgt Ion: 164 Resp: 319992
Ion Ratio Lower Upper
164 100
162 101.8 82.0 123.0
160 46.3 37.1 55.7





#42

2,4,6-Tribromophenol

Concen: 91.430 ng

RT: 10.913 min Scan# 111

Delta R.T. -0.006 min

Lab File: BF132267.D

Acq: 01 Feb 2023 18:58

Instrument :

BNA_F

ClientSampleId :

JC-3-012723

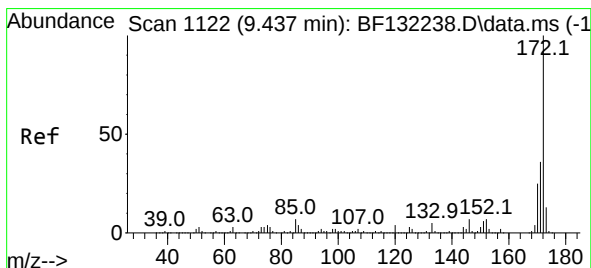
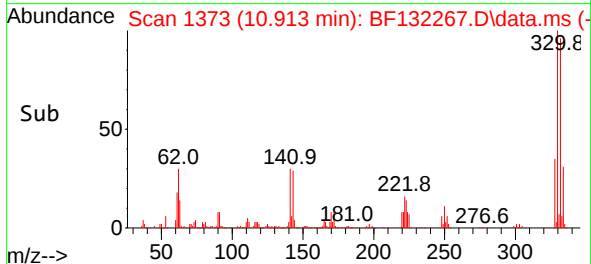
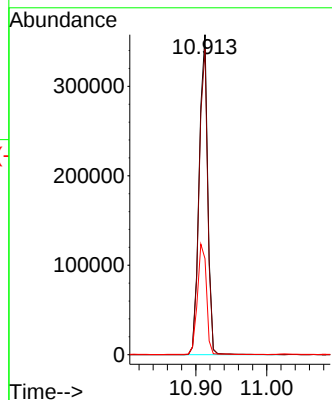
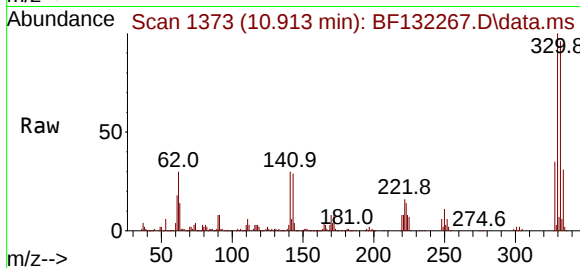
Tgt Ion:330 Resp: 300867

Ion Ratio Lower Upper

330 100

332 95.9 77.9 116.9

141 36.5 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 64.331 ng

RT: 9.431 min Scan# 1121

Delta R.T. -0.006 min

Lab File: BF132267.D

Acq: 01 Feb 2023 18:58

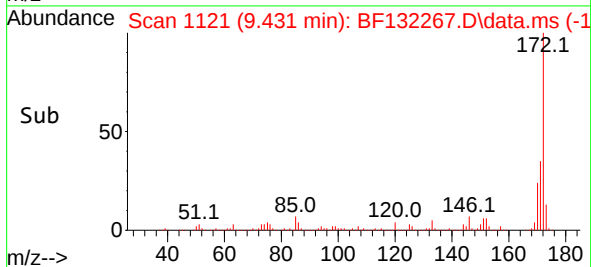
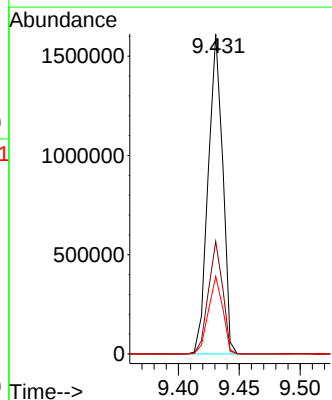
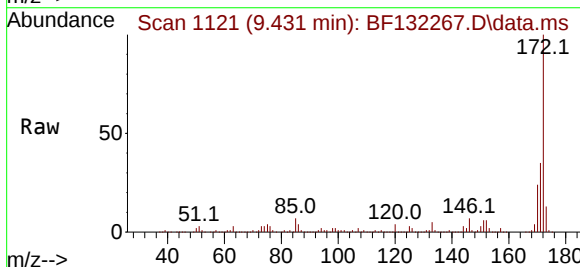
Tgt Ion:172 Resp: 1333045

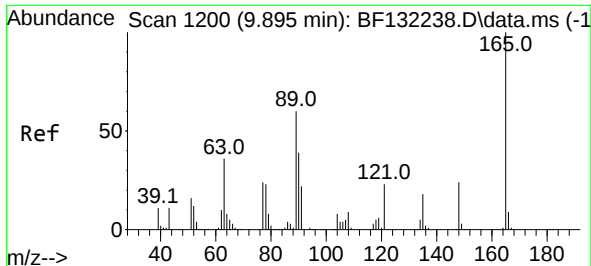
Ion Ratio Lower Upper

172 100

171 35.1 28.6 43.0

170 24.2 19.7 29.5





#51

2,6-Dinitrotoluene

Concen: 8.493 ng

RT: 10.119 min Scan# 1238

Delta R.T. 0.224 min

Lab File: BF132267.D

Acq: 01 Feb 2023 18:58

Instrument :

BNA_F

ClientSampleId :

JC-3-012723

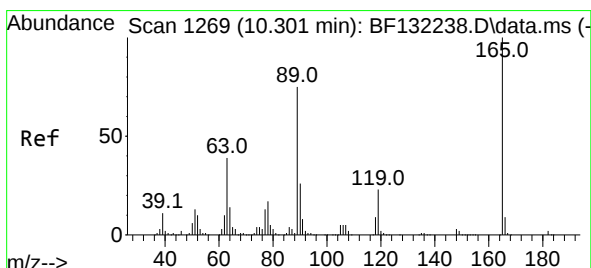
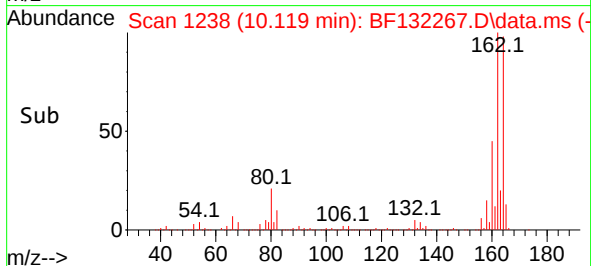
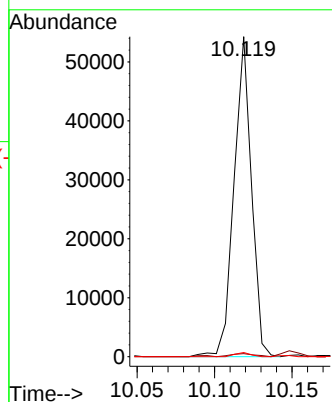
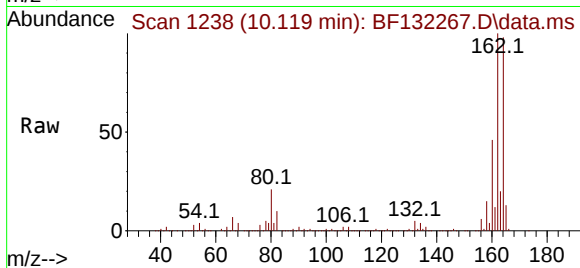
Tgt Ion:165 Resp: 42458

Ion Ratio Lower Upper

165 100

63 1.0 41.5 62.3#

89 1.3 48.1 72.1#



#57

2,4-Dinitrotoluene

Concen: 6.538 ng

RT: 10.119 min Scan# 1238

Delta R.T. -0.182 min

Lab File: BF132267.D

Acq: 01 Feb 2023 18:58

Tgt Ion:165 Resp: 42458

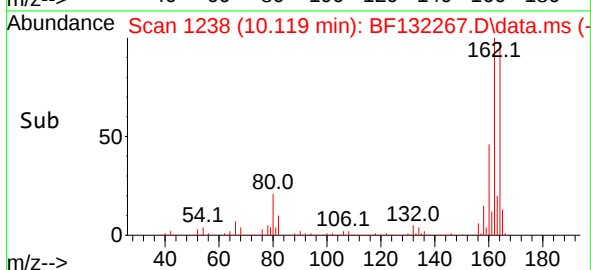
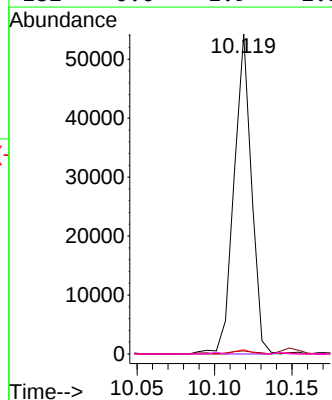
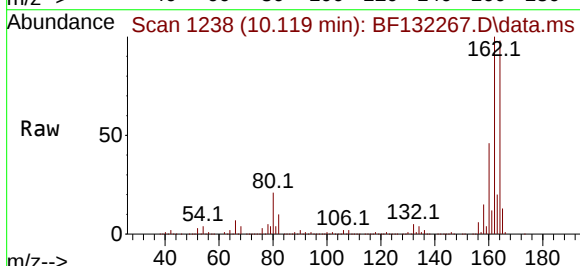
Ion Ratio Lower Upper

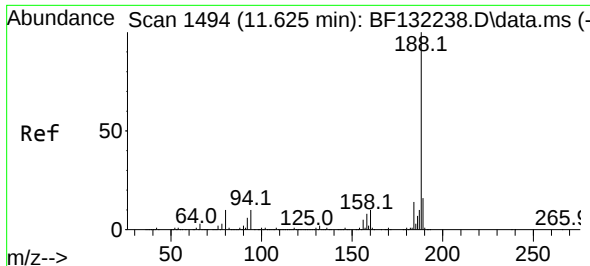
165 100

63 1.0 30.9 46.3#

89 1.3 60.1 90.1#

182 0.0 1.9 2.9#

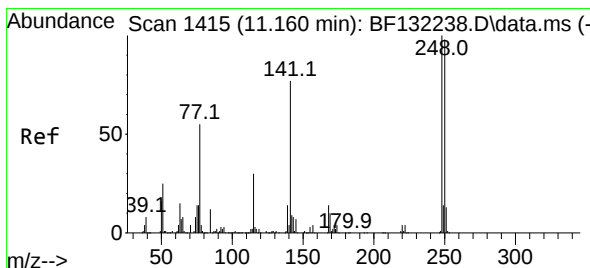
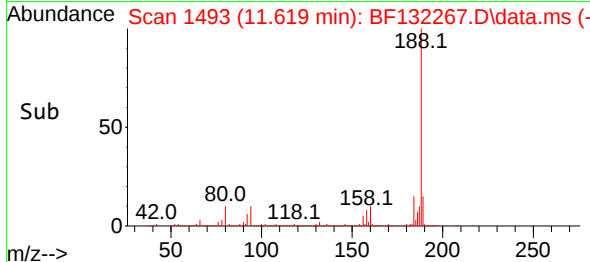
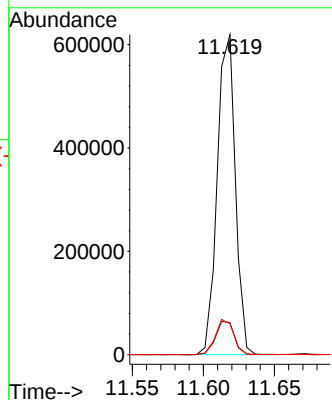
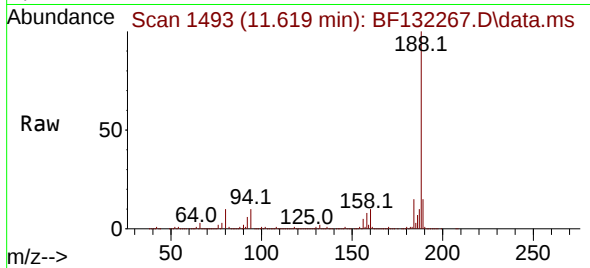




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.619 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

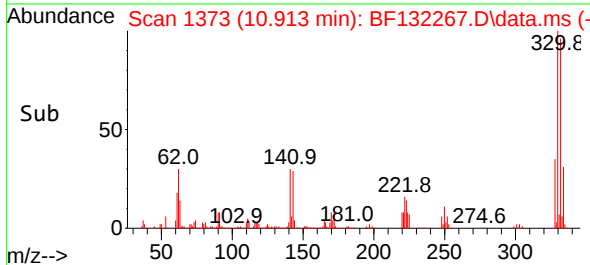
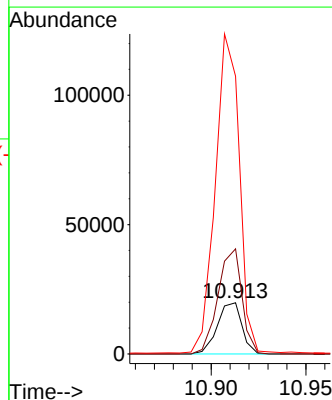
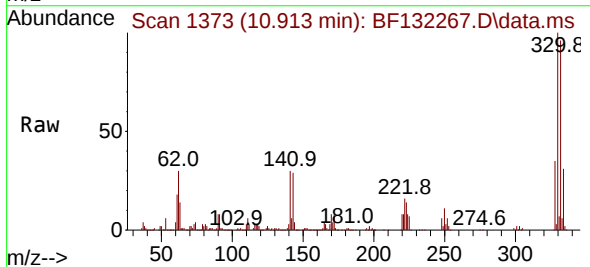
Instrument :
BNA_F
ClientSampleId :
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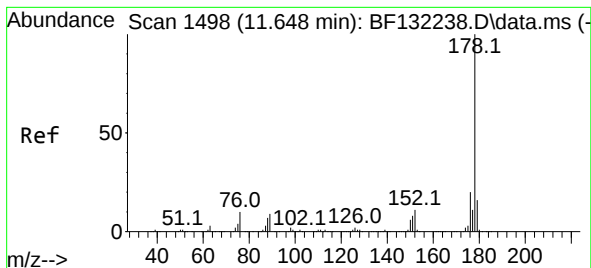
Tgt Ion:188 Resp: 549589
Ion Ratio Lower Upper
188 100
94 10.0 8.2 12.2
80 9.7 8.3 12.5



#67
4-Bromophenyl-phenylether
Concen: 3.173 ng
RT: 10.913 min Scan# 1373
Delta R.T. -0.247 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

Tgt Ion:248 Resp: 17857
Ion Ratio Lower Upper
248 100
250 205.6 78.6 117.8#
141 543.1 61.6 92.4#





#71

Phenanthrene

Concen: 5.762 ng

RT: 11.642 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF132267.D

Acq: 01 Feb 2023 18:58

Instrument :

BNA_F

ClientSampleId :

JC-3-012723

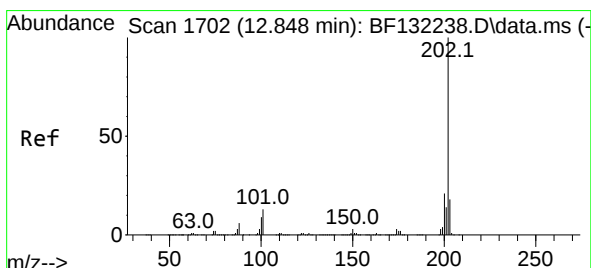
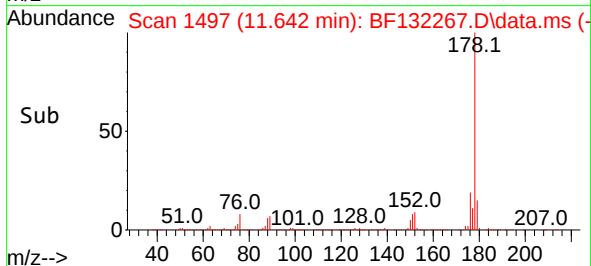
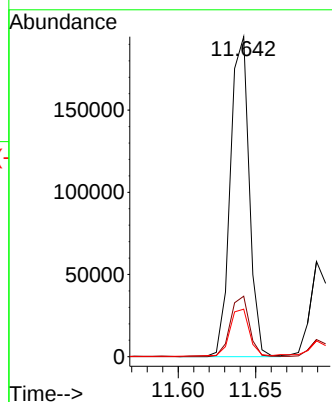
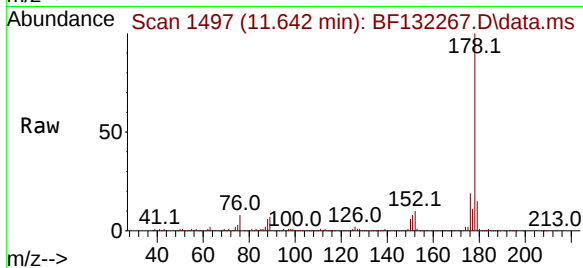
Tgt Ion:178 Resp: 165471

Ion Ratio Lower Upper

178 100

176 18.9 16.2 24.4

179 14.8 12.8 19.2



#75

Fluoranthene

Concen: 14.323 ng

RT: 12.836 min Scan# 1700

Delta R.T. -0.012 min

Lab File: BF132267.D

Acq: 01 Feb 2023 18:58

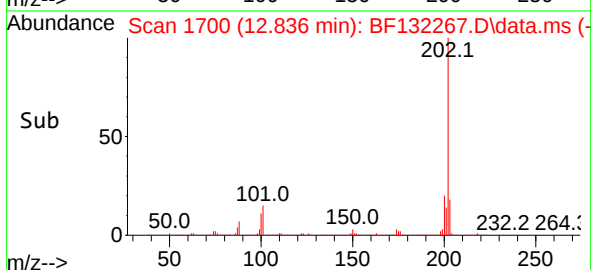
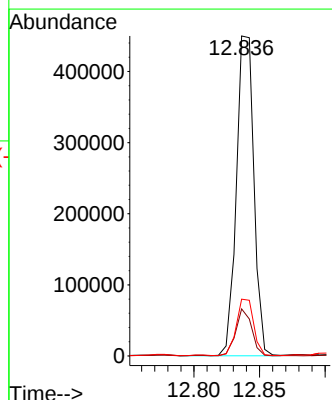
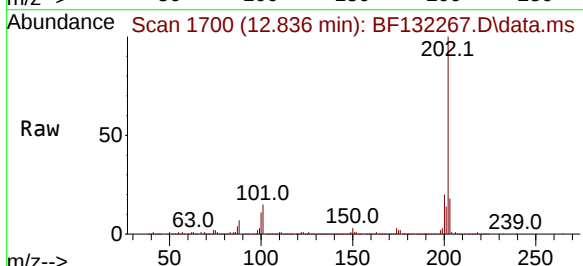
Tgt Ion:202 Resp: 419764

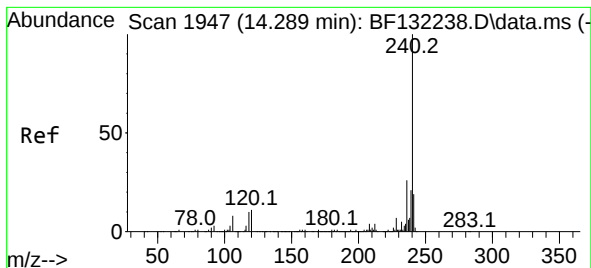
Ion Ratio Lower Upper

202 100

101 14.7 0.0 32.7

203 17.8 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.277 min Scan# 1945

Delta R.T. -0.012 min

Lab File: BF132267.D

Acq: 01 Feb 2023 18:58

Instrument :

BNA_F

ClientSampleId :

JC-3-012723

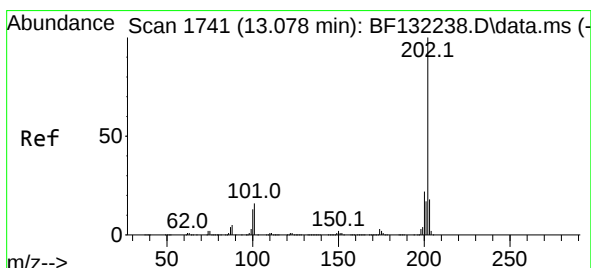
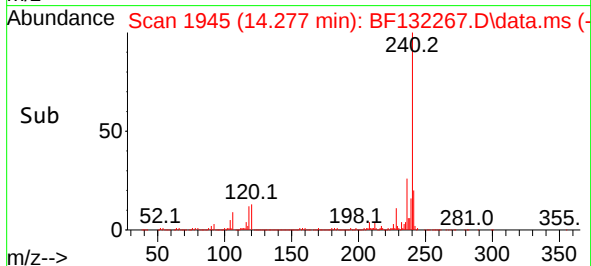
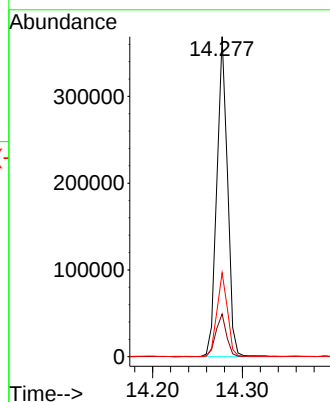
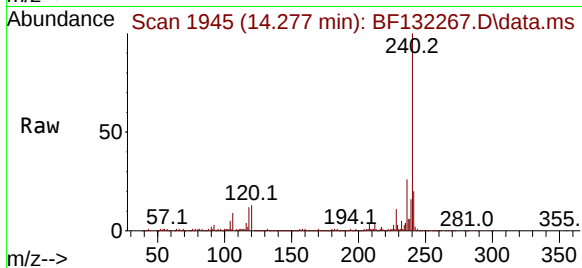
Tgt Ion:240 Resp: 305596

Ion Ratio Lower Upper

240 100

120 13.4 8.8 13.2#

236 26.2 21.0 31.6



#78

Pyrene

Concen: 15.955 ng

RT: 13.072 min Scan# 1740

Delta R.T. -0.006 min

Lab File: BF132267.D

Acq: 01 Feb 2023 18:58

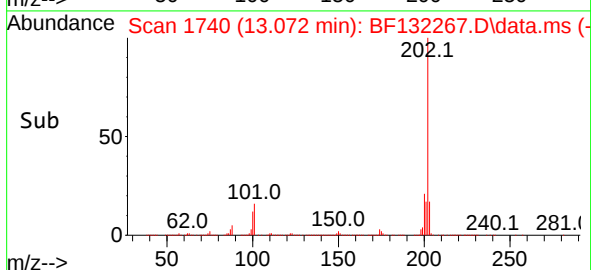
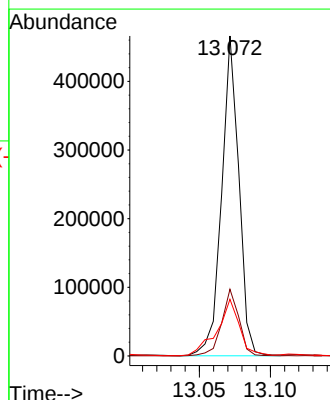
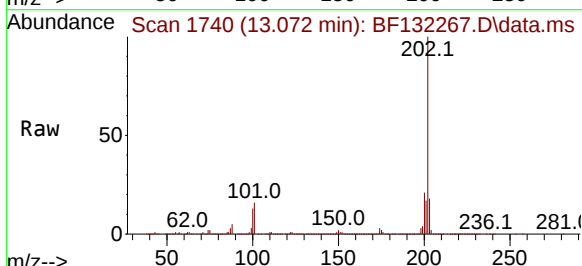
Tgt Ion:202 Resp: 392168

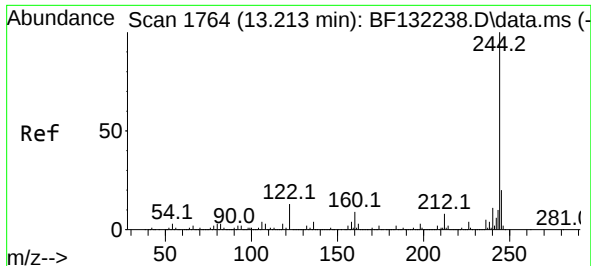
Ion Ratio Lower Upper

202 100

200 20.8 17.3 25.9

203 17.7 14.4 21.6

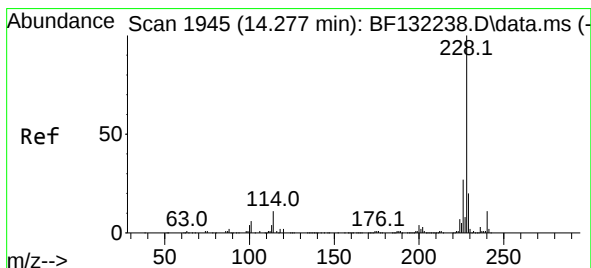
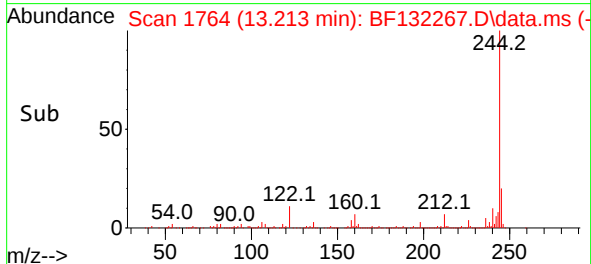
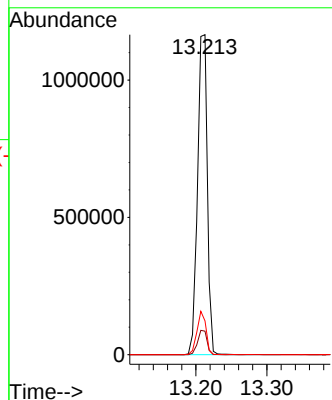
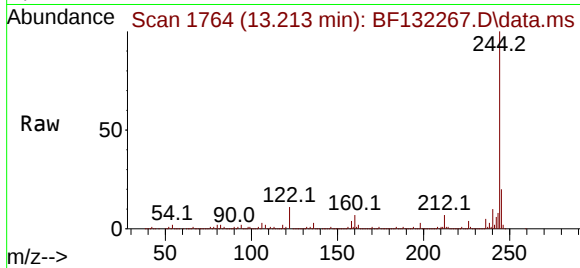




#79
 Terphenyl-d14
 Concen: 70.930 ng
 RT: 13.213 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF132267.D
 Acq: 01 Feb 2023 18:58

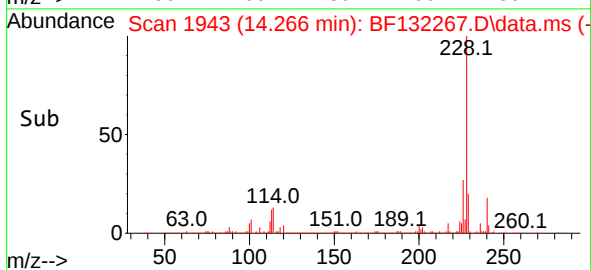
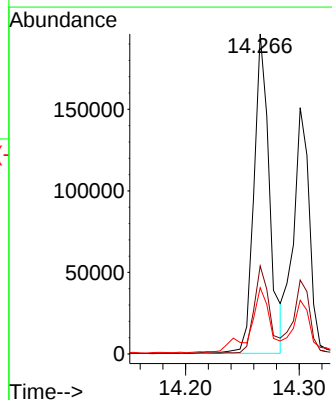
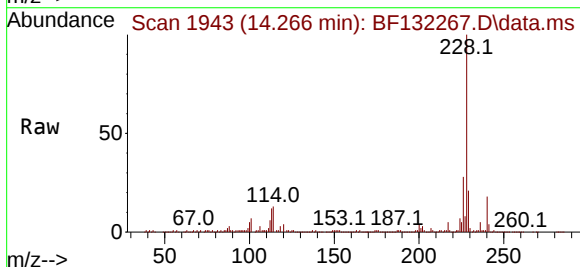
Instrument :
 BNA_F
 ClientSampleId :
 JC-3-012723

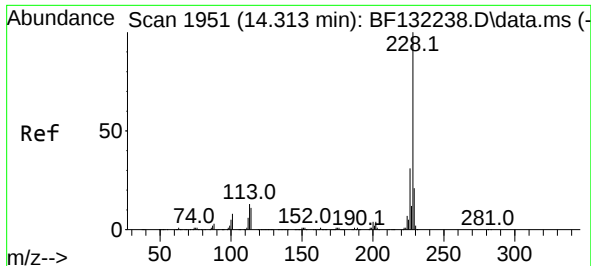
Tgt Ion:244 Resp: 1120553
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.4 9.6
 122 10.5 10.5 15.7



#81
 Benzo(a)anthracene
 Concen: 8.752 ng
 RT: 14.266 min Scan# 1943
 Delta R.T. -0.012 min
 Lab File: BF132267.D
 Acq: 01 Feb 2023 18:58

Tgt Ion:228 Resp: 187070
 Ion Ratio Lower Upper
 228 100
 226 27.5 22.0 33.0
 229 20.7 15.8 23.6





#83

Chrysene

Concen: 7.447 ng

RT: 14.301 min Scan# 1949

Delta R.T. -0.012 min

Lab File: BF132267.D

Acq: 01 Feb 2023 18:58

Instrument :

BNA_F

ClientSampleId :

JC-3-012723

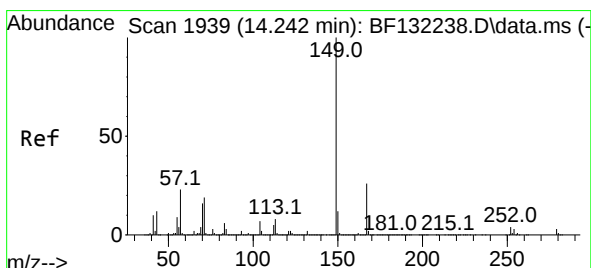
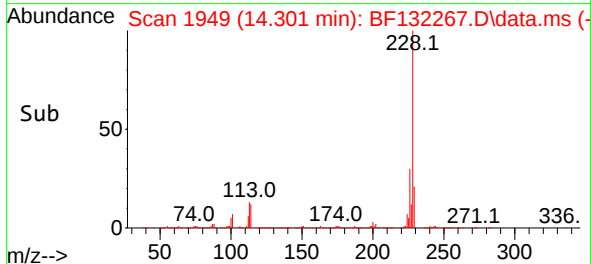
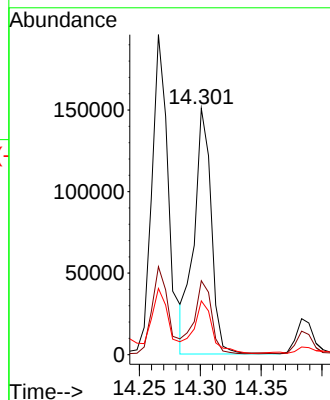
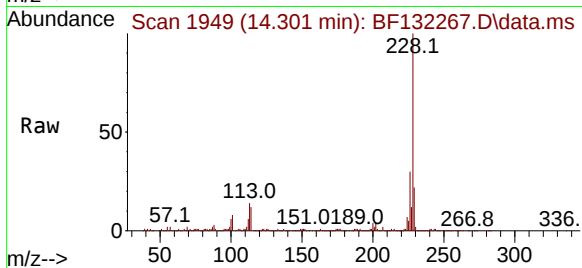
Tgt Ion:228 Resp: 149053

Ion Ratio Lower Upper

228 100

226 30.0 24.9 37.3

229 21.8 16.4 24.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.265 ng

RT: 14.242 min Scan# 1939

Delta R.T. -0.000 min

Lab File: BF132267.D

Acq: 01 Feb 2023 18:58

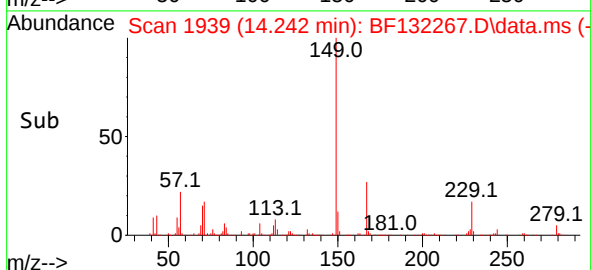
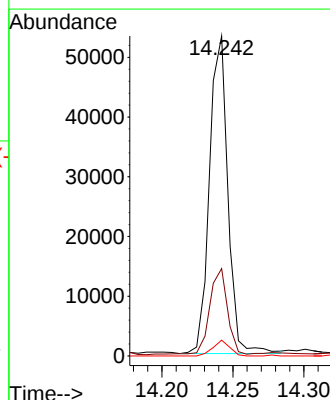
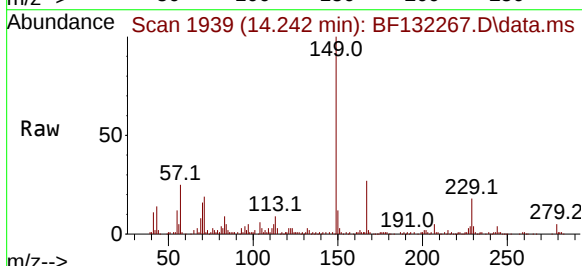
Tgt Ion:149 Resp: 47926

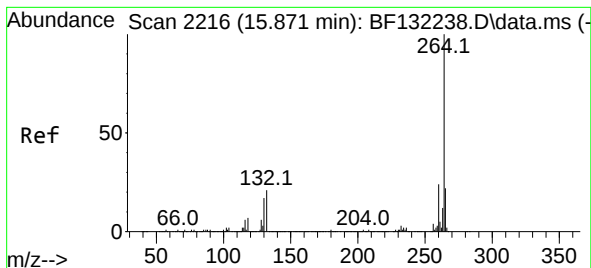
Ion Ratio Lower Upper

149 100

167 27.3 20.7 31.1

279 5.0 2.7 4.1#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.866 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF132267.D

Acq: 01 Feb 2023 18:58

Instrument :

BNA_F

ClientSampleId :

JC-3-012723

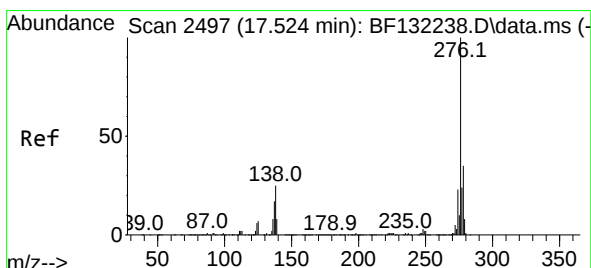
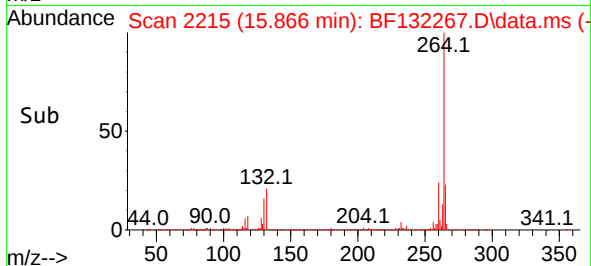
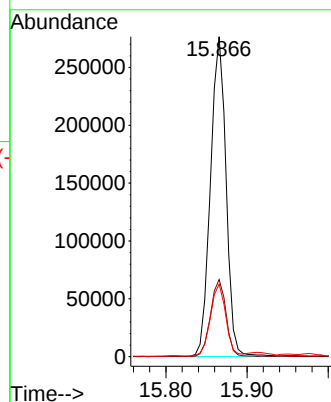
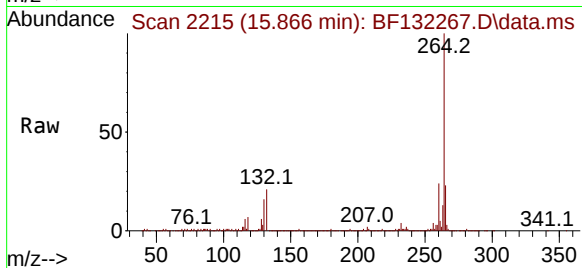
Tgt Ion:264 Resp: 367487

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.4

265 22.7 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.426 ng

RT: 17.501 min Scan# 2493

Delta R.T. -0.024 min

Lab File: BF132267.D

Acq: 01 Feb 2023 18:58

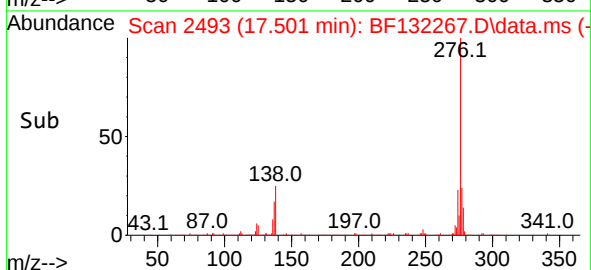
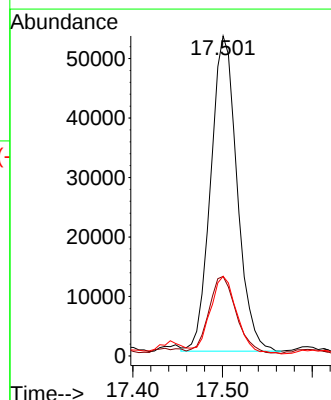
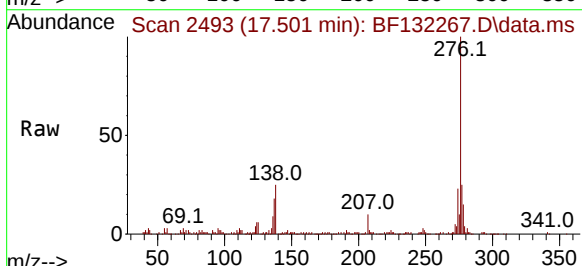
Tgt Ion:276 Resp: 108063

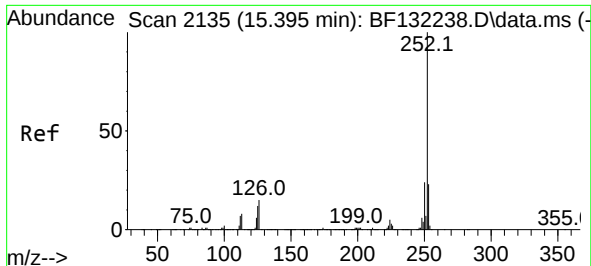
Ion Ratio Lower Upper

276 100

138 26.0 23.3 34.9

277 24.9 20.0 30.0

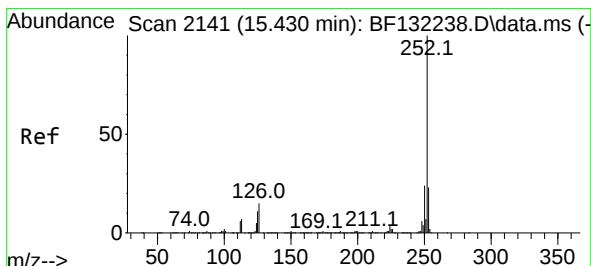
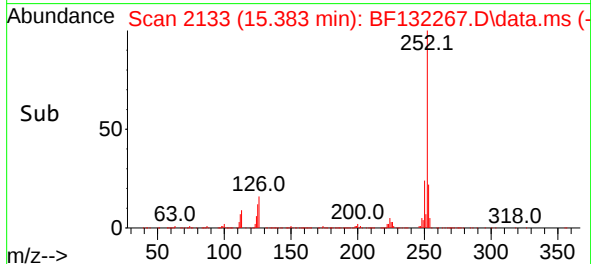
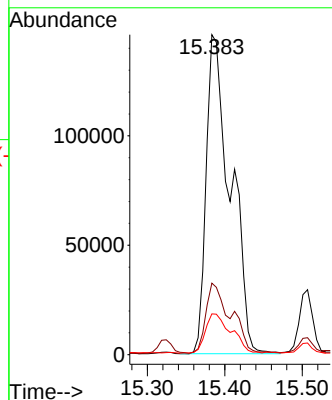
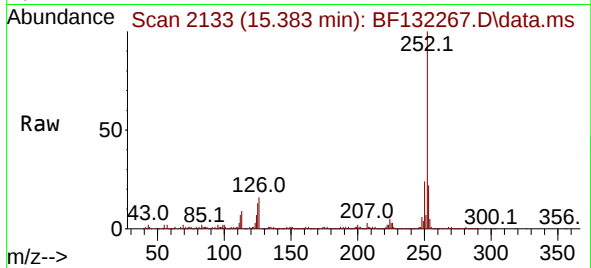




#88
Benzo(b)fluoranthene
Concen: 13.632 ng
RT: 15.383 min Scan# 2133
Delta R.T. -0.012 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

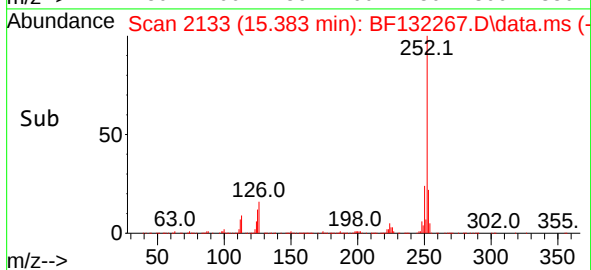
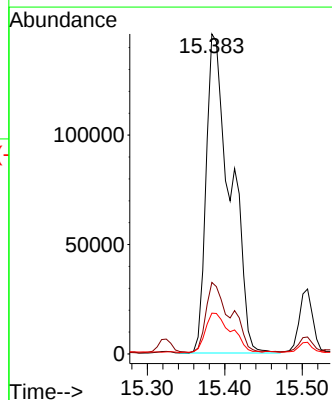
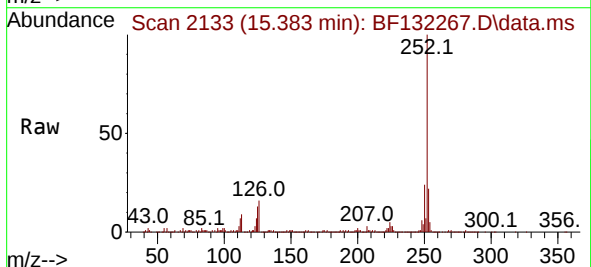
Instrument :
BNA_F
ClientSampleId :
JC-3-012723

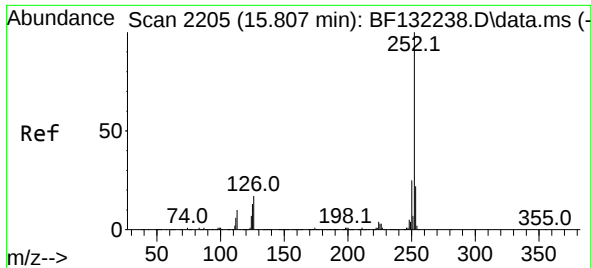
Tgt Ion:252 Resp: 318436
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 12.7 9.6 14.4



#89
Benzo(k)fluoranthene
Concen: 14.282 ng
RT: 15.383 min Scan# 2133
Delta R.T. -0.047 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

Tgt Ion:252 Resp: 318436
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 12.7 9.0 13.6

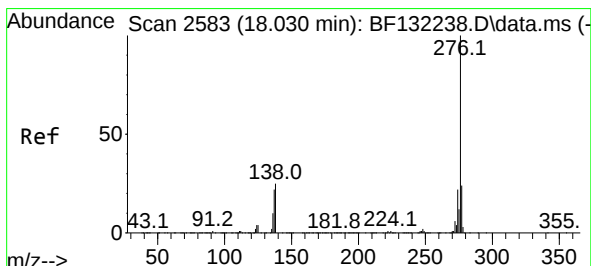
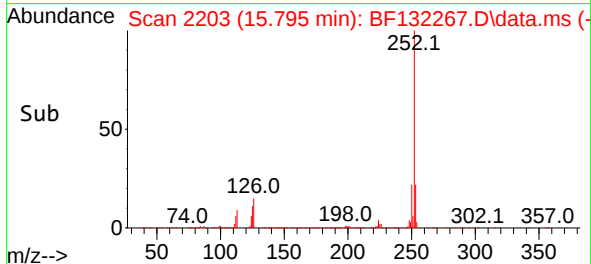
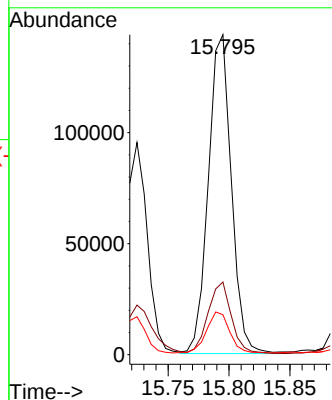
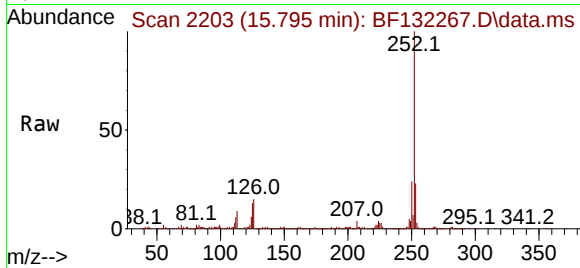




#90
Benzo(a)pyrene
Concen: 8.723 ng
RT: 15.795 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

Instrument :
BNA_F
ClientSampleId :
JC-3-012723

Tgt Ion:252 Resp: 189745
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.8
125 12.5 10.2 15.4



#92
Benzo(g,h,i)perylene
Concen: 5.044 ng
RT: 18.001 min Scan# 2578
Delta R.T. -0.029 min
Lab File: BF132267.D
Acq: 01 Feb 2023 18:58

Tgt Ion:276 Resp: 102293
Ion Ratio Lower Upper
276 100
277 24.8 19.4 29.2
138 24.6 20.3 30.5

