

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042423\
 Data File : BF133013.D
 Acq On : 25 Apr 2023 00:25
 Operator : CG\JU
 Sample : 02467-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 279

Quant Time: Apr 25 02:16:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 22 03:30:56 2023
 Response via : Initial Calibration

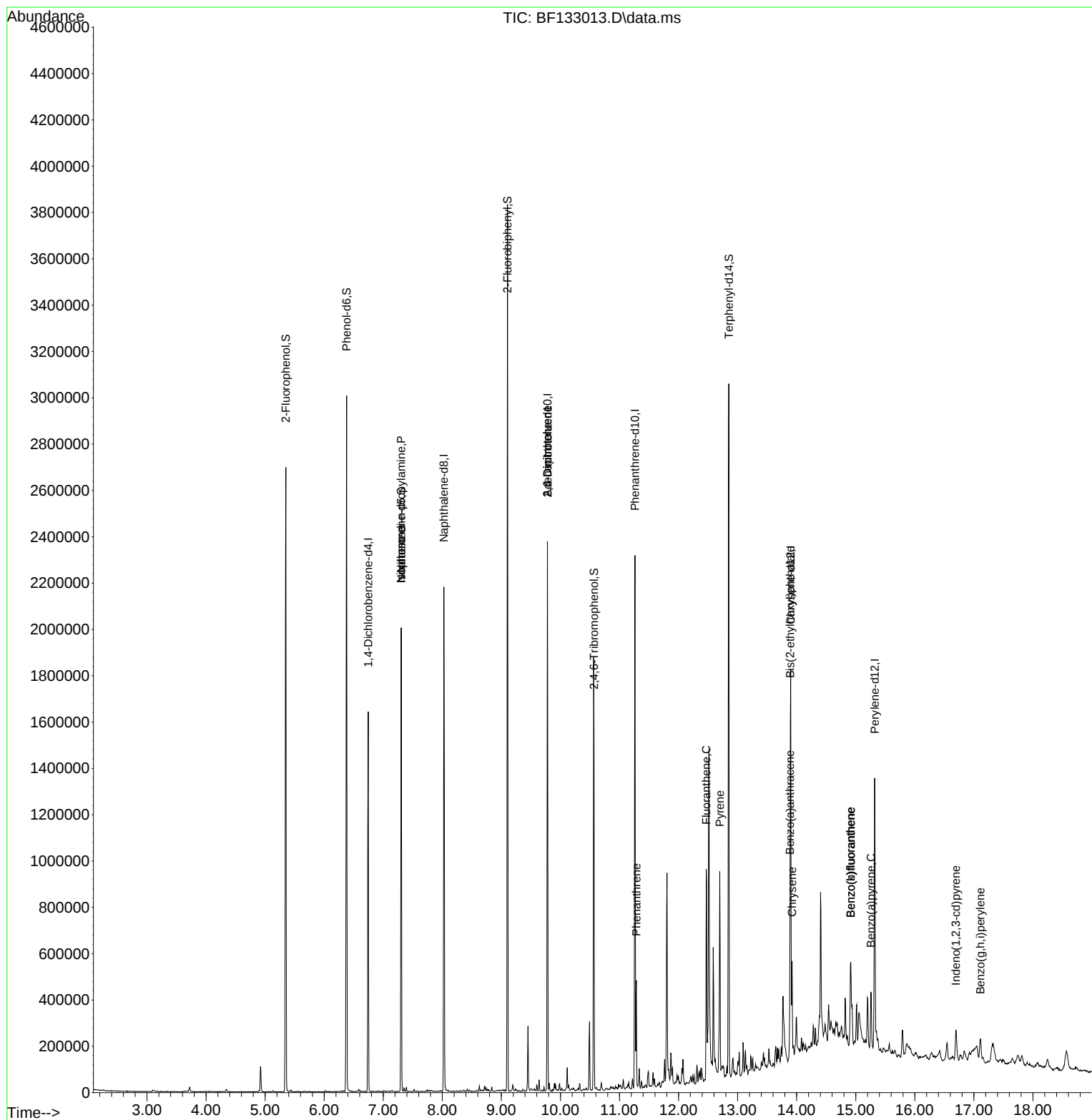
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	207155	20.000	ng	0.00
21) Naphthalene-d8	8.028	136	824356	20.000	ng	-0.01
39) Acenaphthene-d10	9.780	164	417612	20.000	ng	-0.01
64) Phenanthrene-d10	11.263	188	735657	20.000	ng	0.00
76) Chrysene-d12	13.898	240	444407	20.000	ng	-0.01
86) Perylene-d12	15.321	264	457403	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	714691	52.117	ng	0.00
7) Phenol-d6	6.381	99	910885	53.515	ng	0.00
23) Nitrobenzene-d5	7.304	82	537271	35.179	ng	-0.02
42) 2,4,6-Tribromophenol	10.569	330	204544	48.702	ng	-0.01
45) 2-Fluorobiphenyl	9.104	172	974900	39.056	ng	-0.01
79) Terphenyl-d14	12.851	244	981116	38.075	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.286	77	803	Below Cal	Qvalue	# 89
19) n-Nitroso-di-n-propyla...	7.304	70	70200	6.625	ng	# 79
25) Isophorone	7.304	82	537161	18.525	ng	# 63
51) 2,6-Dinitrotoluene	9.780	165	54427	8.304	ng	# 25
57) 2,4-Dinitrotoluene	9.780	165	54427	6.512	ng	# 23
71) Phenanthrene	11.286	178	160409	4.057	ng	99
75) Fluoranthene	12.468	202	353992	8.921	ng	100
78) Pyrene	12.698	202	318912	8.371	ng	100
81) Benzo(a)anthracene	13.886	228	112752	3.689	ng	95
83) Chrysene	13.921	228	137297	4.494	ng	98
84) Bis(2-ethylhexyl)phtha...	13.892	149	42624	2.518	ng	# 99
87) Indeno(1,2,3-cd)pyrene	16.698	276	82900	3.186	ng	94
88) Benzo(b)fluoranthene	14.915	252	251553	8.645	ng	# 96
89) Benzo(k)fluoranthene	14.915	252	251553	8.721	ng	# 96
90) Benzo(a)pyrene	15.256	252	111121	4.195	ng	# 97
92) Benzo(g,h,i)perylene	17.109	276	74787	3.491	ng	98

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

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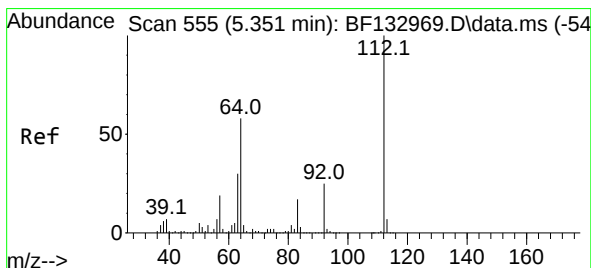
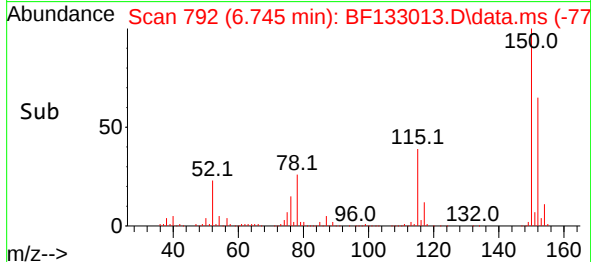
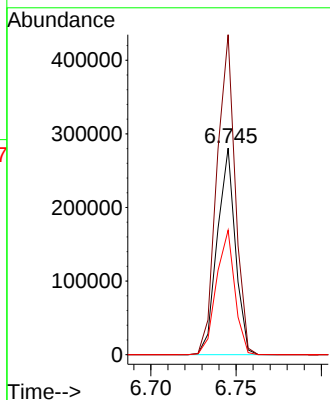
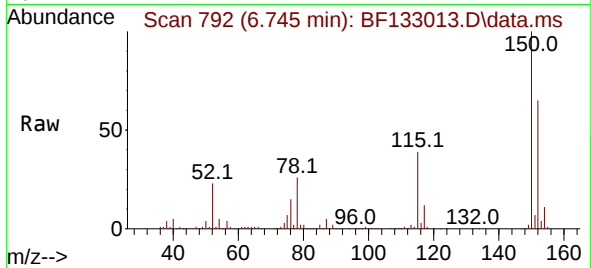




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.745 min Scan# 793
 Delta R.T. -0.006 min
 Lab File: BF133013.D
 Acq: 25 Apr 2023 00:25

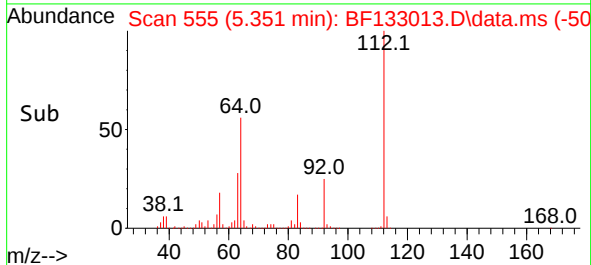
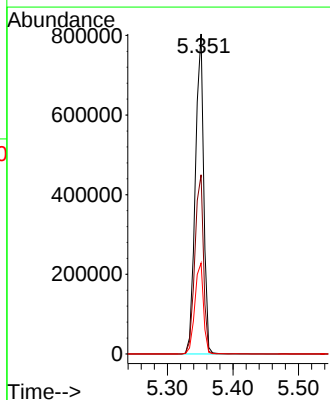
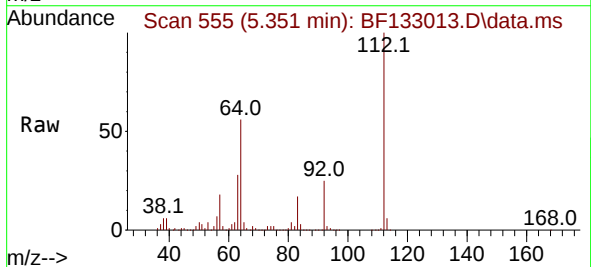
Instrument :
 BNA_F
 ClientSampleId :
 279

Tgt Ion:152 Resp: 207155
 Ion Ratio Lower Upper
 152 100
 150 154.9 124.8 187.2
 115 60.3 49.9 74.9



#5
 2-Fluorophenol
 Concen: 52.117 ng
 RT: 5.351 min Scan# 555
 Delta R.T. -0.000 min
 Lab File: BF133013.D
 Acq: 25 Apr 2023 00:25

Tgt Ion:112 Resp: 714691
 Ion Ratio Lower Upper
 112 100
 64 56.0 46.8 70.2
 63 28.4 23.8 35.8

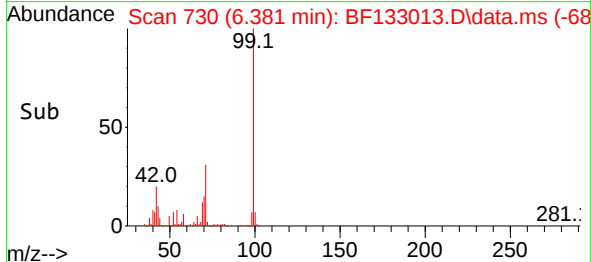
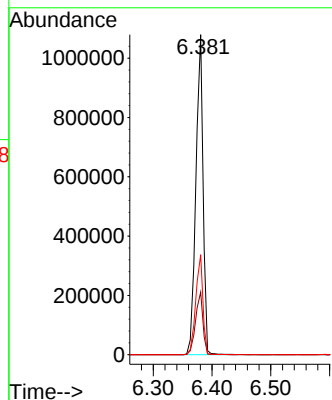
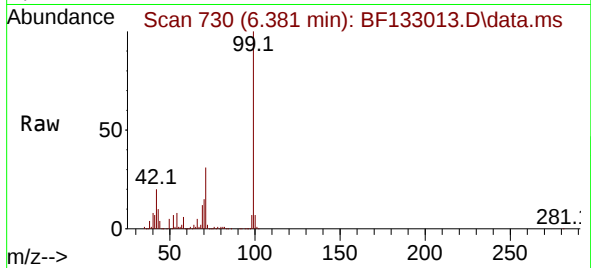




#7
Phenol-d6
Concen: 53.515 ng
RT: 6.381 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25

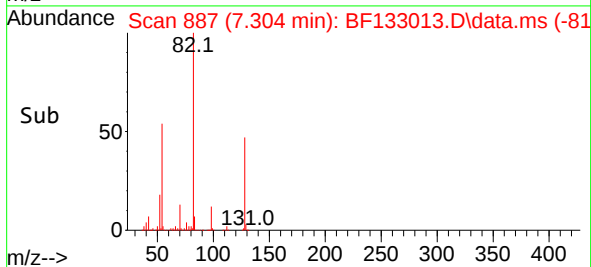
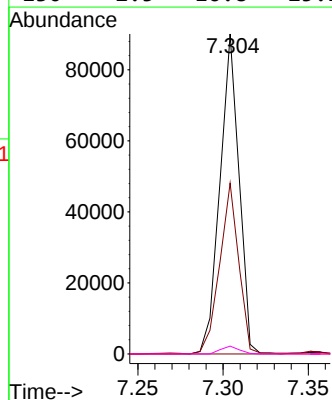
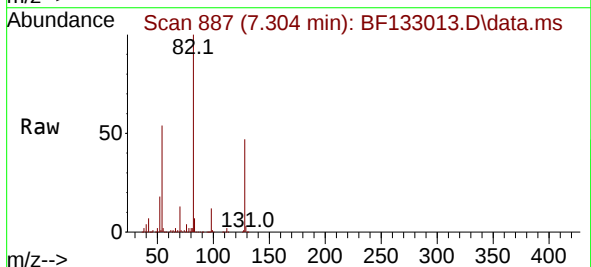
Instrument :
BNA_F
ClientSampleId :
279

Tgt Ion: 99 Resp: 910885
Ion Ratio Lower Upper
99 100
42 19.5 16.3 24.5
71 31.3 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 6.625 ng
RT: 7.304 min Scan# 887
Delta R.T. 0.129 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25

Tgt Ion: 70 Resp: 70200
Ion Ratio Lower Upper
70 100
42 53.4 51.8 77.6
101 0.0 8.0 12.0#
130 2.5 16.8 25.2#



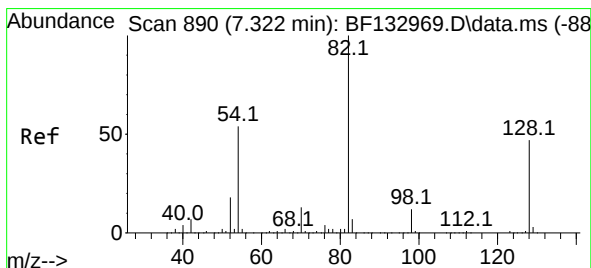
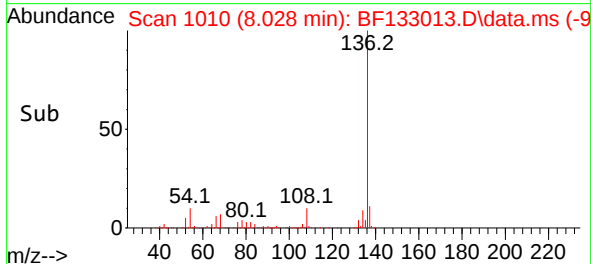
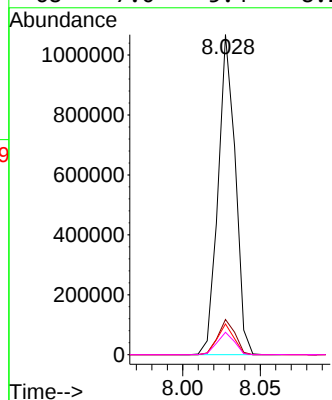
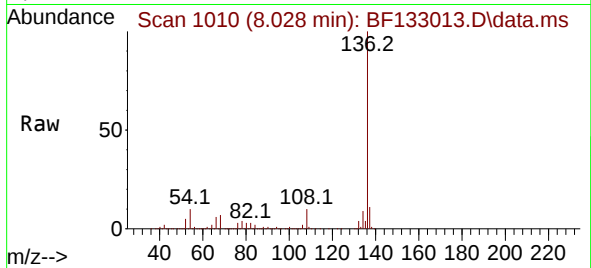


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25

Instrument :
BNA_F
ClientSampleId :
279

Tgt Ion:136 Resp: 824356

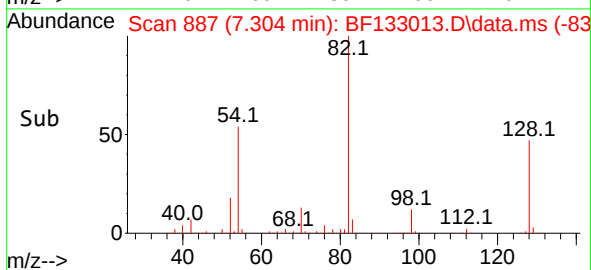
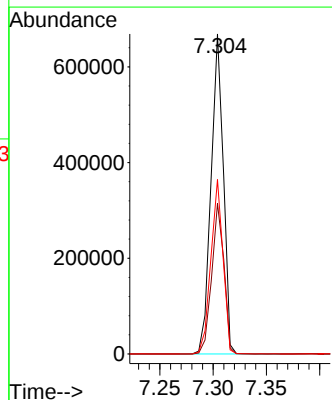
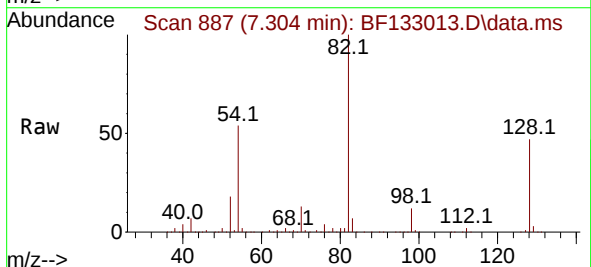
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.6	7.0	10.4
68	7.0	5.4	8.2



#23
Nitrobenzene-d5
Concen: 35.179 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.018 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25

Tgt Ion: 82 Resp: 537271

Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.7	56.5
54	54.5	43.0	64.4

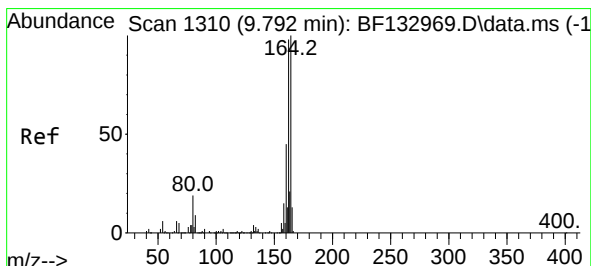
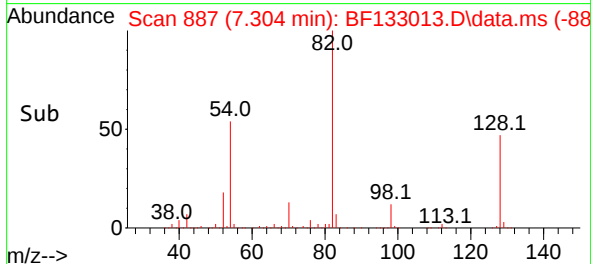
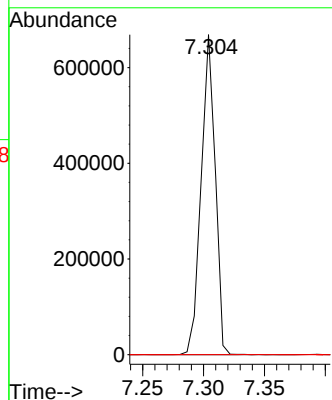
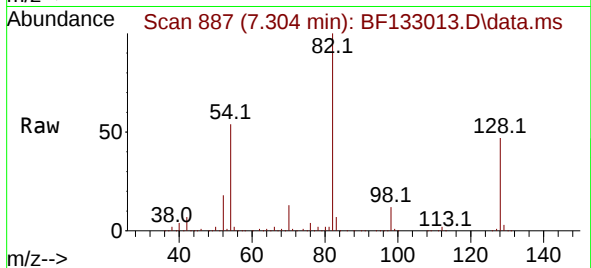




#25
Isophorone
Concen: 18.525 ng
RT: 7.304 min Scan# 81
Delta R.T. -0.277 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25

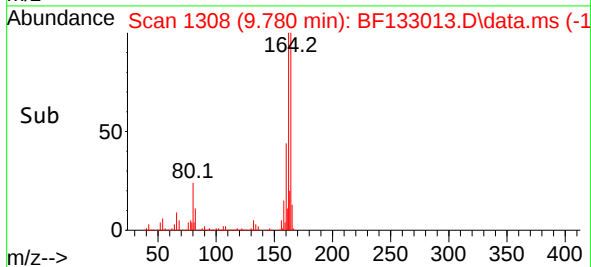
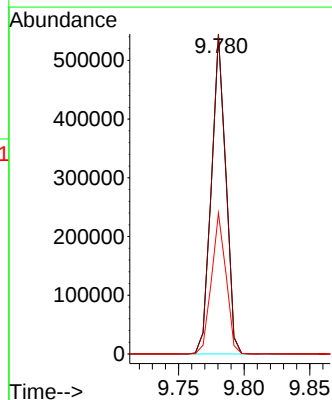
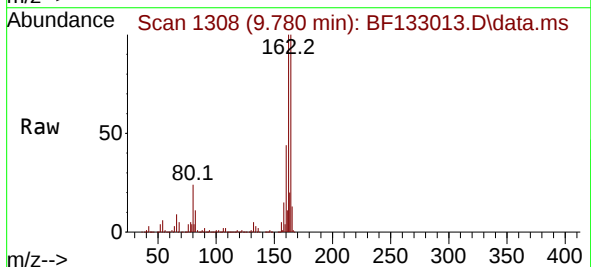
Instrument :
BNA_F
ClientSampleId :
279

Tgt Ion: 82 Resp: 537161
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.780 min Scan# 1308
Delta R.T. -0.012 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25

Tgt Ion:164 Resp: 417612
Ion Ratio Lower Upper
164 100
162 99.8 78.7 118.1
160 44.0 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 48.702 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.012 min

Lab File: BF133013.D

Acq: 25 Apr 2023 00:25

Instrument :

BNA_F

ClientSampleId :

279

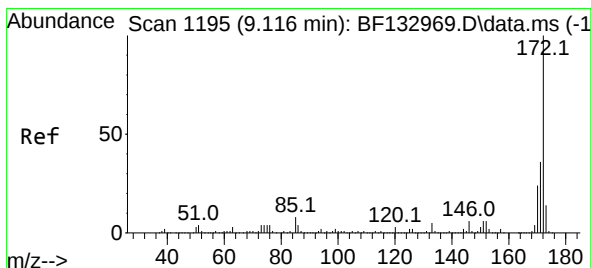
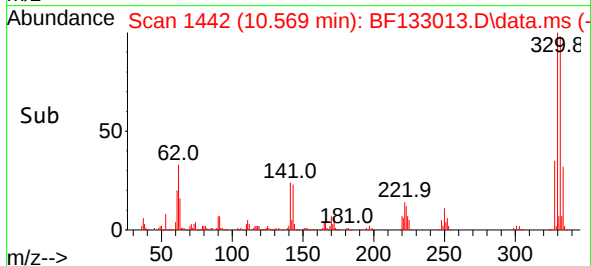
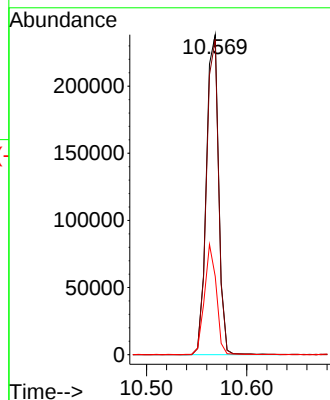
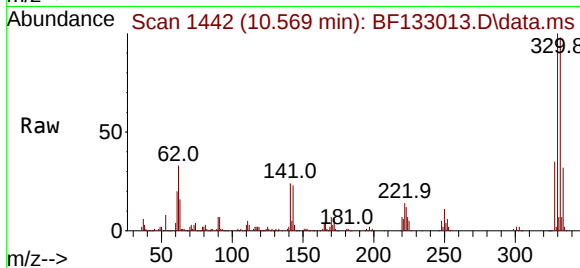
Tgt Ion:330 Resp: 204544

Ion Ratio Lower Upper

330 100

332 97.3 77.1 115.7

141 33.4 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 39.056 ng

RT: 9.104 min Scan# 1193

Delta R.T. -0.012 min

Lab File: BF133013.D

Acq: 25 Apr 2023 00:25

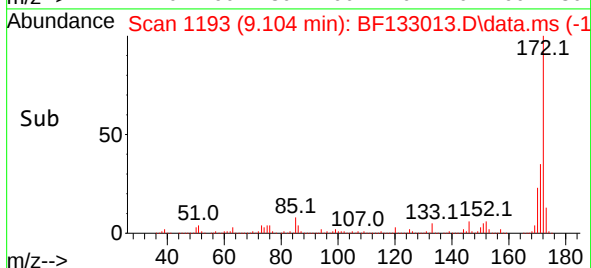
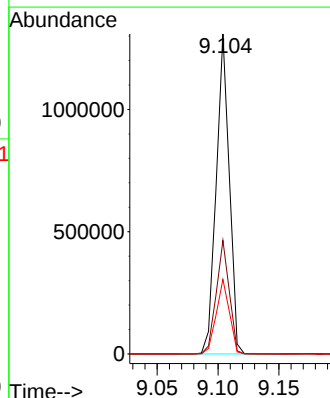
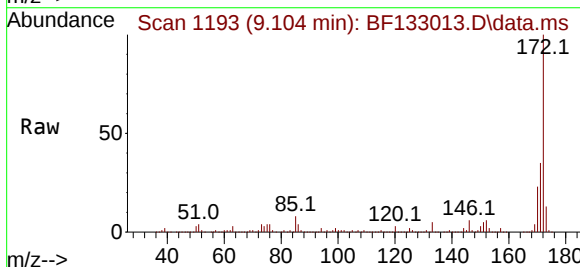
Tgt Ion:172 Resp: 974900

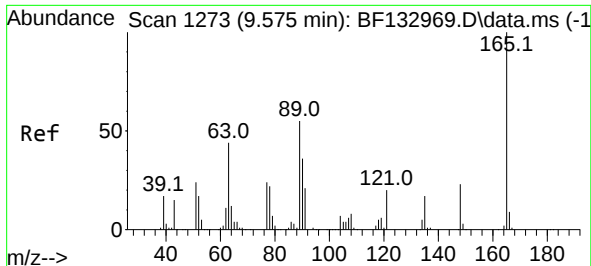
Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.3 19.4 29.2

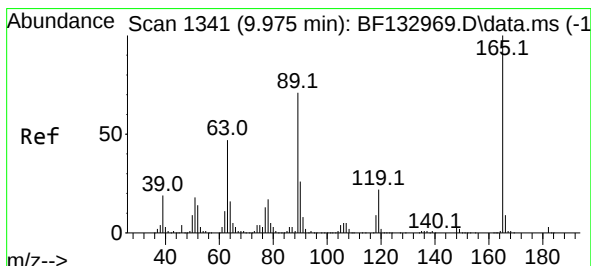
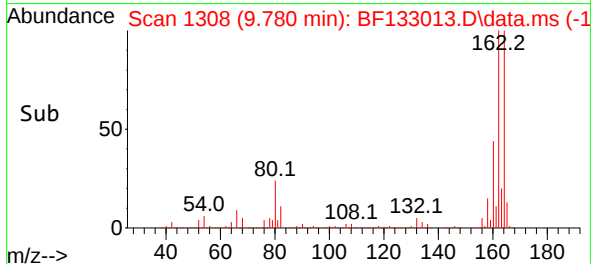
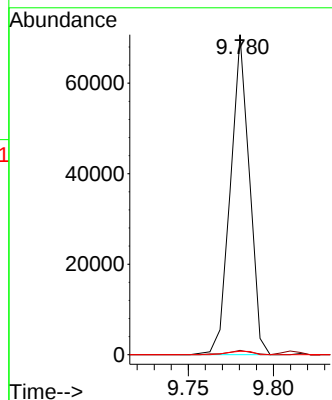
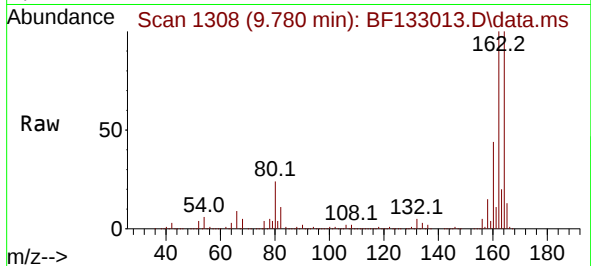




#51
2,6-Dinitrotoluene
Concen: 8.304 ng
RT: 9.780 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25

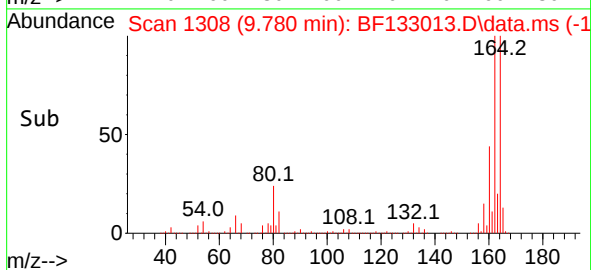
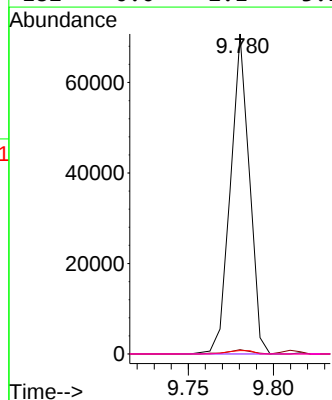
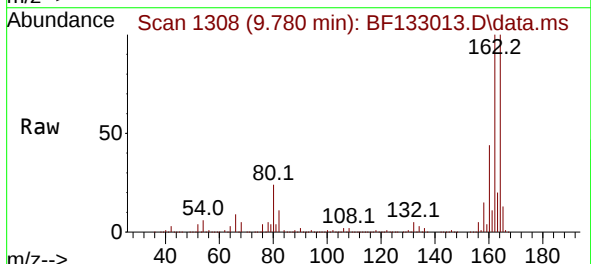
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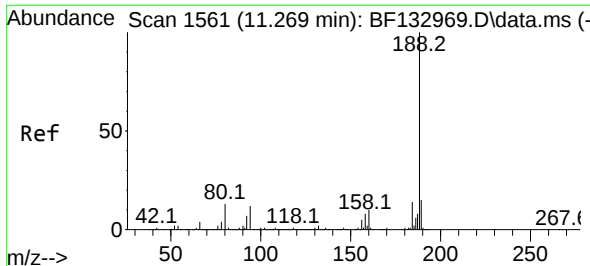
Tgt Ion:165 Resp: 54427
Ion Ratio Lower Upper
165 100
63 1.3 45.9 68.9#
89 1.1 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.512 ng
RT: 9.780 min Scan# 1308
Delta R.T. -0.194 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25

Tgt Ion:165 Resp: 54427
Ion Ratio Lower Upper
165 100
63 1.3 37.7 56.5#
89 1.1 57.0 85.4#
182 0.0 2.1 3.1#

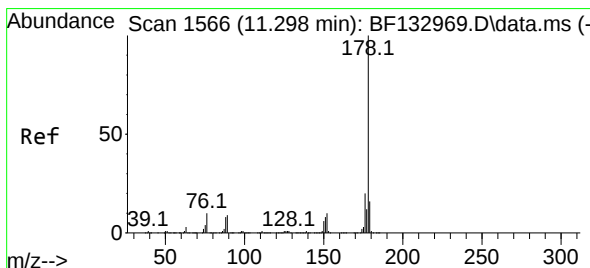
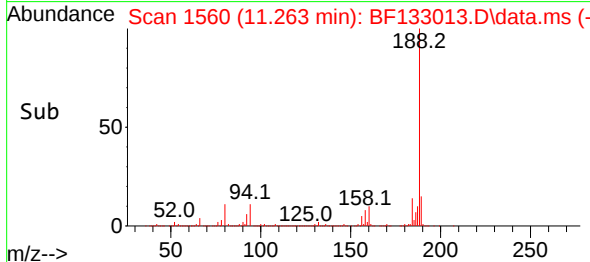
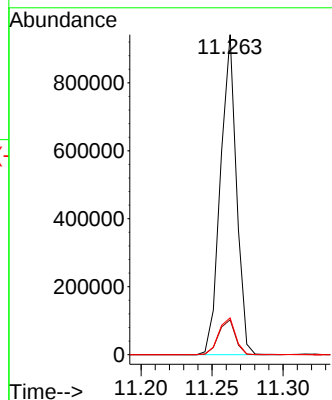
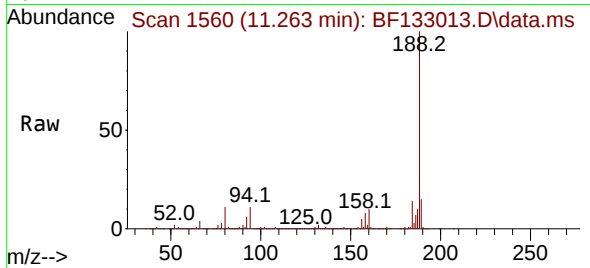




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25

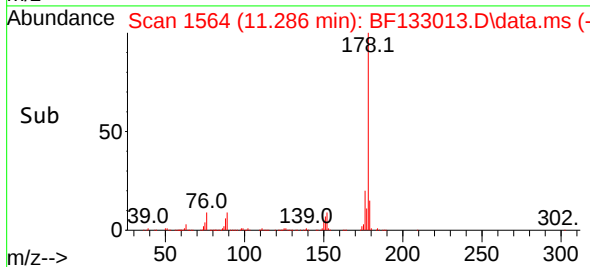
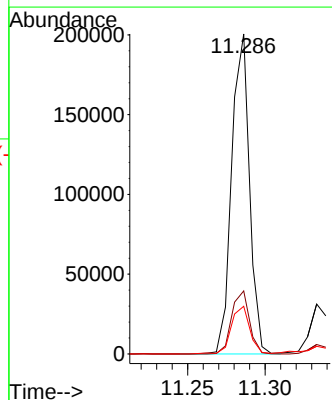
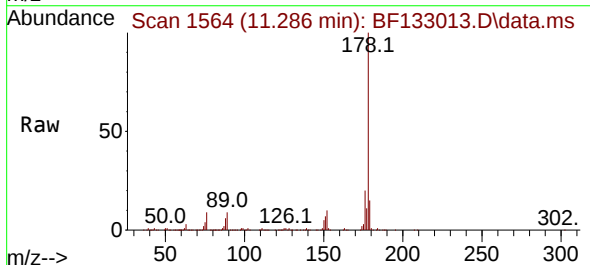
Instrument :
BNA_F
ClientSampleId :
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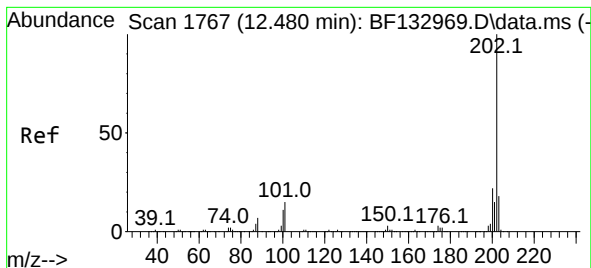
Tgt Ion:188 Resp: 735657
Ion Ratio Lower Upper
188 100
94 10.9 9.7 14.5
80 11.5 10.4 15.6



#71
Phenanthrene
Concen: 4.057 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25

Tgt Ion:178 Resp: 160409
Ion Ratio Lower Upper
178 100
176 19.7 15.9 23.9
179 14.9 12.5 18.7





#75

Fluoranthene

Concen: 8.921 ng

RT: 12.468 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF133013.D

Acq: 25 Apr 2023 00:25

Instrument :

BNA_F

ClientSampleId :

279

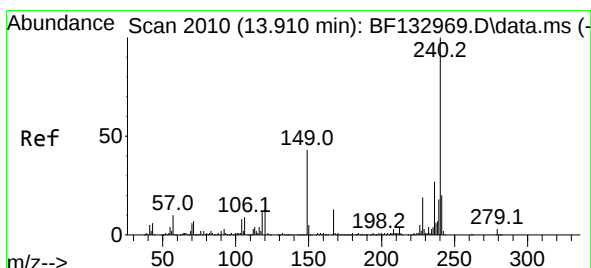
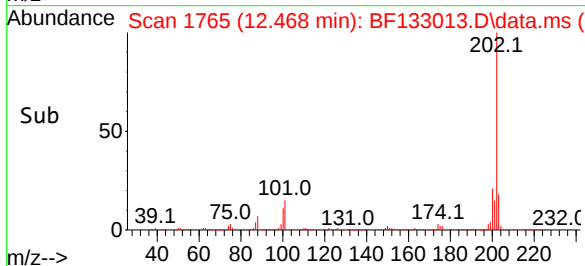
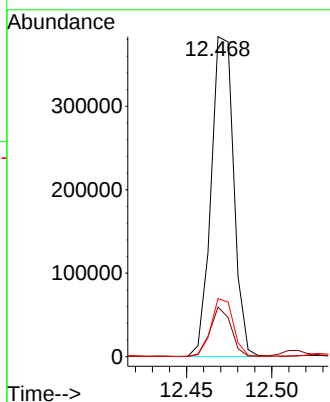
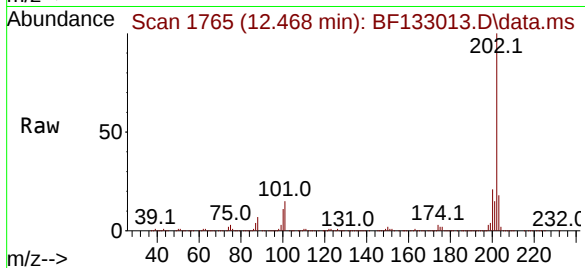
Tgt Ion:202 Resp: 353992

Ion Ratio Lower Upper

202 100

101 15.5 0.0 35.3

203 18.1 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.898 min Scan# 2008

Delta R.T. -0.012 min

Lab File: BF133013.D

Acq: 25 Apr 2023 00:25

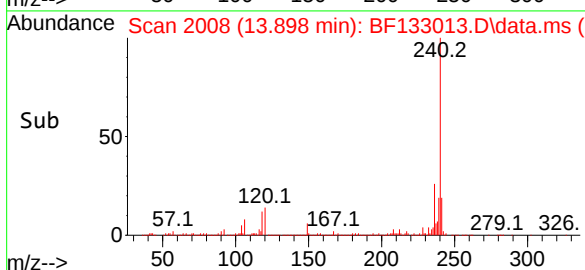
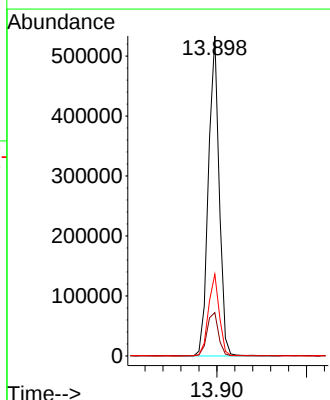
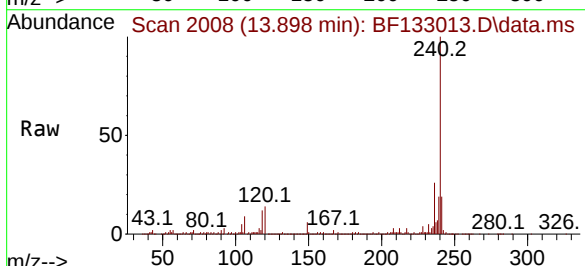
Tgt Ion:240 Resp: 444407

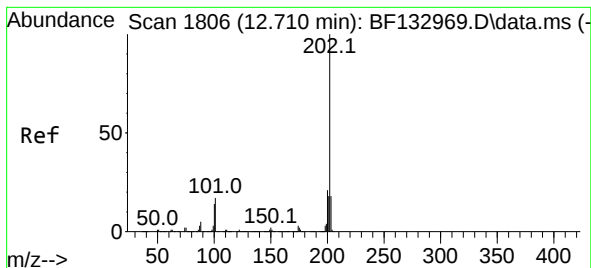
Ion Ratio Lower Upper

240 100

120 13.6 10.5 15.7

236 25.6 21.5 32.3





#78

Pyrene

Concen: 8.371 ng

RT: 12.698 min Scan# 1804

Delta R.T. -0.012 min

Lab File: BF133013.D

Acq: 25 Apr 2023 00:25

Instrument :

BNA_F

ClientSampleId :

279

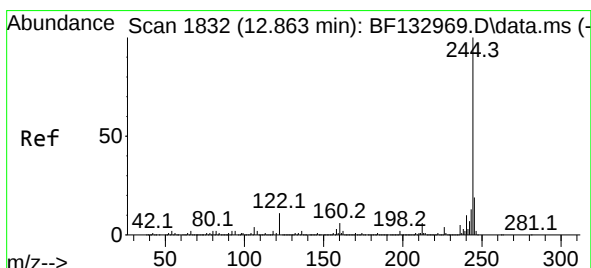
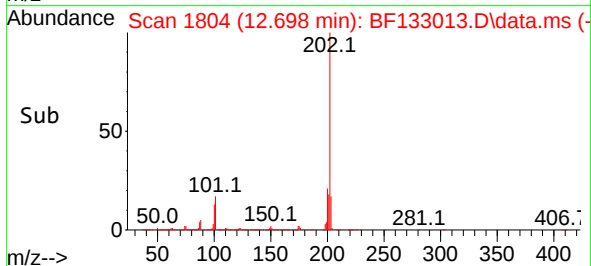
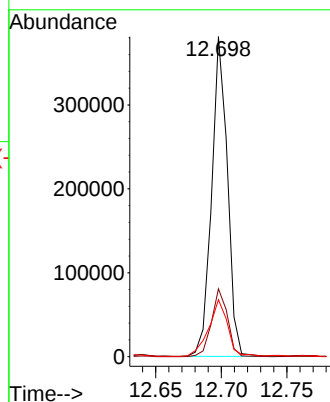
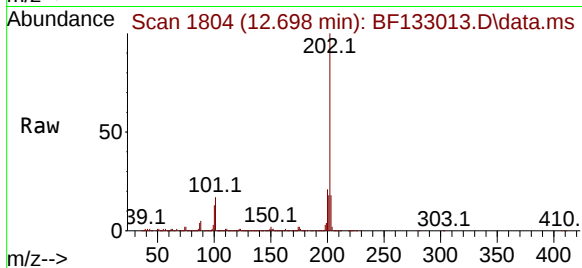
Tgt Ion:202 Resp: 318912

Ion Ratio Lower Upper

202 100

200 21.2 17.1 25.7

203 17.8 14.1 21.1



#79

Terphenyl-d14

Concen: 38.075 ng

RT: 12.851 min Scan# 1830

Delta R.T. -0.012 min

Lab File: BF133013.D

Acq: 25 Apr 2023 00:25

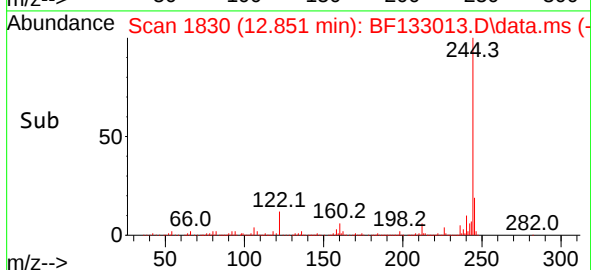
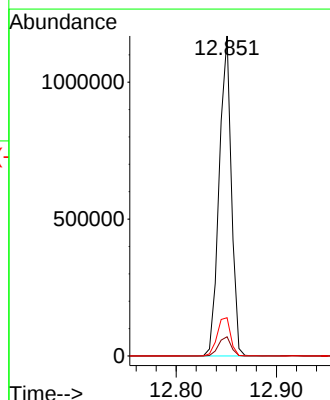
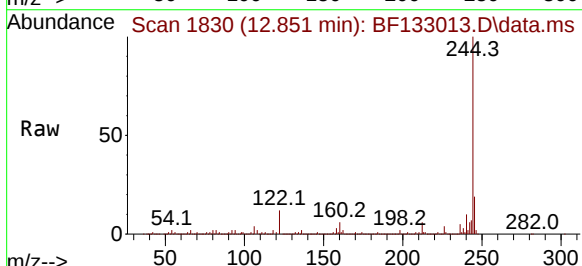
Tgt Ion:244 Resp: 981116

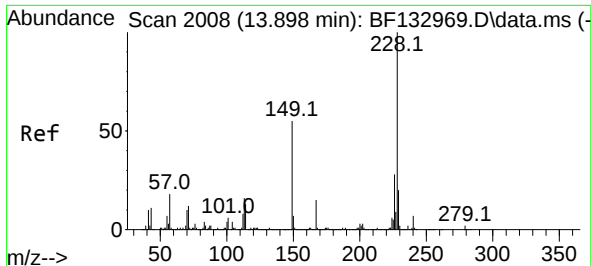
Ion Ratio Lower Upper

244 100

212 6.0 5.1 7.7

122 11.9 8.6 13.0

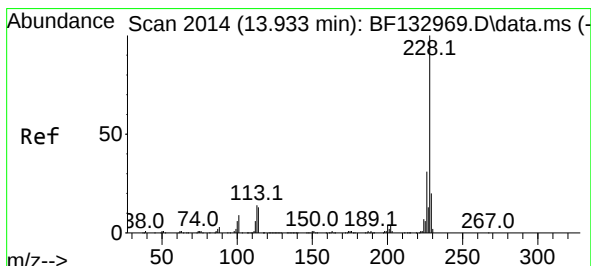
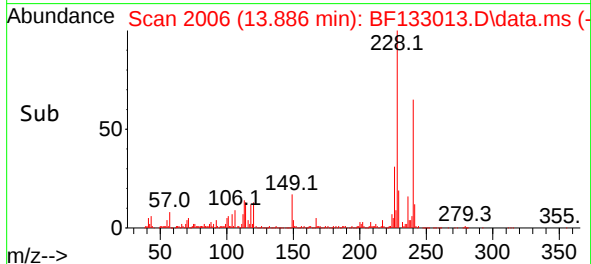
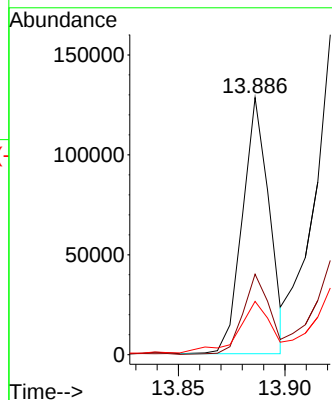
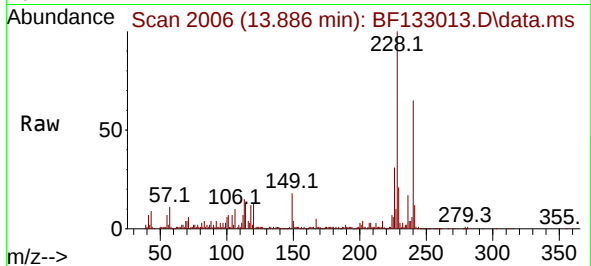




#81
Benzo(a)anthracene
Concen: 3.689 ng
RT: 13.886 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25

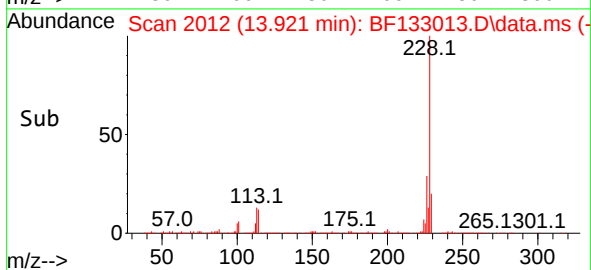
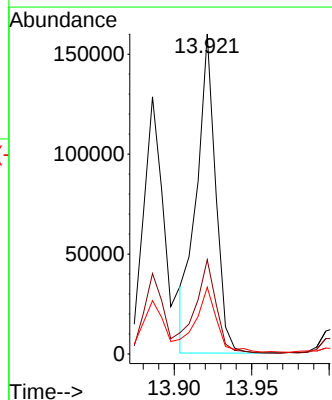
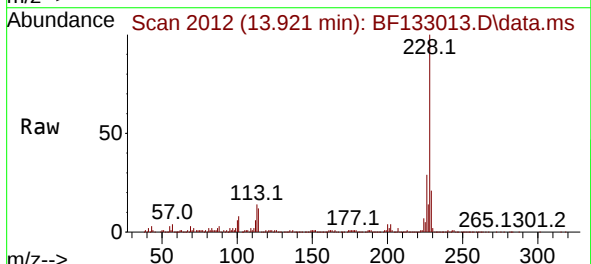
Instrument :
BNA_F
ClientSampleId :
279

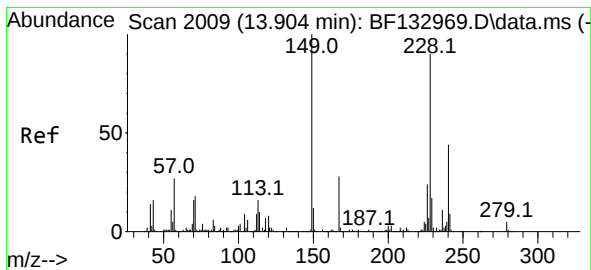
Tgt Ion:228 Resp: 112752
Ion Ratio Lower Upper
228 100
226 31.3 22.2 33.4
229 20.7 16.0 24.0



#83
Chrysene
Concen: 4.494 ng
RT: 13.921 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF133013.D
Acq: 25 Apr 2023 00:25

Tgt Ion:228 Resp: 137297
Ion Ratio Lower Upper
228 100
226 29.5 24.7 37.1
229 20.9 16.1 24.1





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.518 ng

RT: 13.892 min Scan# 2009

Delta R.T. -0.012 min

Lab File: BF133013.D

Acq: 25 Apr 2023 00:25

Instrument :

BNA_F

ClientSampleId :

279

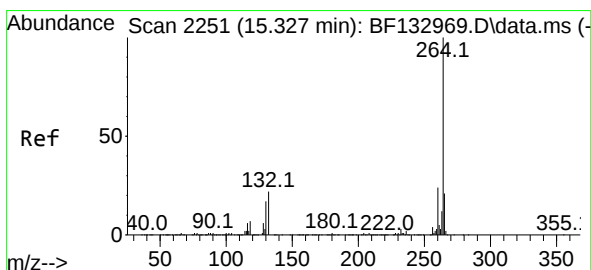
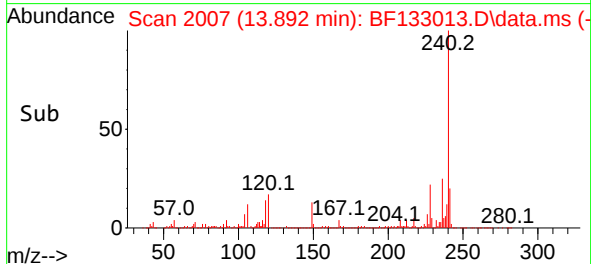
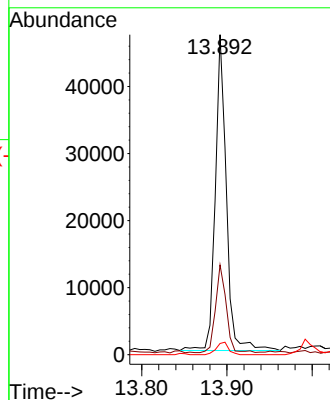
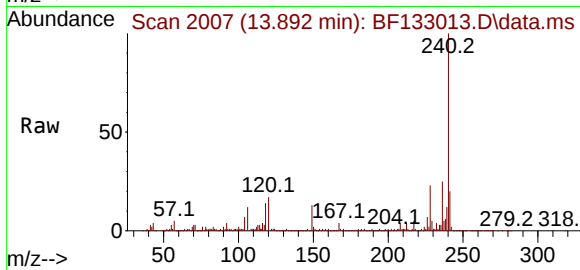
Tgt Ion:149 Resp: 42624

Ion Ratio Lower Upper

149 100

167 28.1 22.5 33.7

279 3.5 4.2 6.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.321 min Scan# 2250

Delta R.T. -0.006 min

Lab File: BF133013.D

Acq: 25 Apr 2023 00:25

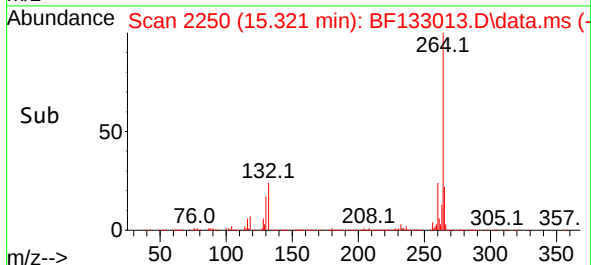
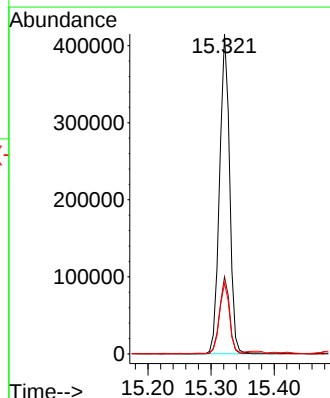
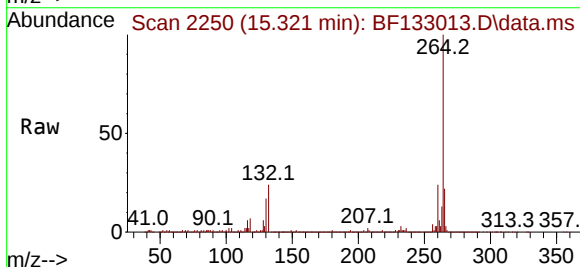
Tgt Ion:264 Resp: 457403

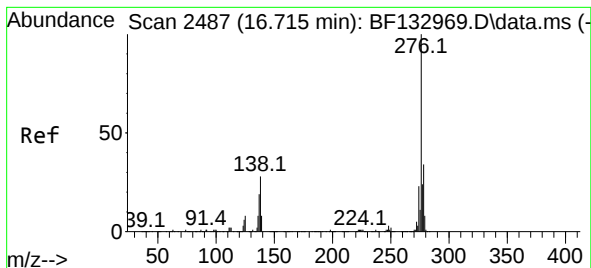
Ion Ratio Lower Upper

264 100

260 24.1 18.8 28.2

265 22.1 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.186 ng

RT: 16.698 min Scan# 2487

Delta R.T. -0.018 min

Lab File: BF133013.D

Acq: 25 Apr 2023 00:25

Instrument :

BNA_F

ClientSampleId :

279

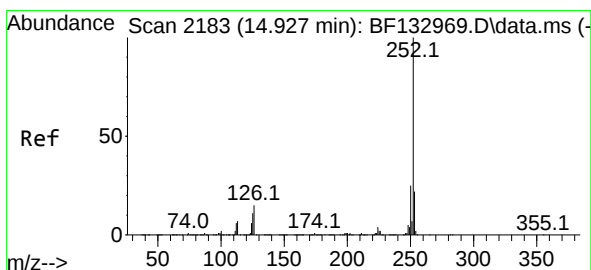
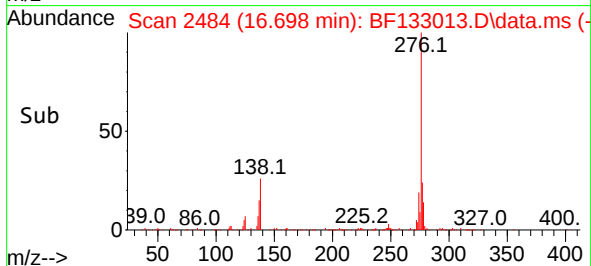
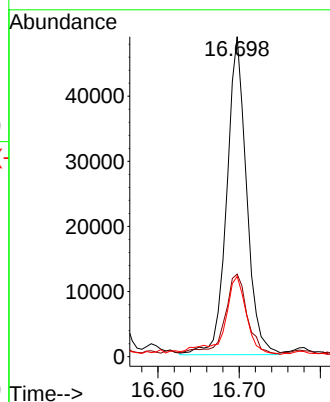
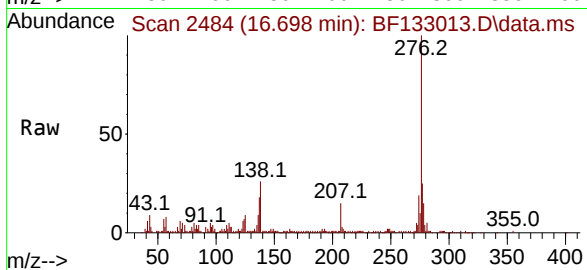
Tgt Ion:276 Resp: 82900

Ion Ratio Lower Upper

276 100

138 28.1 25.5 38.3

277 28.1 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 8.645 ng

RT: 14.915 min Scan# 2181

Delta R.T. -0.012 min

Lab File: BF133013.D

Acq: 25 Apr 2023 00:25

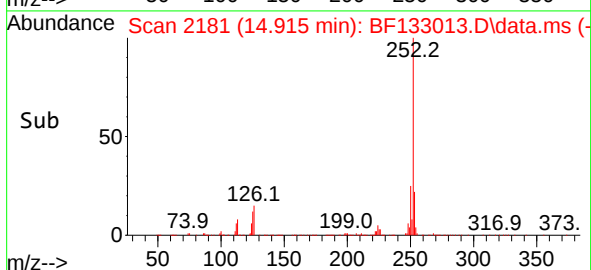
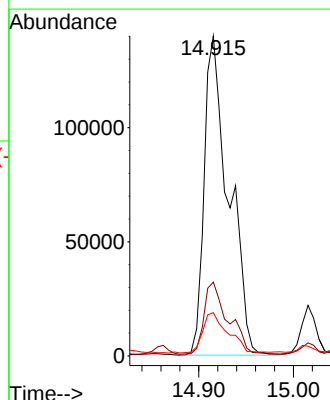
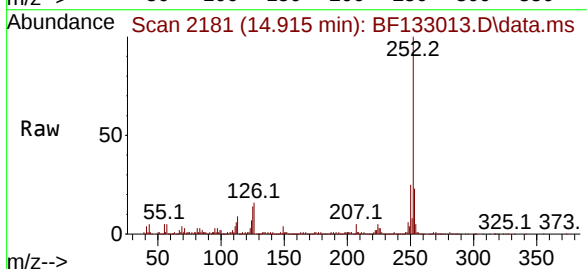
Tgt Ion:252 Resp: 251553

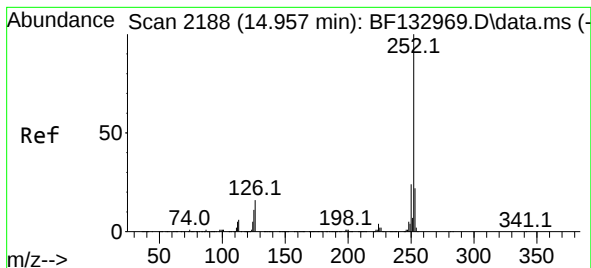
Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 13.6 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 8.721 ng

RT: 14.915 min Scan# 2181

Delta R.T. -0.041 min

Lab File: BF133013.D

Acq: 25 Apr 2023 00:25

Instrument :

BNA_F

ClientSampleId :

279

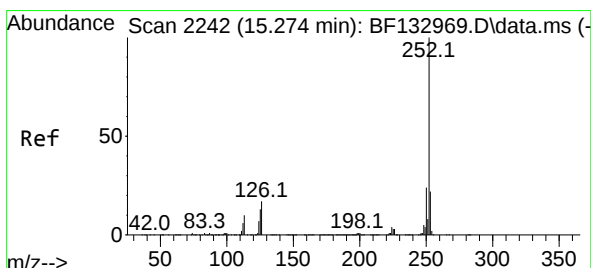
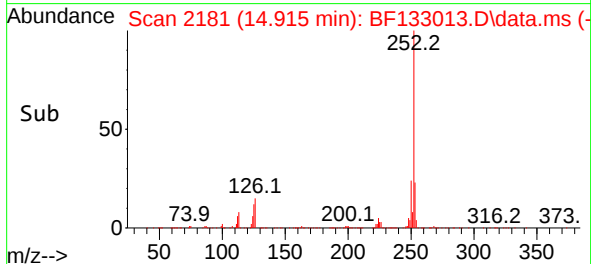
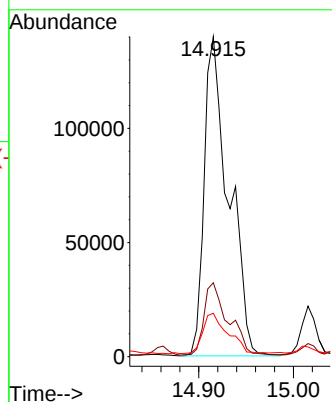
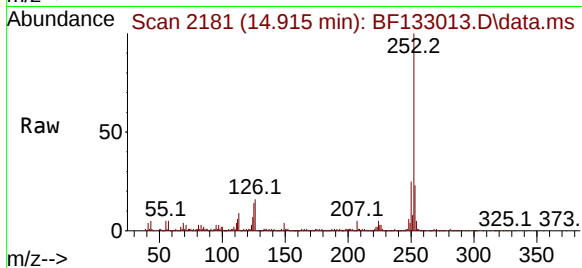
Tgt Ion:252 Resp: 251553

Ion Ratio Lower Upper

252 100

253 23.1 17.7 26.5

125 13.6 9.0 13.4#



#90

Benzo(a)pyrene

Concen: 4.195 ng

RT: 15.256 min Scan# 2239

Delta R.T. -0.018 min

Lab File: BF133013.D

Acq: 25 Apr 2023 00:25

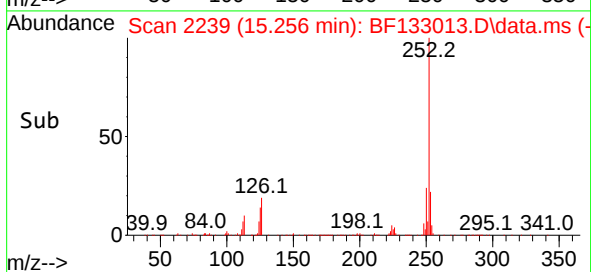
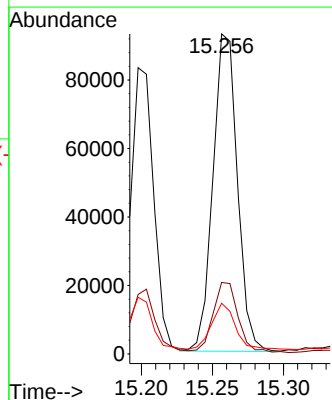
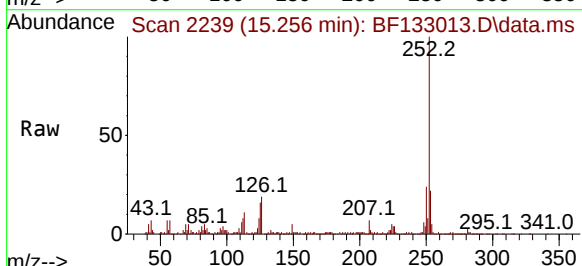
Tgt Ion:252 Resp: 111121

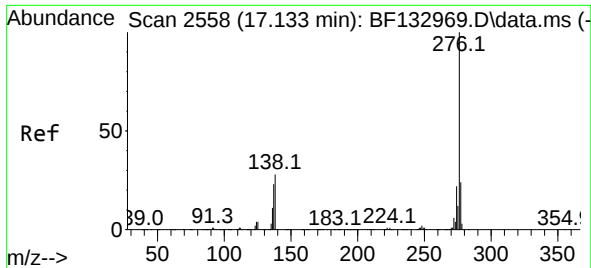
Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

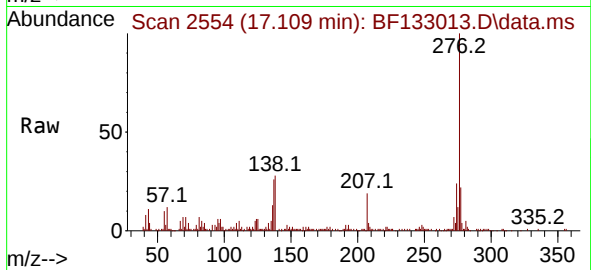
125 15.9 10.5 15.7#





#92
 Benzo(g,h,i)perylene
 Concen: 3.491 ng
 RT: 17.109 min Scan# 21
 Delta R.T. -0.024 min
 Lab File: BF133013.D
 Acq: 25 Apr 2023 00:25

Instrument :
 BNA_F
 ClientSampleId :
 279



Tgt Ion: 276 Resp: 74787
 Ion Ratio Lower Upper
 276 100
 277 22.2 19.4 29.0
 138 28.1 22.7 34.1

