

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042423\
 Data File : BF133017.D
 Acq On : 25 Apr 2023 02:27
 Operator : CG\JU
 Sample : 02470-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-COMP

Quant Time: Apr 25 05:22:19 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)

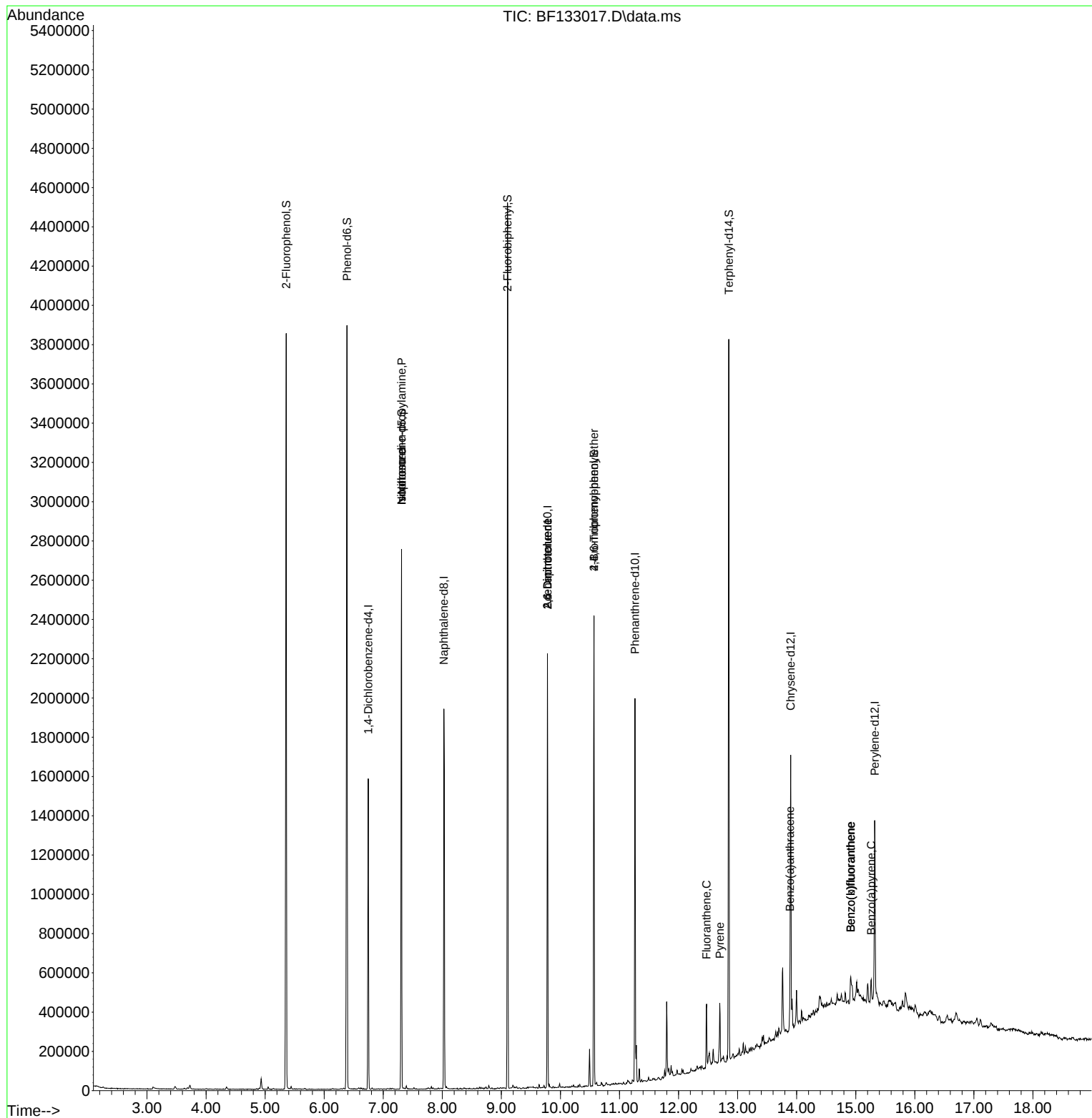
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	201604	20.000	ng	0.00
21) Naphthalene-d8	8.028	136	787627	20.000	ng	-0.01
39) Acenaphthene-d10	9.780	164	388387	20.000	ng	-0.01
64) Phenanthrene-d10	11.263	188	649494	20.000	ng	0.00
76) Chrysene-d12	13.898	240	413999	20.000	ng	-0.01
86) Perylene-d12	15.321	264	385811	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1046714	78.430	ng	0.00
7) Phenol-d6	6.386	99	1289060	77.818	ng	0.00
23) Nitrobenzene-d5	7.310	82	766016	52.496	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	261696	66.999	ng	-0.01
45) 2-Fluorobiphenyl	9.104	172	1357469	58.474	ng	-0.01
79) Terphenyl-d14	12.851	244	1163398	48.466	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.286	77	733	Below Cal	#	71
19) n-Nitroso-di-n-propyla...	7.310	70	101562	9.848	ng	# 74
25) Isophorone	7.310	82	764773	27.604	ng	# 63
51) 2,6-Dinitrotoluene	9.780	165	49684	8.151	ng	# 25
57) 2,4-Dinitrotoluene	9.780	165	49684	6.392	ng	# 23
67) 4-Bromophenyl-phenylether	10.569	248	16497	2.342	ng	# 1
75) Fluoranthene	12.474	202	124570	3.556	ng	95
78) Pyrene	12.698	202	114023	3.213	ng	99
81) Benzo(a)anthracene	13.886	228	61831	2.172	ng	96
88) Benzo(b)fluoranthene	14.915	252	98464	4.012	ng	# 88
89) Benzo(k)fluoranthene	14.915	252	98464	4.047	ng	# 88
90) Benzo(a)pyrene	15.262	252	51416	2.301	ng	# 91

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

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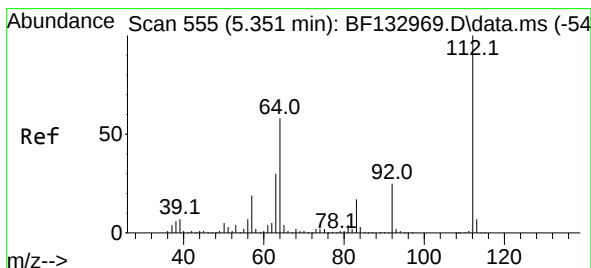
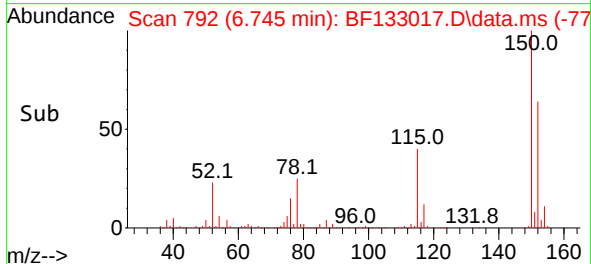
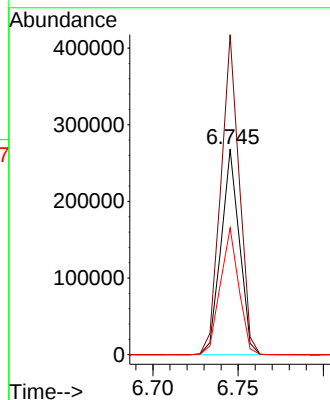
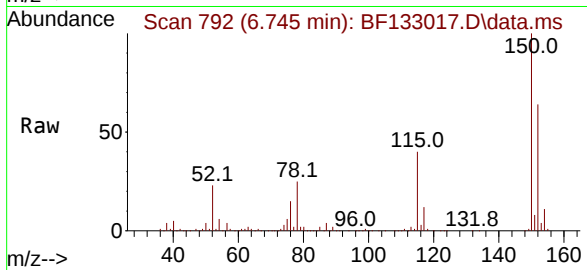




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133017.D
Acq: 25 Apr 2023 02:27

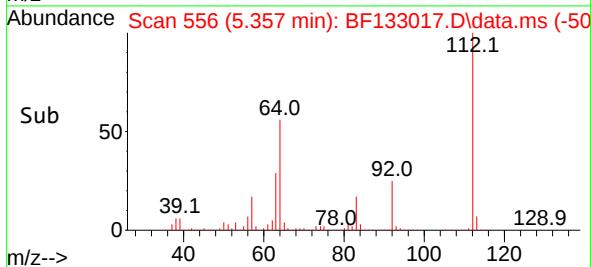
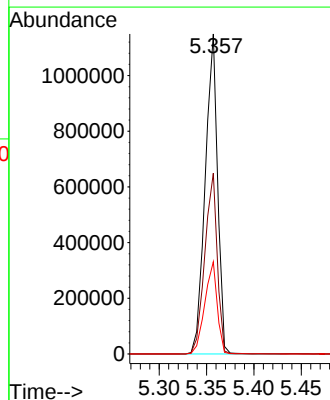
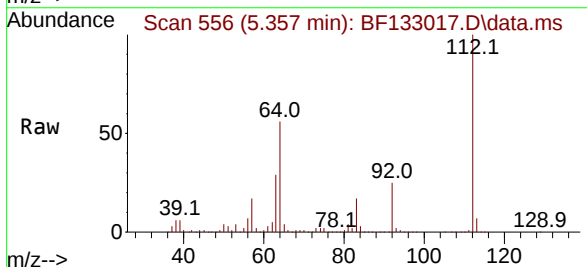
Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

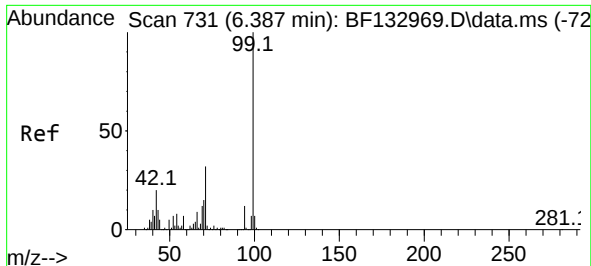
Tgt Ion:152 Resp: 201604
Ion Ratio Lower Upper
152 100
150 155.8 124.8 187.2
115 61.7 49.9 74.9



#5
2-Fluorophenol
Concen: 78.430 ng
RT: 5.357 min Scan# 556
Delta R.T. 0.006 min
Lab File: BF133017.D
Acq: 25 Apr 2023 02:27

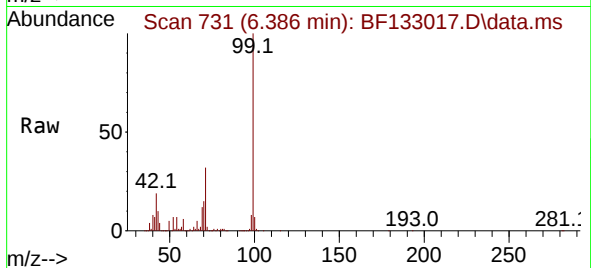
Tgt Ion:112 Resp: 1046714
Ion Ratio Lower Upper
112 100
64 56.5 46.8 70.2
63 28.8 23.8 35.8





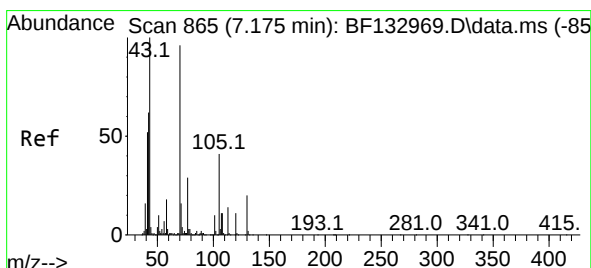
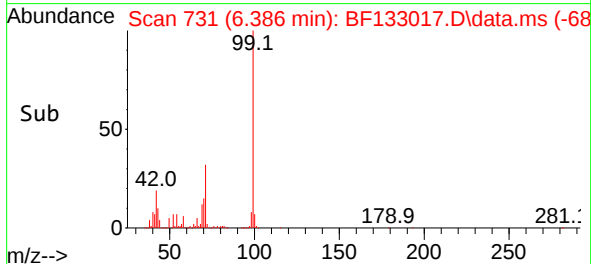
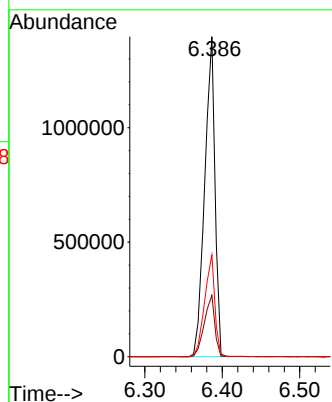
#7
Phenol-d6
Concen: 77.818 ng
RT: 6.386 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF133017.D
Acq: 25 Apr 2023 02:27

Instrument :
BNA_F
ClientSampleId :
SB-04-COMP



Tgt Ion: 99 Resp: 1289060

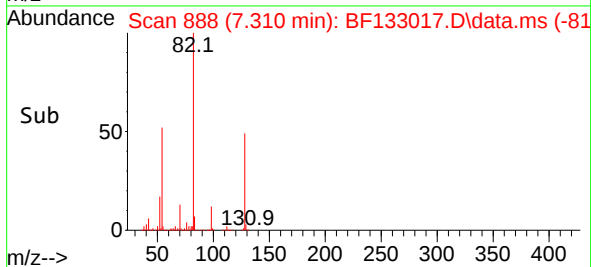
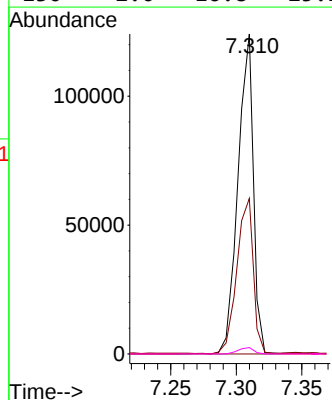
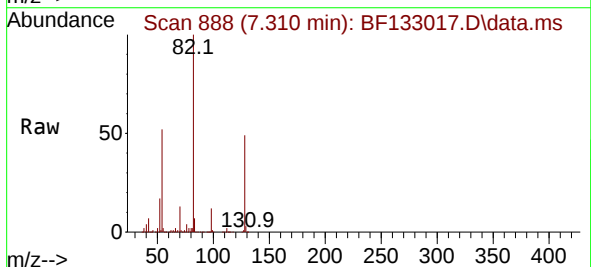
Ion	Ratio	Lower	Upper
99	100		
42	19.2	16.3	24.5
71	31.8	25.6	38.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.848 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.135 min
Lab File: BF133017.D
Acq: 25 Apr 2023 02:27

Tgt Ion: 70 Resp: 101562

Ion	Ratio	Lower	Upper
70	100		
42	48.6	51.8	77.6#
101	0.0	8.0	12.0#
130	2.0	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: BF133017.D
Acq: 25 Apr 2023 02:27

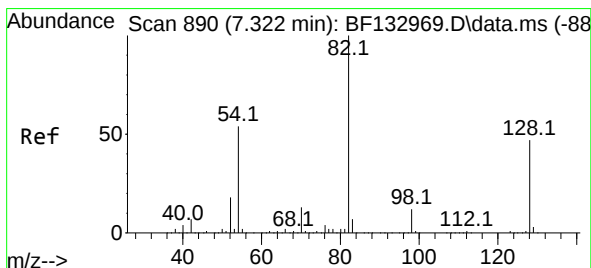
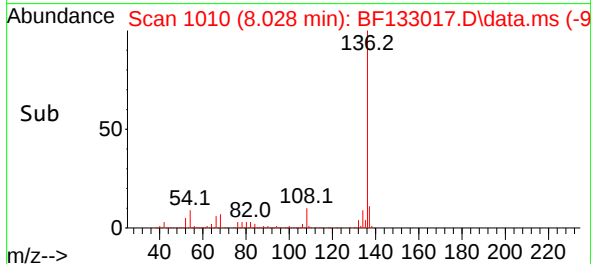
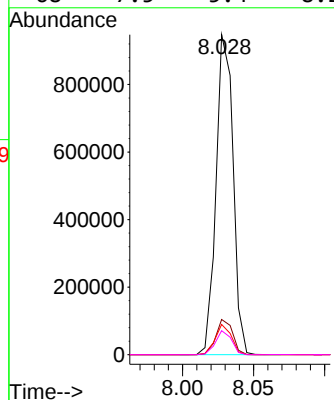
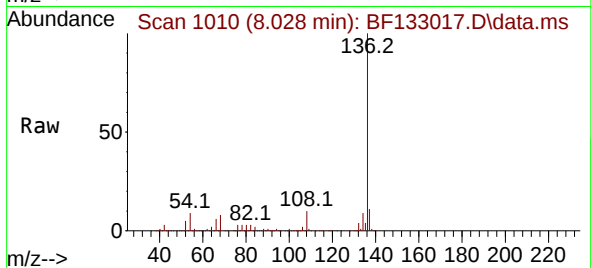
Instrument :

BNA_F

ClientSampleId :

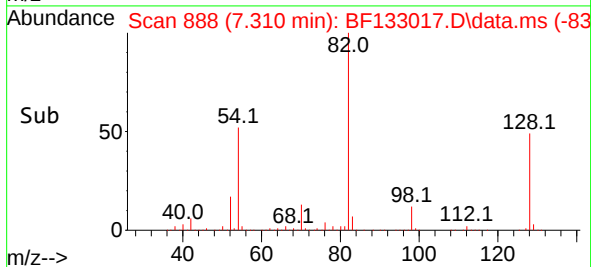
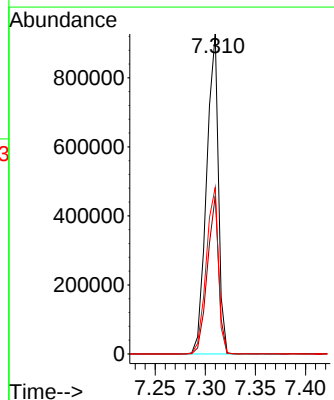
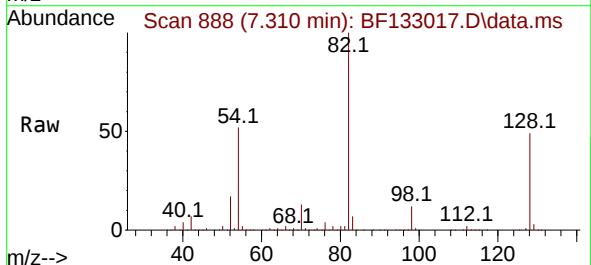
SB-04-COMP

Tgt Ion:136 Resp: 787627
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.5 7.0 10.4
68 7.5 5.4 8.2



#23
Nitrobenzene-d5
Concen: 52.496 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.012 min
Lab File: BF133017.D
Acq: 25 Apr 2023 02:27

Tgt Ion: 82 Resp: 766016
Ion Ratio Lower Upper
82 100
128 49.4 37.7 56.5
54 52.1 43.0 64.4

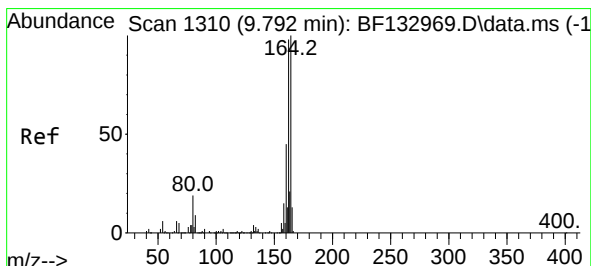
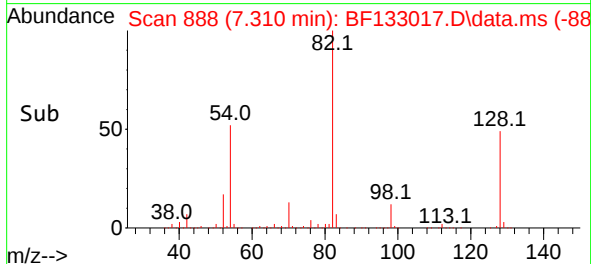
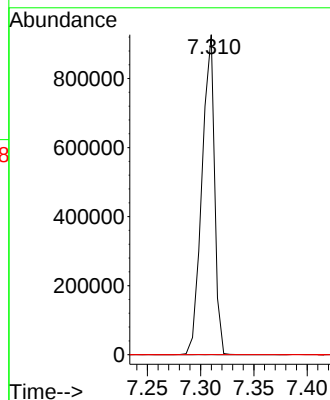
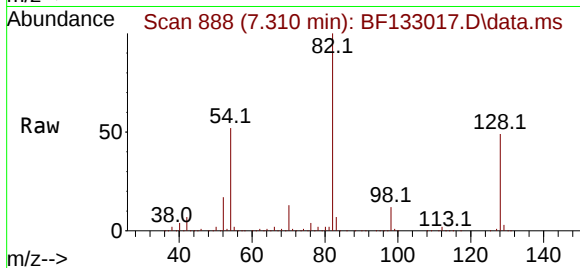




#25
Isophorone
Concen: 27.604 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.271 min
Lab File: BF133017.D
Acq: 25 Apr 2023 02:27

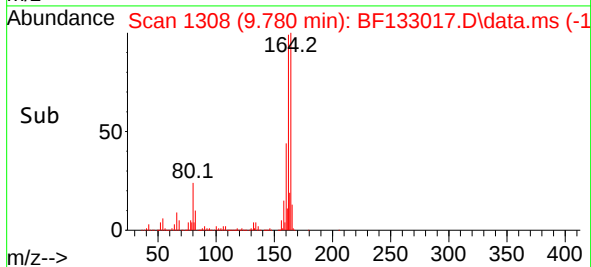
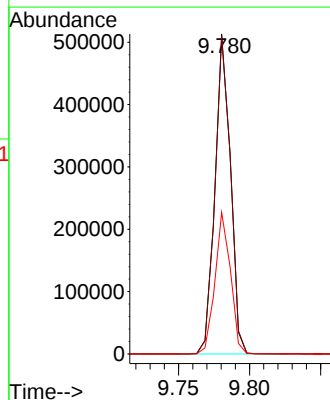
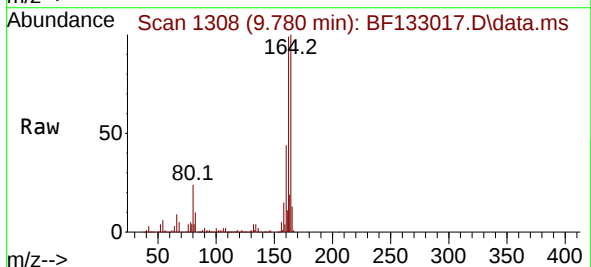
Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

Tgt Ion: 82 Resp: 764773
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: BF133017.D
Acq: 25 Apr 2023 02:27

Tgt Ion:164 Resp: 388387
Ion Ratio Lower Upper
164 100
162 99.2 78.7 118.1
160 44.3 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 66.999 ng

RT: 10.569 min Scan# 1444

Delta R.T. -0.012 min

Lab File: BF133017.D

Acq: 25 Apr 2023 02:27

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

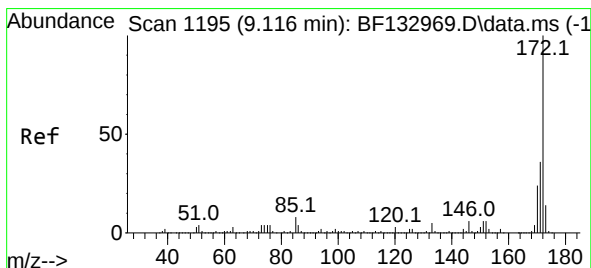
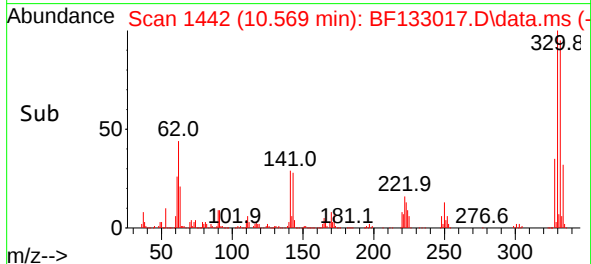
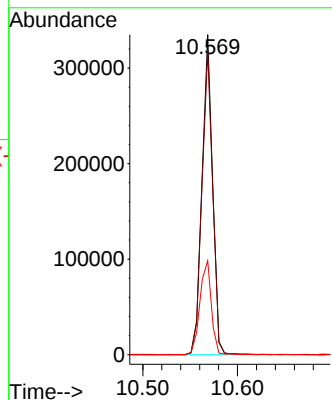
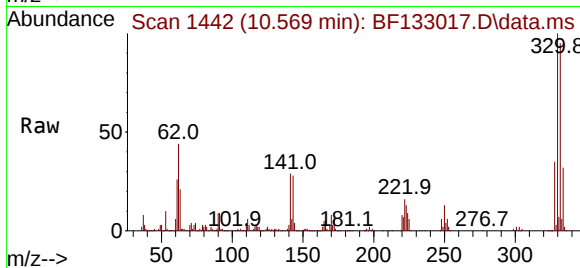
Tgt Ion:330 Resp: 261696

Ion Ratio Lower Upper

330 100

332 96.2 77.1 115.7

141 31.7 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 58.474 ng

RT: 9.104 min Scan# 1193

Delta R.T. -0.012 min

Lab File: BF133017.D

Acq: 25 Apr 2023 02:27

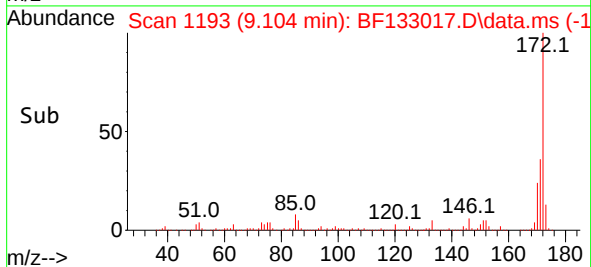
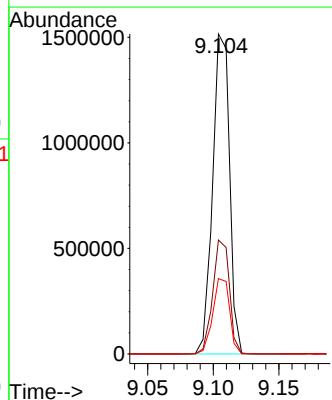
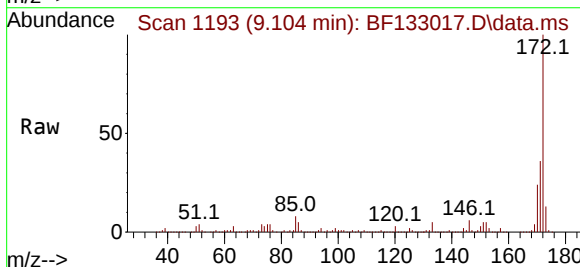
Tgt Ion:172 Resp: 1357469

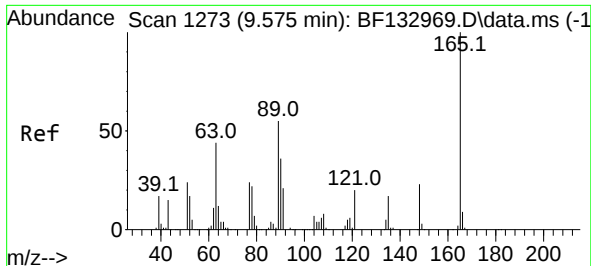
Ion Ratio Lower Upper

172 100

171 35.6 28.8 43.2

170 23.5 19.4 29.2

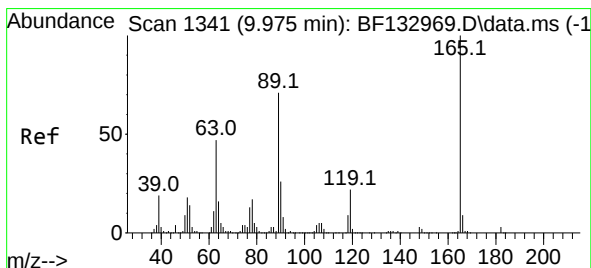
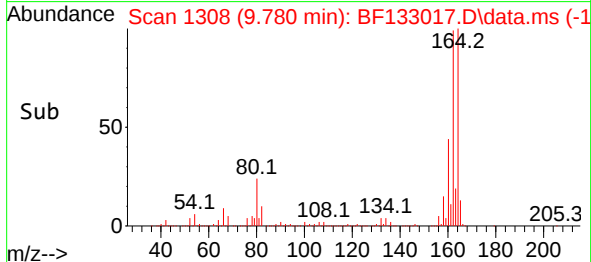
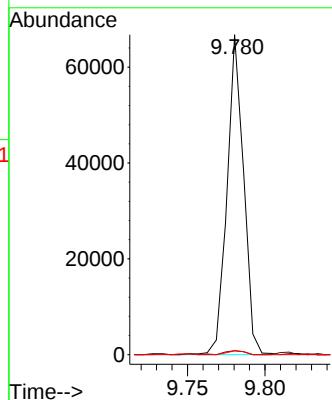
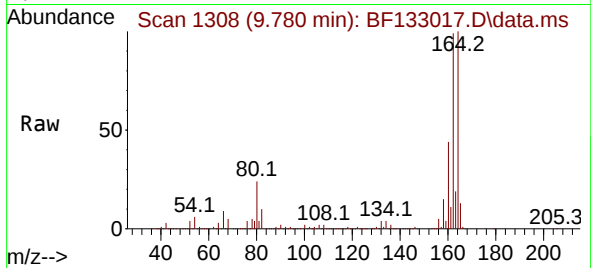




#51
2,6-Dinitrotoluene
Concen: 8.151 ng
RT: 9.780 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF133017.D
Acq: 25 Apr 2023 02:27

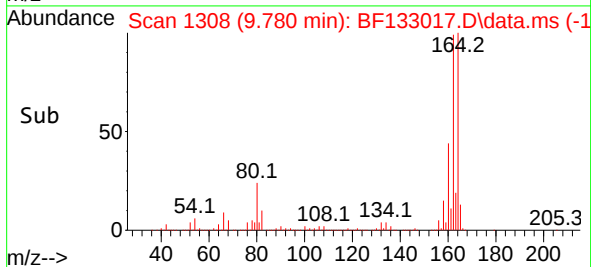
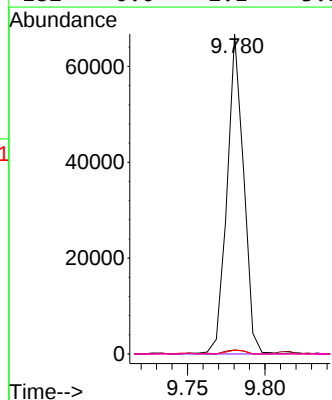
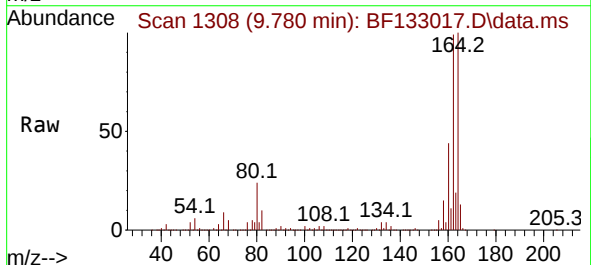
Instrument :
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SB-04-COMP

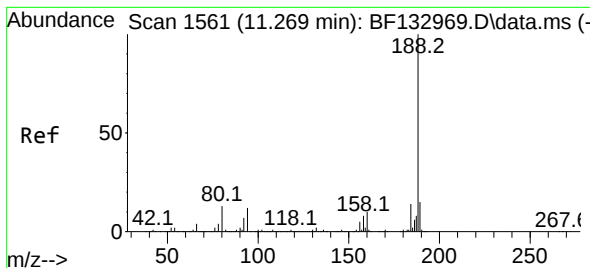
Tgt Ion:165 Resp: 49684
Ion Ratio Lower Upper
165 100
63 1.2 45.9 68.9#
89 1.2 44.0 66.0#



#57
2,4-Dinitrotoluene
Concen: 6.392 ng
RT: 9.780 min Scan# 1308
Delta R.T. -0.194 min
Lab File: BF133017.D
Acq: 25 Apr 2023 02:27

Tgt Ion:165 Resp: 49684
Ion Ratio Lower Upper
165 100
63 1.2 37.7 56.5#
89 1.2 57.0 85.4#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.263 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133017.D

Acq: 25 Apr 2023 02:27

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

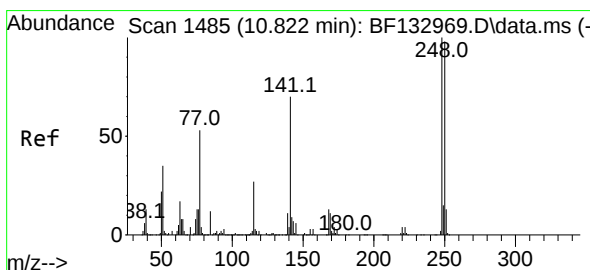
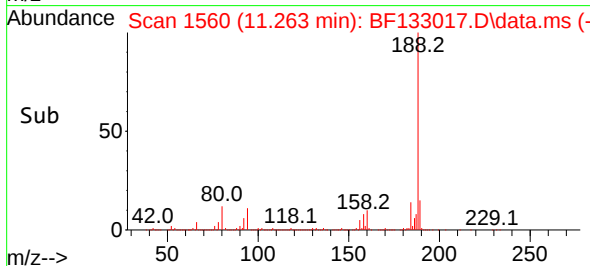
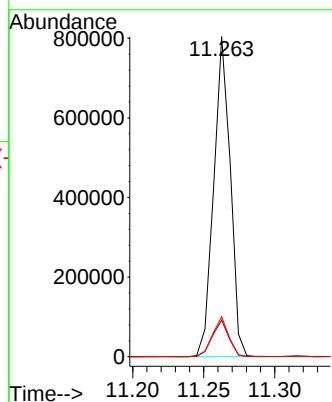
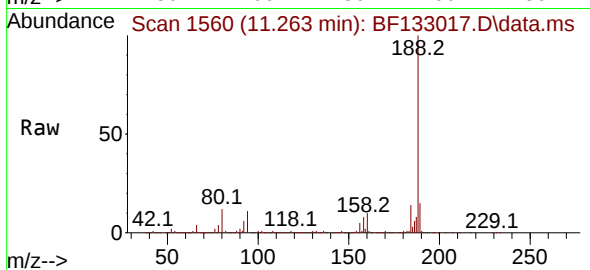
Tgt Ion:188 Resp: 649494

Ion Ratio Lower Upper

188 100

94 11.5 9.7 14.5

80 12.5 10.4 15.6



#67

4-Bromophenyl-phenylether

Concen: 2.342 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.253 min

Lab File: BF133017.D

Acq: 25 Apr 2023 02:27

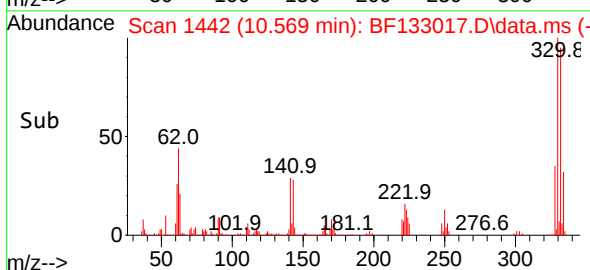
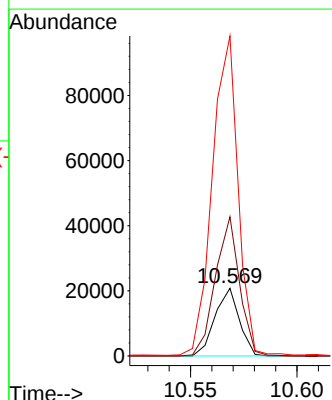
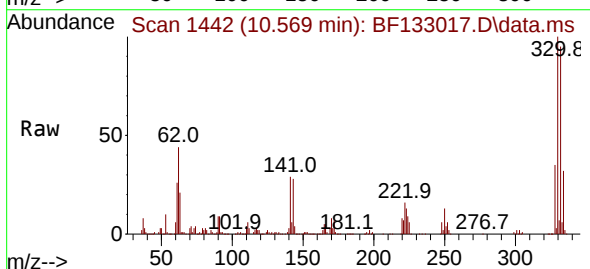
Tgt Ion:248 Resp: 16497

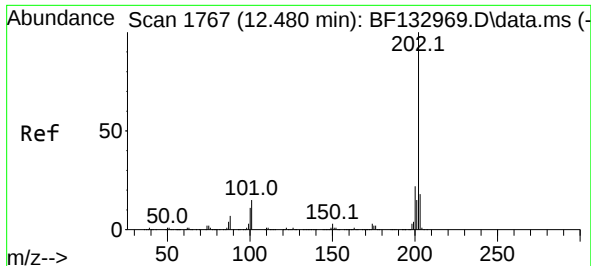
Ion Ratio Lower Upper

248 100

250 205.5 78.7 118.1#

141 472.6 56.3 84.5#

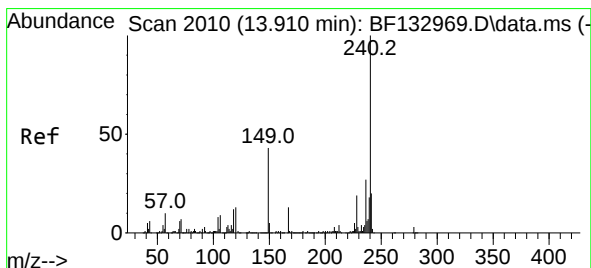
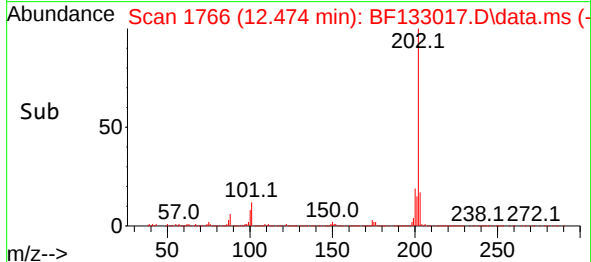
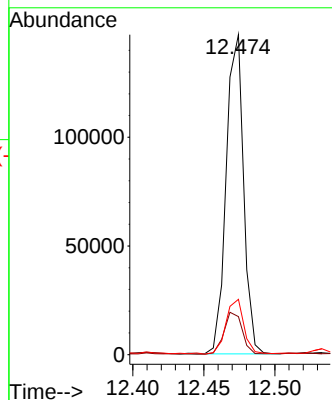
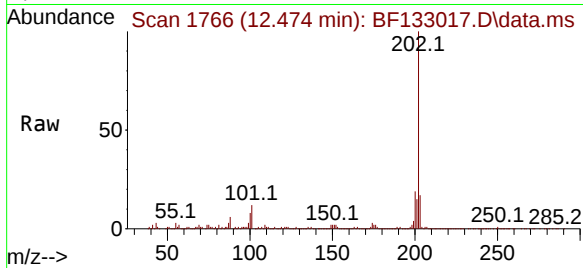




#75
Fluoranthene
Concen: 3.556 ng
RT: 12.474 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133017.D
Acq: 25 Apr 2023 02:27

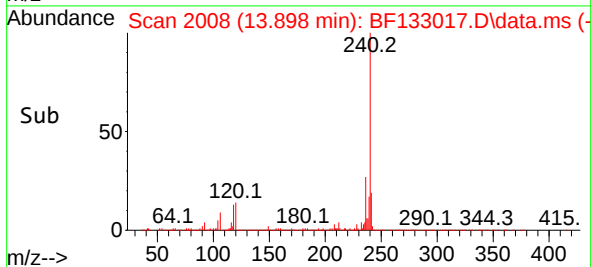
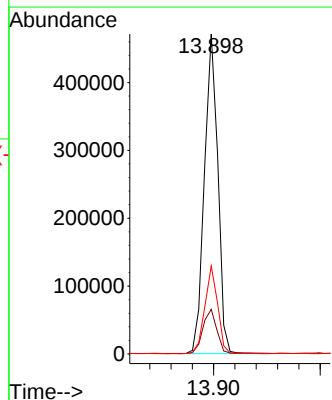
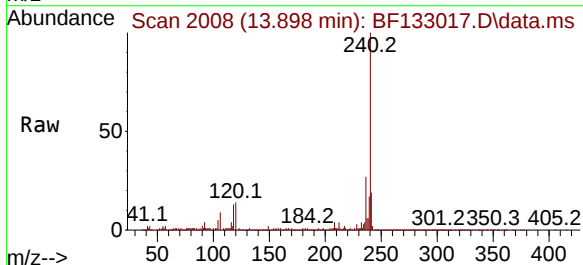
Instrument :
BNA_F
ClientSampleId :
SB-04-COMP

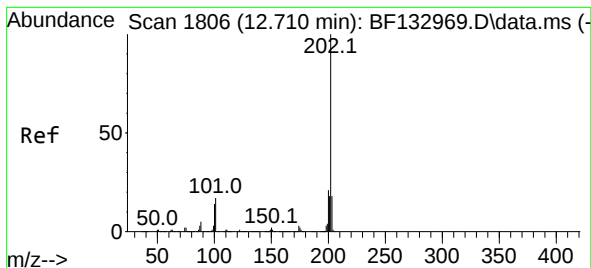
Tgt Ion:202 Resp: 124570
Ion Ratio Lower Upper
202 100
101 11.9 0.0 35.3
203 17.3 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF133017.D
Acq: 25 Apr 2023 02:27

Tgt Ion:240 Resp: 413999
Ion Ratio Lower Upper
240 100
120 14.0 10.5 15.7
236 27.5 21.5 32.3





#78

Pyrene

Concen: 3.213 ng

RT: 12.698 min Scan# 1804

Delta R.T. -0.012 min

Lab File: BF133017.D

Acq: 25 Apr 2023 02:27

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

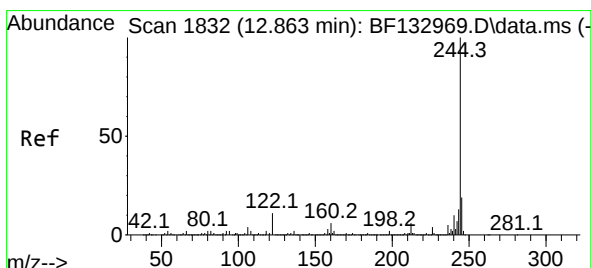
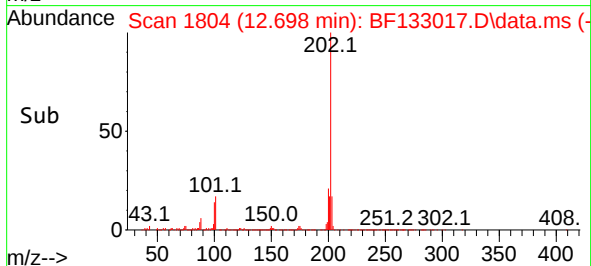
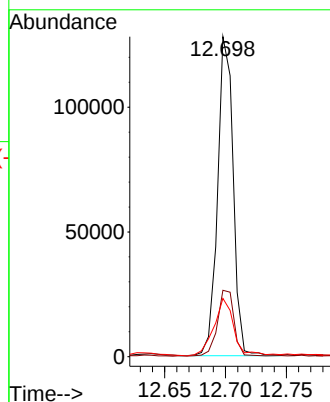
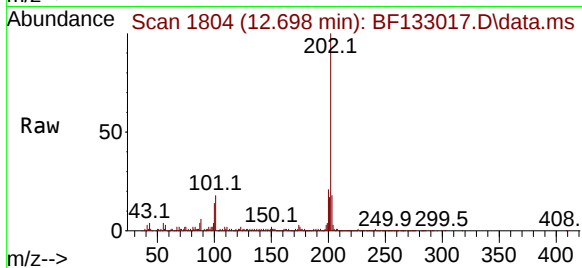
Tgt Ion:202 Resp: 114023

Ion Ratio Lower Upper

202 100

200 20.8 17.1 25.7

203 18.2 14.1 21.1



#79

Terphenyl-d14

Concen: 48.466 ng

RT: 12.851 min Scan# 1830

Delta R.T. -0.012 min

Lab File: BF133017.D

Acq: 25 Apr 2023 02:27

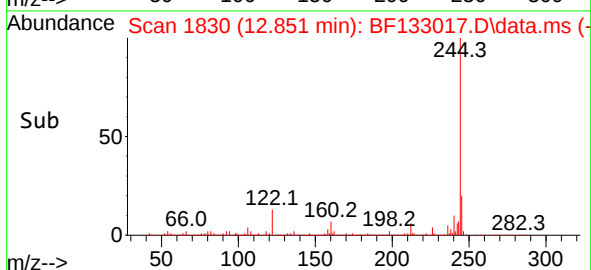
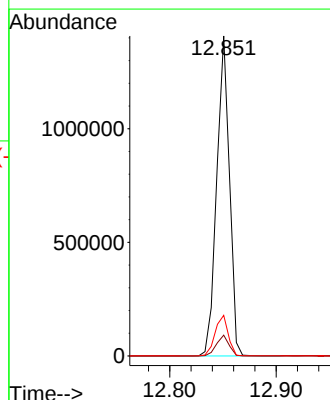
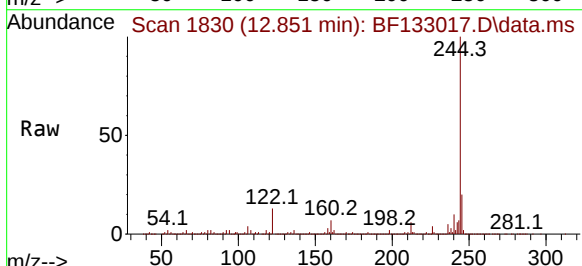
Tgt Ion:244 Resp: 1163398

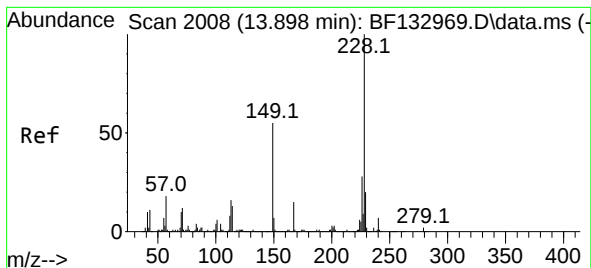
Ion Ratio Lower Upper

244 100

212 6.5 5.1 7.7

122 12.7 8.6 13.0





#81

Benzo(a)anthracene

Concen: 2.172 ng

RT: 13.886 min Scan# 2008

Delta R.T. -0.012 min

Lab File: BF133017.D

Acq: 25 Apr 2023 02:27

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

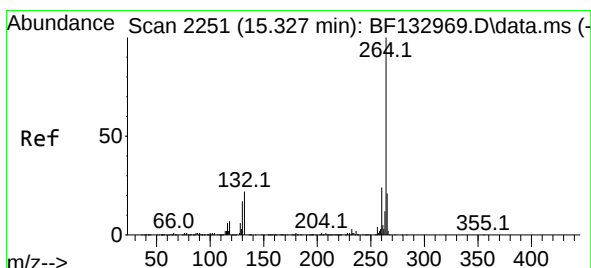
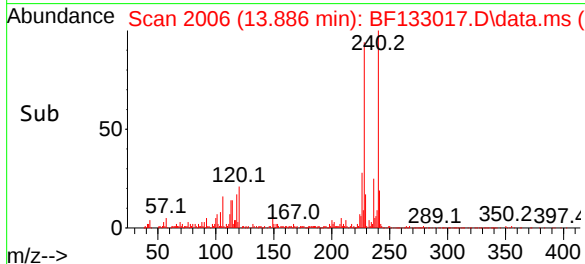
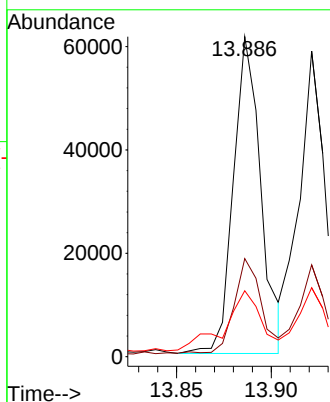
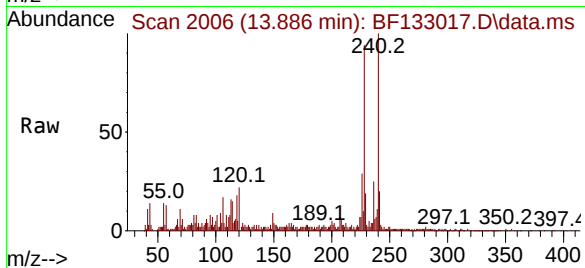
Tgt Ion:228 Resp: 61831

Ion Ratio Lower Upper

228 100

226 30.6 22.2 33.4

229 20.6 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.321 min Scan# 2250

Delta R.T. -0.006 min

Lab File: BF133017.D

Acq: 25 Apr 2023 02:27

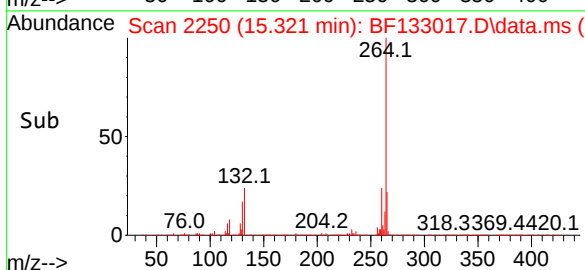
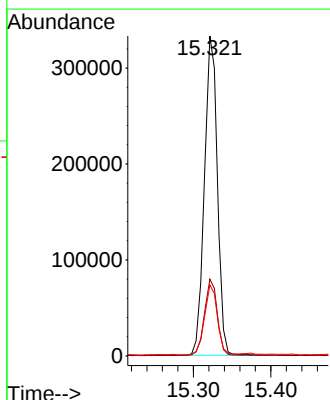
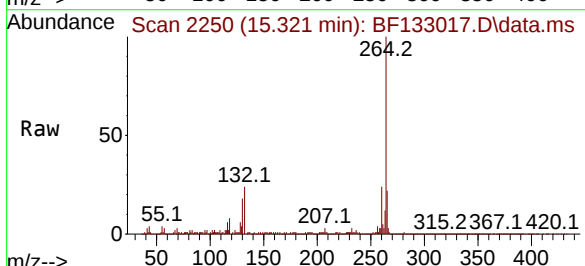
Tgt Ion:264 Resp: 385811

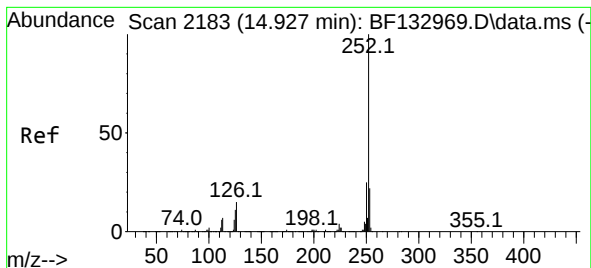
Ion Ratio Lower Upper

264 100

260 24.0 18.8 28.2

265 22.2 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 4.012 ng

RT: 14.915 min Scan# 2181

Delta R.T. -0.012 min

Lab File: BF133017.D

Acq: 25 Apr 2023 02:27

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP

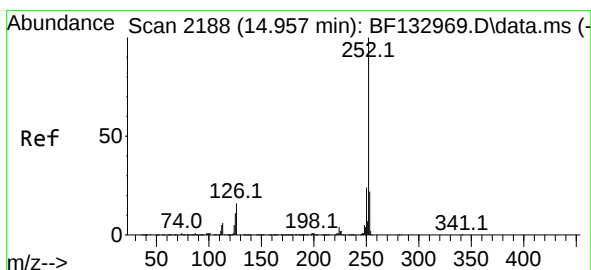
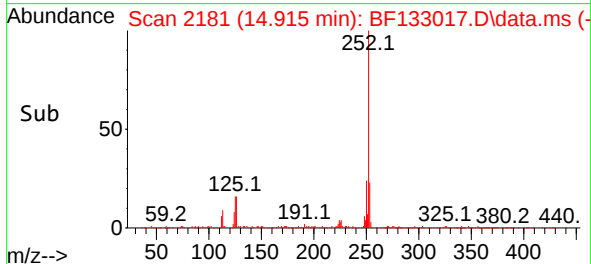
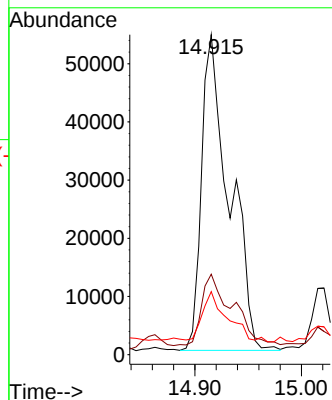
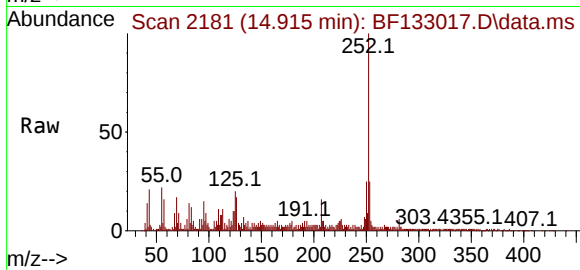
Tgt Ion:252 Resp: 98464

Ion Ratio Lower Upper

252 100

253 25.1 17.6 26.4

125 19.7 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 4.047 ng

RT: 14.915 min Scan# 2181

Delta R.T. -0.041 min

Lab File: BF133017.D

Acq: 25 Apr 2023 02:27

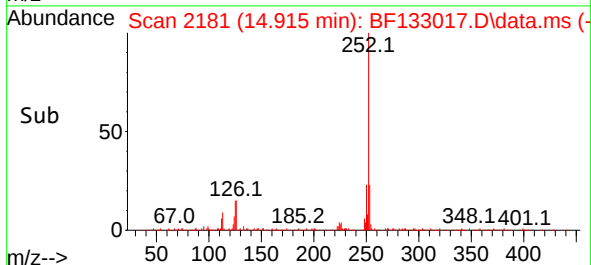
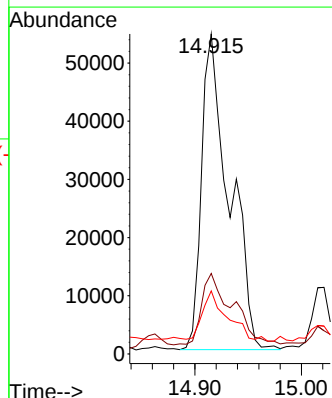
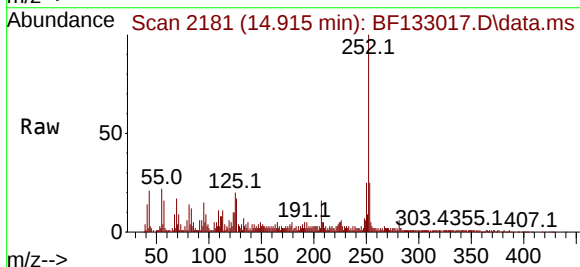
Tgt Ion:252 Resp: 98464

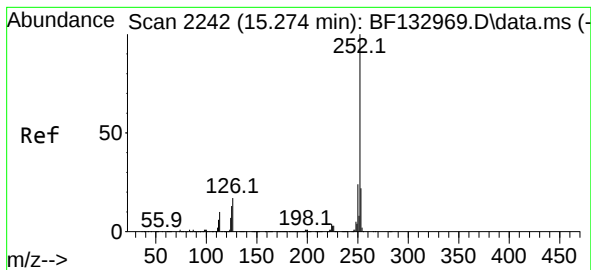
Ion Ratio Lower Upper

252 100

253 25.1 17.7 26.5

125 19.7 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 2.301 ng

RT: 15.262 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133017.D

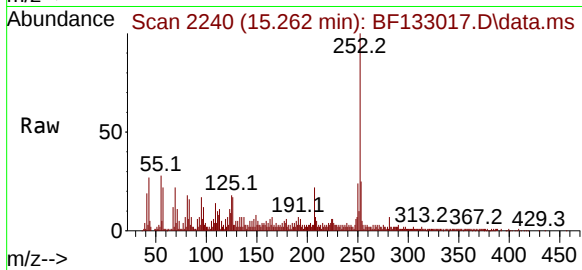
Acq: 25 Apr 2023 02:27

Instrument :

BNA_F

ClientSampleId :

SB-04-COMP



Tgt Ion:252 Resp: 51416

Ion Ratio Lower Upper

252 100

253 25.4 17.7 26.5

125 18.2 10.5 15.7#

