

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042423\
 Data File : BF133019.D
 Acq On : 25 Apr 2023 03:28
 Operator : CG\JU
 Sample : 02470-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-COMP

Quant Time: Apr 25 05:22:57 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)

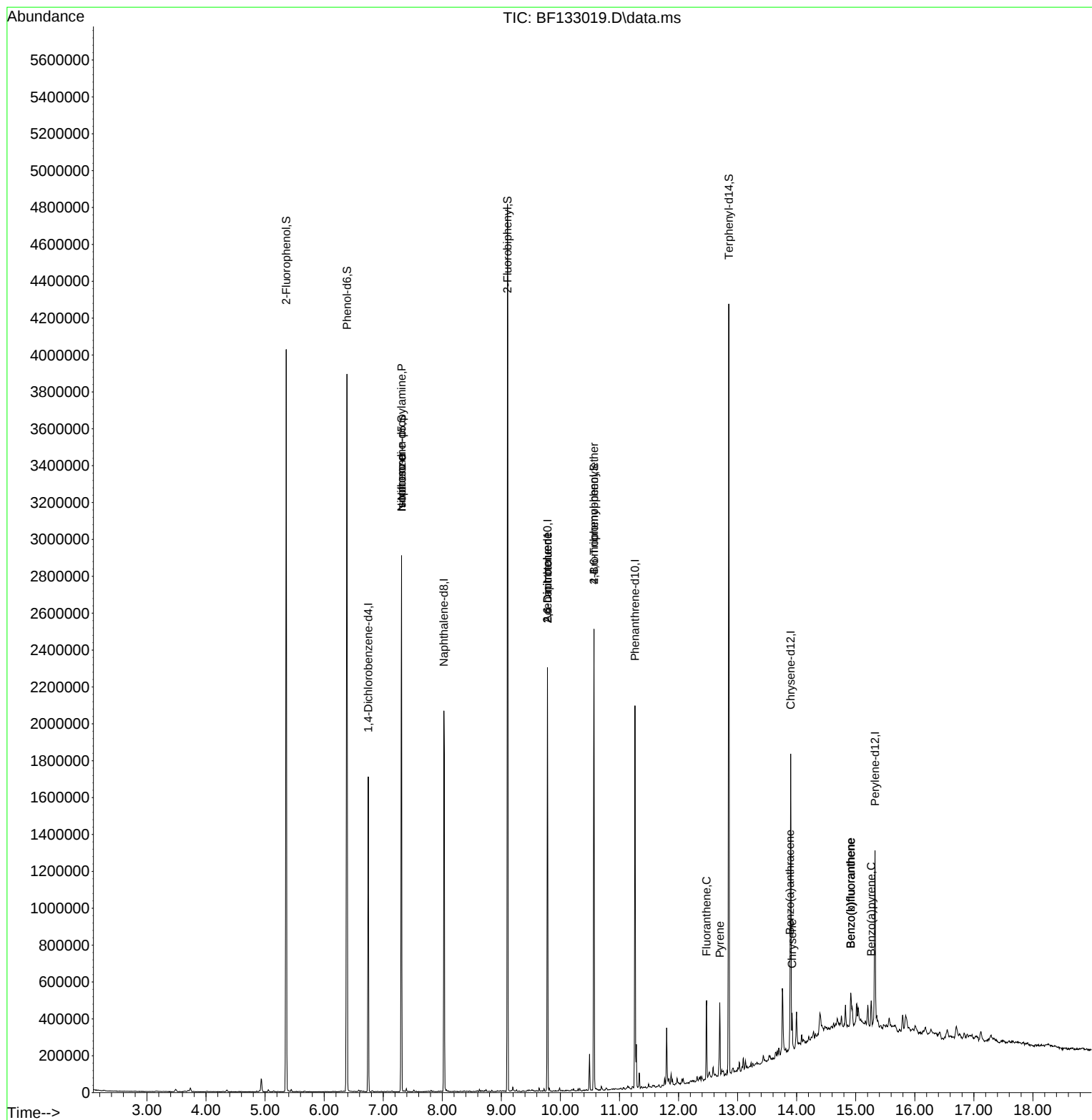
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	214209	20.000	ng	0.00
21) Naphthalene-d8	8.028	136	846140	20.000	ng	-0.01
39) Acenaphthene-d10	9.781	164	410490	20.000	ng	-0.01
64) Phenanthrene-d10	11.263	188	675192	20.000	ng	0.00
76) Chrysene-d12	13.898	240	453604	20.000	ng	-0.01
86) Perylene-d12	15.327	264	389985	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1086983	76.654	ng	0.00
7) Phenol-d6	6.387	99	1314277	74.672	ng	0.00
23) Nitrobenzene-d5	7.310	82	795568	50.751	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	274163	66.411	ng	-0.01
45) 2-Fluorobiphenyl	9.104	172	1441041	58.731	ng	-0.01
79) Terphenyl-d14	12.851	244	1375116	52.284	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.293	77	741	Below Cal	#	79
19) n-Nitroso-di-n-propyla...	7.310	70	104485	9.536	ng	# 79
25) Isophorone	7.310	82	794340	26.689	ng	# 63
51) 2,6-Dinitrotoluene	9.781	165	53396	8.288	ng	# 25
57) 2,4-Dinitrotoluene	9.781	165	53396	6.499	ng	# 23
67) 4-Bromophenyl-phenylether	10.569	248	16711	2.282	ng	# 1
75) Fluoranthene	12.475	202	166762	4.579	ng	95
78) Pyrene	12.698	202	147446	3.792	ng	98
81) Benzo(a)anthracene	13.886	228	78934	2.531	ng	96
83) Chrysene	13.921	228	70478	2.260	ng	96
88) Benzo(b)fluoranthene	14.916	252	123235	4.967	ng	# 94
89) Benzo(k)fluoranthene	14.916	252	123235	5.011	ng	# 95
90) Benzo(a)pyrene	15.263	252	59817	2.649	ng	# 96

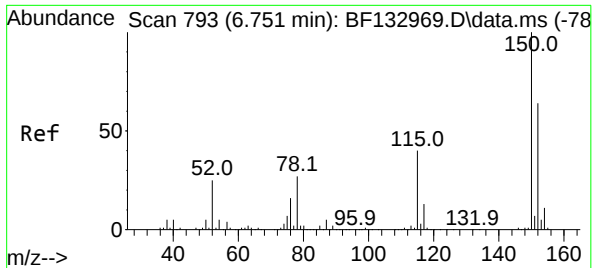
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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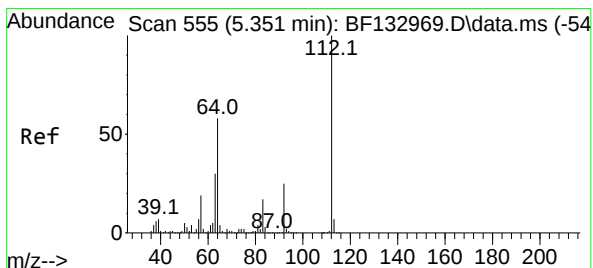
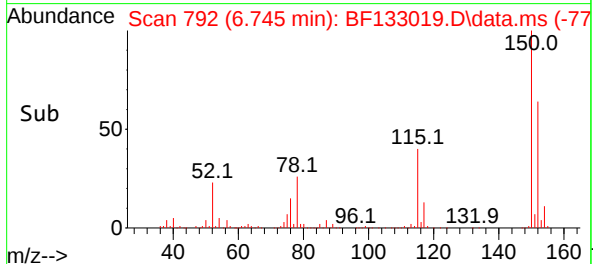
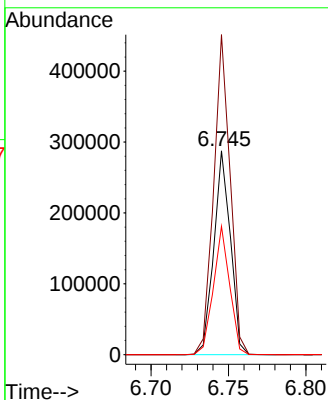
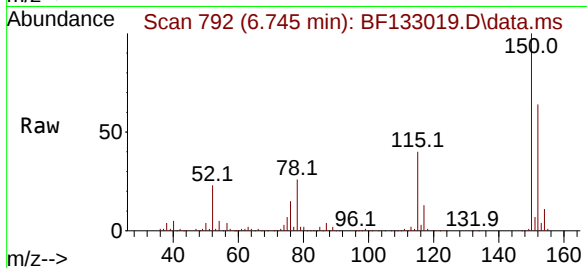




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF133019.D
Acq: 25 Apr 2023 03:28

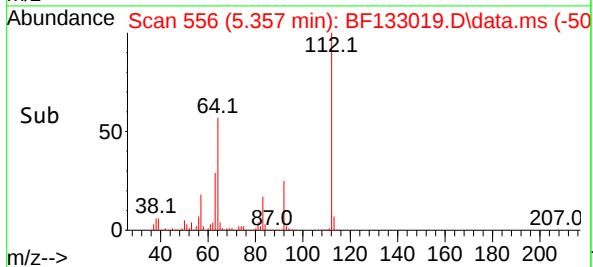
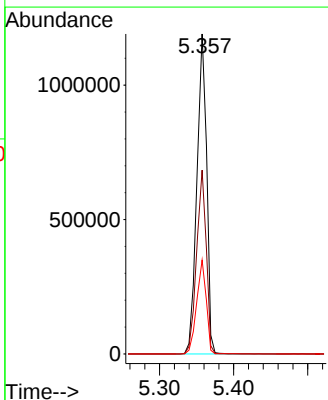
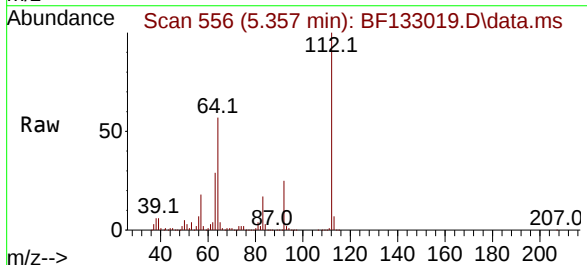
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tgt Ion:152 Resp: 214209
Ion Ratio Lower Upper
152 100
150 157.0 124.8 187.2
115 62.9 49.9 74.9



#5
2-Fluorophenol
Concen: 76.654 ng
RT: 5.357 min Scan# 556
Delta R.T. 0.006 min
Lab File: BF133019.D
Acq: 25 Apr 2023 03:28

Tgt Ion:112 Resp: 1086983
Ion Ratio Lower Upper
112 100
64 57.4 46.8 70.2
63 29.3 23.8 35.8

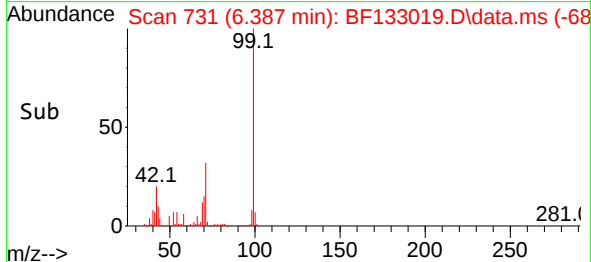
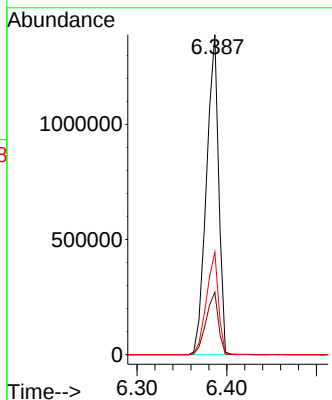
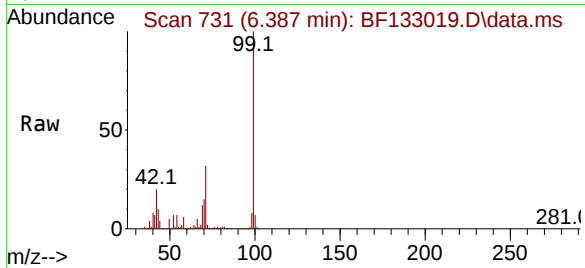




#7
Phenol-d6
Concen: 74.672 ng
RT: 6.387 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF133019.D
Acq: 25 Apr 2023 03:28

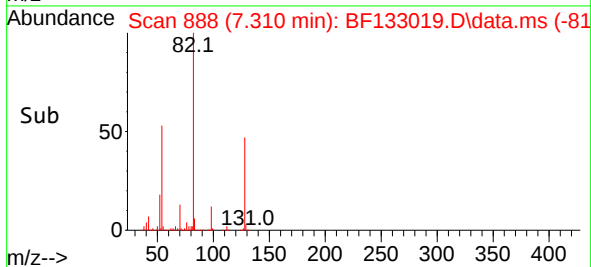
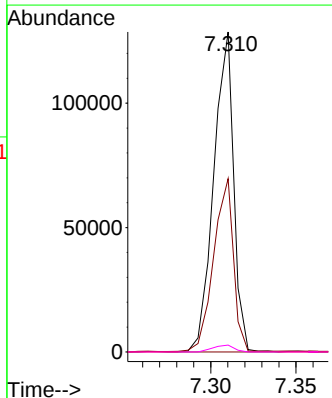
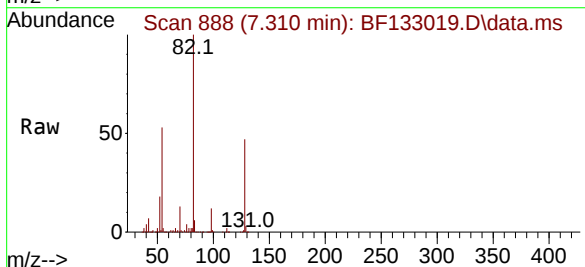
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tgt Ion: 99 Resp: 1314277
Ion Ratio Lower Upper
99 100
42 19.6 16.3 24.5
71 32.0 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 9.536 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.135 min
Lab File: BF133019.D
Acq: 25 Apr 2023 03:28

Tgt Ion: 70 Resp: 104485
Ion Ratio Lower Upper
70 100
42 54.2 51.8 77.6
101 0.0 8.0 12.0#
130 2.2 16.8 25.2#

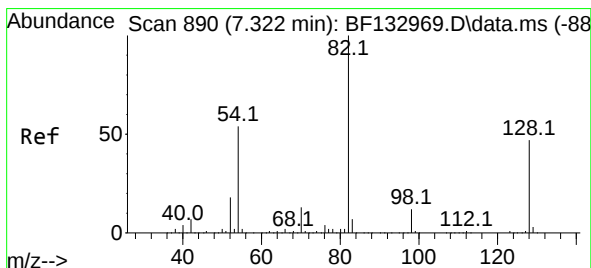
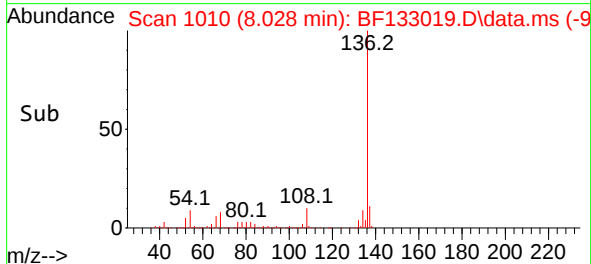
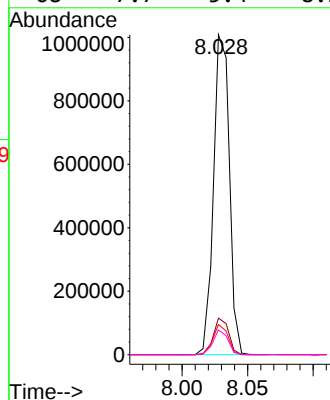
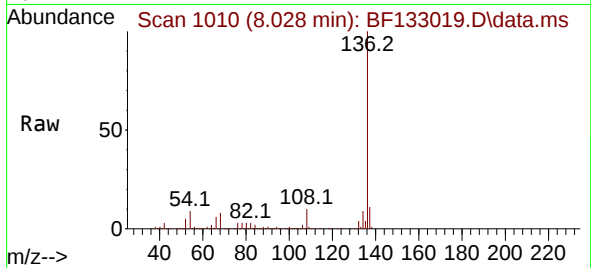




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.028 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF133019.D
Acq: 25 Apr 2023 03:28

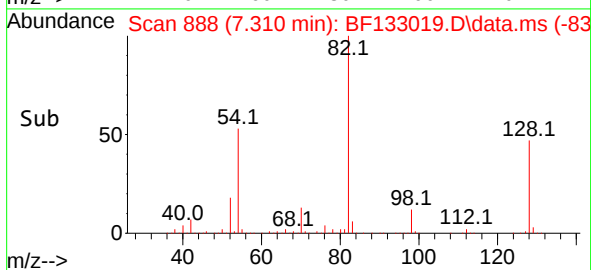
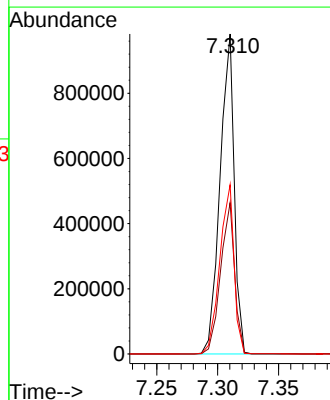
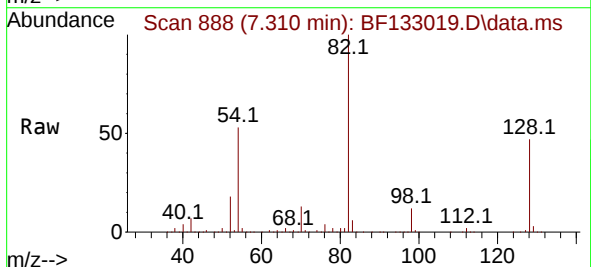
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tgt Ion	136	Resp:	846140
	Ratio	Lower	Upper
136	100		
137	11.4	8.6	13.0
54	9.4	7.0	10.4
68	7.7	5.4	8.2



#23
Nitrobenzene-d5
Concen: 50.751 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.012 min
Lab File: BF133019.D
Acq: 25 Apr 2023 03:28

Tgt Ion: 82	Resp: 795568
Ion Ratio	Lower Upper
82 100	
128 47.3	37.7 56.5
54 52.9	43.0 64.4

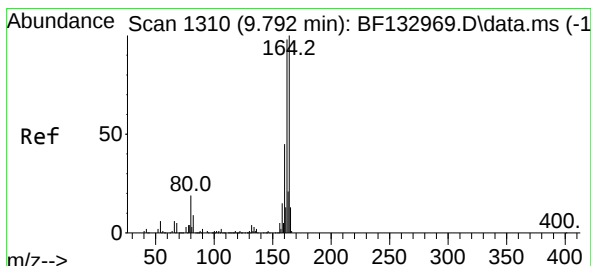
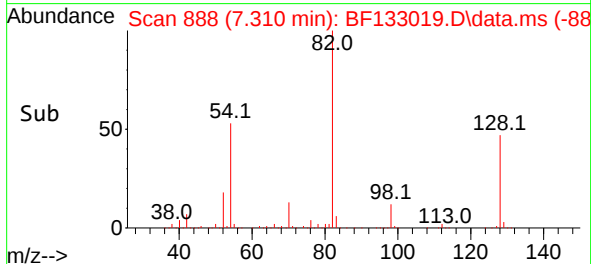
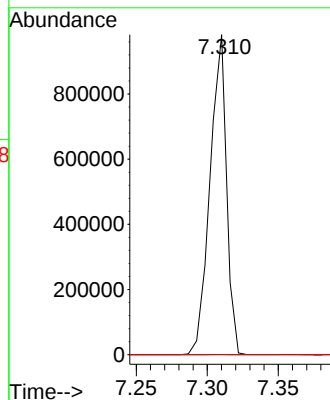
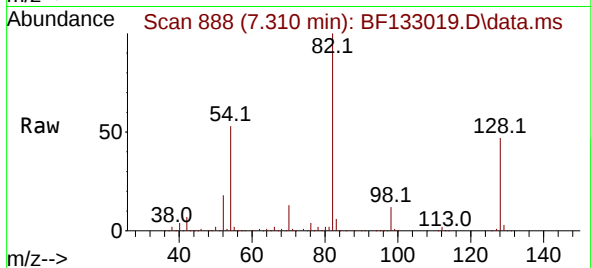




#25
Isophorone
Concen: 26.689 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF133019.D
Acq: 25 Apr 2023 03:28

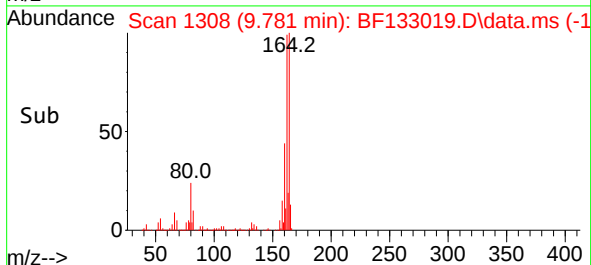
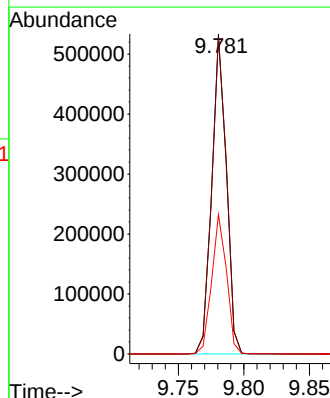
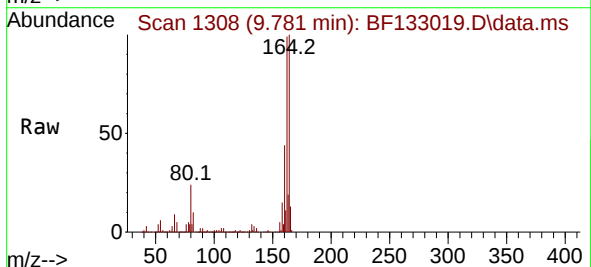
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

Tgt Ion: 82 Resp: 794340
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: 9.781 min Scan# 1308
Delta R.T. -0.012 min
Lab File: BF133019.D
Acq: 25 Apr 2023 03:28

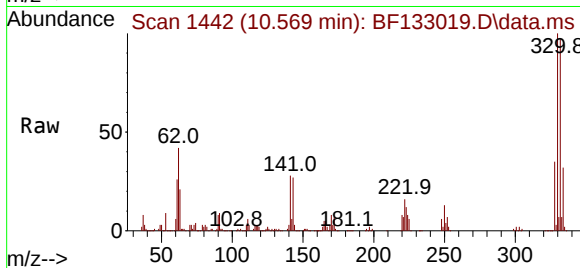
Tgt Ion:164 Resp: 410490
Ion Ratio Lower Upper
164 100
162 99.1 78.7 118.1
160 43.6 35.8 53.6



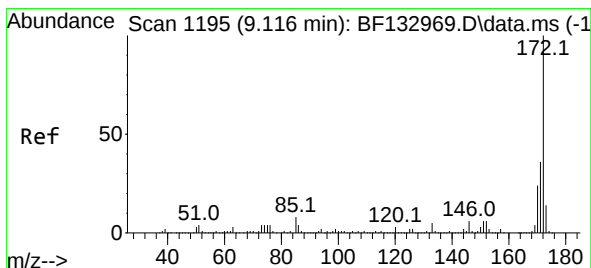
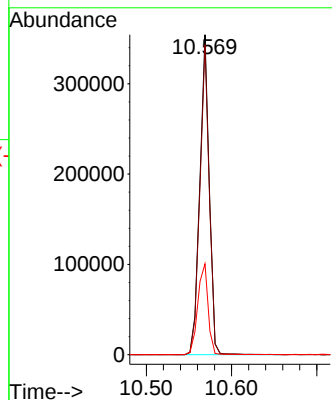
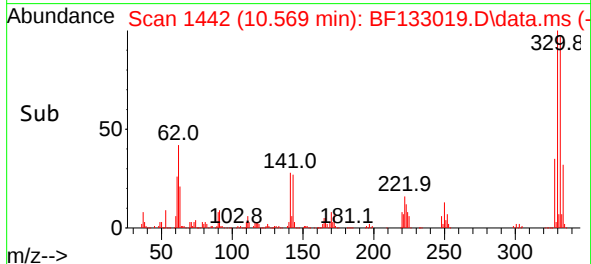


#42
2,4,6-Tribromophenol
Concen: 66.411 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.012 min
Lab File: BF133019.D
Acq: 25 Apr 2023 03:28

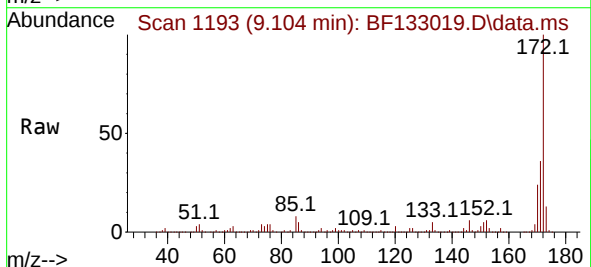
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BNA_F
ClientSampleId :
SB-02-COMP



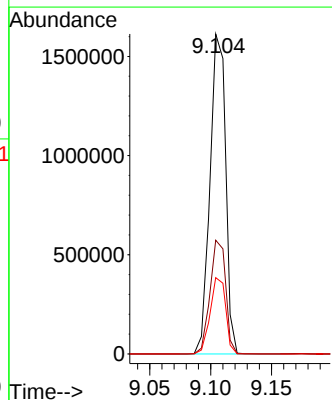
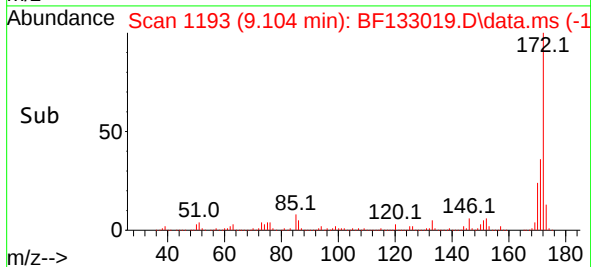
Tgt Ion:330 Resp: 274163
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 30.9 25.8 38.8

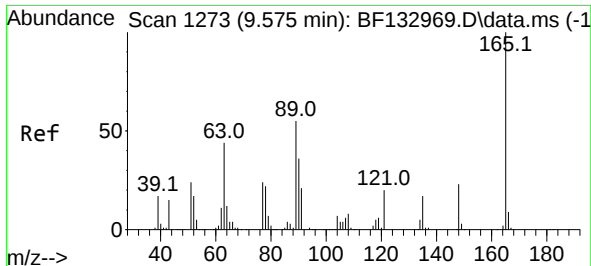


#45
2-Fluorobiphenyl
Concen: 58.731 ng
RT: 9.104 min Scan# 1193
Delta R.T. -0.012 min
Lab File: BF133019.D
Acq: 25 Apr 2023 03:28



Tgt Ion:172 Resp: 1441041
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.8 19.4 29.2





#51

2,6-Dinitrotoluene

Concen: 8.288 ng

RT: 9.781 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF133019.D

Acq: 25 Apr 2023 03:28

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

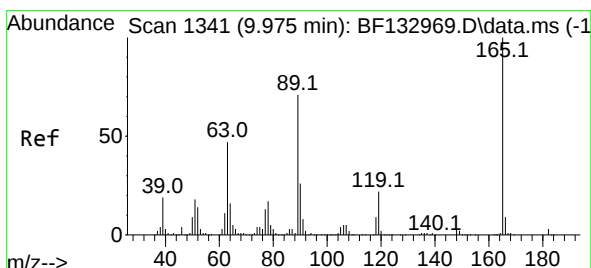
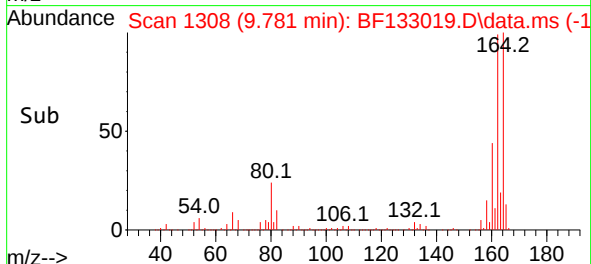
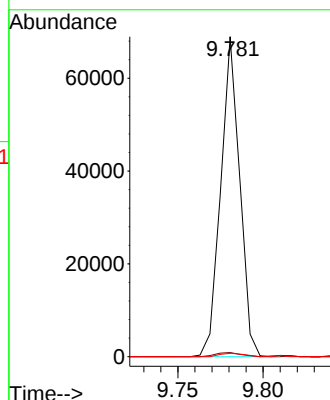
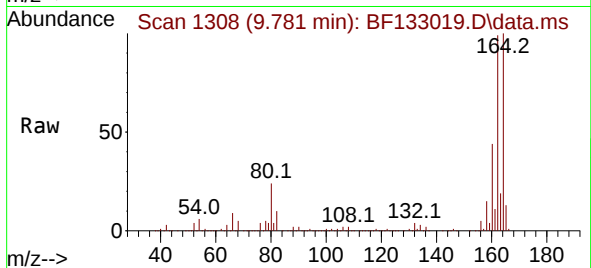
Tgt Ion:165 Resp: 53396

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: 6.499 ng

RT: 9.781 min Scan# 1308

Delta R.T. -0.194 min

Lab File: BF133019.D

Acq: 25 Apr 2023 03:28

Tgt Ion:165 Resp: 53396

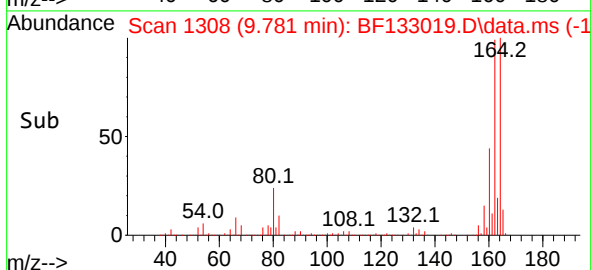
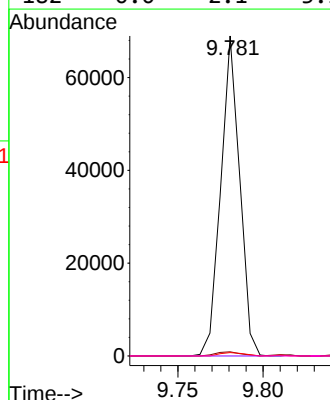
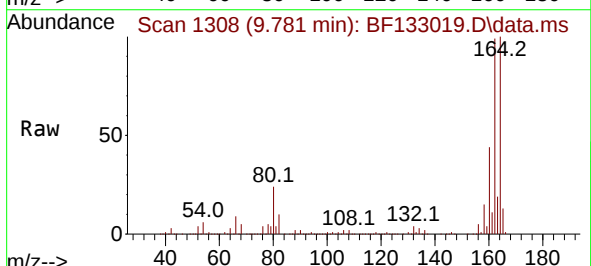
Ion Ratio Lower Upper

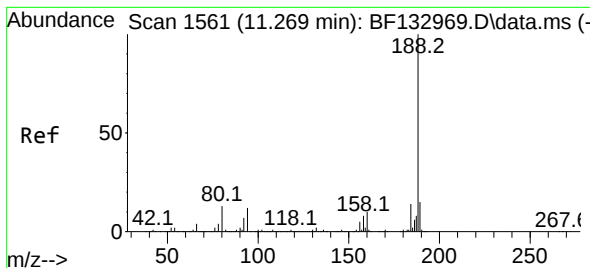
165 100

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# 1

Delta R.T. -0.006 min

Lab File: BF133019.D

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SB-02-COMP

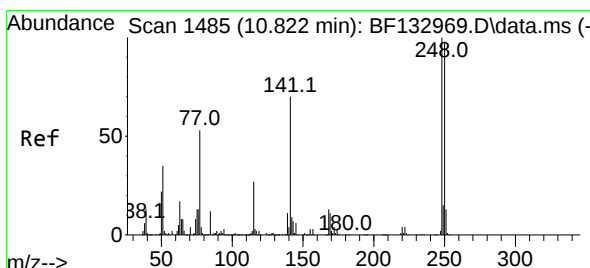
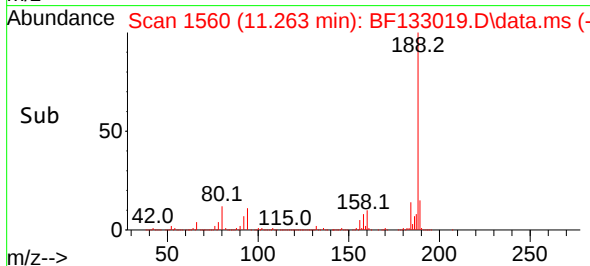
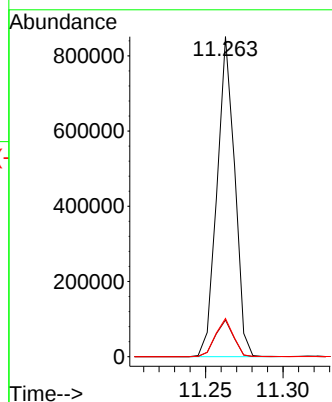
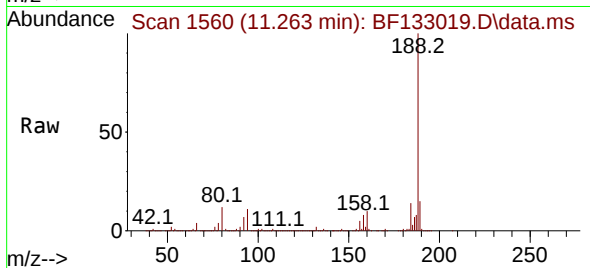
Tgt Ion:188 Resp: 675192

Ion Ratio Lower Upper

188 100

94 11.4 9.7 14.5

80 12.0 10.4 15.6



#67

4-Bromophenyl-phenylether

Concen: 2.282 ng

RT: 10.569 min Scan# 1442

Delta R.T. -0.253 min

Lab File: BF133019.D

Acq: 25 Apr 2023 03:28

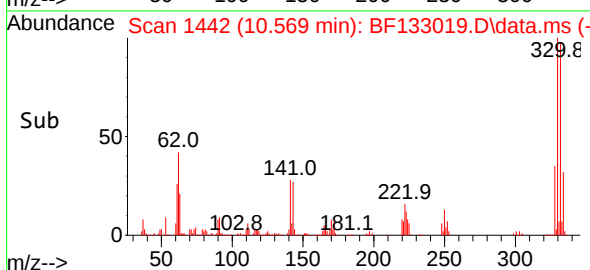
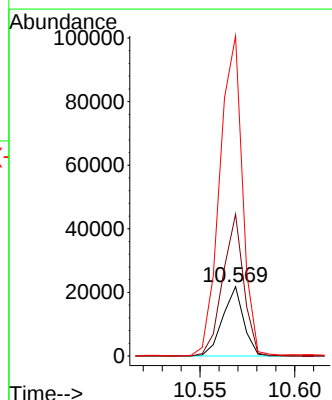
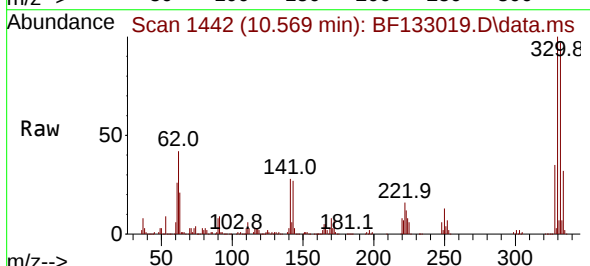
Tgt Ion:248 Resp: 16711

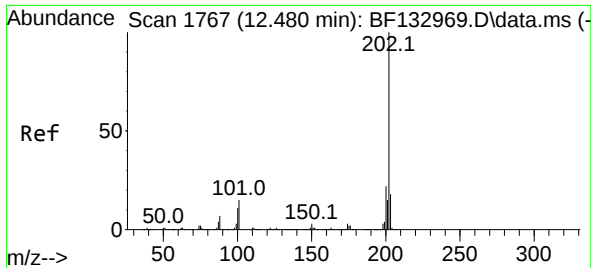
Ion Ratio Lower Upper

248 100

250 204.4 78.7 118.1#

141 461.3 56.3 84.5#

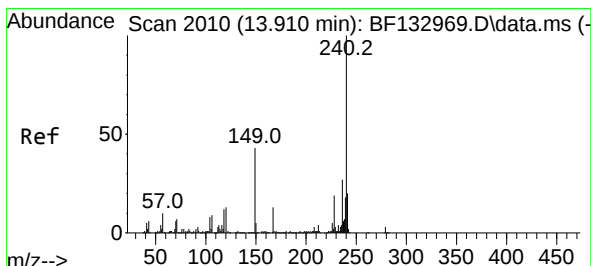
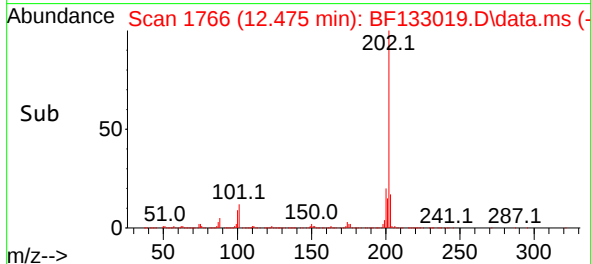
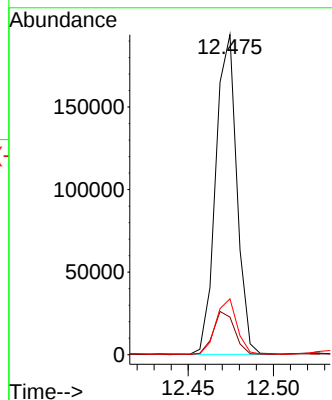
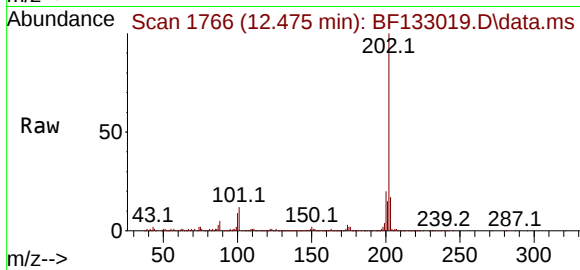




#75
Fluoranthene
Concen: 4.579 ng
RT: 12.475 min Scan# 1766
Delta R.T. -0.006 min
Lab File: BF133019.D
Acq: 25 Apr 2023 03:28

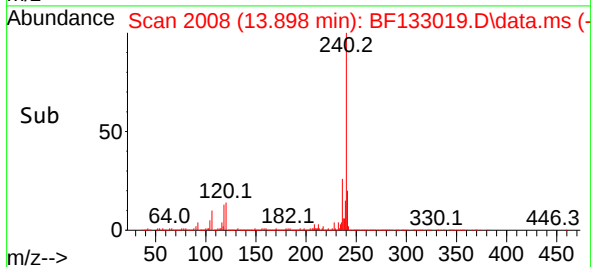
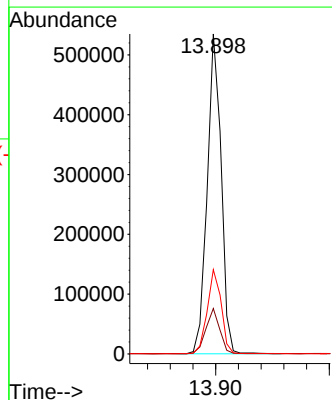
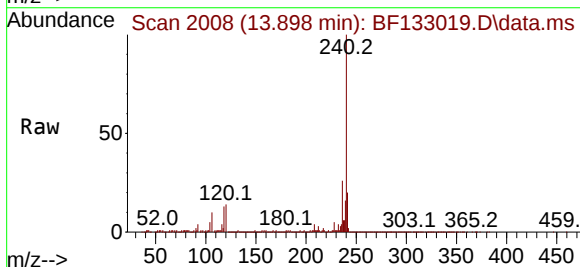
Instrument :
BNA_F
ClientSampleId :
SB-02-COMP

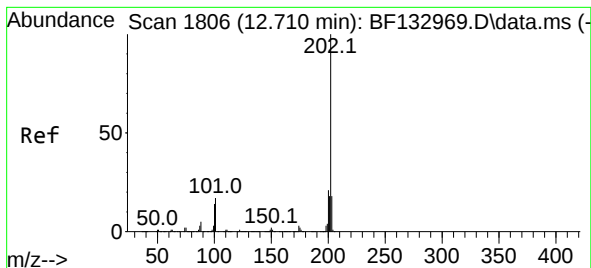
Tgt Ion:202 Resp: 166762
Ion Ratio Lower Upper
202 100
101 11.7 0.0 35.3
203 17.5 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF133019.D
Acq: 25 Apr 2023 03:28

Tgt Ion:240 Resp: 453604
Ion Ratio Lower Upper
240 100
120 14.2 10.5 15.7
236 26.4 21.5 32.3





#78

Pyrene

Concen: 3.792 ng

RT: 12.698 min Scan# 1804

Delta R.T. -0.012 min

Lab File: BF133019.D

Acq: 25 Apr 2023 03:28

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

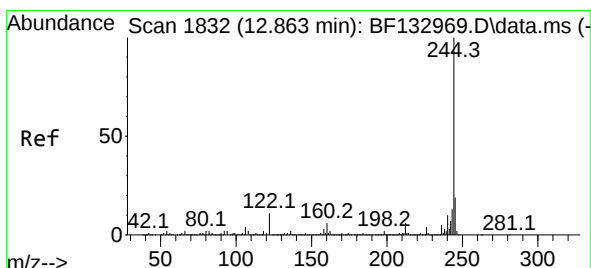
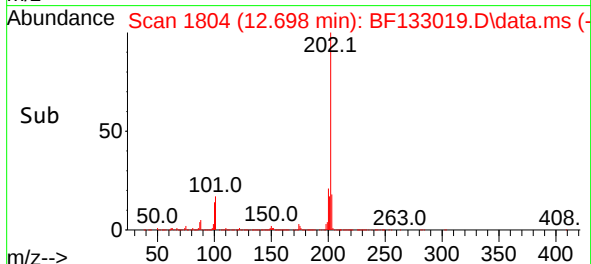
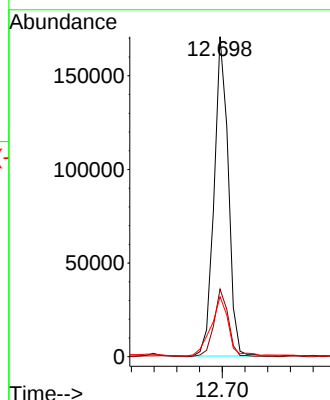
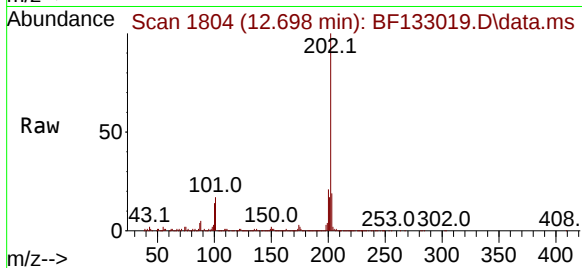
Tgt Ion:202 Resp: 147446

Ion Ratio Lower Upper

202 100

200 21.1 17.1 25.7

203 18.8 14.1 21.1



#79

Terphenyl-d14

Concen: 52.284 ng

RT: 12.851 min Scan# 1830

Delta R.T. -0.012 min

Lab File: BF133019.D

Acq: 25 Apr 2023 03:28

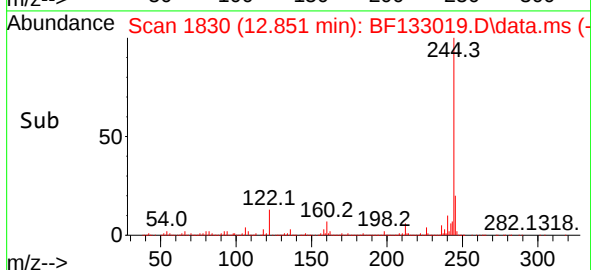
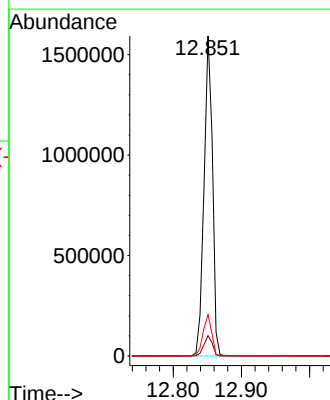
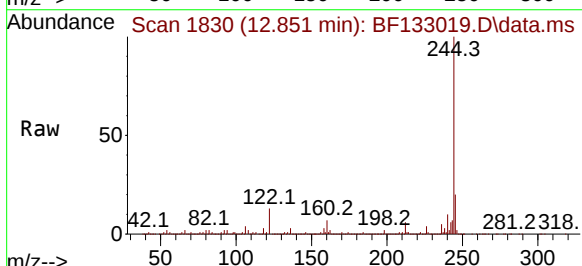
Tgt Ion:244 Resp: 1375116

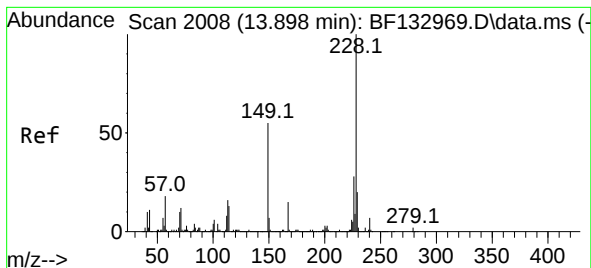
Ion Ratio Lower Upper

244 100

212 6.4 5.1 7.7

122 12.9 8.6 13.0





#81

Benzo(a)anthracene

Concen: 2.531 ng

RT: 13.886 min Scan# 2006

Delta R.T. -0.012 min

Lab File: BF133019.D

Acq: 25 Apr 2023 03:28

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

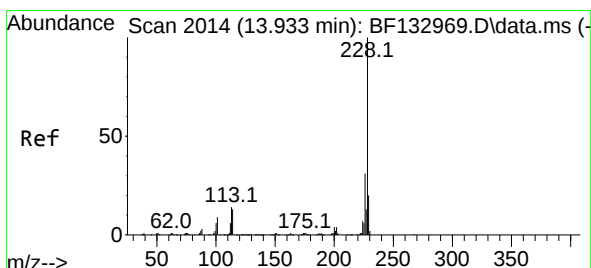
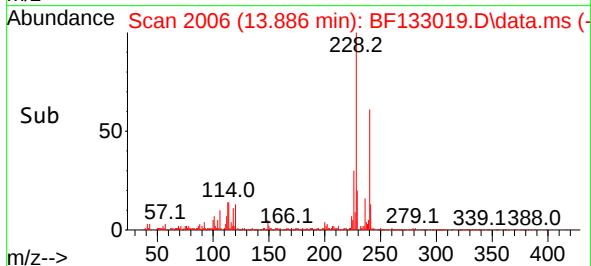
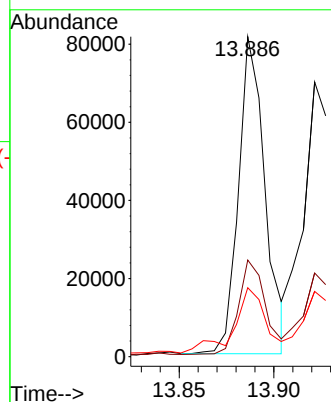
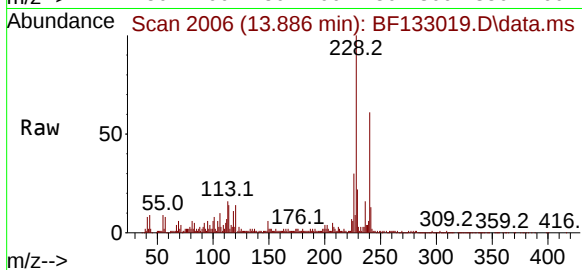
Tgt Ion:228 Resp: 78934

Ion Ratio Lower Upper

228 100

226 30.2 22.2 33.4

229 21.6 16.0 24.0



#83

Chrysene

Concen: 2.260 ng

RT: 13.921 min Scan# 2012

Delta R.T. -0.012 min

Lab File: BF133019.D

Acq: 25 Apr 2023 03:28

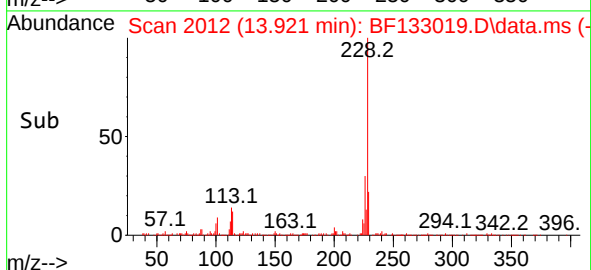
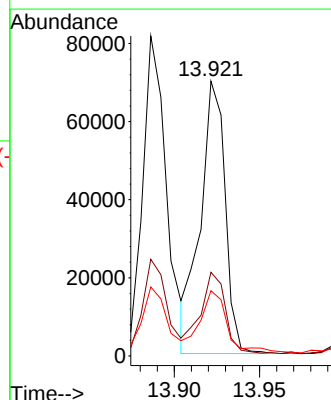
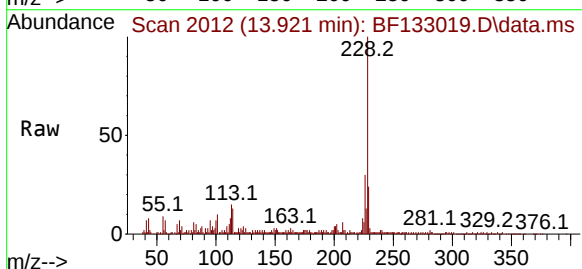
Tgt Ion:228 Resp: 70478

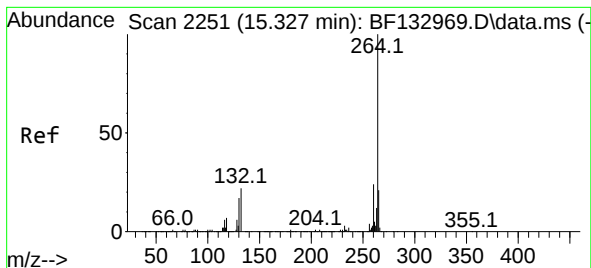
Ion Ratio Lower Upper

228 100

226 30.5 24.7 37.1

229 23.8 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.327 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133019.D

Acq: 25 Apr 2023 03:28

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

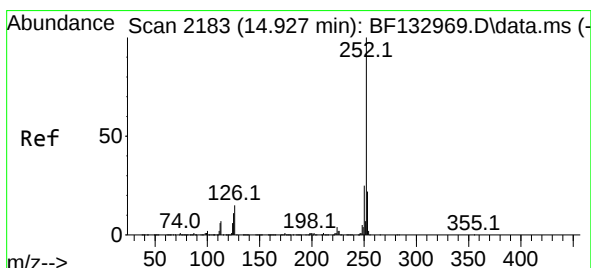
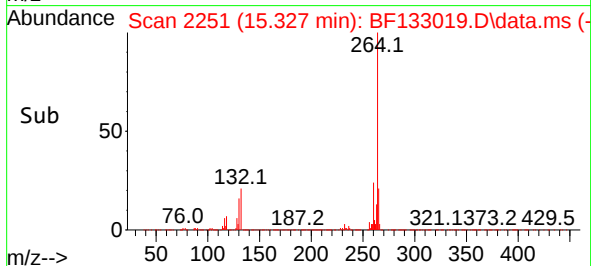
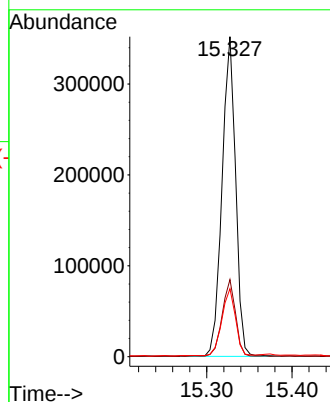
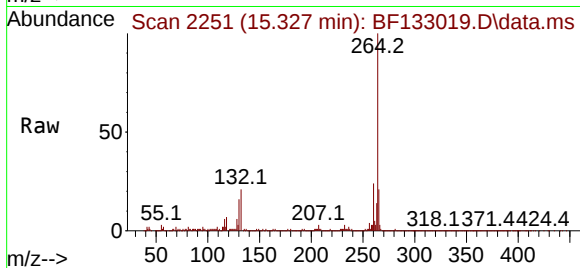
Tgt Ion:264 Resp: 389985

Ion Ratio Lower Upper

264 100

260 24.1 18.8 28.2

265 21.3 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 4.967 ng

RT: 14.916 min Scan# 2181

Delta R.T. -0.012 min

Lab File: BF133019.D

Acq: 25 Apr 2023 03:28

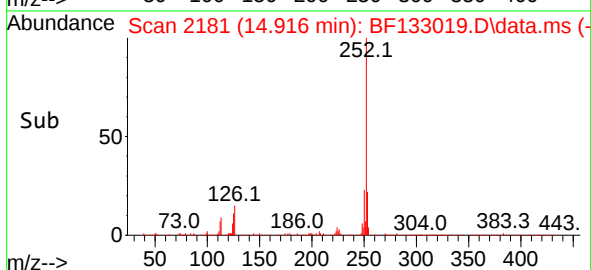
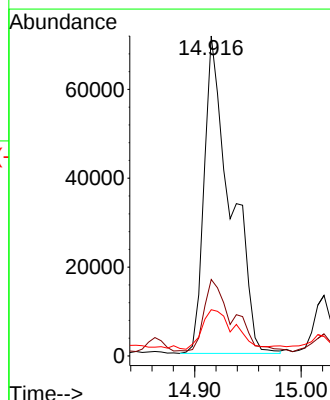
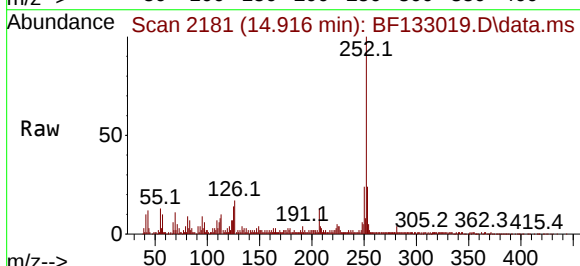
Tgt Ion:252 Resp: 123235

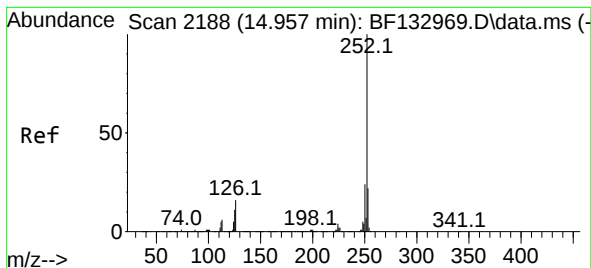
Ion Ratio Lower Upper

252 100

253 23.9 17.6 26.4

125 14.5 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 5.011 ng

RT: 14.916 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF133019.D

Acq: 25 Apr 2023 03:28

Instrument :

BNA_F

ClientSampleId :

SB-02-COMP

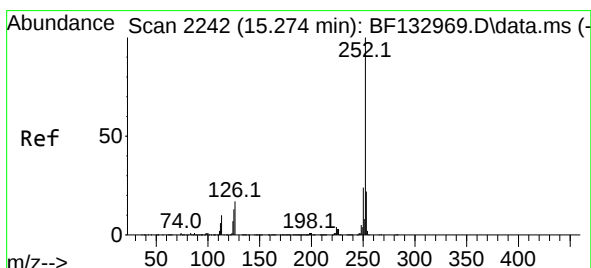
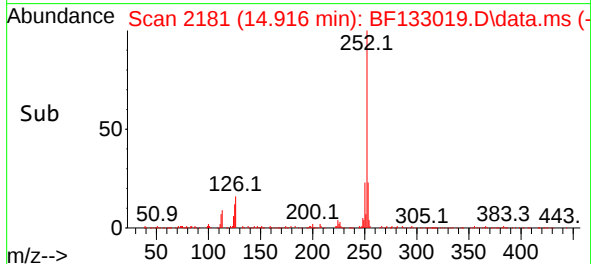
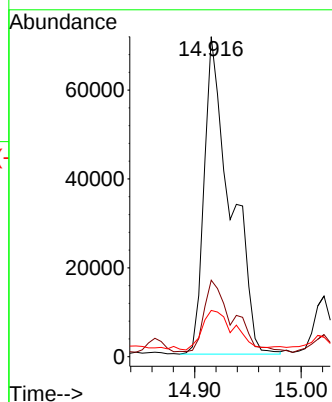
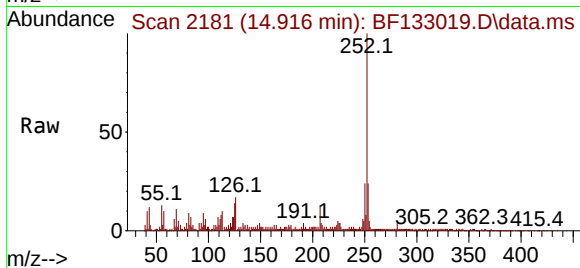
Tgt Ion:252 Resp: 123235

Ion Ratio Lower Upper

252 100

253 23.9 17.7 26.5

125 14.5 9.0 13.4#



#90

Benzo(a)pyrene

Concen: 2.649 ng

RT: 15.263 min Scan# 2240

Delta R.T. -0.012 min

Lab File: BF133019.D

Acq: 25 Apr 2023 03:28

Tgt Ion:252 Resp: 59817

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

125 16.8 10.5 15.7#

