

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051623\
 Data File : BF133403.D
 Acq On : 16 May 2023 15:35
 Operator : CG\JU
 Sample : 02784-01RE
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-051223RE

Quant Time: May 16 16:52:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 16 14:39:29 2023
 Response via : Initial Calibration

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

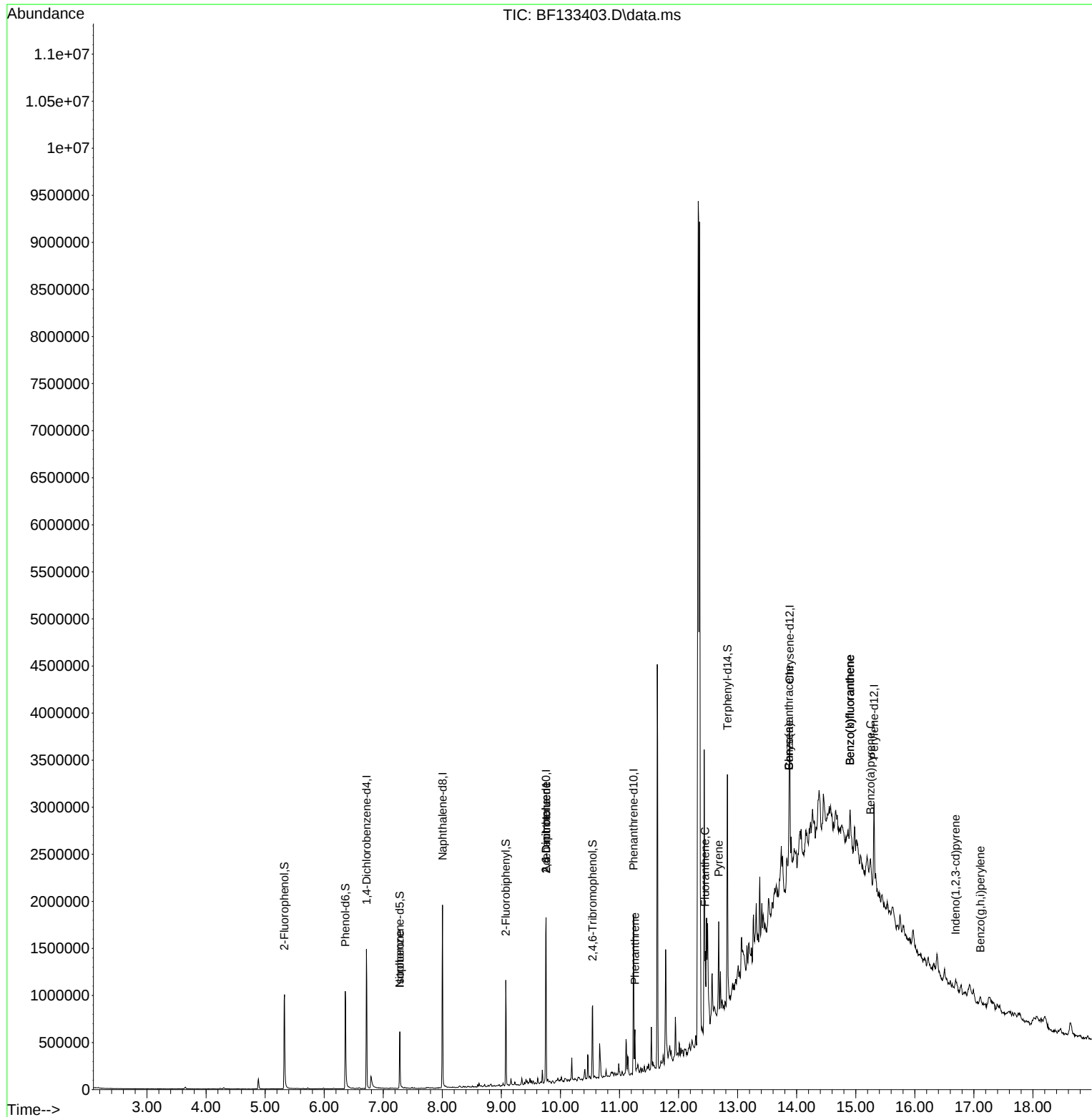
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.716	152	211951	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	793607	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	355382	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	570303	20.000	ng	0.00
76) Chrysene-d12	13.880	240	494007	20.000	ng	0.00
86) Perylene-d12	15.309	264	428341	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	326972	23.304	ng	0.00
7) Phenol-d6	6.357	99	383280	22.008	ng	-0.01
23) Nitrobenzene-d5	7.281	82	183250	12.464	ng	-0.01
42) 2,4,6-Tribromophenol	10.545	330	96637	27.039	ng	0.00
45) 2-Fluorobiphenyl	9.075	172	312222	14.698	ng	-0.01
79) Terphenyl-d14	12.827	244	797280	27.834	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.281	77	702	Below Cal	#	73
25) Isophorone	7.281	82	183185	6.562	ng	# 63
51) 2,6-Dinitrotoluene	9.757	165	47486	8.514	ng	# 25
57) 2,4-Dinitrotoluene	9.757	165	47486	6.676	ng	# 23
71) Phenanthrene	11.263	178	159838	5.215	ng	99
75) Fluoranthene	12.451	202	319991	10.402	ng	99
78) Pyrene	12.680	202	347804	8.213	ng	99
81) Benzo(a)anthracene	13.868	228	165088	4.860	ng	94
83) Chrysene	13.868	228	165088	4.861	ng	97
87) Indeno(1,2,3-cd)pyrene	16.692	276	68778	2.823	ng	92
88) Benzo(b)fluoranthene	14.904	252	252743	9.275	ng	# 73
89) Benzo(k)fluoranthene	14.904	252	252743	9.356	ng	# 74
90) Benzo(a)pyrene	15.251	252	124514	5.020	ng	# 72
92) Benzo(g,h,i)perylene	17.109	276	71838	3.581	ng	92

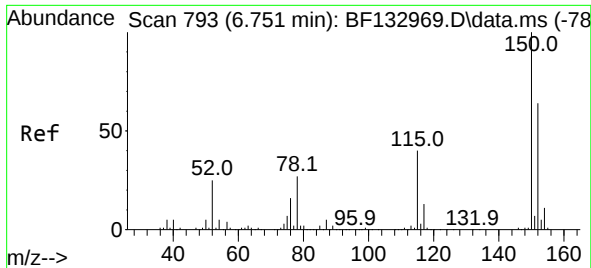
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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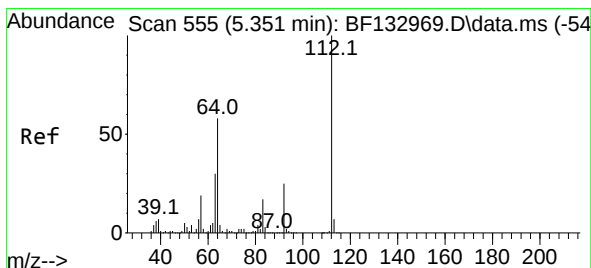
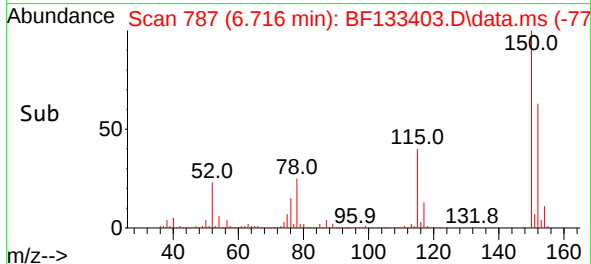
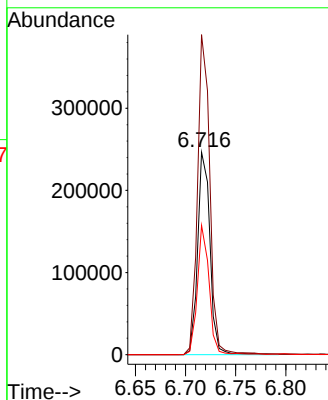
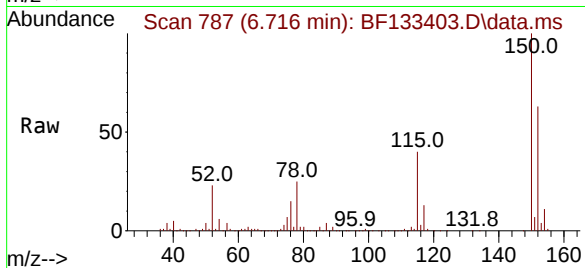




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.716 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF133403.D
 Acq: 16 May 2023 15:35

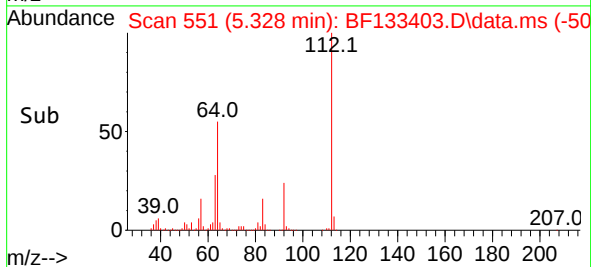
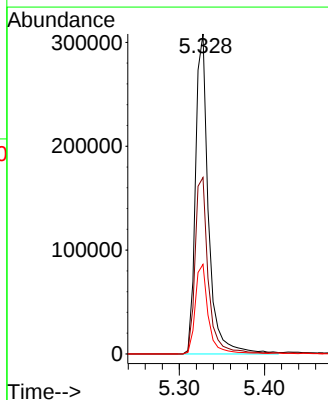
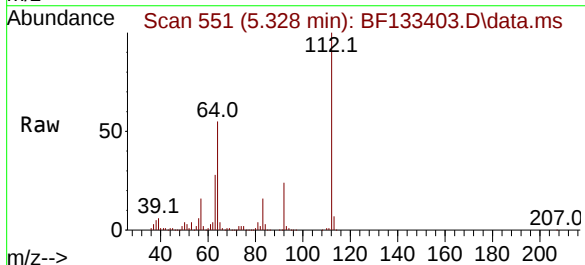
Instrument :
 BNA_F
 ClientSampleId :
 BU-03-051223RE

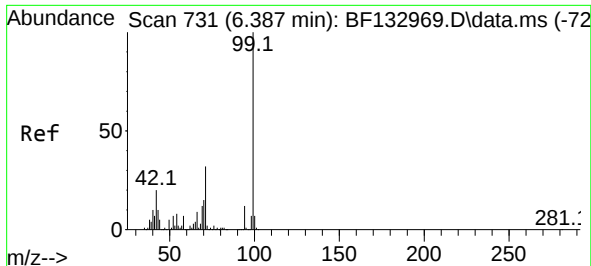
Tgt Ion:152 Resp: 211951
 Ion Ratio Lower Upper
 152 100
 150 158.1 124.8 187.2
 115 63.9 49.9 74.9



#5
 2-Fluorophenol
 Concen: 23.304 ng
 RT: 5.328 min Scan# 551
 Delta R.T. -0.006 min
 Lab File: BF133403.D
 Acq: 16 May 2023 15:35

Tgt Ion:112 Resp: 326972
 Ion Ratio Lower Upper
 112 100
 64 55.1 46.8 70.2
 63 28.0 23.8 35.8

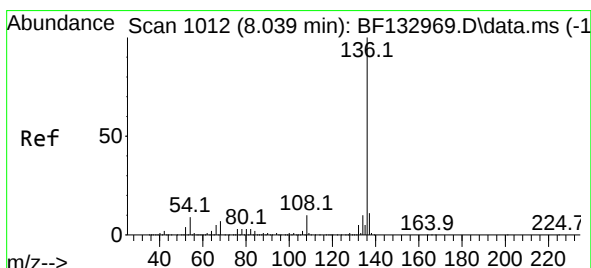
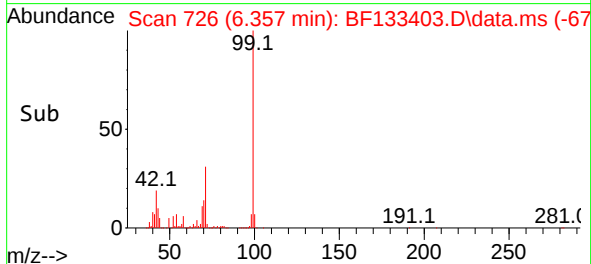
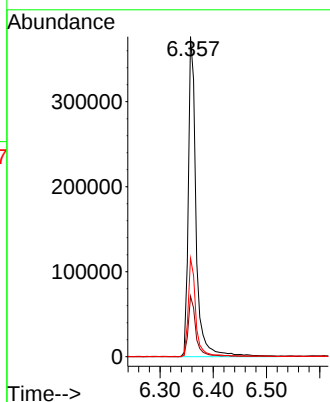
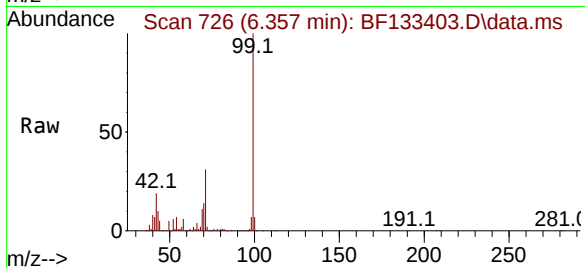




#7
Phenol-d6
Concen: 22.008 ng
RT: 6.357 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF133403.D
Acq: 16 May 2023 15:35

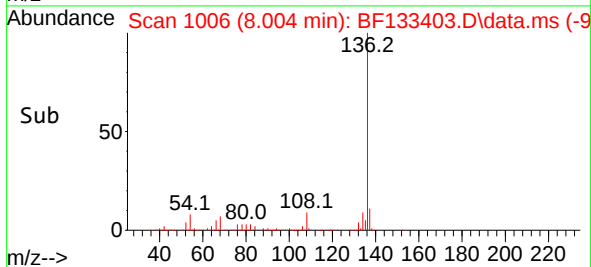
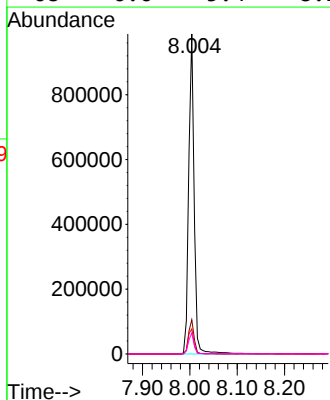
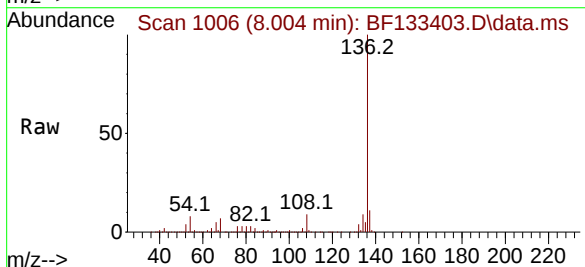
Instrument :
BNA_F
ClientSampleId :
BU-03-051223RE

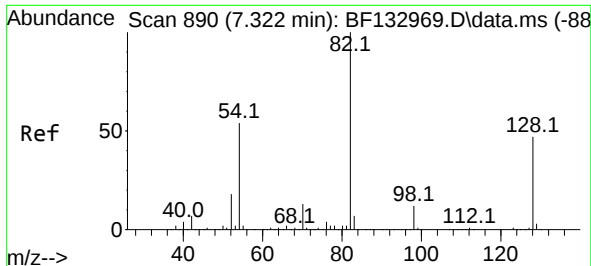
Tgt Ion: 99 Resp: 383280
Ion Ratio Lower Upper
99 100
42 18.9 16.3 24.5
71 30.7 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133403.D
Acq: 16 May 2023 15:35

Tgt Ion: 136 Resp: 793607
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 7.9 7.0 10.4
68 6.6 5.4 8.2





#23

Nitrobenzene-d5

Concen: 12.464 ng

RT: 7.281 min Scan# 883

Delta R.T. -0.012 min

Lab File: BF133403.D

Acq: 16 May 2023 15:35

Instrument :

BNA_F

ClientSampleId :

BU-03-051223RE

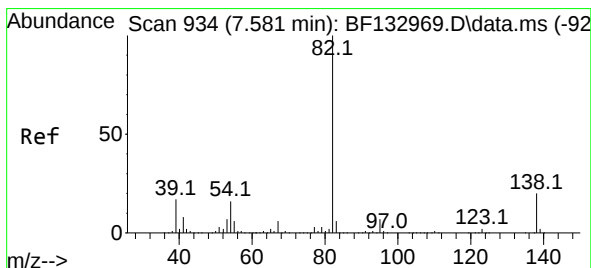
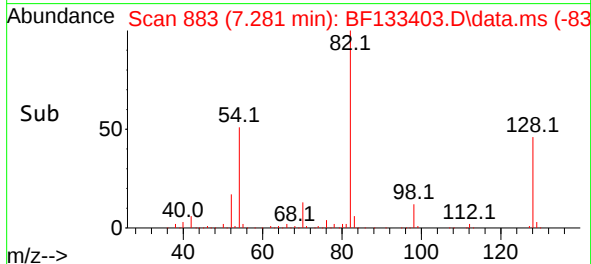
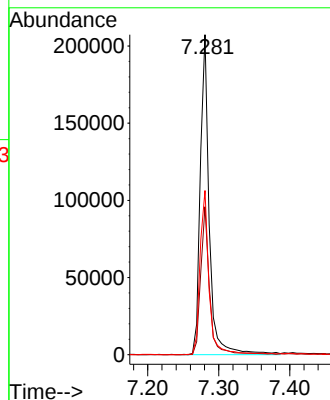
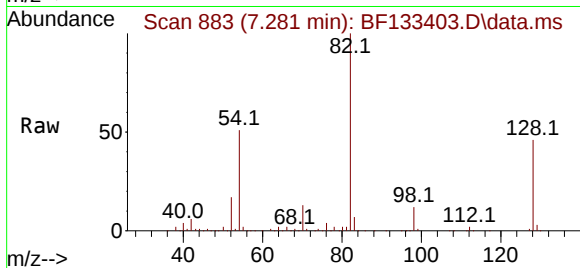
Tgt Ion: 82 Resp: 183250

Ion Ratio Lower Upper

82 100

128 46.3 37.7 56.5

54 51.3 43.0 64.4



#25

Isophorone

Concen: 6.562 ng

RT: 7.281 min Scan# 883

Delta R.T. -0.271 min

Lab File: BF133403.D

Acq: 16 May 2023 15:35

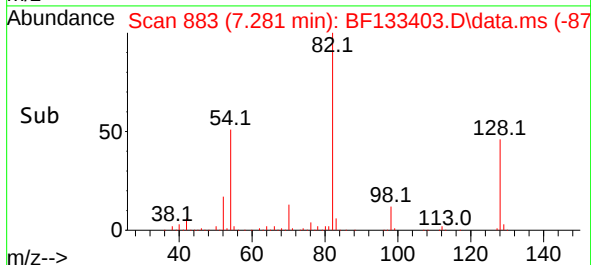
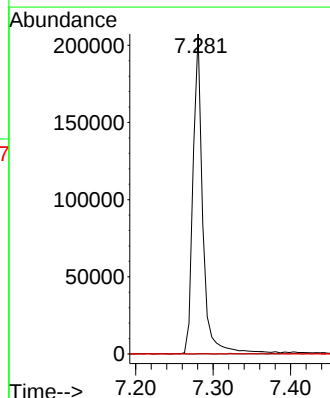
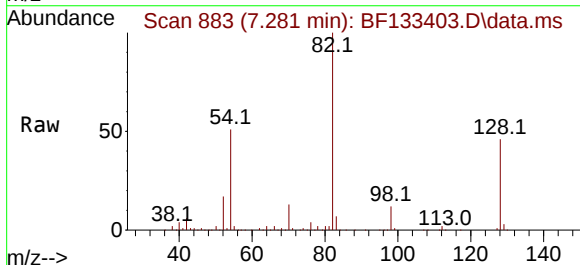
Tgt Ion: 82 Resp: 183185

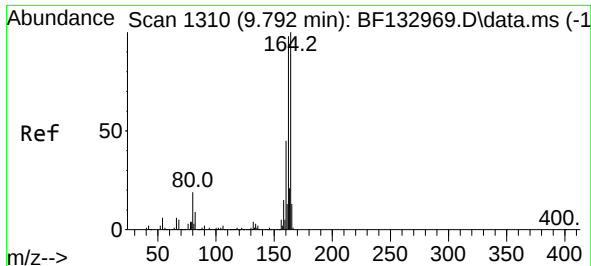
Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.0#

138 0.0 16.0 24.0#

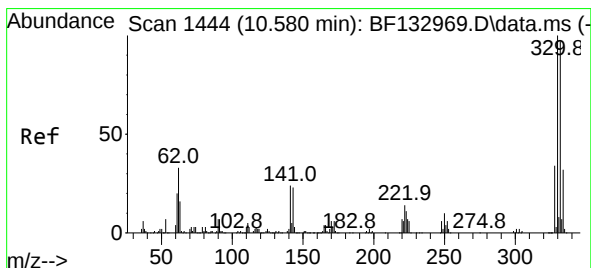
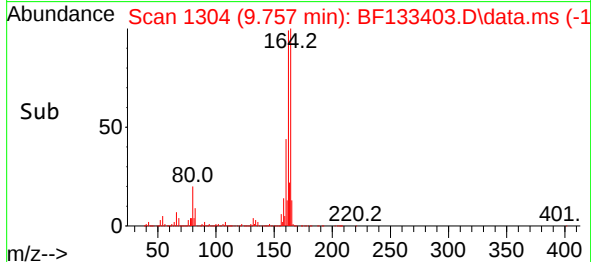
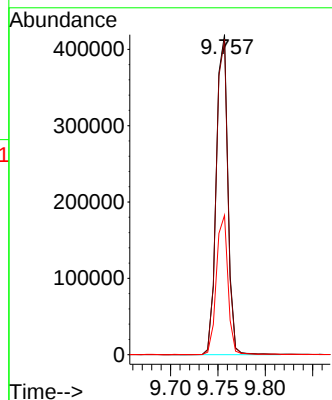
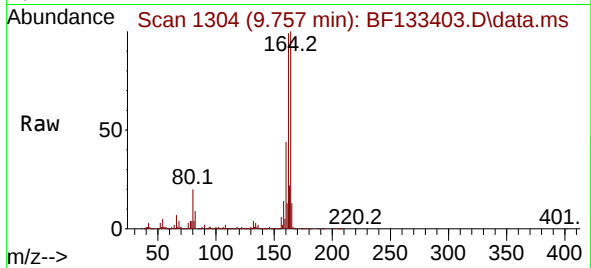




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF133403.D
Acq: 16 May 2023 15:35

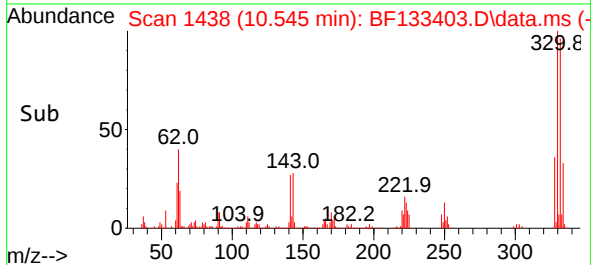
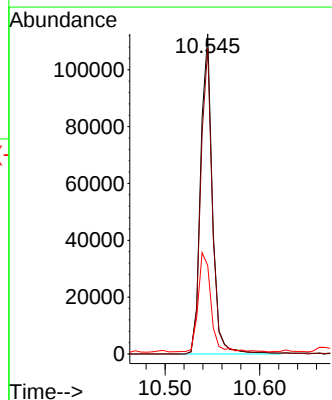
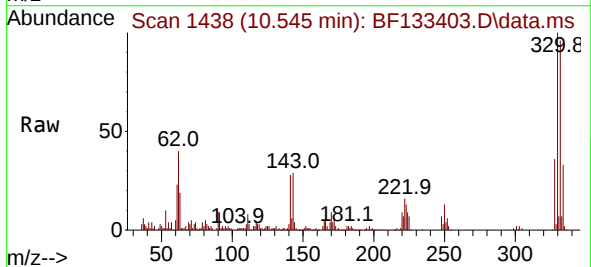
Instrument :
BNA_F
ClientSampleId :
BU-03-051223RE

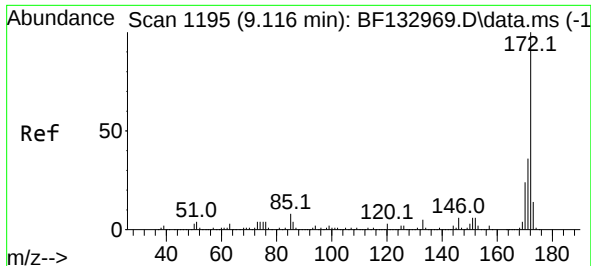
Tgt Ion:164 Resp: 355382
Ion Ratio Lower Upper
164 100
162 98.6 78.7 118.1
160 43.5 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 27.039 ng
RT: 10.545 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF133403.D
Acq: 16 May 2023 15:35

Tgt Ion:330 Resp: 96637
Ion Ratio Lower Upper
330 100
332 94.4 77.1 115.7
141 33.9 25.8 38.8





#45

2-Fluorobiphenyl

Concen: 14.698 ng

RT: 9.075 min Scan# 1195

Delta R.T. -0.012 min

Lab File: BF133403.D

Acq: 16 May 2023 15:35

Instrument :

BNA_F

ClientSampleId :

BU-03-051223RE

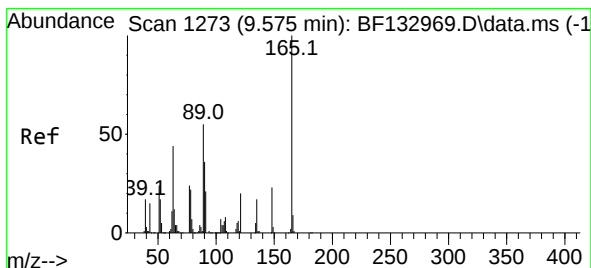
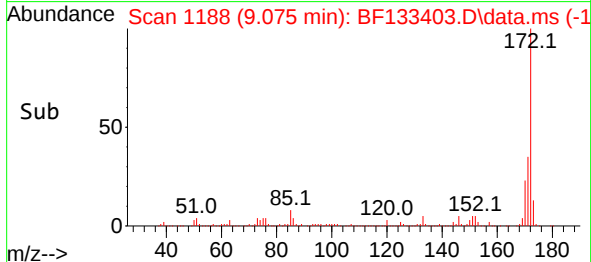
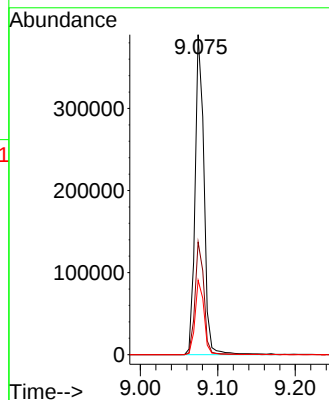
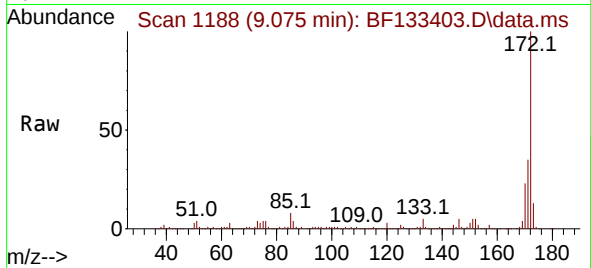
Tgt Ion:172 Resp: 312222

Ion Ratio Lower Upper

172 100

171 35.2 28.8 43.2

170 23.2 19.4 29.2



#51

2,6-Dinitrotoluene

Concen: 8.514 ng

RT: 9.757 min Scan# 1304

Delta R.T. 0.206 min

Lab File: BF133403.D

Acq: 16 May 2023 15:35

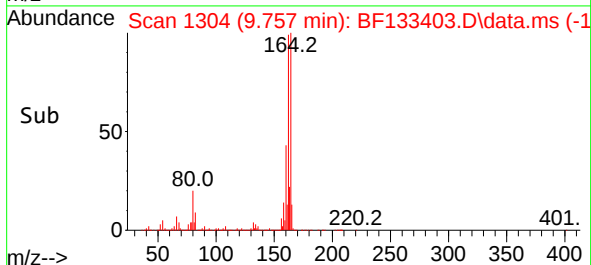
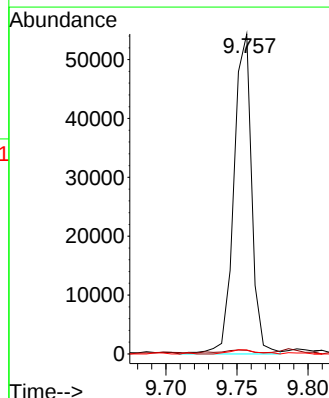
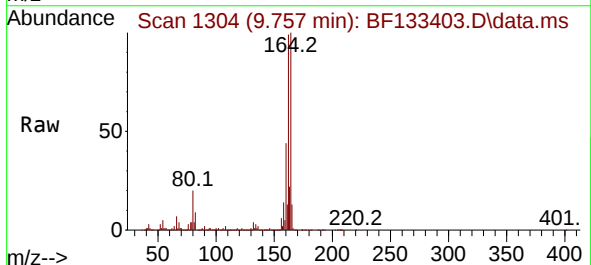
Tgt Ion:165 Resp: 47486

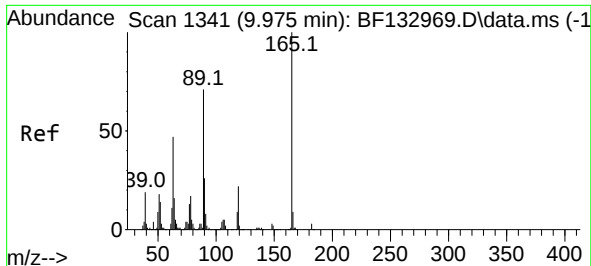
Ion Ratio Lower Upper

165 100

63 1.1 45.9 68.9#

89 1.2 44.0 66.0#





#57

2,4-Dinitrotoluene

Concen: 6.676 ng

RT: 9.757 min Scan# 1

Delta R.T. -0.200 min

Lab File: BF133403.D

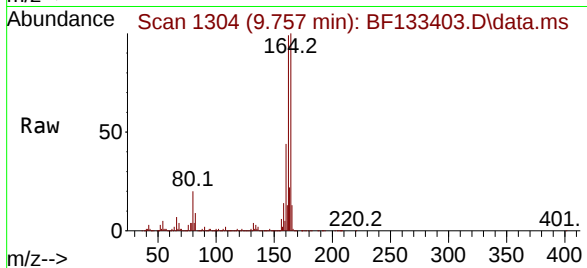
Acq: 16 May 2023 15:35

Instrument :

BNA_F

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BU-03-051223RE



Tgt Ion:165 Resp: 47486

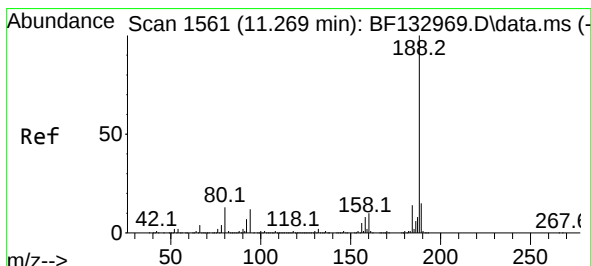
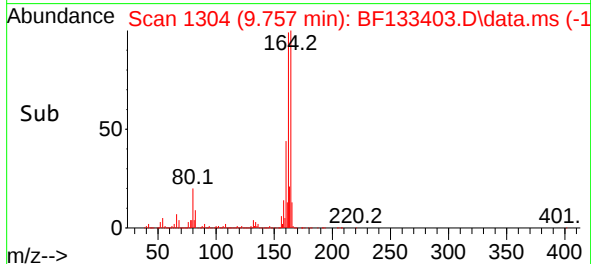
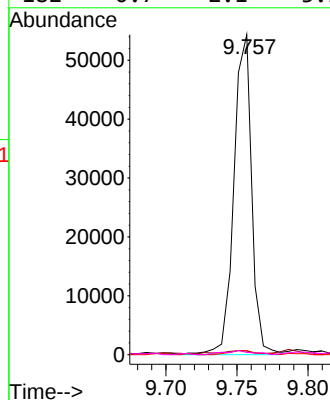
Ion Ratio Lower Upper

165 100

63 1.1 37.7 56.5#

89 1.2 57.0 85.4#

182 0.7 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.239 min Scan# 1556

Delta R.T. -0.006 min

Lab File: BF133403.D

Acq: 16 May 2023 15:35

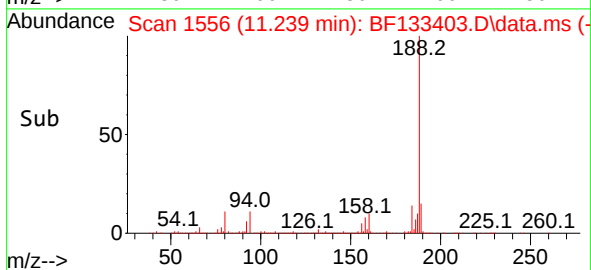
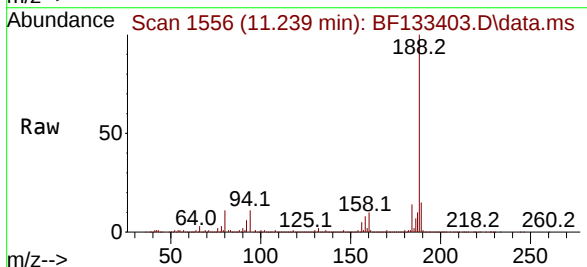
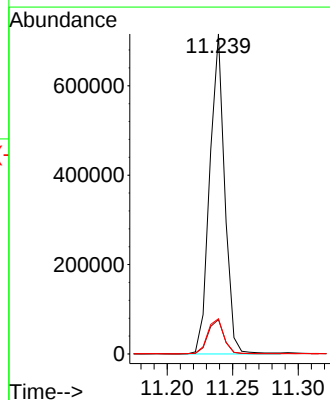
Tgt Ion:188 Resp: 570303

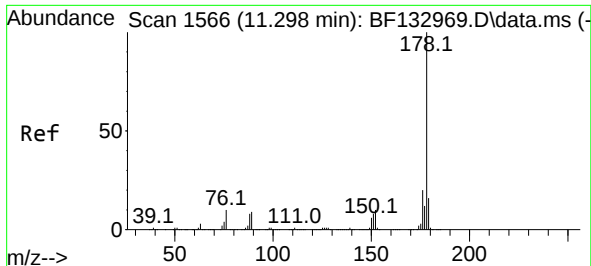
Ion Ratio Lower Upper

188 100

94 10.7 9.7 14.5

80 11.0 10.4 15.6

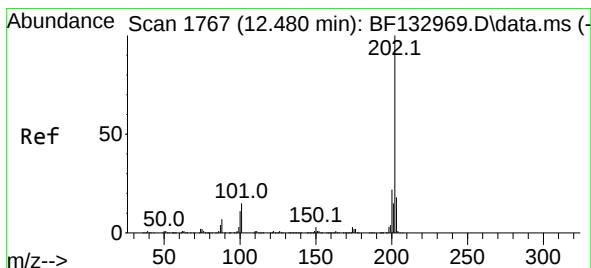
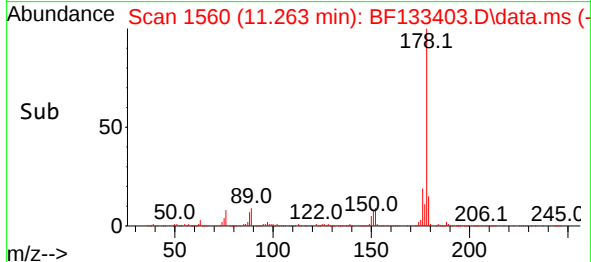
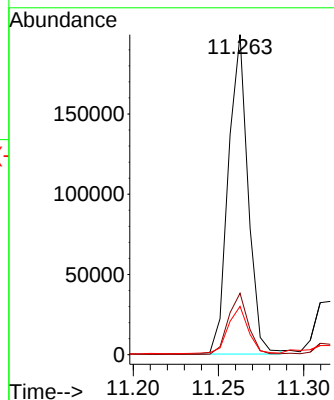
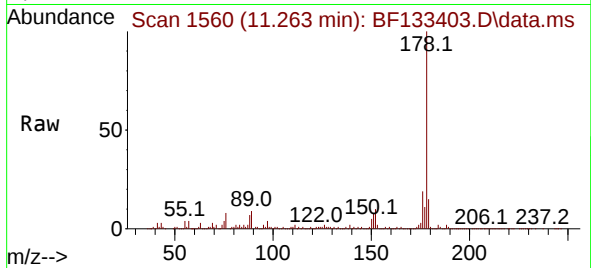




#71
Phenanthrene
Concen: 5.215 ng
RT: 11.263 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF133403.D
Acq: 16 May 2023 15:35

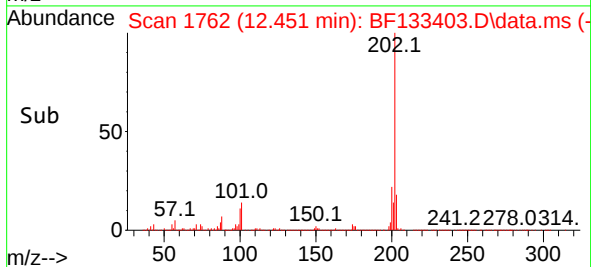
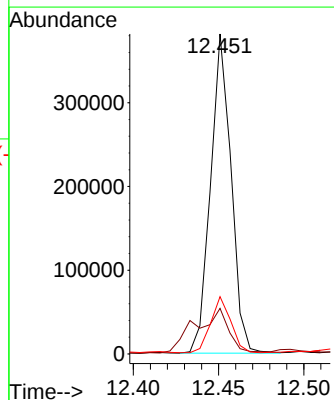
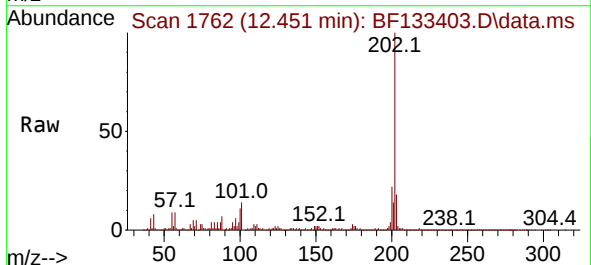
Instrument :
BNA_F
ClientSampleId :
BU-03-051223RE

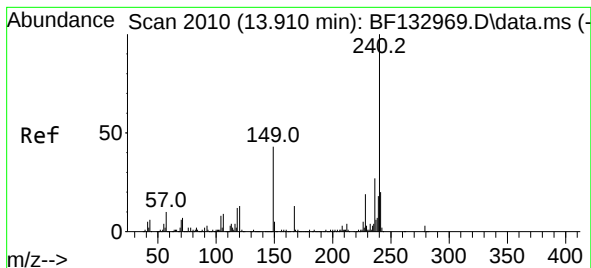
Tgt Ion:178 Resp: 159838
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 15.1 12.5 18.7



#75
Fluoranthene
Concen: 10.402 ng
RT: 12.451 min Scan# 1762
Delta R.T. -0.006 min
Lab File: BF133403.D
Acq: 16 May 2023 15:35

Tgt Ion:202 Resp: 319991
Ion Ratio Lower Upper
202 100
101 14.3 0.0 35.3
203 17.9 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 2010

Delta R.T. -0.006 min

Lab File: BF133403.D

Acq: 16 May 2023 15:35

Instrument :

BNA_F

ClientSampleId :

BU-03-051223RE

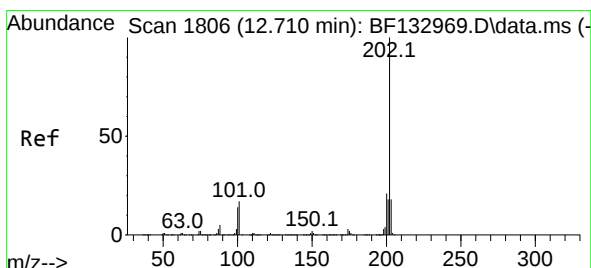
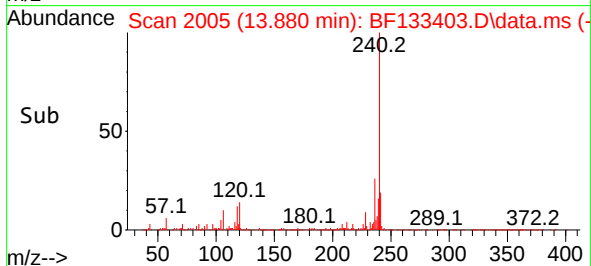
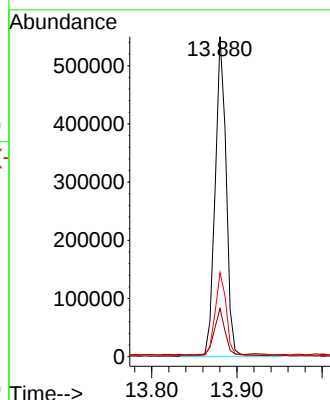
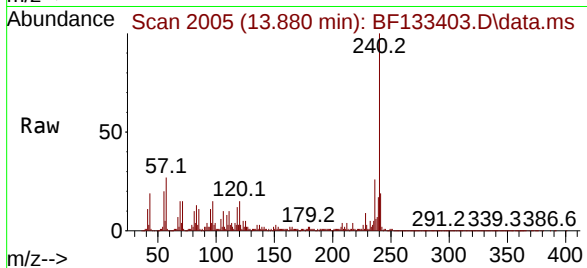
Tgt Ion:240 Resp: 494007

Ion Ratio Lower Upper

240 100

120 15.0 10.5 15.7

236 26.3 21.5 32.3



#78

Pyrene

Concen: 8.213 ng

RT: 12.680 min Scan# 1801

Delta R.T. -0.006 min

Lab File: BF133403.D

Acq: 16 May 2023 15:35

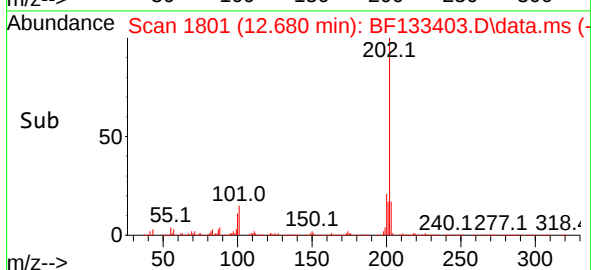
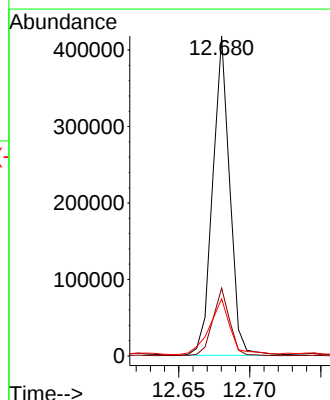
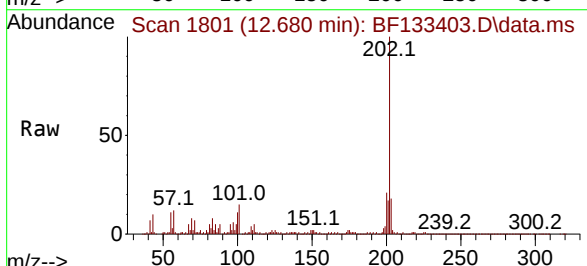
Tgt Ion:202 Resp: 347804

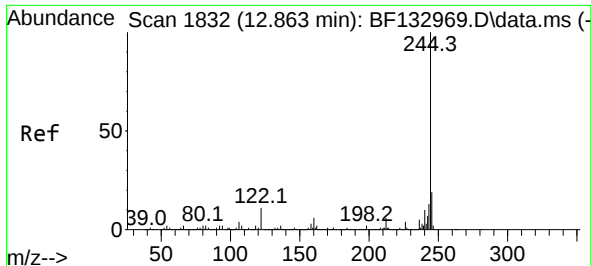
Ion Ratio Lower Upper

202 100

200 21.2 17.1 25.7

203 17.9 14.1 21.1

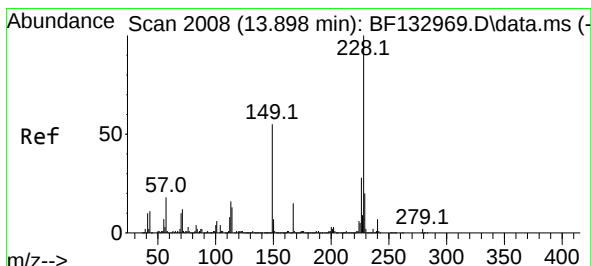
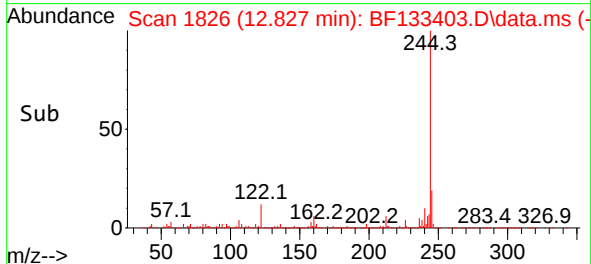
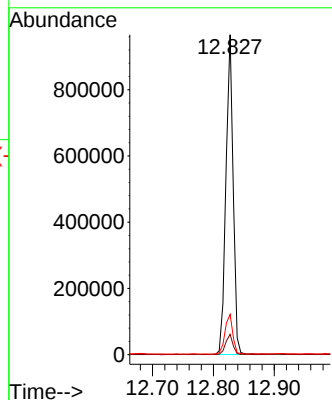
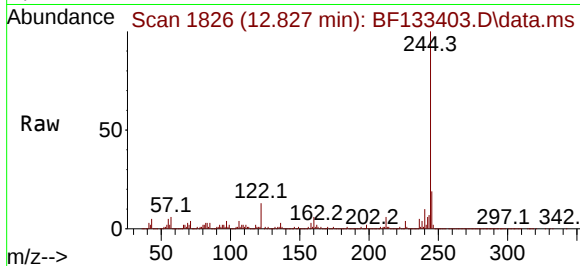




#79
 Terphenyl-d14
 Concen: 27.834 ng
 RT: 12.827 min Scan# 1
 Delta R.T. -0.006 min
 Lab File: BF133403.D
 Acq: 16 May 2023 15:35

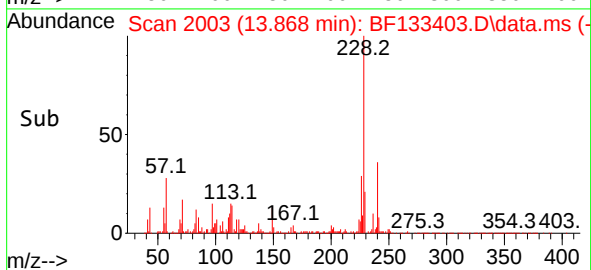
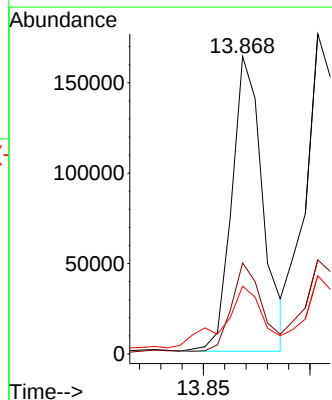
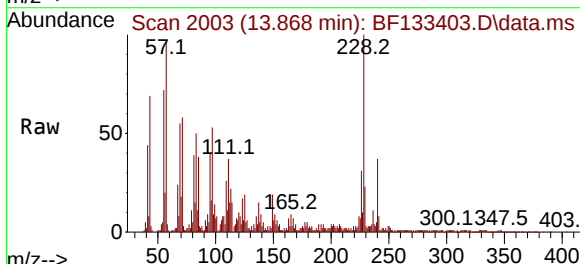
Instrument :
 BNA_F
 ClientSampleId :
 BU-03-051223RE

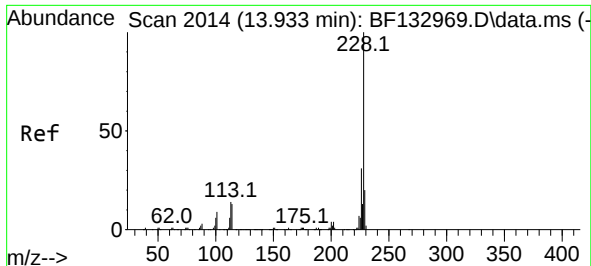
Tgt Ion:244 Resp: 797280
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.1 7.7
 122 12.6 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 4.860 ng
 RT: 13.868 min Scan# 2003
 Delta R.T. -0.006 min
 Lab File: BF133403.D
 Acq: 16 May 2023 15:35

Tgt Ion:228 Resp: 165088
 Ion Ratio Lower Upper
 228 100
 226 30.6 22.2 33.4
 229 22.8 16.0 24.0

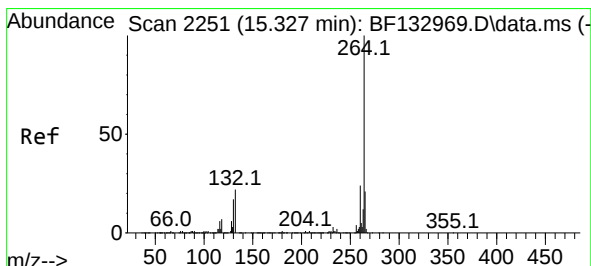
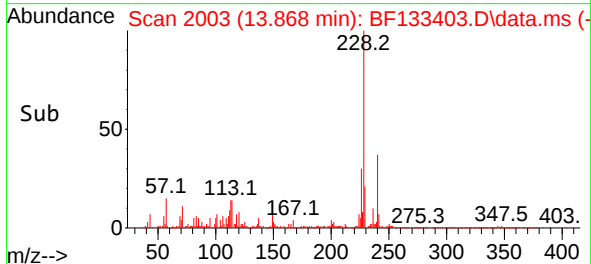
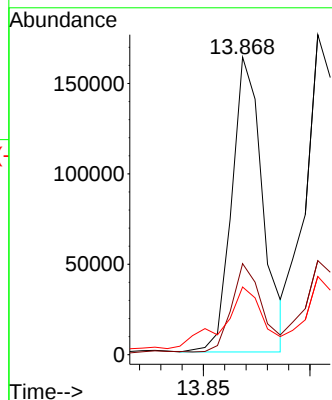
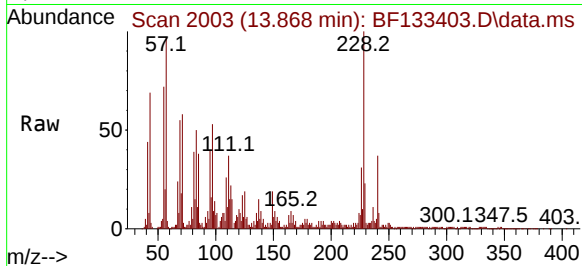




#83
Chrysene
Concen: 4.861 ng
RT: 13.868 min Scan# 2014
Delta R.T. -0.041 min
Lab File: BF133403.D
Acq: 16 May 2023 15:35

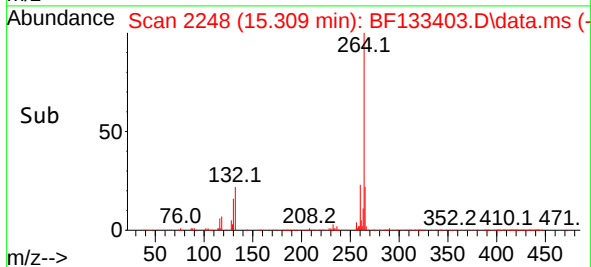
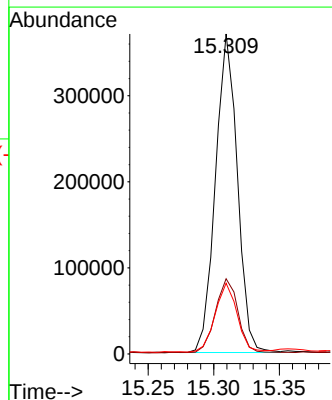
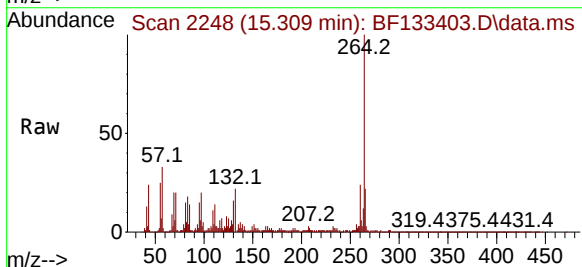
Instrument :
BNA_F
ClientSampleId :
BU-03-051223RE

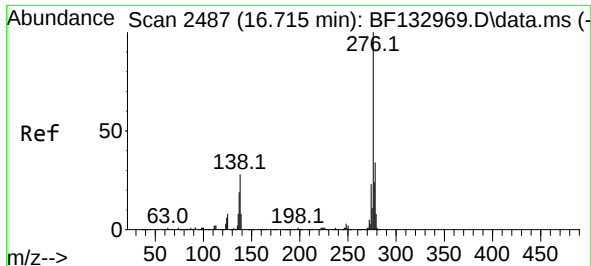
Tgt Ion:228 Resp: 165088
Ion Ratio Lower Upper
228 100
226 30.6 24.7 37.1
229 22.8 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.309 min Scan# 2248
Delta R.T. 0.006 min
Lab File: BF133403.D
Acq: 16 May 2023 15:35

Tgt Ion:264 Resp: 428341
Ion Ratio Lower Upper
264 100
260 23.5 18.8 28.2
265 22.1 17.0 25.4

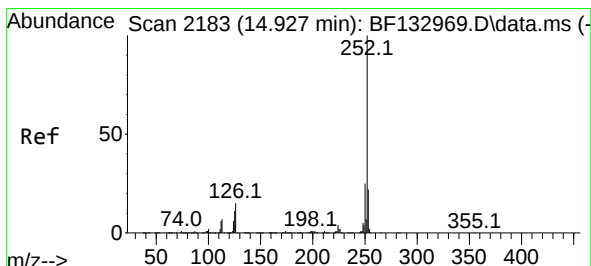
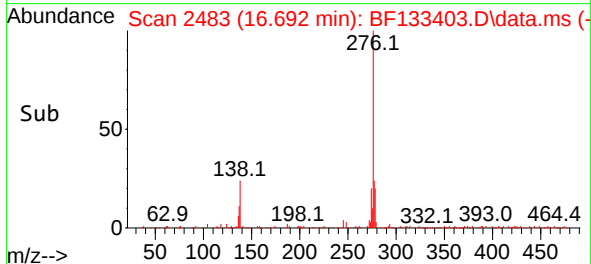
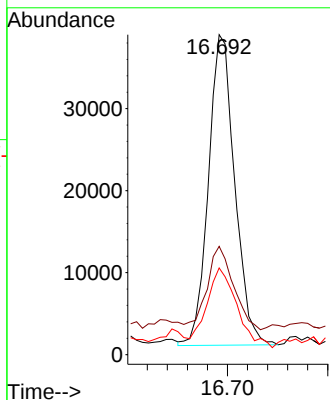
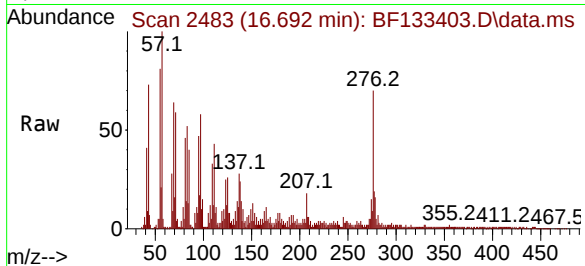




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.823 ng
RT: 16.692 min Scan# 2483
Delta R.T. -0.006 min
Lab File: BF133403.D
Acq: 16 May 2023 15:35

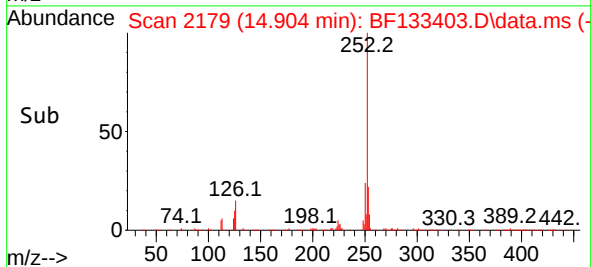
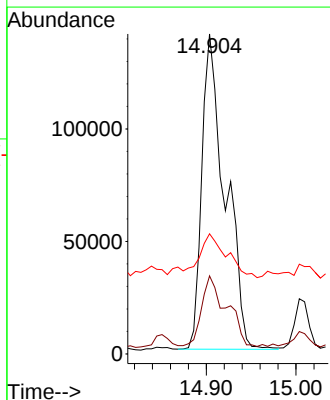
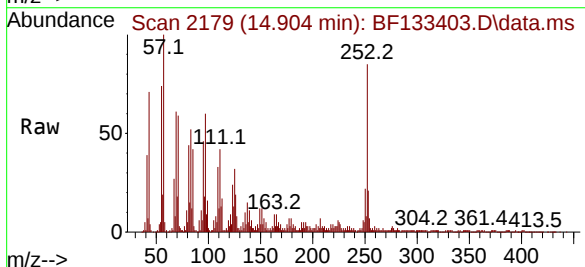
Instrument :
BNA_F
ClientSampleId :
BU-03-051223RE

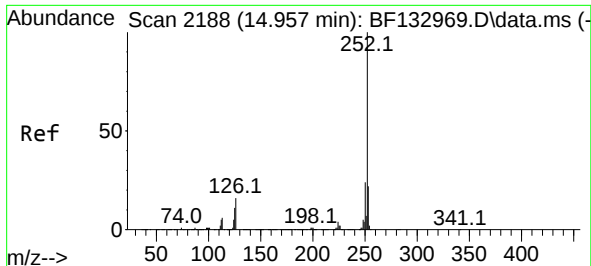
Tgt Ion:276 Resp: 68778
Ion Ratio Lower Upper
276 100
138 27.1 25.5 38.3
277 29.4 20.4 30.6



#88
Benzo(b)fluoranthene
Concen: 9.275 ng
RT: 14.904 min Scan# 2179
Delta R.T. 0.006 min
Lab File: BF133403.D
Acq: 16 May 2023 15:35

Tgt Ion:252 Resp: 252743
Ion Ratio Lower Upper
252 100
253 24.4 17.6 26.4
125 37.5 8.9 13.3#





#89

Benzo(k)fluoranthene

Concen: 9.356 ng

RT: 14.904 min Scan# 2188

Delta R.T. -0.024 min

Lab File: BF133403.D

Acq: 16 May 2023 15:35

Instrument :

BNA_F

ClientSampleId :

BU-03-051223RE

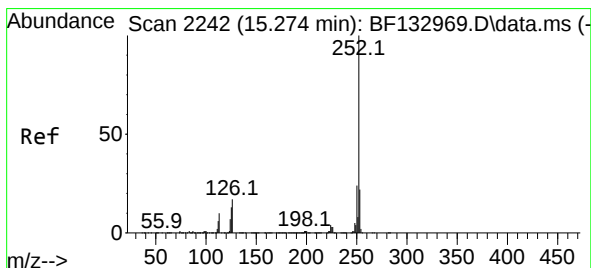
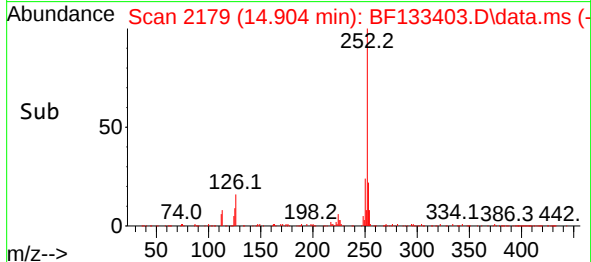
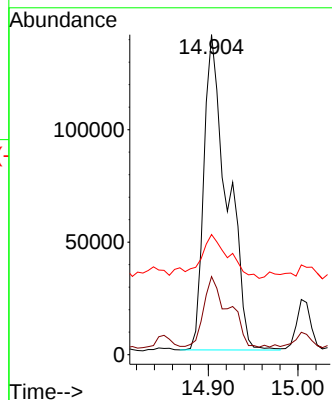
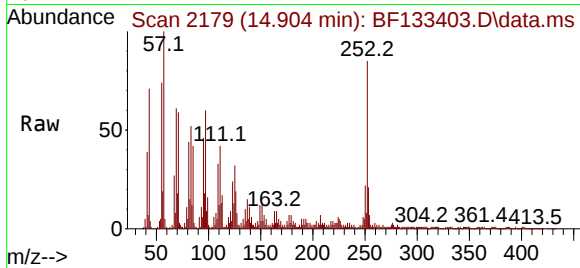
Tgt Ion:252 Resp: 252743

Ion Ratio Lower Upper

252 100

253 24.4 17.7 26.5

125 37.5 9.0 13.4#



#90

Benzo(a)pyrene

Concen: 5.020 ng

RT: 15.251 min Scan# 2238

Delta R.T. 0.006 min

Lab File: BF133403.D

Acq: 16 May 2023 15:35

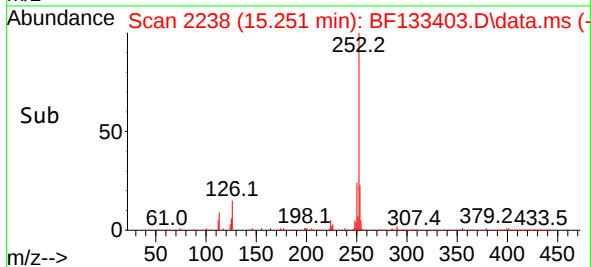
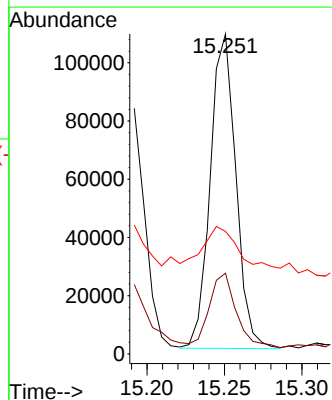
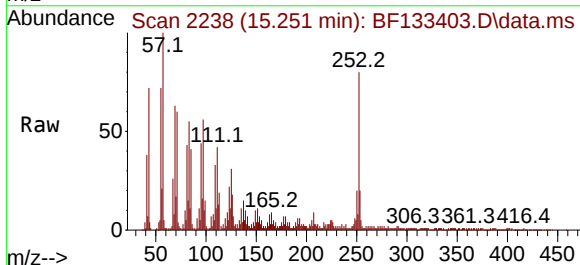
Tgt Ion:252 Resp: 124514

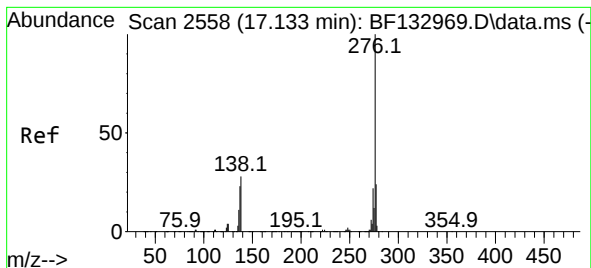
Ion Ratio Lower Upper

252 100

253 25.2 17.7 26.5

125 38.3 10.5 15.7#





#92

Benzo(g,h,i)perylene

Concen: 3.581 ng

RT: 17.109 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF133403.D

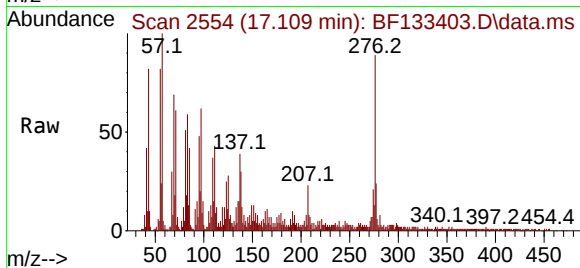
Acq: 16 May 2023 15:35

Instrument :

BNA_F

ClientSampleId :

BU-03-051223RE



Tgt Ion:276 Resp: 71838

Ion Ratio Lower Upper

276 100

277 27.3 19.4 29.0

138 33.8 22.7 34.1

