

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031523\
 Data File : BF132809.D
 Acq On : 15 Mar 2023 18:21
 Operator : CG\JU
 Sample : 01919-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-03142023

Quant Time: Mar 16 05:46:57 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 14 15:35:42 2023
 Response via : Initial Calibration

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

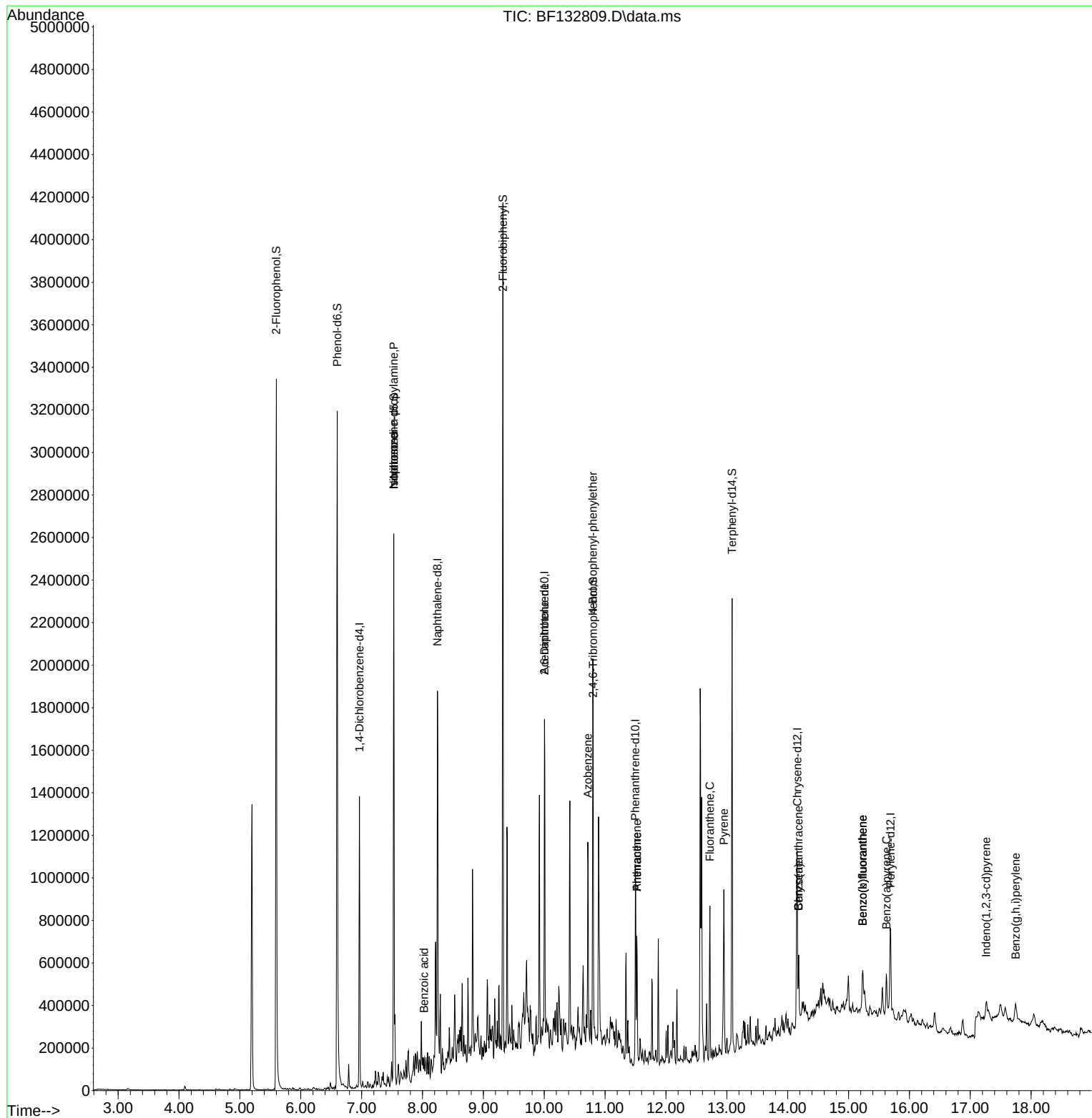
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	189794	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	733544	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	320065	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	349056	20.000	ng	0.00
76) Chrysene-d12	14.157	240	253314	20.000	ng	0.00
86) Perylene-d12	15.692	264	199616	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	1049168	89.717	ng	0.00
7) Phenol-d6	6.598	99	1267997	83.082	ng	0.00
23) Nitrobenzene-d5	7.528	82	779463	50.414	ng	-0.01
42) 2,4,6-Tribromophenol	10.804	330	227637	65.856	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1151782	54.794	ng	0.00
79) Terphenyl-d14	13.086	244	706037	47.124	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.528	70	107470	11.442	ng	# 74
25) Isophorone	7.528	82	777959	26.245	ng	# 67
32) Benzoic acid	8.028	122	436	3.880	ng	# 22
51) 2,6-Dinitrotoluene	10.004	165	48322	9.105	ng	# 23
63) Azobenzene	10.716	77	156203	6.480	ng	# 1
67) 4-Bromophenyl-phenylether	10.798	248	14849	3.761	ng	# 1
71) Phenanthrene	11.522	178	207315	11.465	ng	97
72) Anthracene	11.522	178	207315	11.133	ng	99
75) Fluoranthene	12.722	202	274778	13.900	ng	96
78) Pyrene	12.951	202	298537	12.963	ng	99
81) Benzo(a)anthracene	14.180	228	122407	6.458	ng	93
83) Chrysene	14.180	228	122407	6.906	ng	98
87) Indeno(1,2,3-cd)pyrene	17.262	276	60730	4.643	ng	96
88) Benzo(b)fluoranthene	15.233	252	140374	10.493	ng	# 86
89) Benzo(k)fluoranthene	15.233	252	140374	10.722	ng	# 86
90) Benzo(a)pyrene	15.621	252	81829	6.536	ng	# 93
92) Benzo(g,h,i)perylene	17.745	276	69761	7.212	ng	95

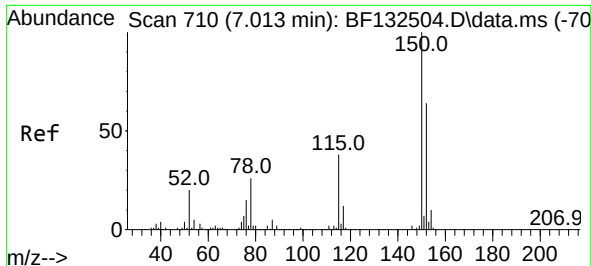
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031523\
Data File : BF132809.D
Acq On : 15 Mar 2023 18:21
Operator : CG\JU
Sample : 01919-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-02-03142023

Quant Time: Mar 16 05:46:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 14 15:35:42 2023
Response via : Initial Calibration

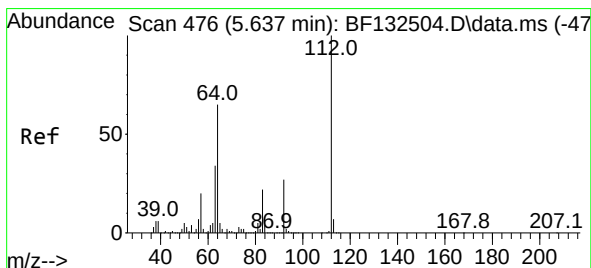
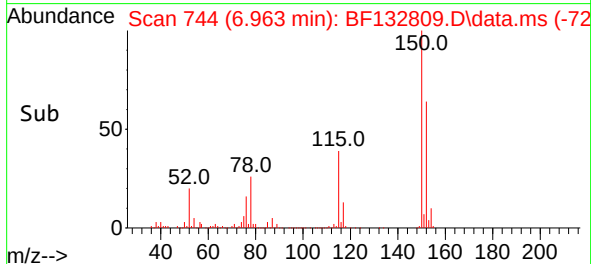
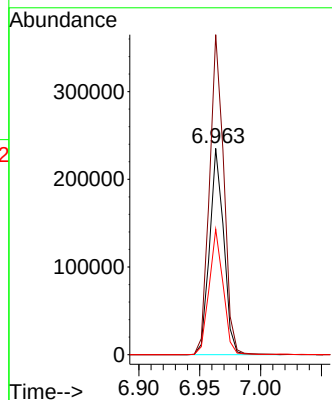
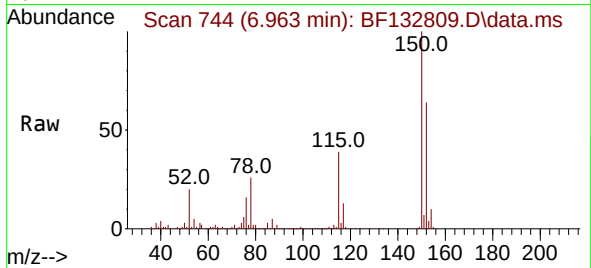




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

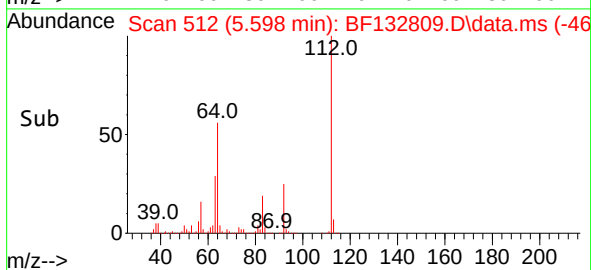
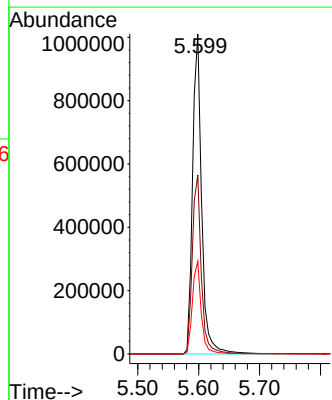
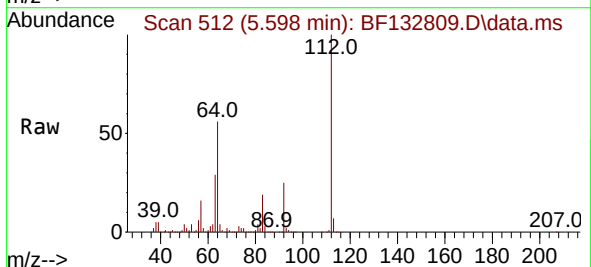
Instrument :
BNA_F
ClientSampleId :
SU-02-03142023

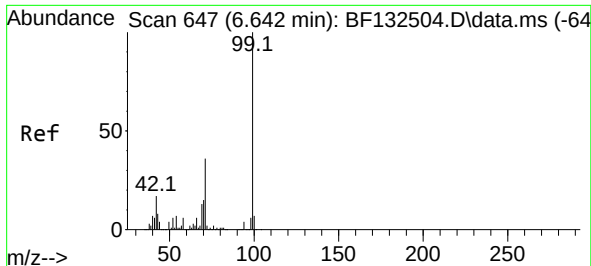
Tgt Ion:152 Resp: 189794
Ion Ratio Lower Upper
152 100
150 155.2 125.4 188.2
115 60.8 47.8 71.6



#5
2-Fluorophenol
Concen: 89.717 ng
RT: 5.598 min Scan# 512
Delta R.T. 0.006 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

Tgt Ion:112 Resp: 1049168
Ion Ratio Lower Upper
112 100
64 56.0 51.6 77.4
63 29.0 27.4 41.2

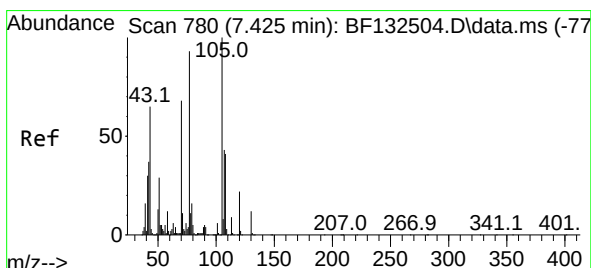
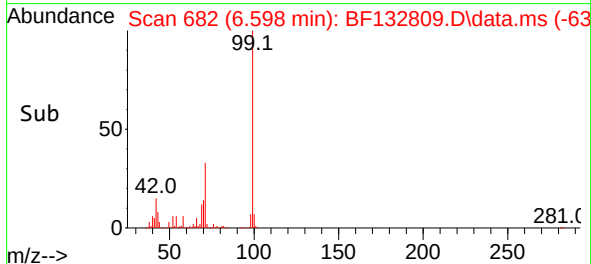
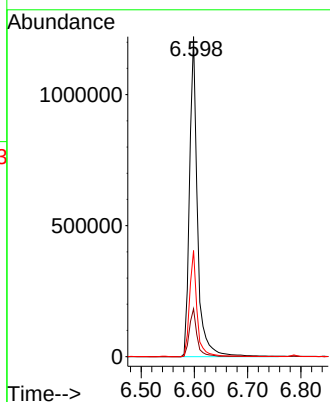
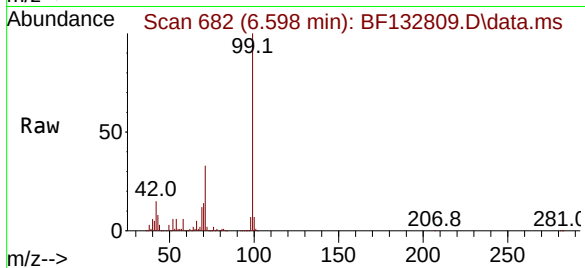




#7
Phenol-d6
Concen: 83.082 ng
RT: 6.598 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

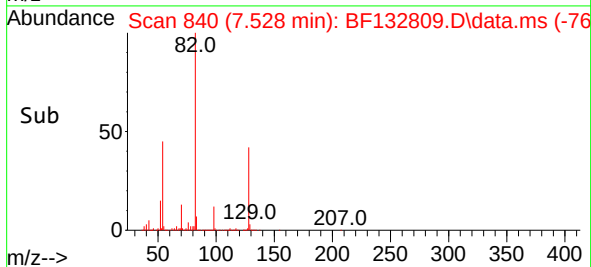
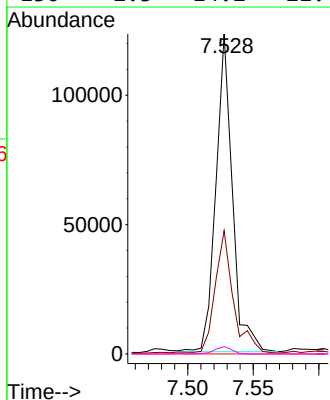
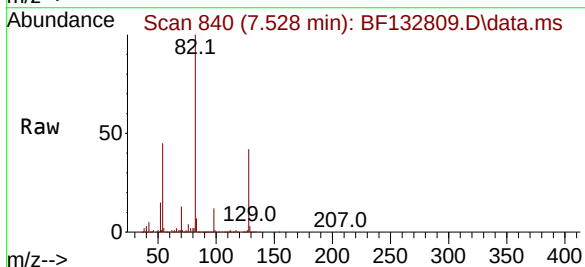
Instrument :
BNA_F
ClientSampleId :
SU-02-03142023

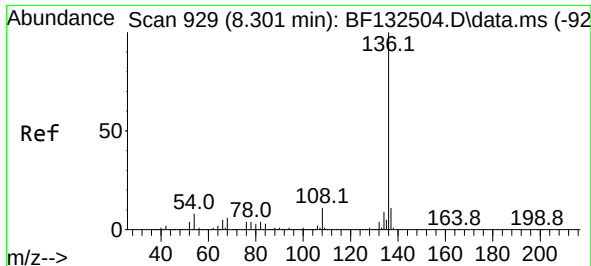
Tgt Ion: 99 Resp: 1267997
Ion Ratio Lower Upper
99 100
42 15.0 13.9 20.9
71 33.1 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.442 ng
RT: 7.528 min Scan# 840
Delta R.T. 0.147 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

Tgt Ion: 70 Resp: 107470
Ion Ratio Lower Upper
70 100
42 38.5 44.1 66.1#
101 0.0 7.4 11.2#
130 2.3 14.2 21.4#



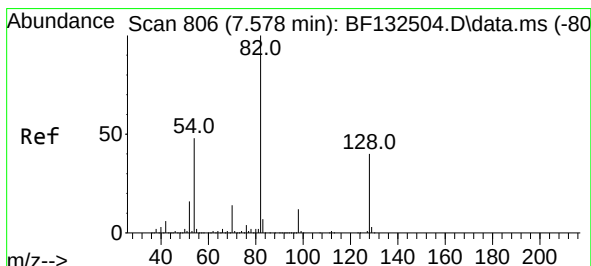
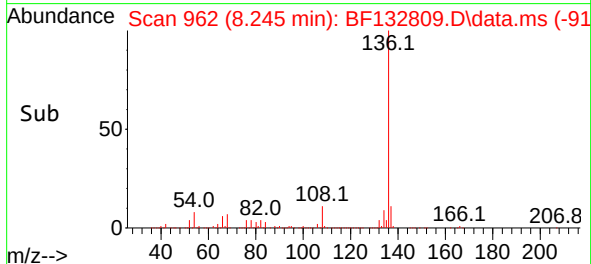
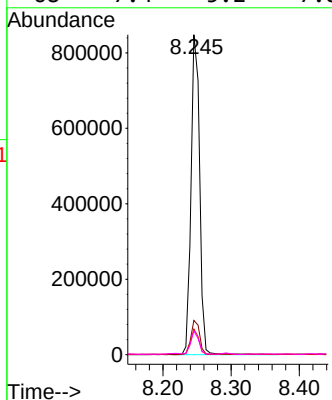
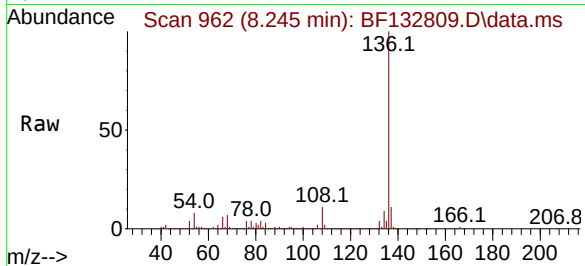


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

Instrument :
BNA_F
ClientSampleId :
SU-02-03142023

Tgt Ion:136 Resp: 733544

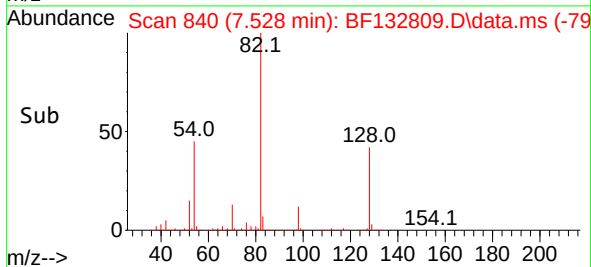
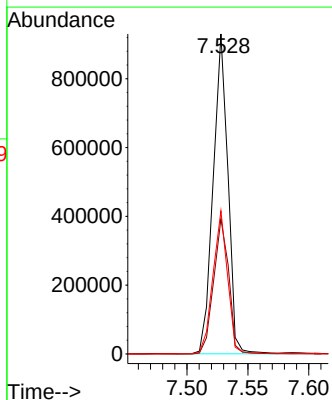
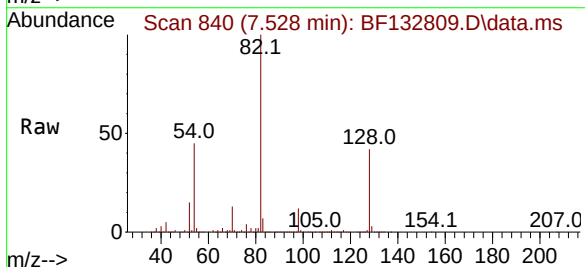
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	8.0	6.2	9.4
68	7.4	5.2	7.8

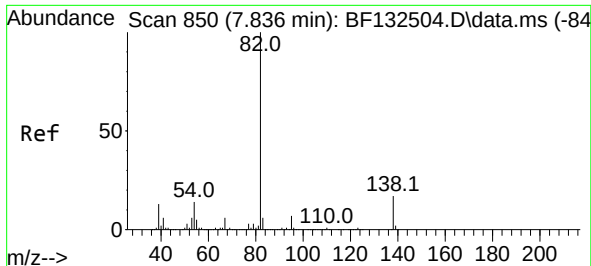


#23
Nitrobenzene-d5
Concen: 50.414 ng
RT: 7.528 min Scan# 840
Delta R.T. -0.012 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

Tgt Ion: 82 Resp: 779463

Ion	Ratio	Lower	Upper
82	100		
128	42.2	32.2	48.2
54	44.7	38.4	57.6

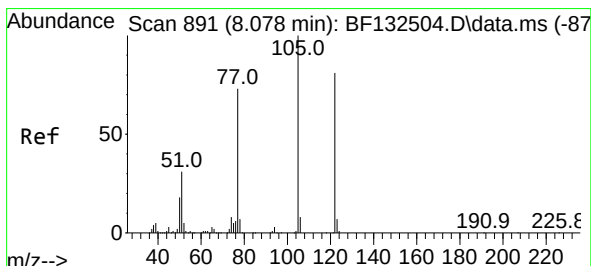
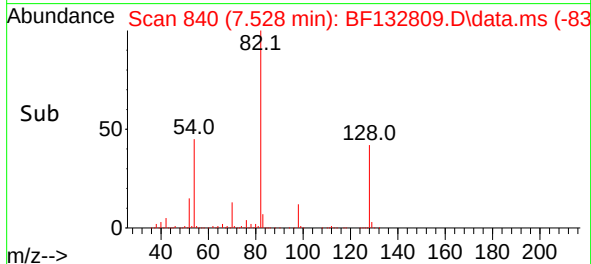
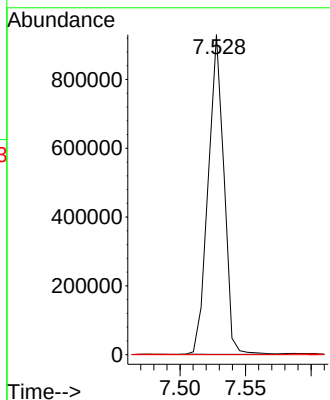
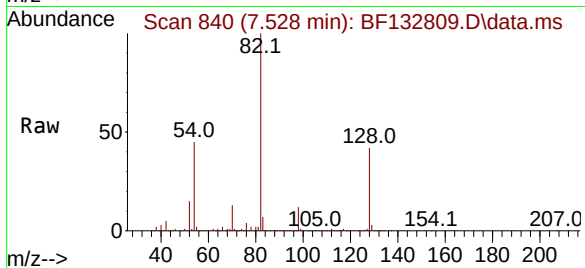




#25
Isophorone
Concen: 26.245 ng
RT: 7.528 min Scan# 84
Delta R.T. -0.265 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

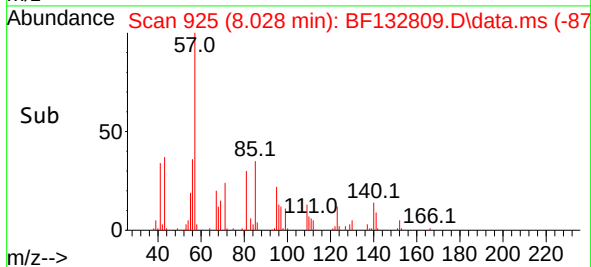
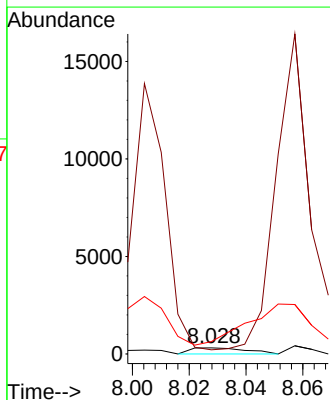
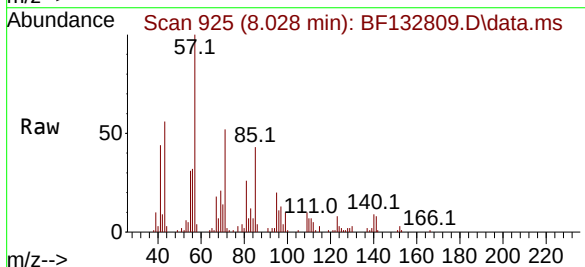
Instrument :
BNA_F
ClientSampleId :
SU-02-03142023

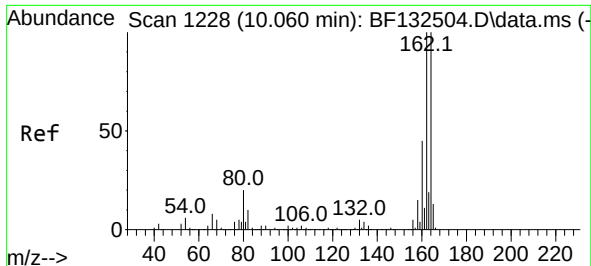
Tgt Ion: 82 Resp: 777959
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.880 ng
RT: 8.028 min Scan# 925
Delta R.T. -0.006 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

Tgt Ion:122 Resp: 436
Ion Ratio Lower Upper
122 100
105 66.7 102.6 142.6#
77 199.7 70.2 110.2#

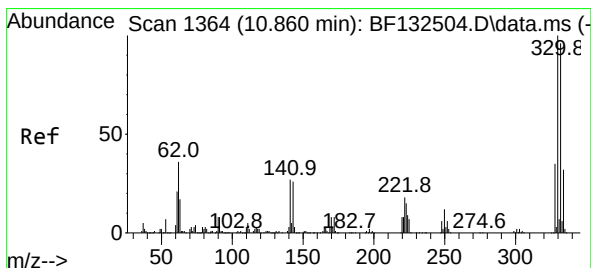
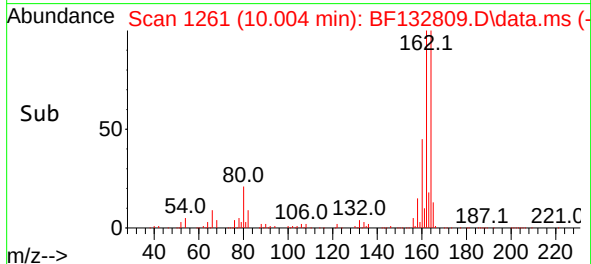
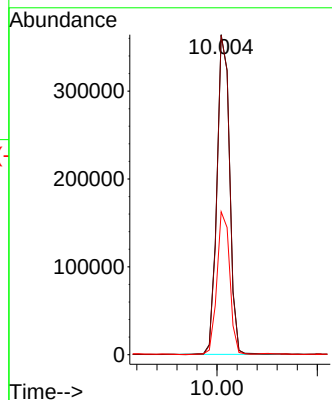
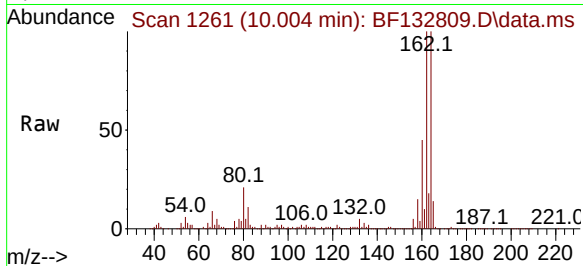




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

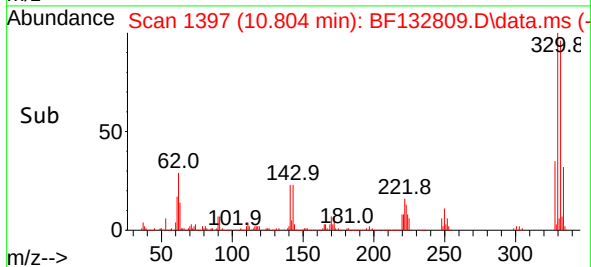
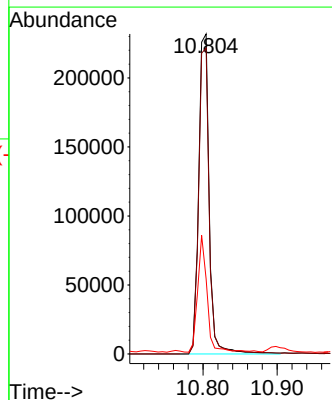
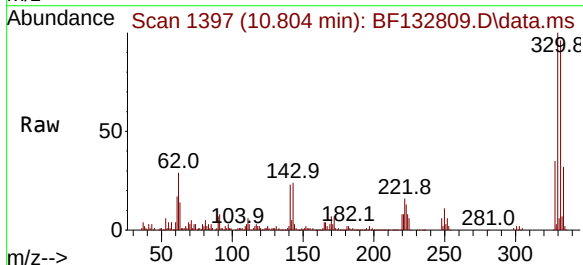
Instrument :
BNA_F
ClientSampleId :
SU-02-03142023

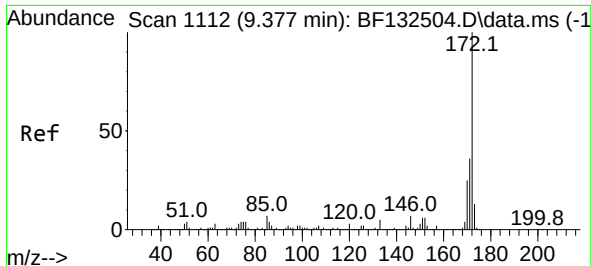
Tgt Ion:164 Resp: 320065
Ion Ratio Lower Upper
164 100
162 99.7 79.8 119.8
160 44.7 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 65.856 ng
RT: 10.804 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

Tgt Ion:330 Resp: 227637
Ion Ratio Lower Upper
330 100
332 95.6 76.2 114.4
141 32.6 28.4 42.6

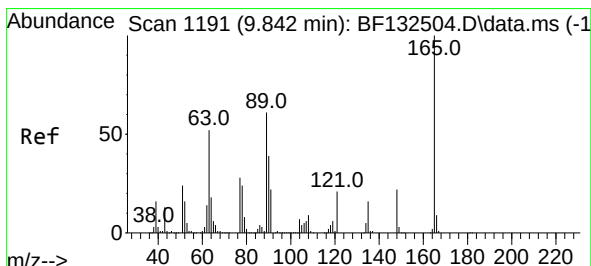
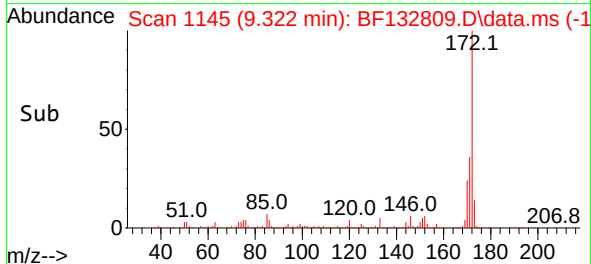
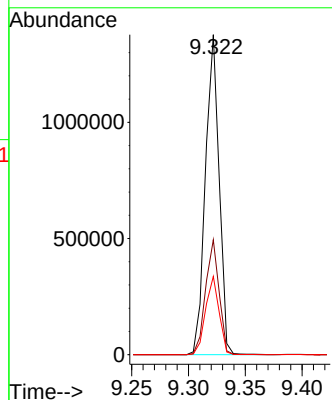
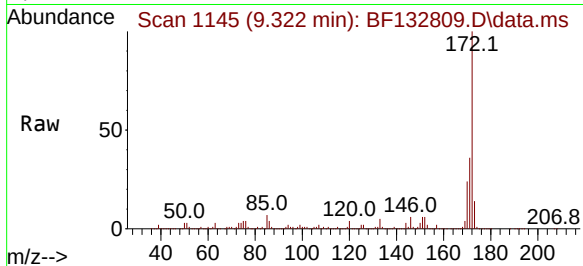




#45
2-Fluorobiphenyl
Concen: 54.794 ng
RT: 9.322 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

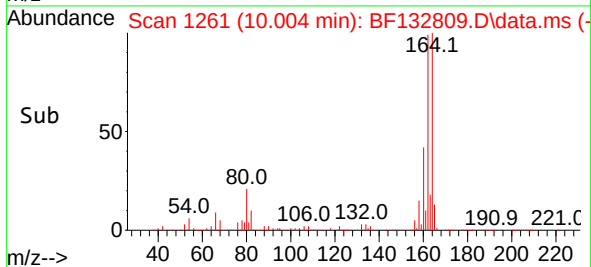
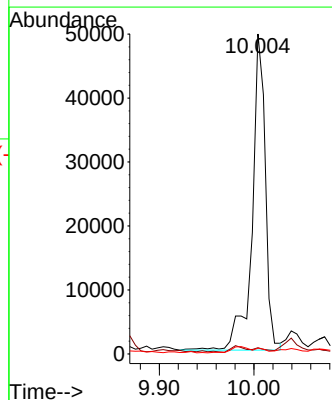
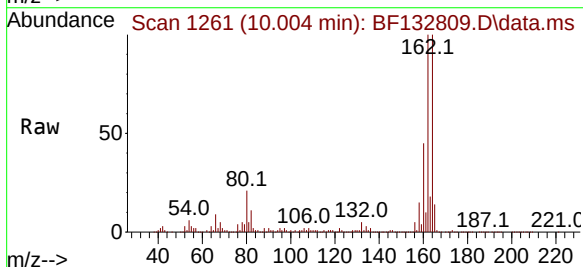
Instrument :
BNA_F
ClientSampleId :
SU-02-03142023

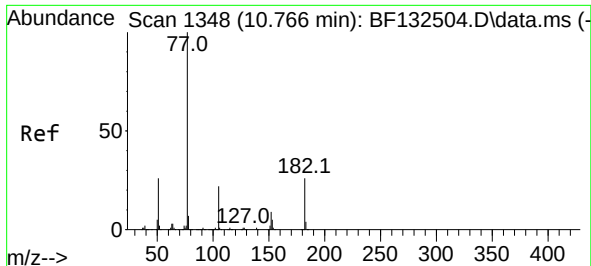
Tgt Ion:172 Resp: 1151782
Ion Ratio Lower Upper
172 100
171 35.9 28.8 43.2
170 24.5 19.7 29.5



#51
2,6-Dinitrotoluene
Concen: 9.105 ng
RT: 10.004 min Scan# 1261
Delta R.T. 0.206 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

Tgt Ion:165 Resp: 48322
Ion Ratio Lower Upper
165 100
63 2.0 47.3 70.9#
89 1.8 48.9 73.3#

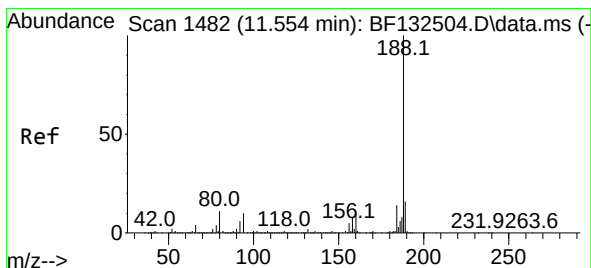
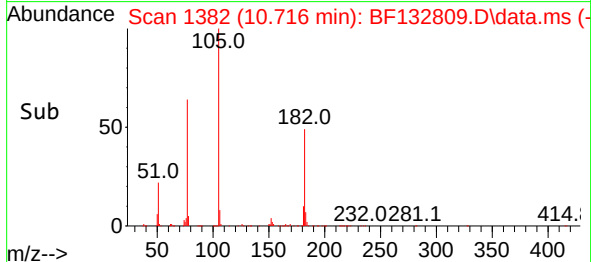
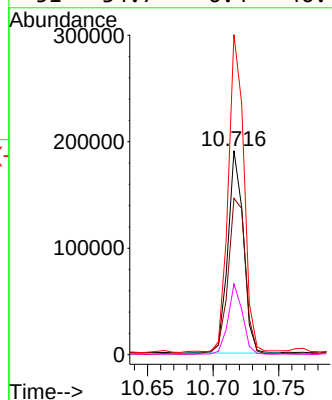
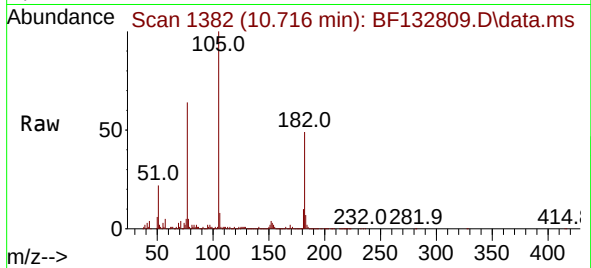




#63
Azobenzene
Concen: 6.480 ng
RT: 10.716 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

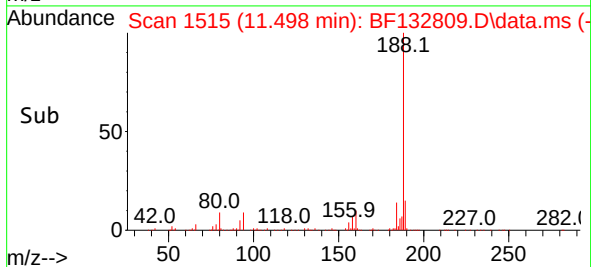
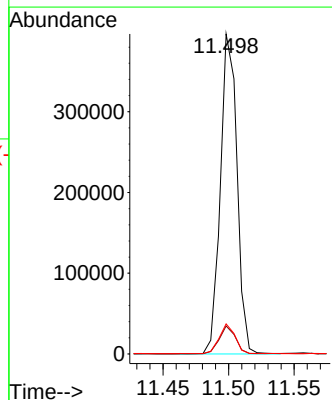
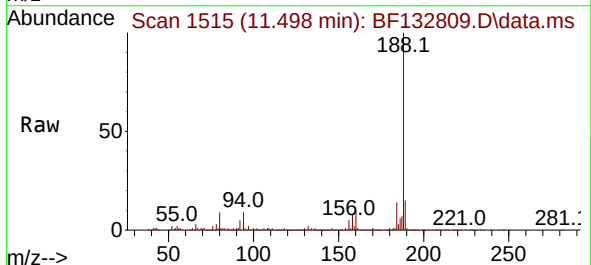
Instrument :
BNA_F
ClientSampleId :
SU-02-03142023

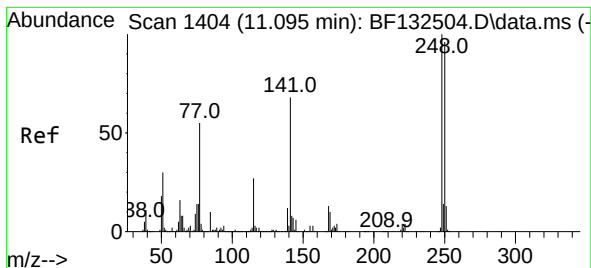
Tgt Ion: 77 Resp: 156203
Ion Ratio Lower Upper
77 100
182 76.7 5.5 45.5#
105 156.8 1.8 41.8#
51 34.7 6.4 46.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

Tgt Ion: 188 Resp: 349056
Ion Ratio Lower Upper
188 100
94 8.8 8.3 12.5
80 9.4 8.7 13.1

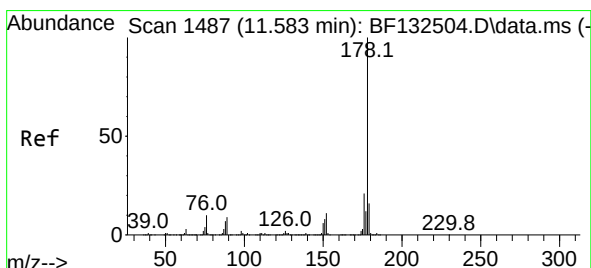
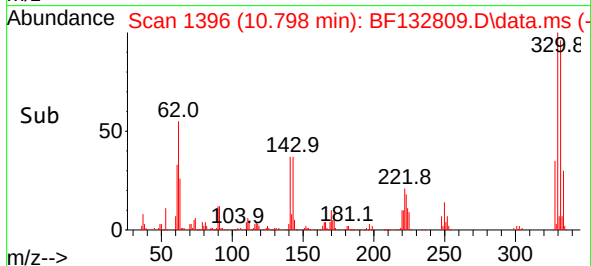
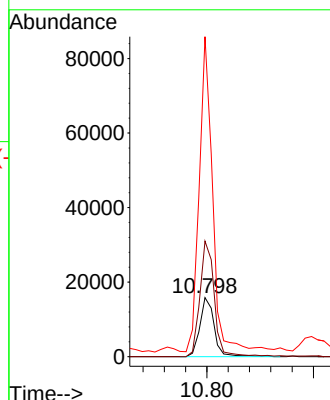
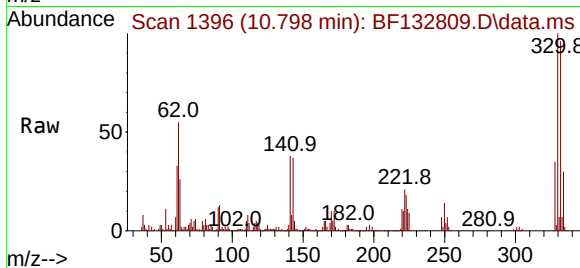




#67
4-Bromophenyl-phenylether
Concen: 3.761 ng
RT: 10.798 min Scan# 11
Delta R.T. -0.247 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

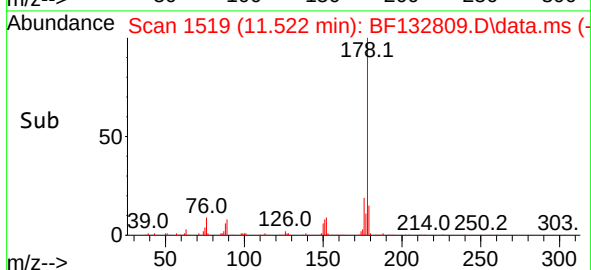
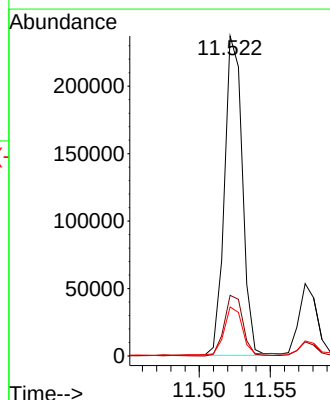
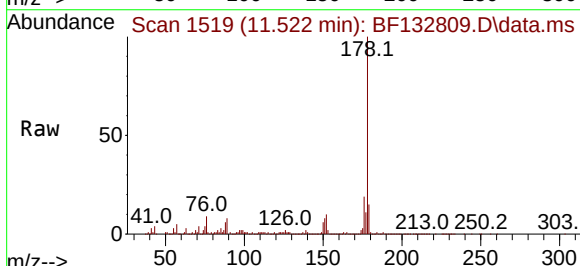
Instrument :
BNA_F
ClientSampleId :
SU-02-03142023

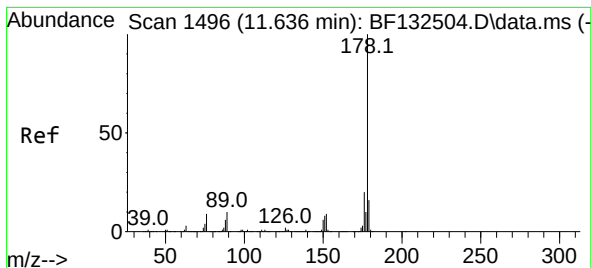
Tgt Ion:248 Resp: 14849
Ion Ratio Lower Upper
248 100
250 195.6 77.0 115.4#
141 541.8 54.2 81.2#



#71
Phenanthrene
Concen: 11.465 ng
RT: 11.522 min Scan# 1519
Delta R.T. -0.012 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

Tgt Ion:178 Resp: 207315
Ion Ratio Lower Upper
178 100
176 19.0 16.5 24.7
179 15.3 13.0 19.6





#72

Anthracene

Concen: 11.133 ng

RT: 11.522 min Scan# 1

Delta R.T. -0.065 min

Lab File: BF132809.D

Acq: 15 Mar 2023 18:21

Instrument :

BNA_F

ClientSampleId :

SU-02-03142023

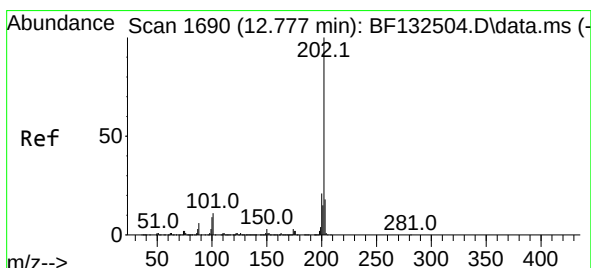
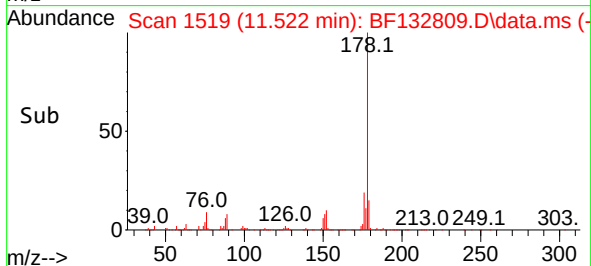
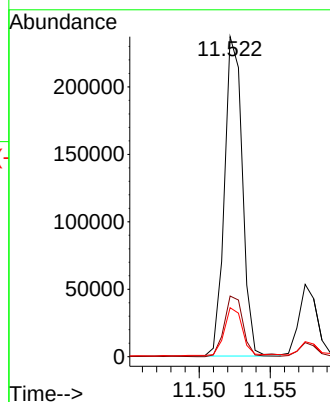
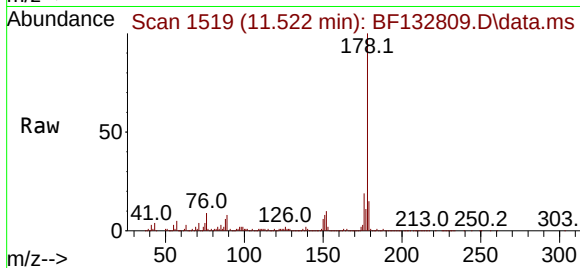
Tgt Ion:178 Resp: 207315

Ion Ratio Lower Upper

178 100

176 19.0 15.6 23.4

179 15.3 12.5 18.7



#75

Fluoranthene

Concen: 13.900 ng

RT: 12.722 min Scan# 1723

Delta R.T. -0.006 min

Lab File: BF132809.D

Acq: 15 Mar 2023 18:21

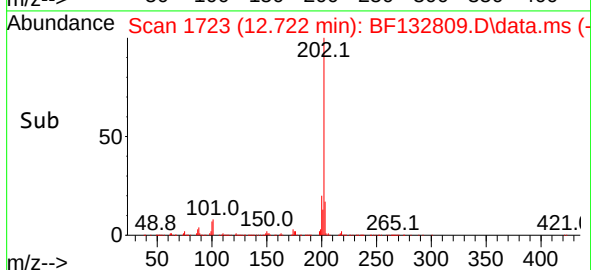
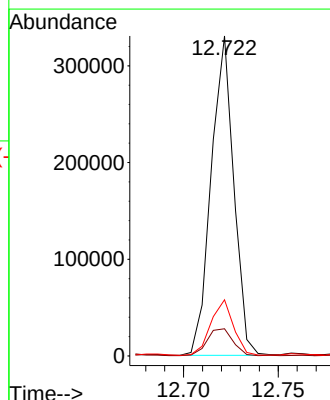
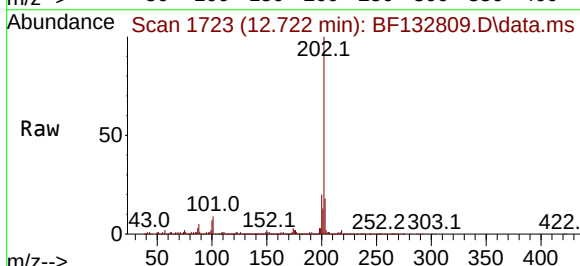
Tgt Ion:202 Resp: 274778

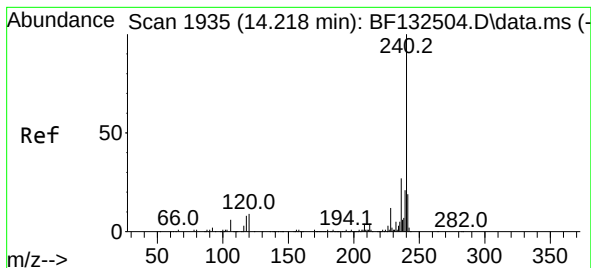
Ion Ratio Lower Upper

202 100

101 8.5 0.0 31.4

203 17.5 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.157 min Scan# 1935

Delta R.T. -0.006 min

Lab File: BF132809.D

Acq: 15 Mar 2023 18:21

Instrument :

BNA_F

ClientSampleId :

SU-02-03142023

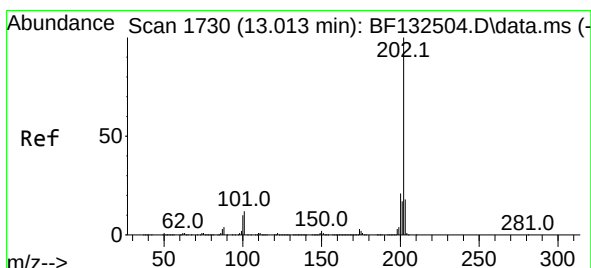
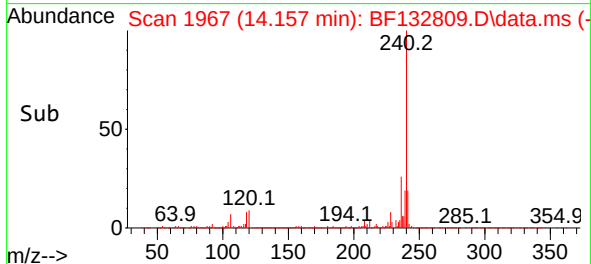
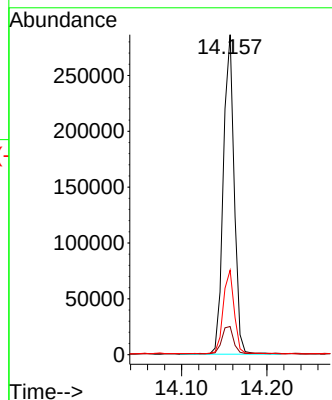
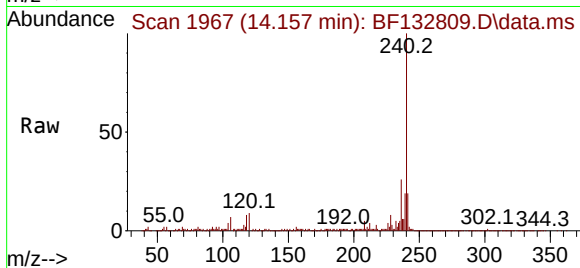
Tgt Ion:240 Resp: 253314

Ion Ratio Lower Upper

240 100

120 8.8 7.2 10.8

236 26.4 21.8 32.6



#78

Pyrene

Concen: 12.963 ng

RT: 12.951 min Scan# 1762

Delta R.T. -0.006 min

Lab File: BF132809.D

Acq: 15 Mar 2023 18:21

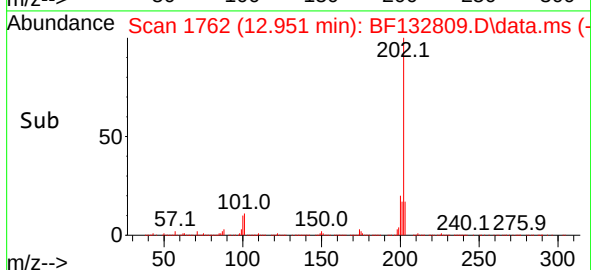
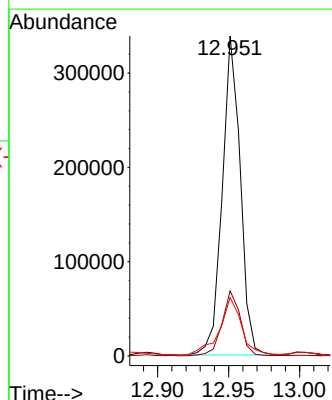
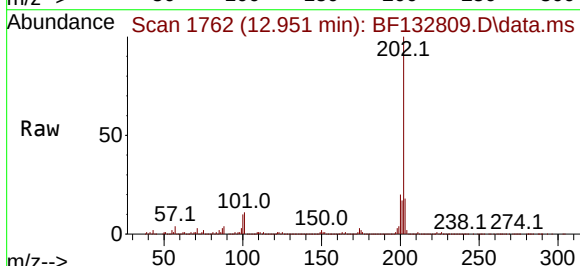
Tgt Ion:202 Resp: 298537

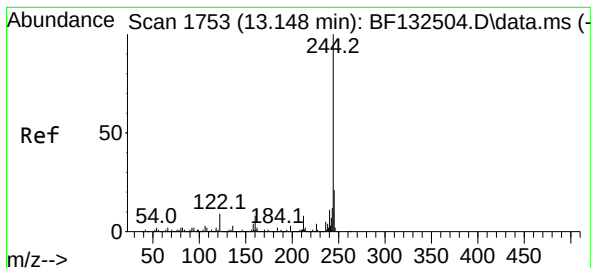
Ion Ratio Lower Upper

202 100

200 20.4 17.1 25.7

203 18.2 14.6 21.8





#79

Terphenyl-d14

Concen: 47.124 ng

RT: 13.086 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132809.D

Acq: 15 Mar 2023 18:21

Instrument :

BNA_F

ClientSampleId :

SU-02-03142023

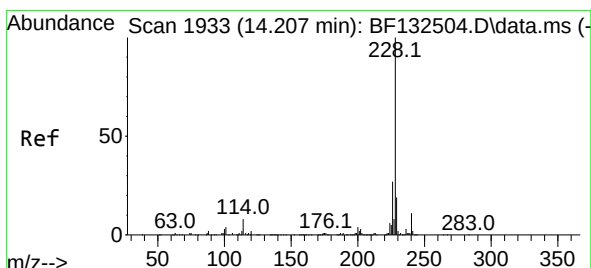
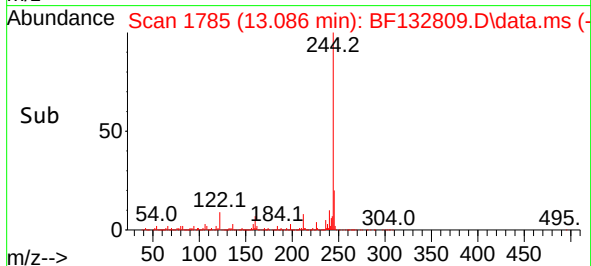
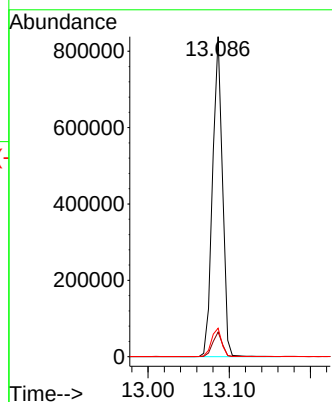
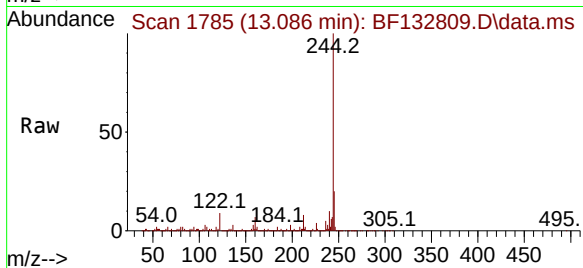
Tgt Ion:244 Resp: 706037

Ion Ratio Lower Upper

244 100

212 7.7 6.5 9.7

122 8.9 7.5 11.3



#81

Benzo(a)anthracene

Concen: 6.458 ng

RT: 14.180 min Scan# 1971

Delta R.T. 0.029 min

Lab File: BF132809.D

Acq: 15 Mar 2023 18:21

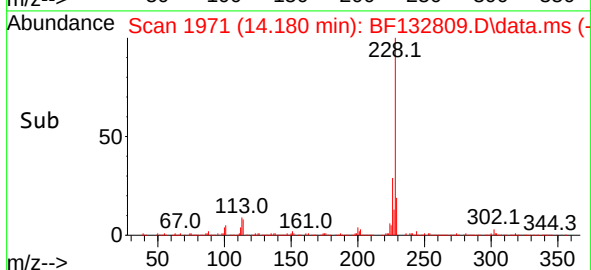
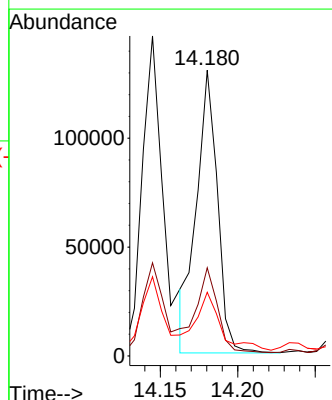
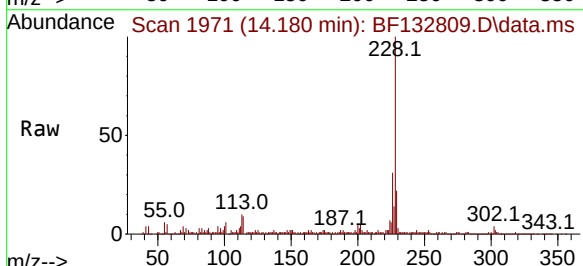
Tgt Ion:228 Resp: 122407

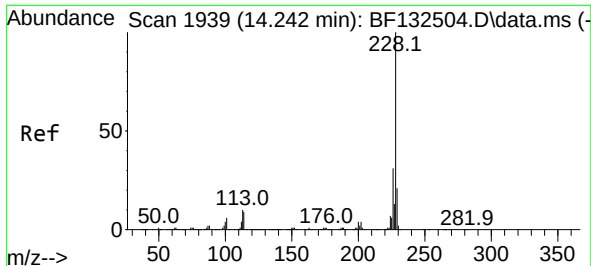
Ion Ratio Lower Upper

228 100

226 30.9 21.7 32.5

229 22.3 15.4 23.2

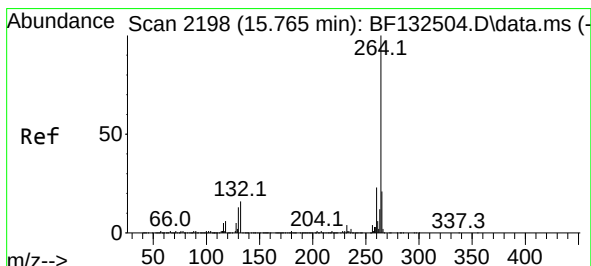
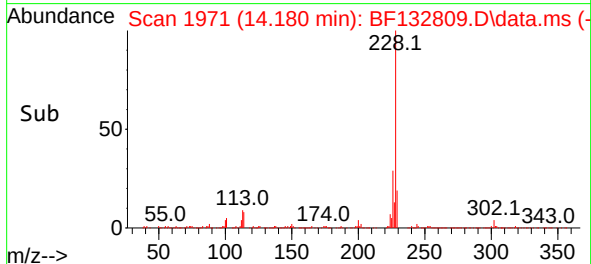
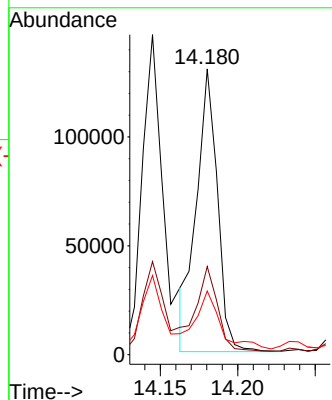
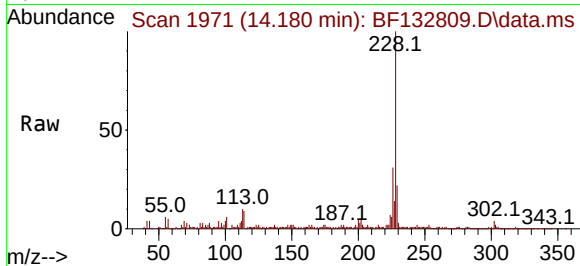




#83
Chrysene
Concen: 6.906 ng
RT: 14.180 min Scan# 1939
Delta R.T. -0.012 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

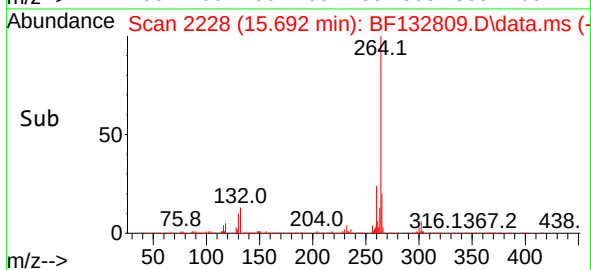
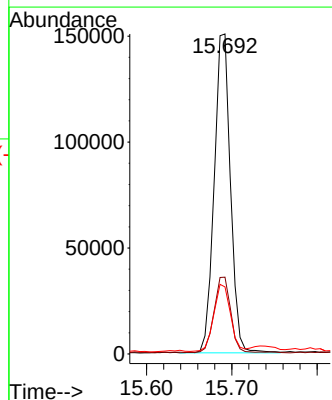
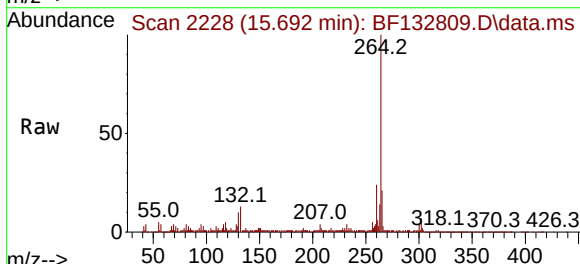
Instrument :
BNA_F
ClientSampleId :
SU-02-03142023

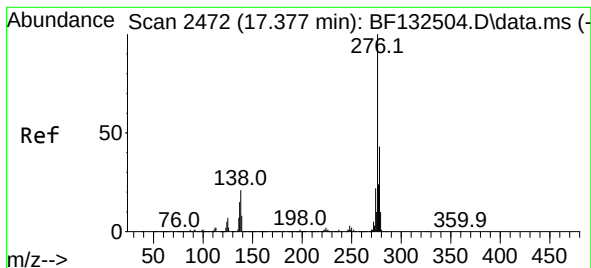
Tgt Ion:228 Resp: 122407
Ion Ratio Lower Upper
228 100
226 30.9 25.0 37.6
229 22.3 16.4 24.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.692 min Scan# 2228
Delta R.T. 0.000 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

Tgt Ion:264 Resp: 199616
Ion Ratio Lower Upper
264 100
260 24.0 18.8 28.2
265 21.0 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.643 ng

RT: 17.262 min Scan# 2472

Delta R.T. -0.012 min

Lab File: BF132809.D

Acq: 15 Mar 2023 18:21

Instrument :

BNA_F

ClientSampleId :

SU-02-03142023

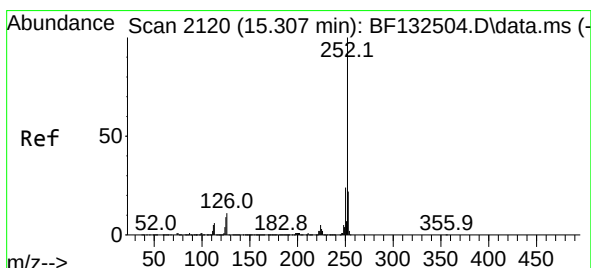
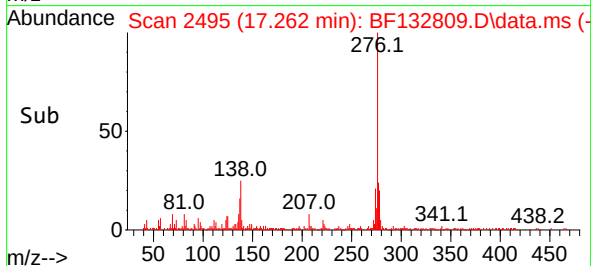
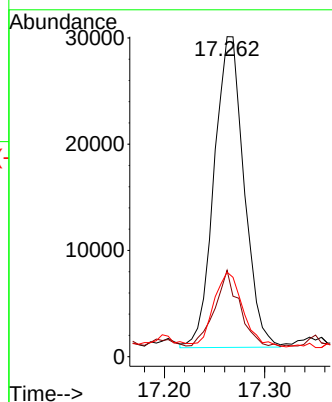
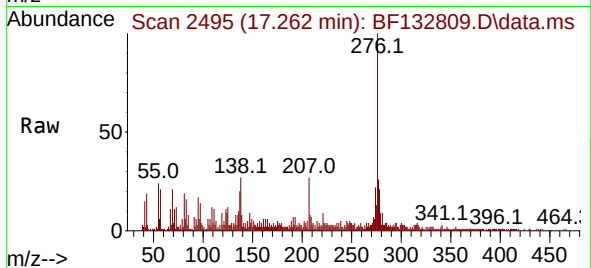
Tgt Ion:276 Resp: 60730

Ion Ratio Lower Upper

276 100

138 21.7 19.0 28.4

277 23.3 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 10.493 ng

RT: 15.233 min Scan# 2150

Delta R.T. 0.000 min

Lab File: BF132809.D

Acq: 15 Mar 2023 18:21

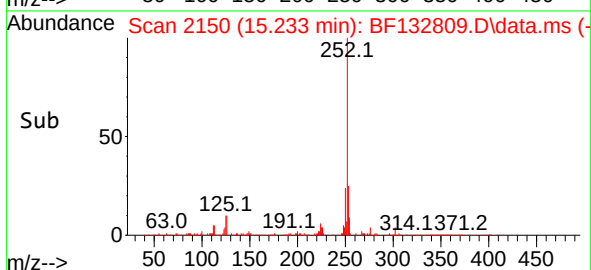
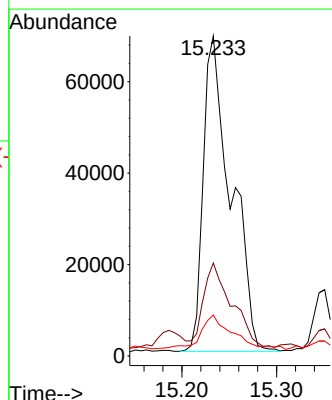
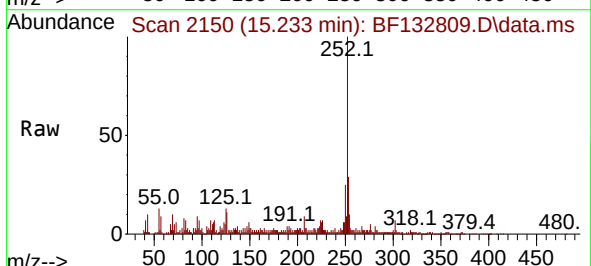
Tgt Ion:252 Resp: 140374

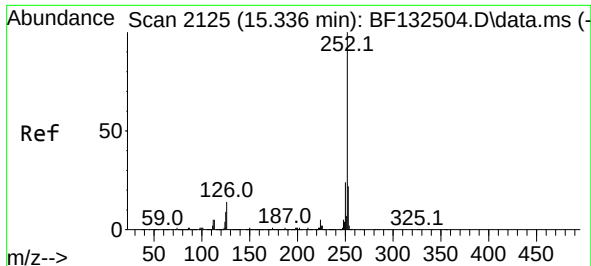
Ion Ratio Lower Upper

252 100

253 29.1 17.4 26.0#

125 12.8 7.0 10.6#

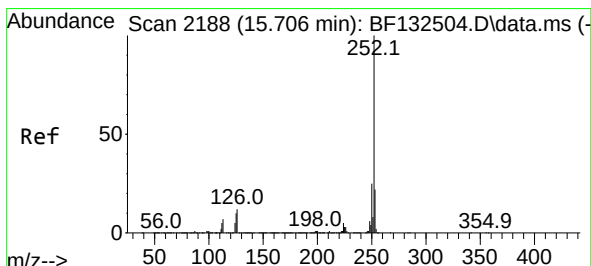
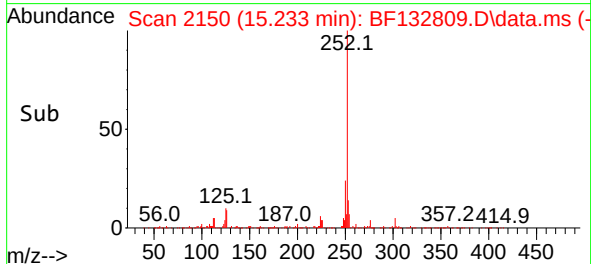
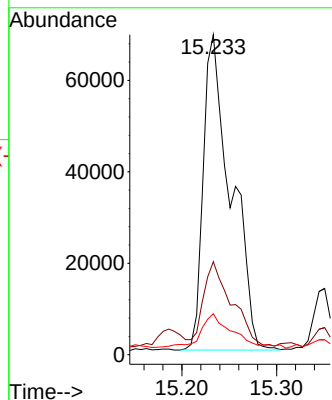
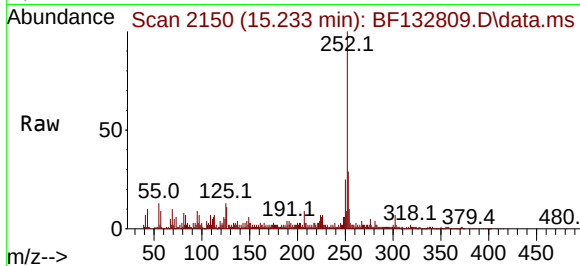




#89
Benzo(k)fluoranthene
Concen: 10.722 ng
RT: 15.233 min Scan# 2115
Delta R.T. -0.035 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

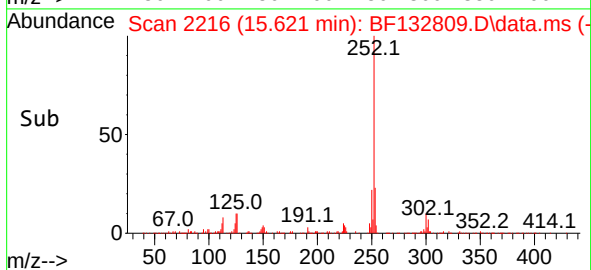
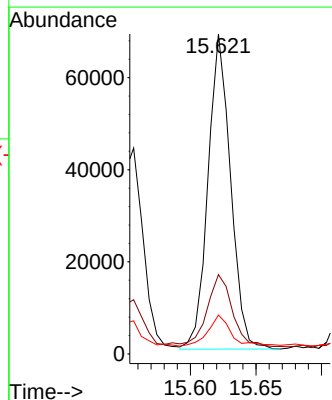
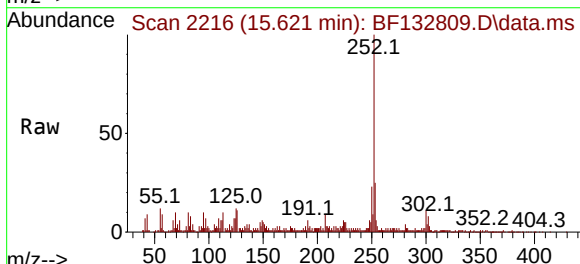
Instrument :
BNA_F
ClientSampleId :
SU-02-03142023

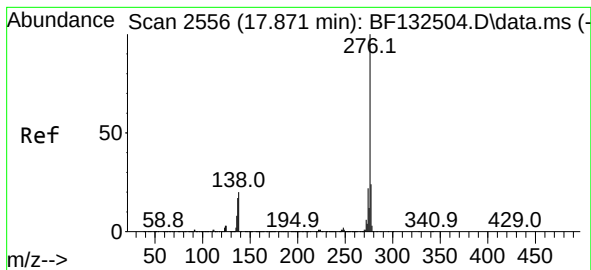
Tgt Ion:252 Resp: 140374
Ion Ratio Lower Upper
252 100
253 29.1 17.5 26.3#
125 12.8 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 6.536 ng
RT: 15.621 min Scan# 2216
Delta R.T. -0.006 min
Lab File: BF132809.D
Acq: 15 Mar 2023 18:21

Tgt Ion:252 Resp: 81829
Ion Ratio Lower Upper
252 100
253 24.8 17.2 25.8
125 12.1 8.0 12.0#





#92

Benzo(g,h,i)perylene

Concen: 7.212 ng

RT: 17.745 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF132809.D

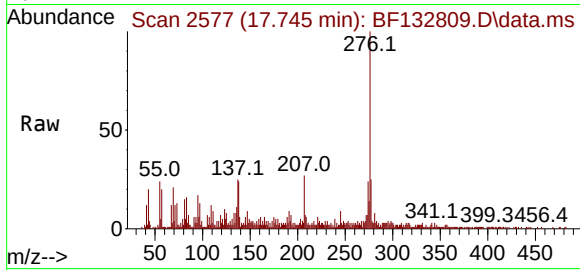
Acq: 15 Mar 2023 18:21

Instrument :

BNA_F

ClientSampleId :

SU-02-03142023



Tgt Ion:276 Resp: 69761

Ion Ratio Lower Upper

276 100

277 24.9 18.9 28.3

138 23.8 16.2 24.4

