

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030623\
 Data File : BF132667.D
 Acq On : 07 Mar 2023 00:57
 Operator : CG\JU
 Sample : 01820-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-3-03032023

Quant Time: Mar 07 03:24:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

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

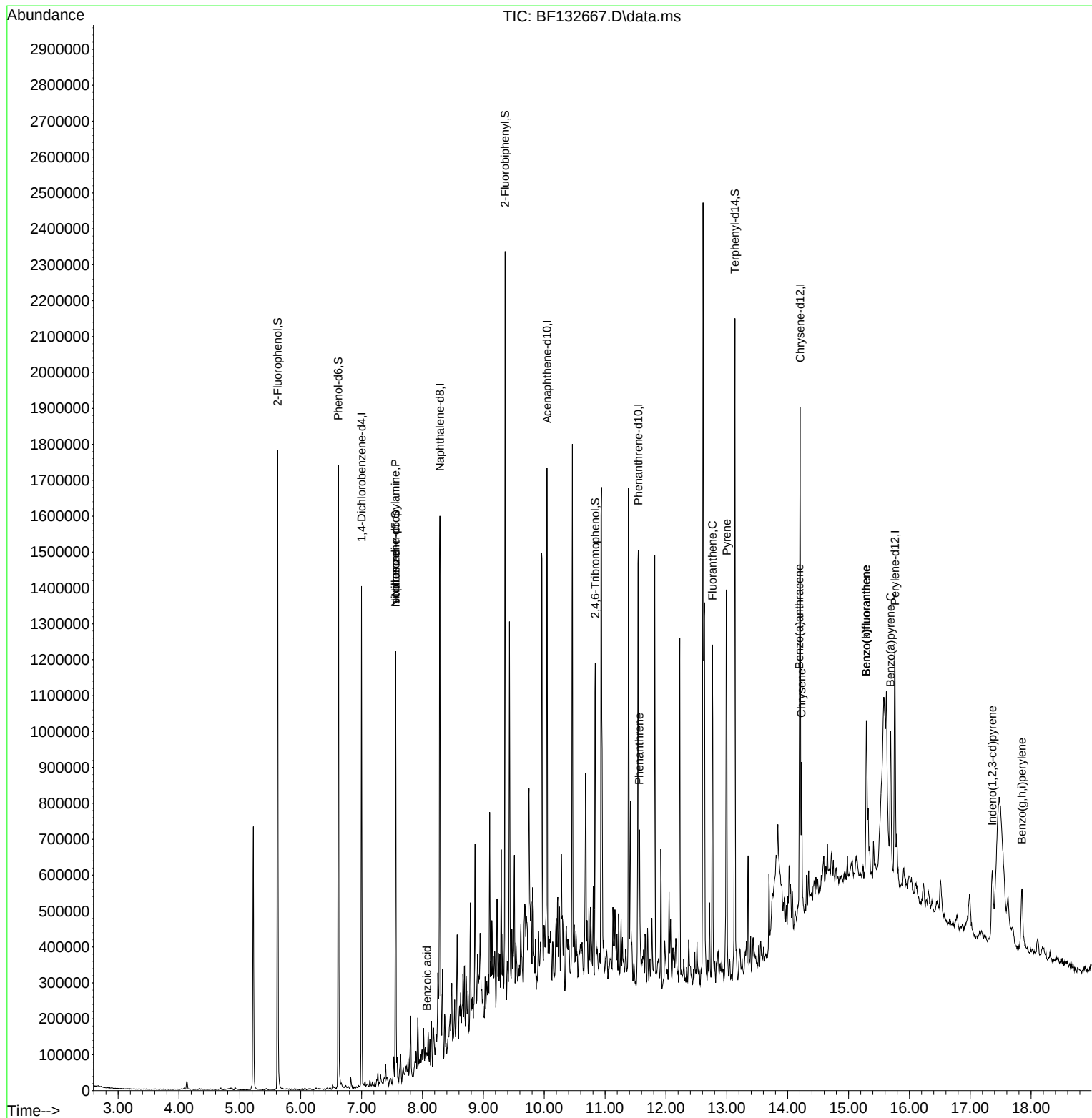
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.998	152	188817	20.000	ng	0.00
21) Naphthalene-d8	8.286	136	608597	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	262782	20.000	ng	0.00
64) Phenanthrene-d10	11.545	188	471987	20.000	ng	0.00
76) Chrysene-d12	14.204	240	420352	20.000	ng	# 0.00
86) Perylene-d12	15.762	264	317708	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.622	112	519291	44.636	ng	0.00
7) Phenol-d6	6.616	99	606938	39.974	ng	-0.02
23) Nitrobenzene-d5	7.557	82	353817	27.582	ng	-0.01
42) 2,4,6-Tribromophenol	10.839	330	108825	38.347	ng	0.00
45) 2-Fluorobiphenyl	9.357	172	549018	31.812	ng	-0.01
79) Terphenyl-d14	13.133	244	629096	25.304	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.557	70	48077	5.145	ng	# 75
25) Isophorone	7.557	82	353218	14.362	ng	# 67
32) Benzoic acid	8.075	122	570	3.906	ng	# 14
71) Phenanthrene	11.563	178	122637	5.016	ng	99
75) Fluoranthene	12.763	202	339415	12.698	ng	99
78) Pyrene	12.998	202	357101	9.344	ng	98
81) Benzo(a)anthracene	14.192	228	179550	5.709	ng	94
83) Chrysene	14.227	228	176982	6.018	ng	96
87) Indeno(1,2,3-cd)pyrene	17.362	276	133639	6.420	ng	97
88) Benzo(b)fluoranthene	15.292	252	348030	16.346	ng	# 92
89) Benzo(k)fluoranthene	15.292	252	348030	16.702	ng	# 93
90) Benzo(a)pyrene	15.692	252	191492	9.610	ng	97
92) Benzo(g,h,i)perylene	17.850	276	141084	8.727	ng	99

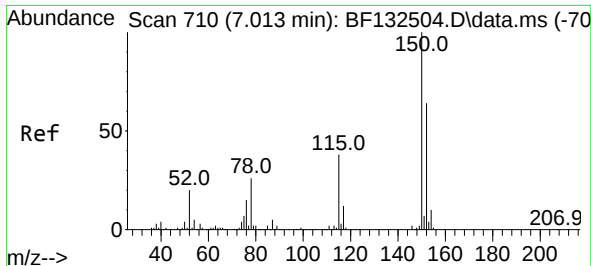
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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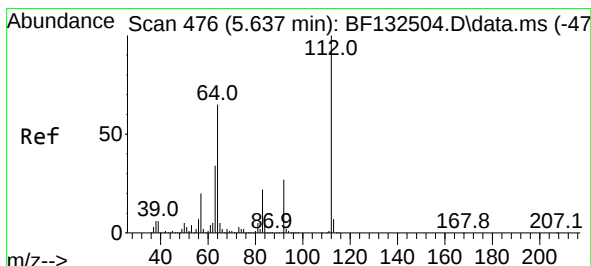
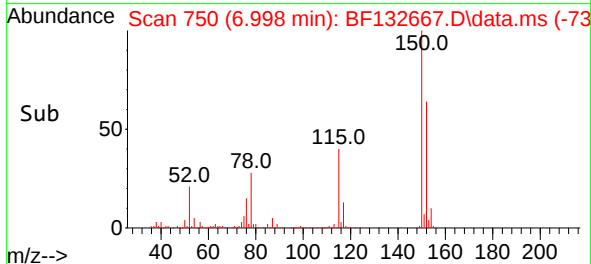
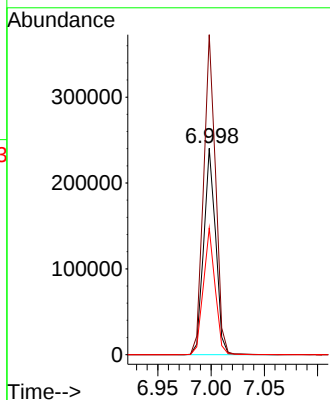
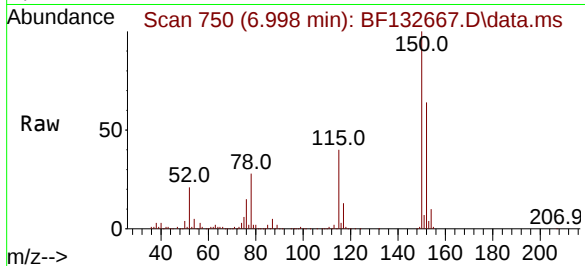




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

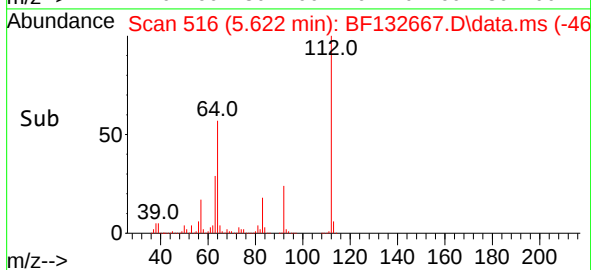
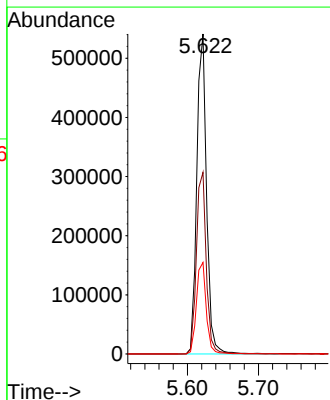
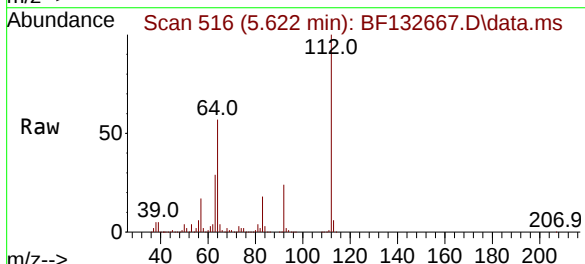
Instrument :
BNA_F
ClientSampleId :
HR-3-03032023

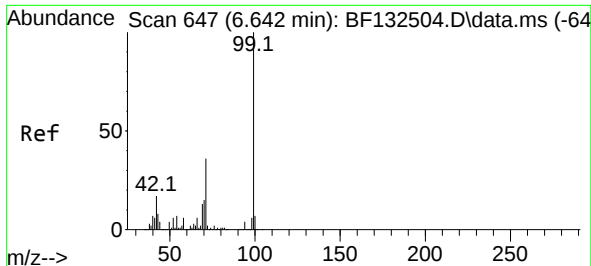
Tgt Ion:152 Resp: 188817
Ion Ratio Lower Upper
152 100
150 155.1 125.4 188.2
115 61.4 47.8 71.6



#5
2-Fluorophenol
Concen: 44.636 ng
RT: 5.622 min Scan# 516
Delta R.T. -0.009 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

Tgt Ion:112 Resp: 519291
Ion Ratio Lower Upper
112 100
64 56.8 51.6 77.4
63 28.6 27.4 41.2

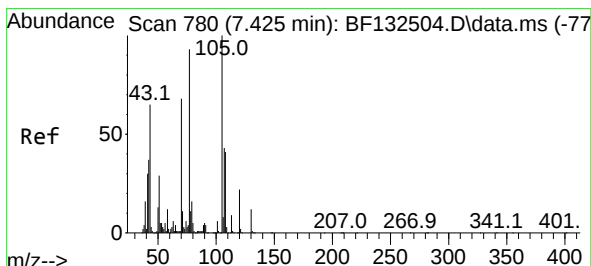
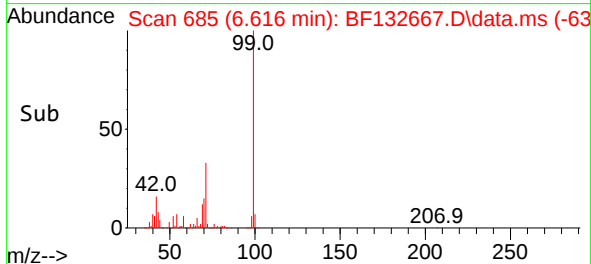
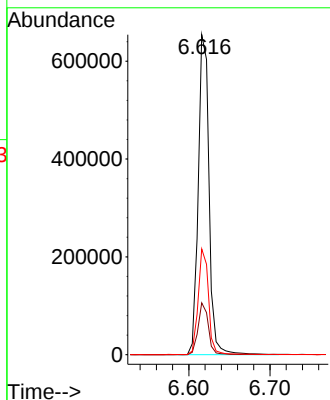
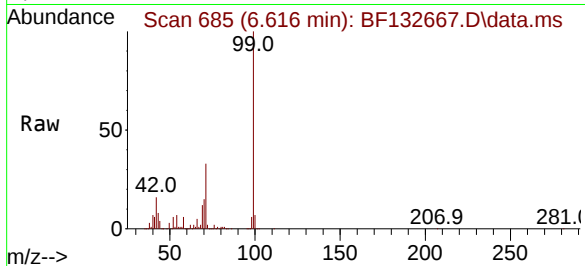




#7
Phenol-d6
Concen: 39.974 ng
RT: 6.616 min Scan# 61
Delta R.T. -0.021 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

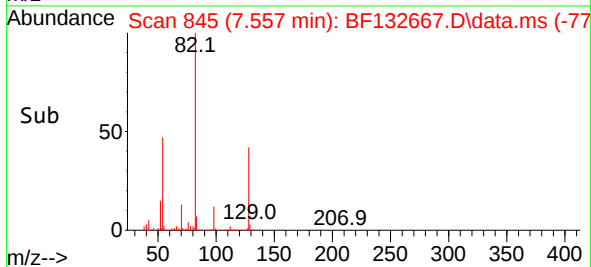
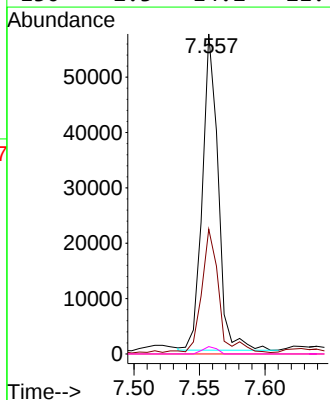
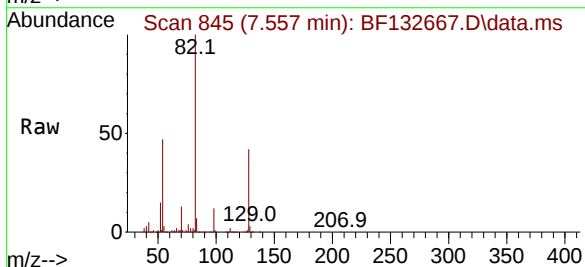
Instrument :
BNA_F
ClientSampleId :
HR-3-03032023

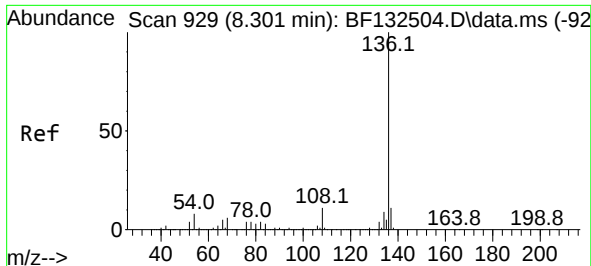
Tgt Ion: 99 Resp: 606938
Ion Ratio Lower Upper
99 100
42 16.2 13.9 20.9
71 33.0 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 5.145 ng
RT: 7.557 min Scan# 845
Delta R.T. 0.138 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

Tgt Ion: 70 Resp: 48077
Ion Ratio Lower Upper
70 100
42 39.0 44.1 66.1#
101 0.0 7.4 11.2#
130 2.3 14.2 21.4#



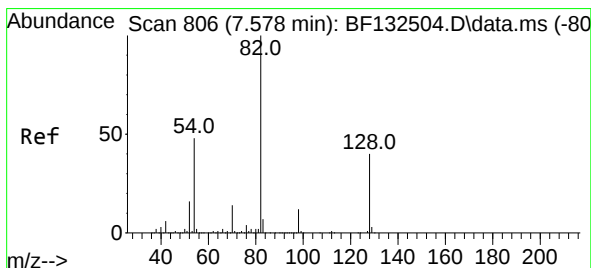
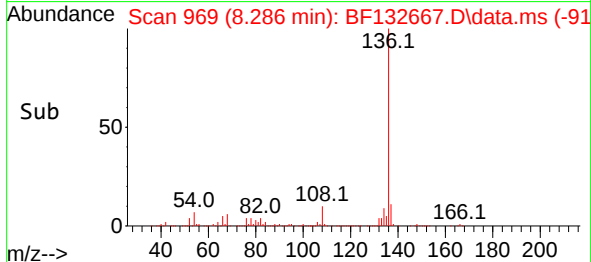
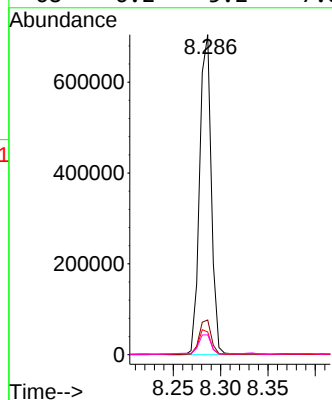
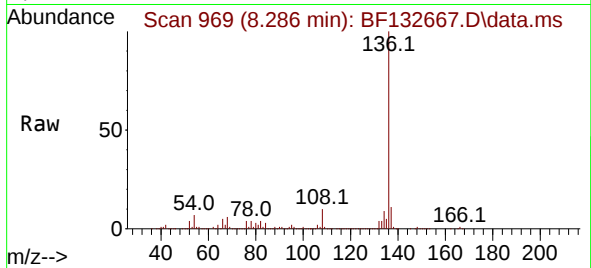


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.286 min Scan# 910
Delta R.T. -0.003 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

Instrument :
BNA_F
ClientSampleId :
HR-3-03032023

Tgt Ion:136 Resp: 608597

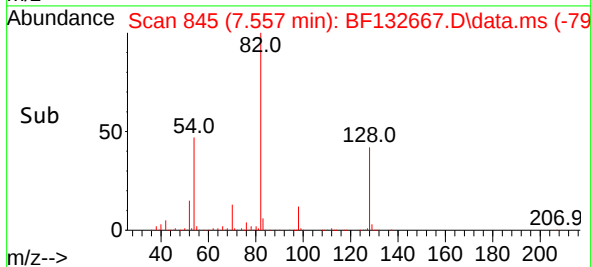
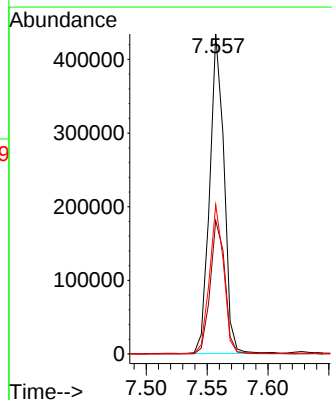
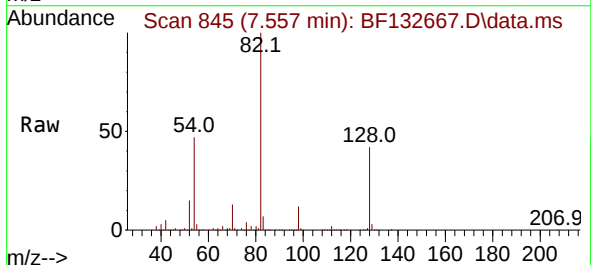
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.1	6.2	9.4
68	6.2	5.2	7.8

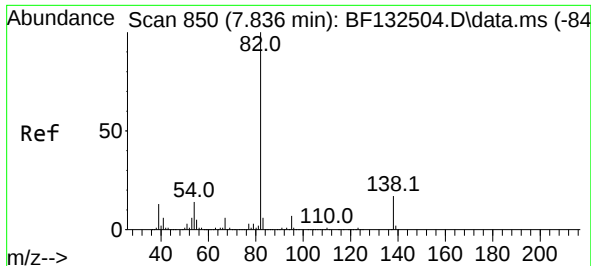


#23
Nitrobenzene-d5
Concen: 27.582 ng
RT: 7.557 min Scan# 845
Delta R.T. -0.015 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

Tgt Ion: 82 Resp: 353817

Ion	Ratio	Lower	Upper
82	100		
128	41.6	32.2	48.2
54	46.6	38.4	57.6

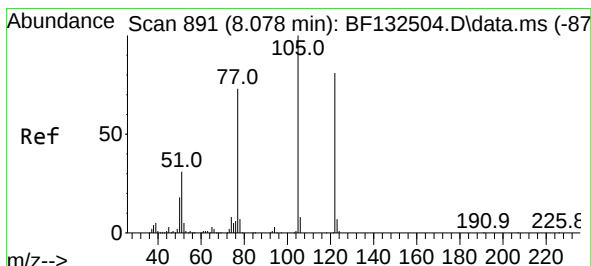
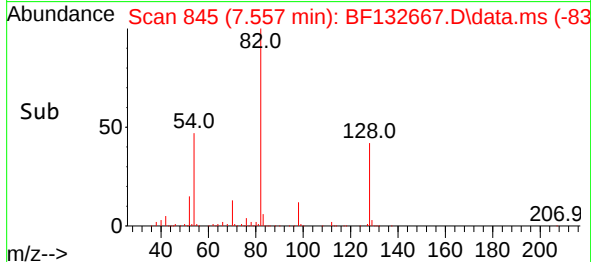
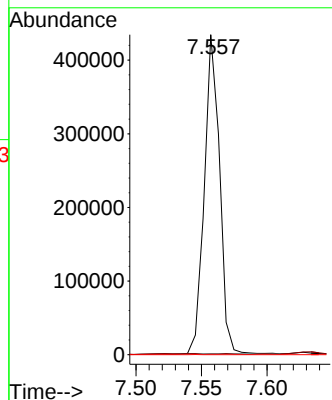
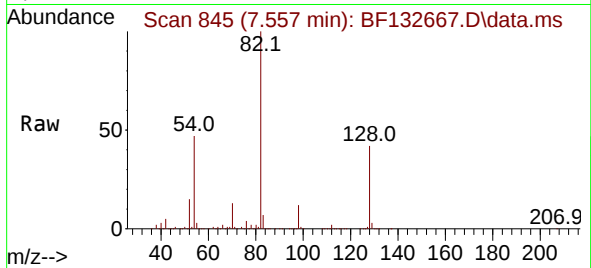




#25
Isophorone
Concen: 14.362 ng
RT: 7.557 min Scan# 84
Delta R.T. -0.268 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

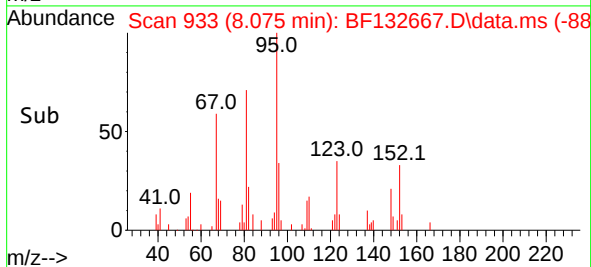
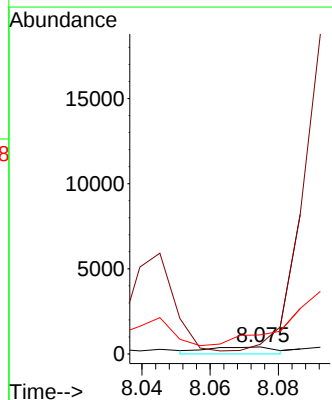
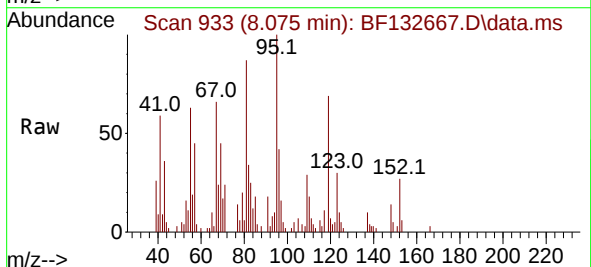
Instrument :
BNA_F
ClientSampleId :
HR-3-03032023

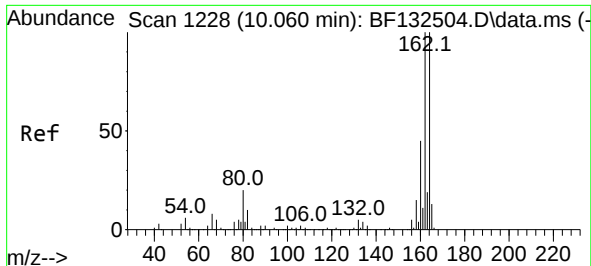
Tgt Ion: 82 Resp: 353218
Ion Ratio Lower Upper
82 100
95 0.3 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.906 ng
RT: 8.075 min Scan# 933
Delta R.T. 0.009 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

Tgt Ion: 122 Resp: 570
Ion Ratio Lower Upper
122 100
105 135.3 102.6 142.6
77 267.4 70.2 110.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.045 min Scan# 1

Delta R.T. -0.009 min

Lab File: BF132667.D

Acq: 07 Mar 2023 00:57

Instrument :

BNA_F

ClientSampleId :

HR-3-03032023

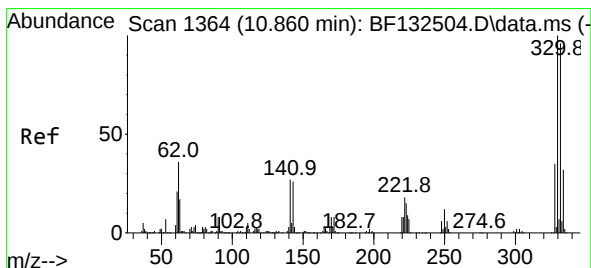
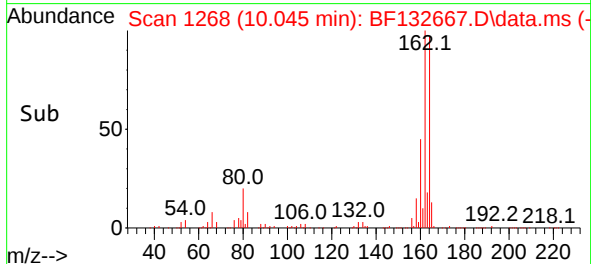
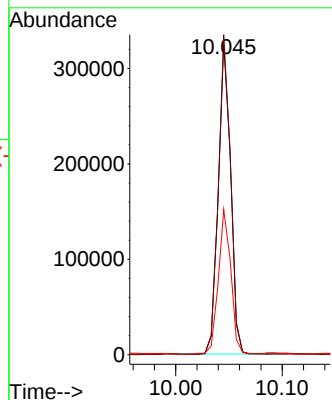
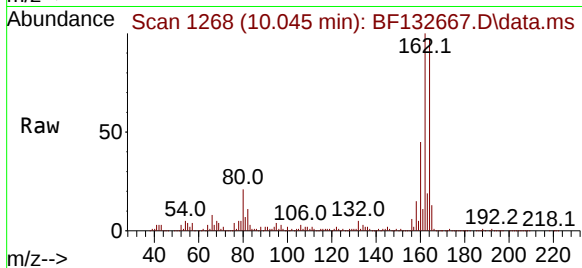
Tgt Ion:164 Resp: 262782

Ion Ratio Lower Upper

164 100

162 102.8 79.8 119.8

160 46.7 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 38.347 ng

RT: 10.839 min Scan# 1403

Delta R.T. -0.009 min

Lab File: BF132667.D

Acq: 07 Mar 2023 00:57

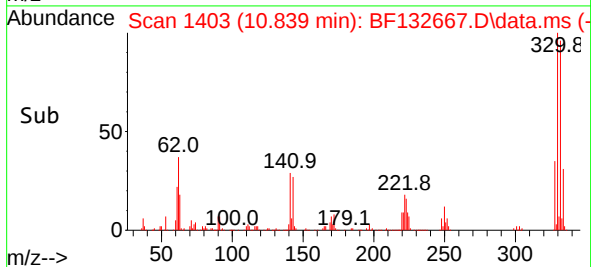
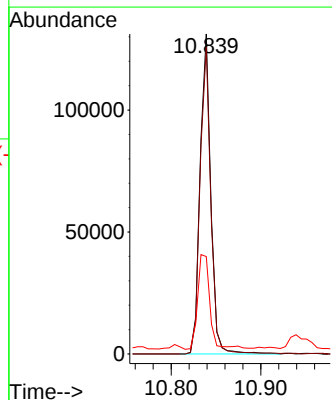
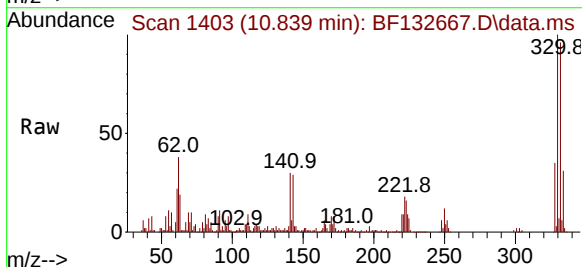
Tgt Ion:330 Resp: 108825

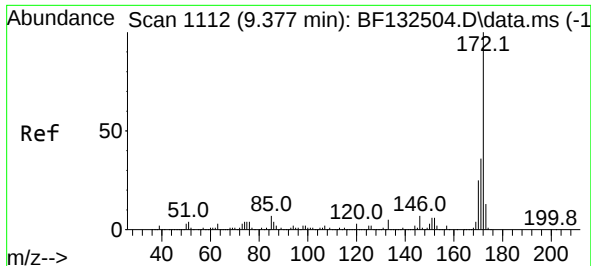
Ion Ratio Lower Upper

330 100

332 95.9 76.2 114.4

141 34.0 28.4 42.6

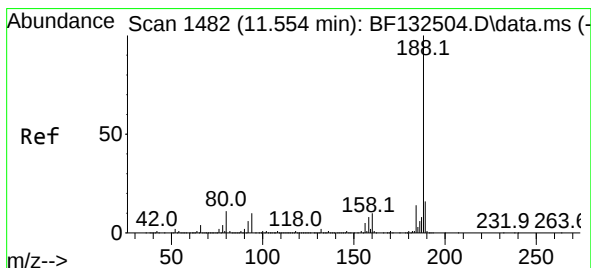
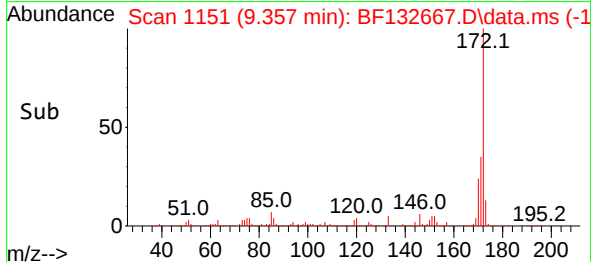
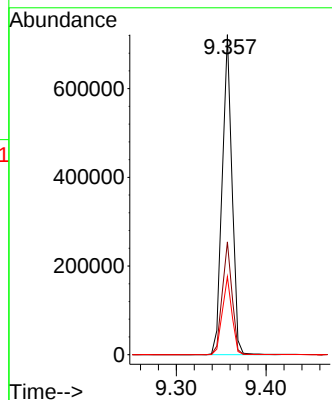
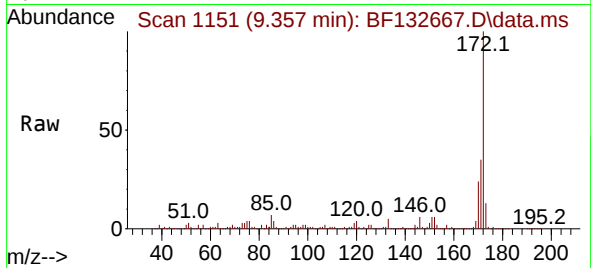




#45
2-Fluorobiphenyl
Concen: 31.812 ng
RT: 9.357 min Scan# 1112
Delta R.T. -0.015 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

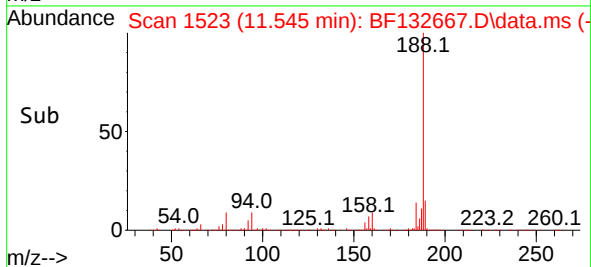
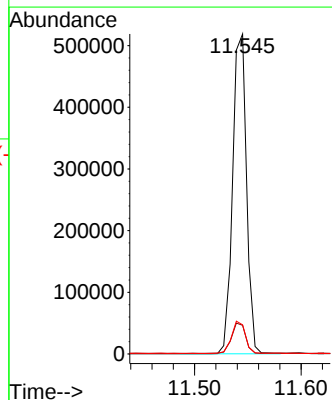
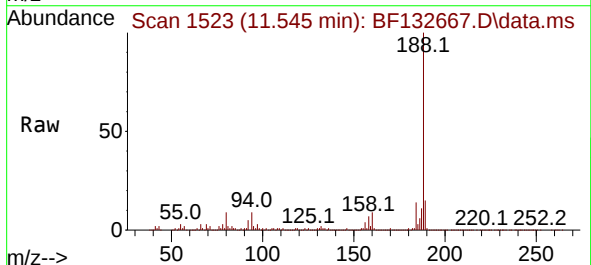
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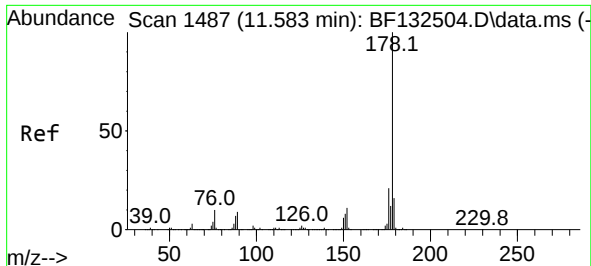
Tgt Ion:172 Resp: 549018
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 24.3 19.7 29.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.545 min Scan# 1523
Delta R.T. -0.003 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

Tgt Ion:188 Resp: 471987
Ion Ratio Lower Upper
188 100
94 8.9 8.3 12.5
80 9.1 8.7 13.1

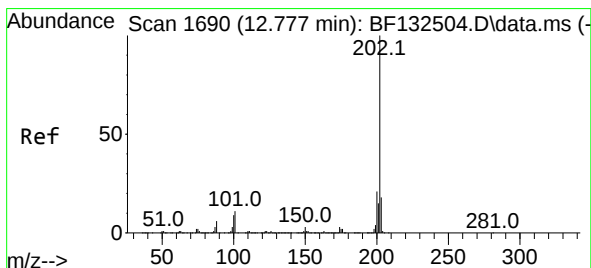
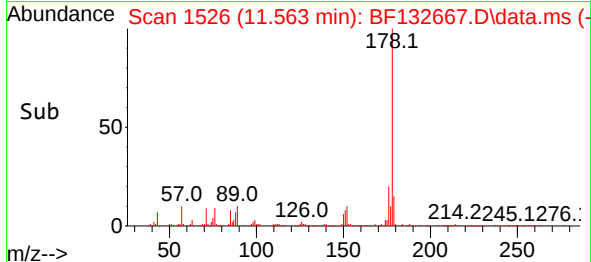
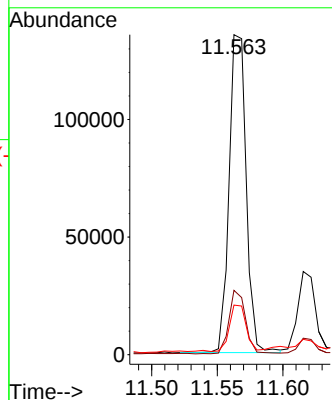
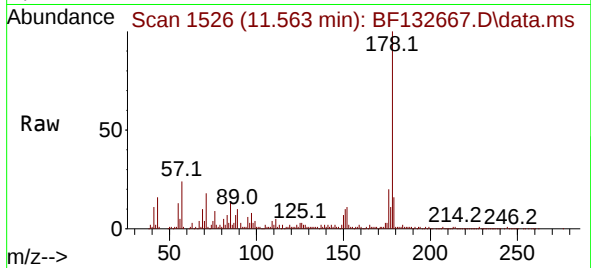




#71
Phenanthrene
Concen: 5.016 ng
RT: 11.563 min Scan# 11
Delta R.T. -0.015 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

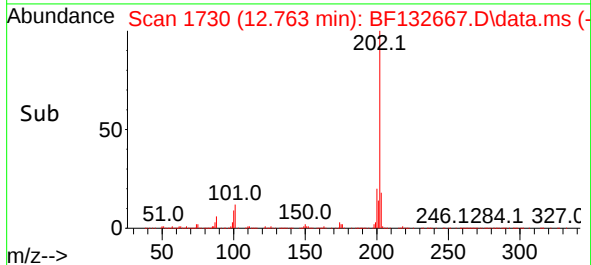
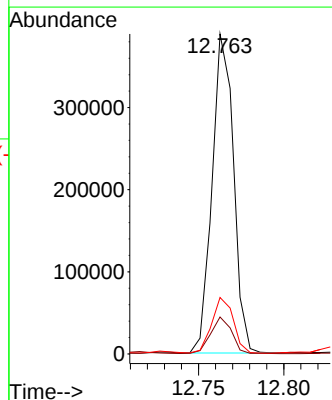
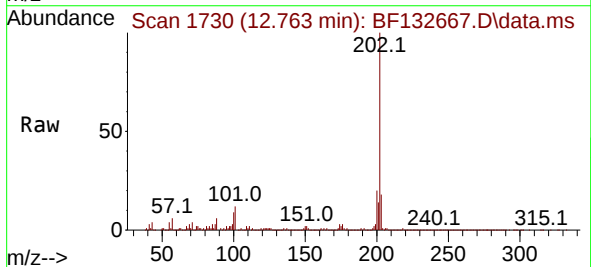
Instrument :
BNA_F
ClientSampleId :
HR-3-03032023

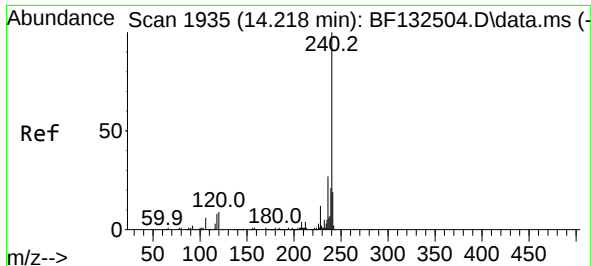
Tgt Ion:178 Resp: 122637
Ion Ratio Lower Upper
178 100
176 20.1 16.5 24.7
179 15.5 13.0 19.6



#75
Fluoranthene
Concen: 12.698 ng
RT: 12.763 min Scan# 1730
Delta R.T. -0.009 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

Tgt Ion:202 Resp: 339415
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.4
203 17.6 0.0 38.0

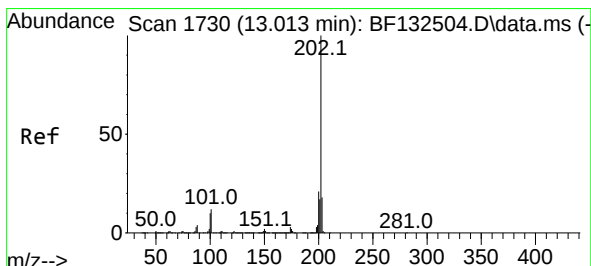
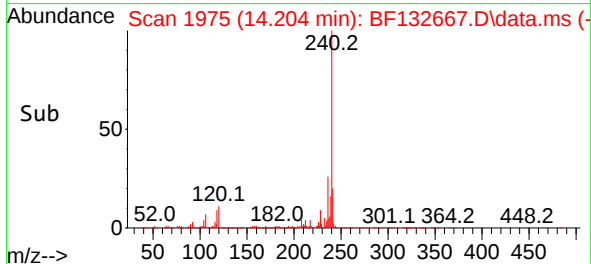
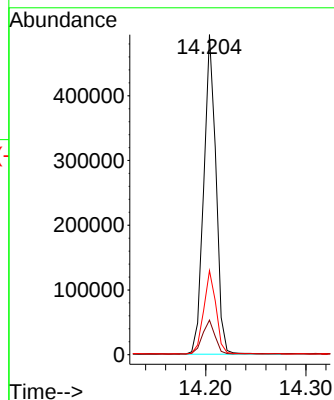
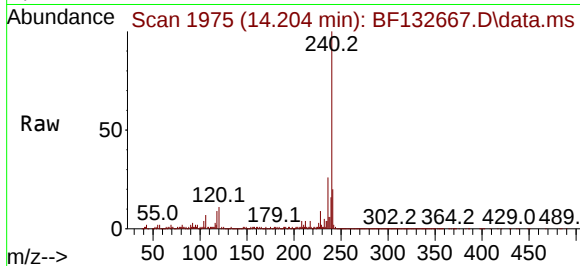




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.204 min Scan# 1935
Delta R.T. -0.003 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

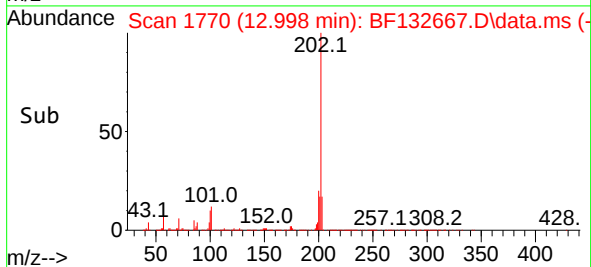
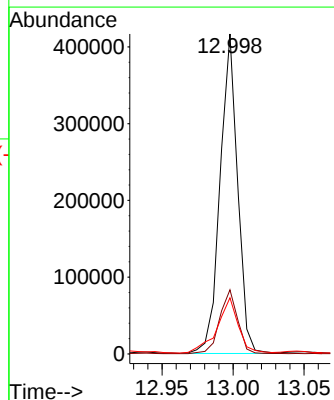
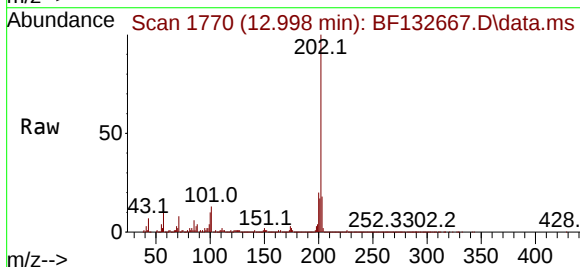
Instrument :
BNA_F
ClientSampleId :
HR-3-03032023

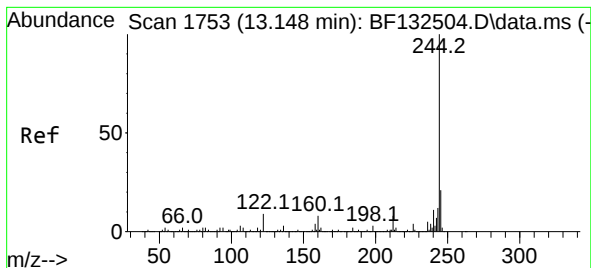
Tgt Ion:240 Resp: 420352
Ion Ratio Lower Upper
240 100
120 10.8 7.2 10.8#
236 26.3 21.8 32.6



#78
Pyrene
Concen: 9.344 ng
RT: 12.998 min Scan# 1770
Delta R.T. -0.003 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

Tgt Ion:202 Resp: 357101
Ion Ratio Lower Upper
202 100
200 20.0 17.1 25.7
203 17.6 14.6 21.8





#79

Terphenyl-d14

Concen: 25.304 ng

RT: 13.133 min Scan# 1

Delta R.T. -0.009 min

Lab File: BF132667.D

Acq: 07 Mar 2023 00:57

Instrument :

BNA_F

ClientSampleId :

HR-3-03032023

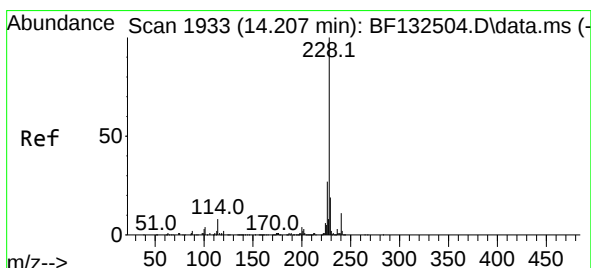
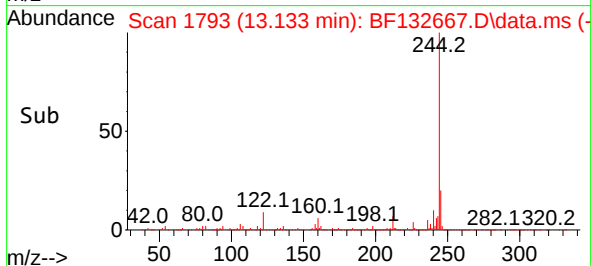
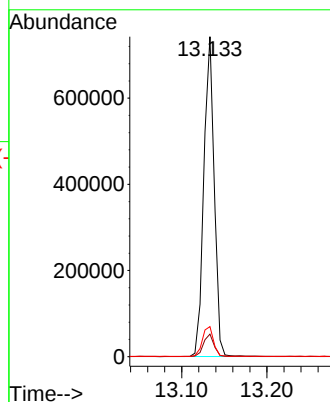
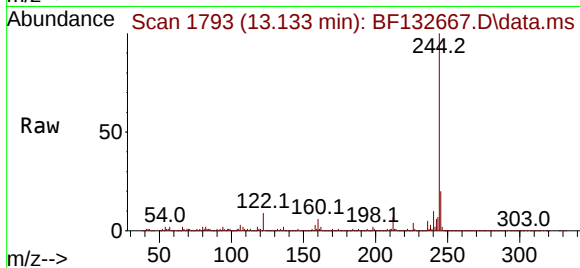
Tgt Ion:244 Resp: 629096

Ion Ratio Lower Upper

244 100

212 7.1 6.5 9.7

122 9.4 7.5 11.3



#81

Benzo(a)anthracene

Concen: 5.709 ng

RT: 14.192 min Scan# 1973

Delta R.T. -0.003 min

Lab File: BF132667.D

Acq: 07 Mar 2023 00:57

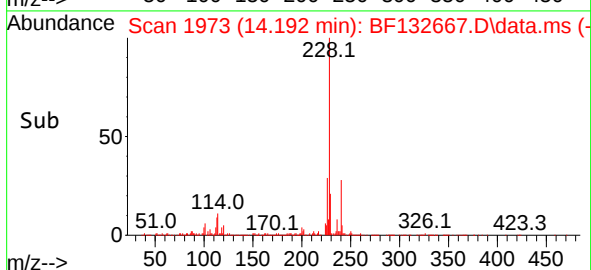
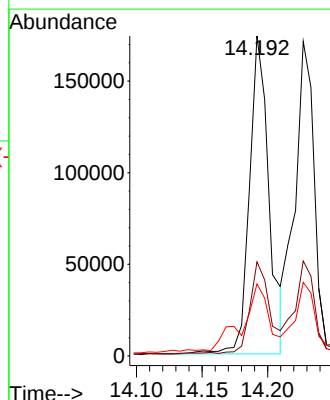
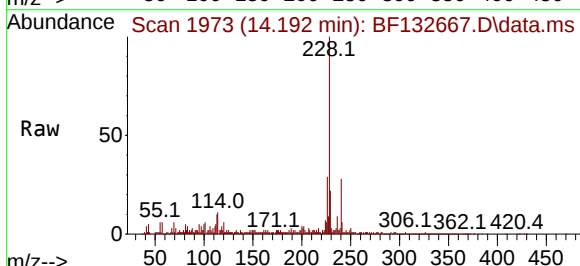
Tgt Ion:228 Resp: 179550

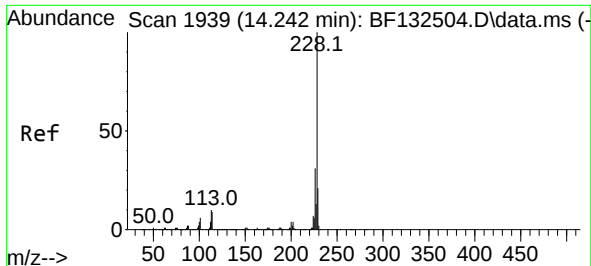
Ion Ratio Lower Upper

228 100

226 29.4 21.7 32.5

229 22.5 15.4 23.2

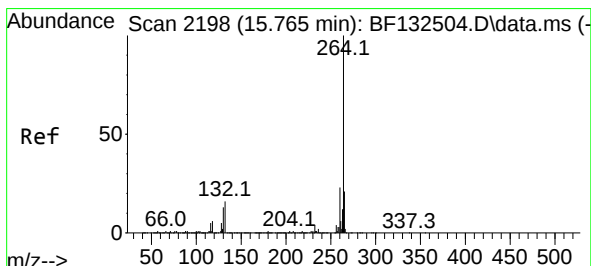
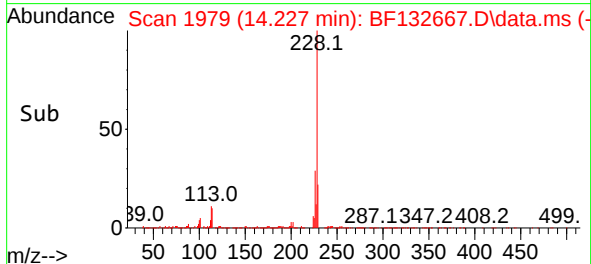
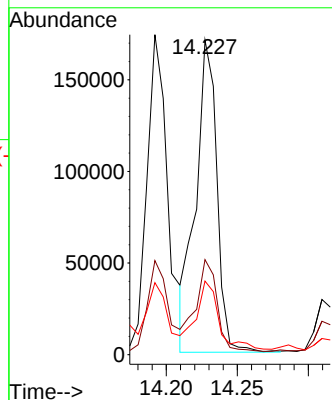
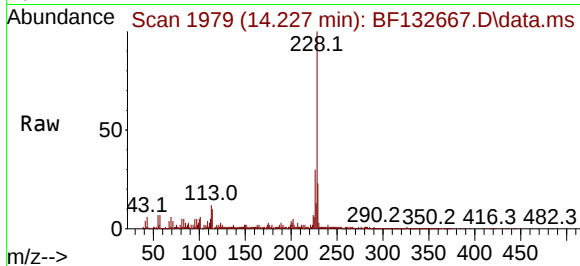




#83
Chrysene
Concen: 6.018 ng
RT: 14.227 min Scan# 1939
Delta R.T. -0.009 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

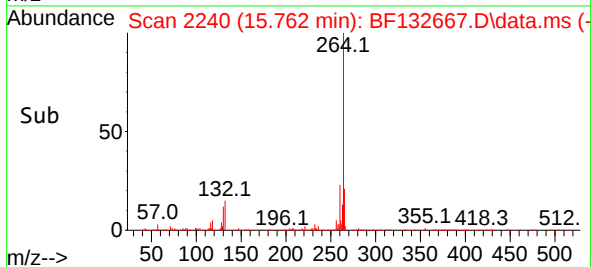
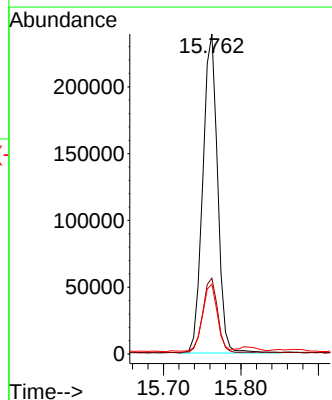
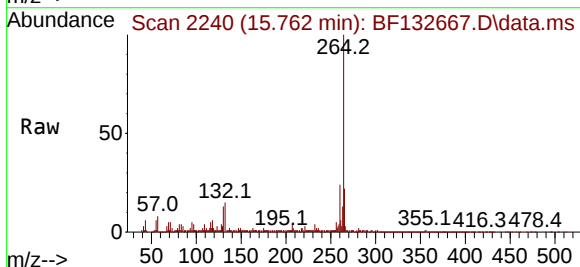
Instrument :
BNA_F
ClientSampleId :
HR-3-03032023

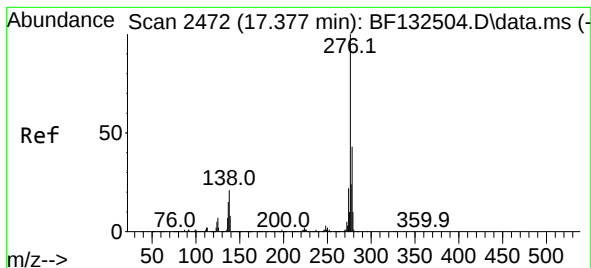
Tgt Ion:228	Resp: 176982		
Ion Ratio	Lower	Upper	
228 100			
226 30.2	25.0	37.6	
229 23.4	16.4	24.6	



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.762 min Scan# 2240
Delta R.T. 0.009 min
Lab File: BF132667.D
Acq: 07 Mar 2023 00:57

Tgt Ion:264	Resp: 317708		
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.8	28.2
265	21.8	17.1	25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.420 ng

RT: 17.362 min Scan# 2160

Delta R.T. 0.003 min

Lab File: BF132667.D

Acq: 07 Mar 2023 00:57

Instrument :

BNA_F

ClientSampleId :

HR-3-03032023

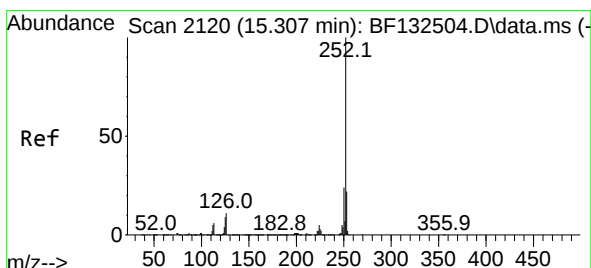
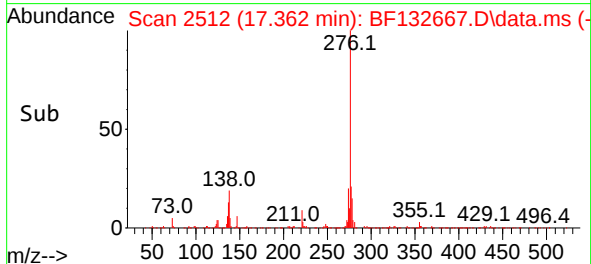
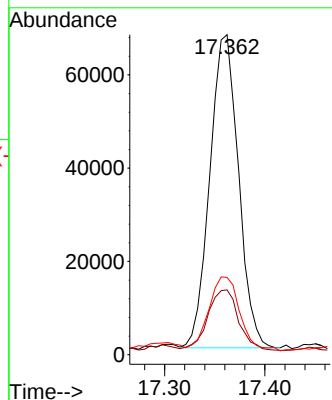
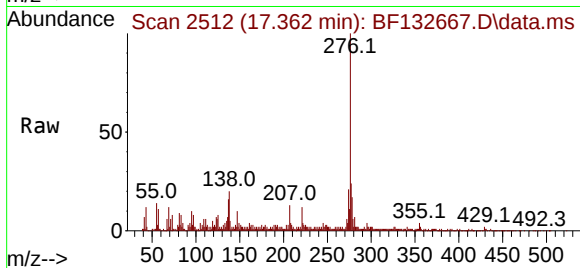
Tgt Ion:276 Resp: 133639

Ion Ratio Lower Upper

276 100

138 20.9 19.0 28.4

277 24.6 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 16.346 ng

RT: 15.292 min Scan# 2160

Delta R.T. -0.003 min

Lab File: BF132667.D

Acq: 07 Mar 2023 00:57

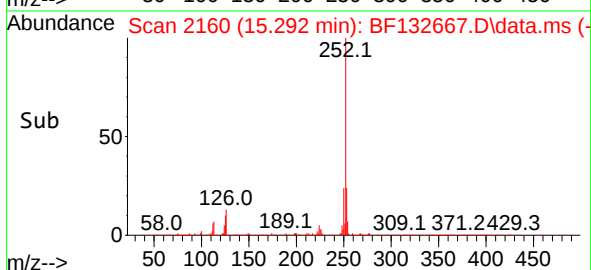
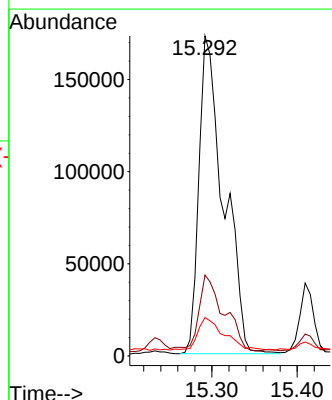
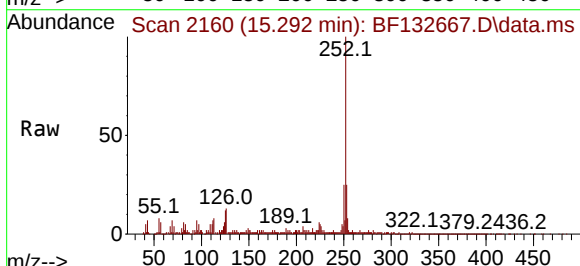
Tgt Ion:252 Resp: 348030

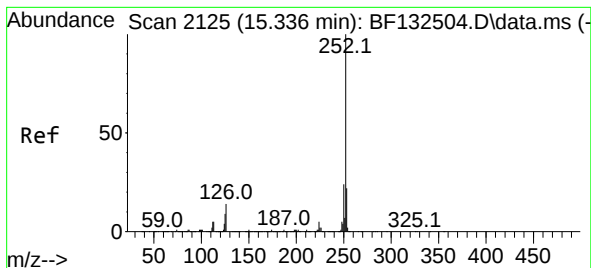
Ion Ratio Lower Upper

252 100

253 25.3 17.4 26.0

125 12.0 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 16.702 ng

RT: 15.292 min Scan# 21

Delta R.T. -0.032 min

Lab File: BF132667.D

Acq: 07 Mar 2023 00:57

Instrument :

BNA_F

ClientSampleId :

HR-3-03032023

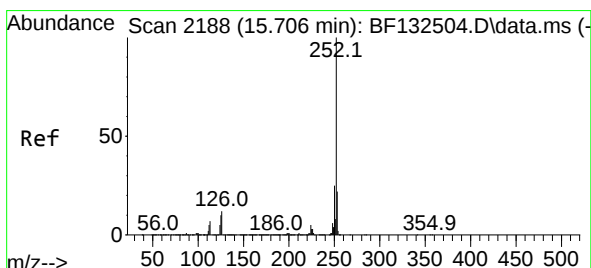
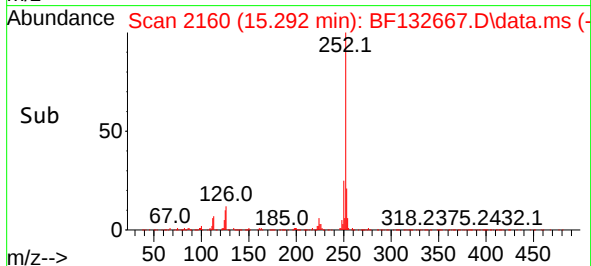
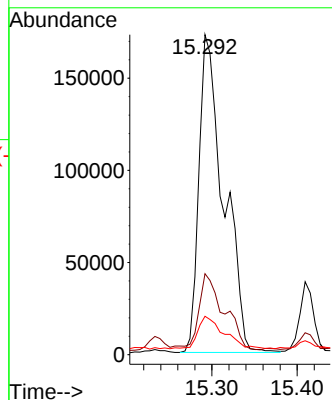
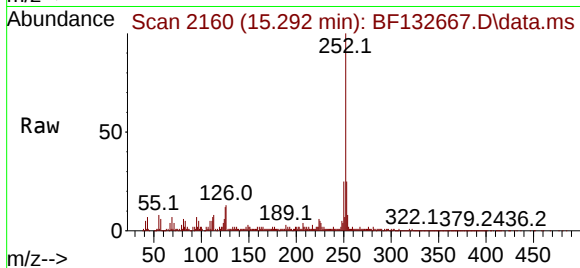
Tgt Ion:252 Resp: 348030

Ion Ratio Lower Upper

252 100

253 25.3 17.5 26.3

125 12.0 7.2 10.8#



#90

Benzo(a)pyrene

Concen: 9.610 ng

RT: 15.692 min Scan# 2228

Delta R.T. 0.003 min

Lab File: BF132667.D

Acq: 07 Mar 2023 00:57

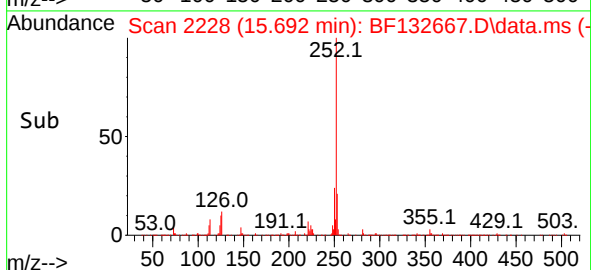
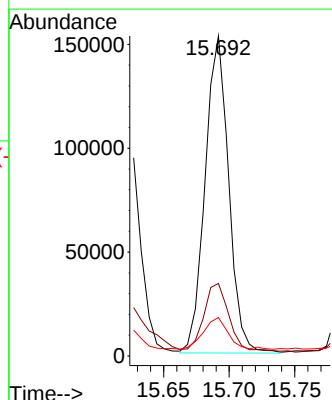
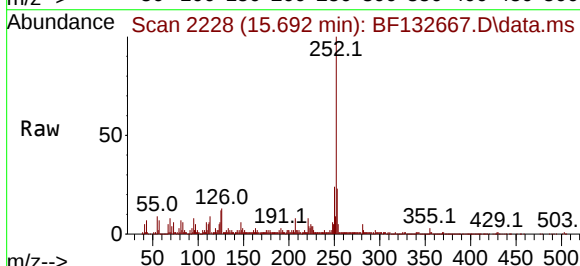
Tgt Ion:252 Resp: 191492

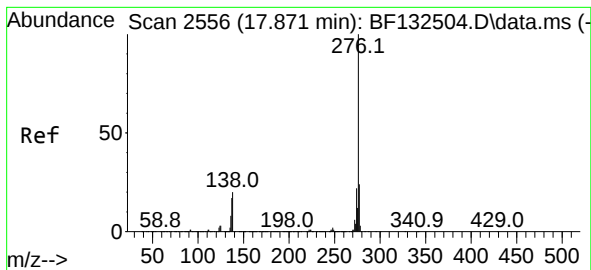
Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

125 12.0 8.0 12.0





#92

Benzo(g,h,i)perylene

Concen: 8.727 ng

RT: 17.850 min Scan# 21

Delta R.T. -0.003 min

Lab File: BF132667.D

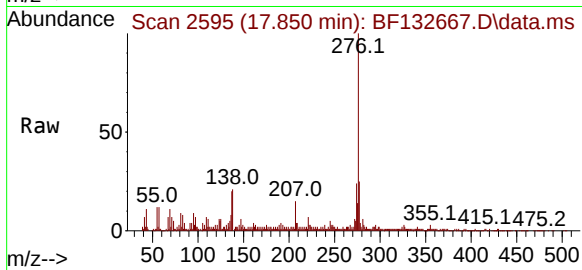
Acq: 07 Mar 2023 00:57

Instrument :

BNA_F

ClientSampleId :

HR-3-03032023



Tgt Ion:276 Resp: 141084

Ion Ratio Lower Upper

276 100

277 24.5 18.9 28.3

138 20.8 16.2 24.4

