

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030623\
 Data File : BF132668.D
 Acq On : 07 Mar 2023 01:29
 Operator : CG\JU
 Sample : 01815-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-03032023

Quant Time: Mar 07 03:25:09 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)

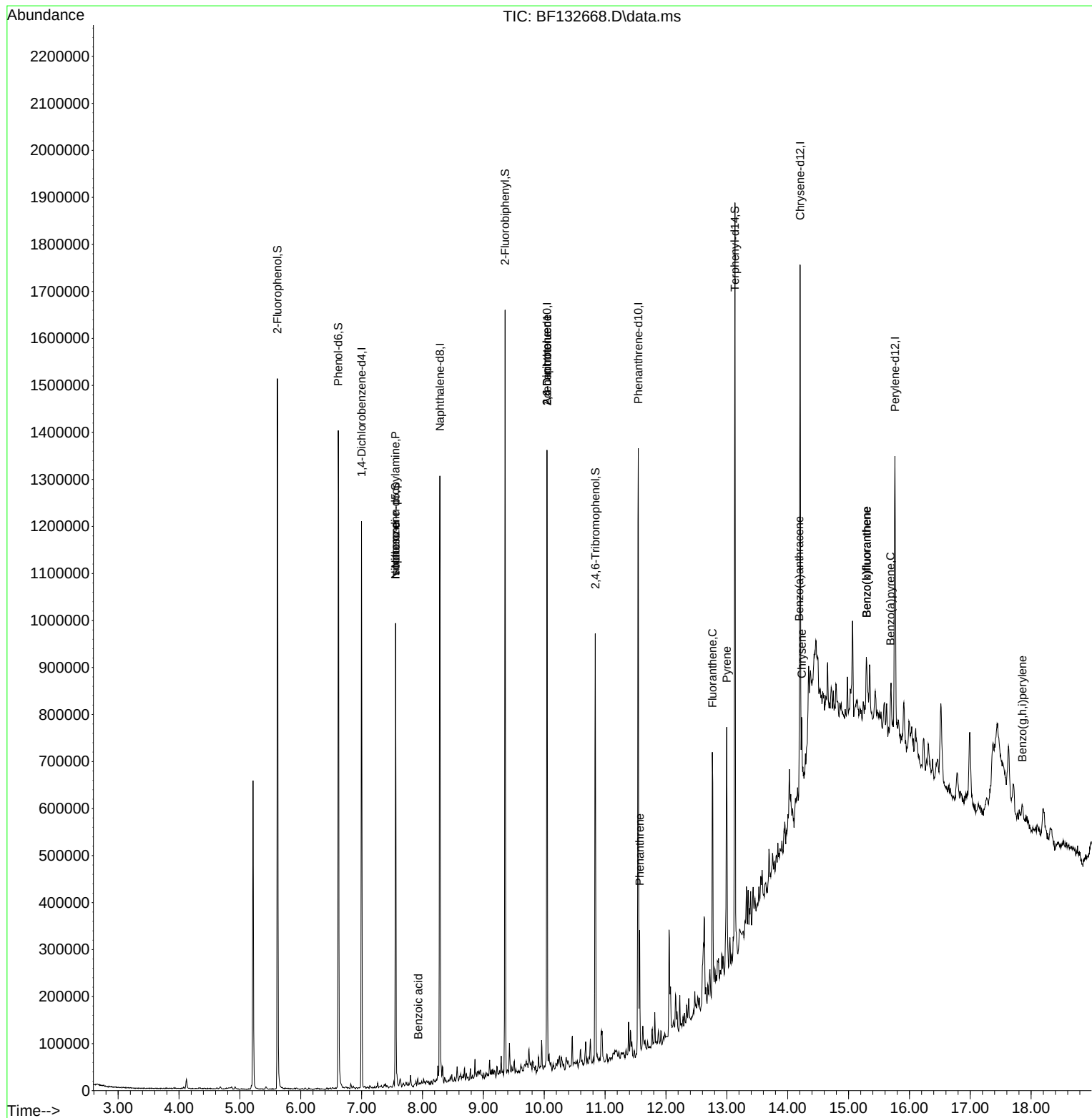
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.998	152	170878	20.000	ng	0.00
21) Naphthalene-d8	8.287	136	546211	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	244958	20.000	ng	0.00
64) Phenanthrene-d10	11.545	188	491139	20.000	ng	0.00
76) Chrysene-d12	14.204	240	364327	20.000	ng	0.00
86) Perylene-d12	15.762	264	258840	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.616	112	437523	41.555	ng	-0.01
7) Phenol-d6	6.616	99	506116	36.833	ng	-0.02
23) Nitrobenzene-d5	7.557	82	286721	24.905	ng	-0.01
42) 2,4,6-Tribromophenol	10.839	330	103188	39.006	ng	0.00
45) 2-Fluorobiphenyl	9.357	172	440087	27.356	ng	-0.01
79) Terphenyl-d14	13.133	244	537266	24.933	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.557	70	37018	4.377	ng	# 75
25) Isophorone	7.557	82	286336	12.973	ng	# 67
32) Benzoic acid	7.934	122	60	3.844	ng	88
51) 2,6-Dinitrotoluene	10.045	165	32201	7.927	ng	# 23
57) 2,4-Dinitrotoluene	10.045	165	32201	5.959	ng	# 21
71) Phenanthrene	11.569	178	94602	3.718	ng	98
75) Fluoranthene	12.763	202	188721	6.785	ng	99
78) Pyrene	12.998	202	185288	5.594	ng	98
81) Benzo(a)anthracene	14.192	228	69596	2.553	ng	# 89
83) Chrysene	14.233	228	68227	2.676	ng	# 93
88) Benzo(b)fluoranthene	15.298	252	75410	4.347	ng	# 70
89) Benzo(k)fluoranthene	15.298	252	75410	4.442	ng	# 71
90) Benzo(a)pyrene	15.692	252	40341	2.485	ng	# 74
92) Benzo(g,h,i)perylene	17.856	276	26773	3.271	ng	# 83

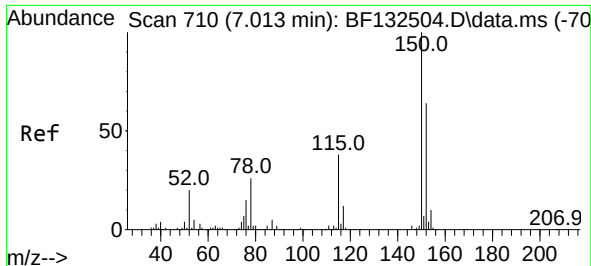
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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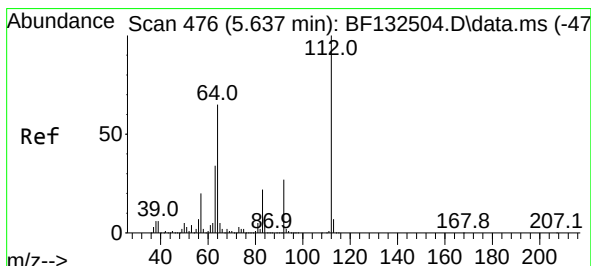
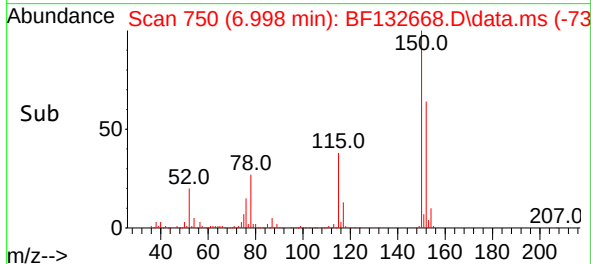
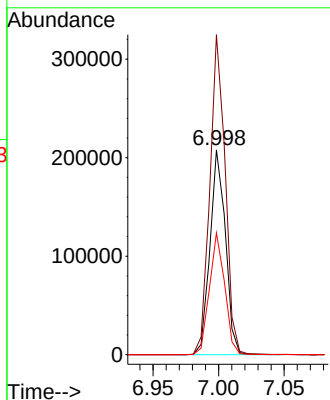
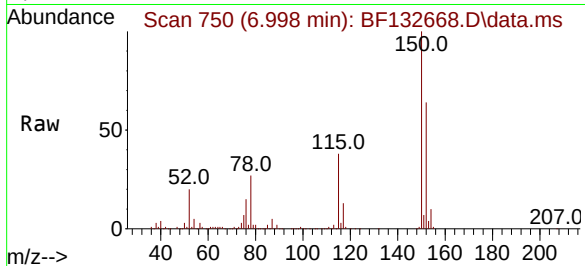




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29

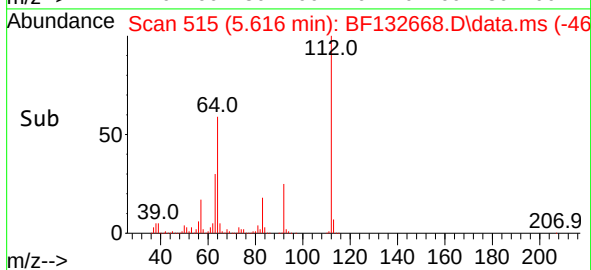
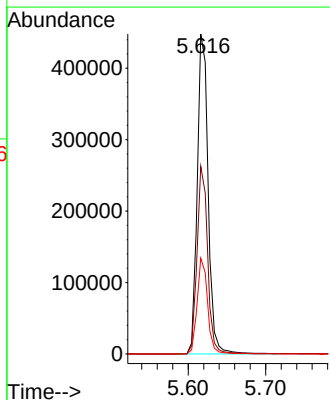
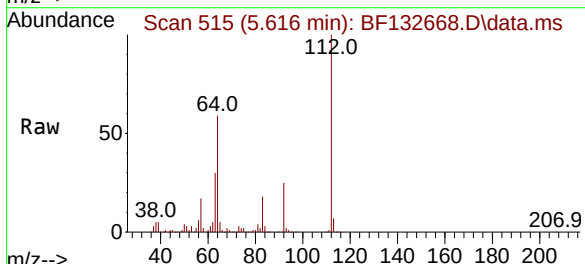
Instrument :
BNA_F
ClientSampleId :
OK-01-03032023

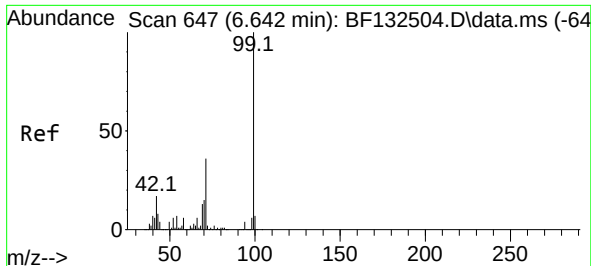
Tgt Ion:152 Resp: 170878
Ion Ratio Lower Upper
152 100
150 156.2 125.4 188.2
115 59.5 47.8 71.6



#5
2-Fluorophenol
Concen: 41.555 ng
RT: 5.616 min Scan# 515
Delta R.T. -0.015 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29

Tgt Ion:112 Resp: 437523
Ion Ratio Lower Upper
112 100
64 58.7 51.6 77.4
63 29.9 27.4 41.2

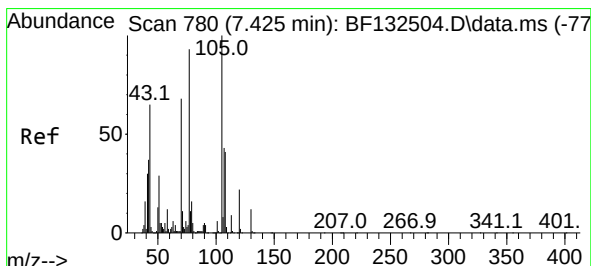
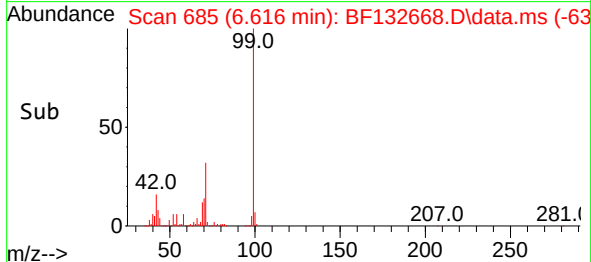
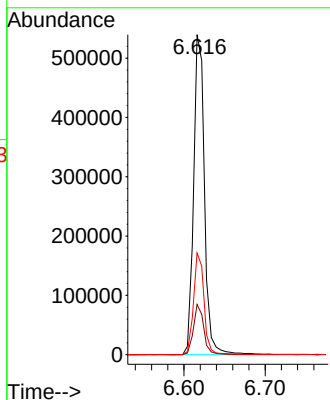
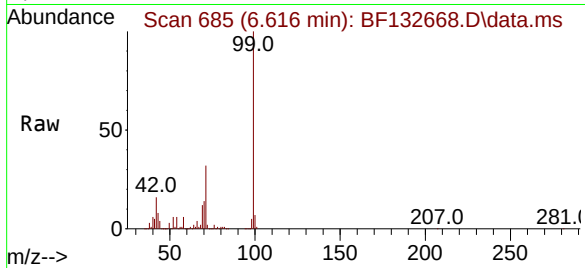




#7
Phenol-d6
Concen: 36.833 ng
RT: 6.616 min Scan# 61
Delta R.T. -0.021 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29

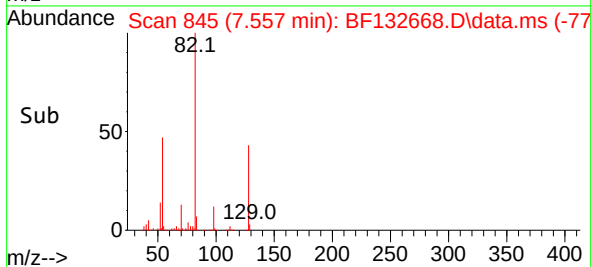
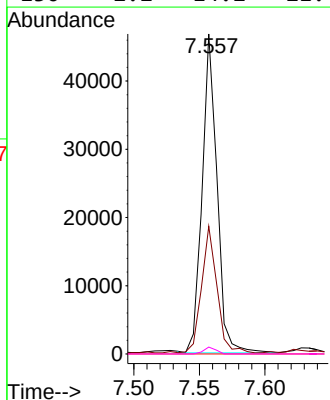
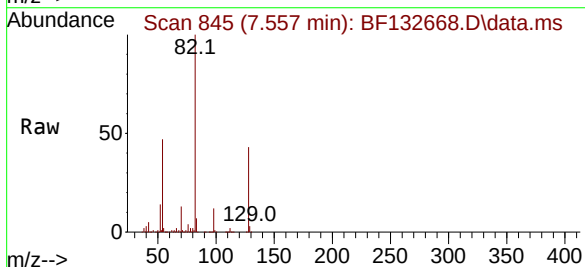
Instrument :
BNA_F
ClientSampleId :
OK-01-03032023

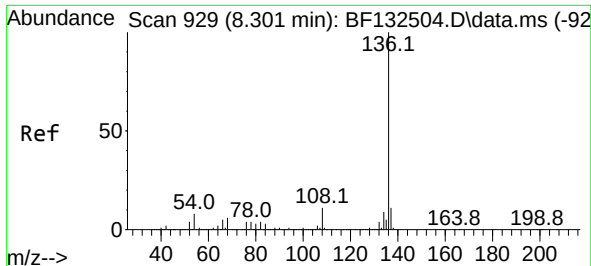
Tgt Ion: 99 Resp: 506116
Ion Ratio Lower Upper
99 100
42 15.7 13.9 20.9
71 31.8 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 4.377 ng
RT: 7.557 min Scan# 845
Delta R.T. 0.138 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29

Tgt Ion: 70 Resp: 37018
Ion Ratio Lower Upper
70 100
42 39.9 44.1 66.1#
101 0.0 7.4 11.2#
130 2.2 14.2 21.4#



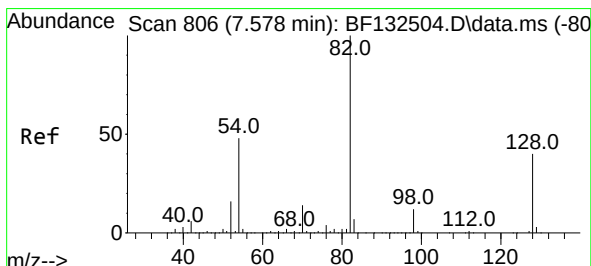
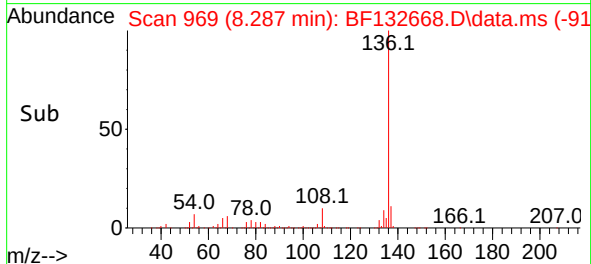
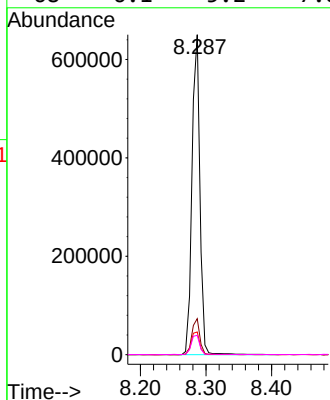
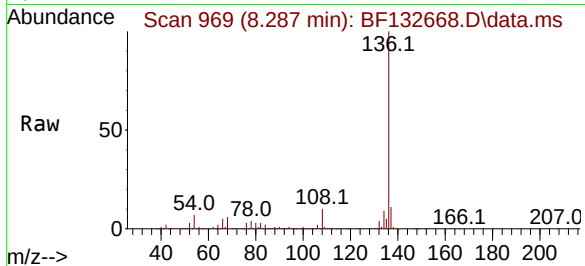


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.287 min Scan# 910
Delta R.T. -0.003 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29

Instrument :
BNA_F
ClientSampleId :
OK-01-03032023

Tgt Ion:136 Resp: 546211

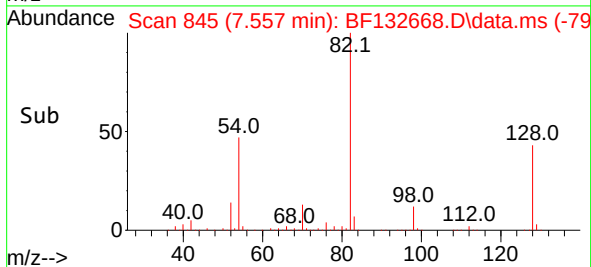
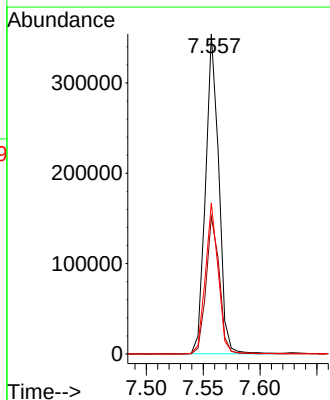
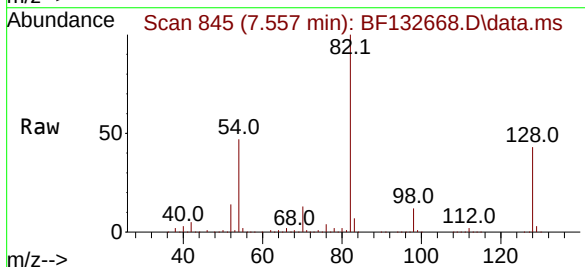
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.1	6.2	9.4
68	6.1	5.2	7.8

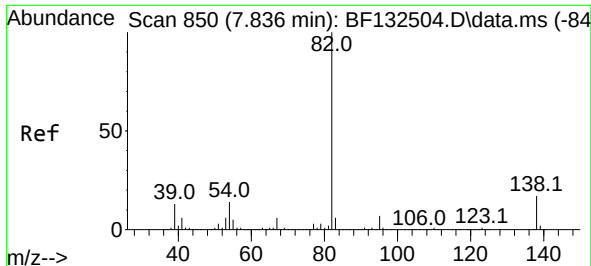


#23
Nitrobenzene-d5
Concen: 24.905 ng
RT: 7.557 min Scan# 845
Delta R.T. -0.015 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29

Tgt Ion: 82 Resp: 286721

Ion	Ratio	Lower	Upper
82	100		
128	42.8	32.2	48.2
54	47.2	38.4	57.6

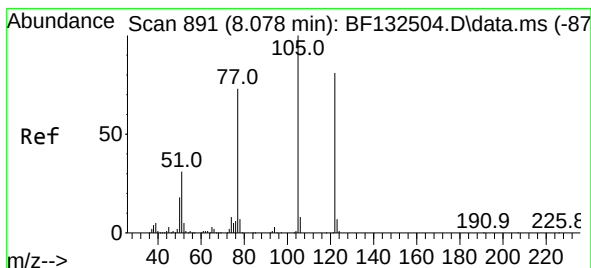
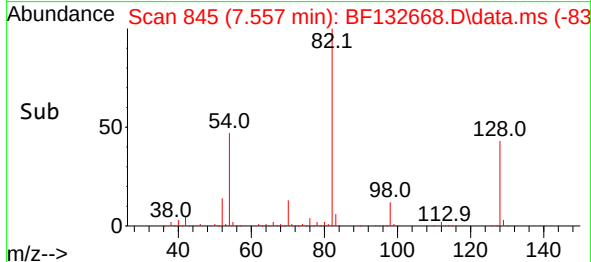
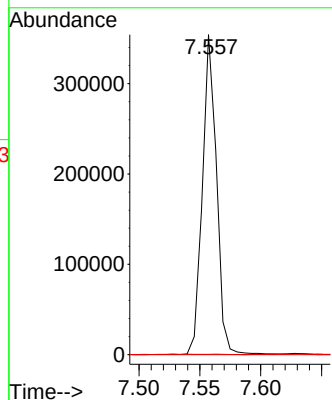
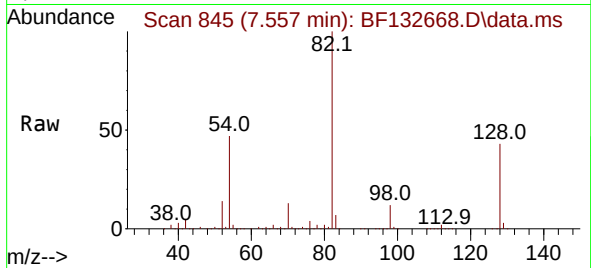




#25
Isophorone
Concen: 12.973 ng
RT: 7.557 min Scan# 84
Delta R.T. -0.268 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29

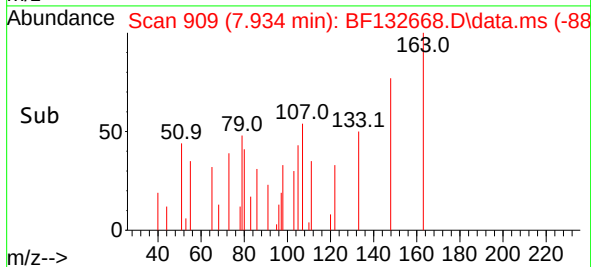
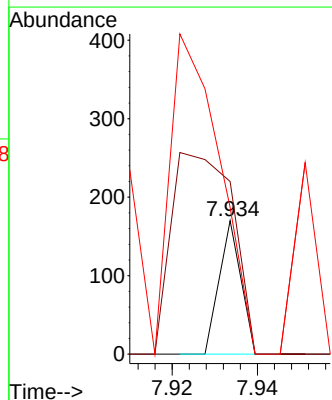
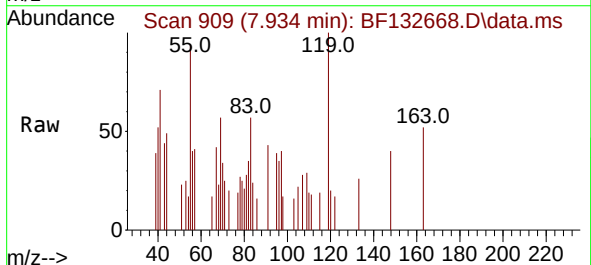
Instrument :
BNA_F
ClientSampleId :
OK-01-03032023

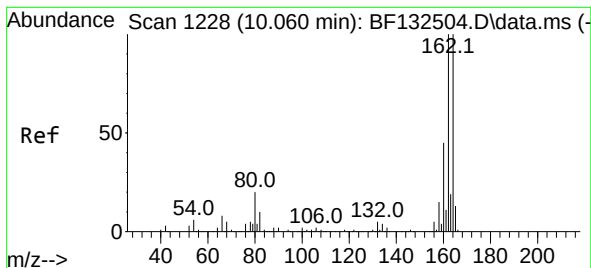
Tgt Ion: 82 Resp: 286336
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.844 ng
RT: 7.934 min Scan# 909
Delta R.T. -0.132 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29

Tgt Ion: 122 Resp: 60
Ion Ratio Lower Upper
122 100
105 129.4 102.6 142.6
77 110.0 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: BF132668.D

Acq: 07 Mar 2023 01:29

Instrument :

BNA_F

ClientSampleId :

OK-01-03032023

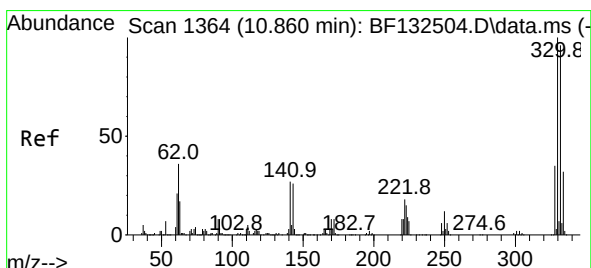
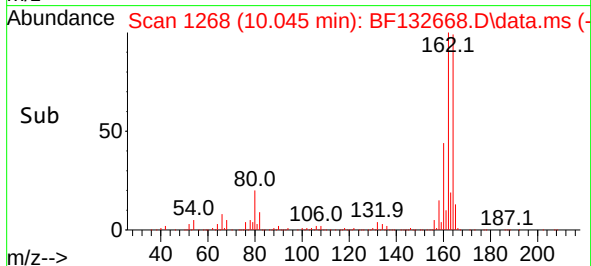
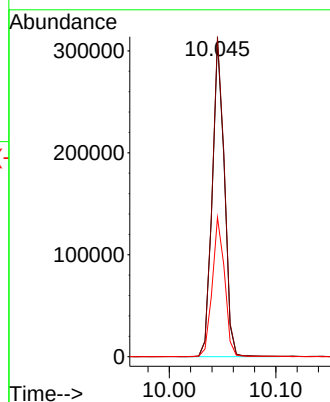
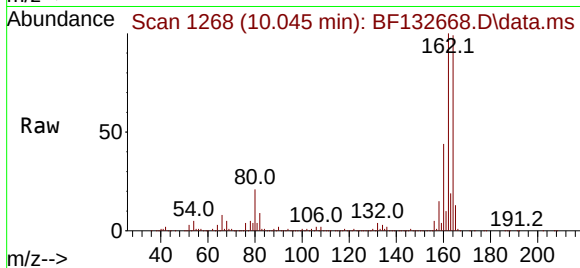
Tgt Ion:164 Resp: 244958

Ion Ratio Lower Upper

164 100

162 101.2 79.8 119.8

160 44.1 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 39.006 ng

RT: 10.839 min Scan# 1403

Delta R.T. -0.009 min

Lab File: BF132668.D

Acq: 07 Mar 2023 01:29

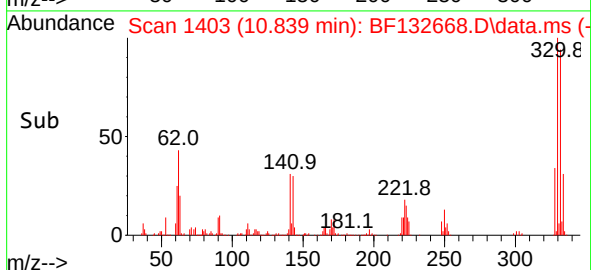
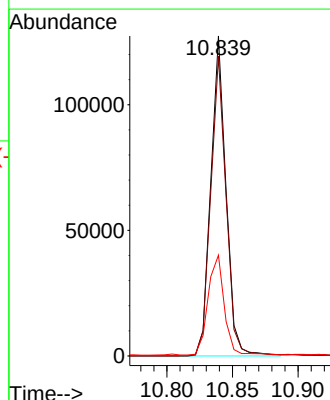
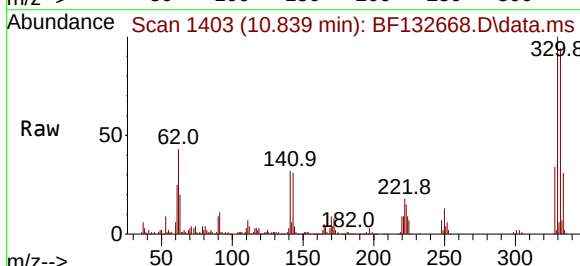
Tgt Ion:330 Resp: 103188

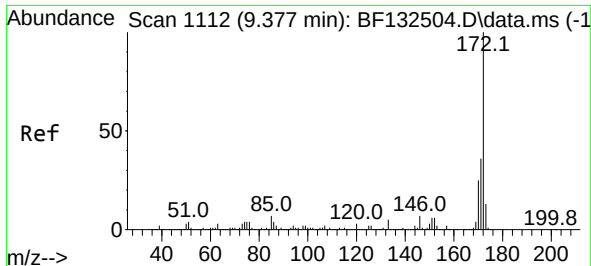
Ion Ratio Lower Upper

330 100

332 95.4 76.2 114.4

141 33.3 28.4 42.6





#45

2-Fluorobiphenyl

Concen: 27.356 ng

RT: 9.357 min Scan# 1112

Delta R.T. -0.015 min

Lab File: BF132668.D

Acq: 07 Mar 2023 01:29

Instrument :

BNA_F

ClientSampleId :

OK-01-03032023

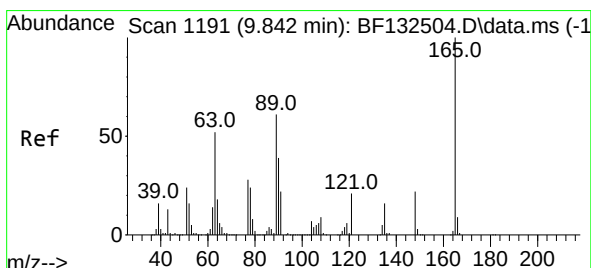
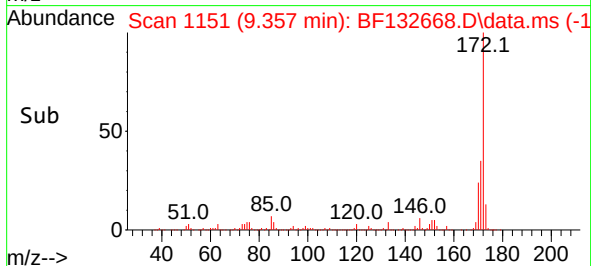
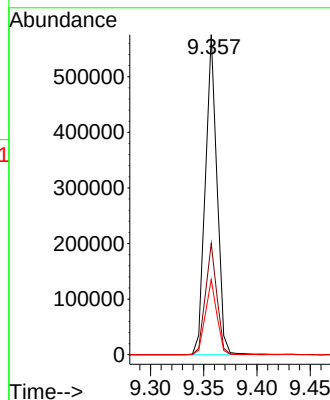
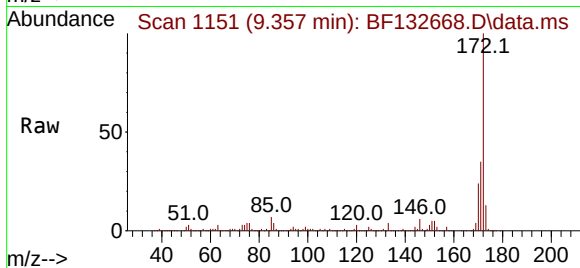
Tgt Ion:172 Resp: 440087

Ion Ratio Lower Upper

172 100

171 34.7 28.8 43.2

170 23.5 19.7 29.5



#51

2,6-Dinitrotoluene

Concen: 7.927 ng

RT: 10.045 min Scan# 1268

Delta R.T. 0.209 min

Lab File: BF132668.D

Acq: 07 Mar 2023 01:29

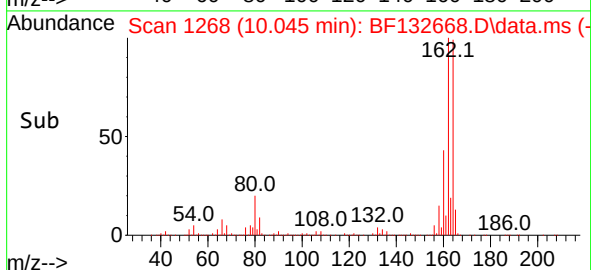
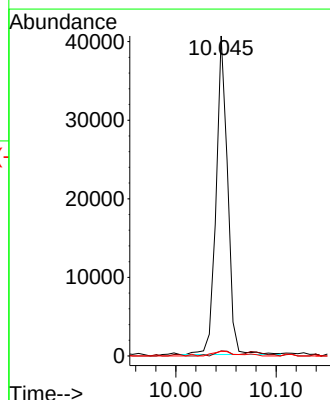
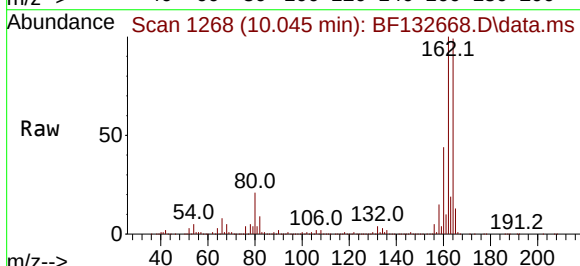
Tgt Ion:165 Resp: 32201

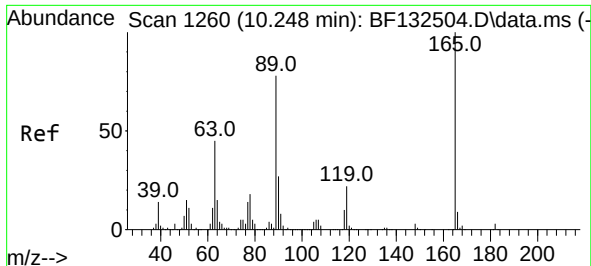
Ion Ratio Lower Upper

165 100

63 1.6 47.3 70.9#

89 1.5 48.9 73.3#

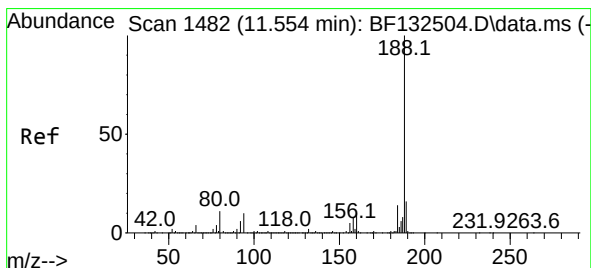
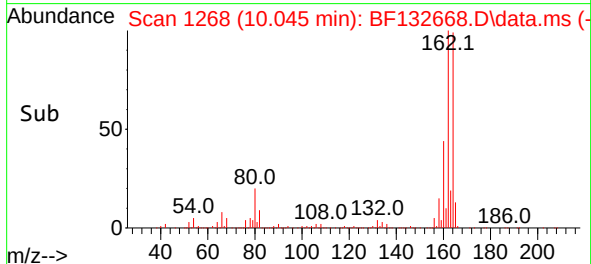
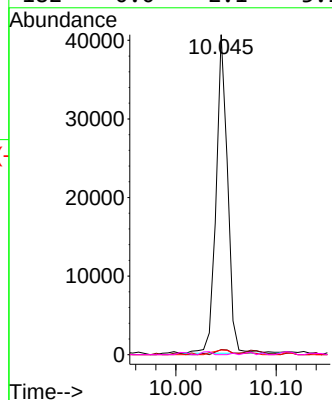
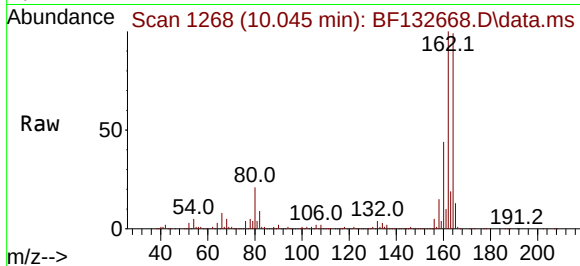




#57
2,4-Dinitrotoluene
Concen: 5.959 ng
RT: 10.045 min Scan# 1523
Delta R.T. -0.197 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29

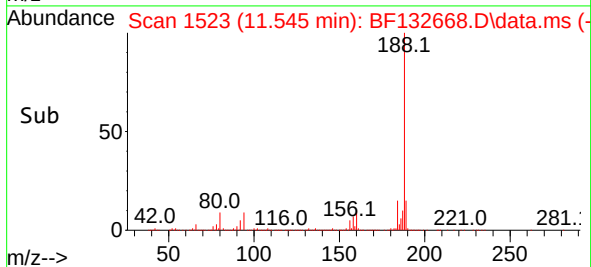
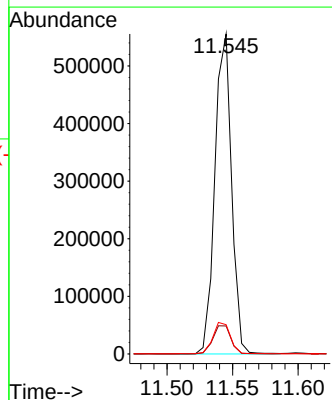
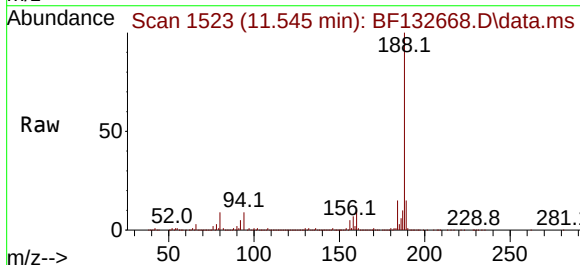
Instrument :
BNA_F
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OK-01-03032023

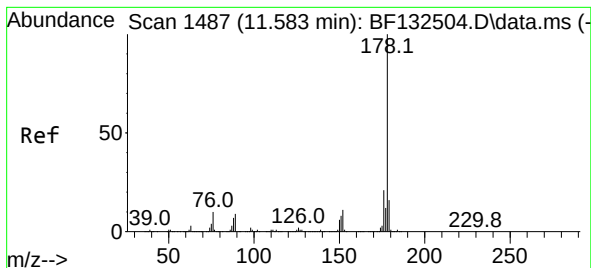
Tgt Ion:165 Resp: 32201
Ion Ratio Lower Upper
165 100
63 1.6 36.5 54.7#
89 1.5 62.4 93.6#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.545 min Scan# 1523
Delta R.T. -0.003 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29

Tgt Ion:188 Resp: 491139
Ion Ratio Lower Upper
188 100
94 8.7 8.3 12.5
80 9.1 8.7 13.1





#71

Phenanthrene

Concen: 3.718 ng

RT: 11.569 min Scan# 11

Delta R.T. -0.009 min

Lab File: BF132668.D

Acq: 07 Mar 2023 01:29

Instrument :

BNA_F

ClientSampleId :

OK-01-03032023

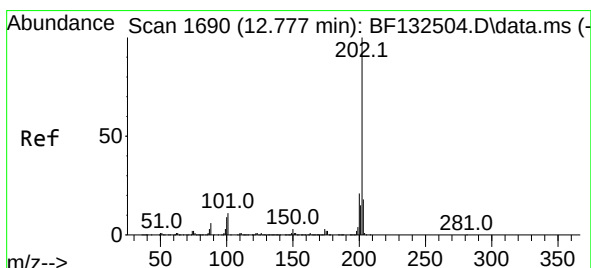
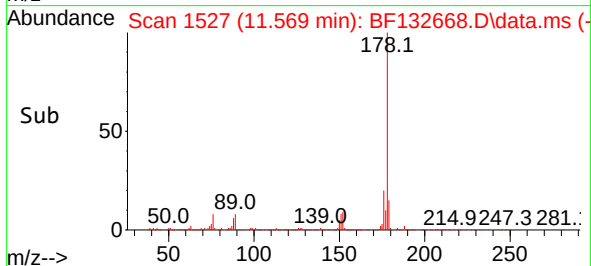
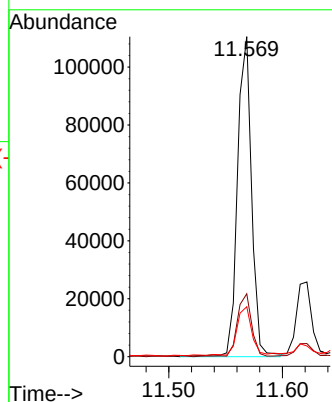
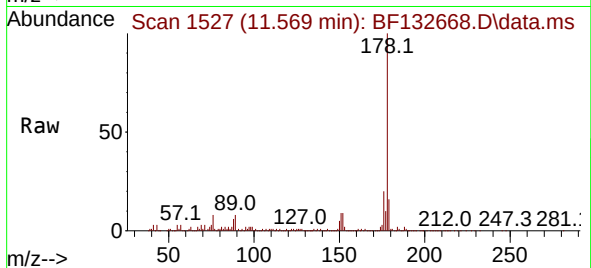
Tgt Ion:178 Resp: 94602

Ion Ratio Lower Upper

178 100

176 19.6 16.5 24.7

179 15.6 13.0 19.6



#75

Fluoranthene

Concen: 6.785 ng

RT: 12.763 min Scan# 1730

Delta R.T. -0.009 min

Lab File: BF132668.D

Acq: 07 Mar 2023 01:29

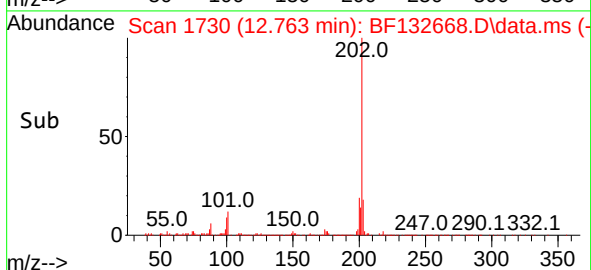
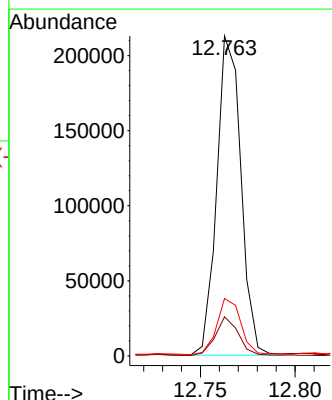
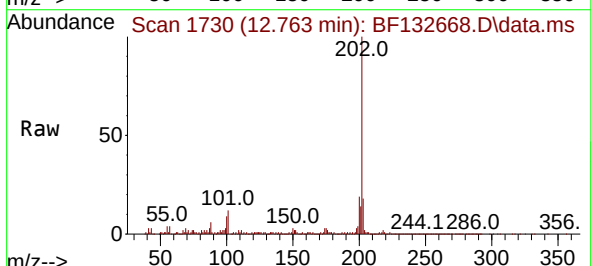
Tgt Ion:202 Resp: 188721

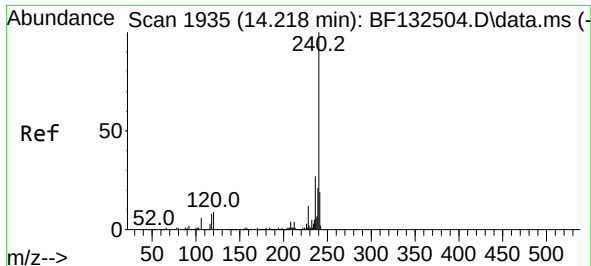
Ion Ratio Lower Upper

202 100

101 12.2 0.0 31.4

203 17.9 0.0 38.0

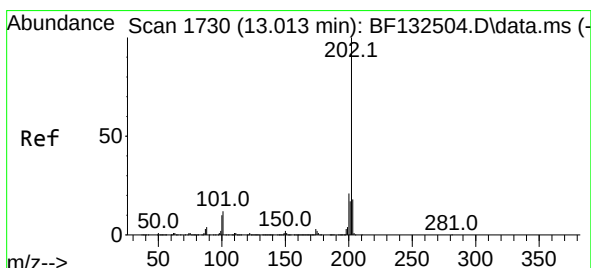
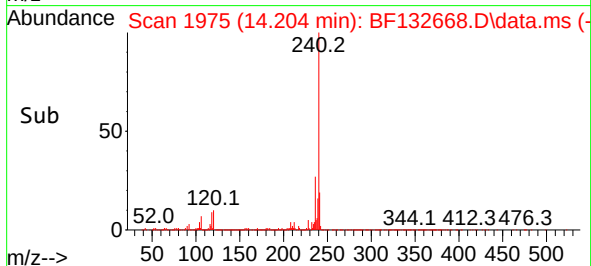
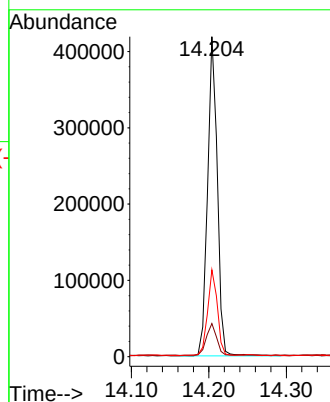
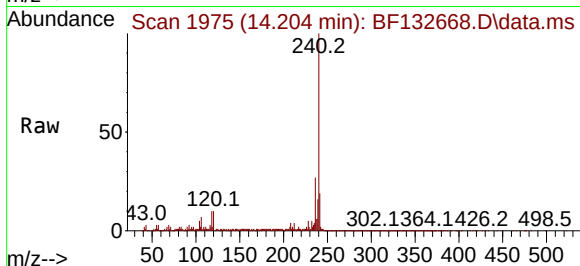




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.204 min Scan# 1935
Delta R.T. -0.003 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29

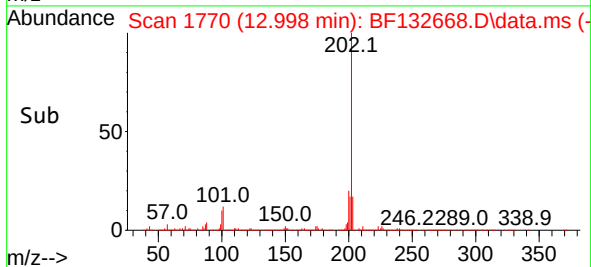
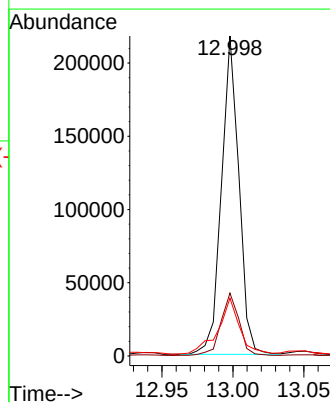
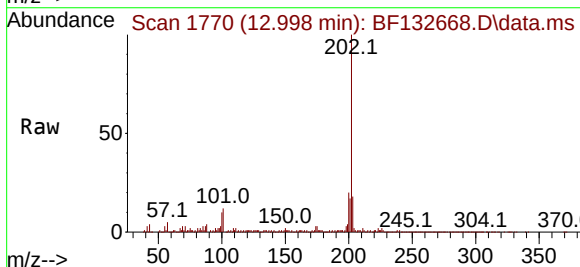
Instrument :
BNA_F
ClientSampleId :
OK-01-03032023

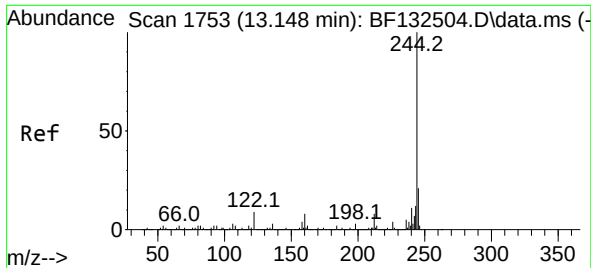
Tgt Ion:240 Resp: 364327
Ion Ratio Lower Upper
240 100
120 10.4 7.2 10.8
236 27.2 21.8 32.6



#78
Pyrene
Concen: 5.594 ng
RT: 12.998 min Scan# 1770
Delta R.T. -0.003 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29

Tgt Ion:202 Resp: 185288
Ion Ratio Lower Upper
202 100
200 19.6 17.1 25.7
203 18.1 14.6 21.8

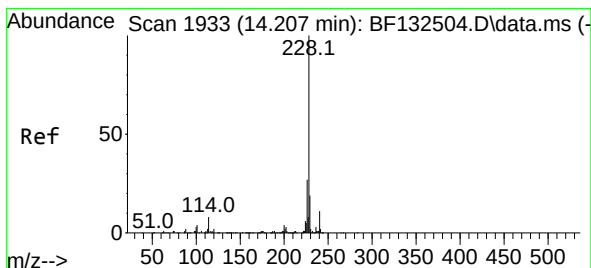
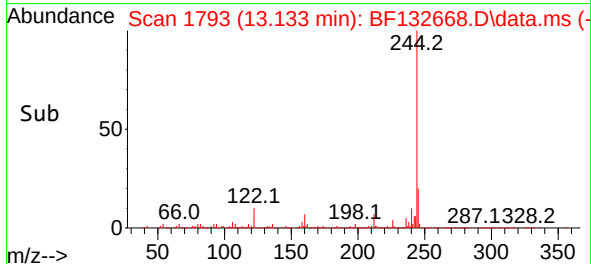
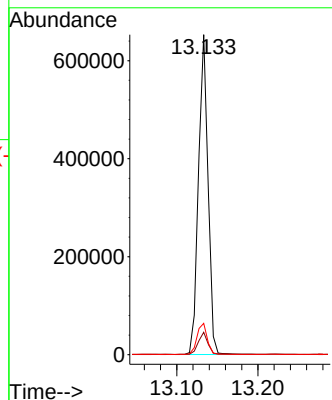
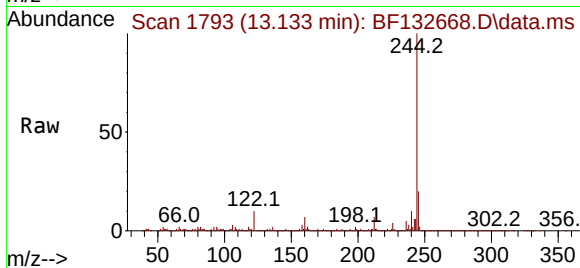




#79
 Terphenyl-d14
 Concen: 24.933 ng
 RT: 13.133 min Scan# 1793
 Delta R.T. -0.009 min
 Lab File: BF132668.D
 Acq: 07 Mar 2023 01:29

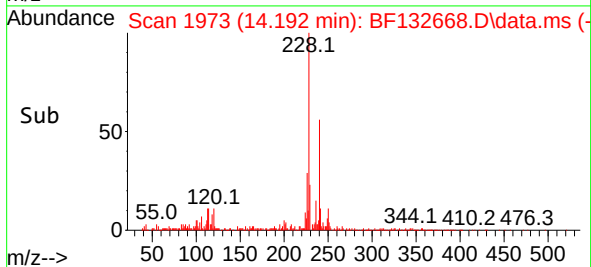
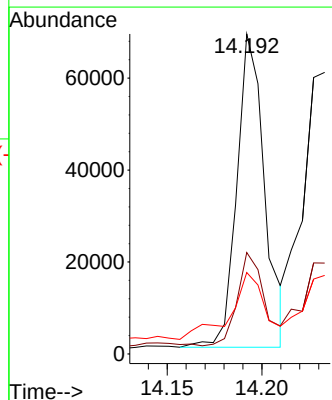
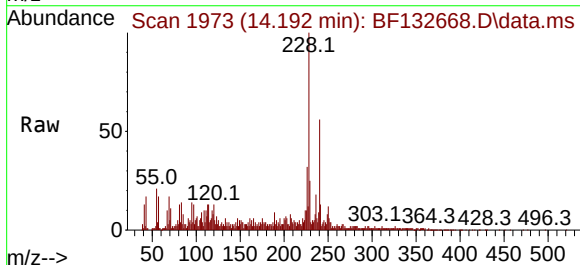
Instrument :
 BNA_F
 ClientSampleId :
 OK-01-03032023

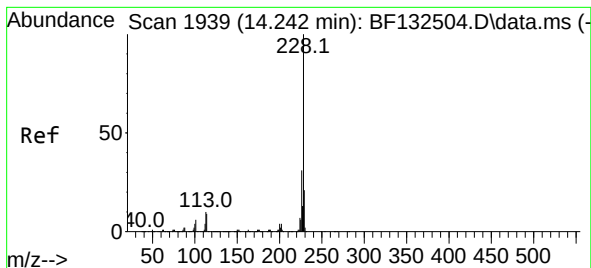
Tgt Ion:244 Resp: 537266
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 9.8 7.5 11.3



#81
 Benzo(a)anthracene
 Concen: 2.553 ng
 RT: 14.192 min Scan# 1973
 Delta R.T. -0.003 min
 Lab File: BF132668.D
 Acq: 07 Mar 2023 01:29

Tgt Ion:228 Resp: 69596
 Ion Ratio Lower Upper
 228 100
 226 31.7 21.7 32.5
 229 25.5 15.4 23.2#





#83

Chrysene

Concen: 2.676 ng

RT: 14.233 min Scan# 1939

Delta R.T. -0.003 min

Lab File: BF132668.D

Acq: 07 Mar 2023 01:29

Instrument :

BNA_F

ClientSampleId :

OK-01-03032023

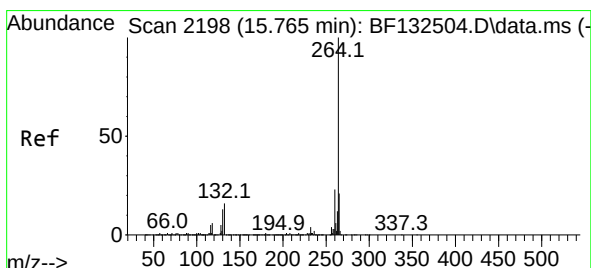
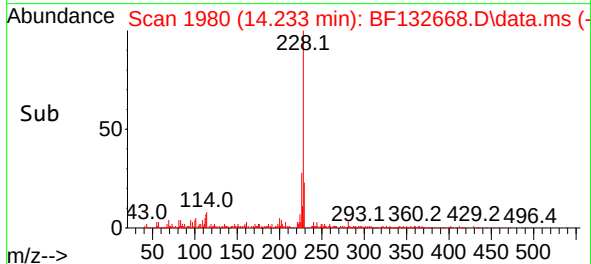
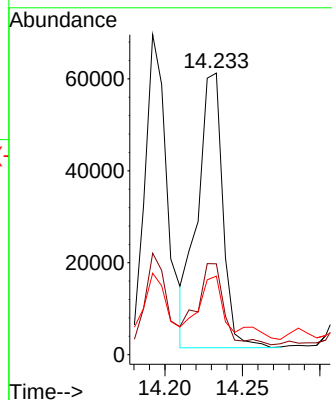
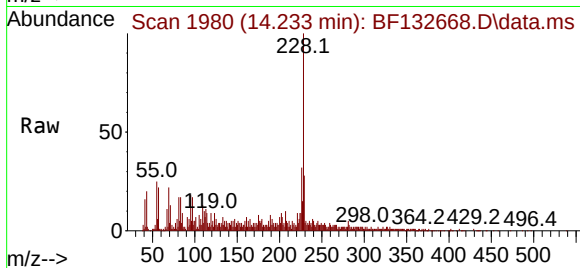
Tgt Ion:228 Resp: 68227

Ion Ratio Lower Upper

228 100

226 32.3 25.0 37.6

229 27.9 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: BF132668.D

Acq: 07 Mar 2023 01:29

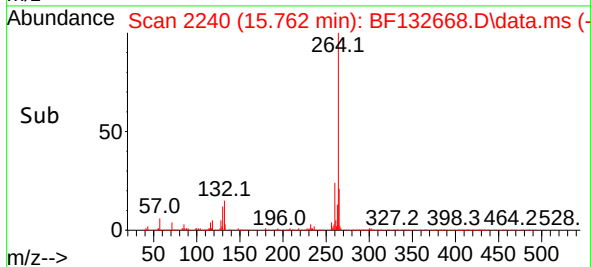
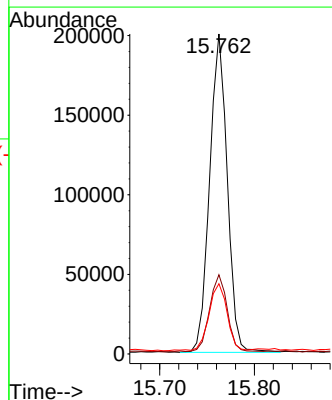
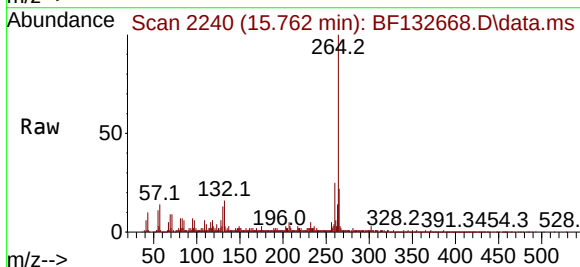
Tgt Ion:264 Resp: 258840

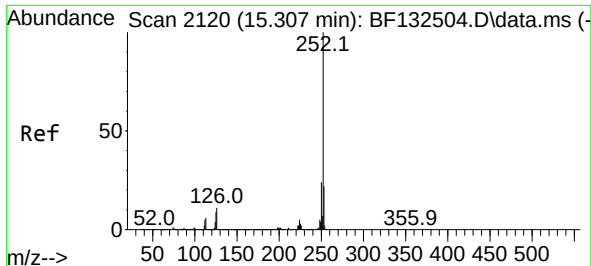
Ion Ratio Lower Upper

264 100

260 24.7 18.8 28.2

265 22.0 17.1 25.7

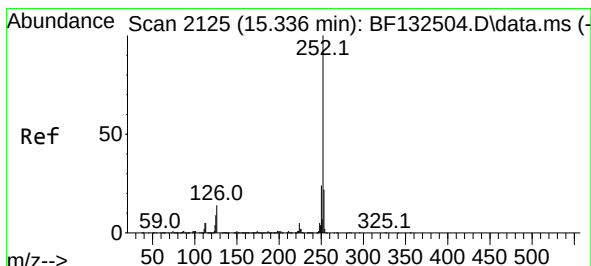
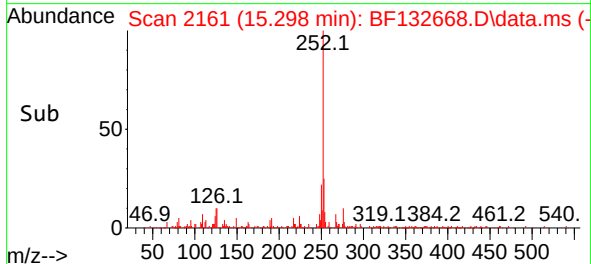
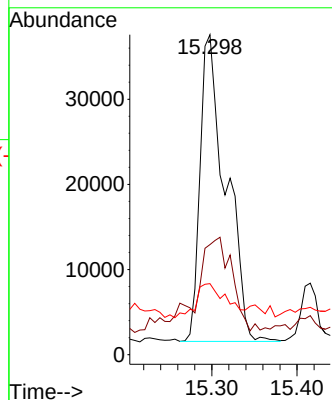
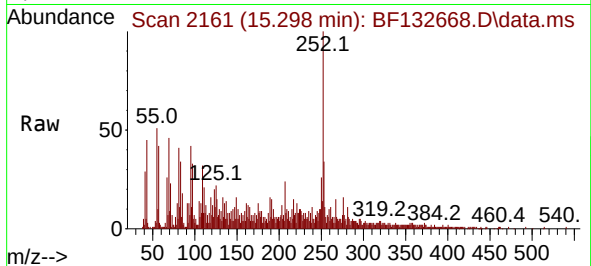




#88
Benzo(b)fluoranthene
Concen: 4.347 ng
RT: 15.298 min Scan# 211
Delta R.T. 0.003 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29

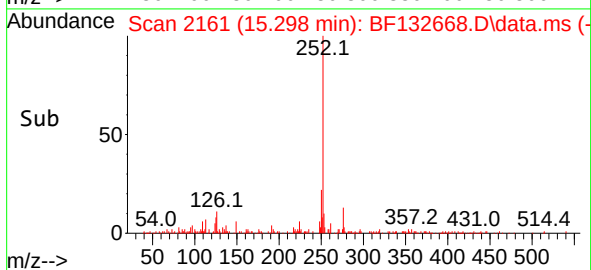
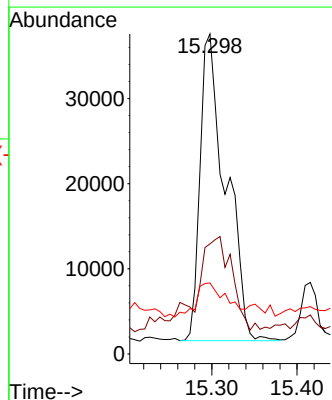
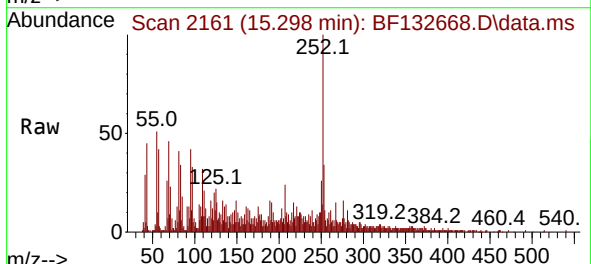
Instrument :
BNA_F
ClientSampleId :
OK-01-03032023

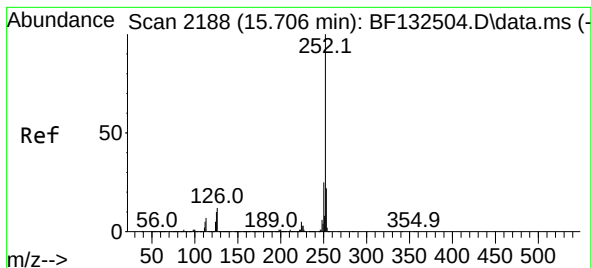
Tgt Ion:252 Resp: 75410
Ion Ratio Lower Upper
252 100
253 34.4 17.4 26.0#
125 22.2 7.0 10.6#



#89
Benzo(k)fluoranthene
Concen: 4.442 ng
RT: 15.298 min Scan# 2161
Delta R.T. -0.026 min
Lab File: BF132668.D
Acq: 07 Mar 2023 01:29

Tgt Ion:252 Resp: 75410
Ion Ratio Lower Upper
252 100
253 34.4 17.5 26.3#
125 22.2 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 2.485 ng

RT: 15.692 min Scan# 2188

Delta R.T. 0.003 min

Lab File: BF132668.D

Acq: 07 Mar 2023 01:29

Instrument :

BNA_F

ClientSampleId :

OK-01-03032023

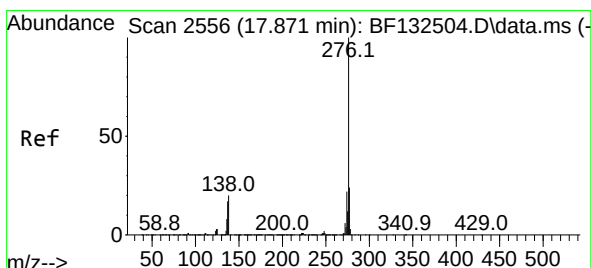
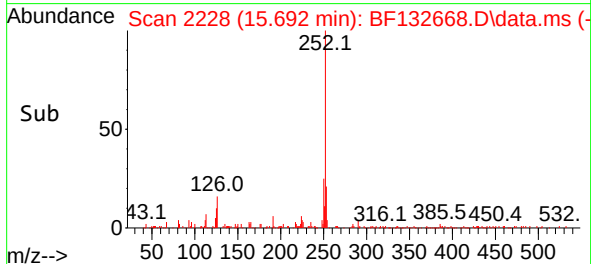
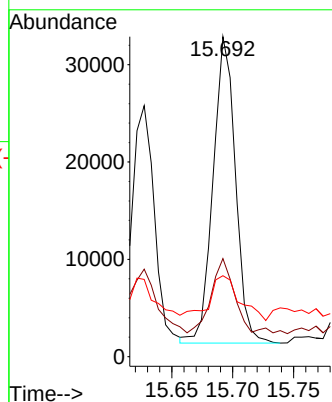
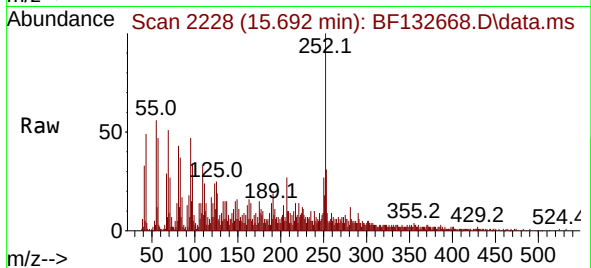
Tgt Ion:252 Resp: 40341

Ion Ratio Lower Upper

252 100

253 30.7 17.2 25.8#

125 25.3 8.0 12.0#



#92

Benzo(g,h,i)perylene

Concen: 3.271 ng

RT: 17.856 min Scan# 2596

Delta R.T. 0.003 min

Lab File: BF132668.D

Acq: 07 Mar 2023 01:29

Tgt Ion:276 Resp: 26773

Ion Ratio Lower Upper

276 100

277 32.3 18.9 28.3#

138 27.3 16.2 24.4#

