

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030923\
 Data File : BF132727.D
 Acq On : 09 Mar 2023 20:07
 Operator : CG\JU
 Sample : 01842-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 10 03:39:37 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 09 16:26:19 2023
 Response via : Initial Calibration

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

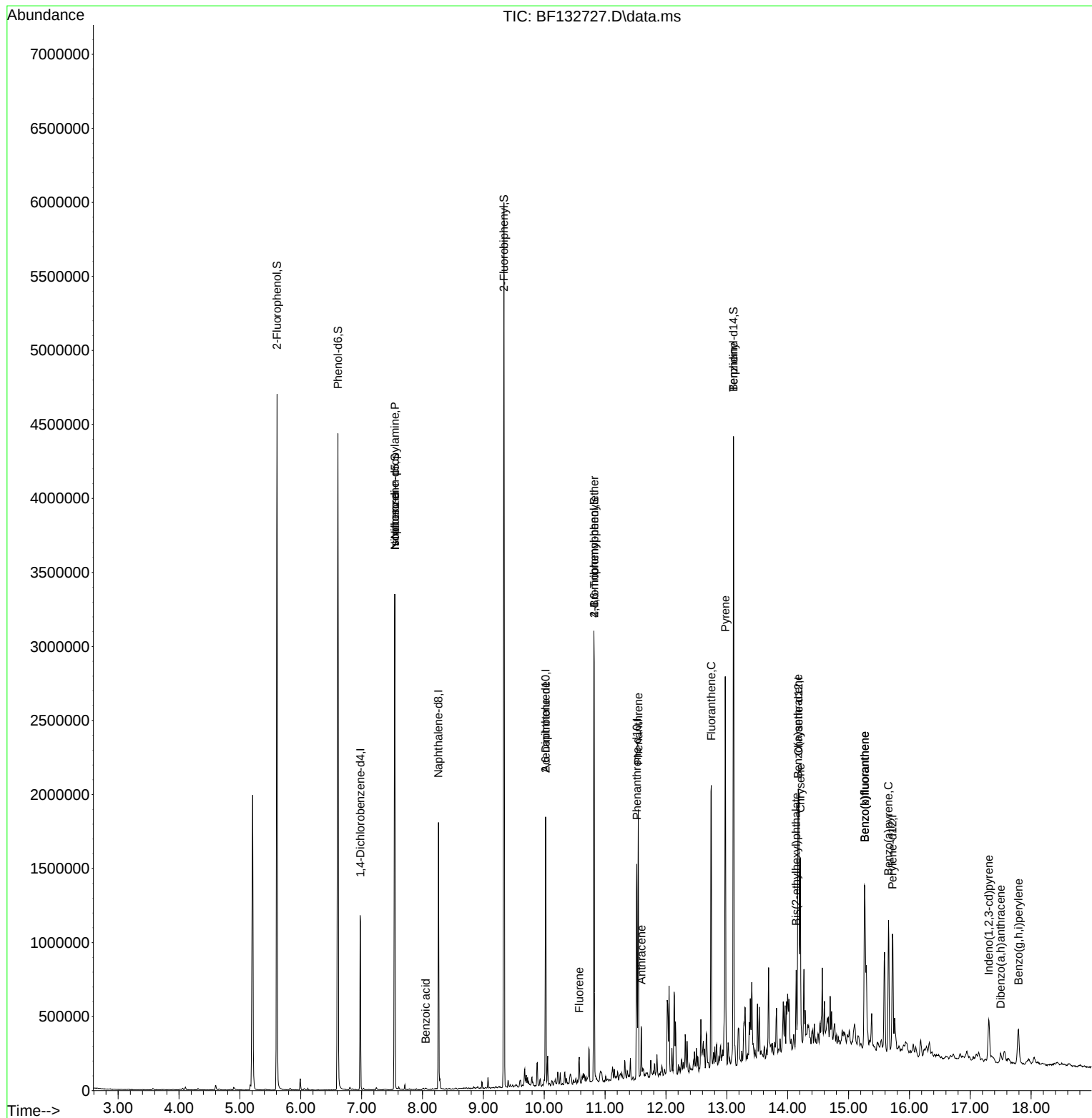
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.981	152	180978	20.000	ng	0.00
21) Naphthalene-d8	8.263	136	687916	20.000	ng	0.00
39) Acenaphthene-d10	10.022	164	347254	20.000	ng	-0.01
64) Phenanthrene-d10	11.522	188	555201	20.000	ng	0.00
76) Chrysene-d12	14.180	240	398810	20.000	ng	# 0.00
86) Perylene-d12	15.721	264	385825	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.610	112	1316360	118.048	ng	0.00
7) Phenol-d6	6.610	99	1687336	115.943	ng	-0.01
23) Nitrobenzene-d5	7.545	82	1074263	74.090	ng	-0.01
42) 2,4,6-Tribromophenol	10.822	330	380455	101.449	ng	0.00
45) 2-Fluorobiphenyl	9.339	172	1695351	74.339	ng	0.00
79) Terphenyl-d14	13.110	244	1478387	62.676	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.545	70	142929	15.958	ng	# 74
25) Isophorone	7.545	82	1072938	38.597	ng	# 67
32) Benzoic acid	8.051	122	360	3.875	ng	# 29
51) 2,6-Dinitrotoluene	10.022	165	45900	7.971	ng	# 22
58) Fluorene	10.575	166	47201	2.010	ng	97
67) 4-Bromophenyl-phenylether	10.822	248	24552	3.909	ng	# 1
71) Phenanthrene	11.545	178	630291	21.914	ng	98
72) Anthracene	11.598	178	143116	4.832	ng	97
75) Fluoranthene	12.745	202	799263	25.420	ng	98
77) Benzidine	13.110	184	20184	2.079	ng	# 95
78) Pyrene	12.974	202	1053639	29.059	ng	99
81) Benzo(a)anthracene	14.168	228	571880	19.165	ng	96
83) Chrysene	14.210	228	577773	20.706	ng	97
84) Bis(2-ethylhexyl)phtha...	14.139	149	141855	8.070	ng	99
87) Indeno(1,2,3-cd)pyrene	17.303	276	199403	7.887	ng	97
88) Benzo(b)fluoranthene	15.268	252	914979	35.387	ng	98
89) Benzo(k)fluoranthene	15.268	252	914979	36.158	ng	98
90) Benzo(a)pyrene	15.657	252	451285	18.649	ng	98
91) Dibenzo(a,h)anthracene	17.498	278	44104	2.141	ng	95
92) Benzo(g,h,i)perylene	17.792	276	200159	9.924	ng	98

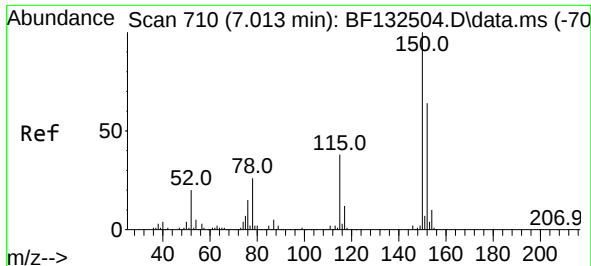
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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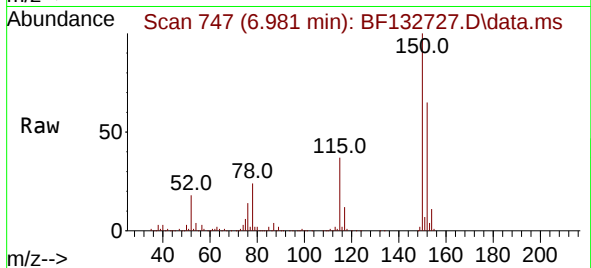
Quant Time: Mar 10 03:39:37 2023
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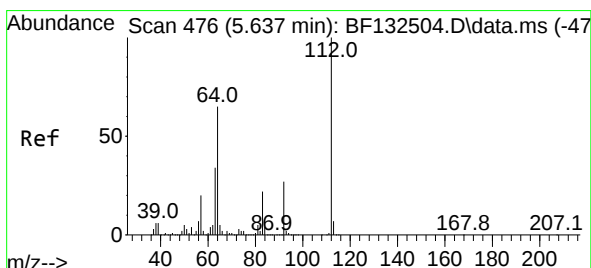
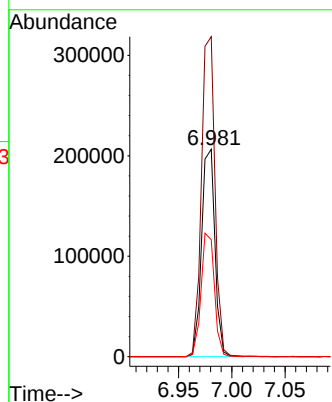
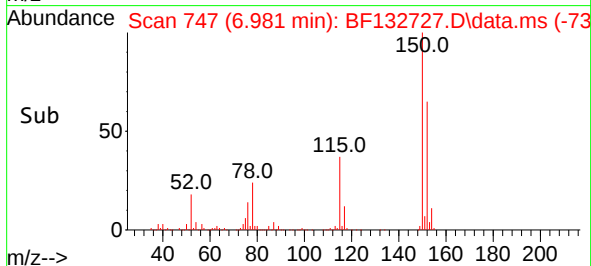


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.981 min Scan# 710
Delta R.T. -0.000 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

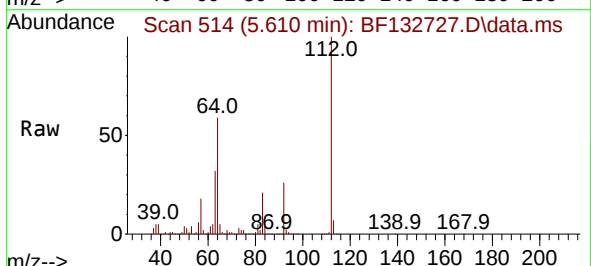
Instrument :
BNA_F
ClientSampleId :



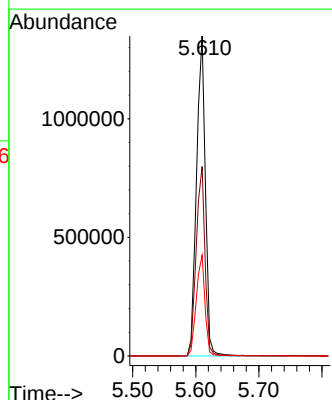
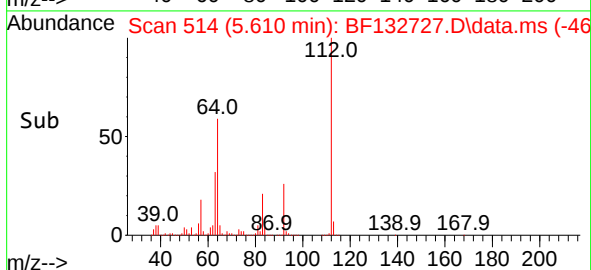
Tgt Ion:152 Resp: 180978
Ion Ratio Lower Upper
152 100
150 154.4 125.4 188.2
115 56.5 47.8 71.6

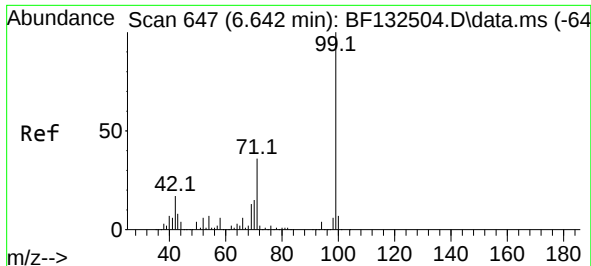


#5
2-Fluorophenol
Concen: 118.048 ng
RT: 5.610 min Scan# 514
Delta R.T. 0.000 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07



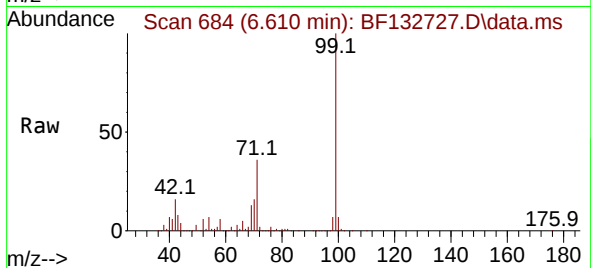
Tgt Ion:112 Resp: 1316360
Ion Ratio Lower Upper
112 100
64 59.2 51.6 77.4
63 31.5 27.4 41.2





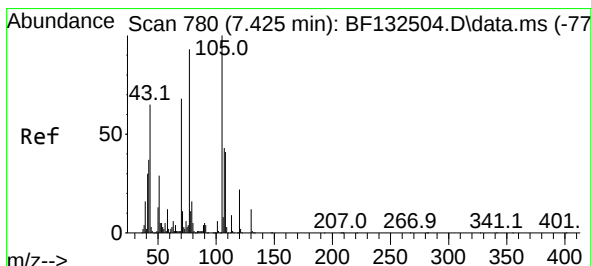
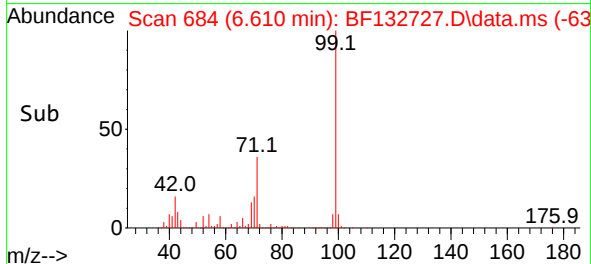
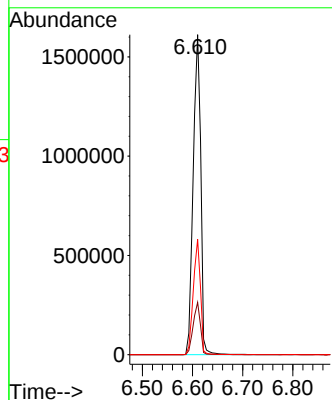
#7
Phenol-d6
Concen: 115.943 ng
RT: 6.610 min Scan# 61
Delta R.T. -0.012 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

Instrument :
BNA_F
ClientSampleId :



Tgt Ion: 99 Resp: 1687336

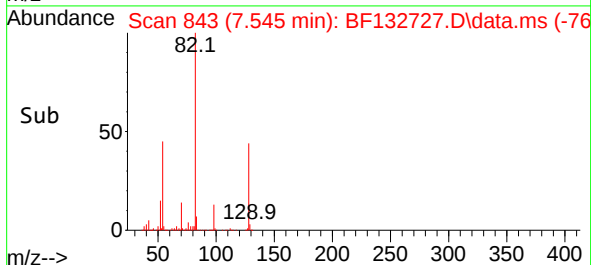
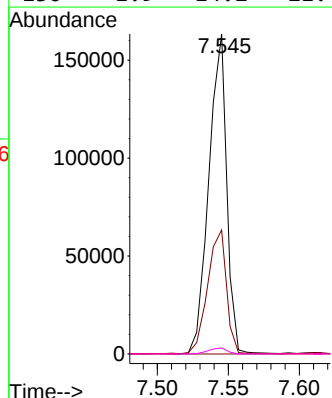
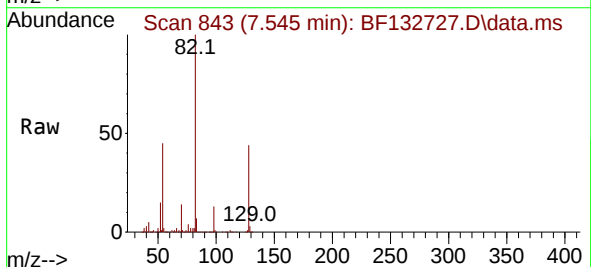
Ion	Ratio	Lower	Upper
99	100		
42	16.4	13.9	20.9
71	36.0	28.5	42.7

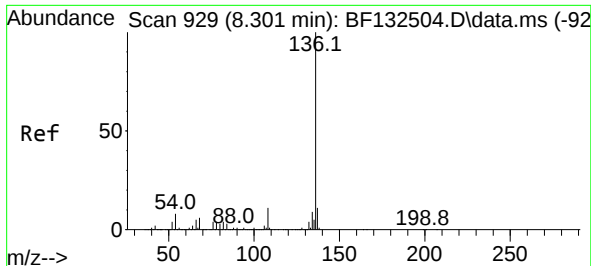


#19
n-Nitroso-di-n-propylamine
Concen: 15.958 ng
RT: 7.545 min Scan# 843
Delta R.T. 0.147 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

Tgt Ion: 70 Resp: 142929

Ion	Ratio	Lower	Upper
70	100		
42	38.7	44.1	66.1#
101	0.0	7.4	11.2#
130	1.9	14.2	21.4#



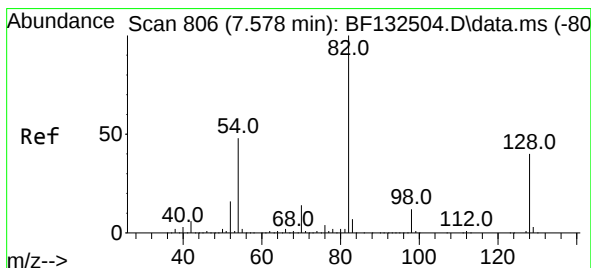
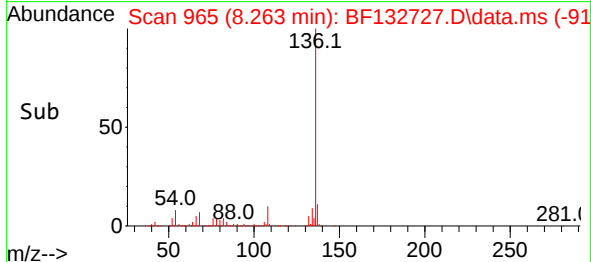
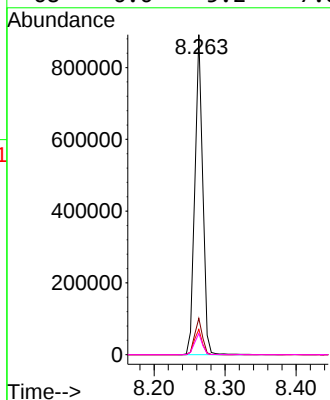
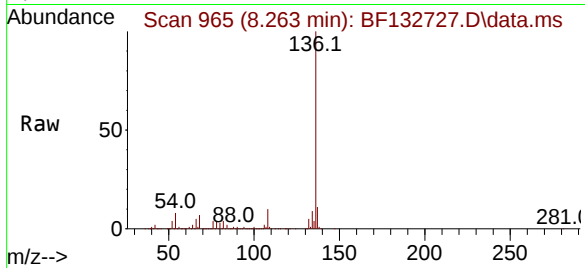


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.263 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 687916

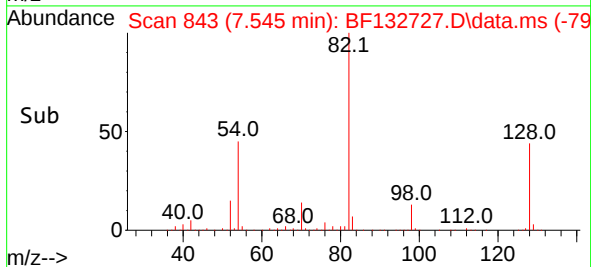
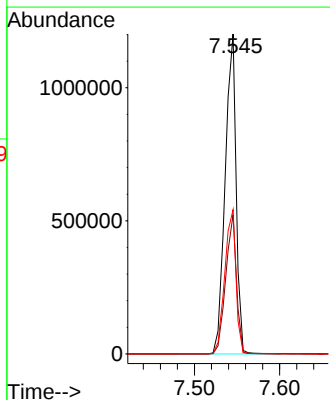
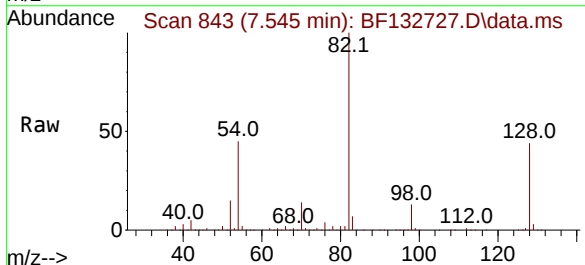
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.9	6.2	9.4
68	6.6	5.2	7.8

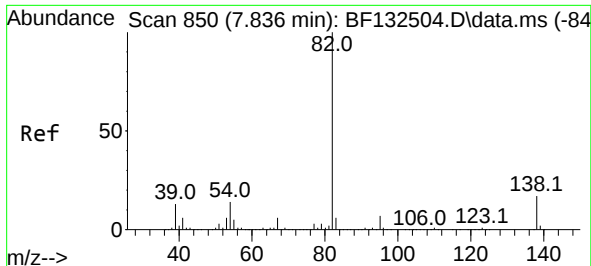


#23
Nitrobenzene-d5
Concen: 74.090 ng
RT: 7.545 min Scan# 843
Delta R.T. -0.012 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

Tgt Ion: 82 Resp: 1074263

Ion	Ratio	Lower	Upper
82	100		
128	43.5	32.2	48.2
54	45.1	38.4	57.6

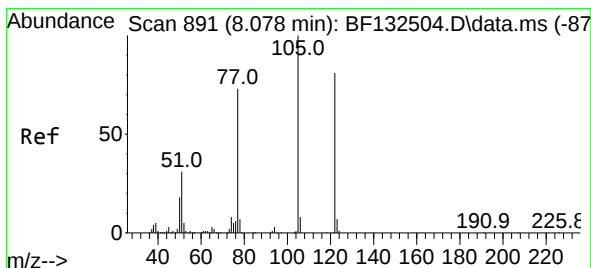
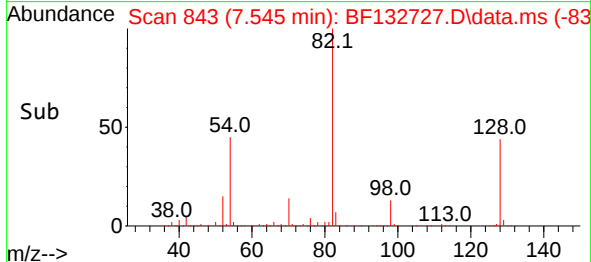
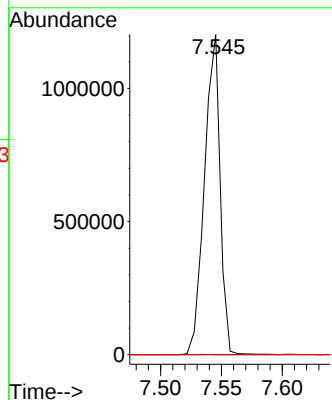
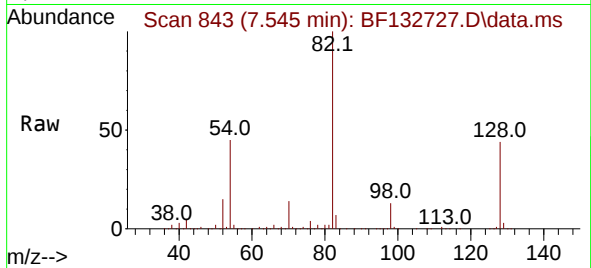




#25
Isophorone
Concen: 38.597 ng
RT: 7.545 min Scan# 84
Delta R.T. -0.265 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

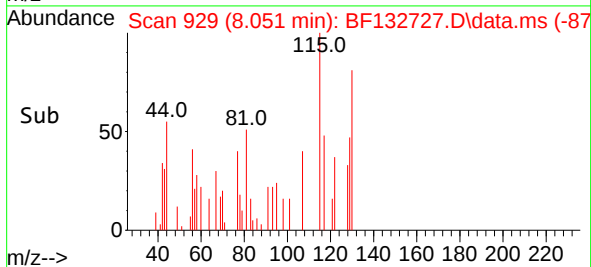
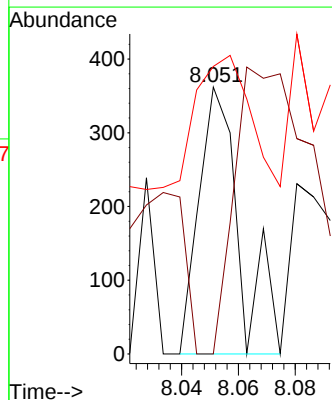
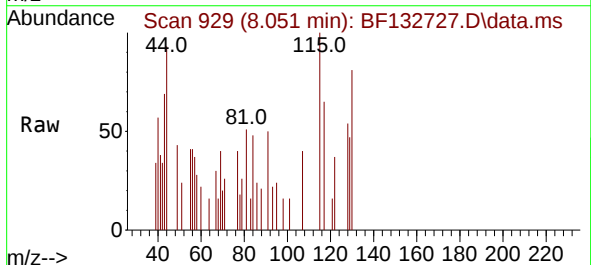
Instrument :
BNA_F
ClientSampleId :

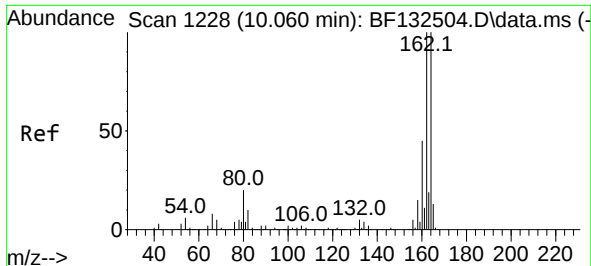
Tgt Ion: 82 Resp: 1072938
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.875 ng
RT: 8.051 min Scan# 929
Delta R.T. 0.000 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

Tgt Ion:122 Resp: 360
Ion Ratio Lower Upper
122 100
105 0.0 102.6 142.6#
77 107.7 70.2 110.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.022 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF132727.D

Acq: 09 Mar 2023 20:07

Instrument :

BNA_F

ClientSampleId :

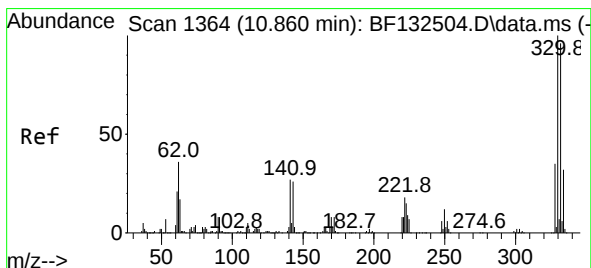
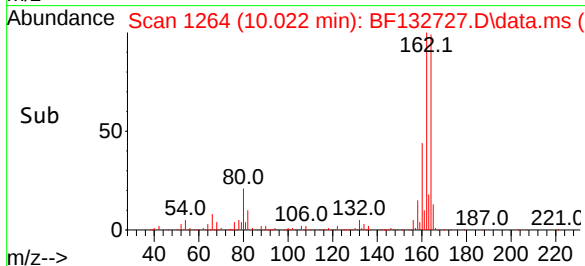
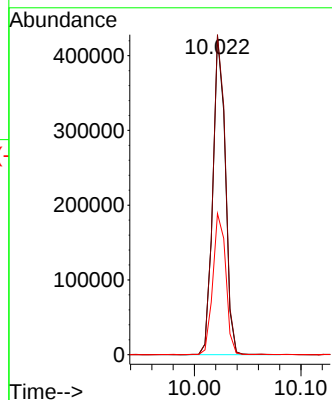
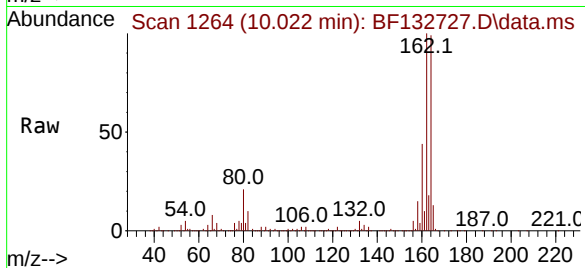
Tgt Ion:164 Resp: 347254

Ion Ratio Lower Upper

164 100

162 100.6 79.8 119.8

160 44.3 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 101.449 ng

RT: 10.822 min Scan# 1400

Delta R.T. -0.006 min

Lab File: BF132727.D

Acq: 09 Mar 2023 20:07

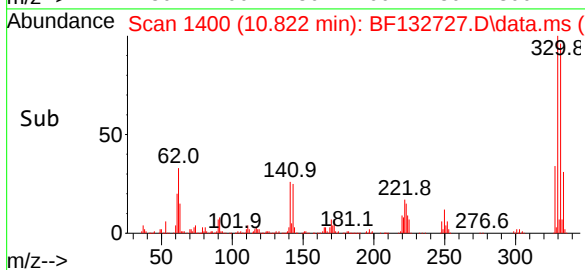
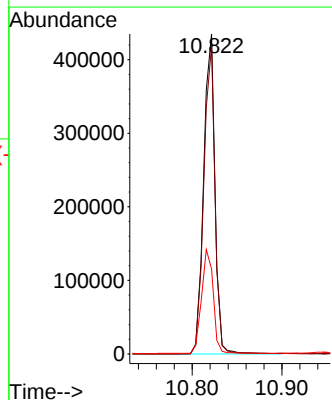
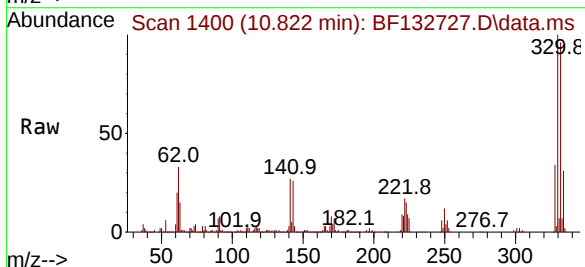
Tgt Ion:330 Resp: 380455

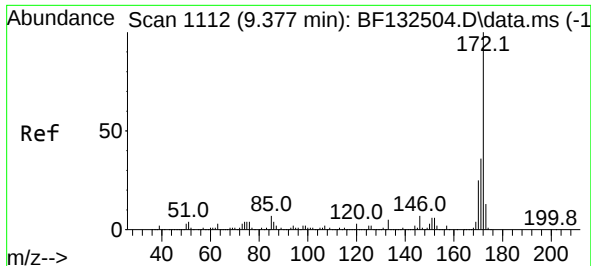
Ion Ratio Lower Upper

330 100

332 95.2 76.2 114.4

141 33.3 28.4 42.6





#45

2-Fluorobiphenyl

Concen: 74.339 ng

RT: 9.339 min Scan# 1112

Delta R.T. -0.006 min

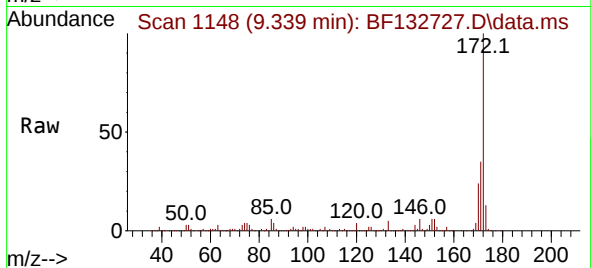
Lab File: BF132727.D

Acq: 09 Mar 2023 20:07

Instrument :

BNA_F

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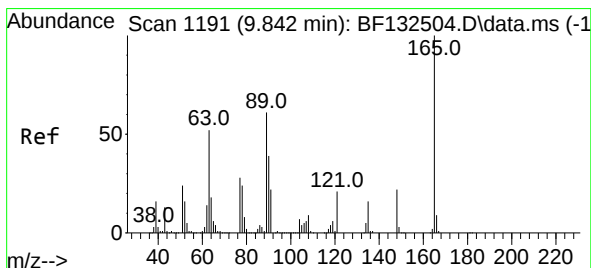
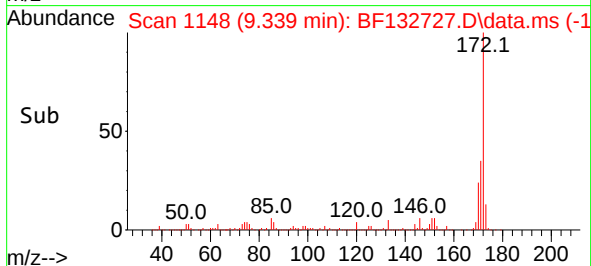
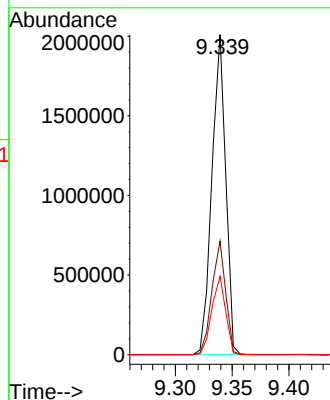
Tgt Ion:172 Resp: 1695351

Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 24.4 19.7 29.5



#51

2,6-Dinitrotoluene

Concen: 7.971 ng

RT: 10.022 min Scan# 1264

Delta R.T. 0.206 min

Lab File: BF132727.D

Acq: 09 Mar 2023 20:07

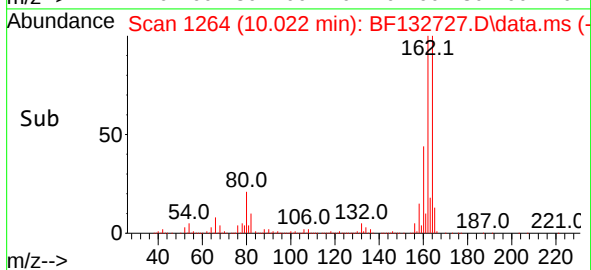
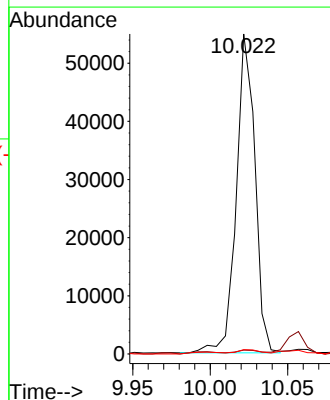
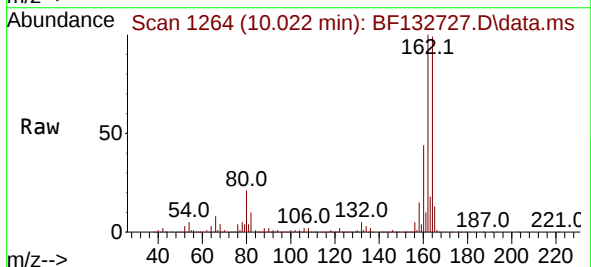
Tgt Ion:165 Resp: 45900

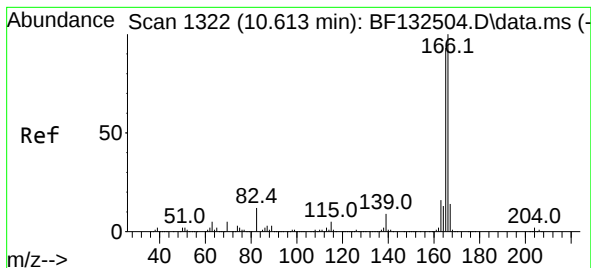
Ion Ratio Lower Upper

165 100

63 1.2 47.3 70.9#

89 1.3 48.9 73.3#





#58

Fluorene

Concen: 2.010 ng

RT: 10.575 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF132727.D

Acq: 09 Mar 2023 20:07

Instrument :

BNA_F

ClientSampleId :

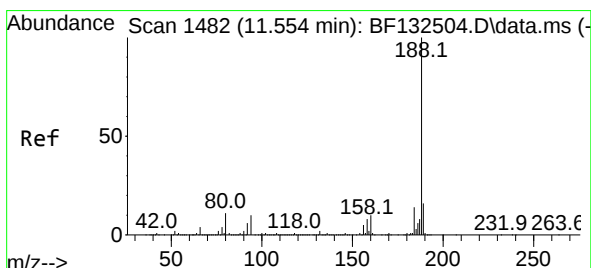
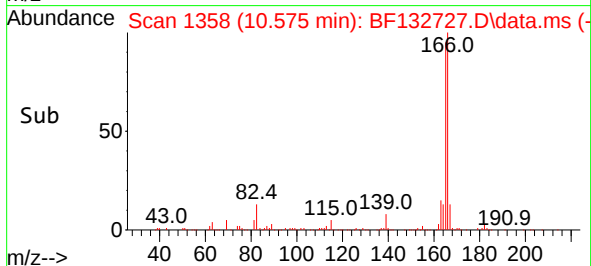
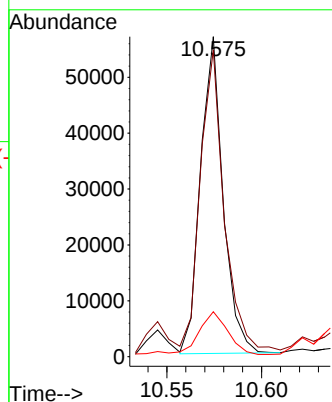
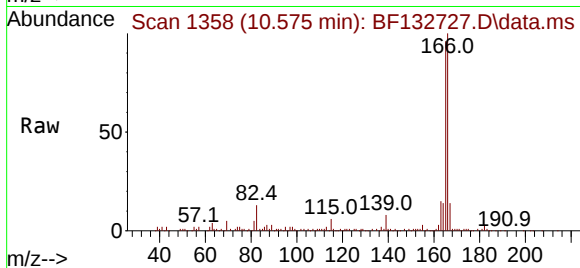
Tgt Ion:166 Resp: 47201

Ion Ratio Lower Upper

166 100

165 95.9 74.2 111.4

167 14.1 11.1 16.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.522 min Scan# 1519

Delta R.T. -0.006 min

Lab File: BF132727.D

Acq: 09 Mar 2023 20:07

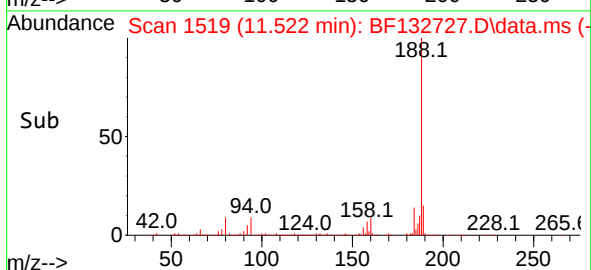
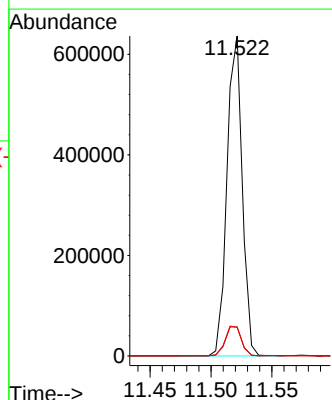
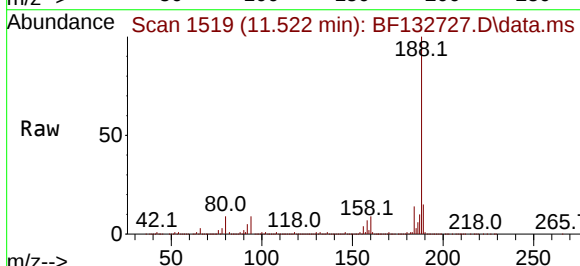
Tgt Ion:188 Resp: 555201

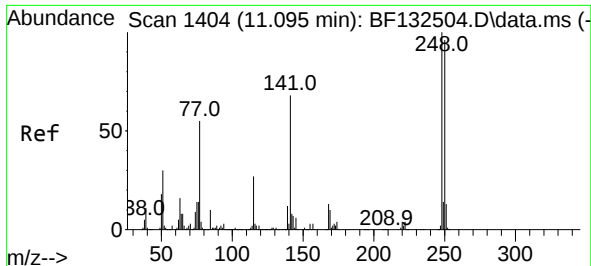
Ion Ratio Lower Upper

188 100

94 9.1 8.3 12.5

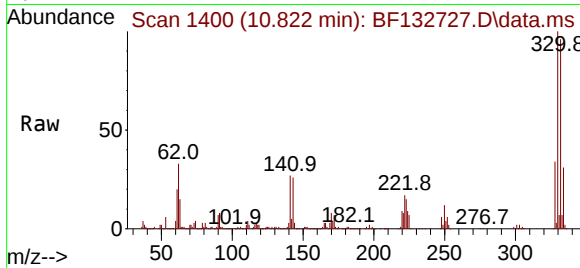
80 9.0 8.7 13.1



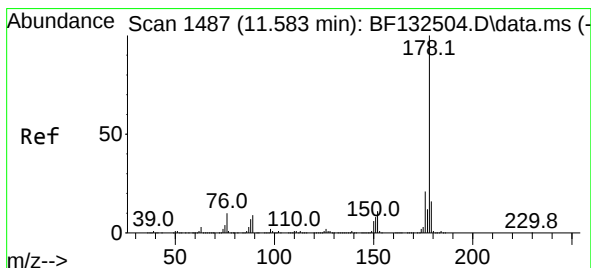
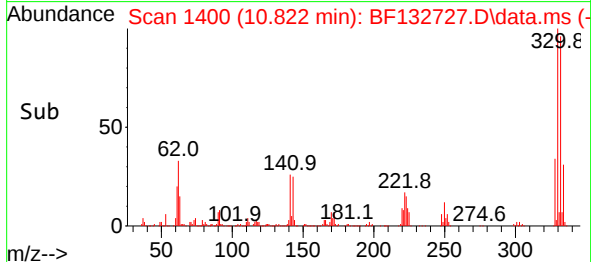
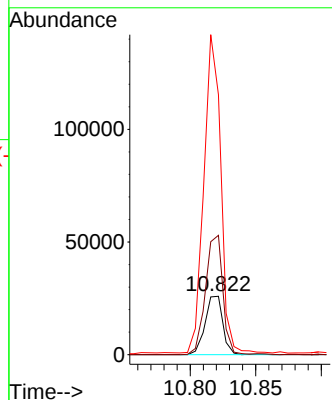


#67
4-Bromophenyl-phenylether
Concen: 3.909 ng
RT: 10.822 min Scan# 14
Delta R.T. -0.241 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

Instrument :
BNA_F
ClientSampleId :

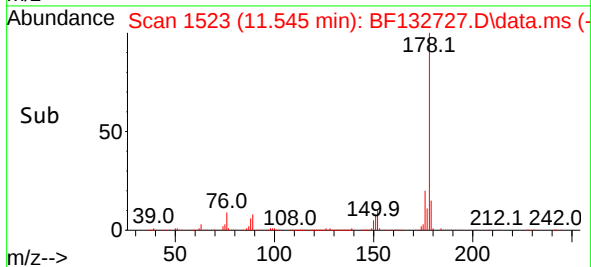
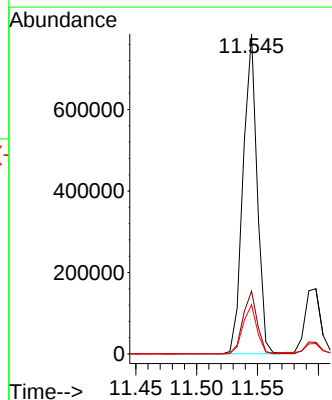
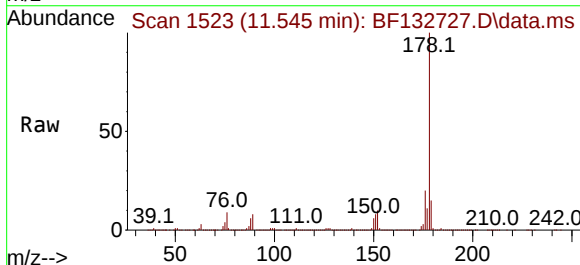


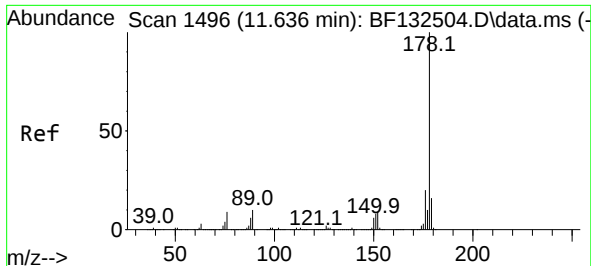
Tgt Ion:248 Resp: 24552
Ion Ratio Lower Upper
248 100
250 204.4 77.0 115.4#
141 445.6 54.2 81.2#



#71
Phenanthrene
Concen: 21.914 ng
RT: 11.545 min Scan# 1523
Delta R.T. -0.012 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

Tgt Ion:178 Resp: 630291
Ion Ratio Lower Upper
178 100
176 19.7 16.5 24.7
179 15.3 13.0 19.6

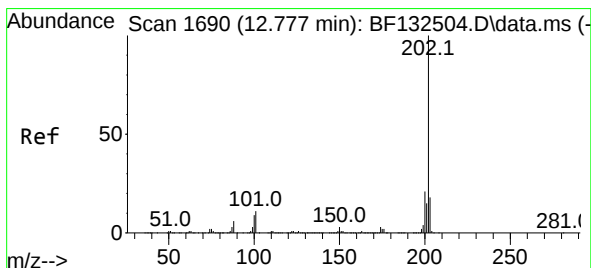
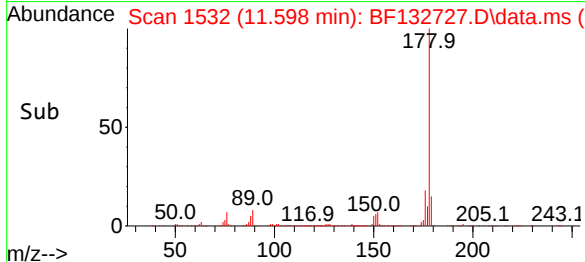
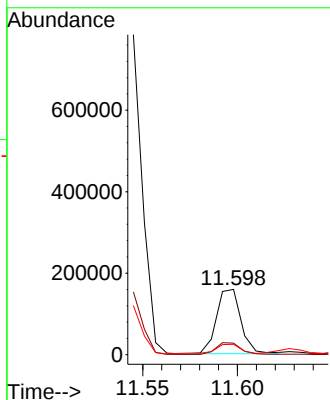
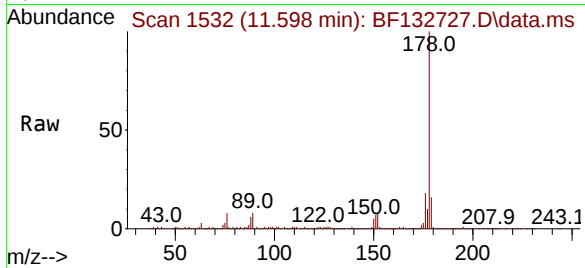




#72
 Anthracene
 Concen: 4.832 ng
 RT: 11.598 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF132727.D
 Acq: 09 Mar 2023 20:07

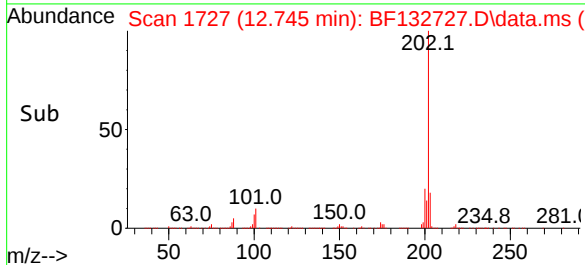
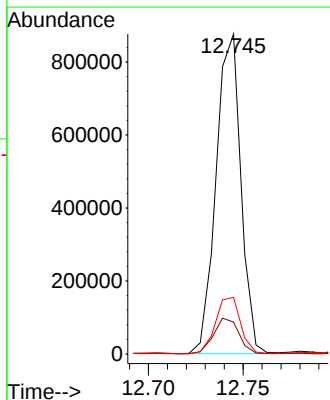
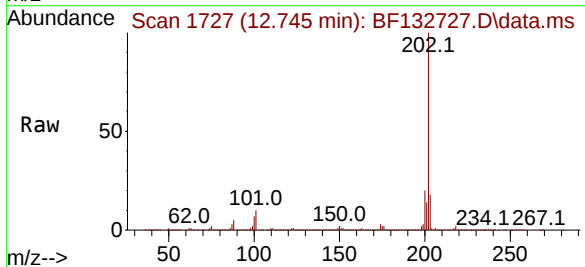
Instrument :
 BNA_F
 ClientSampleId :

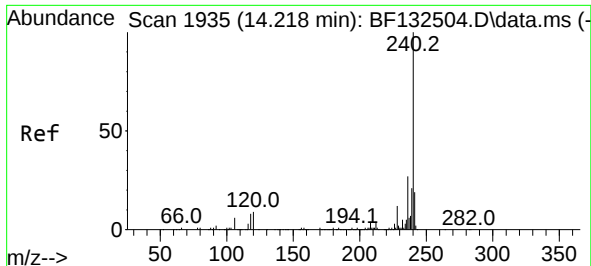
Tgt Ion:178 Resp: 143116
 Ion Ratio Lower Upper
 178 100
 176 17.7 15.6 23.4
 179 16.0 12.5 18.7



#75
 Fluoranthene
 Concen: 25.420 ng
 RT: 12.745 min Scan# 1727
 Delta R.T. -0.006 min
 Lab File: BF132727.D
 Acq: 09 Mar 2023 20:07

Tgt Ion:202 Resp: 799263
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 31.4
 203 17.7 0.0 38.0

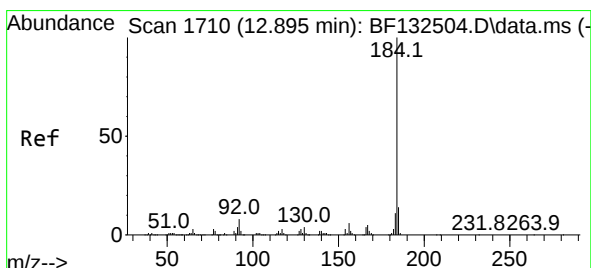
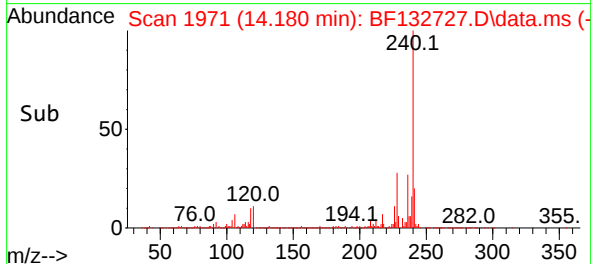
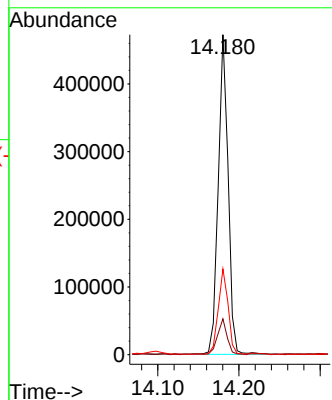
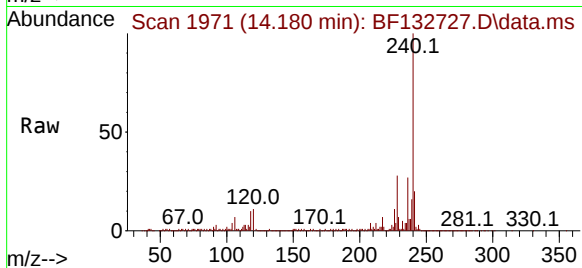




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.180 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

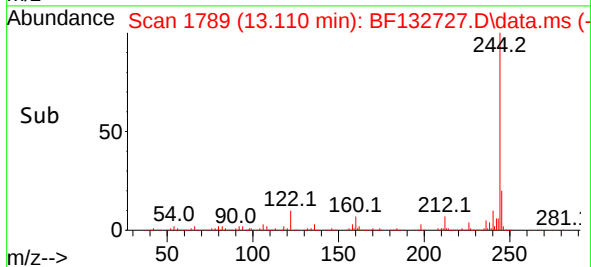
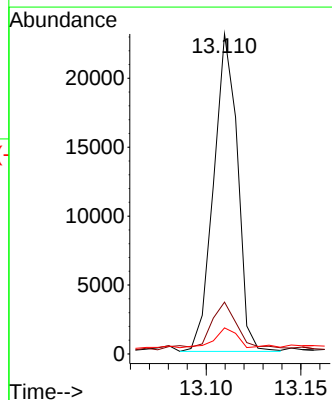
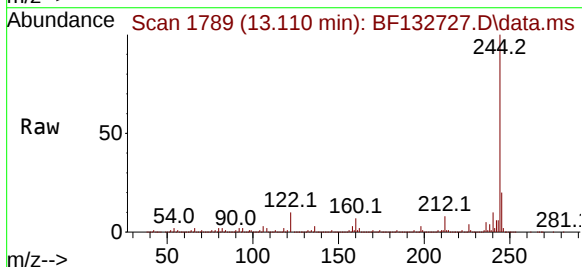
Instrument :
BNA_F
ClientSampleId :

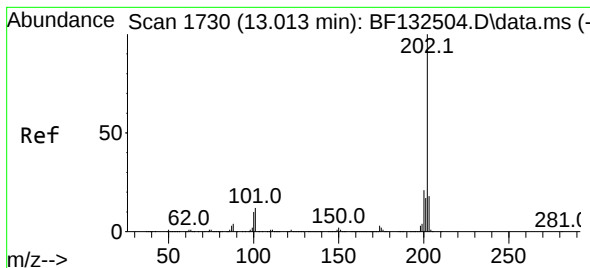
Tgt Ion:240 Resp: 398810
Ion Ratio Lower Upper
240 100
120 11.2 7.2 10.8#
236 26.8 21.8 32.6



#77
Benzidine
Concen: 2.079 ng
RT: 13.110 min Scan# 1789
Delta R.T. 0.241 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

Tgt Ion:184 Resp: 20184
Ion Ratio Lower Upper
184 100
185 16.2 11.7 17.5
183 8.2 8.7 13.1#





#78

Pyrene

Concen: 29.059 ng

RT: 12.974 min Scan# 1766

Delta R.T. -0.006 min

Lab File: BF132727.D

Acq: 09 Mar 2023 20:07

Instrument :

BNA_F

ClientSampleId :

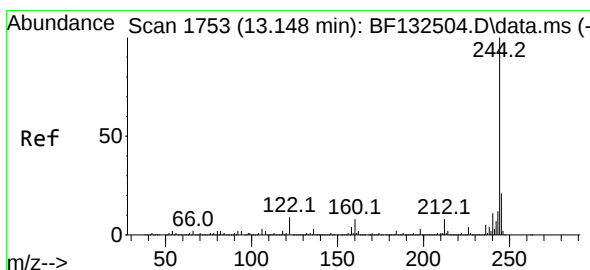
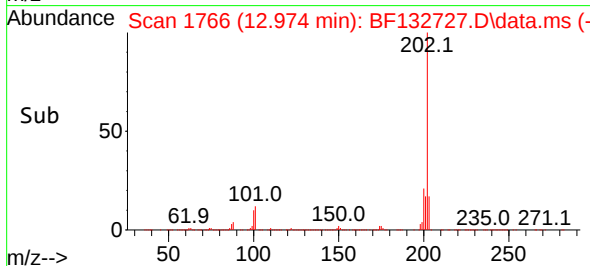
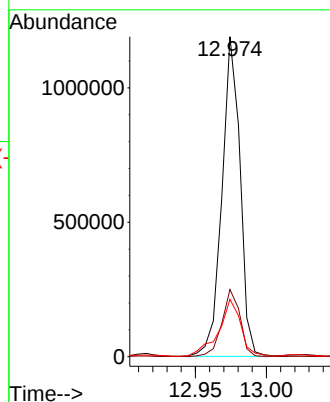
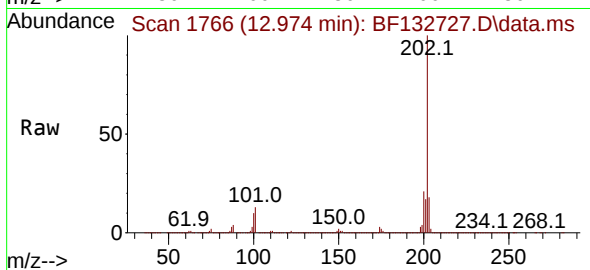
Tgt Ion:202 Resp: 1053639

Ion Ratio Lower Upper

202 100

200 21.0 17.1 25.7

203 17.9 14.6 21.8



#79

Terphenyl-d14

Concen: 62.676 ng

RT: 13.110 min Scan# 1789

Delta R.T. -0.006 min

Lab File: BF132727.D

Acq: 09 Mar 2023 20:07

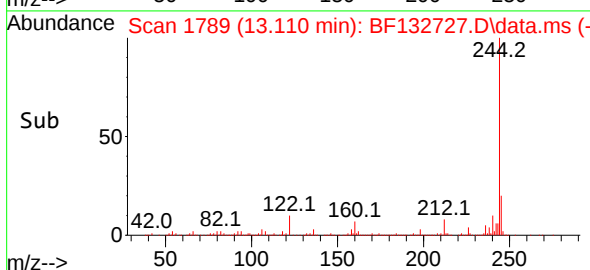
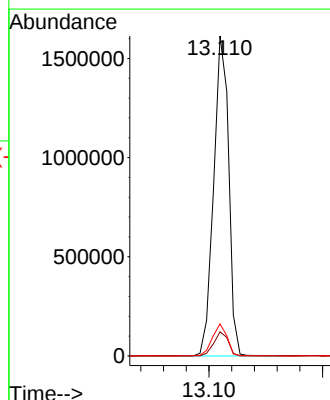
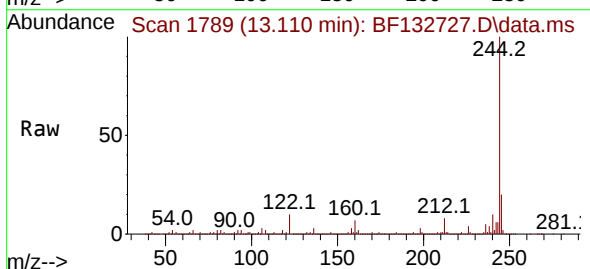
Tgt Ion:244 Resp: 1478387

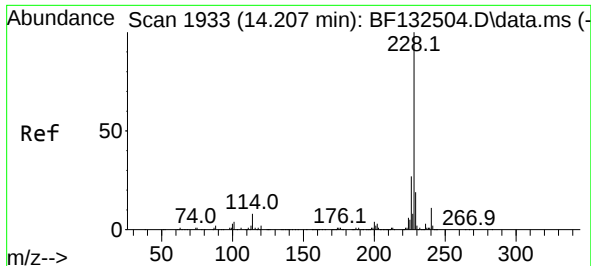
Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

122 10.0 7.5 11.3

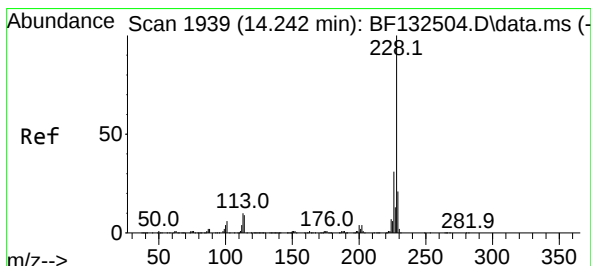
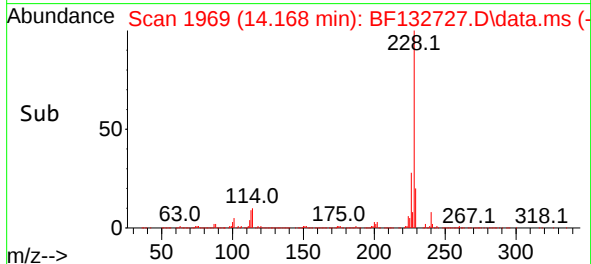
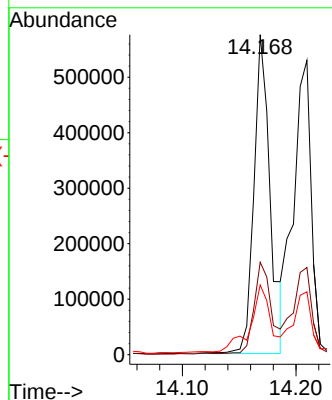
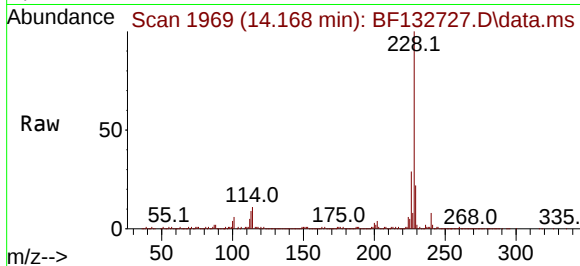




#81
Benzo(a)anthracene
Concen: 19.165 ng
RT: 14.168 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

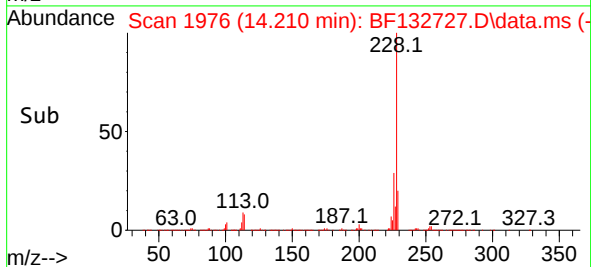
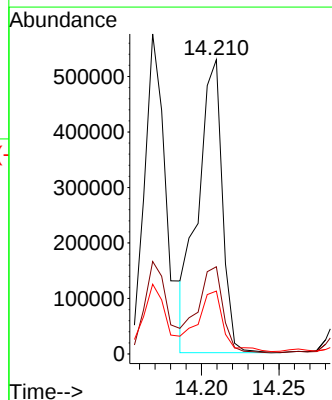
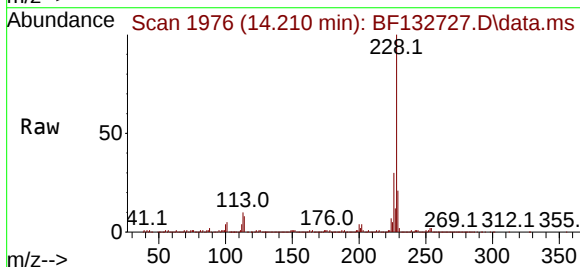
Instrument :
BNA_F
ClientSampleId :

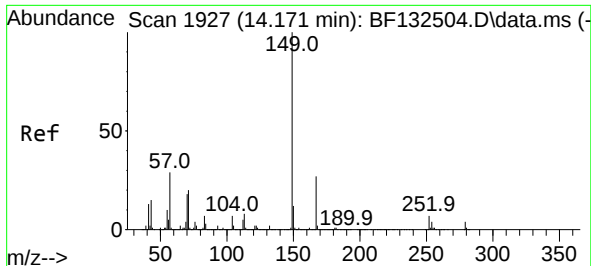
Tgt Ion:228 Resp: 571880
Ion Ratio Lower Upper
228 100
226 28.9 21.7 32.5
229 21.8 15.4 23.2



#83
Chrysene
Concen: 20.706 ng
RT: 14.210 min Scan# 1976
Delta R.T. -0.006 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

Tgt Ion:228 Resp: 577773
Ion Ratio Lower Upper
228 100
226 29.7 25.0 37.6
229 21.4 16.4 24.6

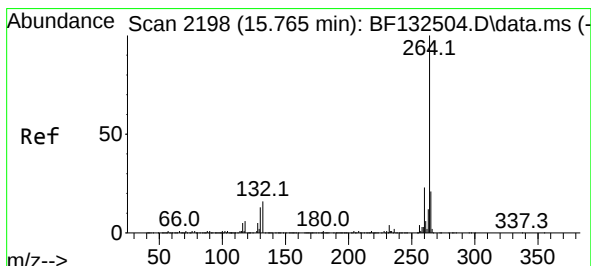
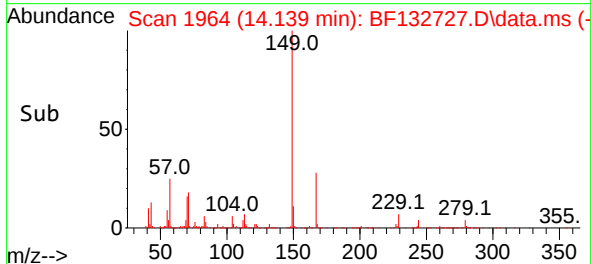
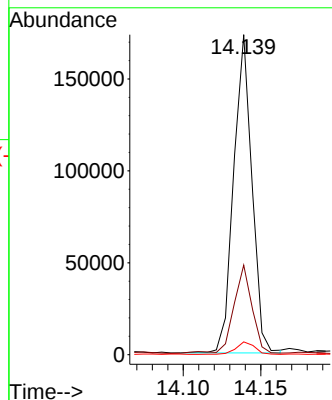
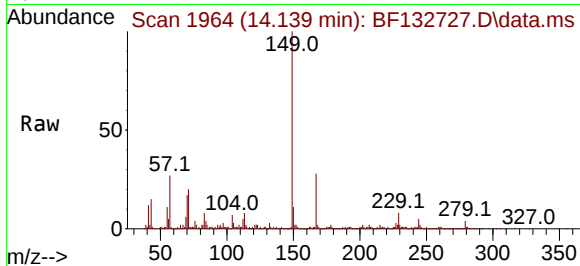




#84
Bis(2-ethylhexyl)phthalate
Concen: 8.070 ng
RT: 14.139 min Scan# 1927
Delta R.T. -0.006 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

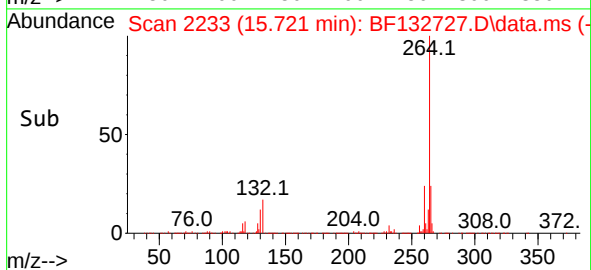
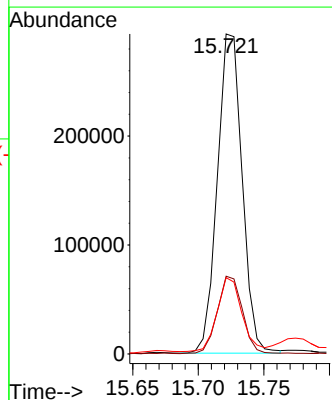
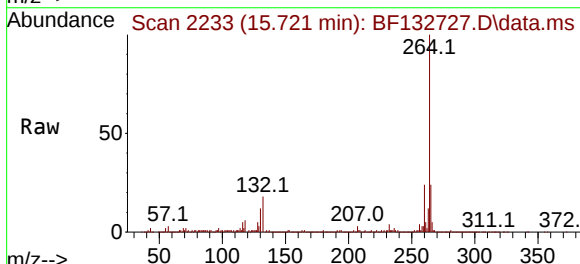
Instrument :
BNA_F
ClientSampleId :

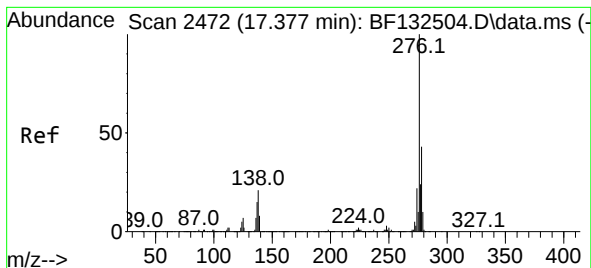
Tgt Ion:149 Resp: 141855
Ion Ratio Lower Upper
149 100
167 28.0 21.8 32.6
279 4.0 3.0 4.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.721 min Scan# 2233
Delta R.T. -0.006 min
Lab File: BF132727.D
Acq: 09 Mar 2023 20:07

Tgt Ion:264 Resp: 385825
Ion Ratio Lower Upper
264 100
260 24.3 18.8 28.2
265 23.9 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.887 ng

RT: 17.303 min Scan# 2150

Delta R.T. -0.023 min

Lab File: BF132727.D

Acq: 09 Mar 2023 20:07

Instrument :

BNA_F

ClientSampleId :

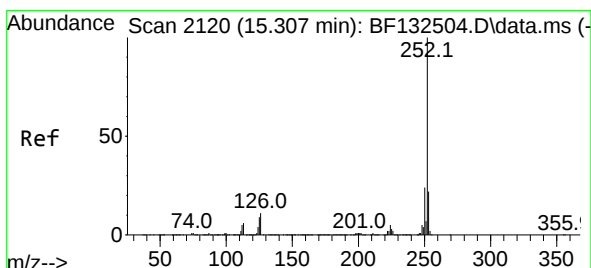
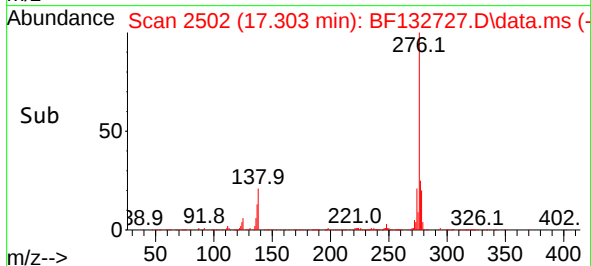
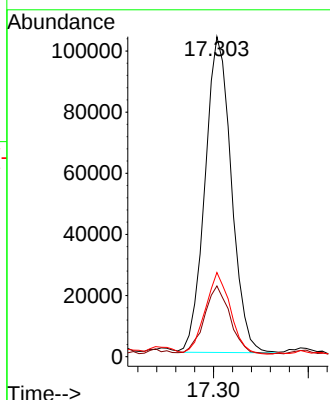
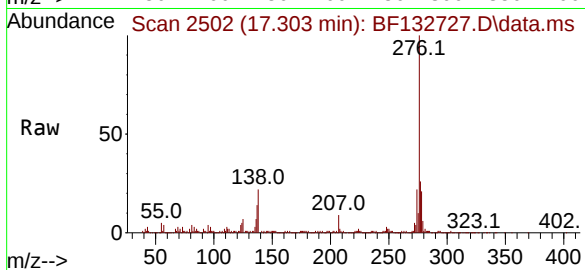
Tgt Ion:276 Resp: 199403

Ion Ratio Lower Upper

276 100

138 20.9 19.0 28.4

277 25.0 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 35.387 ng

RT: 15.268 min Scan# 2156

Delta R.T. 0.000 min

Lab File: BF132727.D

Acq: 09 Mar 2023 20:07

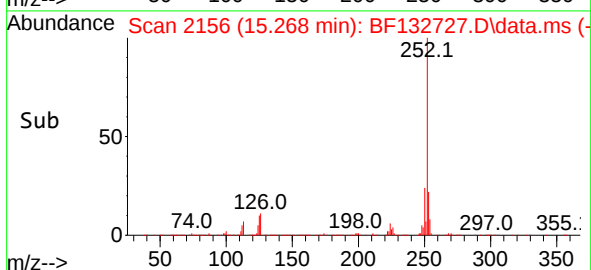
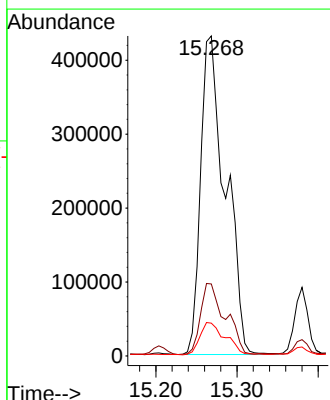
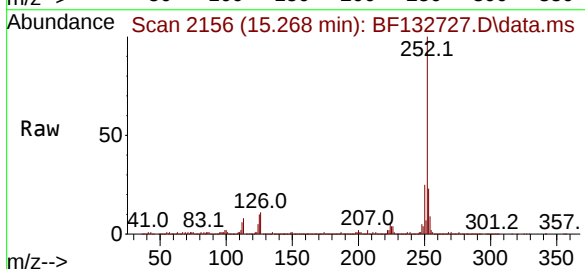
Tgt Ion:252 Resp: 914979

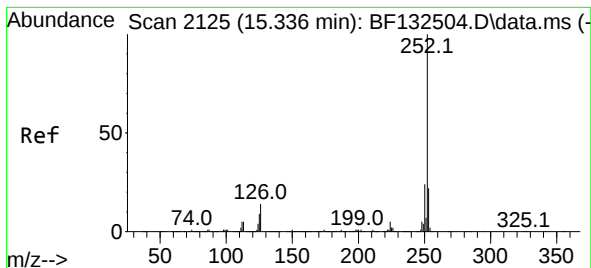
Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 10.2 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 36.158 ng

RT: 15.268 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF132727.D

Acq: 09 Mar 2023 20:07

Instrument :

BNA_F

ClientSampleId :

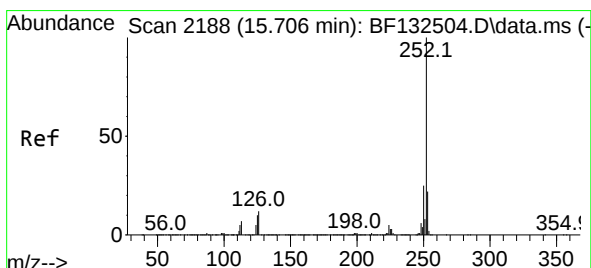
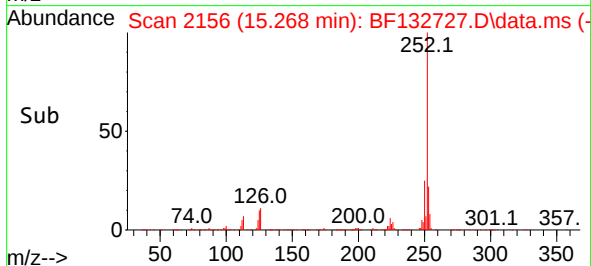
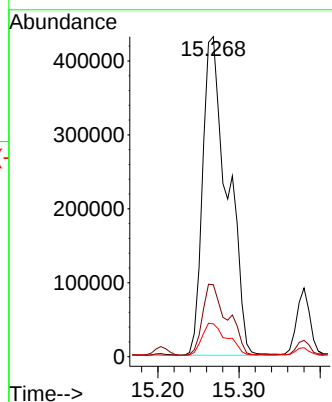
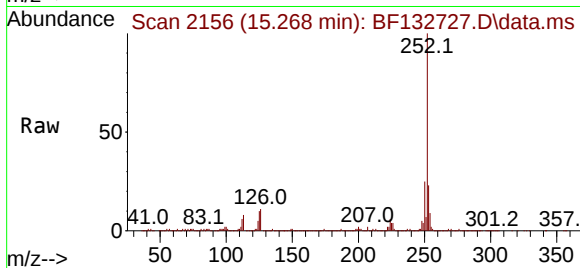
Tgt Ion:252 Resp: 914979

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 10.2 7.2 10.8



#90

Benzo(a)pyrene

Concen: 18.649 ng

RT: 15.657 min Scan# 2222

Delta R.T. -0.006 min

Lab File: BF132727.D

Acq: 09 Mar 2023 20:07

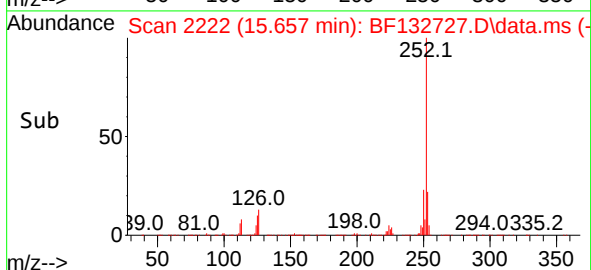
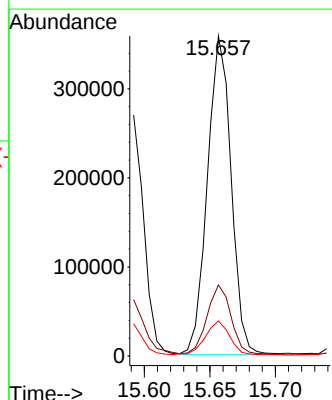
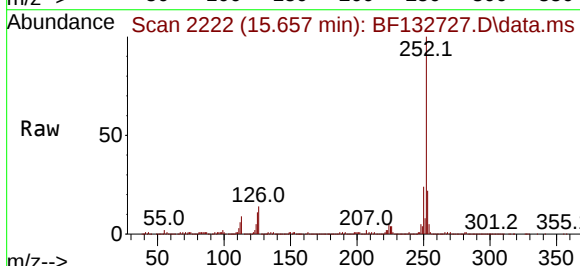
Tgt Ion:252 Resp: 451285

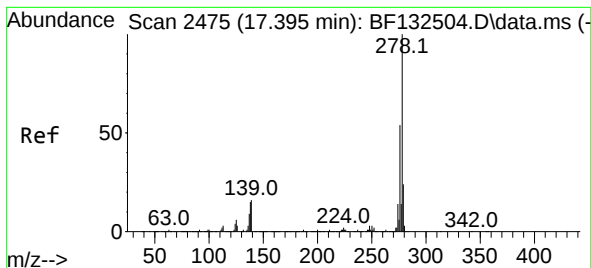
Ion Ratio Lower Upper

252 100

253 22.2 17.2 25.8

125 11.0 8.0 12.0





#91

Dibenzo(a,h)anthracene

Concen: 2.141 ng

RT: 17.498 min Scan# 21

Delta R.T. 0.153 min

Lab File: BF132727.D

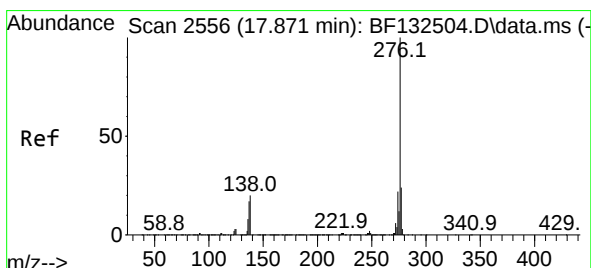
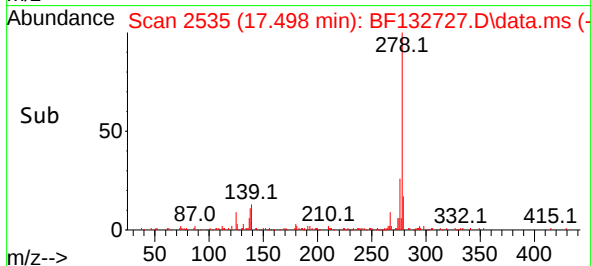
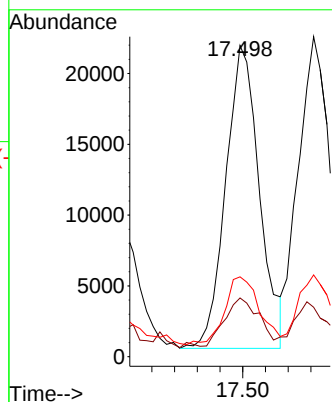
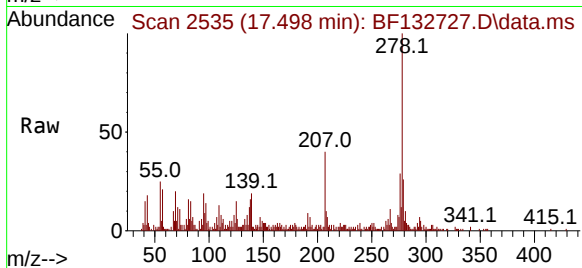
Acq: 09 Mar 2023 20:07

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:278	Resp:	44104
Ion Ratio	Lower	Upper
278	100	
139	18.9	13.0 19.4
279	25.7	19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 9.924 ng

RT: 17.792 min Scan# 2585

Delta R.T. -0.023 min

Lab File: BF132727.D

Acq: 09 Mar 2023 20:07

Tgt Ion:276	Resp:	200159
Ion Ratio	Lower	Upper
276	100	
277	23.9	18.9 28.3
138	22.1	16.2 24.4

