

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030123\
 Data File : BF132602.D
 Acq On : 01 Mar 2023 20:58
 Operator : CG\JU
 Sample : 01725-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-022723

Quant Time: Mar 02 03:21:44 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)

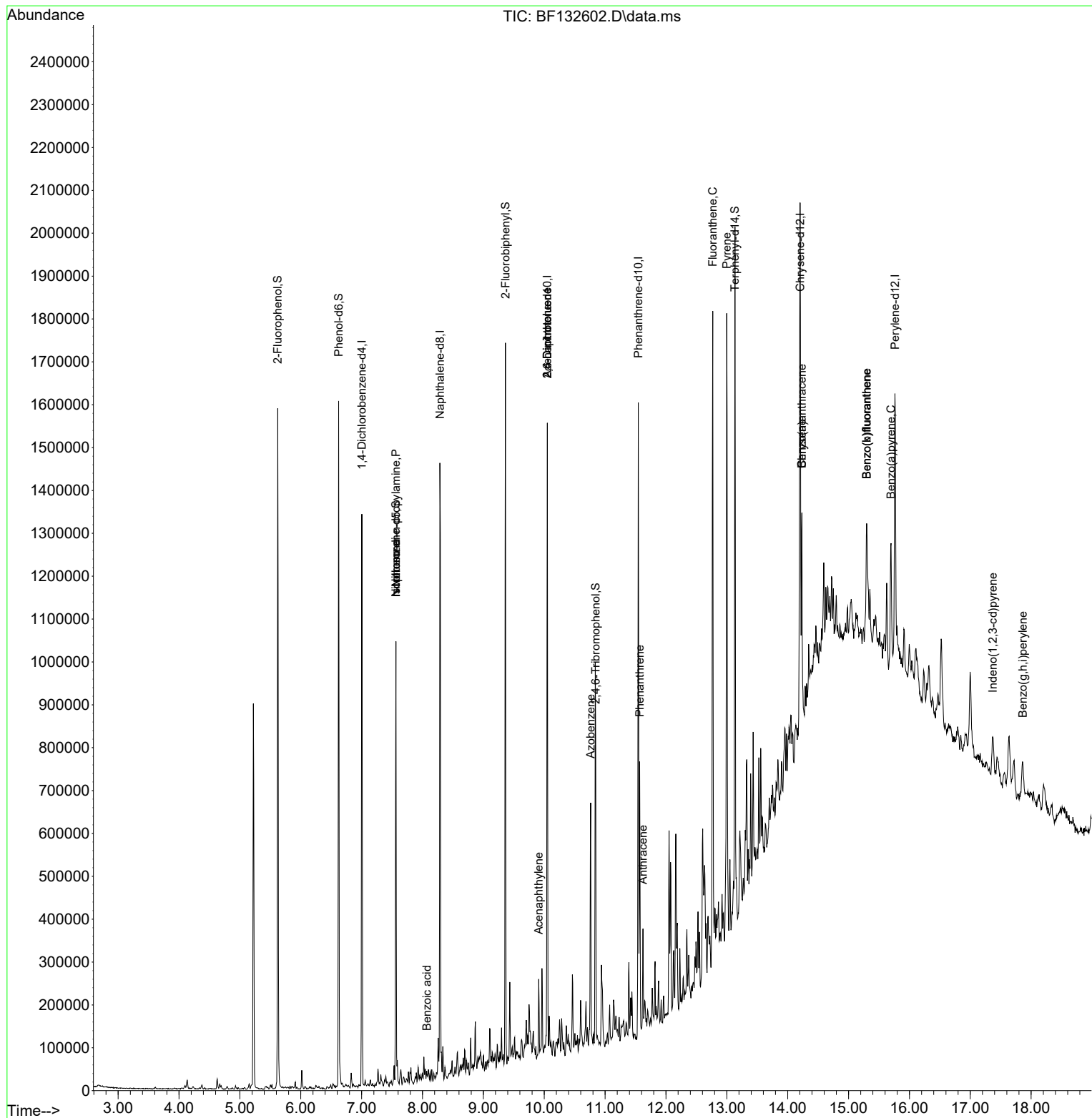
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.004	152	183836	20.000	ng	0.00
21) Naphthalene-d8	8.287	136	609176	20.000	ng	0.00
39) Acenaphthene-d10	10.051	164	278951	20.000	ng	0.00
64) Phenanthrene-d10	11.545	188	532553	20.000	ng	0.00
76) Chrysene-d12	14.204	240	371458	20.000	ng	# 0.00
86) Perylene-d12	15.763	264	283216	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.622	112	442256	39.044	ng	0.00
7) Phenol-d6	6.622	99	525785	35.567	ng	-0.01
23) Nitrobenzene-d5	7.563	82	291641	22.714	ng	0.00
42) 2,4,6-Tribromophenol	10.845	330	99717	33.100	ng	0.00
45) 2-Fluorobiphenyl	9.363	172	458952	25.052	ng	0.00
79) Terphenyl-d14	13.133	244	531008	24.170	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.563	70	40926	4.498	ng	# 74
25) Isophorone	7.563	82	291641	11.847	ng	# 67
32) Benzoic acid	8.075	122	336	3.877	ng	# 60
49) Acenaphthylene	9.910	152	59515	2.234	ng	97
51) 2,6-Dinitrotoluene	10.051	165	38164	8.251	ng	# 22
57) 2,4-Dinitrotoluene	10.051	165	38164	6.202	ng	# 21
63) Azobenzene	10.763	77	94713	4.508	ng	# 1
71) Phenanthrene	11.569	178	209145	7.581	ng	97
72) Anthracene	11.622	178	90330	3.179	ng	98
75) Fluoranthene	12.769	202	468197	15.524	ng	100
78) Pyrene	12.998	202	585013	17.322	ng	99
81) Benzo(a)anthracene	14.233	228	220075	7.918	ng	93
83) Chrysene	14.233	228	220075	8.468	ng	97
87) Indeno(1,2,3-cd)pyrene	17.368	276	67835	3.655	ng	95
88) Benzo(b)fluoranthene	15.298	252	219539	11.567	ng	# 85
89) Benzo(k)fluoranthene	15.298	252	219539	11.819	ng	# 86
90) Benzo(a)pyrene	15.698	252	142051	7.997	ng	# 91
92) Benzo(g,h,i)perylene	17.862	276	75035	5.858	ng	# 89

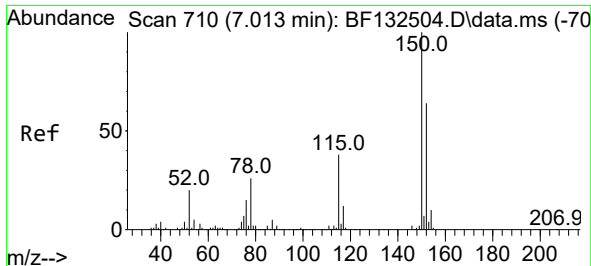
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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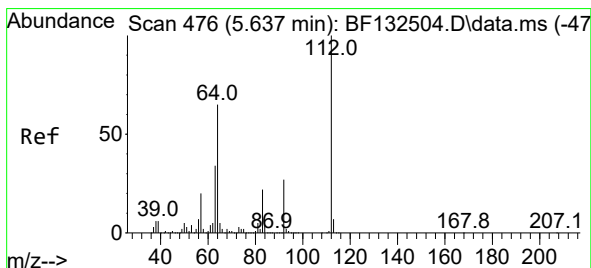
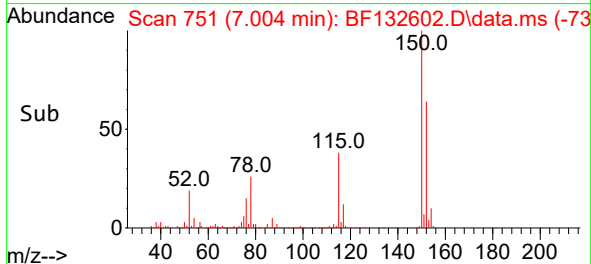
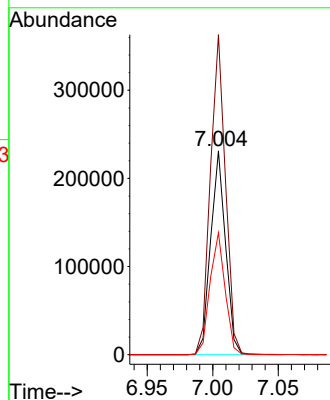
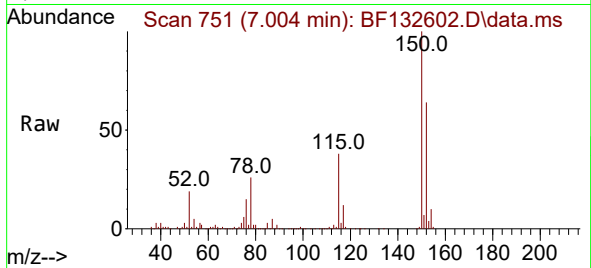




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.004 min Scan# 710
Delta R.T. -0.003 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

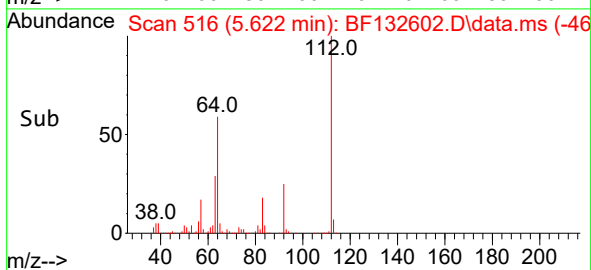
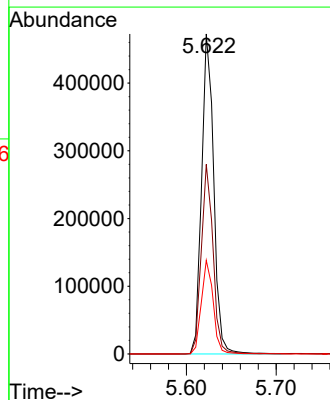
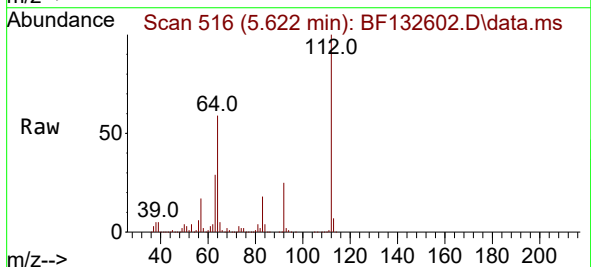
Instrument :
BNA_F
ClientSampleId :
EO-01-022723

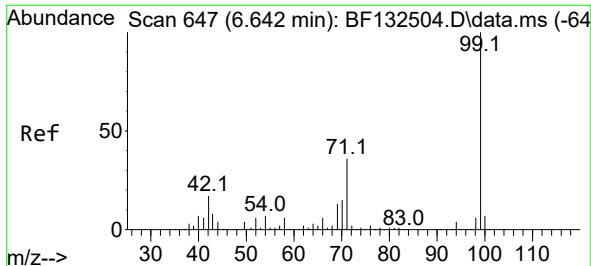
Tgt Ion:152 Resp: 183836
Ion Ratio Lower Upper
152 100
150 156.9 125.4 188.2
115 59.8 47.8 71.6



#5
2-Fluorophenol
Concen: 39.044 ng
RT: 5.622 min Scan# 516
Delta R.T. -0.009 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

Tgt Ion:112 Resp: 442256
Ion Ratio Lower Upper
112 100
64 59.3 51.6 77.4
63 29.3 27.4 41.2

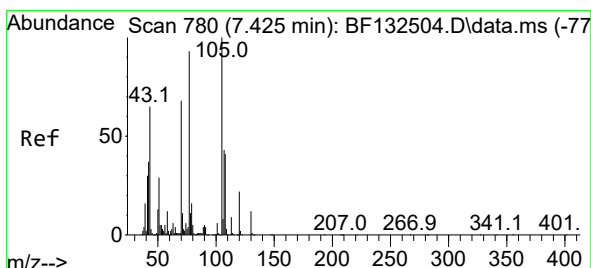
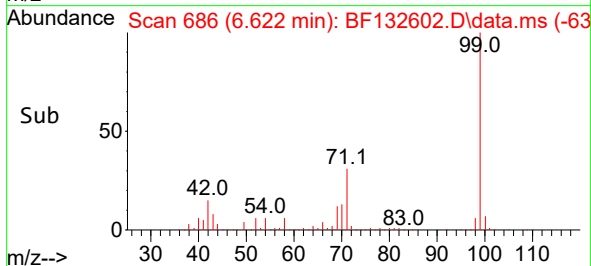
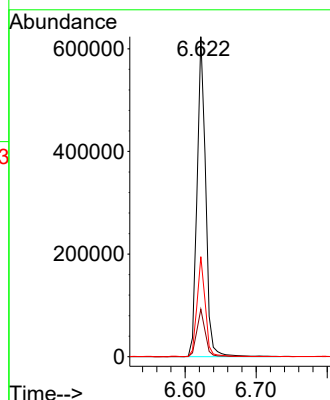
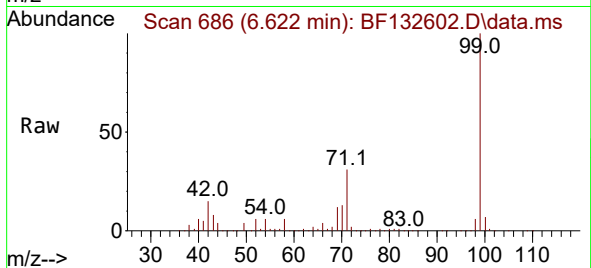




#7
Phenol-d6
Concen: 35.567 ng
RT: 6.622 min Scan# 61
Delta R.T. -0.014 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

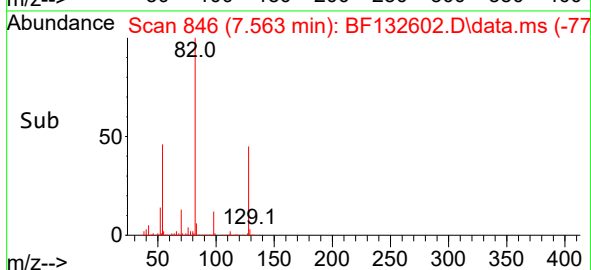
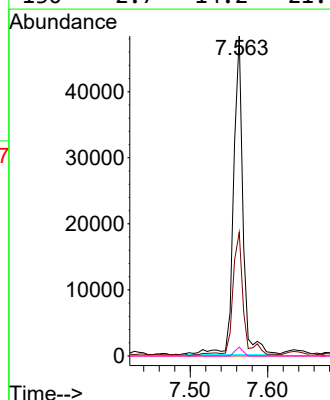
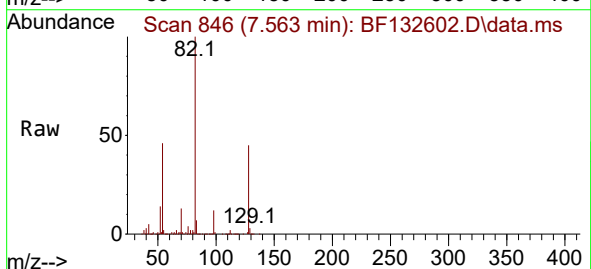
Instrument :
BNA_F
ClientSampleId :
EO-01-022723

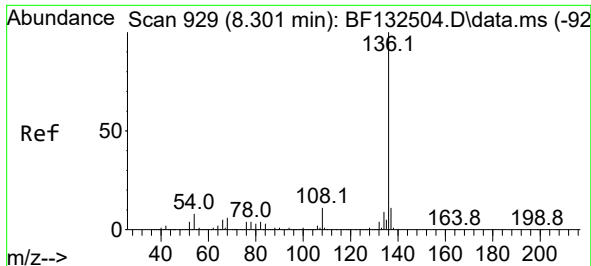
Tgt Ion: 99 Resp: 525785
Ion Ratio Lower Upper
99 100
42 14.9 13.9 20.9
71 31.2 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 4.498 ng
RT: 7.563 min Scan# 846
Delta R.T. 0.144 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

Tgt Ion: 70 Resp: 40926
Ion Ratio Lower Upper
70 100
42 38.6 44.1 66.1#
101 0.0 7.4 11.2#
130 2.7 14.2 21.4#

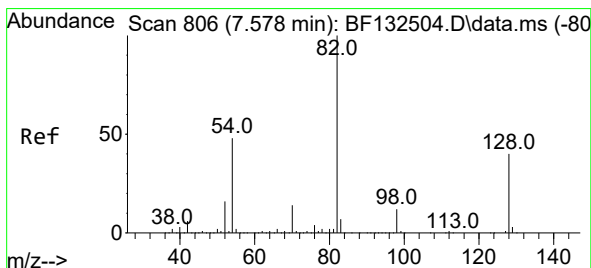
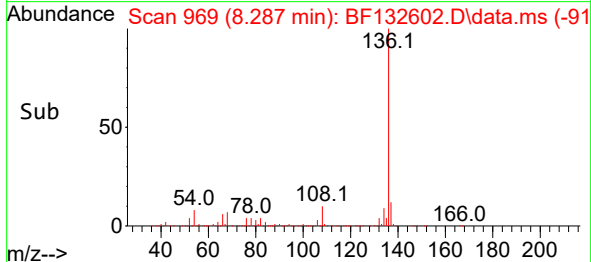
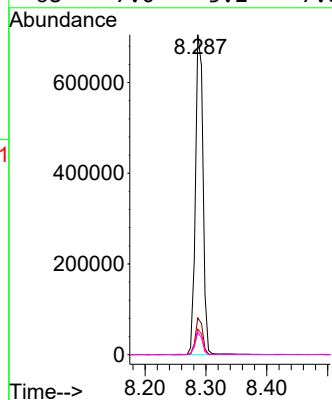
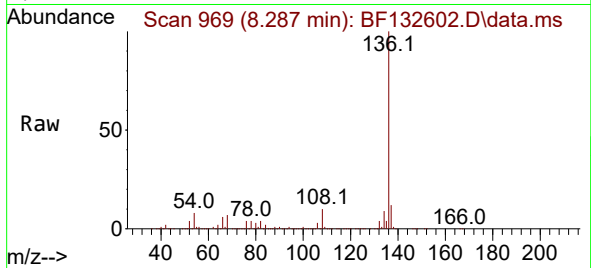




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.287 min Scan# 90
Delta R.T. -0.003 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

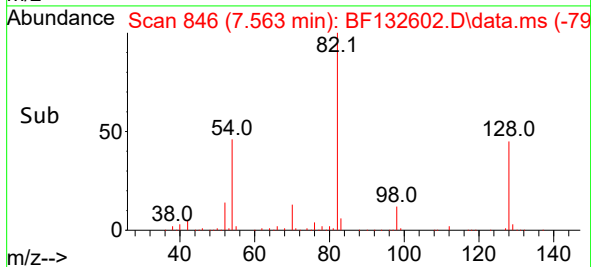
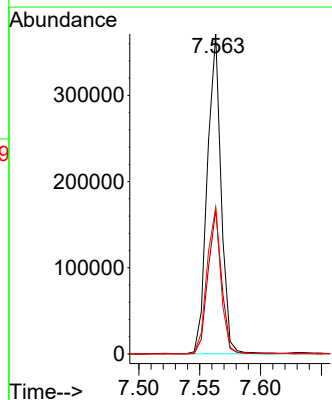
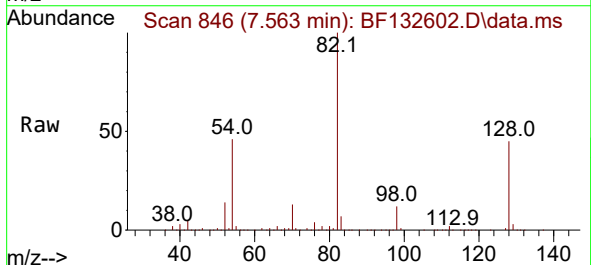
Instrument :
BNA_F
ClientSampleId :
EO-01-022723

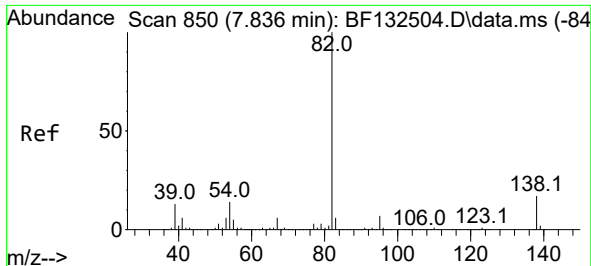
Tgt Ion:136 Resp: 609176
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 8.0 6.2 9.4
68 7.0 5.2 7.8



#23
Nitrobenzene-d5
Concen: 22.714 ng
RT: 7.563 min Scan# 846
Delta R.T. -0.009 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

Tgt Ion: 82 Resp: 291641
Ion Ratio Lower Upper
82 100
128 45.1 32.2 48.2
54 45.8 38.4 57.6

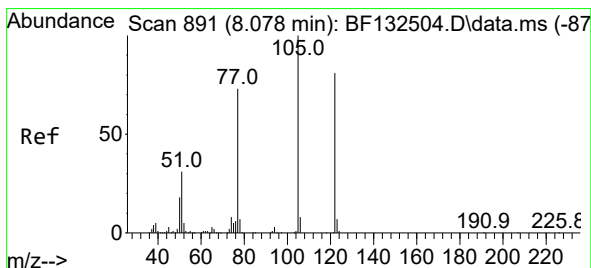
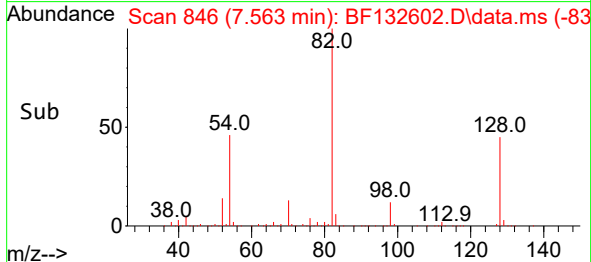
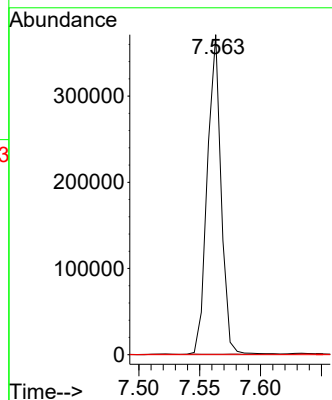
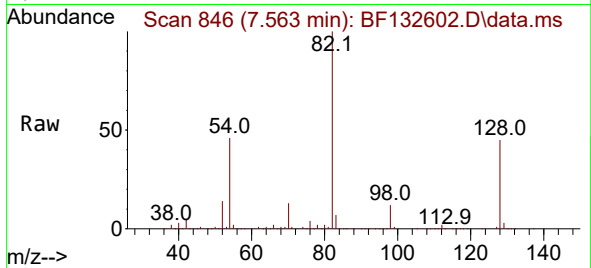




#25
Isophorone
Concen: 11.847 ng
RT: 7.563 min Scan# 84
Delta R.T. -0.262 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

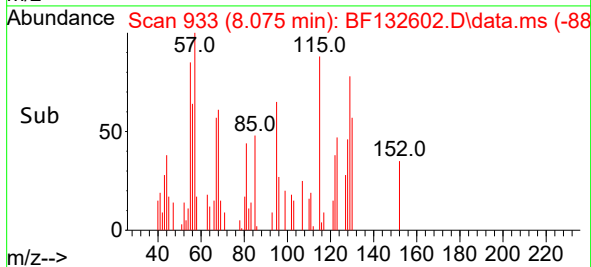
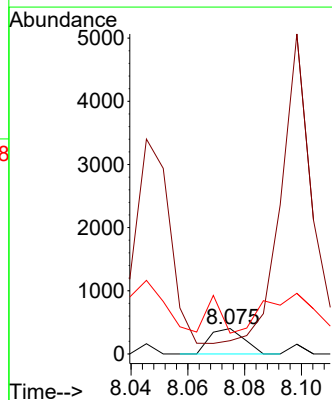
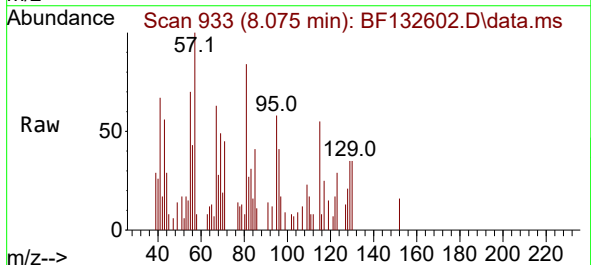
Instrument :
BNA_F
ClientSampleId :
EO-01-022723

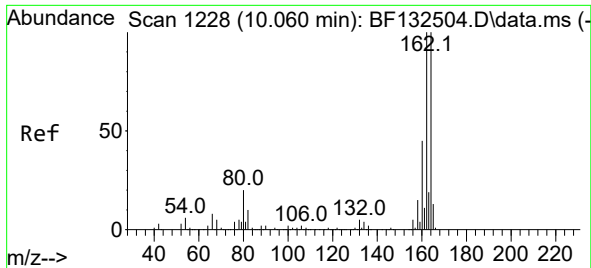
Tgt Ion: 82 Resp: 291641
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.877 ng
RT: 8.075 min Scan# 933
Delta R.T. 0.009 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

Tgt Ion: 122 Resp: 336
Ion Ratio Lower Upper
122 100
105 52.2 102.6 142.6#
77 81.7 70.2 110.2

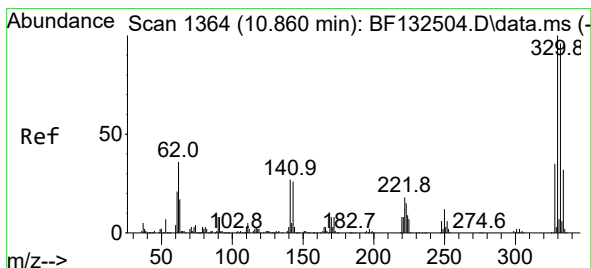
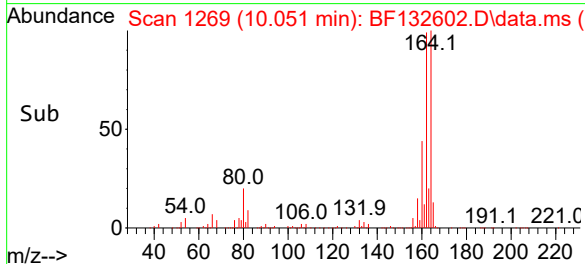
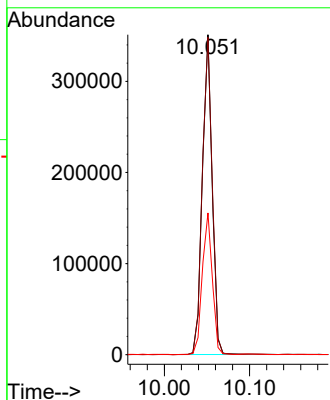
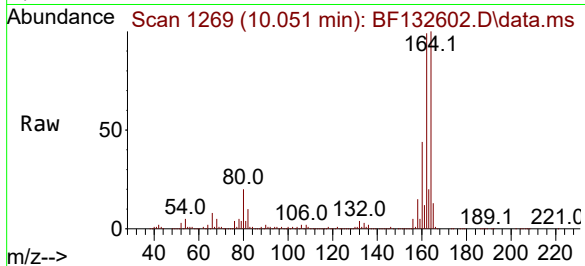




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.051 min Scan# 11
Delta R.T. -0.003 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

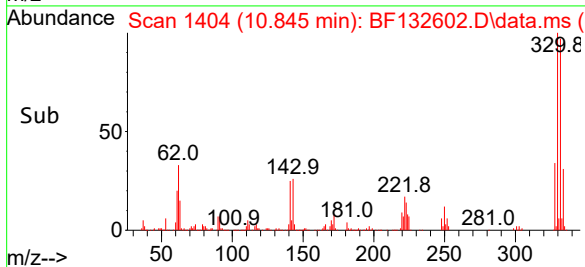
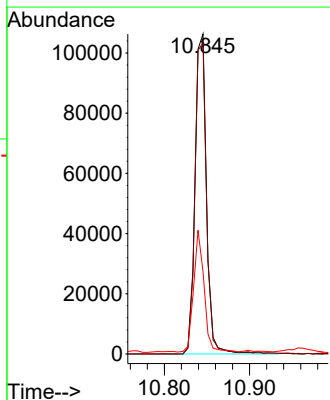
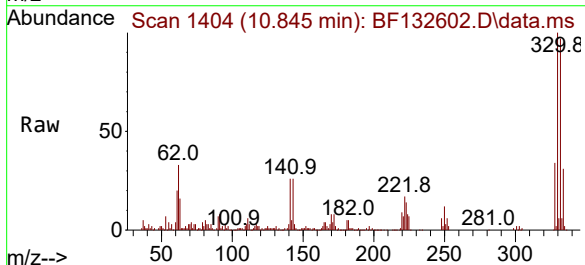
Instrument :
BNA_F
ClientSampleId :
EO-01-022723

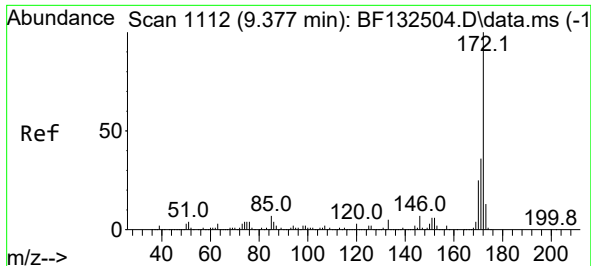
Tgt Ion:164 Resp: 278951
Ion Ratio Lower Upper
164 100
162 99.2 79.8 119.8
160 44.3 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 33.100 ng
RT: 10.845 min Scan# 1404
Delta R.T. -0.003 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

Tgt Ion:330 Resp: 99717
Ion Ratio Lower Upper
330 100
332 97.1 76.2 114.4
141 35.4 28.4 42.6





#45

2-Fluorobiphenyl

Concen: 25.052 ng

RT: 9.363 min Scan# 1112

Delta R.T. -0.009 min

Lab File: BF132602.D

Acq: 01 Mar 2023 20:58

Instrument :

BNA_F

ClientSampleId :

EO-01-022723

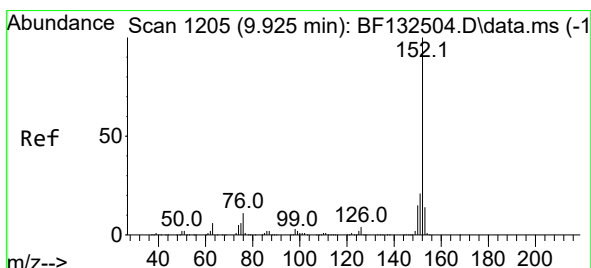
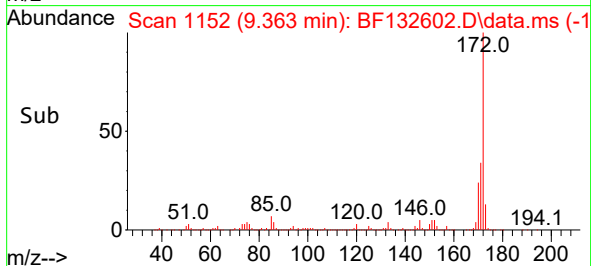
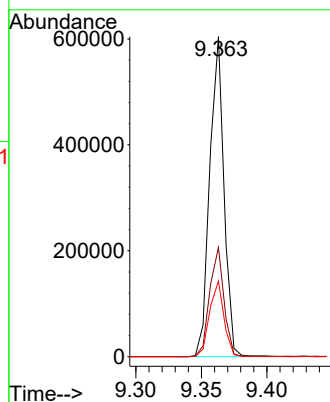
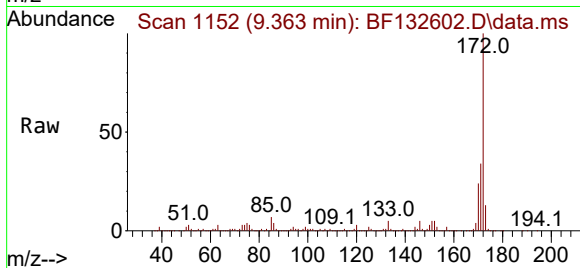
Tgt Ion:172 Resp: 458952

Ion Ratio Lower Upper

172 100

171 34.2 28.8 43.2

170 23.7 19.7 29.5



#49

Acenaphthylene

Concen: 2.234 ng

RT: 9.910 min Scan# 1245

Delta R.T. -0.009 min

Lab File: BF132602.D

Acq: 01 Mar 2023 20:58

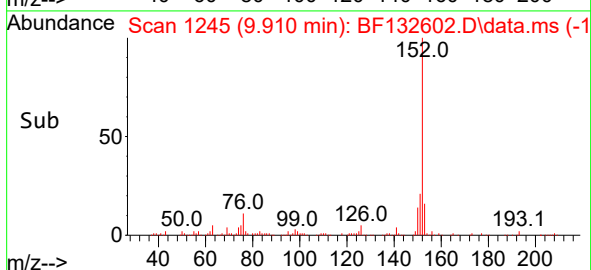
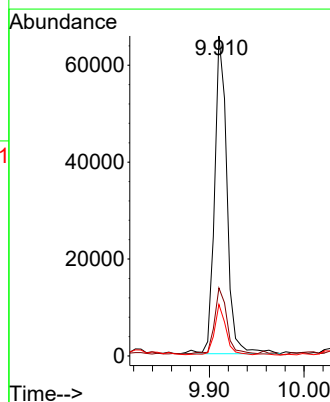
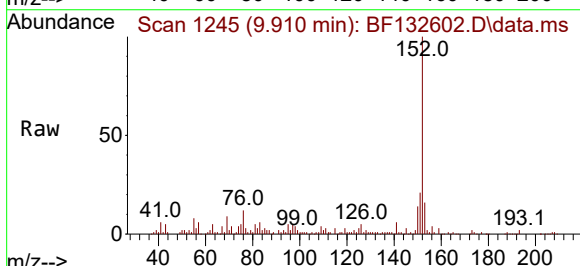
Tgt Ion:152 Resp: 59515

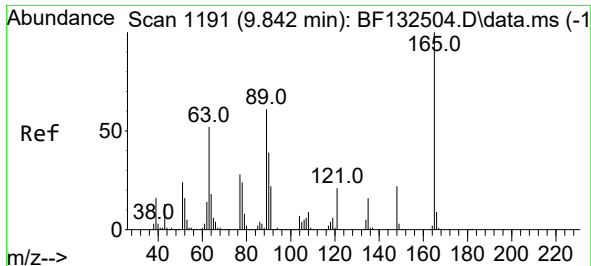
Ion Ratio Lower Upper

152 100

151 21.2 16.4 24.6

153 16.1 11.0 16.6

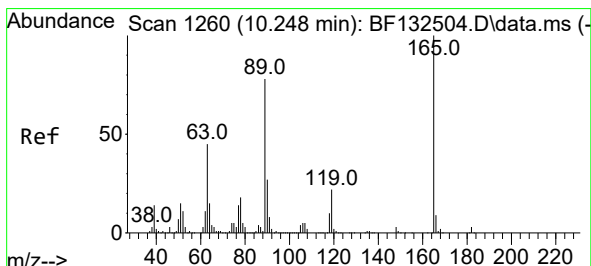
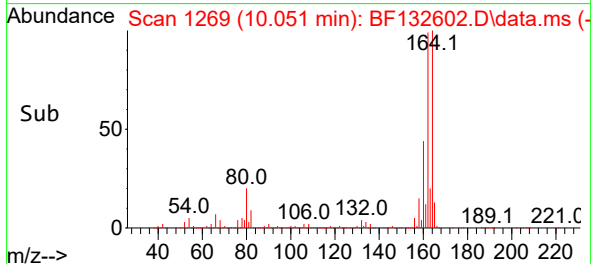
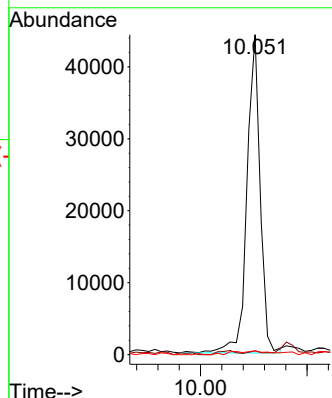
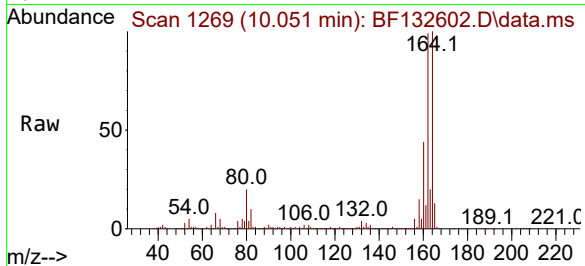




#51
2,6-Dinitrotoluene
Concen: 8.251 ng
RT: 10.051 min Scan# 1191
Delta R.T. 0.215 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

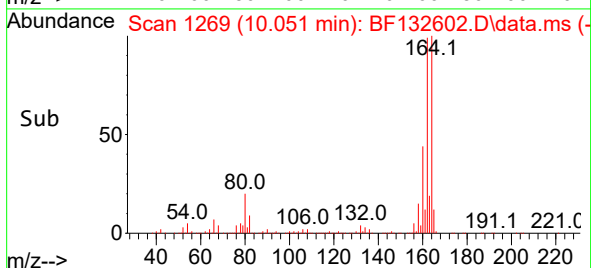
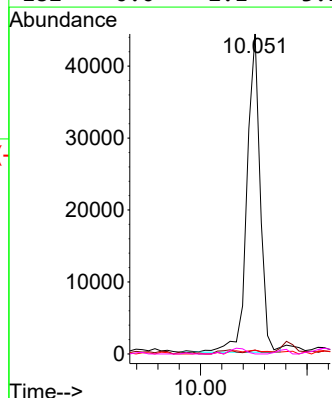
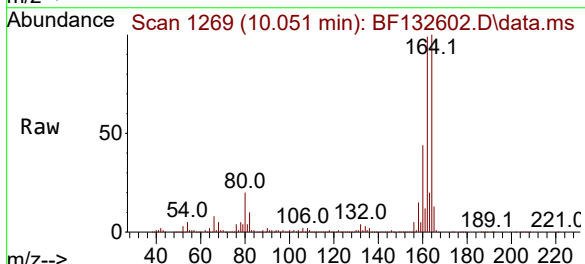
Instrument :
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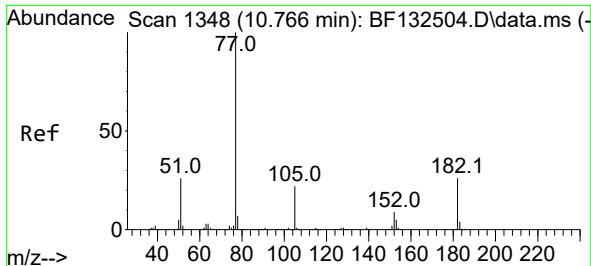
Tgt Ion:165 Resp: 38164
Ion Ratio Lower Upper
165 100
63 1.2 47.3 70.9#
89 1.2 48.9 73.3#



#57
2,4-Dinitrotoluene
Concen: 6.202 ng
RT: 10.051 min Scan# 1269
Delta R.T. -0.191 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

Tgt Ion:165 Resp: 38164
Ion Ratio Lower Upper
165 100
63 1.2 36.5 54.7#
89 1.2 62.4 93.6#
182 0.0 2.1 3.1#

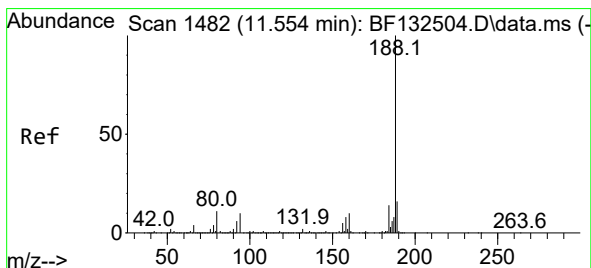
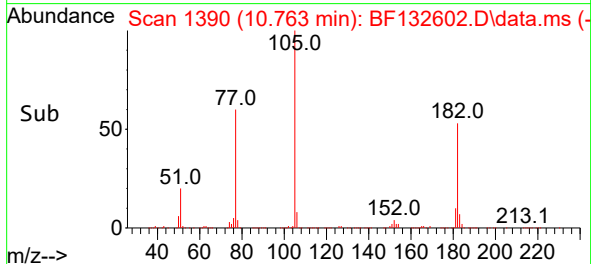
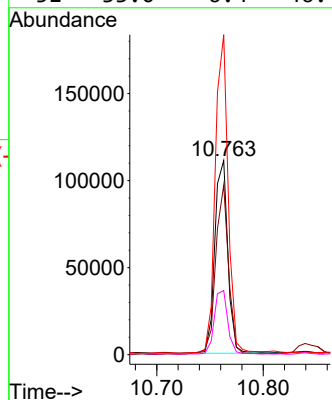
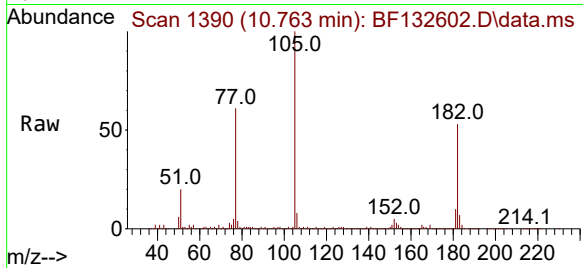




#63
 Azobenzene
 Concen: 4.508 ng
 RT: 10.763 min Scan# 11
 Delta R.T. 0.009 min
 Lab File: BF132602.D
 Acq: 01 Mar 2023 20:58

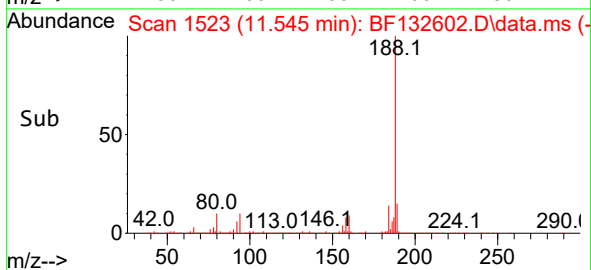
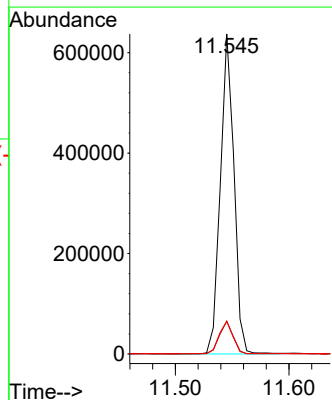
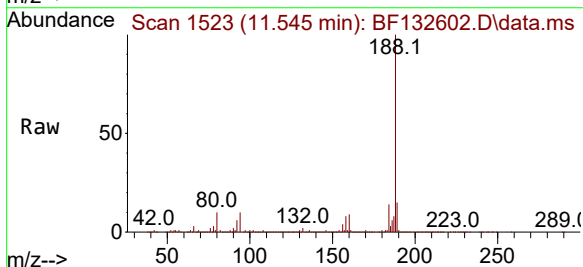
Instrument :
 BNA_F
 ClientSampleId :
 EO-01-022723

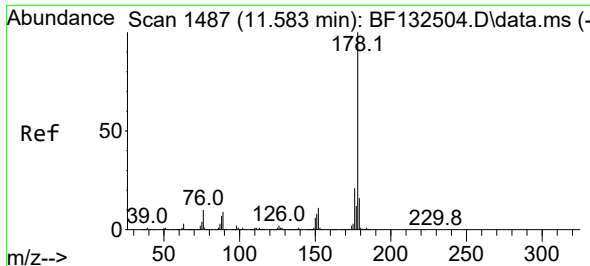
Tgt Ion:	77	Resp:	94713
Ion Ratio	Lower	Upper	
77	100		
182	87.4	5.5	45.5#
105	164.9	1.8	41.8#
51	33.0	6.4	46.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.545 min Scan# 1523
 Delta R.T. -0.003 min
 Lab File: BF132602.D
 Acq: 01 Mar 2023 20:58

Tgt Ion:	188	Resp:	532553
Ion Ratio	Lower	Upper	
188	100		
94	10.2	8.3	12.5
80	10.3	8.7	13.1

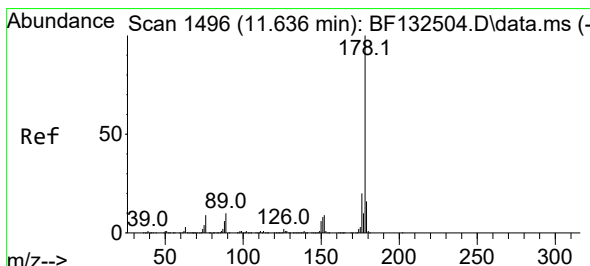
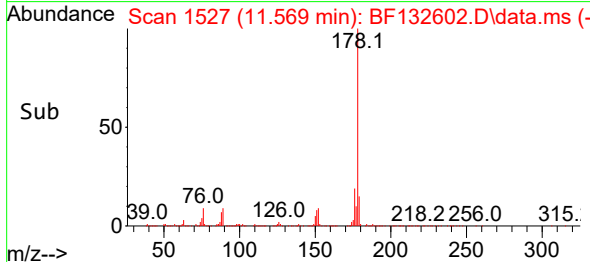
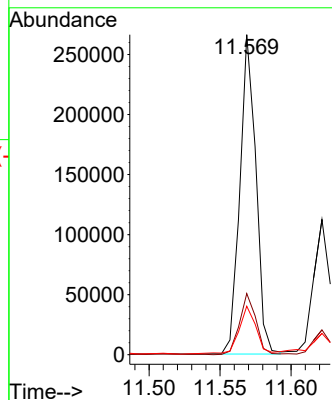
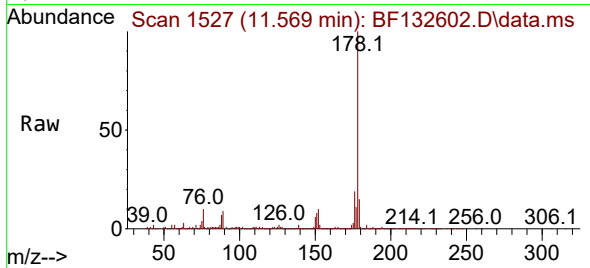




#71
Phenanthrene
Concen: 7.581 ng
RT: 11.569 min Scan# 1527
Delta R.T. -0.009 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

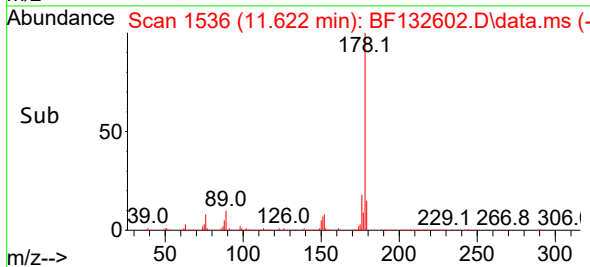
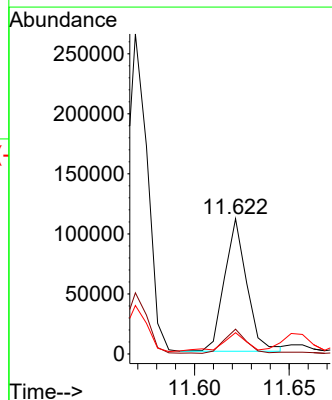
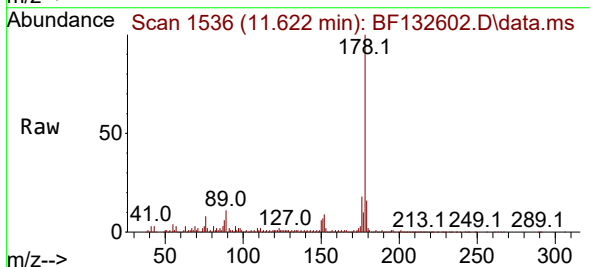
Instrument :
BNA_F
ClientSampleId :
EO-01-022723

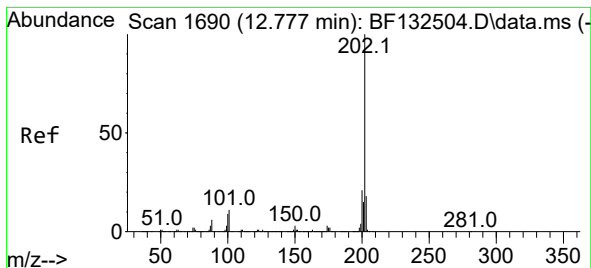
Tgt Ion:178 Resp: 209145
Ion Ratio Lower Upper
178 100
176 19.1 16.5 24.7
179 15.2 13.0 19.6



#72
Anthracene
Concen: 3.179 ng
RT: 11.622 min Scan# 1536
Delta R.T. -0.009 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

Tgt Ion:178 Resp: 90330
Ion Ratio Lower Upper
178 100
176 18.3 15.6 23.4
179 15.8 12.5 18.7





#75

Fluoranthene

Concen: 15.524 ng

RT: 12.769 min Scan# 1

Delta R.T. -0.003 min

Lab File: BF132602.D

Acq: 01 Mar 2023 20:58

Instrument :

BNA_F

ClientSampleId :

EO-01-022723

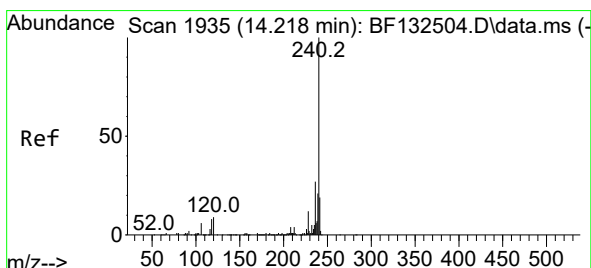
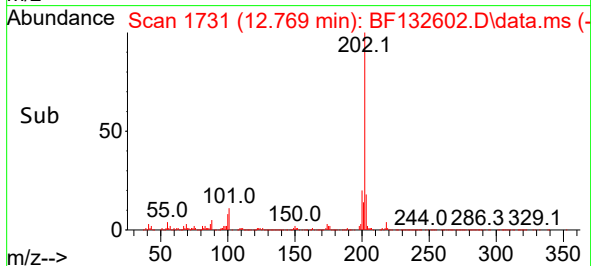
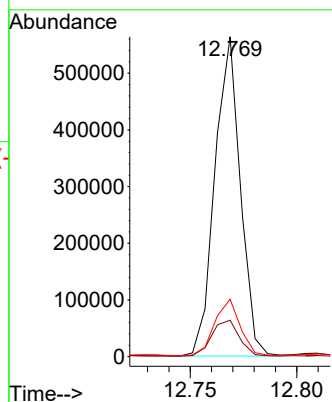
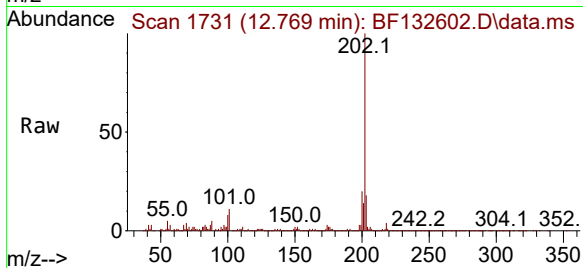
Tgt Ion:202 Resp: 468197

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.4

203 18.0 0.0 38.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.204 min Scan# 1975

Delta R.T. -0.003 min

Lab File: BF132602.D

Acq: 01 Mar 2023 20:58

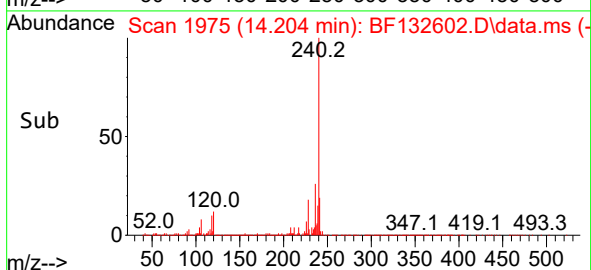
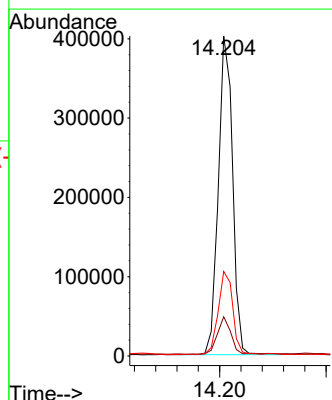
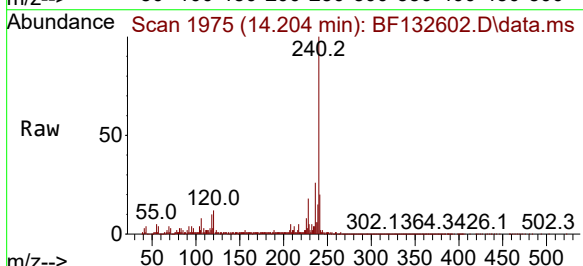
Tgt Ion:240 Resp: 371458

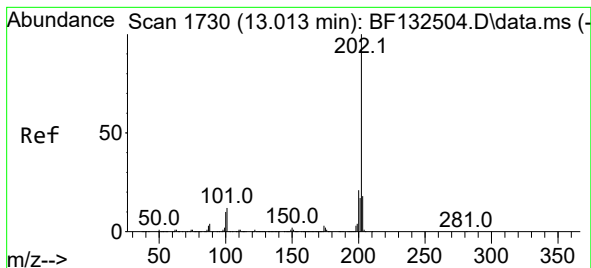
Ion Ratio Lower Upper

240 100

120 12.3 7.2 10.8#

236 26.4 21.8 32.6





#78

Pyrene

Concen: 17.322 ng

RT: 12.998 min Scan# 11

Delta R.T. -0.003 min

Lab File: BF132602.D

Acq: 01 Mar 2023 20:58

Instrument :

BNA_F

ClientSampleId :

EO-01-022723

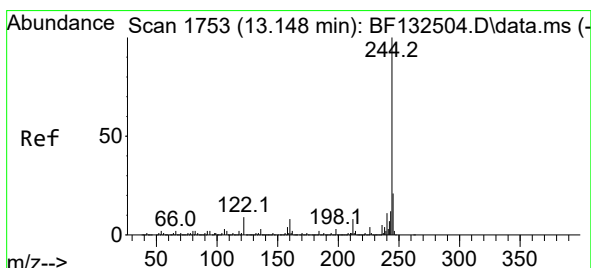
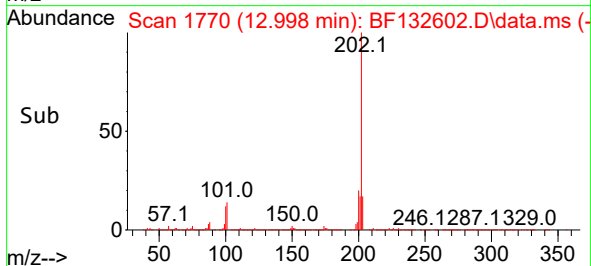
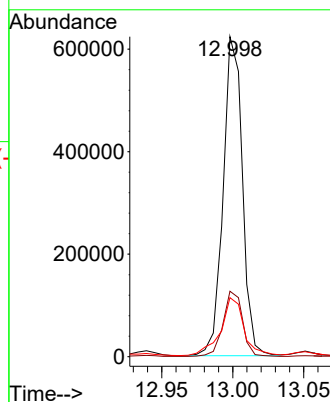
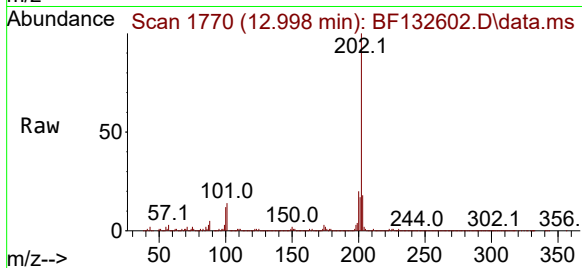
Tgt Ion:202 Resp: 585013

Ion Ratio Lower Upper

202 100

200 20.5 17.1 25.7

203 18.5 14.6 21.8



#79

Terphenyl-d14

Concen: 24.170 ng

RT: 13.133 min Scan# 1793

Delta R.T. -0.009 min

Lab File: BF132602.D

Acq: 01 Mar 2023 20:58

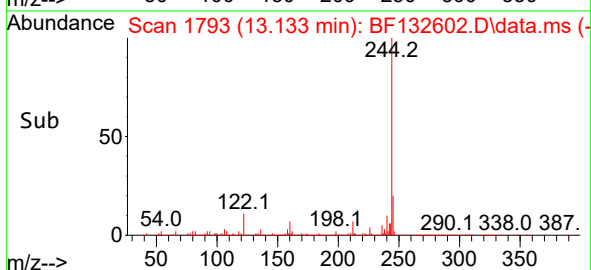
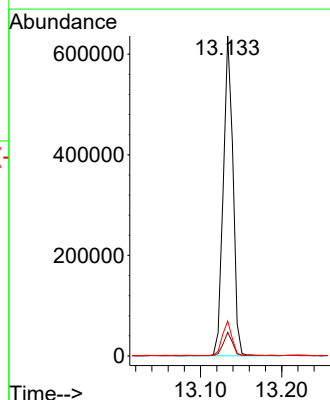
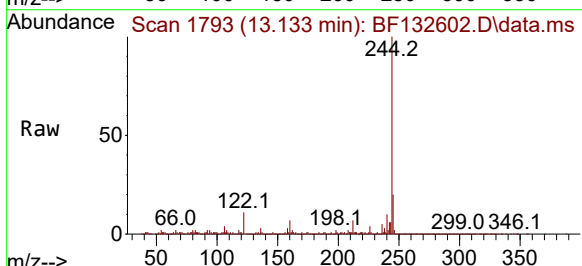
Tgt Ion:244 Resp: 531008

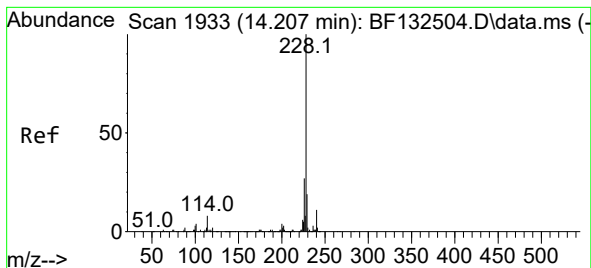
Ion Ratio Lower Upper

244 100

212 7.3 6.5 9.7

122 10.9 7.5 11.3





#81

Benzo(a)anthracene

Concen: 7.918 ng

RT: 14.233 min Scan# 1933

Delta R.T. 0.038 min

Lab File: BF132602.D

Acq: 01 Mar 2023 20:58

Instrument :

BNA_F

ClientSampleId :

EO-01-022723

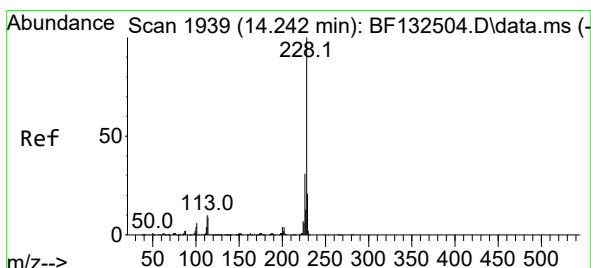
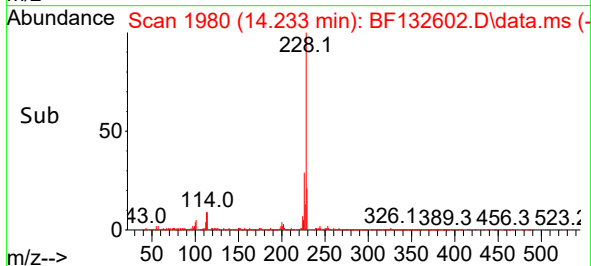
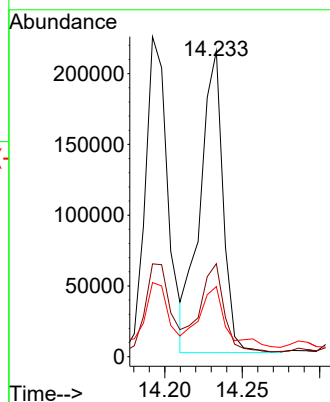
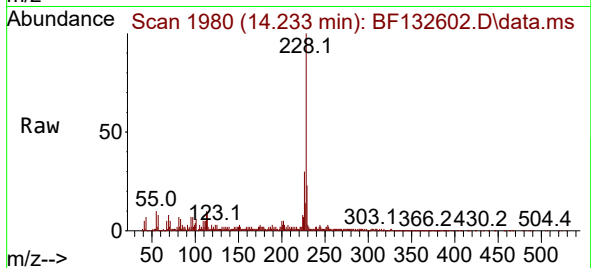
Tgt Ion:228 Resp: 220075

Ion Ratio Lower Upper

228 100

226 30.4 21.7 32.5

229 23.0 15.4 23.2



#83

Chrysene

Concen: 8.468 ng

RT: 14.233 min Scan# 1980

Delta R.T. -0.003 min

Lab File: BF132602.D

Acq: 01 Mar 2023 20:58

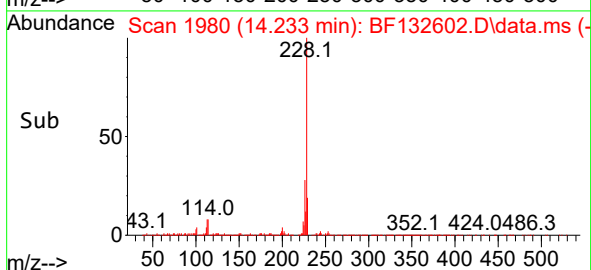
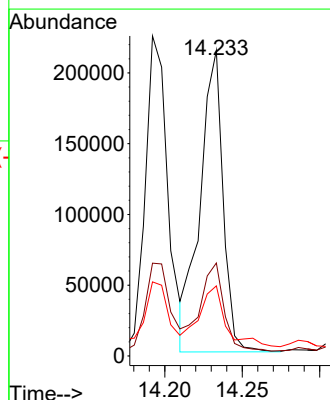
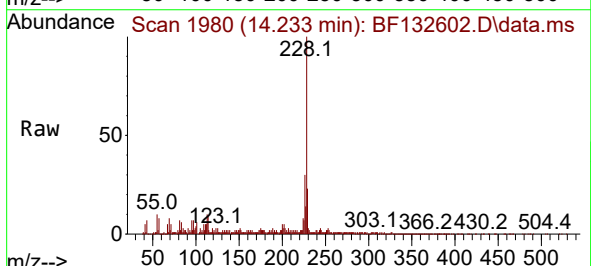
Tgt Ion:228 Resp: 220075

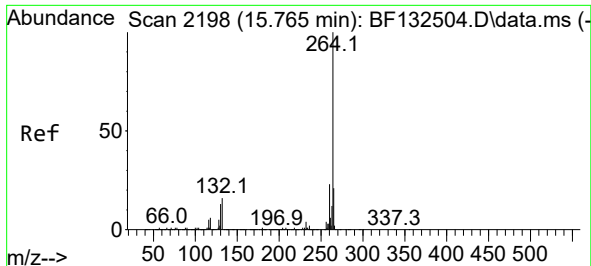
Ion Ratio Lower Upper

228 100

226 30.4 25.0 37.6

229 23.0 16.4 24.6

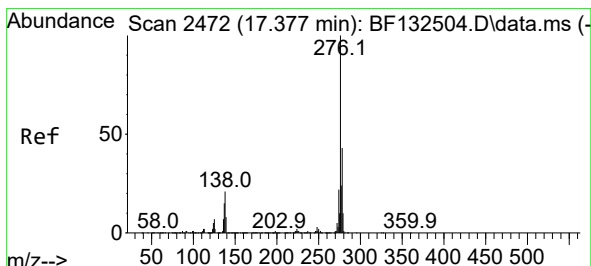
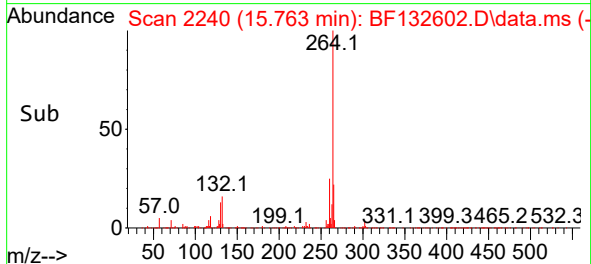
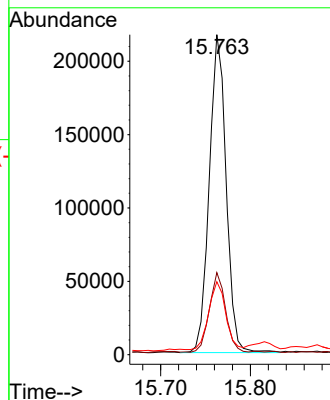
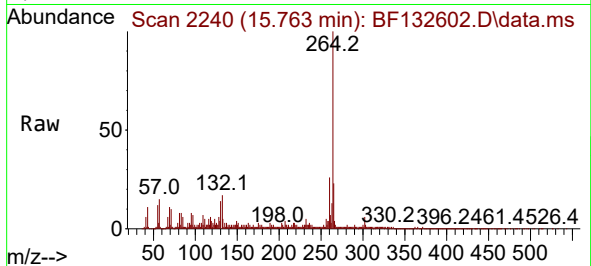




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.763 min Scan# 2198
Delta R.T. 0.009 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

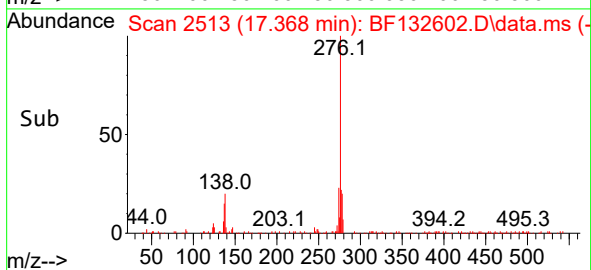
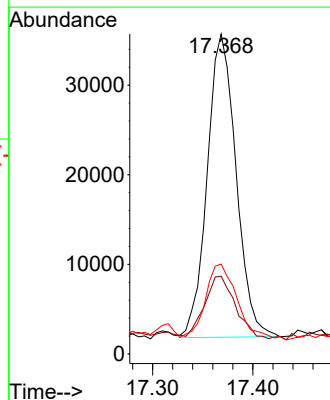
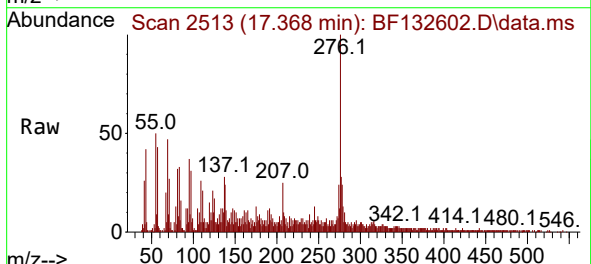
Instrument :
BNA_F
ClientSampleId :
EO-01-022723

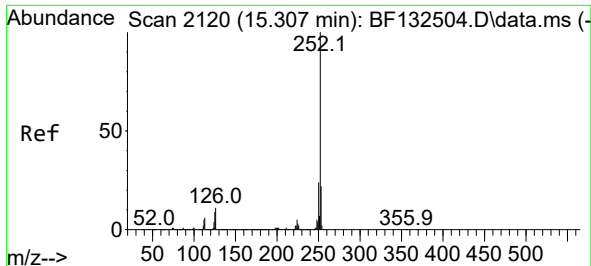
Tgt Ion:264 Resp: 283216
Ion Ratio Lower Upper
264 100
260 25.7 18.8 28.2
265 22.8 17.1 25.7



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.655 ng
RT: 17.368 min Scan# 2513
Delta R.T. 0.009 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

Tgt Ion:276 Resp: 67835
Ion Ratio Lower Upper
276 100
138 21.9 19.0 28.4
277 27.8 20.0 30.0

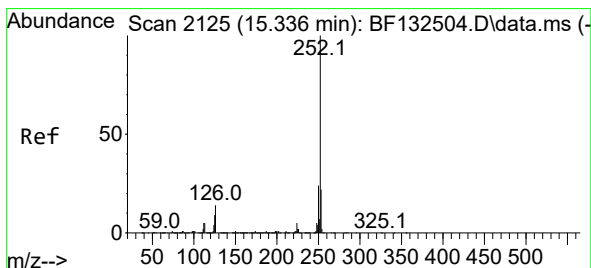
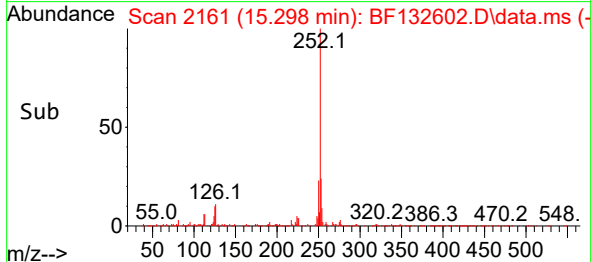
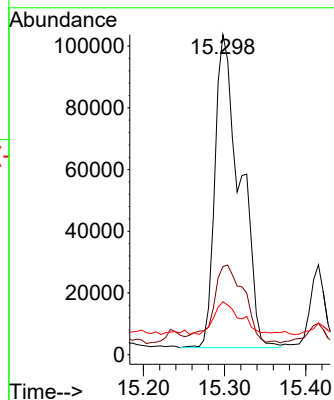
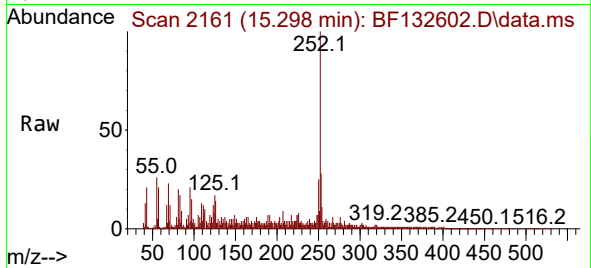




#88
Benzo(b)fluoranthene
Concen: 11.567 ng
RT: 15.298 min Scan# 211
Delta R.T. 0.003 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

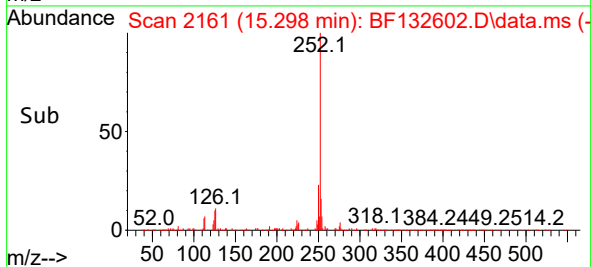
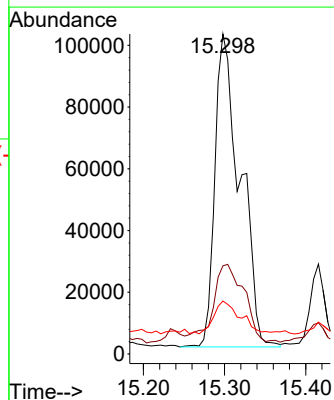
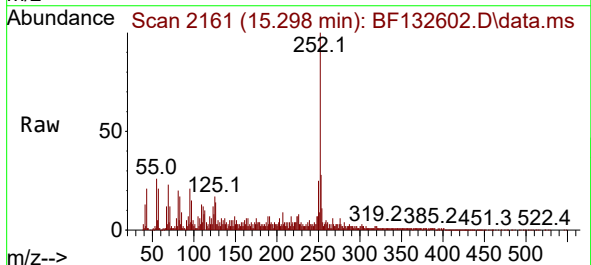
Instrument :
BNA_F
ClientSampleId :
EO-01-022723

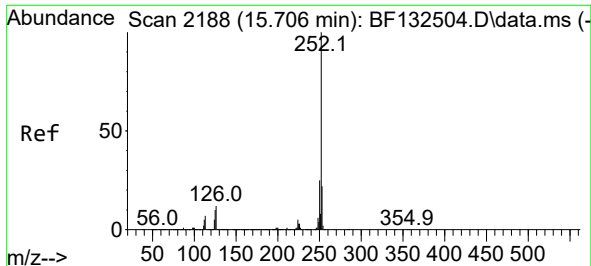
Tgt Ion:252 Resp: 219539
Ion Ratio Lower Upper
252 100
253 27.5 17.4 26.0#
125 16.5 7.0 10.6#



#89
Benzo(k)fluoranthene
Concen: 11.819 ng
RT: 15.298 min Scan# 2161
Delta R.T. -0.026 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

Tgt Ion:252 Resp: 219539
Ion Ratio Lower Upper
252 100
253 27.5 17.5 26.3#
125 16.5 7.2 10.8#

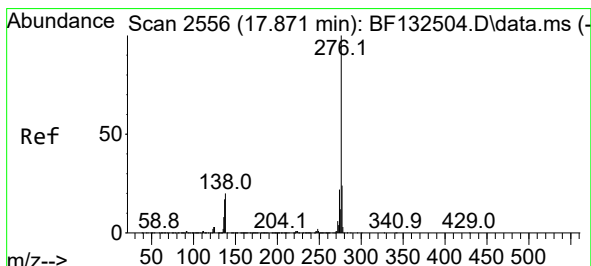
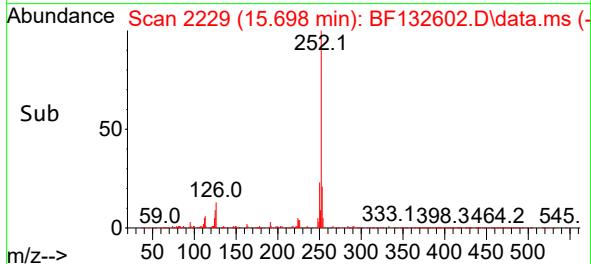
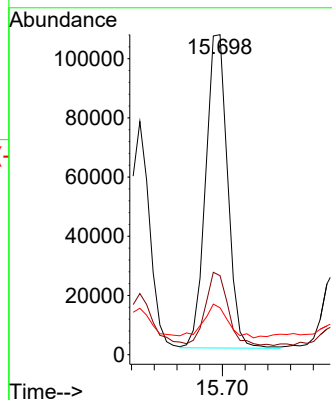
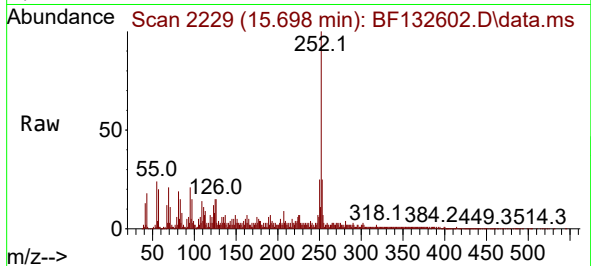




#90
Benzo(a)pyrene
Concen: 7.997 ng
RT: 15.698 min Scan# 2188
Delta R.T. 0.009 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

Instrument :
BNA_F
ClientSampleId :
EO-01-022723

Tgt Ion:252 Resp: 142051
Ion Ratio Lower Upper
252 100
253 24.7 17.2 25.8
125 14.6 8.0 12.0#



#92
Benzo(g,h,i)perylene
Concen: 5.858 ng
RT: 17.862 min Scan# 2597
Delta R.T. 0.009 min
Lab File: BF132602.D
Acq: 01 Mar 2023 20:58

Tgt Ion:276 Resp: 75035
Ion Ratio Lower Upper
276 100
277 28.4 18.9 28.3#
138 25.9 16.2 24.4#

