

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021723\
 Data File : BF132452.D
 Acq On : 17 Feb 2023 13:51
 Operator : CG\JU
 Sample : 01555-01DL 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-3-2142023DL

Quant Time: Feb 17 14:21:45 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 03:08:40 2023
 Response via : Initial Calibration

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

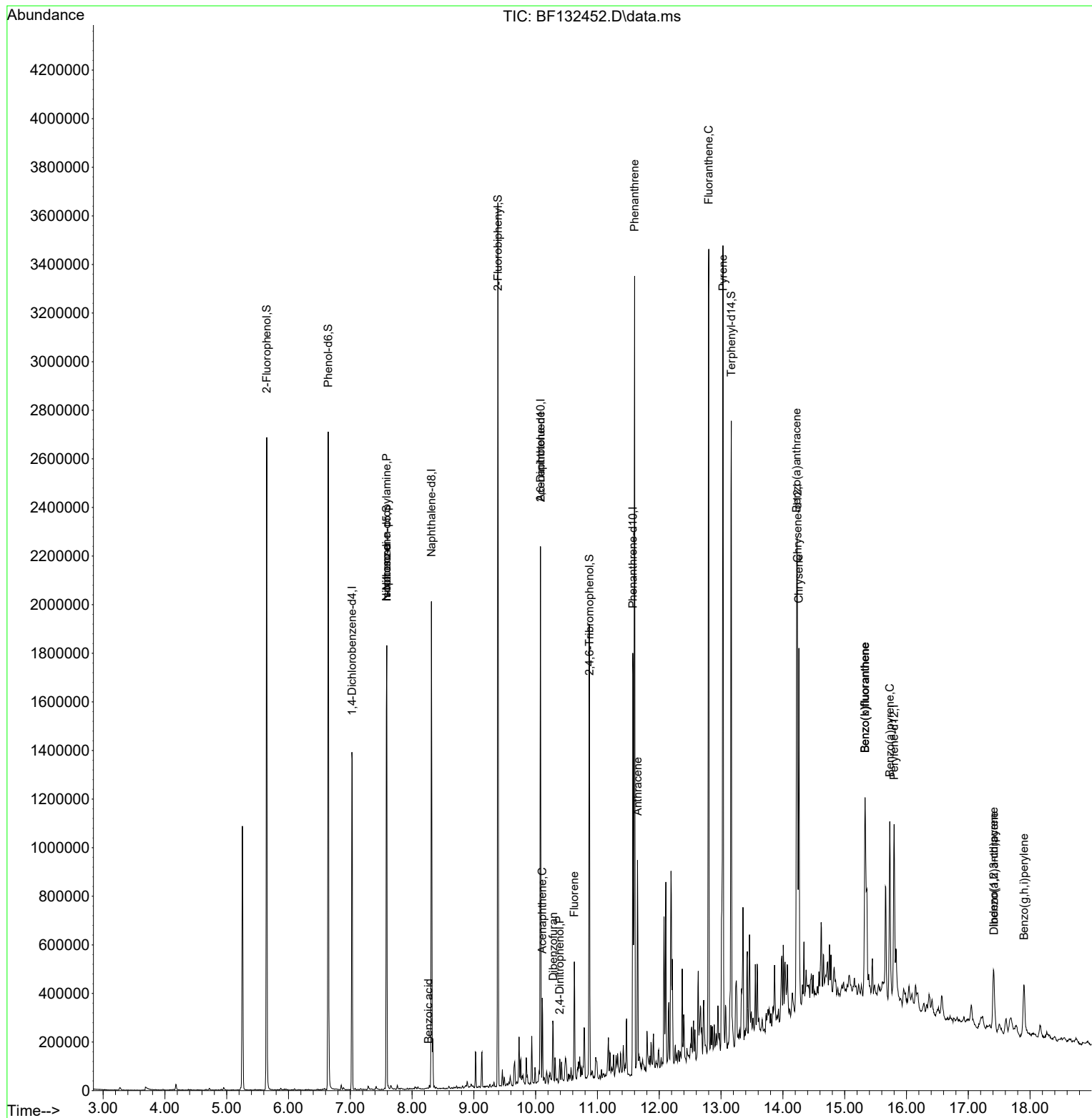
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.031	152	213575	20.000	ng	0.00
21) Naphthalene-d8	8.313	136	776821	20.000	ng	0.00
39) Acenaphthene-d10	10.078	164	400217	20.000	ng	0.00
64) Phenanthrene-d10	11.572	188	683834	20.000	ng	0.00
76) Chrysene-d12	14.236	240	429125	20.000	ng	0.00
86) Perylene-d12	15.801	264	337871	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.649	112	701128	52.603	ng	0.00
7) Phenol-d6	6.643	99	909984	52.285	ng	0.00
23) Nitrobenzene-d5	7.590	82	562440	34.789	ng	0.00
42) 2,4,6-Tribromophenol	10.872	330	186056	46.594	ng	0.00
45) 2-Fluorobiphenyl	9.390	172	939348	36.246	ng	0.00
79) Terphenyl-d14	13.166	244	892982	37.898	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.590	70	73756	6.913	ng	# 79
25) Isophorone	7.590	82	562432	17.704	ng	# 68
32) Benzoic acid	8.266	122	137	7.163	ng	85
51) 2,6-Dinitrotoluene	10.078	165	54699	8.534	ng	# 20
52) Acenaphthene	10.107	154	65040	2.706	ng	98
54) 2,4-Dinitrophenol	10.389	184	77	5.146	ng	# 1
55) Dibenzofuran	10.284	168	82497	2.313	ng	92
58) Fluorene	10.625	166	128009	4.747	ng	97
71) Phenanthrene	11.601	178	1136147	32.258	ng	99
72) Anthracene	11.648	178	301935	8.339	ng	100
75) Fluoranthene	12.801	202	1375548	35.021	ng	99
78) Pyrene	13.030	202	1308987	35.908	ng	99
81) Benzo(a)anthracene	14.225	228	643895	20.487	ng	99
83) Chrysene	14.260	228	529643	17.638	ng	97
87) Indeno(1,2,3-cd)pyrene	17.413	276	182306	8.441	ng	96
88) Benzo(b)fluoranthene	15.330	252	685651	30.859	ng	# 95
89) Benzo(k)fluoranthene	15.330	252	685651	30.837	ng	# 95
90) Benzo(a)pyrene	15.730	252	372298	18.030	ng	97
91) Dibenzo(a,h)anthracene	17.418	278	43920	2.469	ng	# 86
92) Benzo(g,h,i)perylene	17.901	276	183932	10.068	ng	99

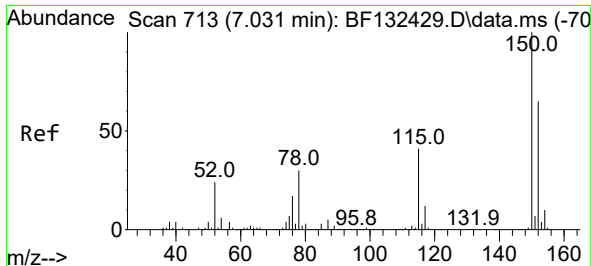
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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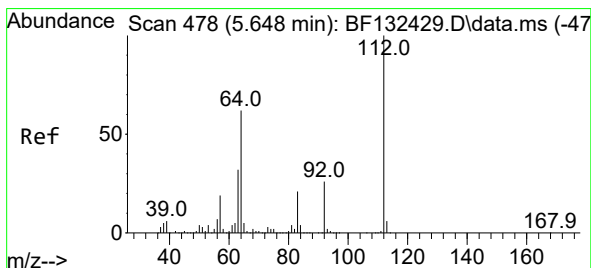
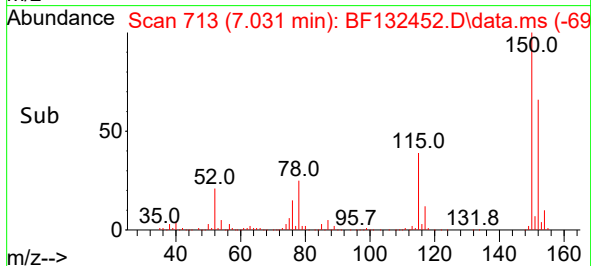
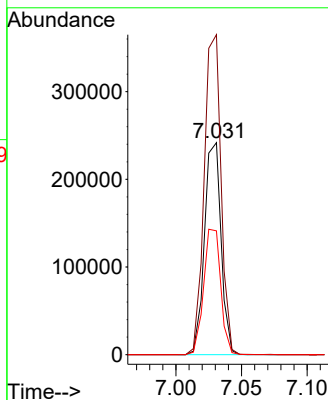
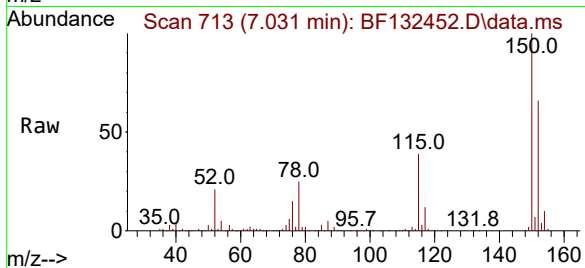




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.031 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

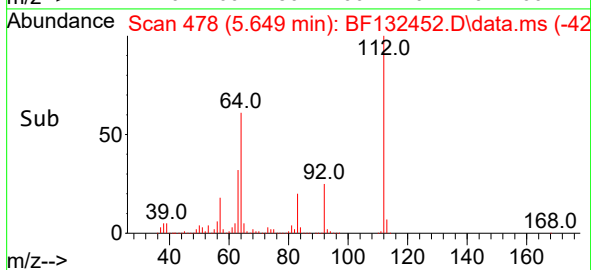
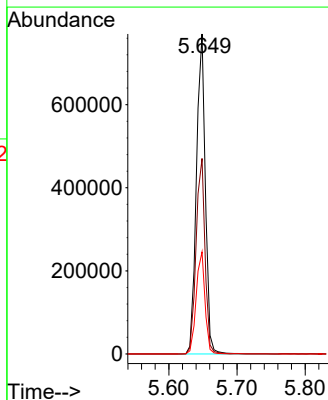
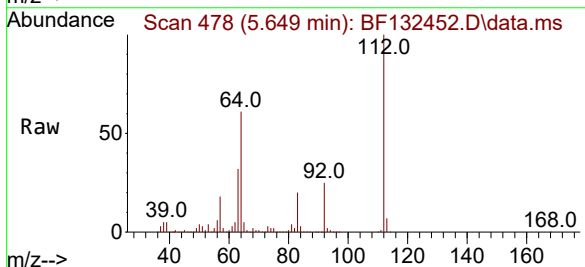
Instrument :
BNA_F
ClientSampleId :
OR-3-2142023DL

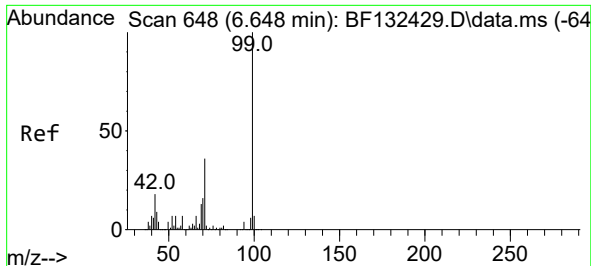
Tgt Ion:152 Resp: 213575
Ion Ratio Lower Upper
152 100
150 151.0 123.8 185.8
115 58.4 50.4 75.6



#5
2-Fluorophenol
Concen: 52.603 ng
RT: 5.649 min Scan# 478
Delta R.T. 0.000 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

Tgt Ion:112 Resp: 701128
Ion Ratio Lower Upper
112 100
64 61.1 49.7 74.5
63 31.9 25.8 38.8

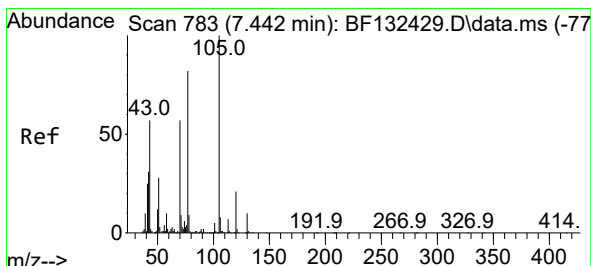
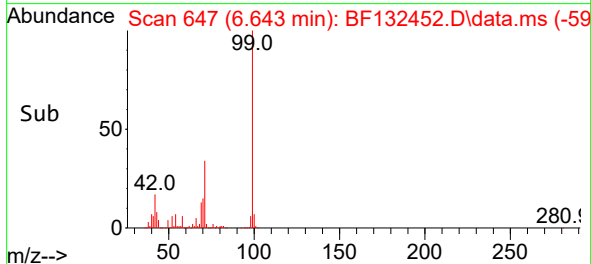
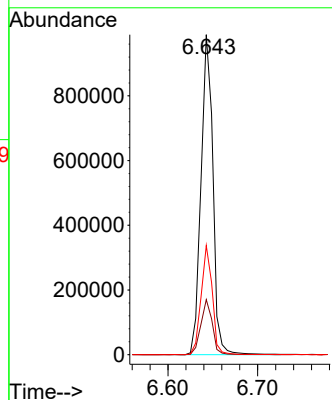
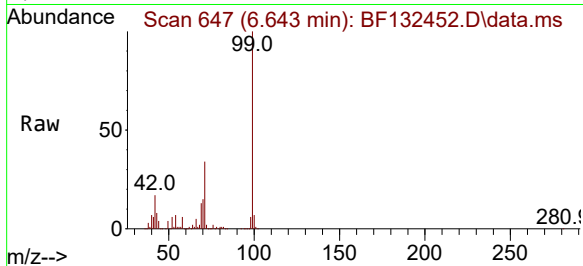




#7
Phenol-d6
Concen: 52.285 ng
RT: 6.643 min Scan# 64
Delta R.T. -0.006 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

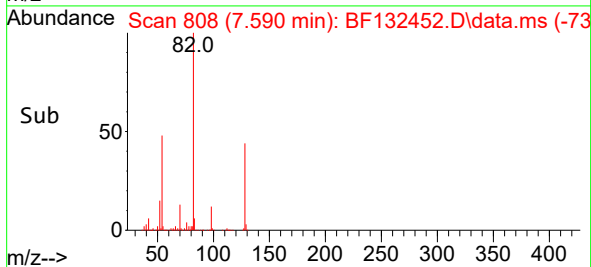
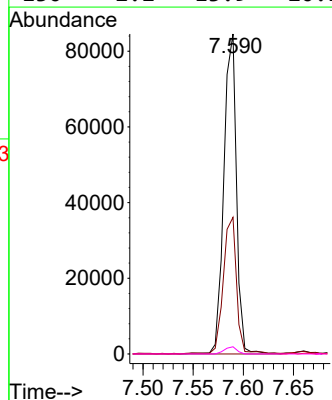
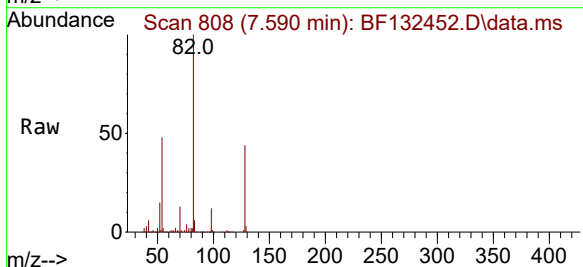
Instrument :
BNA_F
ClientSampleId :
OR-3-2142023DL

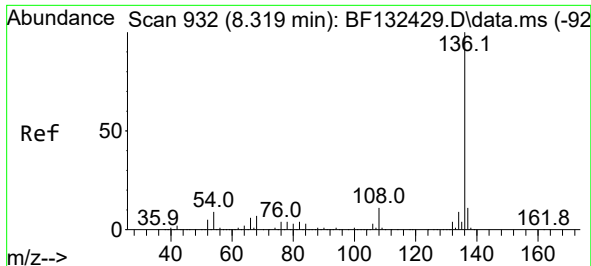
Tgt Ion: 99 Resp: 909984
Ion Ratio Lower Upper
99 100
42 17.2 14.6 21.8
71 34.1 28.7 43.1



#19
n-Nitroso-di-n-propylamine
Concen: 6.913 ng
RT: 7.590 min Scan# 808
Delta R.T. 0.147 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

Tgt Ion: 70 Resp: 73756
Ion Ratio Lower Upper
70 100
42 42.7 43.5 65.3#
101 0.0 7.3 10.9#
130 2.2 13.9 20.9#



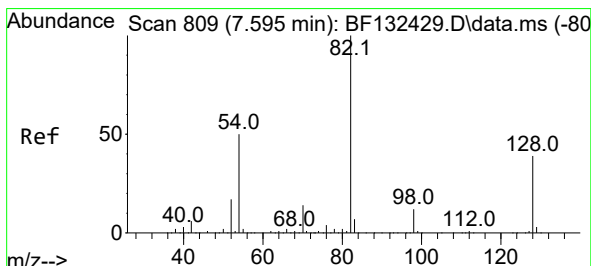
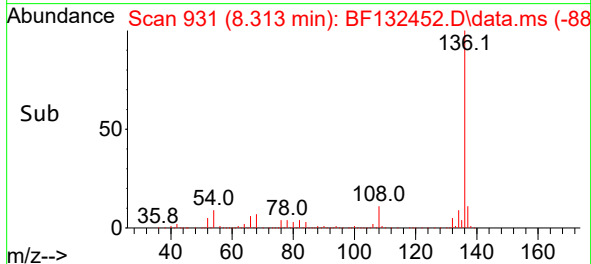
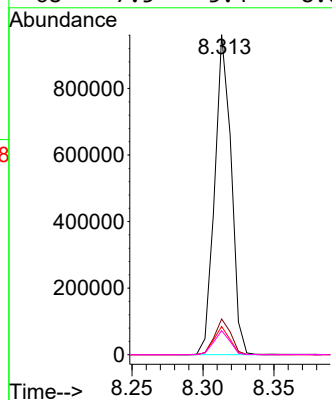
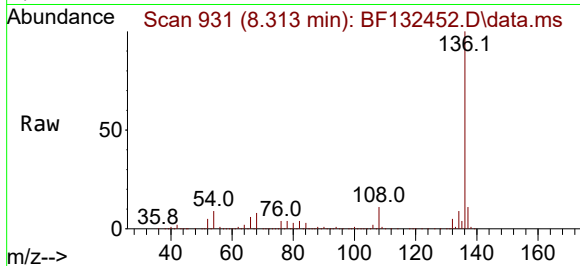


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.313 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

Instrument :
BNA_F
ClientSampleId :
OR-3-2142023DL

Tgt Ion:136 Resp: 776821

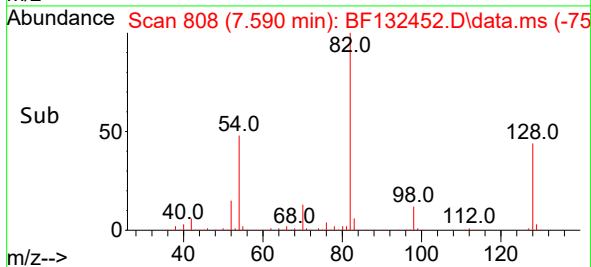
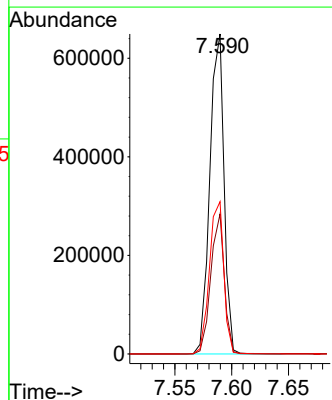
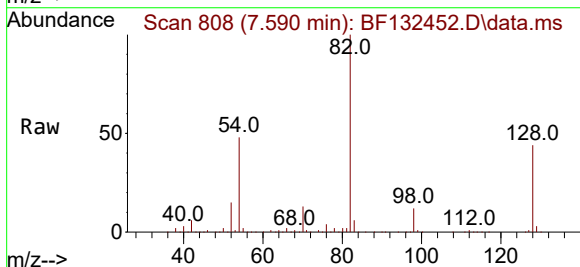
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.8	6.9	10.3
68	7.5	5.4	8.0

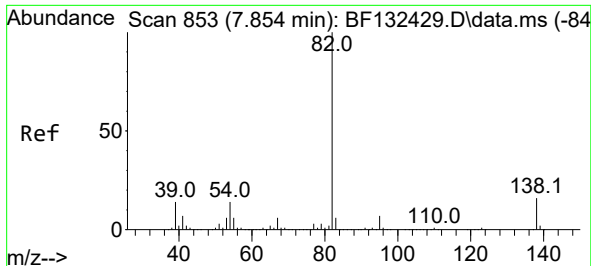


#23
Nitrobenzene-d5
Concen: 34.789 ng
RT: 7.590 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

Tgt Ion: 82 Resp: 562440

Ion	Ratio	Lower	Upper
82	100		
128	43.7	30.8	46.2
54	47.6	40.2	60.4

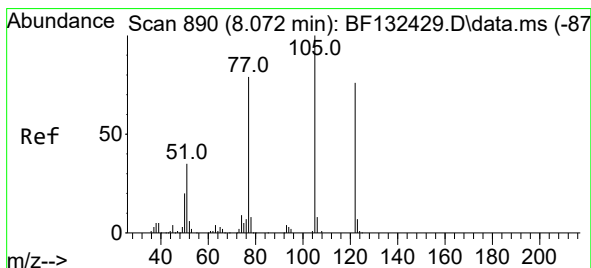
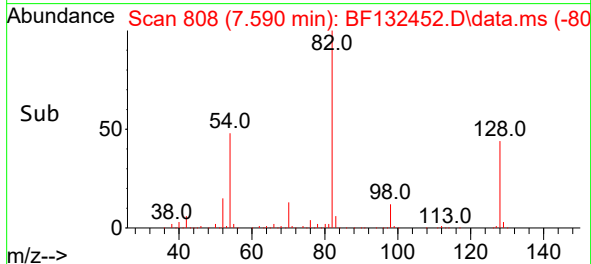
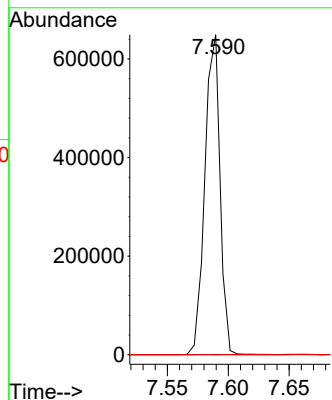
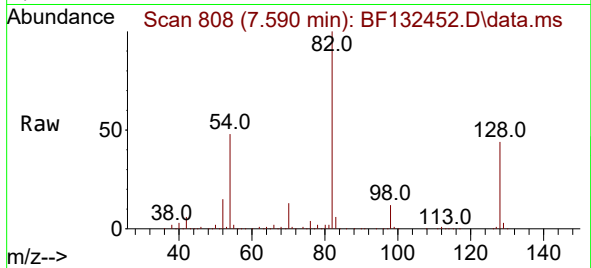




#25
Isophorone
Concen: 17.704 ng
RT: 7.590 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

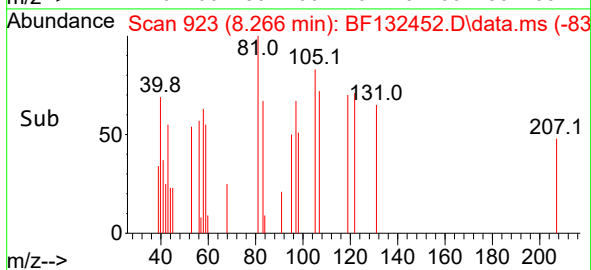
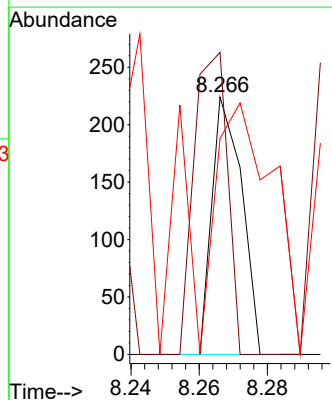
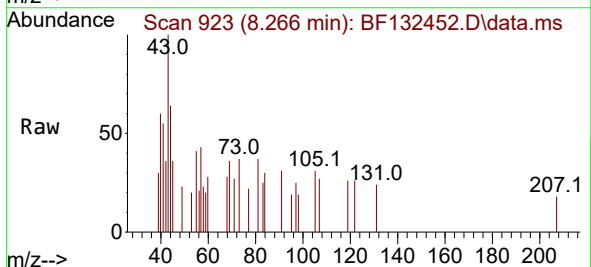
Instrument :
BNA_F
ClientSampleId :
OR-3-2142023DL

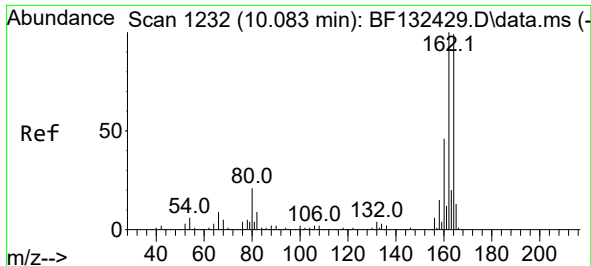
Tgt Ion: 82 Resp: 562432
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.7 19.1#



#32
Benzoic acid
Concen: 7.163 ng
RT: 8.266 min Scan# 923
Delta R.T. 0.194 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

Tgt Ion:122 Resp: 137
Ion Ratio Lower Upper
122 100
105 117.4 109.7 149.7
77 83.9 83.8 123.8

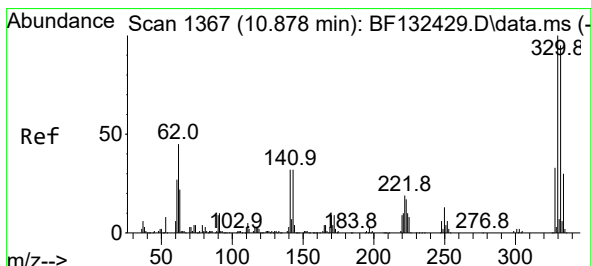
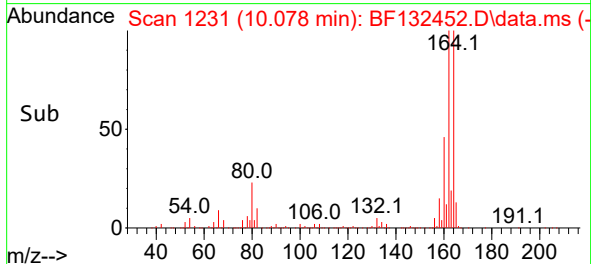
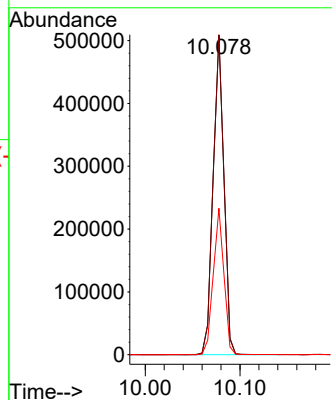
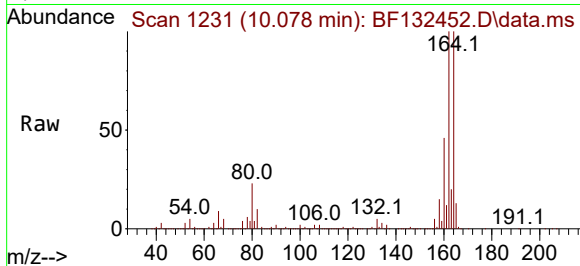




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.078 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

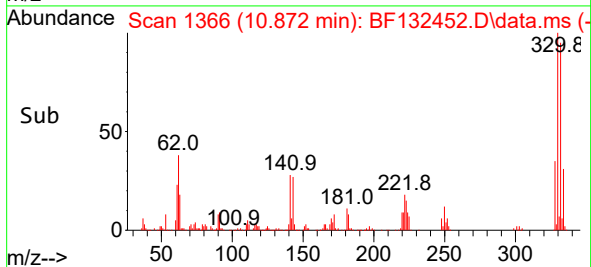
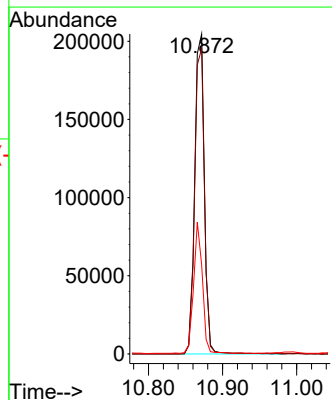
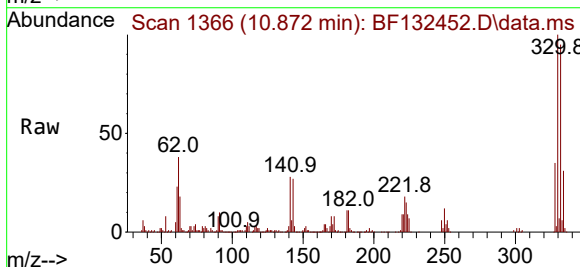
Instrument :
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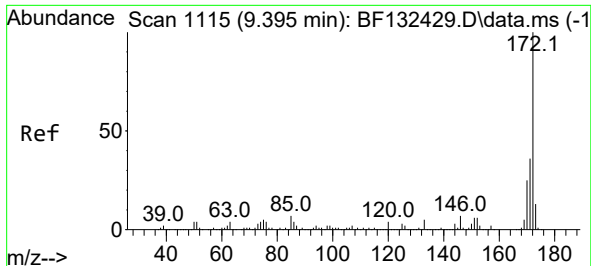
Tgt Ion:164 Resp: 400217
Ion Ratio Lower Upper
164 100
162 100.3 80.8 121.2
160 45.9 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 46.594 ng
RT: 10.872 min Scan# 1366
Delta R.T. -0.006 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

Tgt Ion:330 Resp: 186056
Ion Ratio Lower Upper
330 100
332 95.9 76.3 114.5
141 37.1 30.3 45.5





#45

2-Fluorobiphenyl

Concen: 36.246 ng

RT: 9.390 min Scan# 1115

Delta R.T. -0.005 min

Lab File: BF132452.D

Acq: 17 Feb 2023 13:51

Instrument :

BNA_F

ClientSampleId :

OR-3-2142023DL

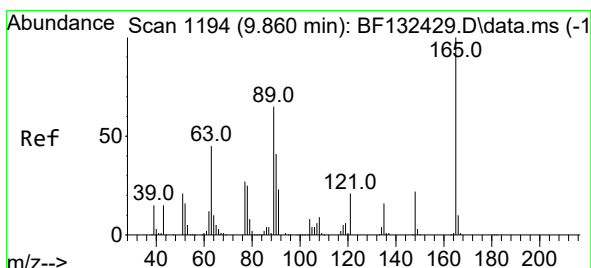
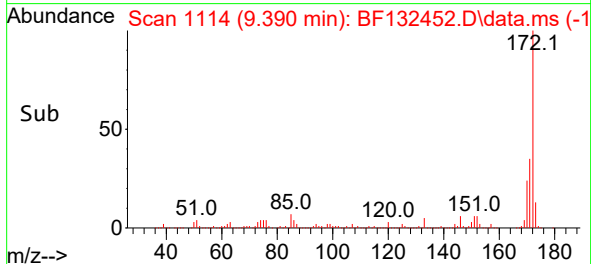
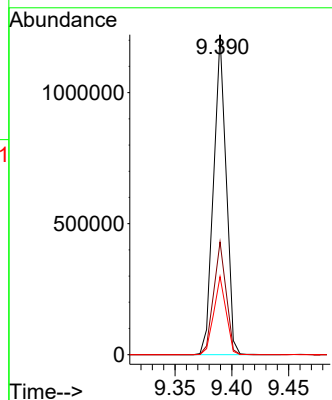
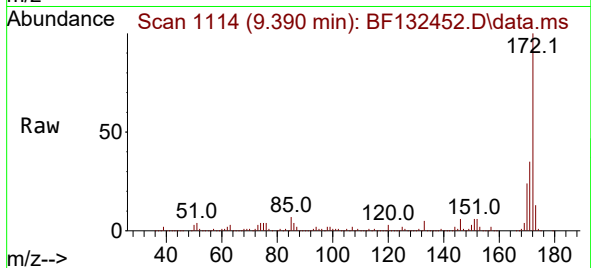
Tgt Ion:172 Resp: 939348

Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

170 24.4 19.9 29.9



#51

2,6-Dinitrotoluene

Concen: 8.534 ng

RT: 10.078 min Scan# 1231

Delta R.T. 0.218 min

Lab File: BF132452.D

Acq: 17 Feb 2023 13:51

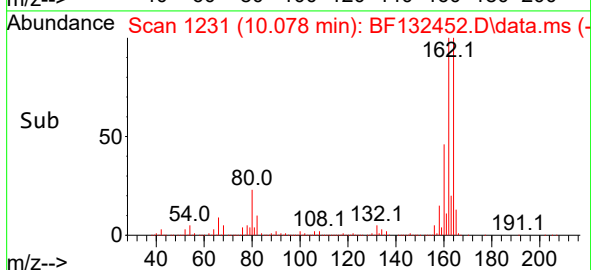
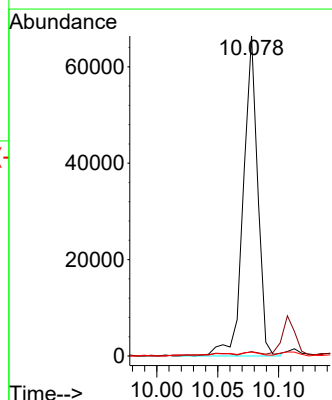
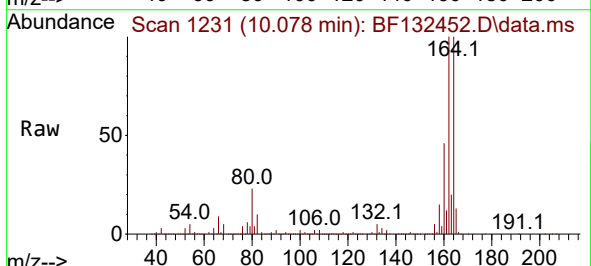
Tgt Ion:165 Resp: 54699

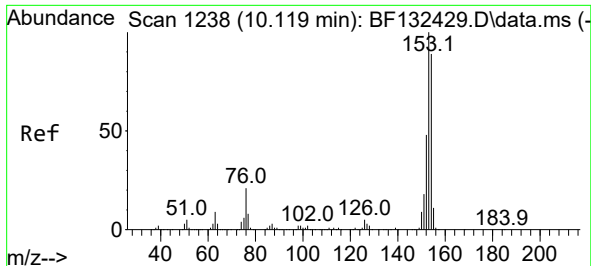
Ion Ratio Lower Upper

165 100

63 1.4 50.4 75.6#

89 1.2 52.2 78.2#

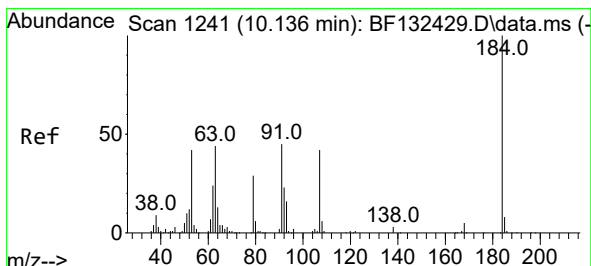
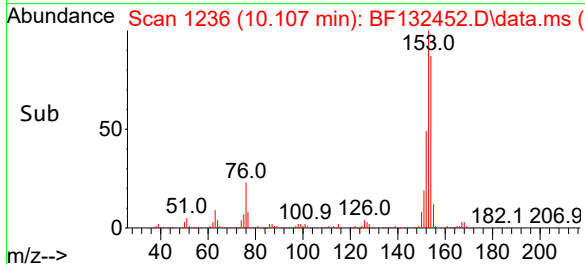
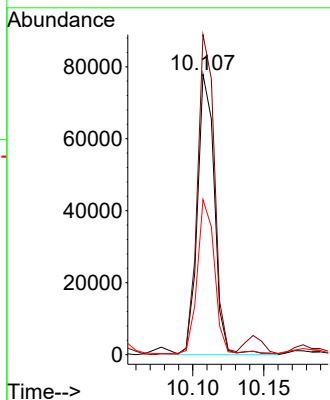
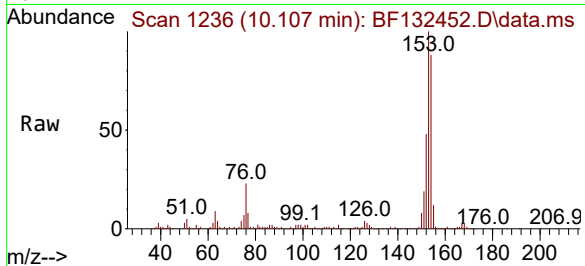




#52
Acenaphthene
Concen: 2.706 ng
RT: 10.107 min Scan# 1238
Delta R.T. -0.012 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

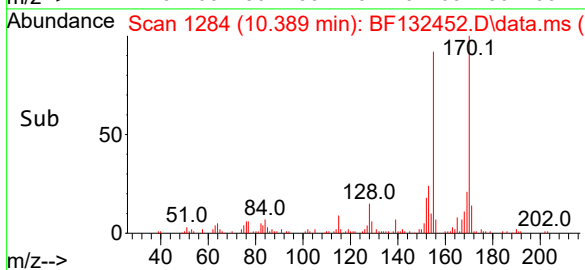
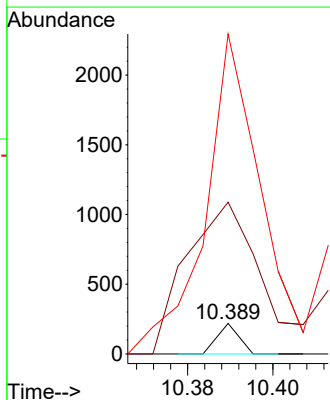
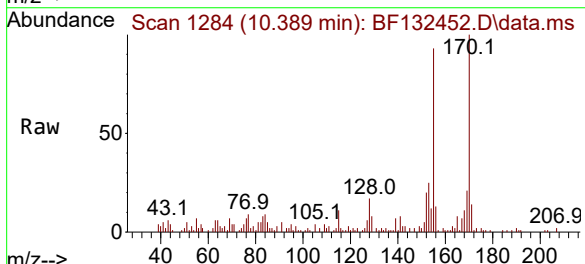
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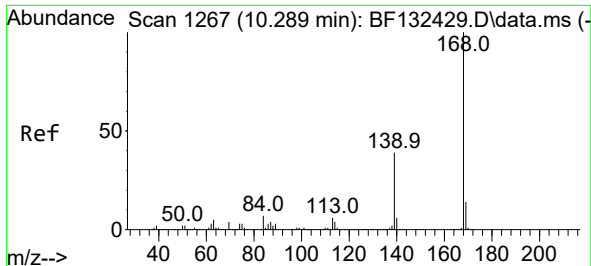
Tgt Ion:154 Resp: 65040
Ion Ratio Lower Upper
154 100
153 114.2 89.7 134.5
152 55.3 43.4 65.0



#54
2,4-Dinitrophenol
Concen: 5.146 ng
RT: 10.389 min Scan# 1284
Delta R.T. 0.253 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

Tgt Ion:184 Resp: 77
Ion Ratio Lower Upper
184 100
63 497.3 47.0 70.6#
154 1047.9 49.0 73.6#

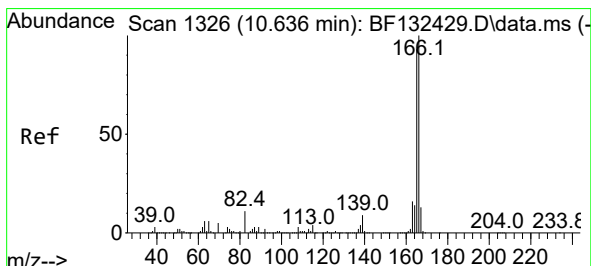
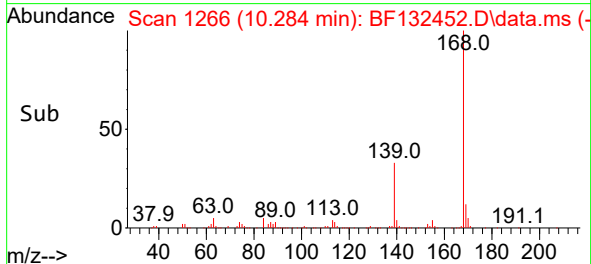
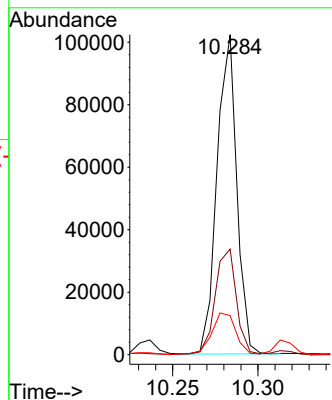
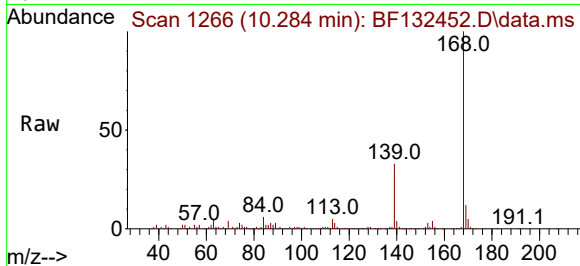




#55
Dibenzofuran
Concen: 2.313 ng
RT: 10.284 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

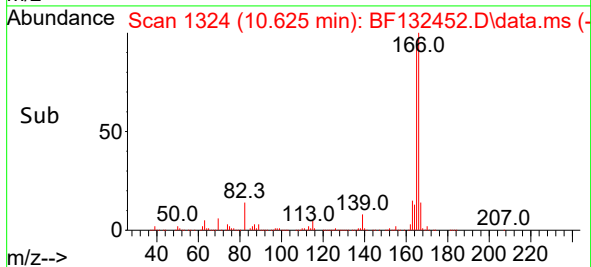
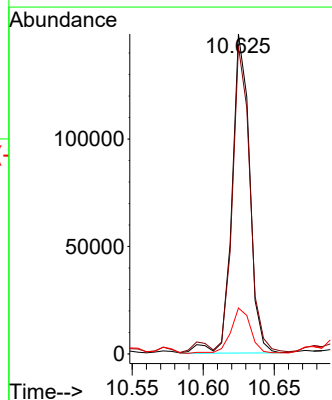
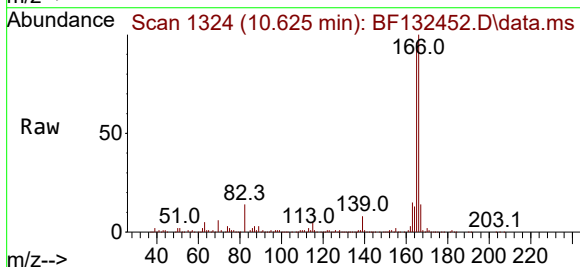
Instrument :
BNA_F
ClientSampleId :
OR-3-2142023DL

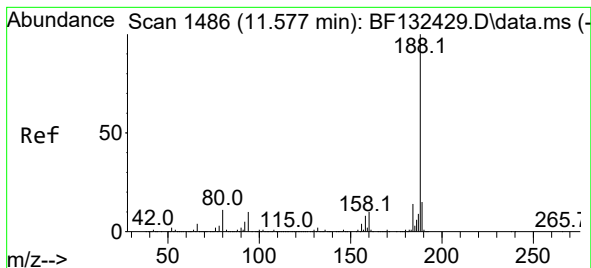
Tgt Ion:168 Resp: 82497
Ion Ratio Lower Upper
168 100
139 33.0 31.0 46.4
169 12.2 11.0 16.4



#58
Fluorene
Concen: 4.747 ng
RT: 10.625 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

Tgt Ion:166 Resp: 128009
Ion Ratio Lower Upper
166 100
165 96.1 74.6 111.8
167 14.4 10.8 16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.572 min Scan# 1485

Delta R.T. -0.006 min

Lab File: BF132452.D

Acq: 17 Feb 2023 13:51

Instrument :

BNA_F

ClientSampleId :

OR-3-2142023DL

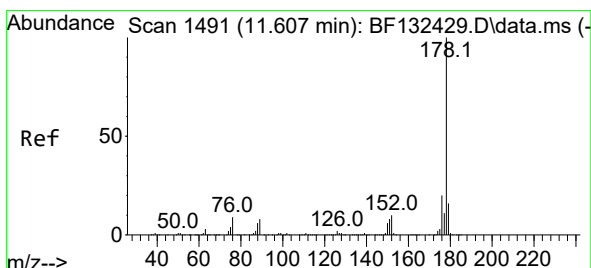
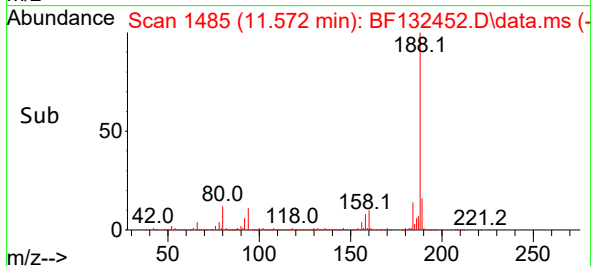
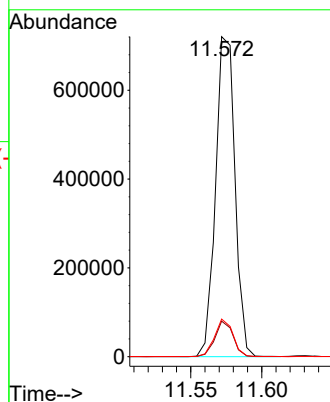
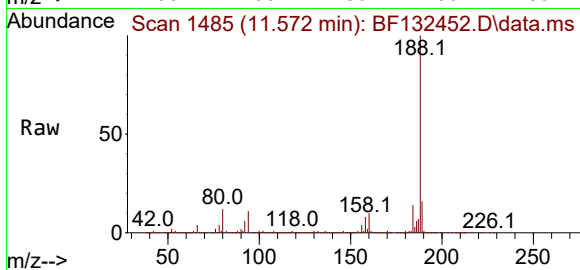
Tgt Ion:188 Resp: 683834

Ion Ratio Lower Upper

188 100

94 11.1 8.0 12.0

80 11.8 8.6 12.8



#71

Phenanthrene

Concen: 32.258 ng

RT: 11.601 min Scan# 1490

Delta R.T. -0.006 min

Lab File: BF132452.D

Acq: 17 Feb 2023 13:51

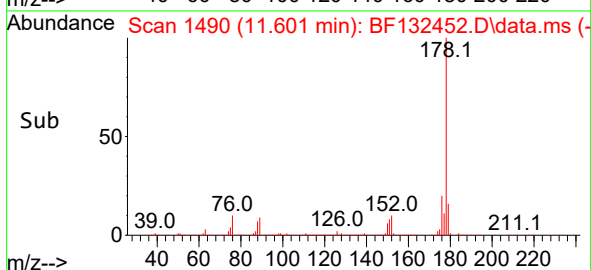
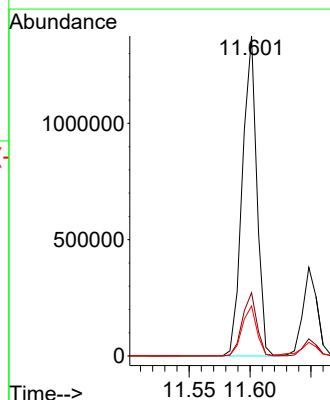
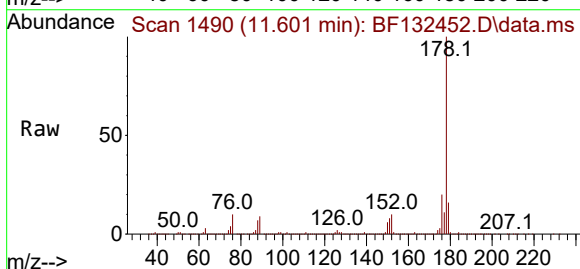
Tgt Ion:178 Resp: 1136147

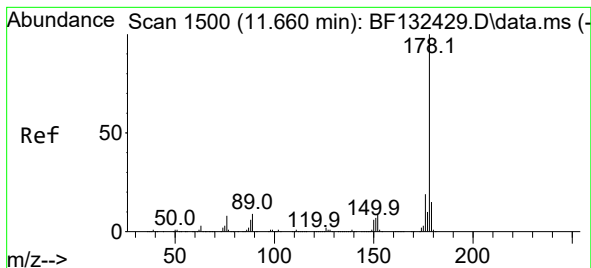
Ion Ratio Lower Upper

178 100

176 19.8 16.2 24.2

179 15.6 12.6 18.8





#72

Anthracene

Concen: 8.339 ng

RT: 11.648 min Scan# 1498

Delta R.T. -0.012 min

Lab File: BF132452.D

Acq: 17 Feb 2023 13:51

Instrument :

BNA_F

ClientSampleId :

OR-3-2142023DL

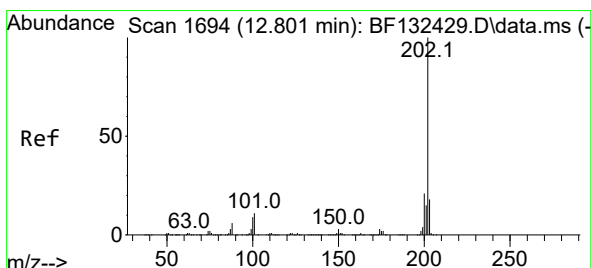
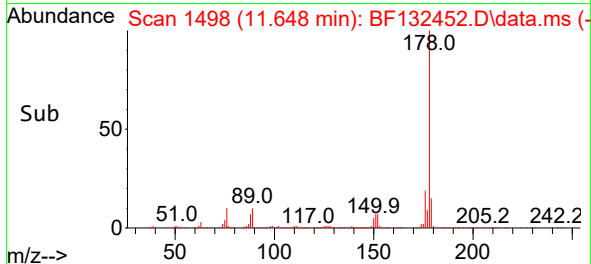
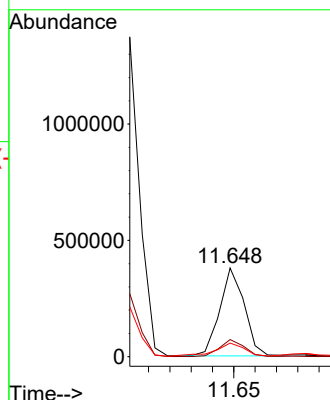
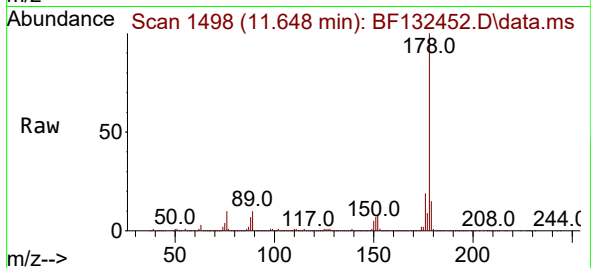
Tgt Ion:178 Resp: 301935

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.2

179 15.3 12.4 18.6



#75

Fluoranthene

Concen: 35.021 ng

RT: 12.801 min Scan# 1694

Delta R.T. 0.000 min

Lab File: BF132452.D

Acq: 17 Feb 2023 13:51

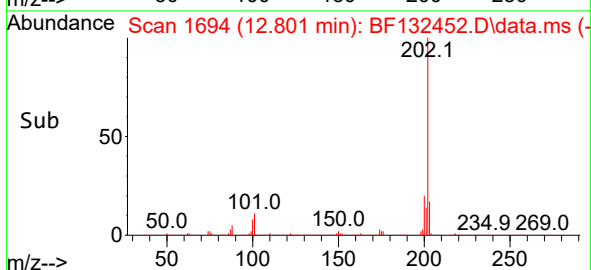
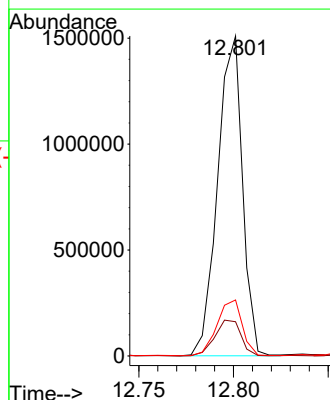
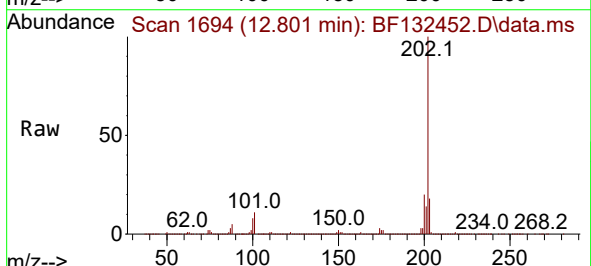
Tgt Ion:202 Resp: 1375548

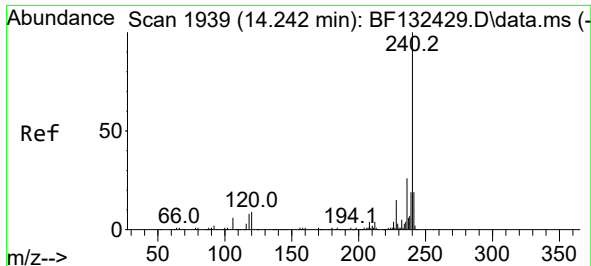
Ion Ratio Lower Upper

202 100

101 10.7 0.0 31.3

203 17.5 0.0 37.8

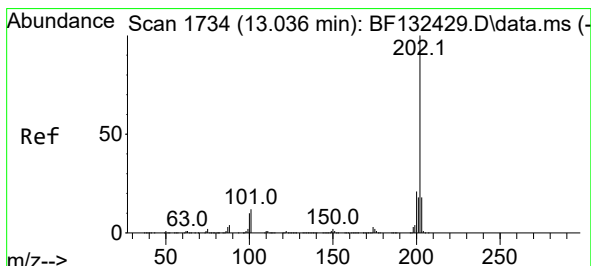
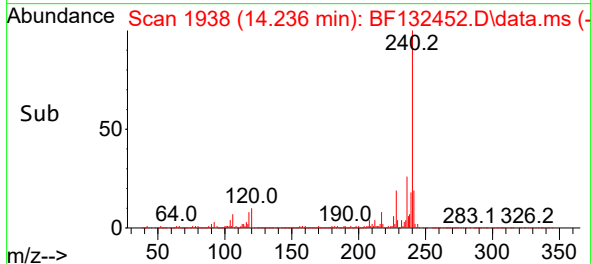
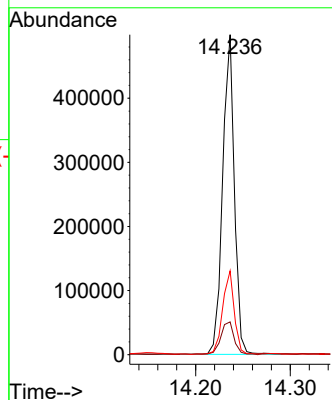
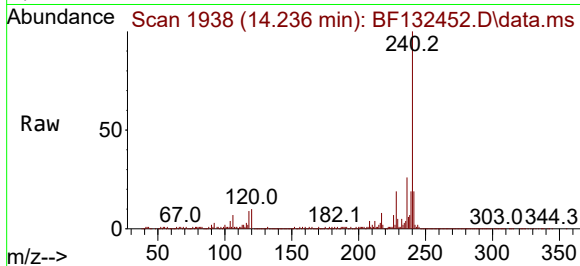




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.236 min Scan# 1938
Delta R.T. -0.006 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

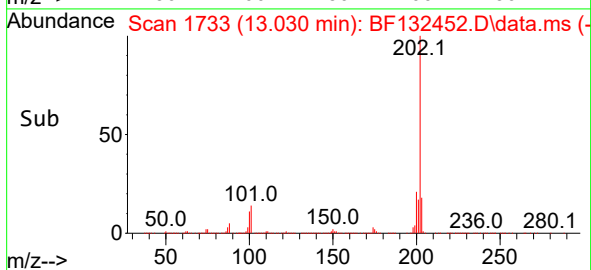
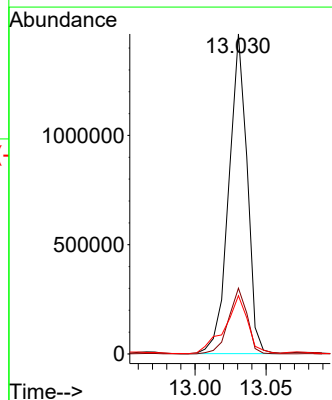
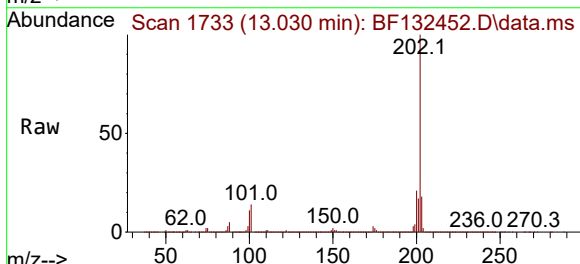
Instrument :
BNA_F
ClientSampleId :
OR-3-2142023DL

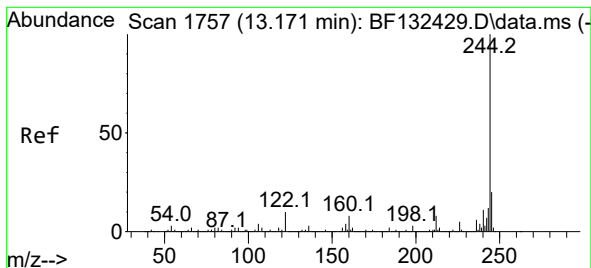
Tgt Ion:240 Resp: 429125
Ion Ratio Lower Upper
240 100
120 10.3 7.5 11.3
236 26.2 21.0 31.6



#78
Pyrene
Concen: 35.908 ng
RT: 13.030 min Scan# 1733
Delta R.T. -0.006 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

Tgt Ion:202 Resp: 1308987
Ion Ratio Lower Upper
202 100
200 20.6 16.6 25.0
203 18.2 14.3 21.5





#79

Terphenyl-d14

Concen: 37.898 ng

RT: 13.166 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132452.D

Acq: 17 Feb 2023 13:51

Instrument :

BNA_F

ClientSampleId :

OR-3-2142023DL

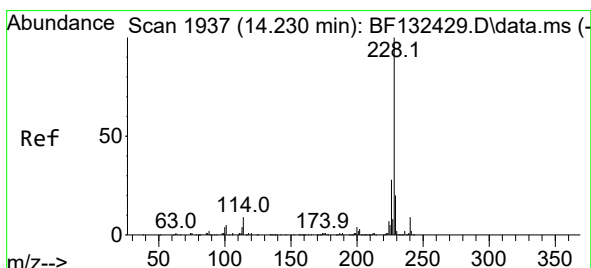
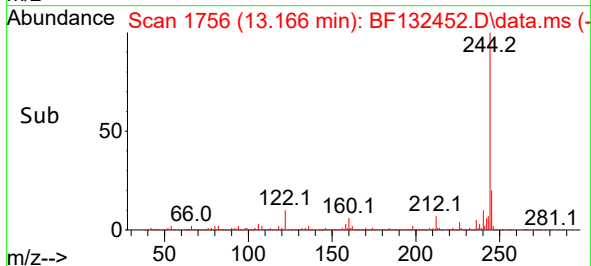
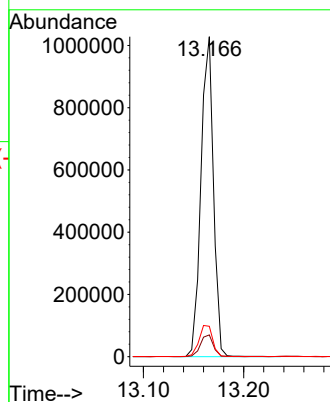
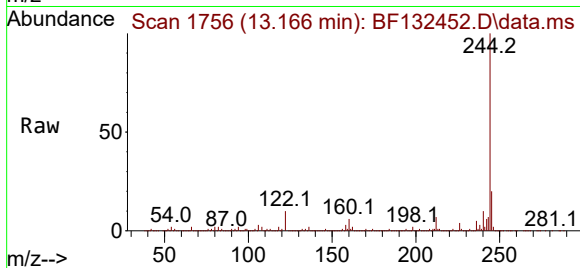
Tgt Ion:244 Resp: 892982

Ion Ratio Lower Upper

244 100

212 6.8 6.7 10.1

122 9.5 7.7 11.5



#81

Benzo(a)anthracene

Concen: 20.487 ng

RT: 14.225 min Scan# 1936

Delta R.T. -0.006 min

Lab File: BF132452.D

Acq: 17 Feb 2023 13:51

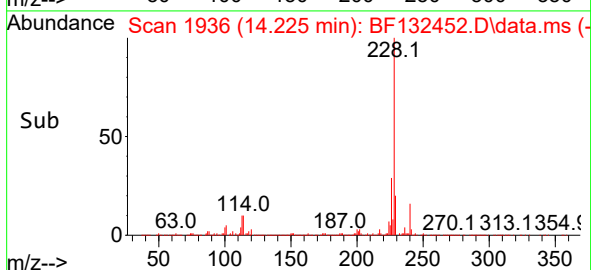
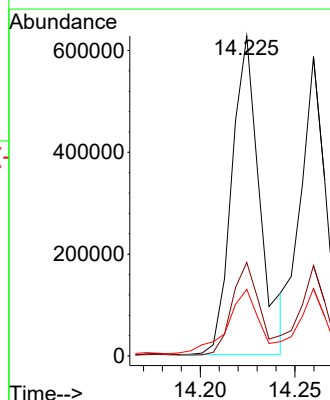
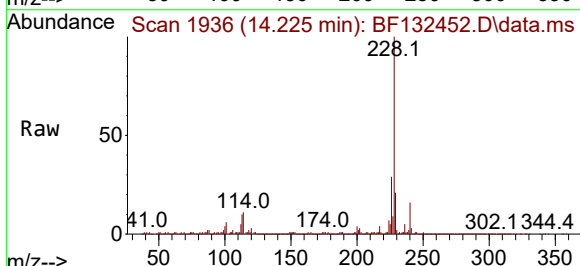
Tgt Ion:228 Resp: 643895

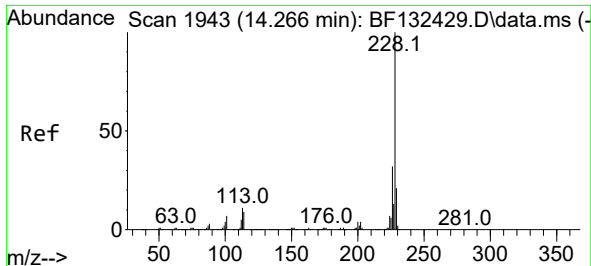
Ion Ratio Lower Upper

228 100

226 29.2 22.6 34.0

229 20.8 16.2 24.4

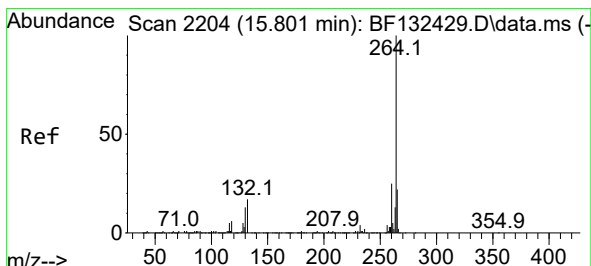
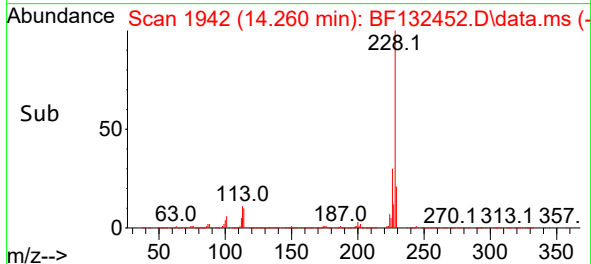
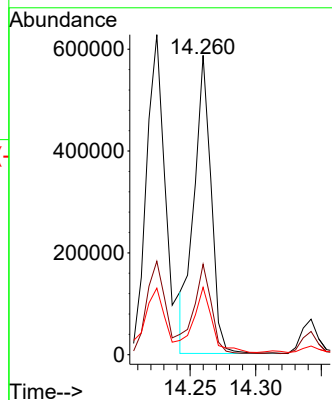
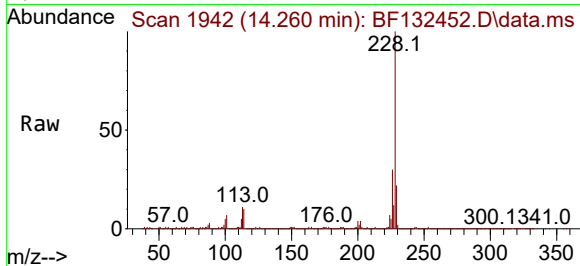




#83
Chrysene
Concen: 17.638 ng
RT: 14.260 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

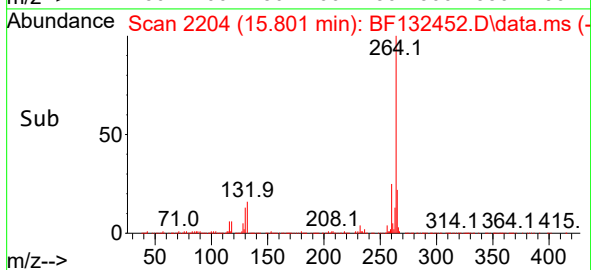
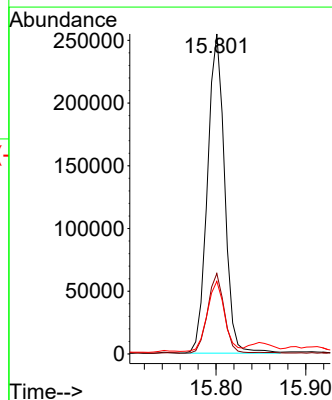
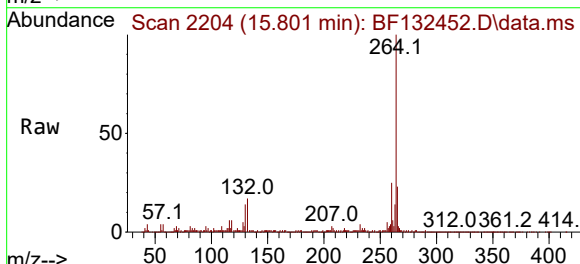
Instrument :
BNA_F
ClientSampleId :
OR-3-2142023DL

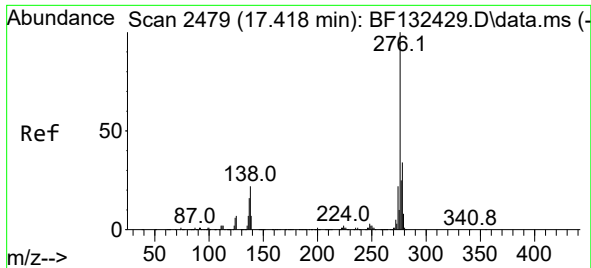
Tgt Ion:228 Resp: 529643
Ion Ratio Lower Upper
228 100
226 30.2 25.4 38.2
229 22.5 16.6 25.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.801 min Scan# 2204
Delta R.T. 0.000 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

Tgt Ion:264 Resp: 337871
Ion Ratio Lower Upper
264 100
260 25.1 20.0 30.0
265 22.7 17.2 25.8

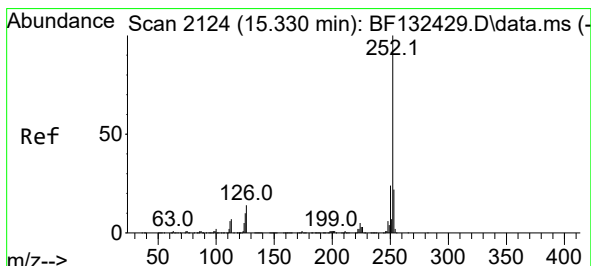
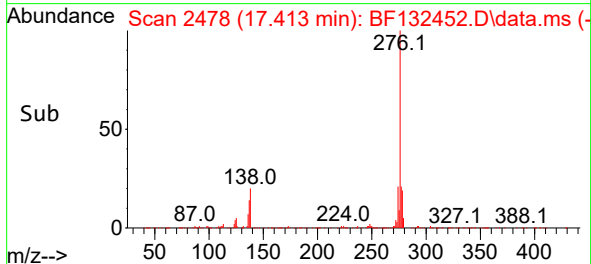
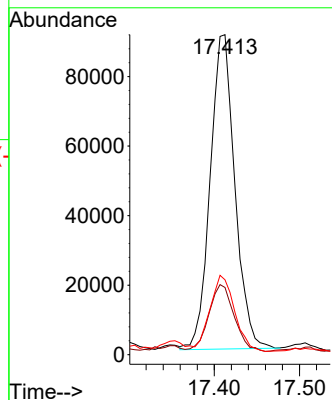
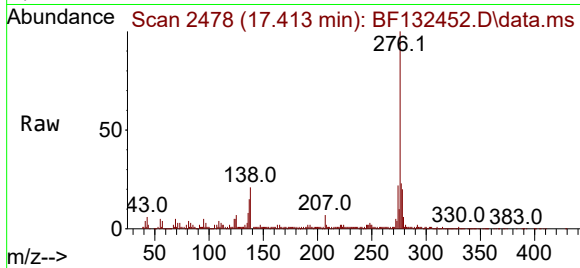




#87
Indeno(1,2,3-cd)pyrene
Concen: 8.441 ng
RT: 17.413 min Scan# 2479
Delta R.T. -0.006 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

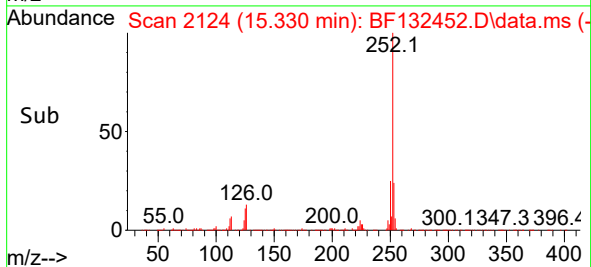
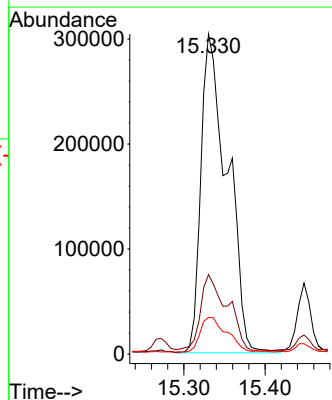
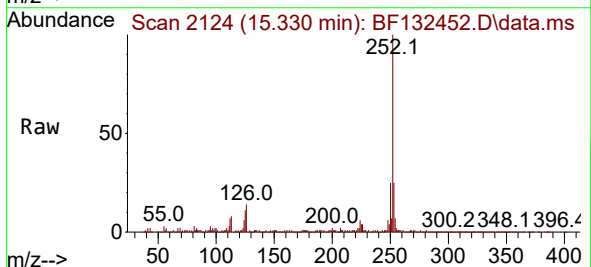
Instrument :
BNA_F
ClientSampleId :
OR-3-2142023DL

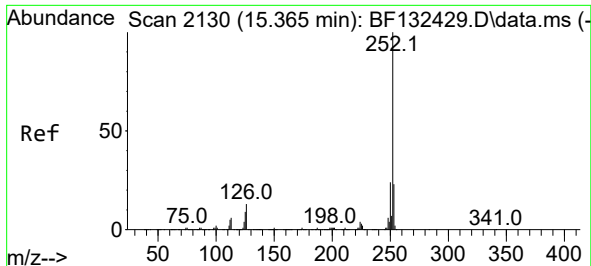
Tgt Ion:276 Resp: 182306
Ion Ratio Lower Upper
276 100
138 21.8 20.2 30.4
277 24.2 20.0 30.0



#88
Benzo(b)fluoranthene
Concen: 30.859 ng
RT: 15.330 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

Tgt Ion:252 Resp: 685651
Ion Ratio Lower Upper
252 100
253 24.8 17.8 26.8
125 11.4 7.6 11.4#

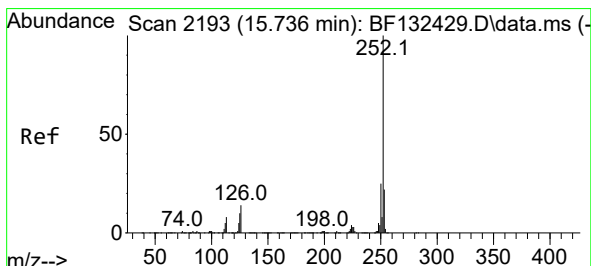
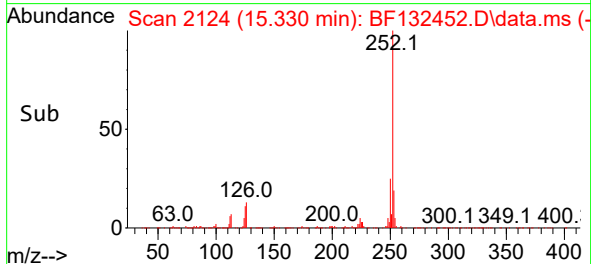
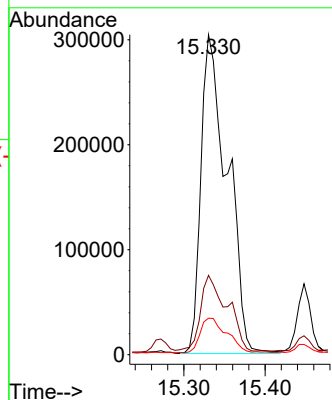
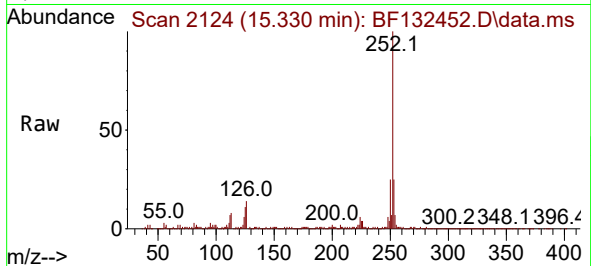




#89
Benzo(k)fluoranthene
Concen: 30.837 ng
RT: 15.330 min Scan# 2130
Delta R.T. -0.035 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

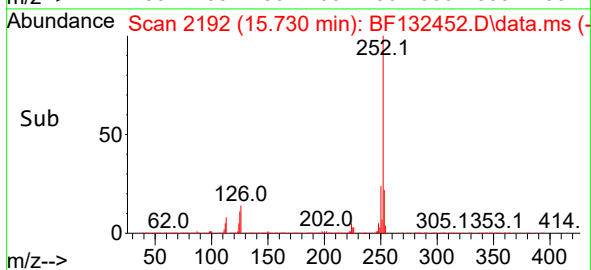
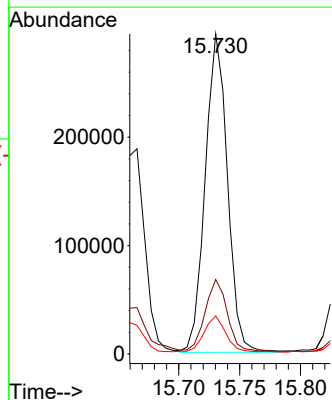
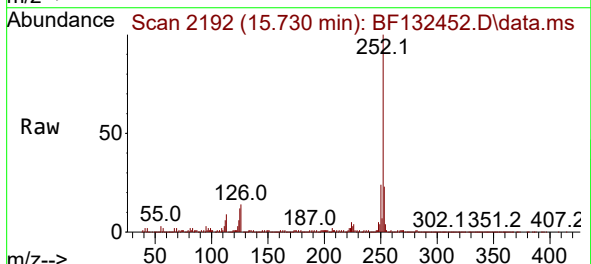
Instrument :
BNA_F
ClientSampleId :
OR-3-2142023DL

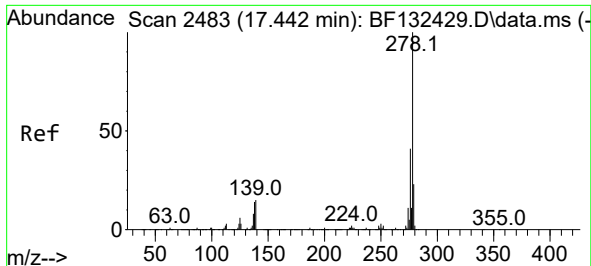
Tgt Ion:252 Resp: 685651
Ion Ratio Lower Upper
252 100
253 24.8 18.2 27.2
125 11.4 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 18.030 ng
RT: 15.730 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

Tgt Ion:252 Resp: 372298
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 11.9 8.2 12.4

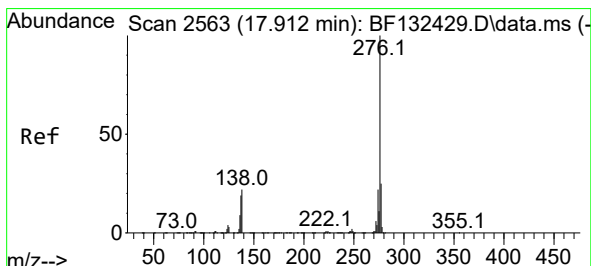
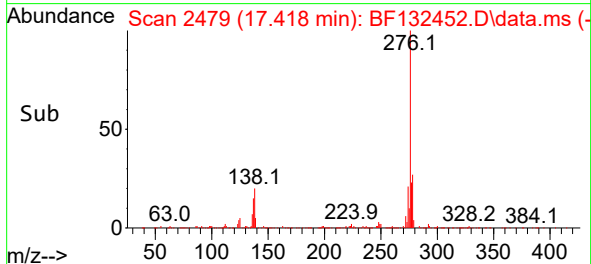
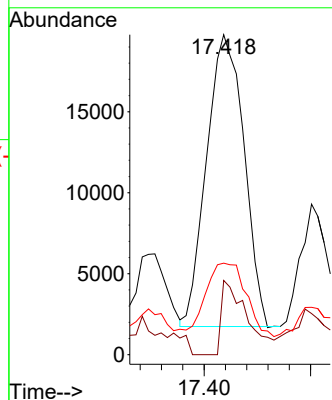
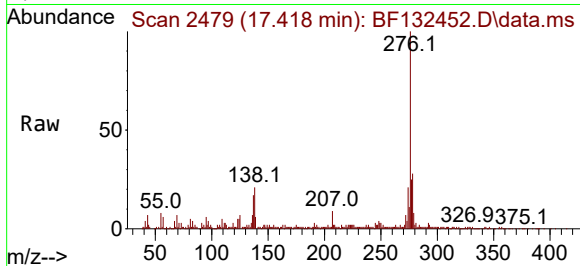




#91
Dibenzo(a,h)anthracene
Concen: 2.469 ng
RT: 17.418 min Scan# 2483
Delta R.T. -0.023 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

Instrument :
BNA_F
ClientSampleId :
OR-3-2142023DL

Tgt Ion:278 Resp: 43920
Ion Ratio Lower Upper
278 100
139 23.2 12.2 18.2#
279 28.6 18.8 28.2#



#92
Benzo(g,h,i)perylene
Concen: 10.068 ng
RT: 17.901 min Scan# 2561
Delta R.T. -0.012 min
Lab File: BF132452.D
Acq: 17 Feb 2023 13:51

Tgt Ion:276 Resp: 183932
Ion Ratio Lower Upper
276 100
277 24.7 19.6 29.4
138 22.4 17.7 26.5

