

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
 Data File : BF132477.D
 Acq On : 20 Feb 2023 13:40
 Operator : CG\JU
 Sample : 01586-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3RE

Quant Time: Feb 21 01:02:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 20 13:34:28 2023
 Response via : Initial Calibration

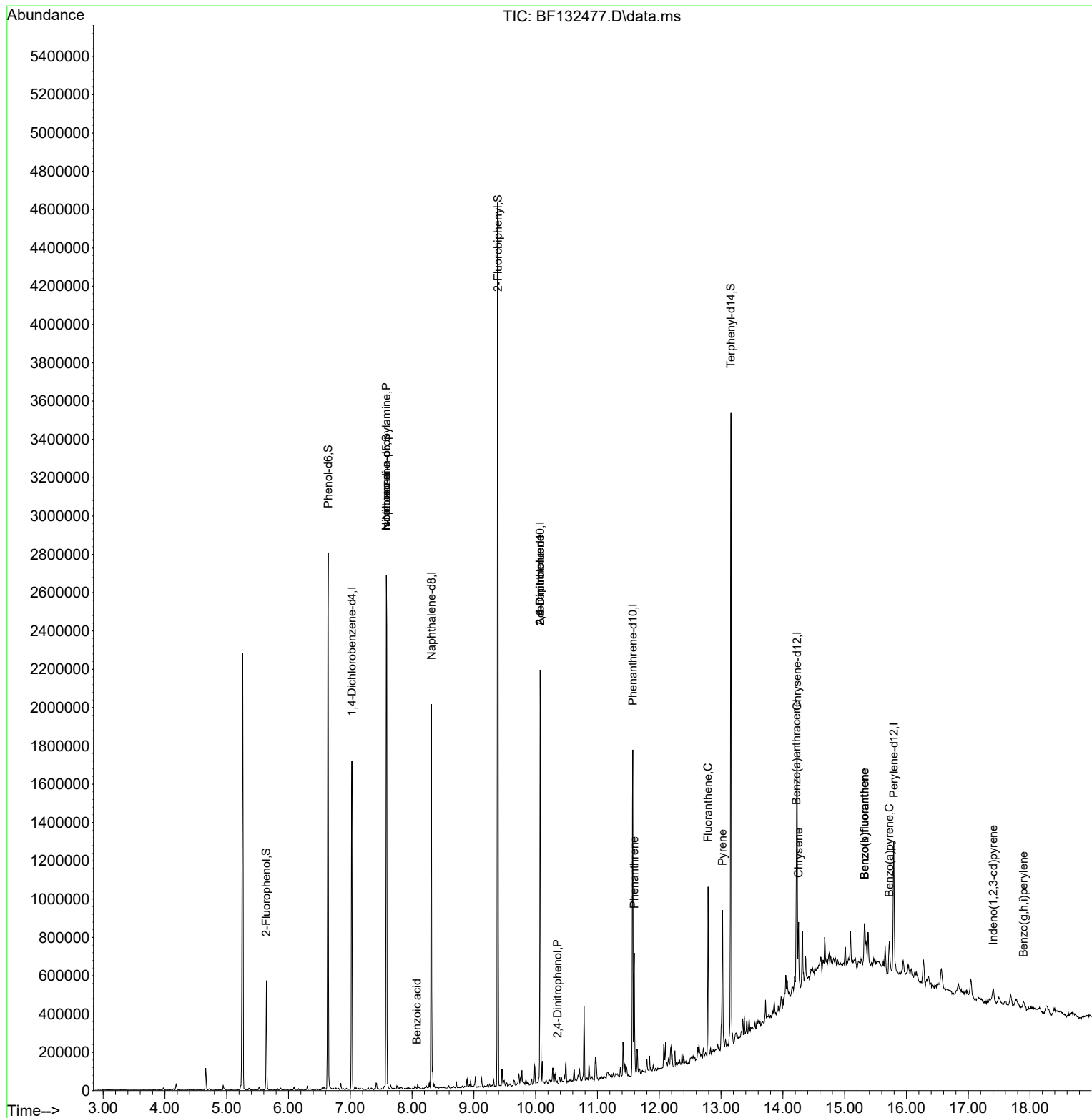
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.025	152	237204	20.000	ng	0.00
21) Naphthalene-d8	8.313	136	844294	20.000	ng	0.00
39) Acenaphthene-d10	10.072	164	421379	20.000	ng	0.00
64) Phenanthrene-d10	11.572	188	629126	20.000	ng	0.00
76) Chrysene-d12	14.230	240	387023	20.000	ng	0.00
86) Perylene-d12	15.795	264	304474	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.643	112	142378	9.618	ng	0.00
7) Phenol-d6	6.642	99	935298	48.387	ng	0.00
23) Nitrobenzene-d5	7.584	82	892626	50.800	ng	-0.01
42) 2,4,6-Tribromophenol	10.866	330	6579	1.565	ng	0.00
45) 2-Fluorobiphenyl	9.389	172	1419224	52.013	ng	0.00
79) Terphenyl-d14	13.160	244	1094914	51.523	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.584	70	117419	9.909	ng	# 81
25) Isophorone	7.584	82	890783	25.799	ng	# 68
32) Benzoic acid	8.078	122	249	7.172	ng	# 1
51) 2,6-Dinitrotoluene	10.072	165	56332	8.348	ng	# 20
54) 2,4-Dinitrophenol	10.354	184	123	5.155	ng	# 21
57) 2,4-Dinitrotoluene	10.072	165	56332	6.341	ng	# 20
71) Phenanthrene	11.595	178	219548	6.776	ng	99
75) Fluoranthene	12.789	202	328166	9.081	ng	99
78) Pyrene	13.024	202	284135	8.642	ng	99
81) Benzo(a)anthracene	14.218	228	149912	5.289	ng	99
83) Chrysene	14.254	228	141019	5.207	ng	96
87) Indeno(1,2,3-cd)pyrene	17.406	276	41643	2.140	ng	97
88) Benzo(b)fluoranthene	15.324	252	180485	9.014	ng	# 94
89) Benzo(k)fluoranthene	15.324	252	180485	9.008	ng	# 94
90) Benzo(a)pyrene	15.724	252	84476	4.540	ng	# 92
92) Benzo(g,h,i)perylene	17.895	276	40806	2.479	ng	98

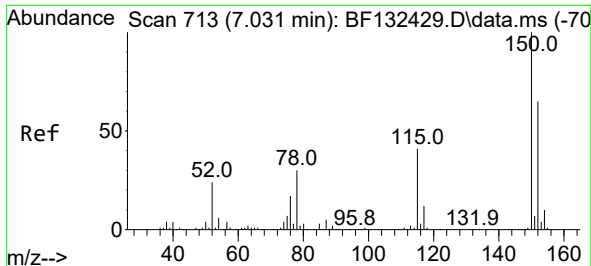
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
Data File : BF132477.D
Acq On : 20 Feb 2023 13:40
Operator : CG\JU
Sample : 01586-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMP-3RE

Quant Time: Feb 21 01:02:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 20 13:34:28 2023
Response via : Initial Calibration

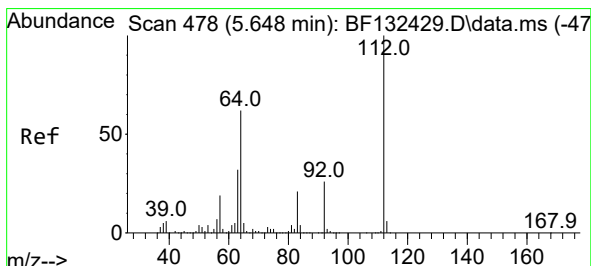
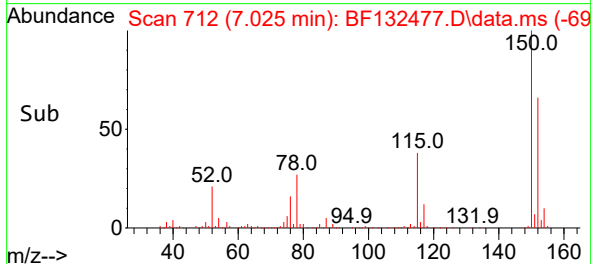
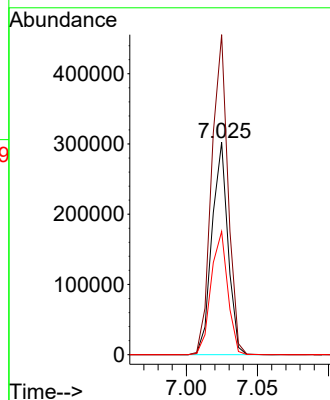
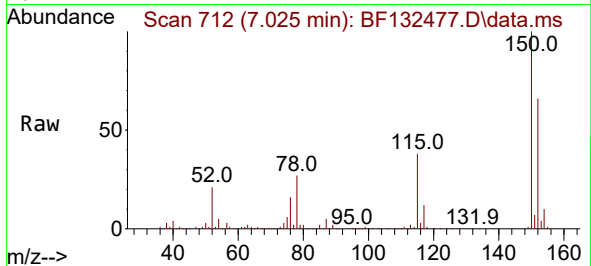




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.025 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

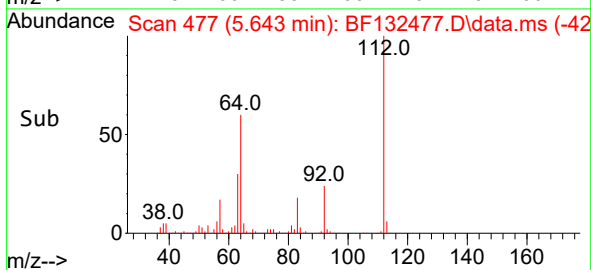
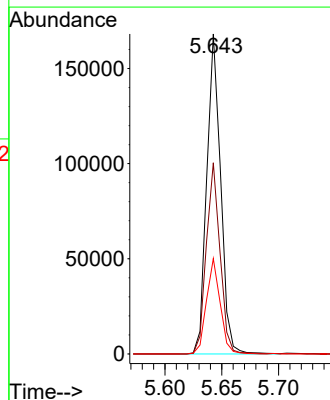
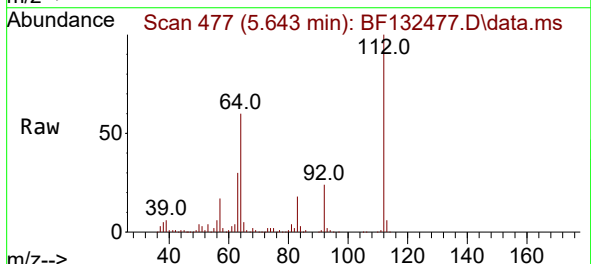
Instrument :
BNA_F
ClientSampleId :
COMP-3RE

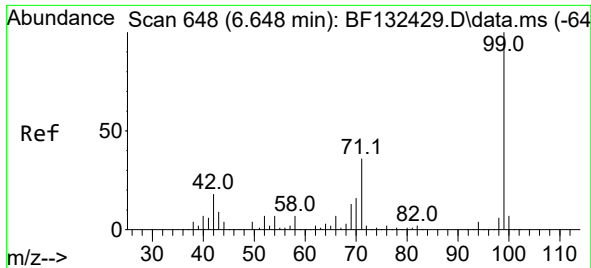
Tgt Ion:152 Resp: 237204
Ion Ratio Lower Upper
152 100
150 150.7 123.8 185.8
115 58.0 50.4 75.6



#5
2-Fluorophenol
Concen: 9.618 ng
RT: 5.643 min Scan# 477
Delta R.T. 0.000 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

Tgt Ion:112 Resp: 142378
Ion Ratio Lower Upper
112 100
64 59.7 49.7 74.5
63 29.8 25.8 38.8

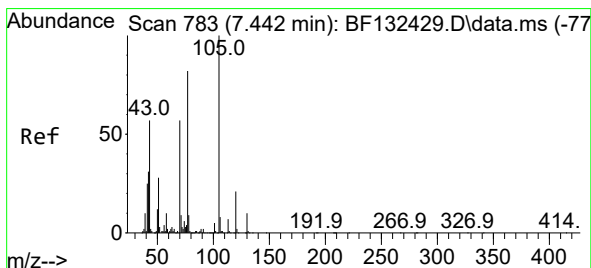
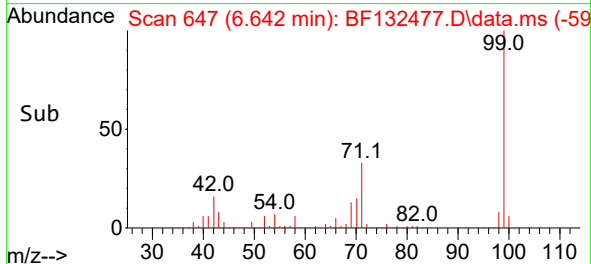
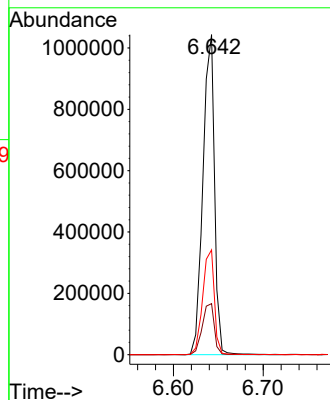
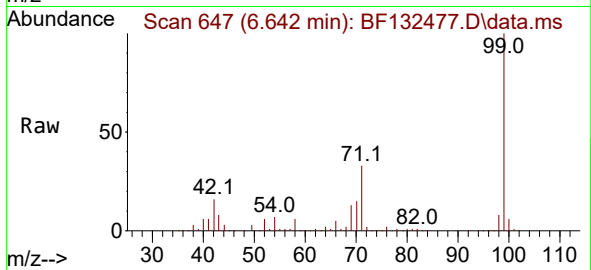




#7
Phenol-d6
Concen: 48.387 ng
RT: 6.642 min Scan# 64
Delta R.T. -0.006 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

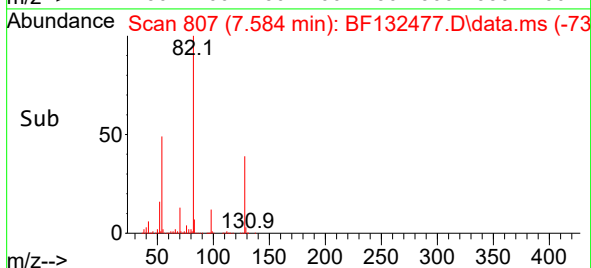
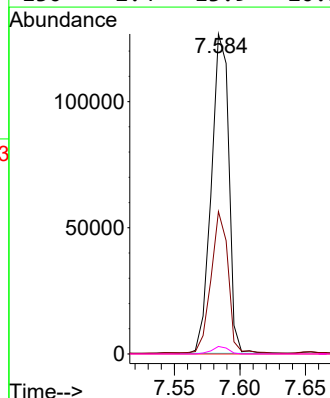
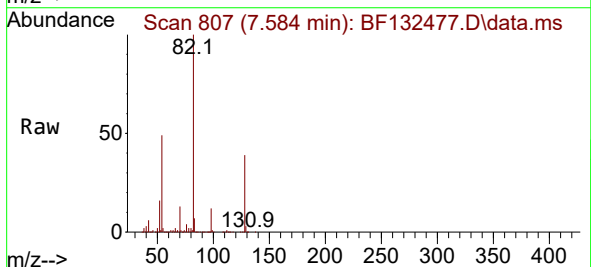
Instrument :
BNA_F
ClientSampleId :
COMP-3RE

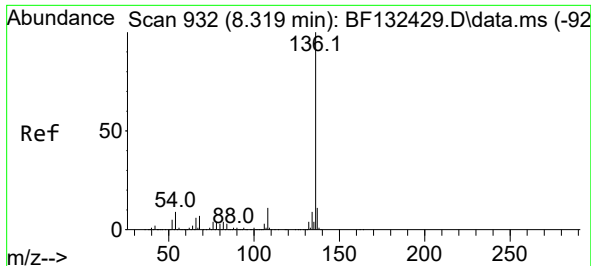
Tgt Ion: 99 Resp: 935298
Ion Ratio Lower Upper
99 100
42 16.0 14.6 21.8
71 32.8 28.7 43.1



#19
n-Nitroso-di-n-propylamine
Concen: 9.909 ng
RT: 7.584 min Scan# 807
Delta R.T. 0.147 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

Tgt Ion: 70 Resp: 117419
Ion Ratio Lower Upper
70 100
42 44.5 43.5 65.3
101 0.0 7.3 10.9#
130 2.4 13.9 20.9#



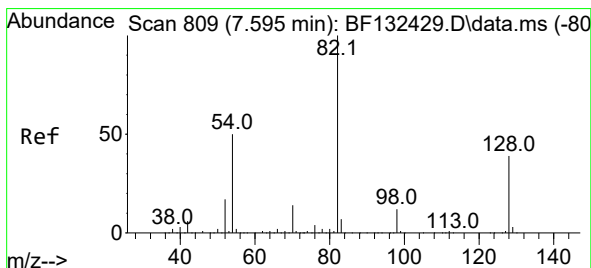
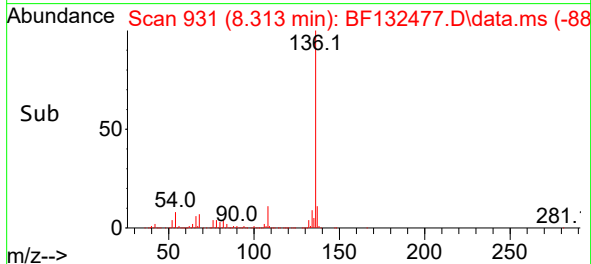
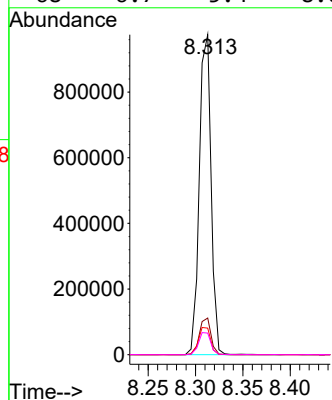
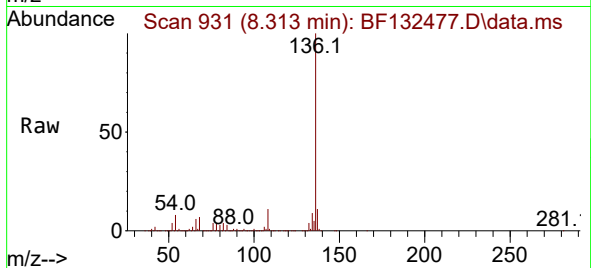


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.313 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

Instrument :
BNA_F
ClientSampleId :
COMP-3RE

Tgt Ion:136 Resp: 844294

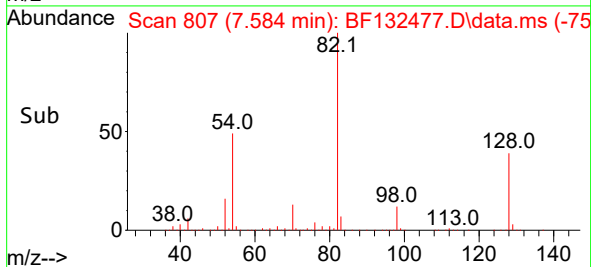
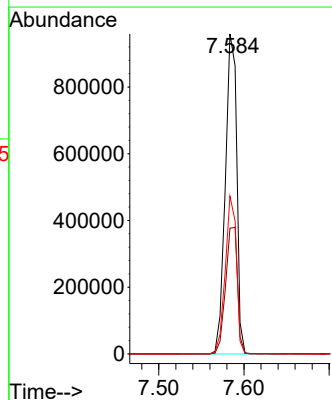
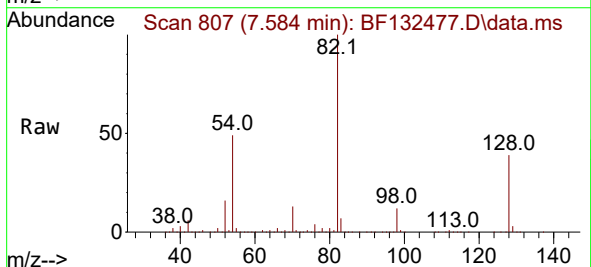
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	8.3	6.9	10.3
68	6.7	5.4	8.0

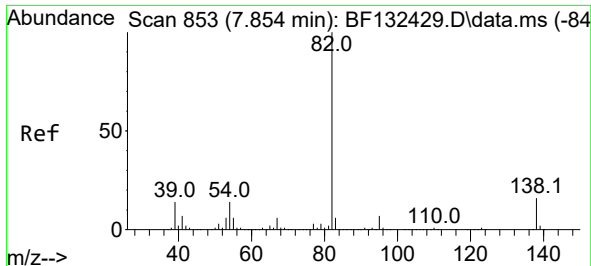


#23
Nitrobenzene-d5
Concen: 50.800 ng
RT: 7.584 min Scan# 807
Delta R.T. -0.012 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

Tgt Ion: 82 Resp: 892626

Ion	Ratio	Lower	Upper
82	100		
128	39.3	30.8	46.2
54	49.3	40.2	60.4

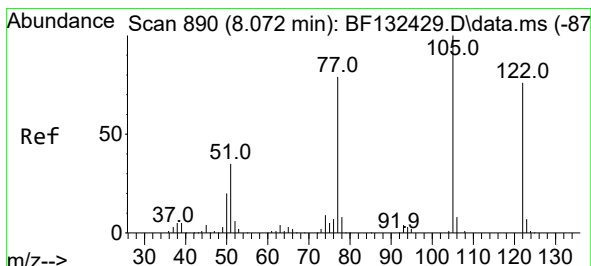
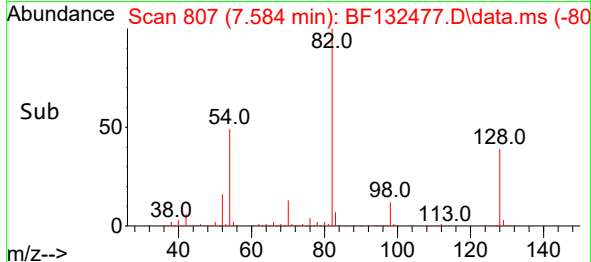
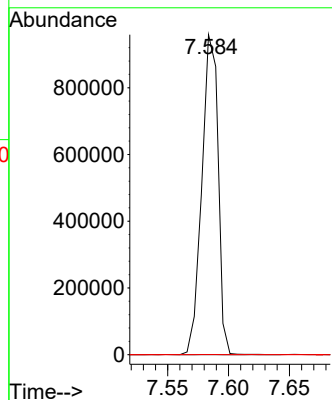
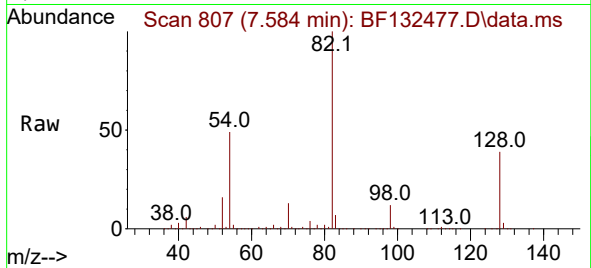




#25
Isophorone
Concen: 25.799 ng
RT: 7.584 min Scan# 80
Delta R.T. -0.265 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

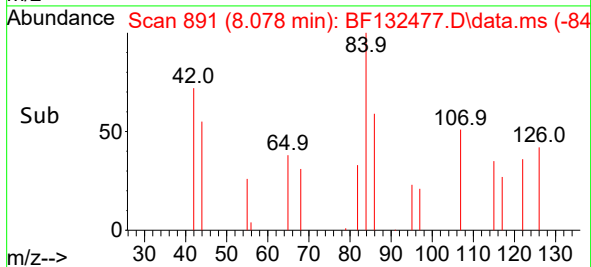
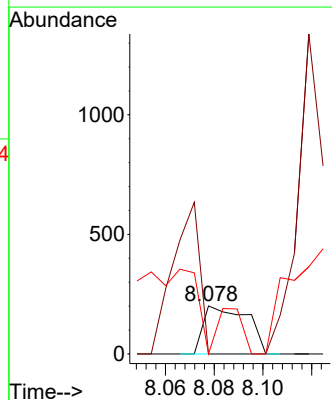
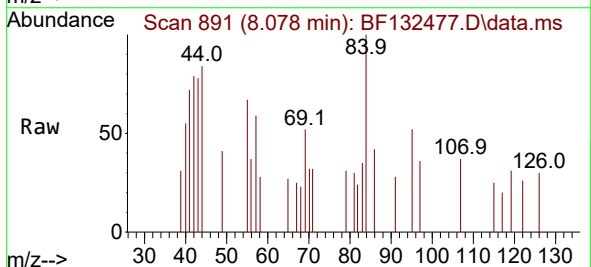
Instrument :
BNA_F
ClientSampleId :
COMP-3RE

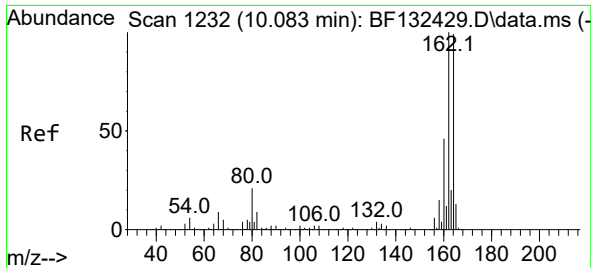
Tgt Ion: 82 Resp: 890783
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.7 19.1#



#32
Benzoic acid
Concen: 7.172 ng
RT: 8.078 min Scan# 891
Delta R.T. 0.000 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

Tgt Ion:122 Resp: 249
Ion Ratio Lower Upper
122 100
105 0.0 109.7 149.7#
77 0.0 83.8 123.8#

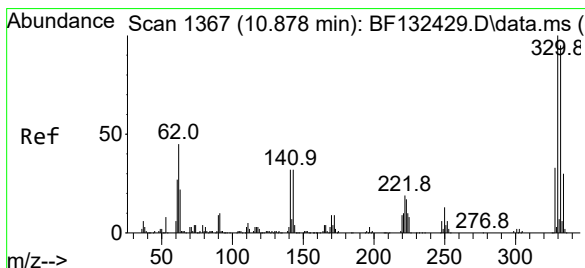
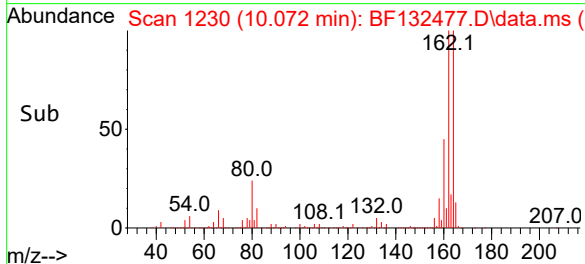
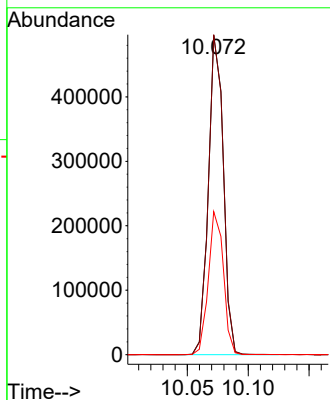
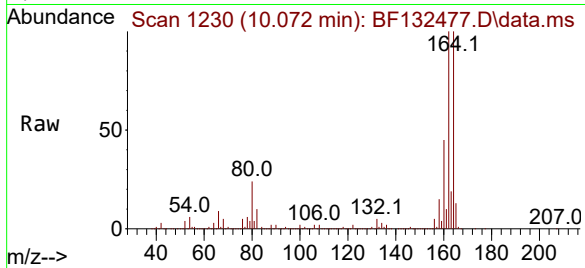




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.072 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

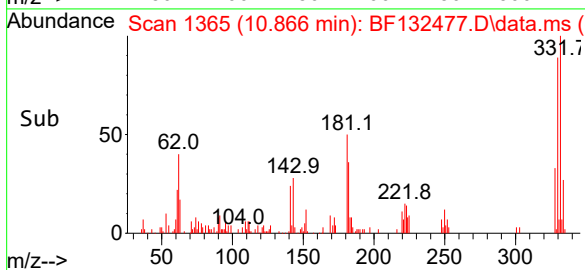
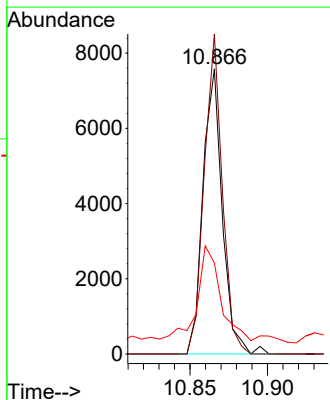
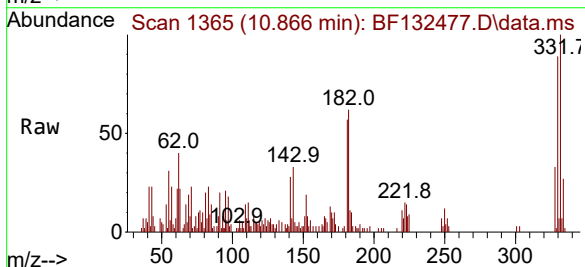
Instrument :
BNA_F
ClientSampleId :
COMP-3RE

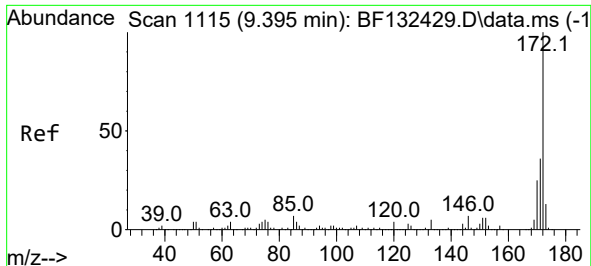
Tgt Ion:164 Resp: 421379
Ion Ratio Lower Upper
164 100
162 100.2 80.8 121.2
160 44.8 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 1.565 ng
RT: 10.866 min Scan# 1365
Delta R.T. -0.006 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

Tgt Ion:330 Resp: 6579
Ion Ratio Lower Upper
330 100
332 104.7 76.3 114.5
141 46.1 30.3 45.5#





#45

2-Fluorobiphenyl

Concen: 52.013 ng

RT: 9.389 min Scan# 1114

Delta R.T. 0.000 min

Lab File: BF132477.D

Acq: 20 Feb 2023 13:40

Instrument :

BNA_F

ClientSampleId :

COMP-3RE

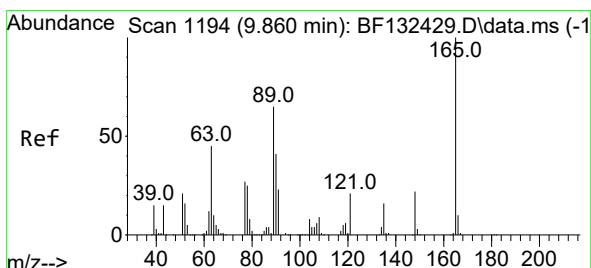
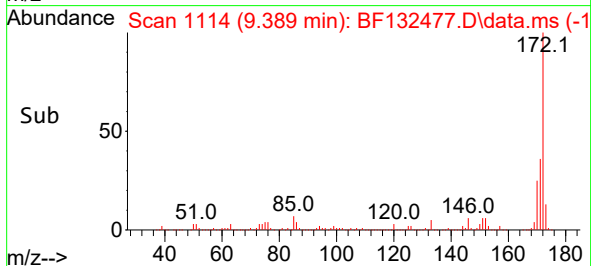
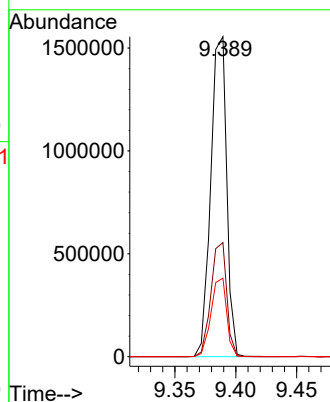
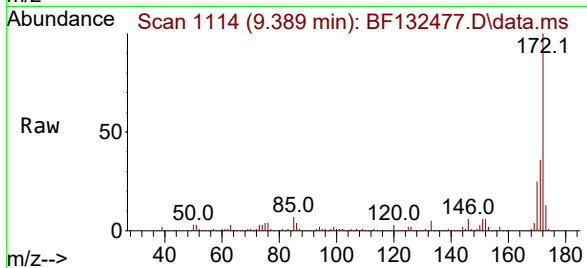
Tgt Ion:172 Resp: 1419224

Ion Ratio Lower Upper

172 100

171 35.6 28.6 42.8

170 24.6 19.9 29.9



#51

2,6-Dinitrotoluene

Concen: 8.348 ng

RT: 10.072 min Scan# 1230

Delta R.T. 0.218 min

Lab File: BF132477.D

Acq: 20 Feb 2023 13:40

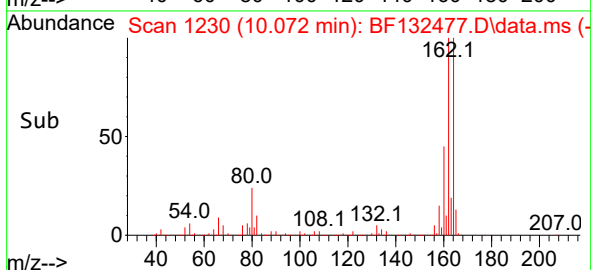
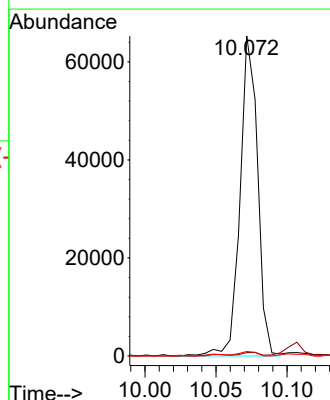
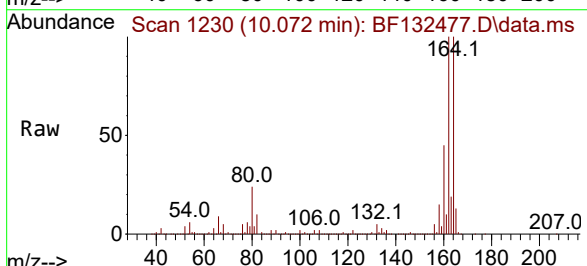
Tgt Ion:165 Resp: 56332

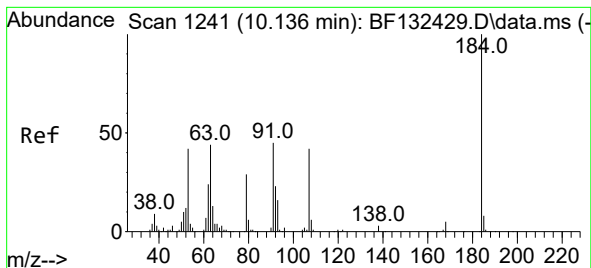
Ion Ratio Lower Upper

165 100

63 1.1 50.4 75.6#

89 1.4 52.2 78.2#

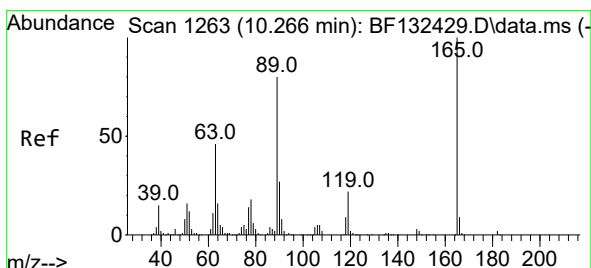
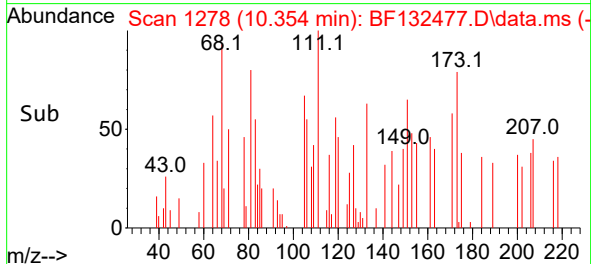
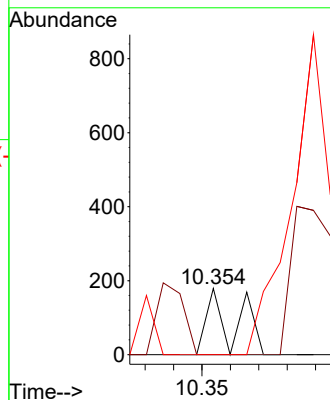
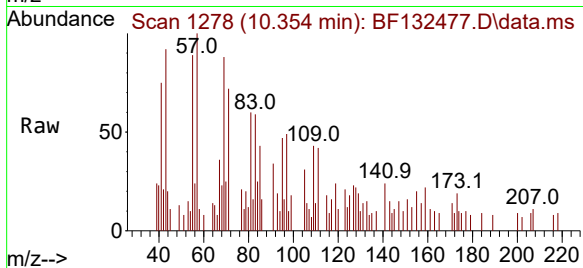




#54
2,4-Dinitrophenol
Concen: 5.155 ng
RT: 10.354 min Scan# 11
Delta R.T. 0.224 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

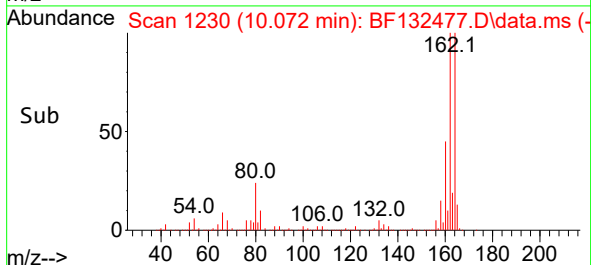
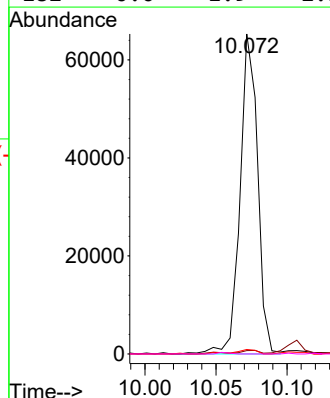
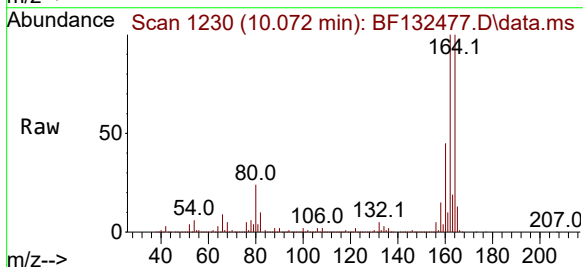
Instrument :
BNA_F
ClientSampleId :
COMP-3RE

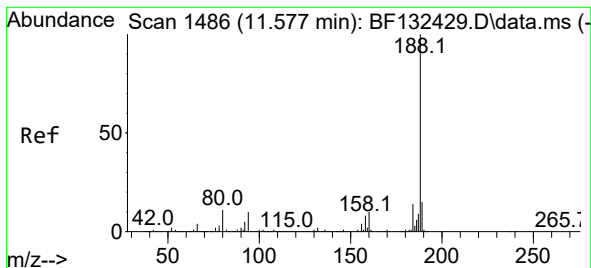
Tgt Ion:184 Resp: 123
Ion Ratio Lower Upper
184 100
63 0.0 47.0 70.6#
154 0.0 49.0 73.6#



#57
2,4-Dinitrotoluene
Concen: 6.341 ng
RT: 10.072 min Scan# 1230
Delta R.T. -0.188 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

Tgt Ion:165 Resp: 56332
Ion Ratio Lower Upper
165 100
63 1.1 37.1 55.7#
89 1.4 63.6 95.4#
182 0.0 1.9 2.9#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.572 min Scan# 1486

Delta R.T. 0.000 min

Lab File: BF132477.D

Acq: 20 Feb 2023 13:40

Instrument :

BNA_F

ClientSampleId :

COMP-3RE

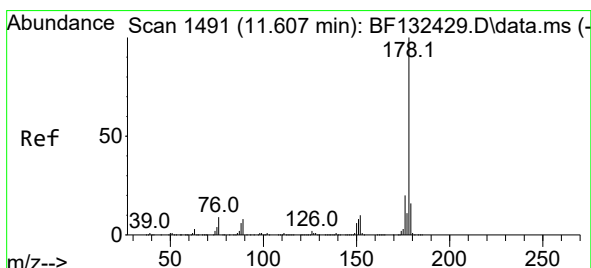
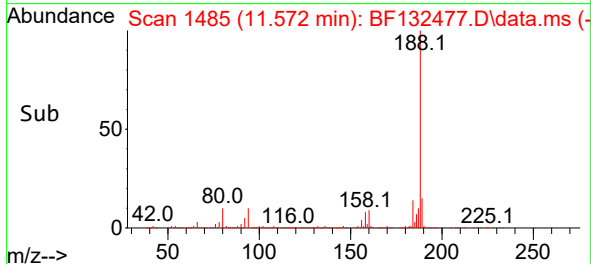
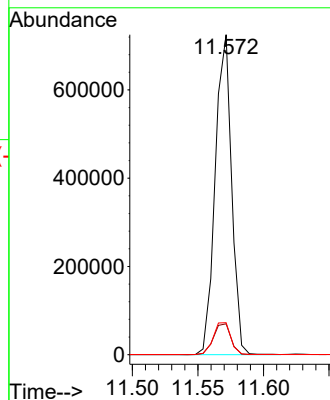
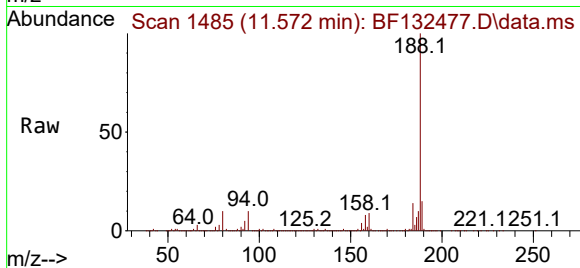
Tgt Ion:188 Resp: 629126

Ion Ratio Lower Upper

188 100

94 9.6 8.0 12.0

80 10.0 8.6 12.8



#71

Phenanthrene

Concen: 6.776 ng

RT: 11.595 min Scan# 1489

Delta R.T. 0.000 min

Lab File: BF132477.D

Acq: 20 Feb 2023 13:40

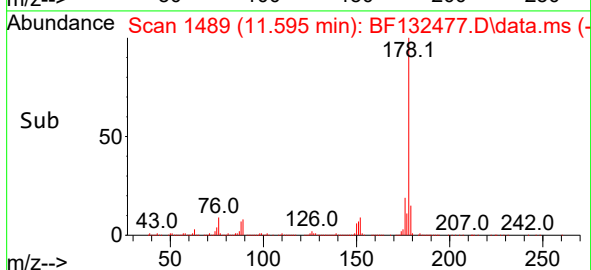
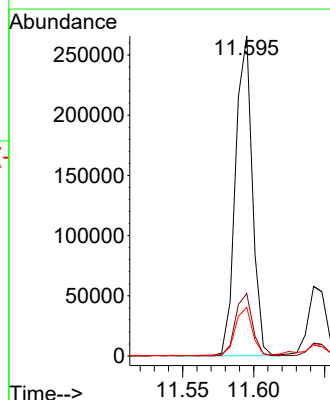
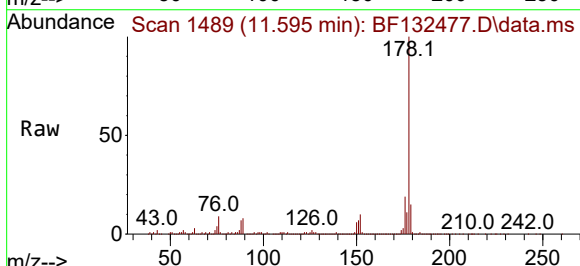
Tgt Ion:178 Resp: 219548

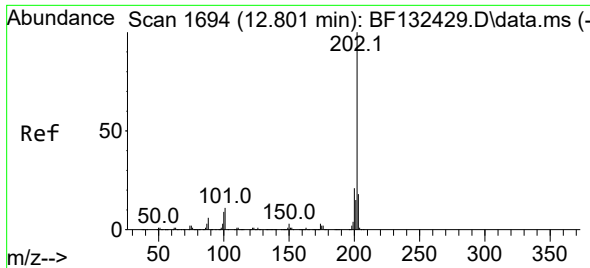
Ion Ratio Lower Upper

178 100

176 19.5 16.2 24.2

179 15.2 12.6 18.8

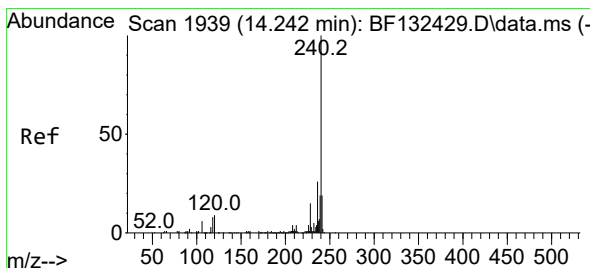
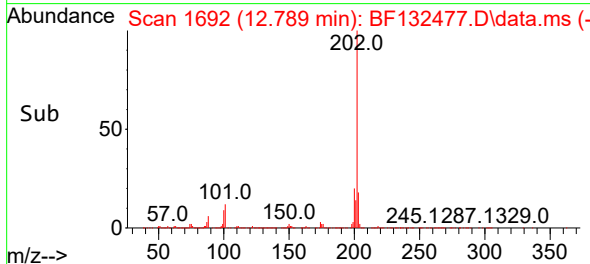
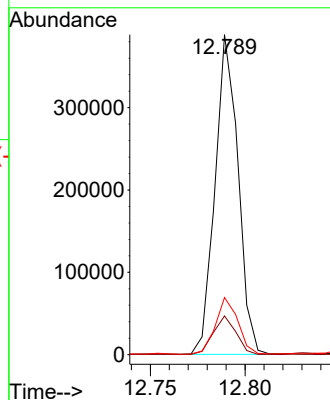
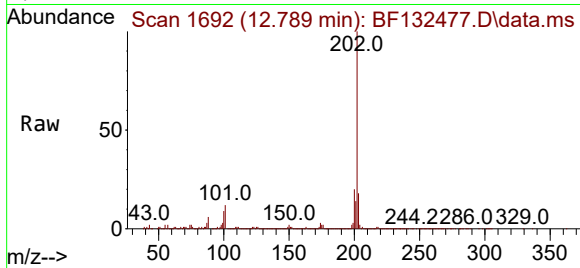




#75
Fluoranthene
Concen: 9.081 ng
RT: 12.789 min Scan# 1692
Delta R.T. -0.006 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

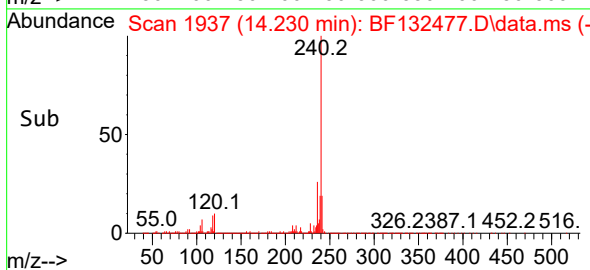
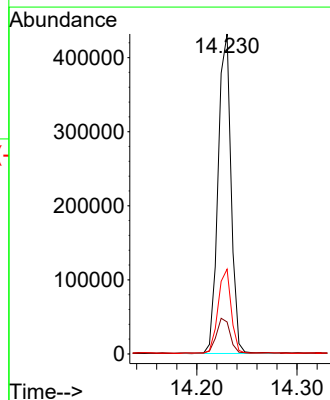
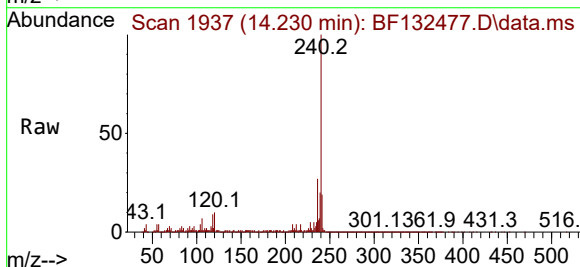
Instrument :
BNA_F
ClientSampleId :
COMP-3RE

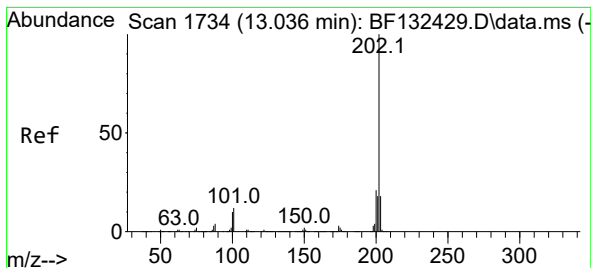
Tgt Ion:202 Resp: 328166
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.3
203 17.9 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.230 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

Tgt Ion:240 Resp: 387023
Ion Ratio Lower Upper
240 100
120 10.0 7.5 11.3
236 26.5 21.0 31.6





#78

Pyrene

Concen: 8.642 ng

RT: 13.024 min Scan# 1732

Delta R.T. 0.000 min

Lab File: BF132477.D

Acq: 20 Feb 2023 13:40

Instrument :

BNA_F

ClientSampleId :

COMP-3RE

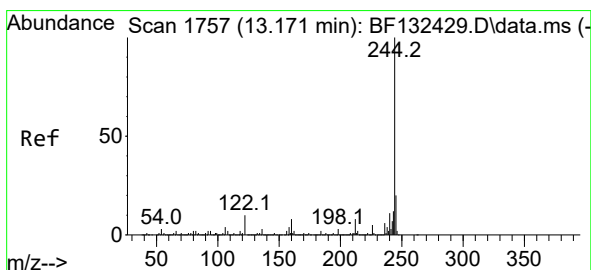
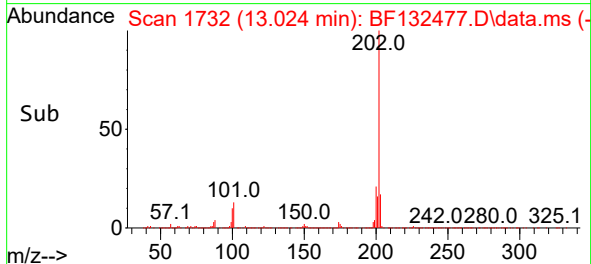
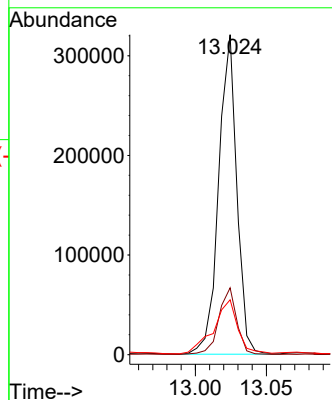
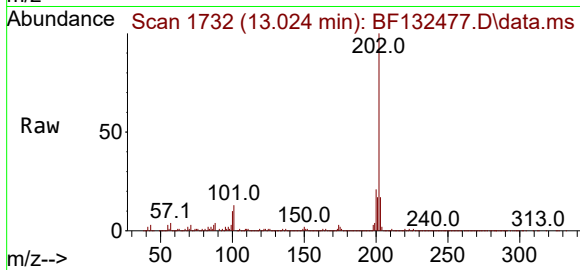
Tgt Ion:202 Resp: 284135

Ion Ratio Lower Upper

202 100

200 20.9 16.6 25.0

203 17.1 14.3 21.5



#79

Terphenyl-d14

Concen: 51.523 ng

RT: 13.160 min Scan# 1755

Delta R.T. 0.000 min

Lab File: BF132477.D

Acq: 20 Feb 2023 13:40

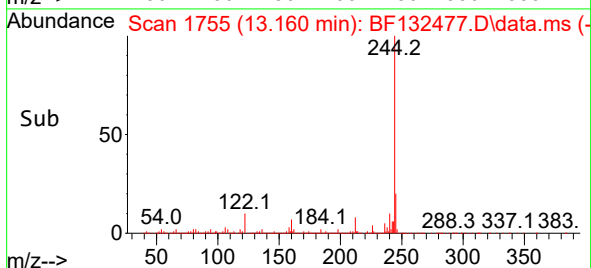
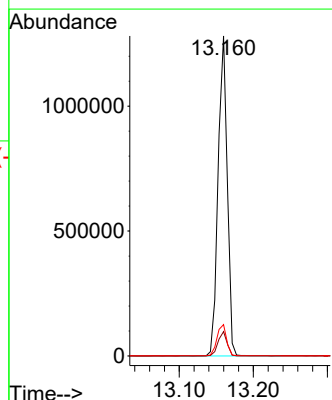
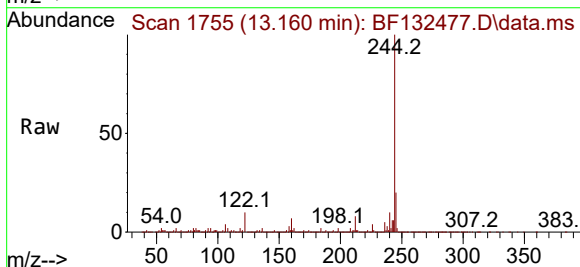
Tgt Ion:244 Resp: 1094914

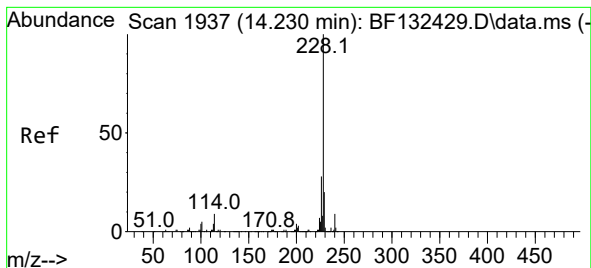
Ion Ratio Lower Upper

244 100

212 7.6 6.7 10.1

122 9.8 7.7 11.5





#81

Benzo(a)anthracene

Concen: 5.289 ng

RT: 14.218 min Scan# 1935

Delta R.T. 0.000 min

Lab File: BF132477.D

Acq: 20 Feb 2023 13:40

Instrument :

BNA_F

ClientSampleId :

COMP-3RE

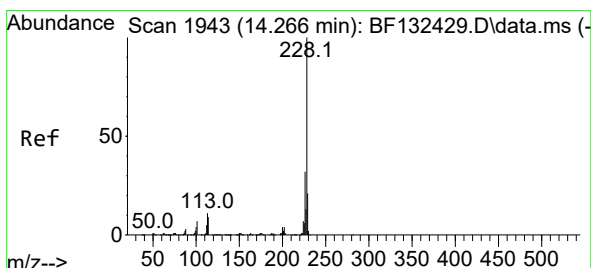
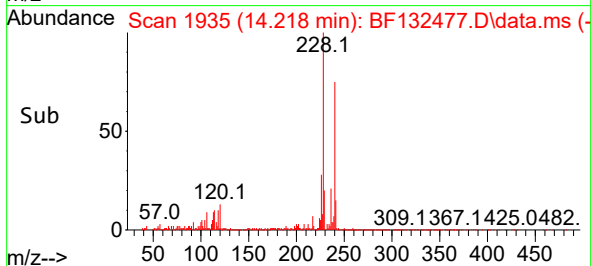
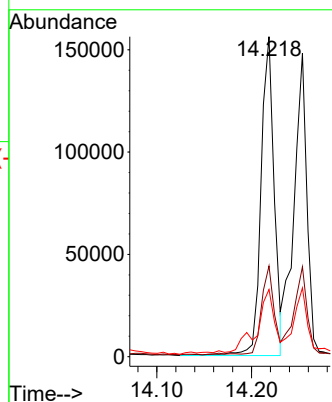
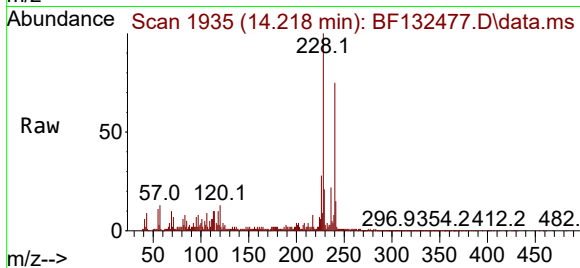
Tgt Ion:228 Resp: 149912

Ion Ratio Lower Upper

228 100

226 28.3 22.6 34.0

229 21.0 16.2 24.4



#83

Chrysene

Concen: 5.207 ng

RT: 14.254 min Scan# 1941

Delta R.T. -0.006 min

Lab File: BF132477.D

Acq: 20 Feb 2023 13:40

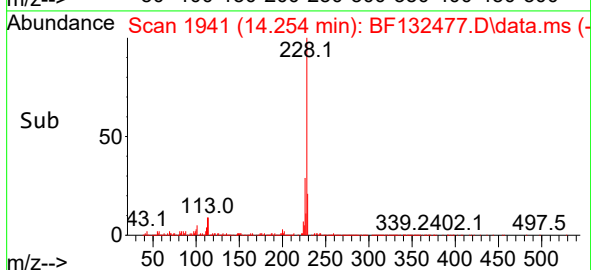
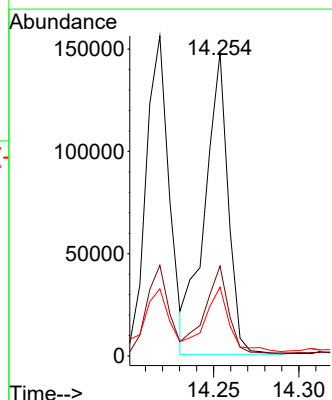
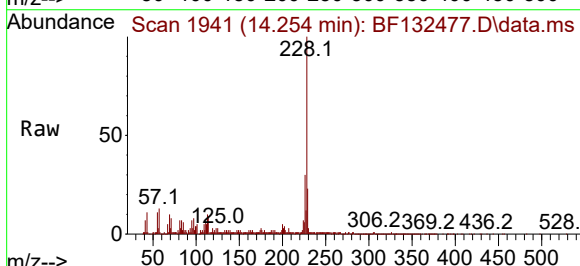
Tgt Ion:228 Resp: 141019

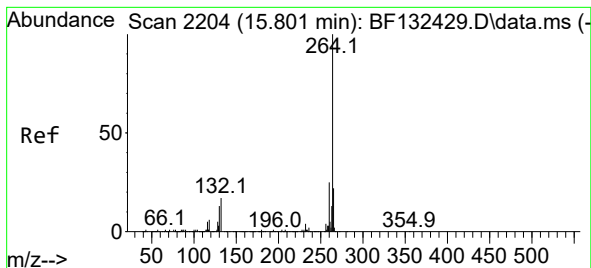
Ion Ratio Lower Upper

228 100

226 29.7 25.4 38.2

229 22.7 16.6 25.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.795 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF132477.D

Acq: 20 Feb 2023 13:40

Instrument :

BNA_F

ClientSampleId :

COMP-3RE

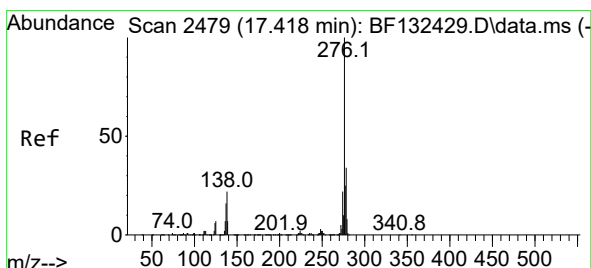
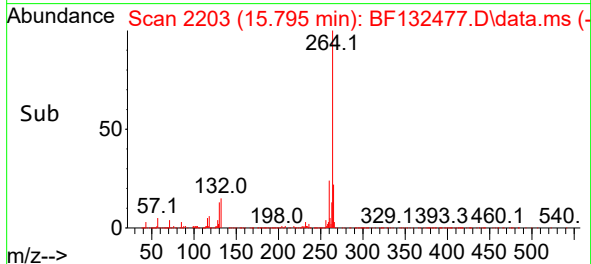
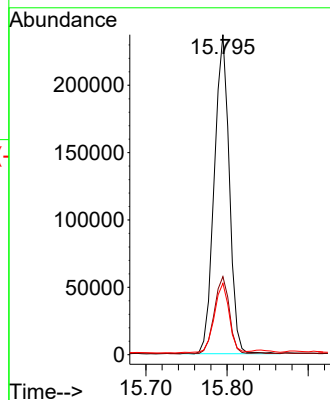
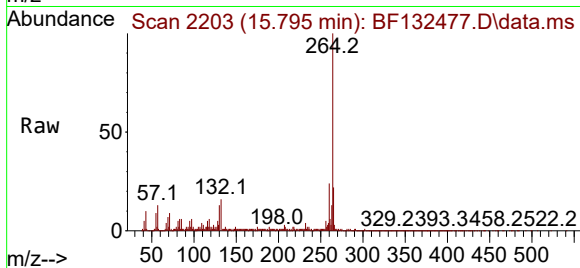
Tgt Ion:264 Resp: 304474

Ion Ratio Lower Upper

264 100

260 24.4 20.0 30.0

265 22.3 17.2 25.8



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.140 ng

RT: 17.406 min Scan# 2477

Delta R.T. 0.006 min

Lab File: BF132477.D

Acq: 20 Feb 2023 13:40

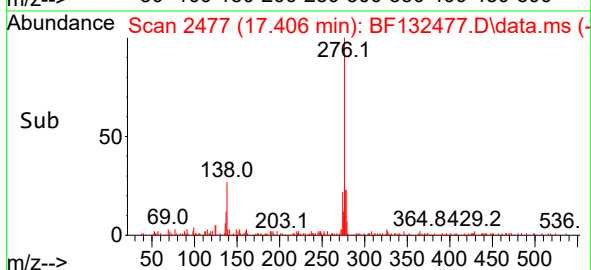
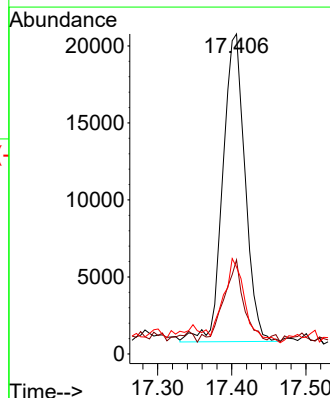
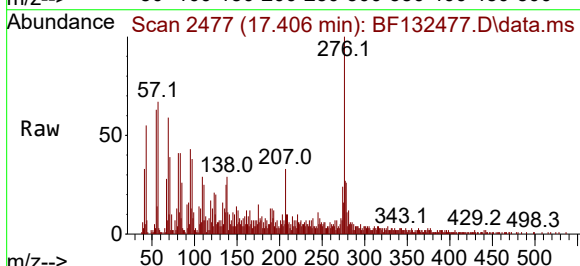
Tgt Ion:276 Resp: 41643

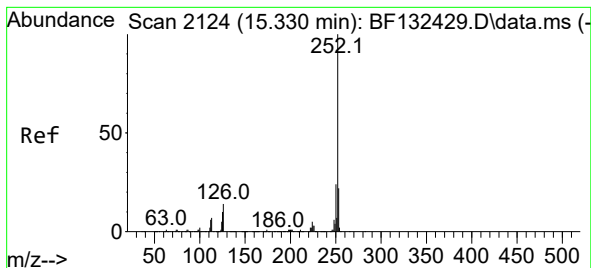
Ion Ratio Lower Upper

276 100

138 24.3 20.2 30.4

277 26.6 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 9.014 ng

RT: 15.324 min Scan# 2124

Delta R.T. 0.006 min

Lab File: BF132477.D

Acq: 20 Feb 2023 13:40

Instrument :

BNA_F

ClientSampleId :

COMP-3RE

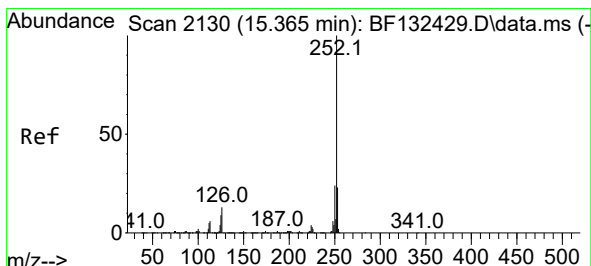
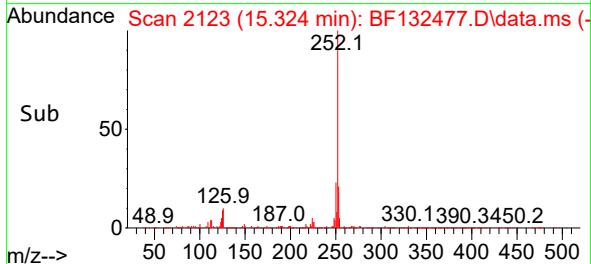
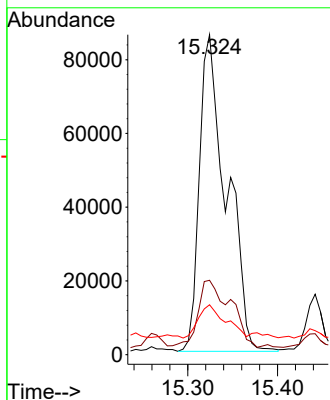
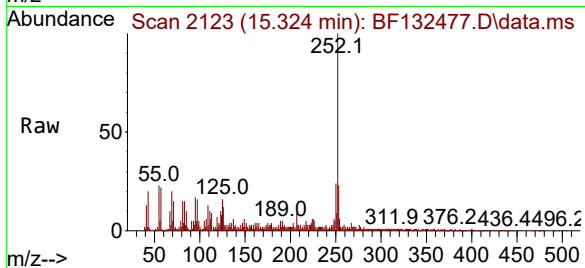
Tgt Ion:252 Resp: 180485

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

125 15.6 7.6 11.4#



#89

Benzo(k)fluoranthene

Concen: 9.008 ng

RT: 15.324 min Scan# 2123

Delta R.T. -0.029 min

Lab File: BF132477.D

Acq: 20 Feb 2023 13:40

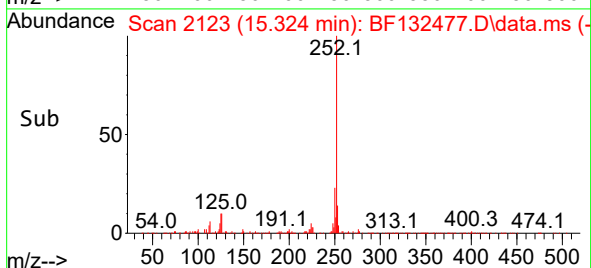
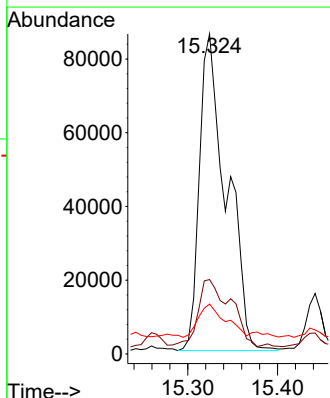
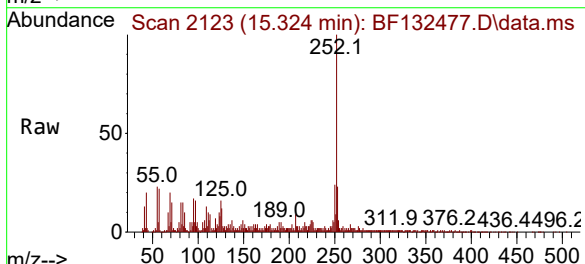
Tgt Ion:252 Resp: 180485

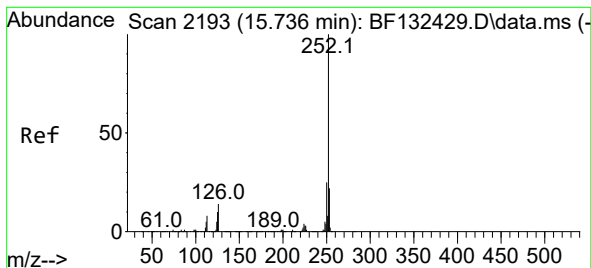
Ion Ratio Lower Upper

252 100

253 23.3 18.2 27.2

125 15.6 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 4.540 ng

RT: 15.724 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF132477.D

Acq: 20 Feb 2023 13:40

Instrument :

BNA_F

ClientSampleId :

COMP-3RE

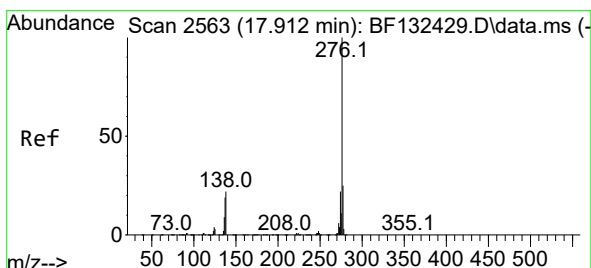
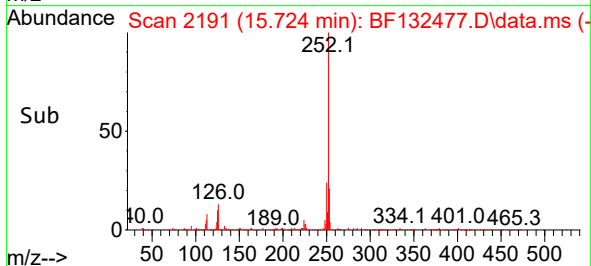
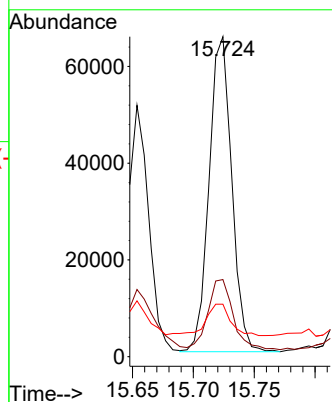
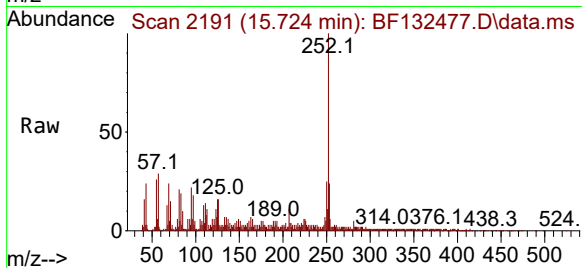
Tgt Ion:252 Resp: 84476

Ion Ratio Lower Upper

252 100

253 24.1 17.6 26.4

125 16.4 8.2 12.4#



#92

Benzo(g,h,i)perylene

Concen: 2.479 ng

RT: 17.895 min Scan# 2560

Delta R.T. 0.000 min

Lab File: BF132477.D

Acq: 20 Feb 2023 13:40

Tgt Ion:276 Resp: 40806

Ion Ratio Lower Upper

276 100

277 25.1 19.6 29.4

138 23.1 17.7 26.5

