

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
 Data File : BF132487.D
 Acq On : 20 Feb 2023 19:39
 Operator : CG\JU
 Sample : 01608-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-02172023

Quant Time: Feb 21 00:05:12 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)

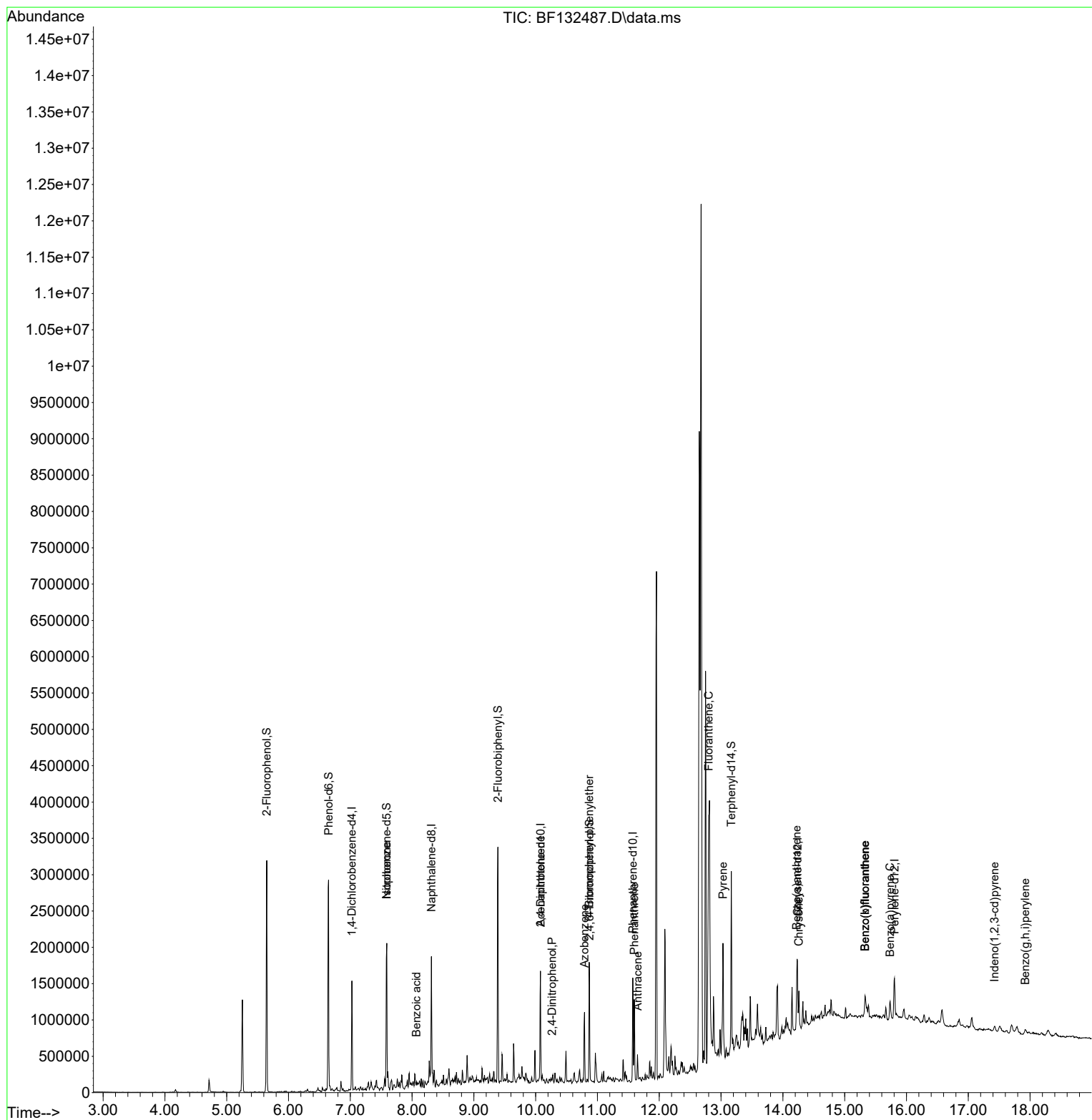
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.025	152	194312	20.000	ng	0.00
21) Naphthalene-d8	8.313	136	655005	20.000	ng	0.00
39) Acenaphthene-d10	10.078	164	285489	20.000	ng	0.00
64) Phenanthrene-d10	11.572	188	494540	20.000	ng	0.00
76) Chrysene-d12	14.236	240	274987	20.000	ng	0.00
86) Perylene-d12	15.807	264	228800	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.649	112	823153	67.880	ng	0.00
7) Phenol-d6	6.649	99	1029616	65.024	ng	0.00
23) Nitrobenzene-d5	7.590	82	616708	45.240	ng	0.00
42) 2,4,6-Tribromophenol	10.872	330	180174	63.254	ng	0.00
45) 2-Fluorobiphenyl	9.389	172	925415	50.059	ng	0.00
79) Terphenyl-d14	13.166	244	829834	54.959	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.590	82	616583	23.018	ng	# 68
32) Benzoic acid	8.072	122	285	7.182	ng	# 1
54) 2,4-Dinitrophenol	10.266	184	55	5.146	ng	# 1
57) 2,4-Dinitrotoluene	10.078	165	38403	6.381	ng	# 21
63) Azobenzene	10.789	77	165496	7.237	ng	# 1
67) 4-Bromophenyl-phenylether	10.866	248	11990	2.212	ng	# 1
71) Phenanthrene	11.595	178	385975	15.154	ng	99
72) Anthracene	11.648	178	126147	4.818	ng	100
75) Fluoranthene	12.801	202	600342	21.135	ng	98
78) Pyrene	13.030	202	627865	26.878	ng	100
81) Benzo(a)anthracene	14.224	228	235006	11.668	ng	97
83) Chrysene	14.260	228	196287	10.200	ng	97
87) Indeno(1,2,3-cd)pyrene	17.424	276	58467	3.998	ng	96
88) Benzo(b)fluoranthene	15.330	252	227680	15.132	ng	# 91
89) Benzo(k)fluoranthene	15.330	252	227680	15.121	ng	# 91
90) Benzo(a)pyrene	15.736	252	132554	9.480	ng	# 94
92) Benzo(g,h,i)perylene	17.924	276	57847	4.676	ng	# 89

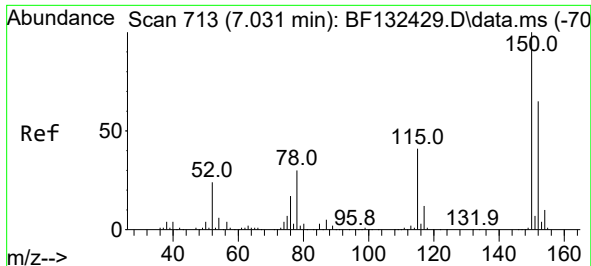
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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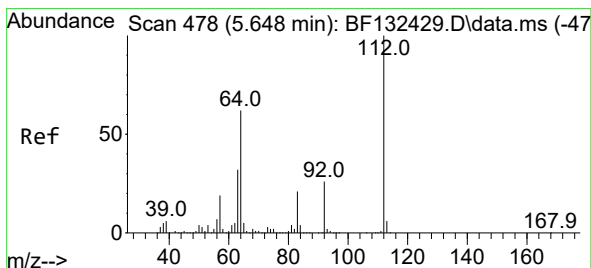
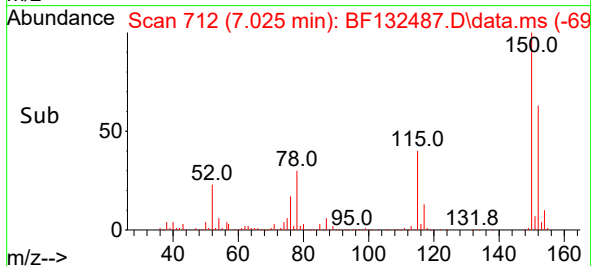
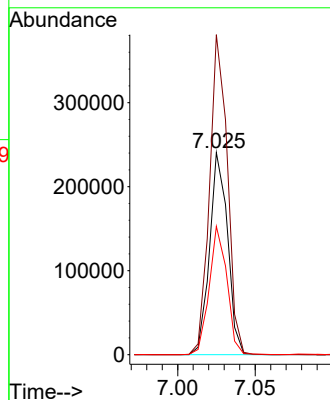
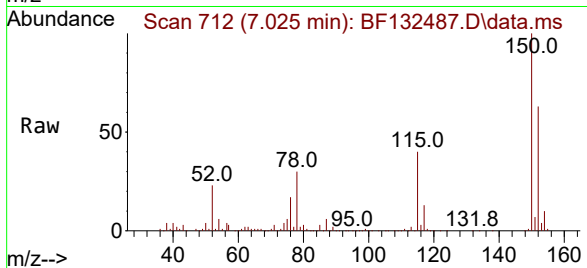




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.025 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

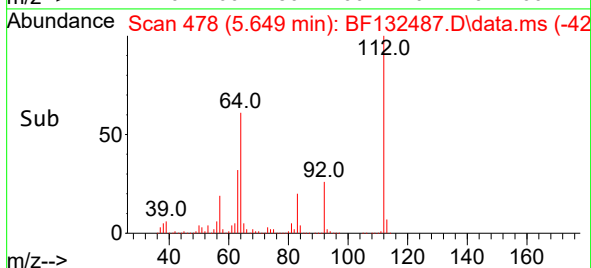
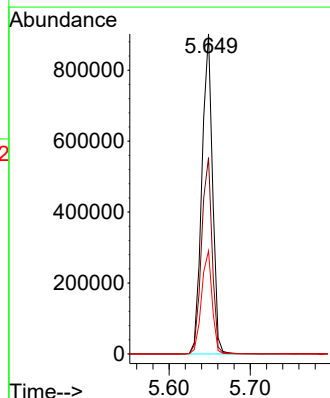
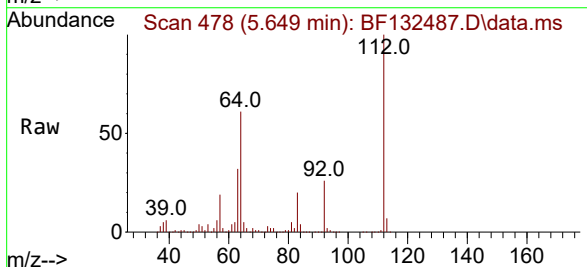
Instrument :
BNA_F
ClientSampleId :
TR-04-02172023

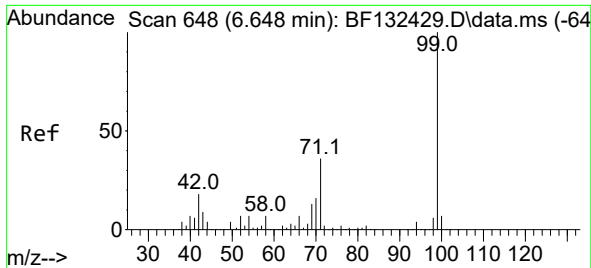
Tgt Ion:152 Resp: 194312
Ion Ratio Lower Upper
152 100
150 158.3 123.8 185.8
115 63.5 50.4 75.6



#5
2-Fluorophenol
Concen: 67.880 ng
RT: 5.649 min Scan# 478
Delta R.T. 0.006 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

Tgt Ion:112 Resp: 823153
Ion Ratio Lower Upper
112 100
64 61.3 49.7 74.5
63 32.2 25.8 38.8

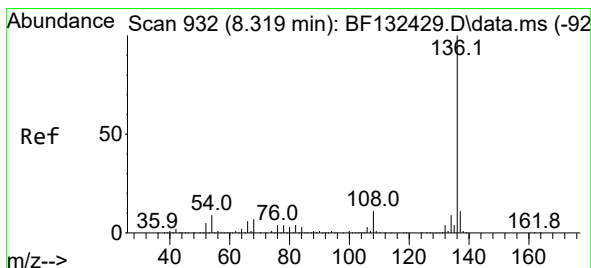
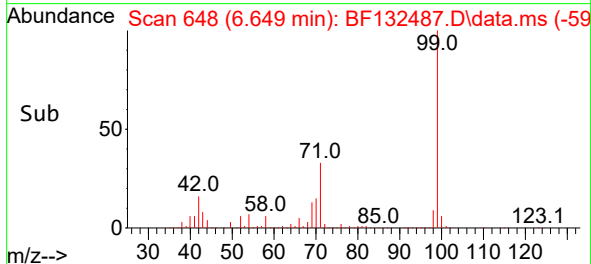
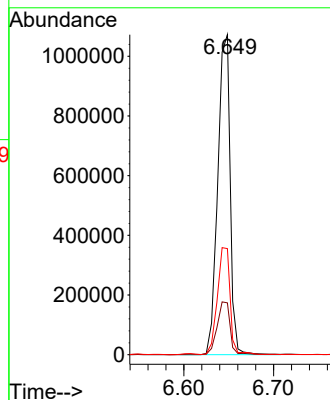
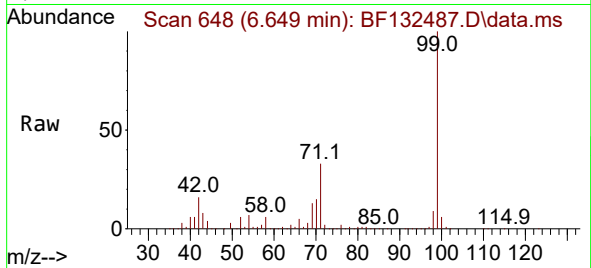




#7
Phenol-d6
Concen: 65.024 ng
RT: 6.649 min Scan# 64
Delta R.T. 0.000 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

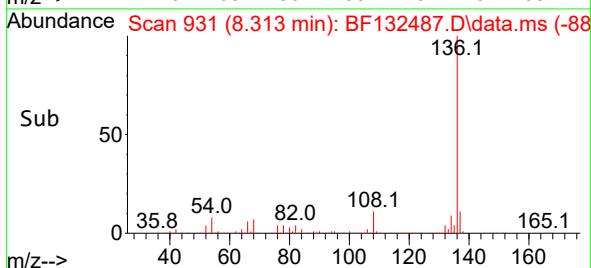
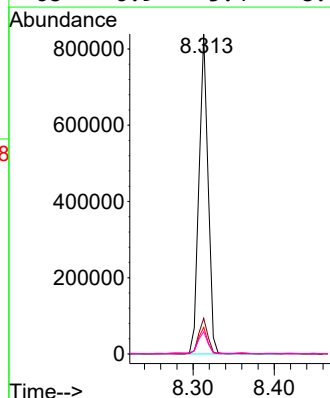
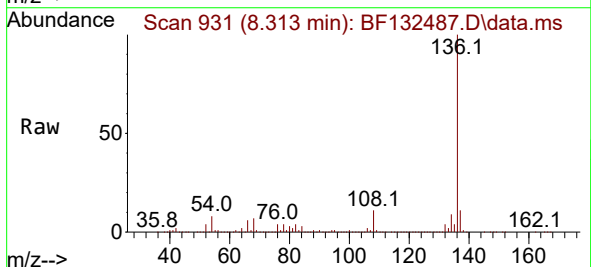
Instrument :
BNA_F
ClientSampleId :
TR-04-02172023

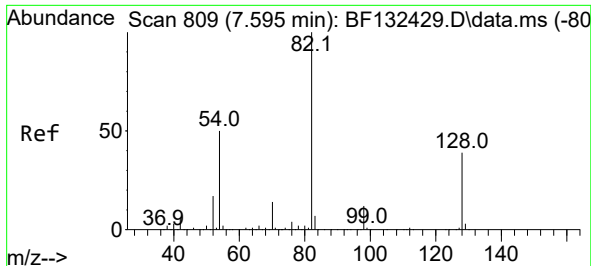
Tgt Ion: 99 Resp: 1029616
Ion Ratio Lower Upper
99 100
42 16.2 14.6 21.8
71 33.2 28.7 43.1



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.313 min Scan# 931
Delta R.T. 0.000 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

Tgt Ion:136 Resp: 655005
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.3 6.9 10.3
68 6.9 5.4 8.0





#23

Nitrobenzene-d5

Concen: 45.240 ng

RT: 7.590 min Scan# 808

Delta R.T. -0.006 min

Lab File: BF132487.D

Acq: 20 Feb 2023 19:39

Instrument :

BNA_F

ClientSampleId :

TR-04-02172023

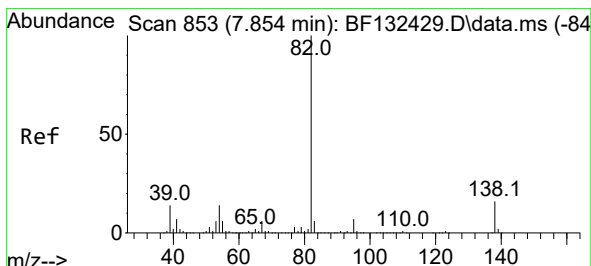
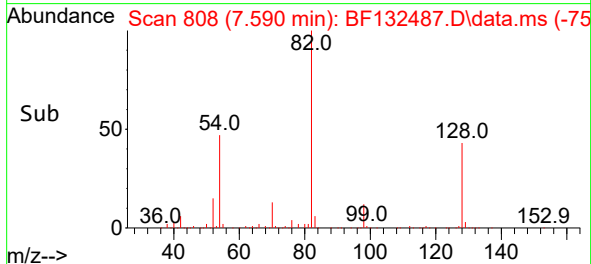
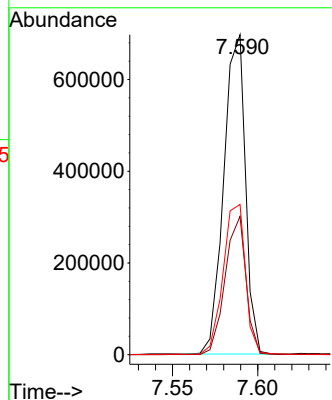
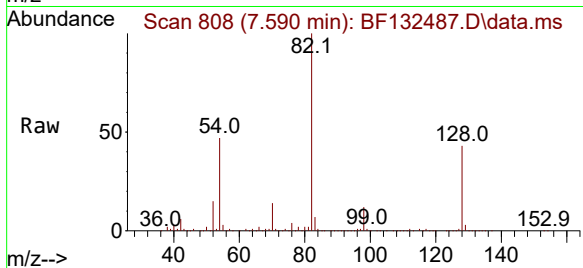
Tgt Ion: 82 Resp: 616708

Ion Ratio Lower Upper

82 100

128 43.3 30.8 46.2

54 46.9 40.2 60.4



#25

Isophorone

Concen: 23.018 ng

RT: 7.590 min Scan# 808

Delta R.T. -0.259 min

Lab File: BF132487.D

Acq: 20 Feb 2023 19:39

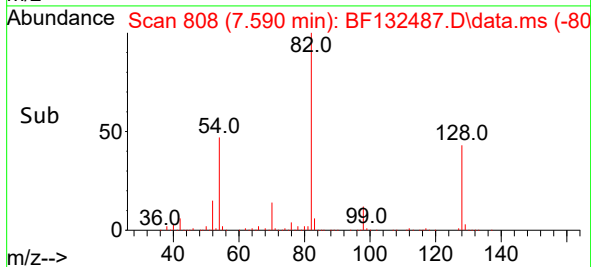
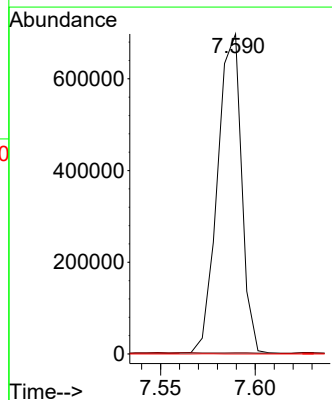
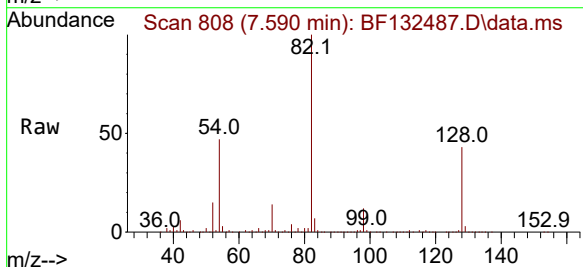
Tgt Ion: 82 Resp: 616583

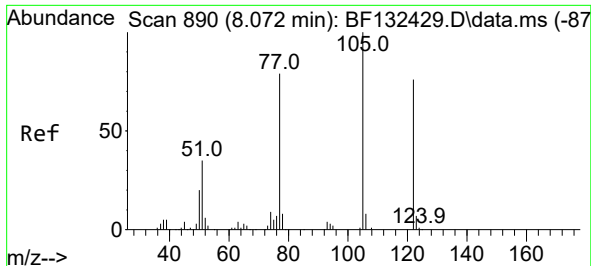
Ion Ratio Lower Upper

82 100

95 0.4 5.5 8.3#

138 0.0 12.7 19.1#

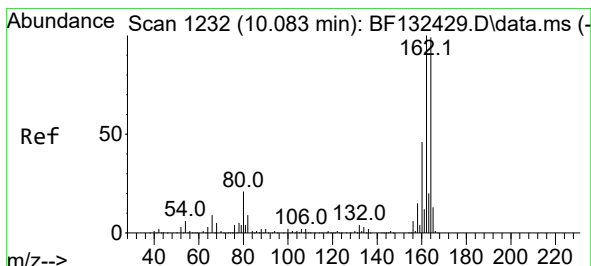
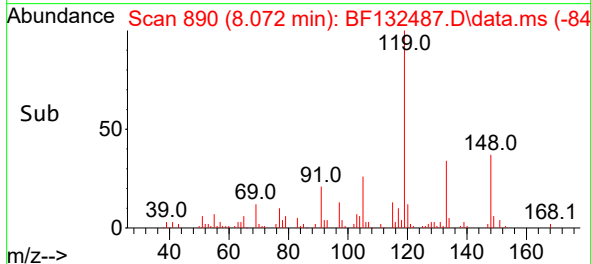
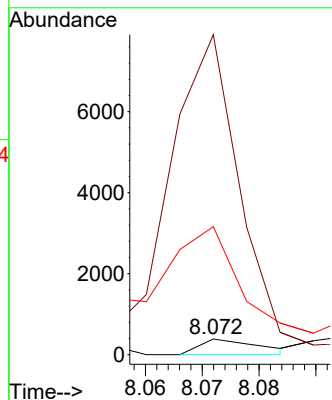
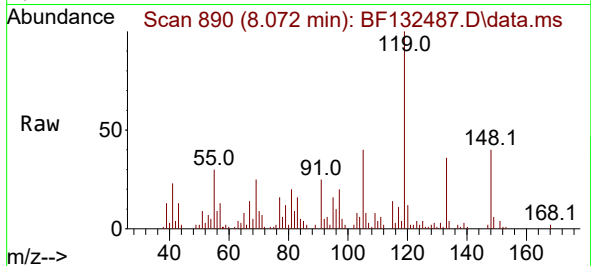




#32
Benzoic acid
Concen: 7.182 ng
RT: 8.072 min Scan# 890
Delta R.T. -0.006 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

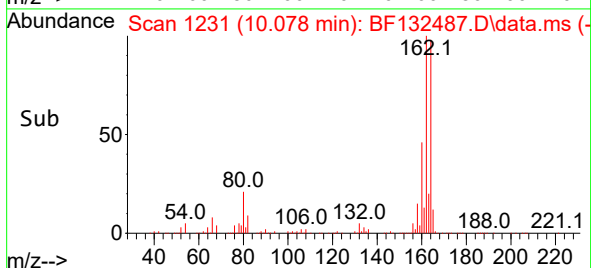
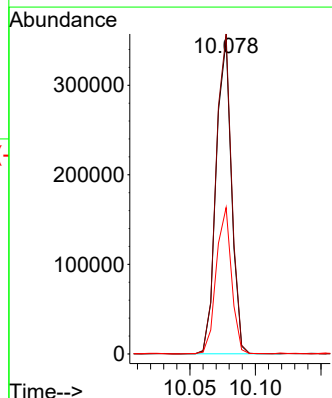
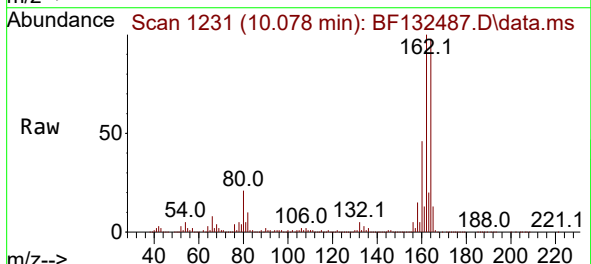
Instrument :
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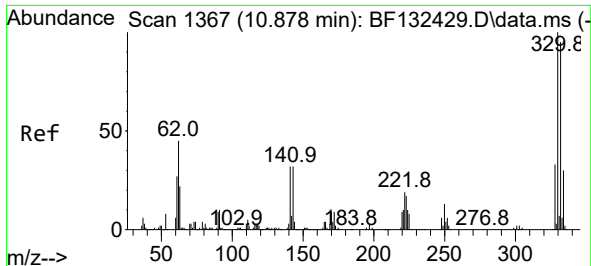
Tgt Ion:122 Resp: 285
Ion Ratio Lower Upper
122 100
105 2041.6 109.7 149.7#
77 816.3 83.8 123.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.078 min Scan# 1231
Delta R.T. 0.000 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

Tgt Ion:164 Resp: 285489
Ion Ratio Lower Upper
164 100
162 101.9 80.8 121.2
160 46.6 37.2 55.8

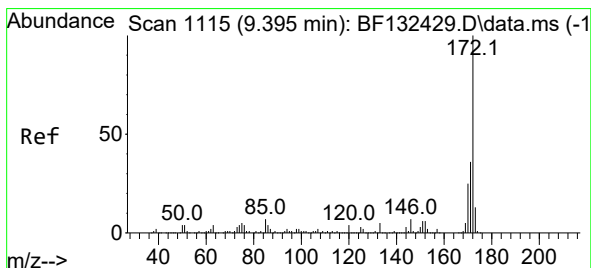
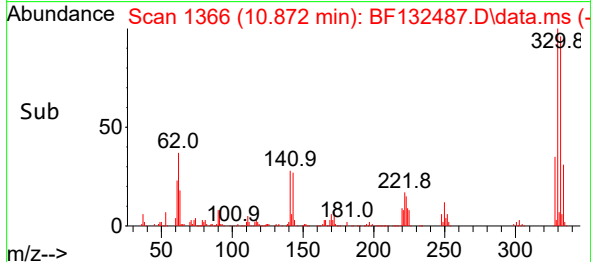
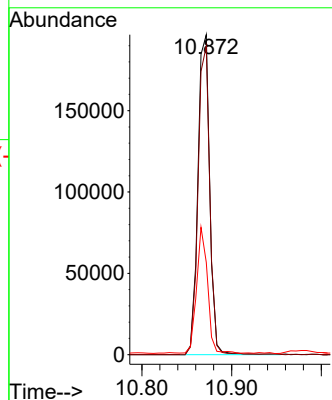
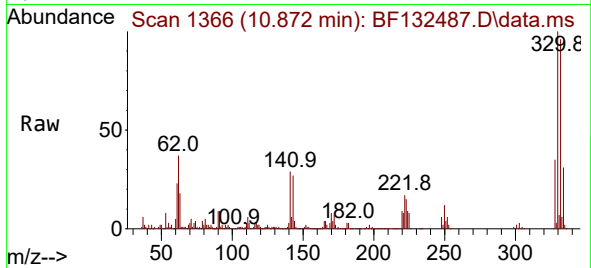




#42
2,4,6-Tribromophenol
Concen: 63.254 ng
RT: 10.872 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

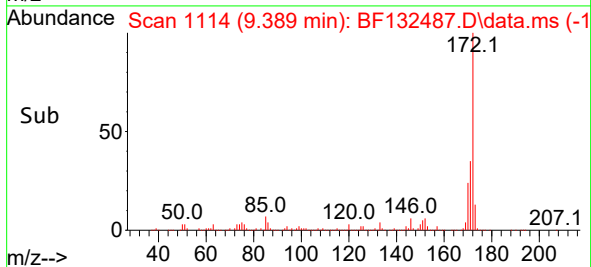
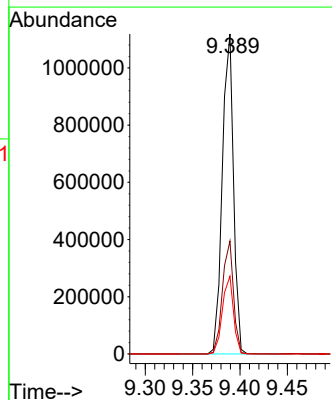
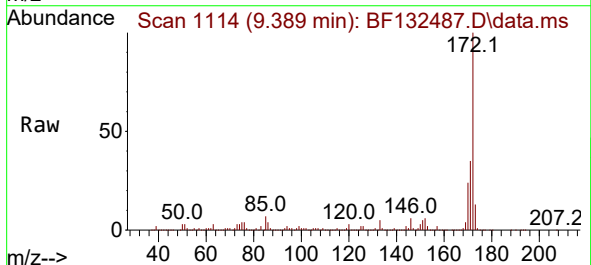
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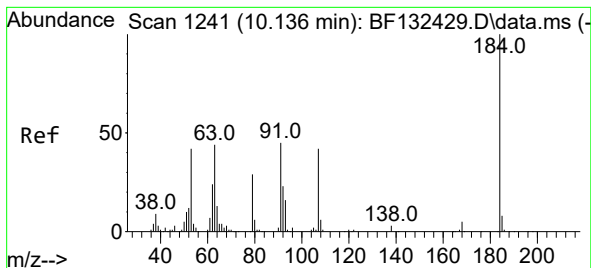
Tgt Ion:330 Resp: 180174
Ion Ratio Lower Upper
330 100
332 95.5 76.3 114.5
141 36.1 30.3 45.5



#45
2-Fluorobiphenyl
Concen: 50.059 ng
RT: 9.389 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

Tgt Ion:172 Resp: 925415
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 24.3 19.9 29.9

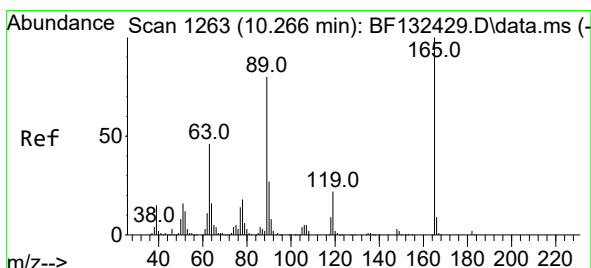
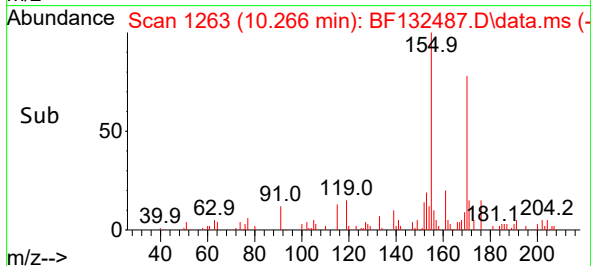
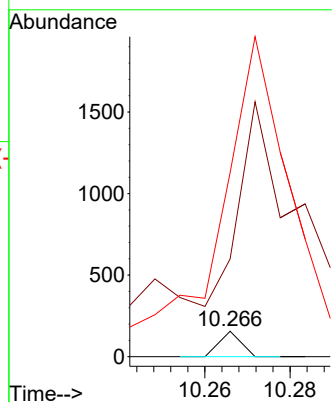
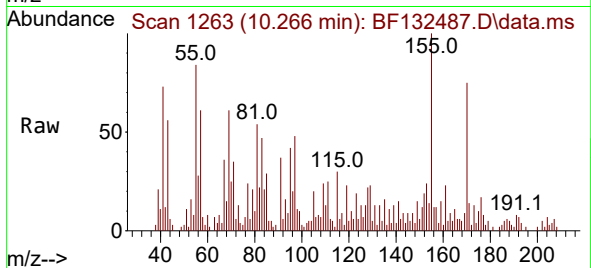




#54
2,4-Dinitrophenol
Concen: 5.146 ng
RT: 10.266 min Scan# 11
Delta R.T. 0.135 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

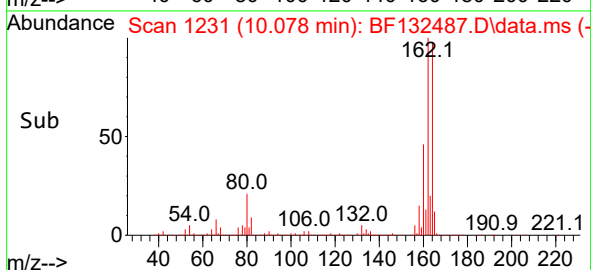
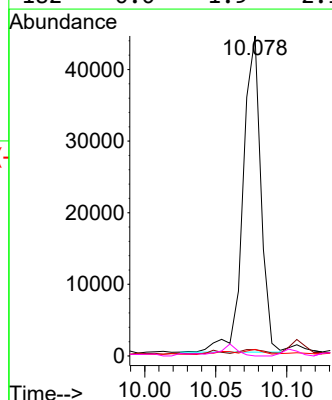
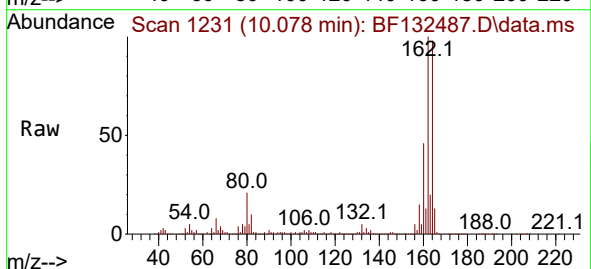
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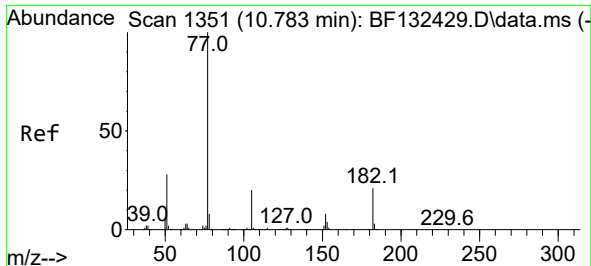
Tgt Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 384.0 47.0 70.6#
154 723.1 49.0 73.6#



#57
2,4-Dinitrotoluene
Concen: 6.381 ng
RT: 10.078 min Scan# 1231
Delta R.T. -0.182 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

Tgt Ion:165 Resp: 38403
Ion Ratio Lower Upper
165 100
63 1.9 37.1 55.7#
89 2.0 63.6 95.4#
182 0.0 1.9 2.9#

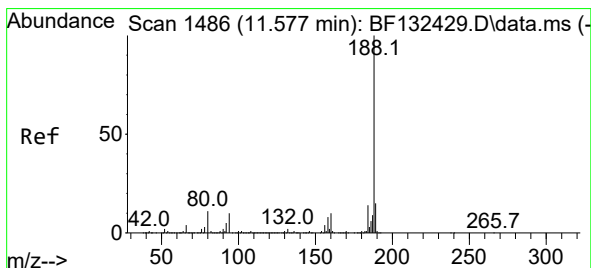
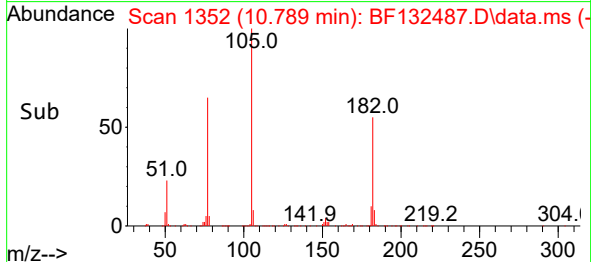
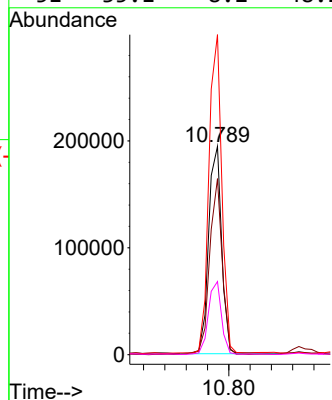
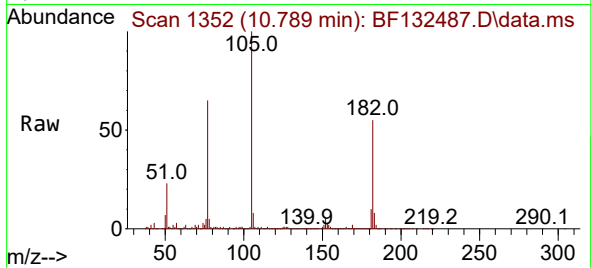




#63
Azobenzene
Concen: 7.237 ng
RT: 10.789 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

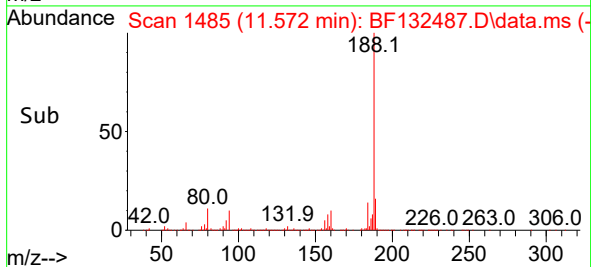
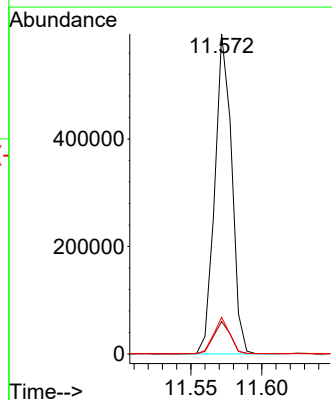
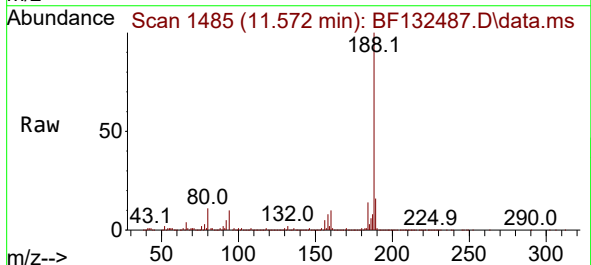
Instrument :
BNA_F
ClientSampleId :
TR-04-02172023

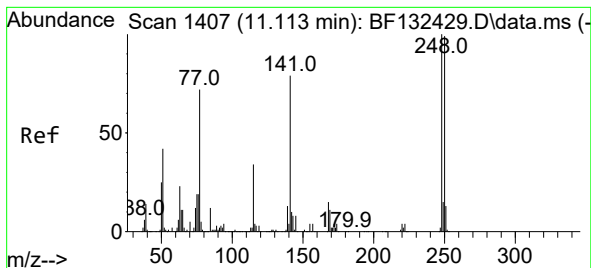
Tgt Ion: 77 Resp: 165496
Ion Ratio Lower Upper
77 100
182 84.5 1.4 41.4#
105 153.6 0.1 40.1#
51 35.1 8.2 48.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.572 min Scan# 1485
Delta R.T. 0.000 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

Tgt Ion:188 Resp: 494540
Ion Ratio Lower Upper
188 100
94 10.1 8.0 12.0
80 11.5 8.6 12.8





#67

4-Bromophenyl-phenylether

Concen: 2.212 ng

RT: 10.866 min Scan# 11

Delta R.T. -0.241 min

Lab File: BF132487.D

Acq: 20 Feb 2023 19:39

Instrument :

BNA_F

ClientSampleId :

TR-04-02172023

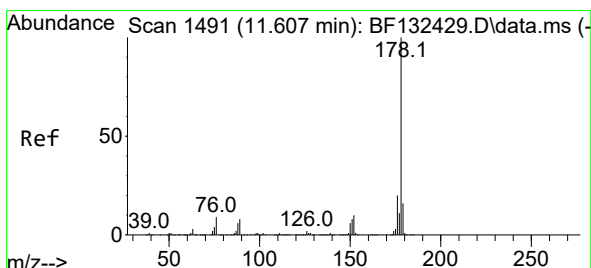
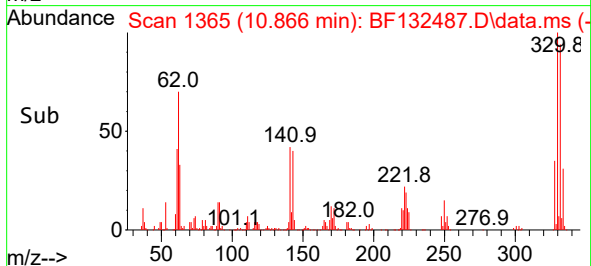
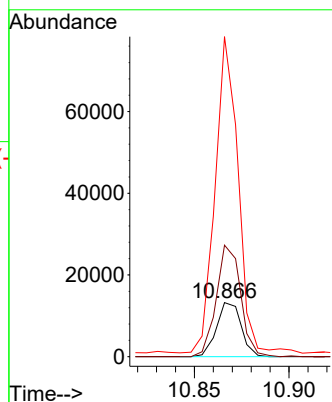
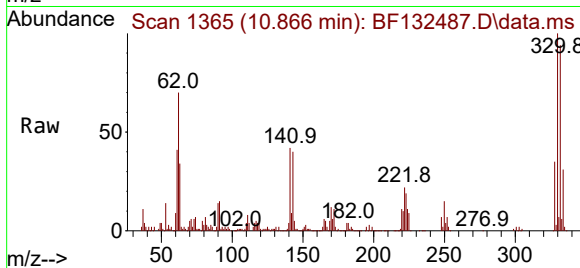
Tgt Ion:248 Resp: 11990

Ion Ratio Lower Upper

248 100

250 206.1 79.0 118.4#

141 590.9 63.3 94.9#



#71

Phenanthrene

Concen: 15.154 ng

RT: 11.595 min Scan# 1489

Delta R.T. 0.000 min

Lab File: BF132487.D

Acq: 20 Feb 2023 19:39

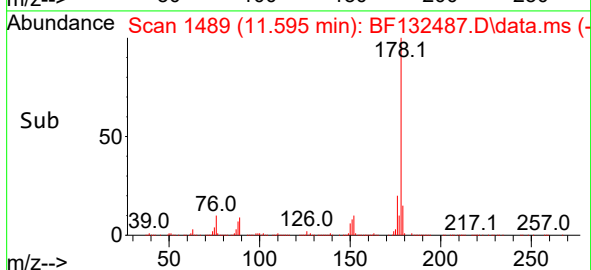
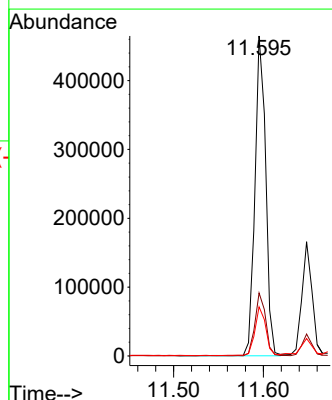
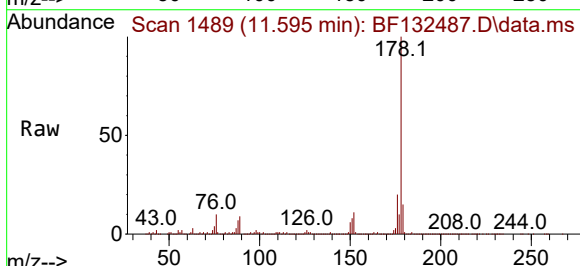
Tgt Ion:178 Resp: 385975

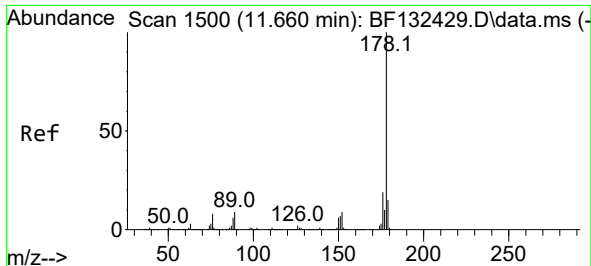
Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.2

179 15.4 12.6 18.8

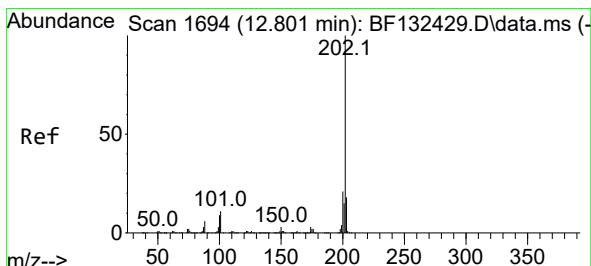
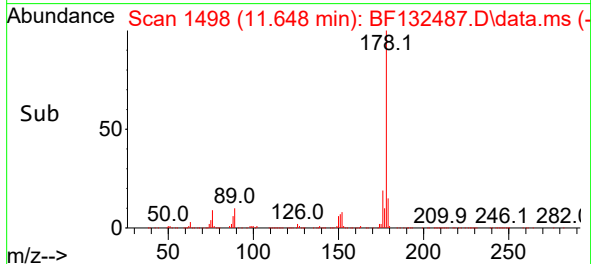
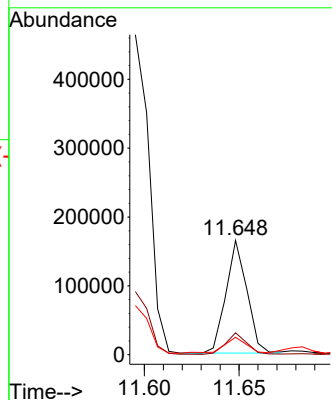
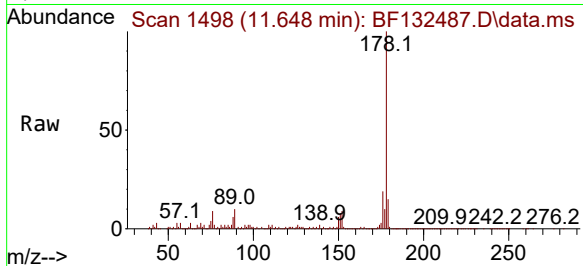




#72
 Anthracene
 Concen: 4.818 ng
 RT: 11.648 min Scan# 14
 Delta R.T. 0.000 min
 Lab File: BF132487.D
 Acq: 20 Feb 2023 19:39

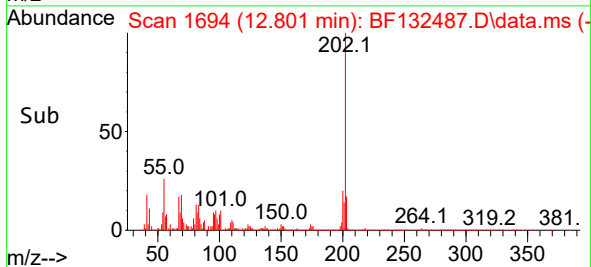
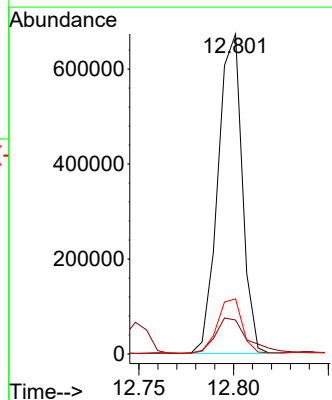
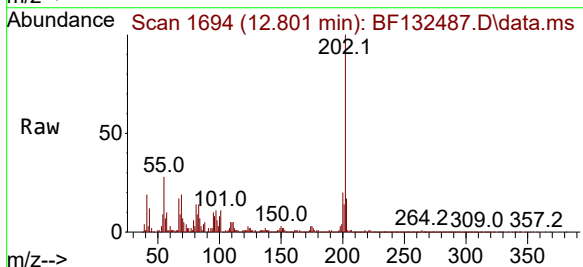
Instrument :
 BNA_F
 ClientSampleId :
 TR-04-02172023

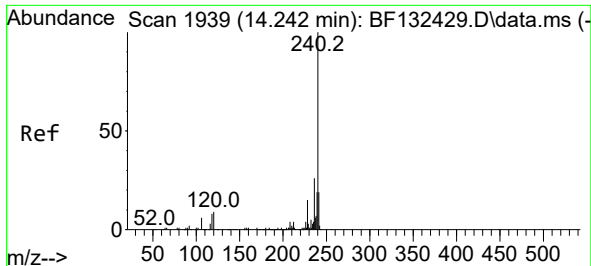
Tgt Ion:178 Resp: 126147
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.2
 179 15.3 12.4 18.6



#75
 Fluoranthene
 Concen: 21.135 ng
 RT: 12.801 min Scan# 1694
 Delta R.T. 0.006 min
 Lab File: BF132487.D
 Acq: 20 Feb 2023 19:39

Tgt Ion:202 Resp: 600342
 Ion Ratio Lower Upper
 202 100
 101 10.6 0.0 31.3
 203 17.2 0.0 37.8

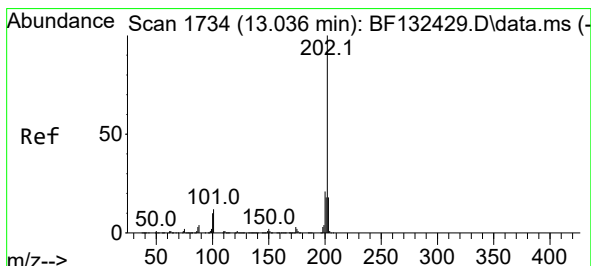
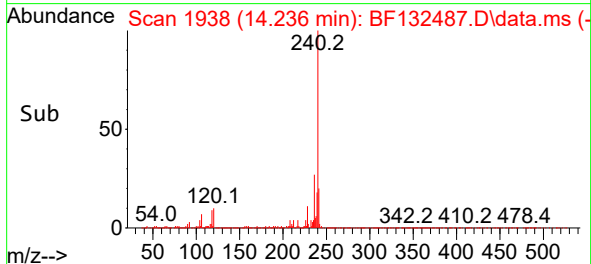
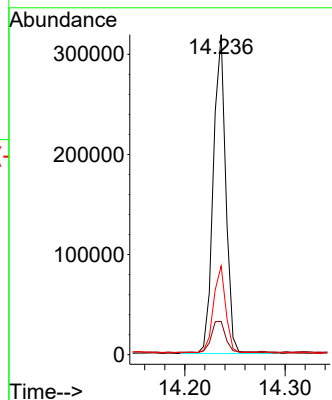
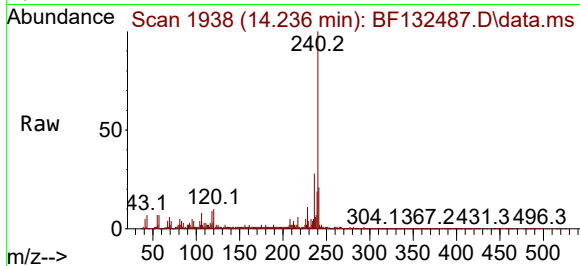




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.236 min Scan# 1938
Delta R.T. 0.006 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

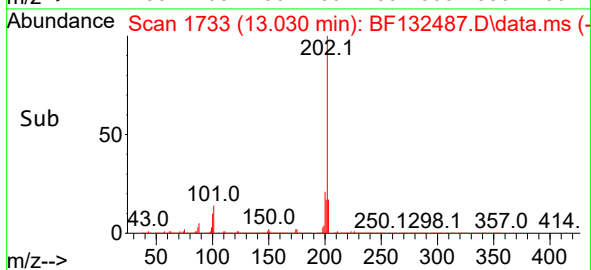
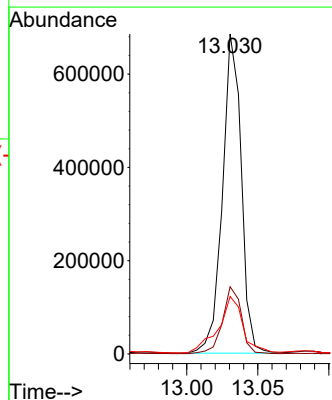
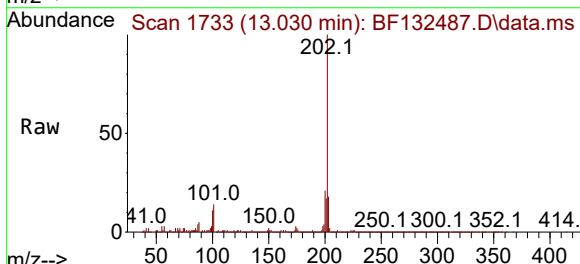
Instrument :
BNA_F
ClientSampleId :
TR-04-02172023

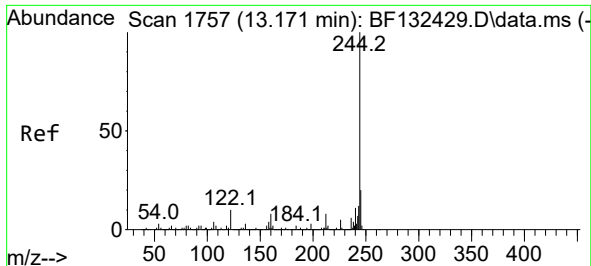
Tgt Ion:240 Resp: 274987
Ion Ratio Lower Upper
240 100
120 10.4 7.5 11.3
236 27.7 21.0 31.6



#78
Pyrene
Concen: 26.878 ng
RT: 13.030 min Scan# 1733
Delta R.T. 0.006 min
Lab File: BF132487.D
Acq: 20 Feb 2023 19:39

Tgt Ion:202 Resp: 627865
Ion Ratio Lower Upper
202 100
200 21.0 16.6 25.0
203 18.0 14.3 21.5

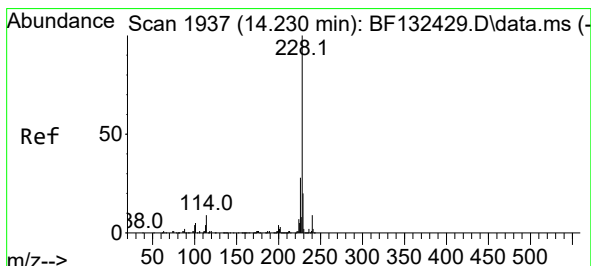
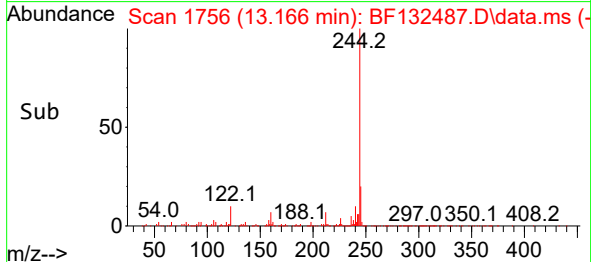
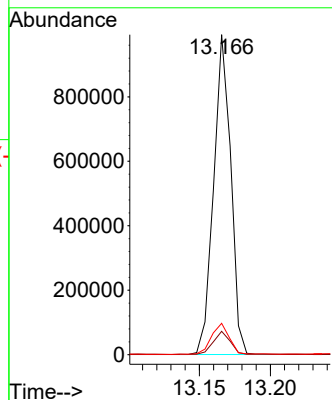
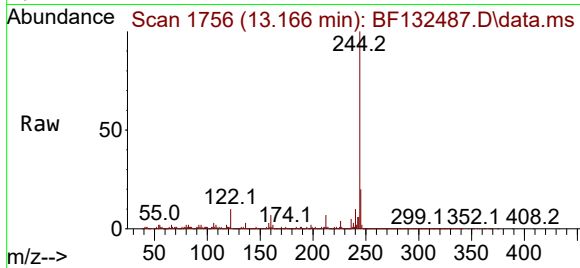




#79
 Terphenyl-d14
 Concen: 54.959 ng
 RT: 13.166 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF132487.D
 Acq: 20 Feb 2023 19:39

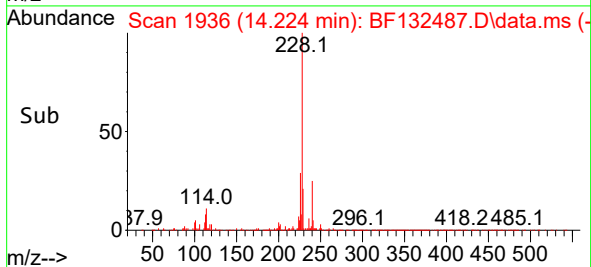
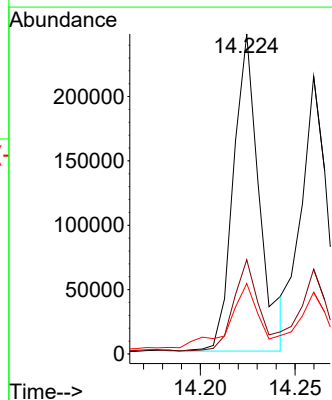
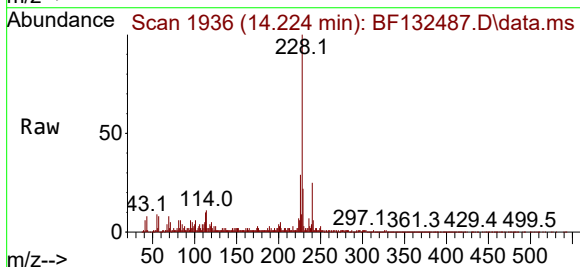
Instrument :
 BNA_F
 ClientSampleId :
 TR-04-02172023

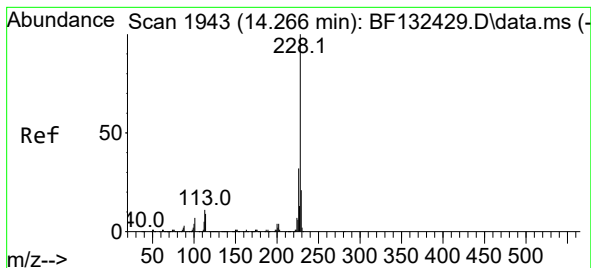
Tgt Ion:244 Resp: 829834
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.7 10.1
 122 9.8 7.7 11.5



#81
 Benzo(a)anthracene
 Concen: 11.668 ng
 RT: 14.224 min Scan# 1936
 Delta R.T. 0.006 min
 Lab File: BF132487.D
 Acq: 20 Feb 2023 19:39

Tgt Ion:228 Resp: 235006
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.6 34.0
 229 22.0 16.2 24.4





#83

Chrysene

Concen: 10.200 ng

RT: 14.260 min Scan# 1943

Delta R.T. 0.000 min

Lab File: BF132487.D

Acq: 20 Feb 2023 19:39

Instrument :

BNA_F

ClientSampleId :

TR-04-02172023

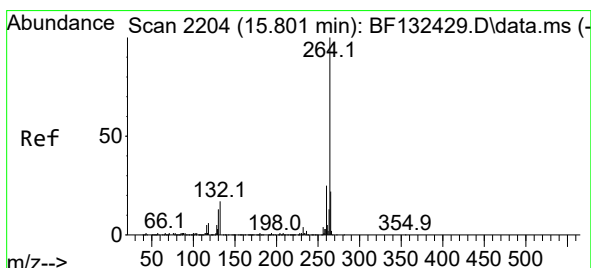
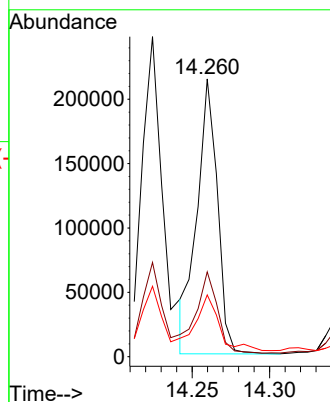
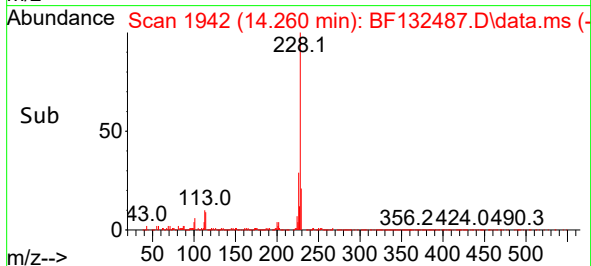
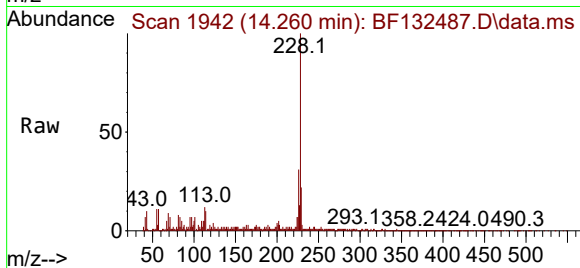
Tgt Ion:228 Resp: 196287

Ion Ratio Lower Upper

228 100

226 30.5 25.4 38.2

229 22.2 16.6 25.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.807 min Scan# 2205

Delta R.T. 0.024 min

Lab File: BF132487.D

Acq: 20 Feb 2023 19:39

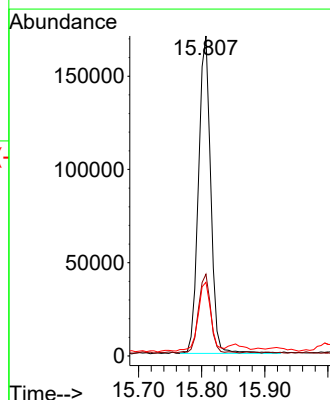
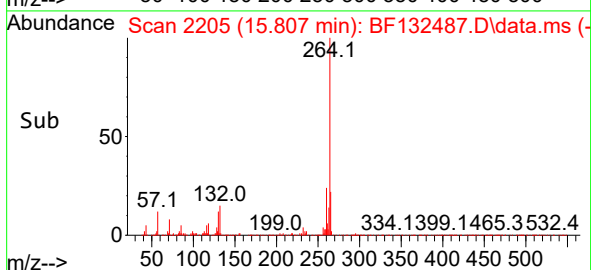
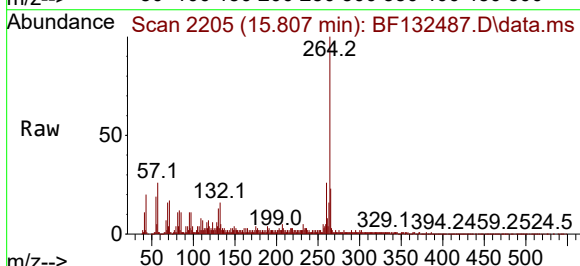
Tgt Ion:264 Resp: 228800

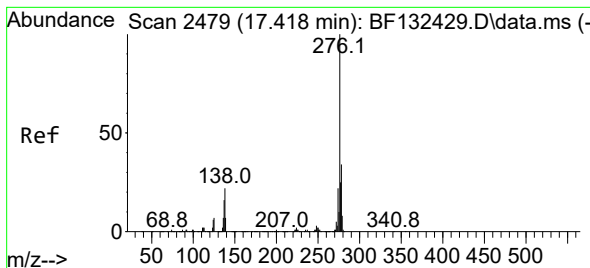
Ion Ratio Lower Upper

264 100

260 25.5 20.0 30.0

265 23.0 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.998 ng

RT: 17.424 min Scan# 2479

Delta R.T. 0.024 min

Lab File: BF132487.D

Acq: 20 Feb 2023 19:39

Instrument :

BNA_F

ClientSampleId :

TR-04-02172023

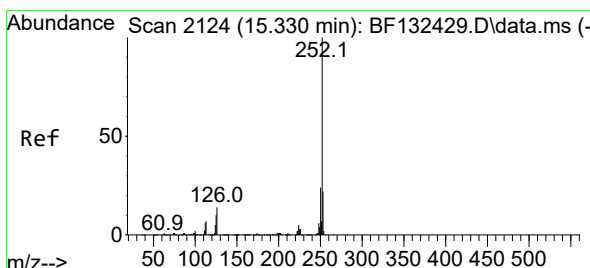
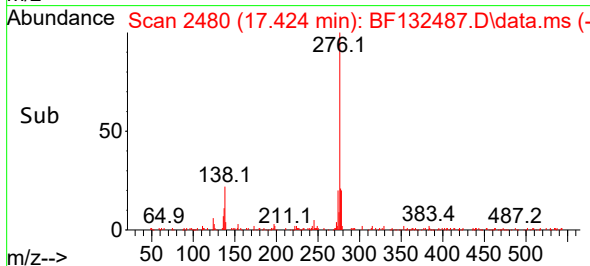
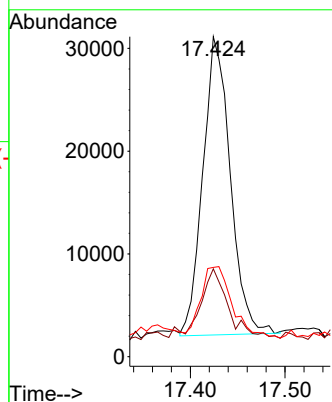
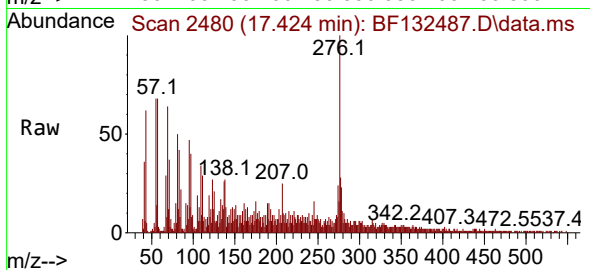
Tgt Ion:276 Resp: 58467

Ion Ratio Lower Upper

276 100

138 23.8 20.2 30.4

277 27.3 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 15.132 ng

RT: 15.330 min Scan# 2124

Delta R.T. 0.012 min

Lab File: BF132487.D

Acq: 20 Feb 2023 19:39

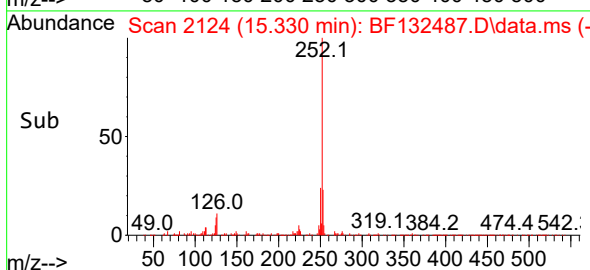
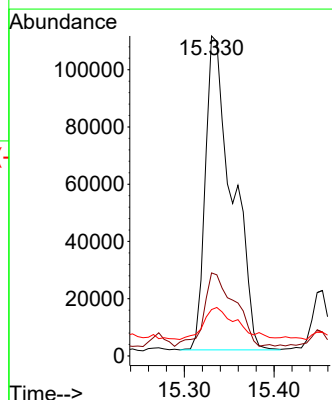
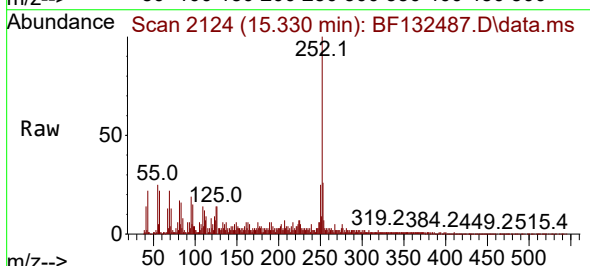
Tgt Ion:252 Resp: 227680

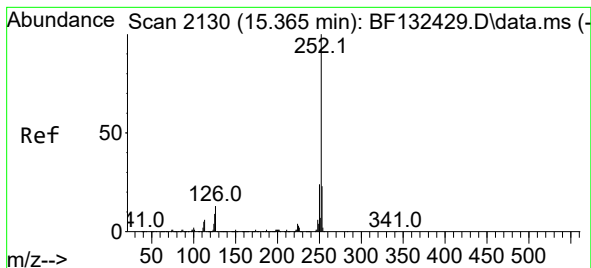
Ion Ratio Lower Upper

252 100

253 26.0 17.8 26.8

125 14.5 7.6 11.4#





#89

Benzo(k)fluoranthene

Concen: 15.121 ng

RT: 15.330 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF132487.D

Acq: 20 Feb 2023 19:39

Instrument :

BNA_F

ClientSampleId :

TR-04-02172023

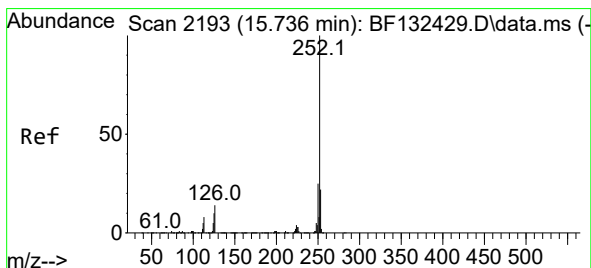
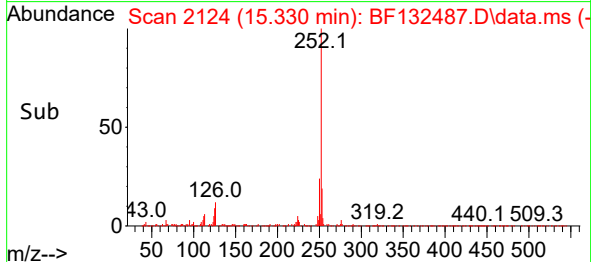
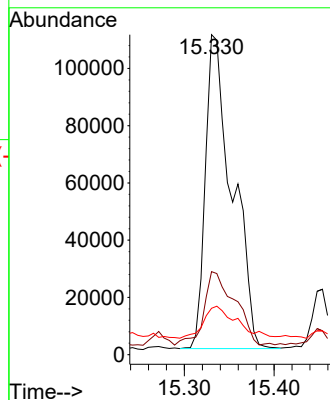
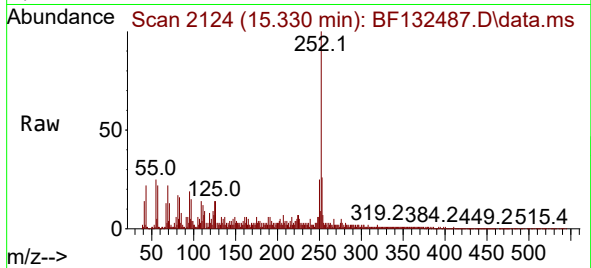
Tgt Ion:252 Resp: 227680

Ion Ratio Lower Upper

252 100

253 26.0 18.2 27.2

125 14.5 7.5 11.3#



#90

Benzo(a)pyrene

Concen: 9.480 ng

RT: 15.736 min Scan# 2193

Delta R.T. 0.018 min

Lab File: BF132487.D

Acq: 20 Feb 2023 19:39

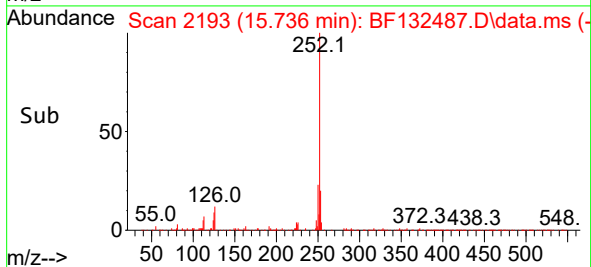
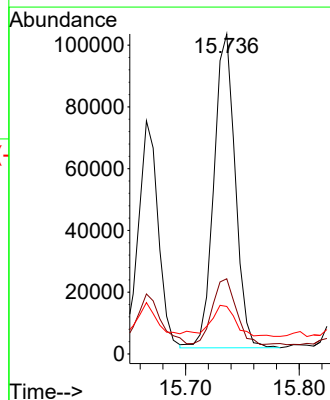
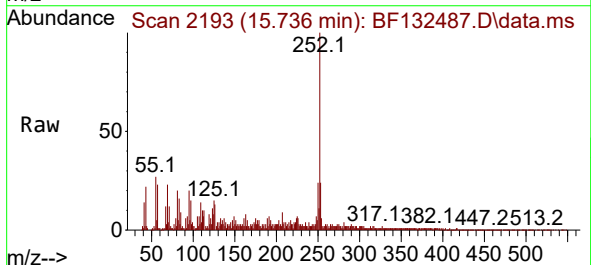
Tgt Ion:252 Resp: 132554

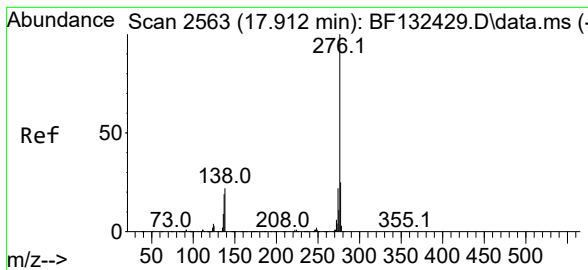
Ion Ratio Lower Upper

252 100

253 23.5 17.6 26.4

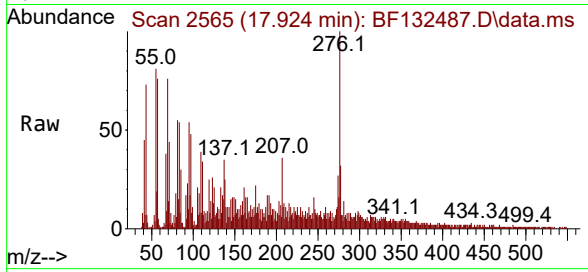
125 14.9 8.2 12.4#





#92
 Benzo(g,h,i)perylene
 Concen: 4.676 ng
 RT: 17.924 min Scan# 21
 Delta R.T. 0.030 min
 Lab File: BF132487.D
 Acq: 20 Feb 2023 19:39

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-02172023



Tgt Ion:	276	Resp:	57847
Ion Ratio	Lower	Upper	
276	100		
277	31.7	19.6	29.4#
138	25.4	17.7	26.5

