

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
 Data File : BF132488.D
 Acq On : 20 Feb 2023 20:11
 Operator : CG\JU
 Sample : 01552-08
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-05-0-2.0

Quant Time: Feb 21 00:05:29 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)

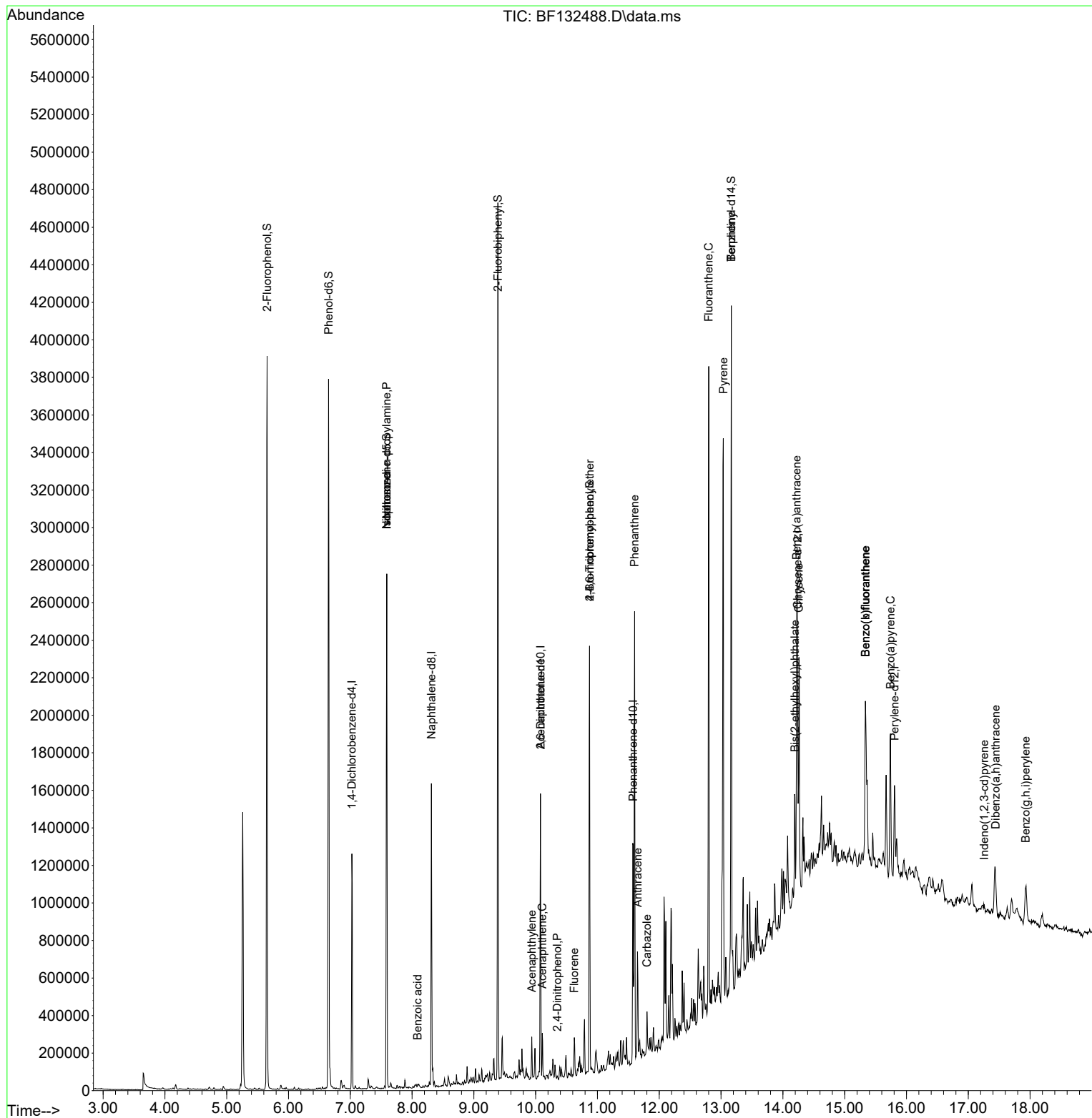
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.025	152	180541	20.000	ng	0.00
21) Naphthalene-d8	8.313	136	616216	20.000	ng	0.00
39) Acenaphthene-d10	10.078	164	278990	20.000	ng	0.00
64) Phenanthrene-d10	11.578	188	486630	20.000	ng	0.00
76) Chrysene-d12	14.236	240	264767	20.000	ng	# 0.00
86) Perylene-d12	15.807	264	223890	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.654	112	1074759	95.389	ng	0.01
7) Phenol-d6	6.648	99	1346222	91.504	ng	0.00
23) Nitrobenzene-d5	7.590	82	822278	64.117	ng	0.00
42) 2,4,6-Tribromophenol	10.872	330	249367	89.584	ng	0.00
45) 2-Fluorobiphenyl	9.389	172	1253511	69.386	ng	0.00
79) Terphenyl-d14	13.166	244	1232057	84.747	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.590	70	110958	12.302	ng	# 78
25) Isophorone	7.590	82	821023	32.580	ng	# 68
32) Benzoic acid	8.090	122	991	7.268	ng	# 42
49) Acenaphthylene	9.937	152	70735	2.627	ng	99
51) 2,6-Dinitrotoluene	10.078	165	37066	8.296	ng	# 20
52) Acenaphthene	10.107	154	44590	2.661	ng	99
54) 2,4-Dinitrophenol	10.348	184	316	5.235	ng	# 73
58) Fluorene	10.625	166	59542	3.167	ng	97
67) 4-Bromophenyl-phenylether	10.872	248	17300	3.244	ng	# 1
71) Phenanthrene	11.601	178	828592	33.060	ng	99
72) Anthracene	11.648	178	210043	8.152	ng	99
73) Carbazole	11.801	167	75306	3.247	ng	98
75) Fluoranthene	12.801	202	1361280	48.702	ng	99
77) Benzidine	13.166	184	17508	3.105	ng	95
78) Pyrene	13.036	202	1353228	60.165	ng	99
81) Benzo(a)anthracene	14.224	228	617430	31.840	ng	98
83) Chrysene	14.260	228	558540	30.146	ng	97
84) Bis(2-ethylhexyl)phtha...	14.195	149	173462	15.966	ng	# 97
87) Indeno(1,2,3-cd)pyrene	17.260	276	40592	2.836	ng	97
88) Benzo(b)fluoranthene	15.336	252	746284	50.687	ng	97
89) Benzo(k)fluoranthene	15.336	252	746284	50.651	ng	97
90) Benzo(a)pyrene	15.742	252	411663	30.086	ng	97
91) Dibenzo(a,h)anthracene	17.442	278	55359	4.696	ng	# 79
92) Benzo(g,h,i)perylene	17.930	276	210681	17.403	ng	99

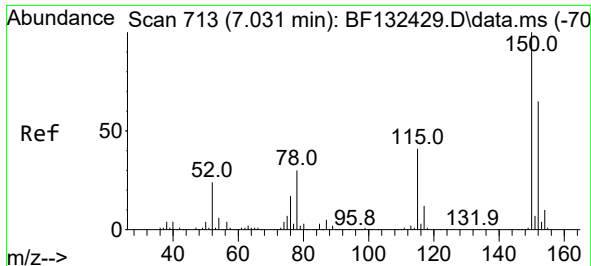
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
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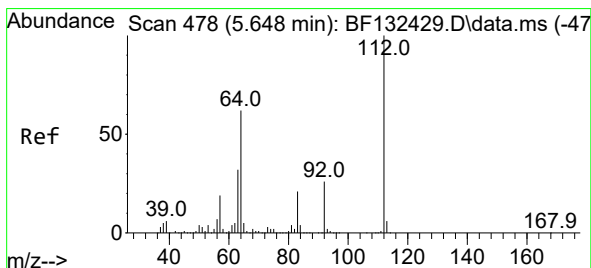
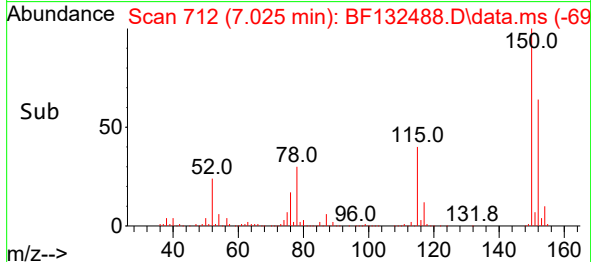
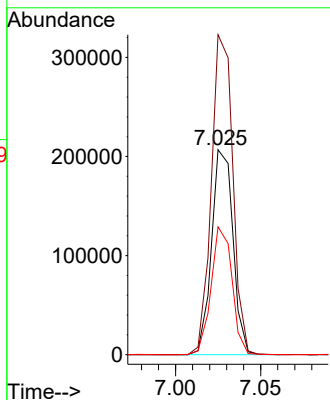
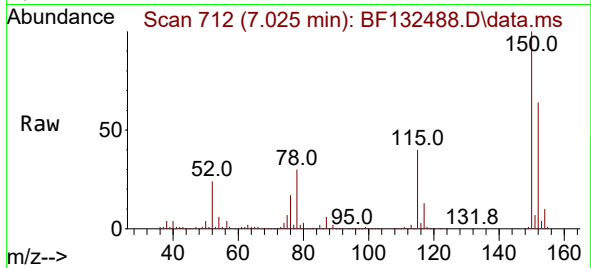




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.025 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

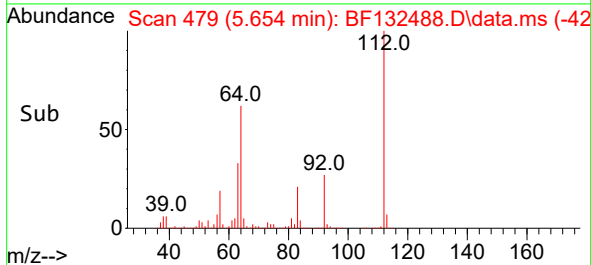
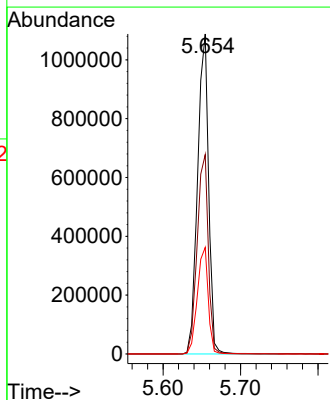
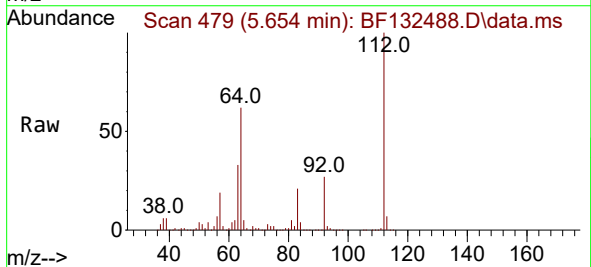
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0

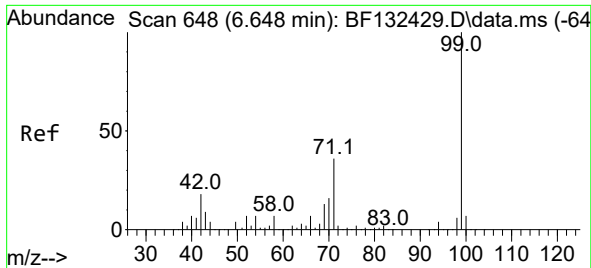
Tgt Ion:152 Resp: 180541
Ion Ratio Lower Upper
152 100
150 156.2 123.8 185.8
115 62.4 50.4 75.6



#5
2-Fluorophenol
Concen: 95.389 ng
RT: 5.654 min Scan# 479
Delta R.T. 0.012 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

Tgt Ion:112 Resp: 1074759
Ion Ratio Lower Upper
112 100
64 62.3 49.7 74.5
63 33.3 25.8 38.8

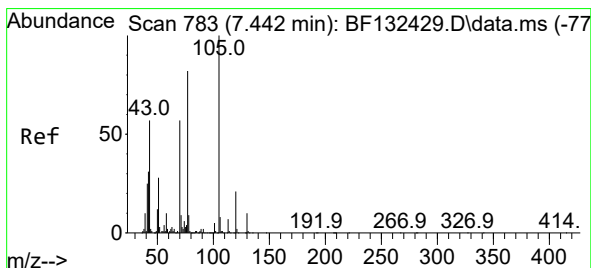
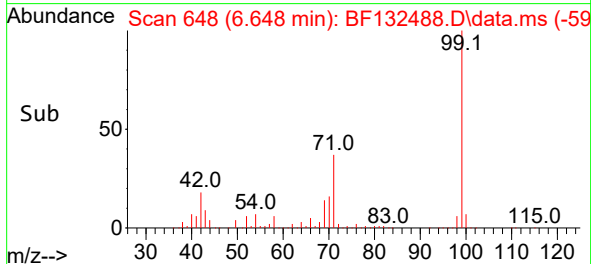
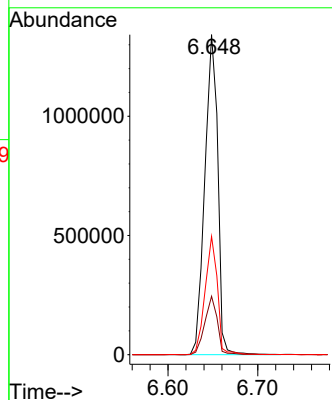
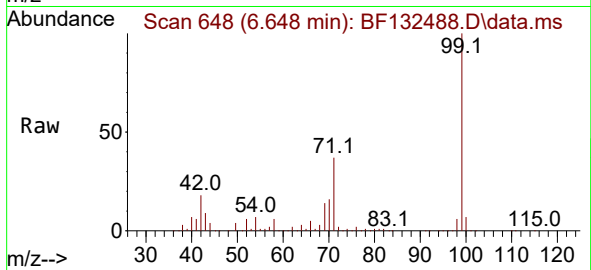




#7
Phenol-d6
Concen: 91.504 ng
RT: 6.648 min Scan# 64
Delta R.T. 0.000 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

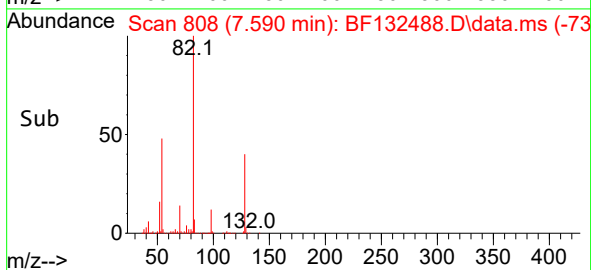
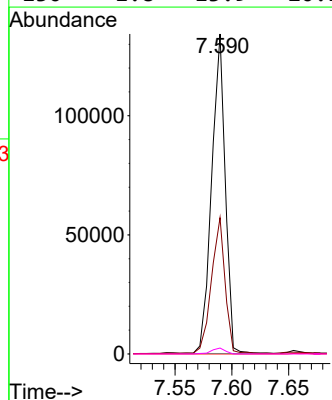
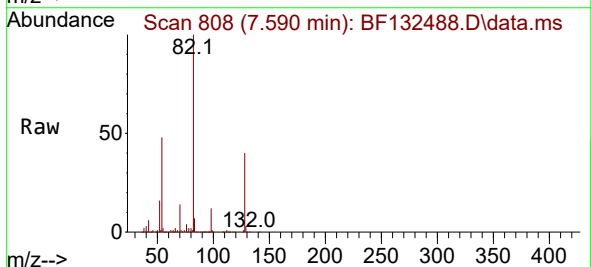
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0

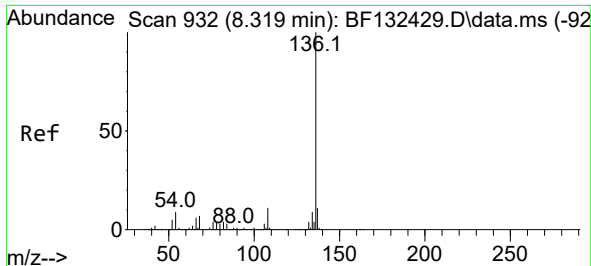
Tgt Ion: 99 Resp: 1346222
Ion Ratio Lower Upper
99 100
42 18.2 14.6 21.8
71 37.0 28.7 43.1



#19
n-Nitroso-di-n-propylamine
Concen: 12.302 ng
RT: 7.590 min Scan# 808
Delta R.T. 0.153 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

Tgt Ion: 70 Resp: 110958
Ion Ratio Lower Upper
70 100
42 42.6 43.5 65.3#
101 0.0 7.3 10.9#
130 1.8 13.9 20.9#

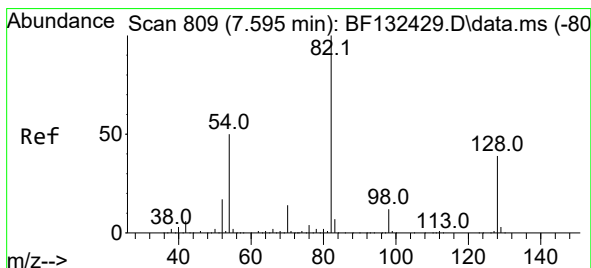
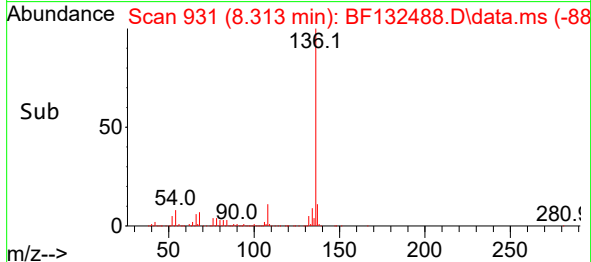
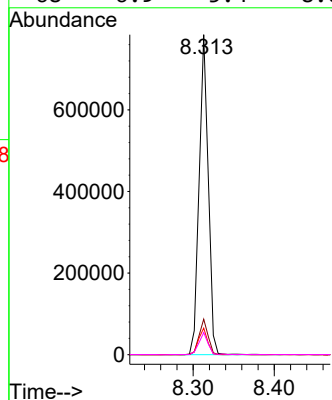
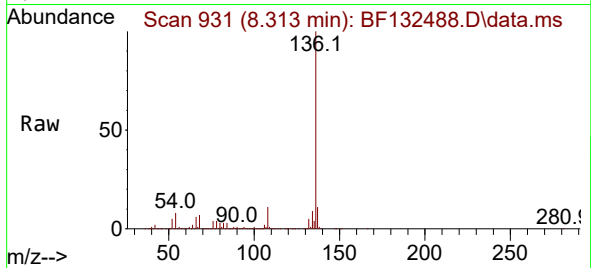




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.313 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

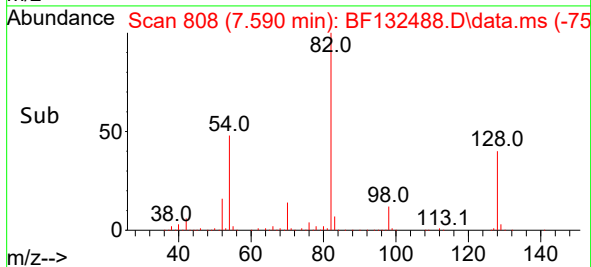
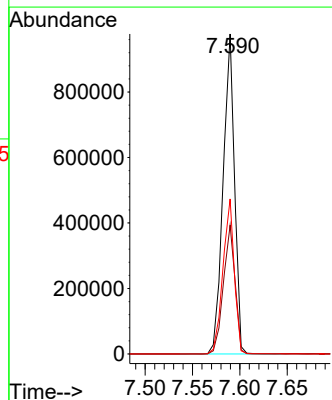
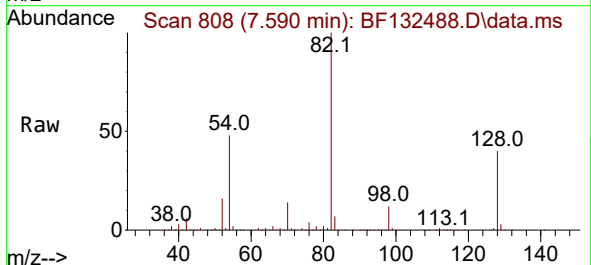
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0

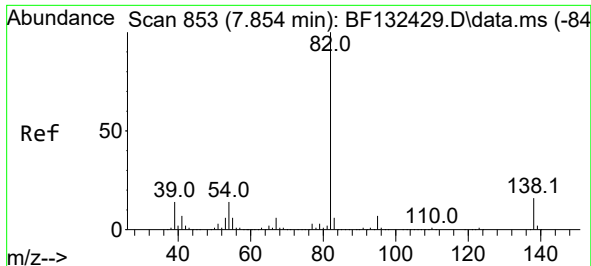
Tgt Ion:136 Resp: 616216
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.3 6.9 10.3
68 6.9 5.4 8.0



#23
Nitrobenzene-d5
Concen: 64.117 ng
RT: 7.590 min Scan# 808
Delta R.T. -0.006 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

Tgt Ion: 82 Resp: 822278
Ion Ratio Lower Upper
82 100
128 40.3 30.8 46.2
54 48.4 40.2 60.4

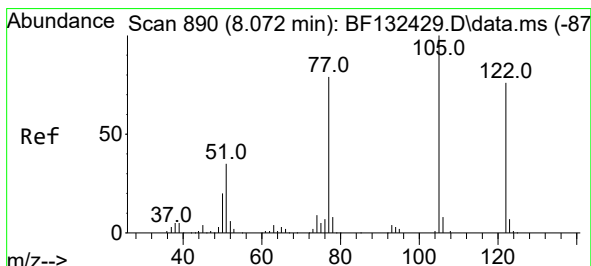
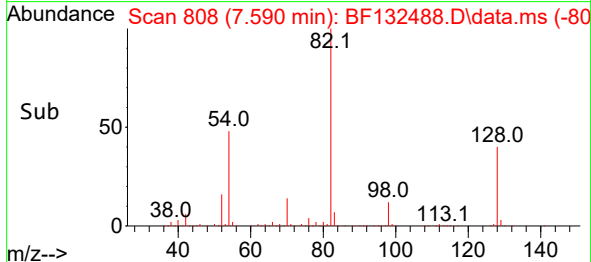
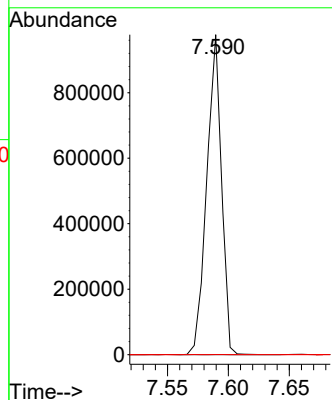
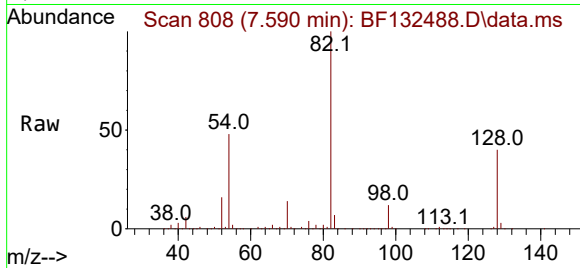




#25
Isophorone
Concen: 32.580 ng
RT: 7.590 min Scan# 80
Delta R.T. -0.259 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

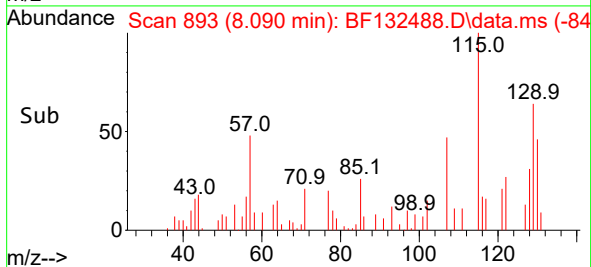
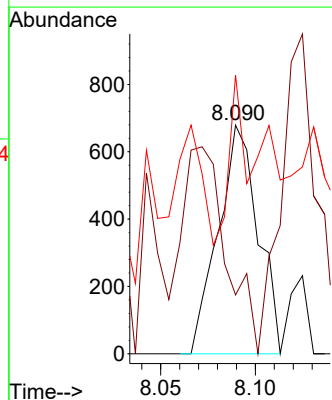
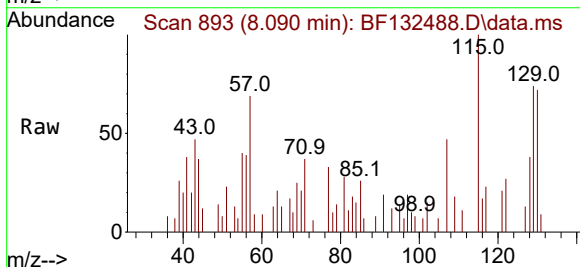
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0

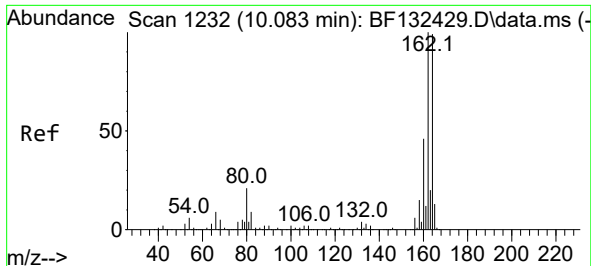
Tgt Ion: 82 Resp: 821023
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.7 19.1#



#32
Benzoic acid
Concen: 7.268 ng
RT: 8.090 min Scan# 893
Delta R.T. 0.012 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

Tgt Ion: 122 Resp: 991
Ion Ratio Lower Upper
122 100
105 25.8 109.7 149.7#
77 121.9 83.8 123.8

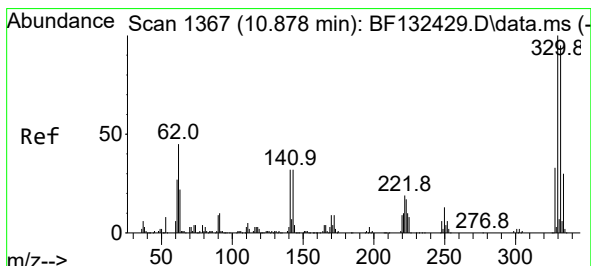
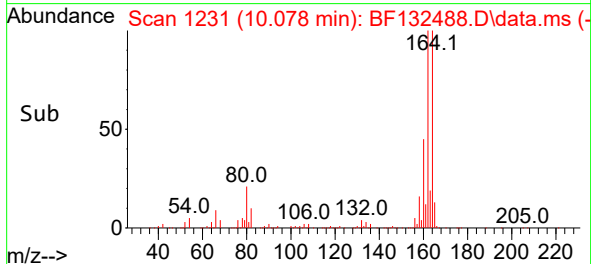
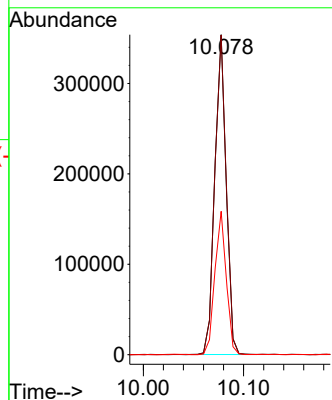
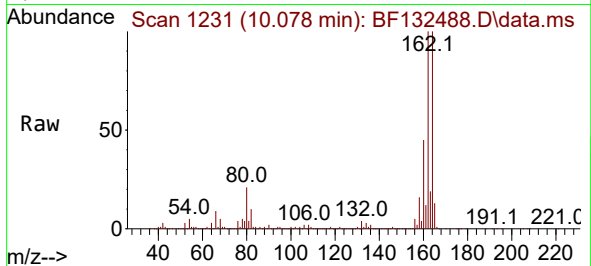




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.078 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

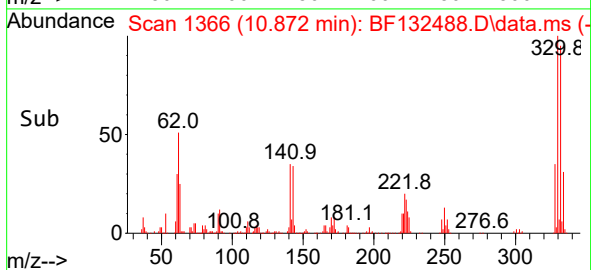
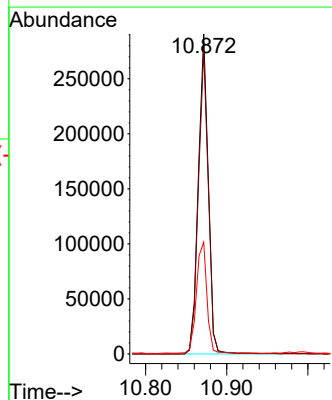
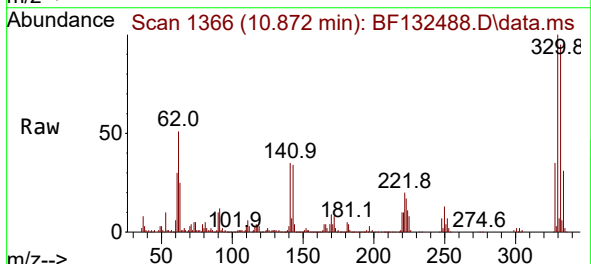
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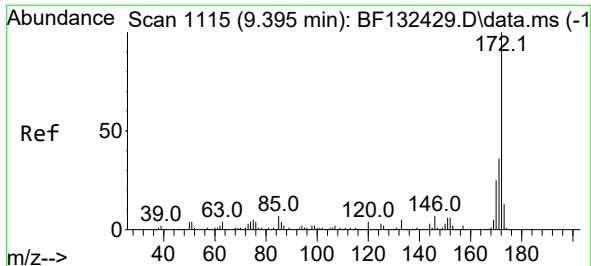
Tgt Ion:164 Resp: 278990
Ion Ratio Lower Upper
164 100
162 99.9 80.8 121.2
160 44.8 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 89.584 ng
RT: 10.872 min Scan# 1366
Delta R.T. 0.000 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

Tgt Ion:330 Resp: 249367
Ion Ratio Lower Upper
330 100
332 94.1 76.3 114.5
141 36.3 30.3 45.5





#45

2-Fluorobiphenyl

Concen: 69.386 ng

RT: 9.389 min Scan# 1115

Delta R.T. 0.000 min

Lab File: BF132488.D

Acq: 20 Feb 2023 20:11

Instrument :

BNA_F

ClientSampleId :

SB-05-0-2.0

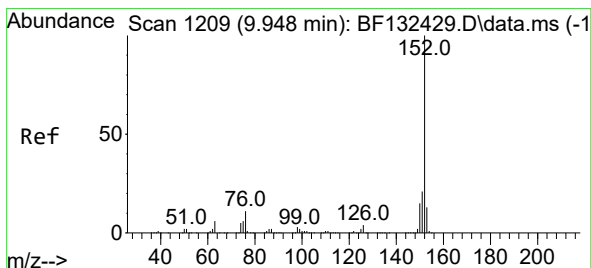
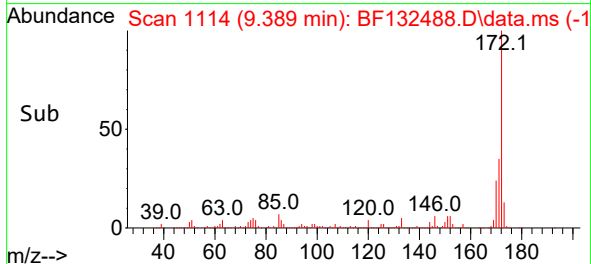
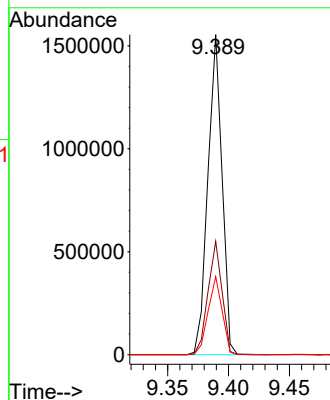
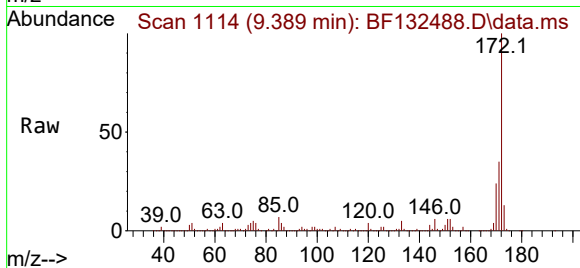
Tgt Ion:172 Resp: 1253511

Ion Ratio Lower Upper

172 100

171 35.4 28.6 42.8

170 24.4 19.9 29.9



#49

Acenaphthylene

Concen: 2.627 ng

RT: 9.937 min Scan# 1207

Delta R.T. 0.000 min

Lab File: BF132488.D

Acq: 20 Feb 2023 20:11

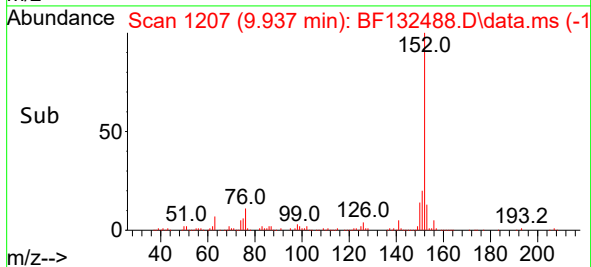
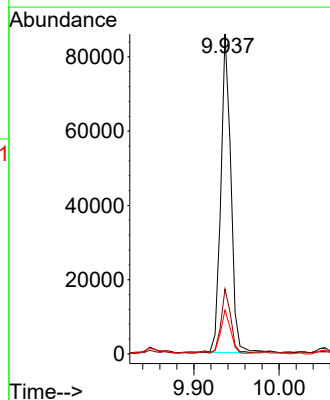
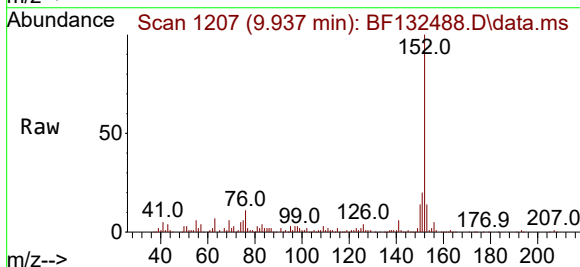
Tgt Ion:152 Resp: 70735

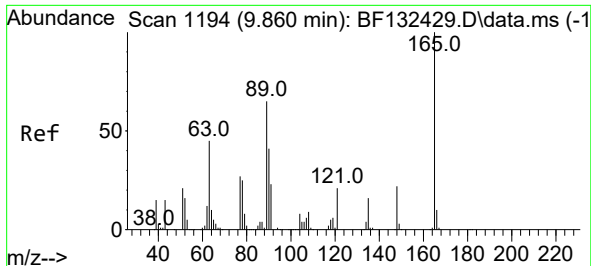
Ion Ratio Lower Upper

152 100

151 20.3 16.4 24.6

153 13.7 10.7 16.1

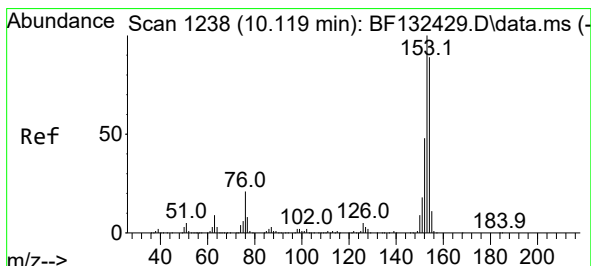
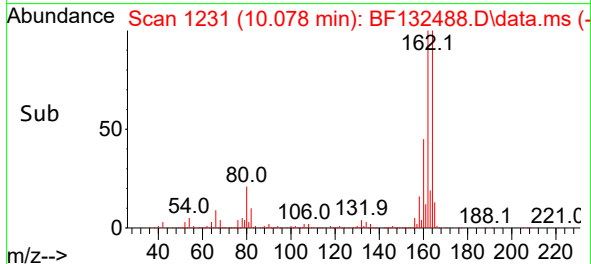
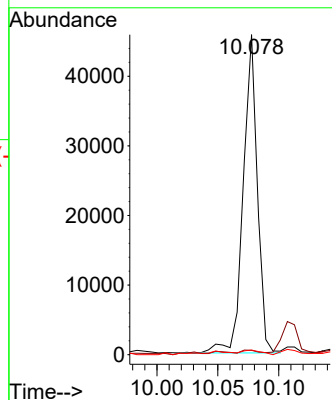
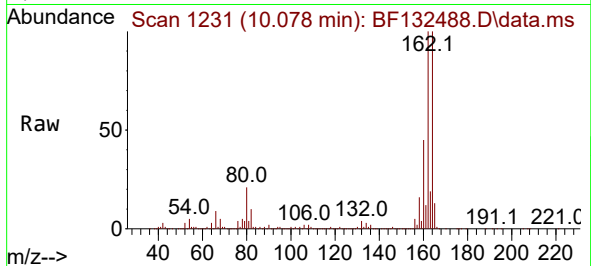




#51
2,6-Dinitrotoluene
Concen: 8.296 ng
RT: 10.078 min Scan# 1194
Delta R.T. 0.224 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

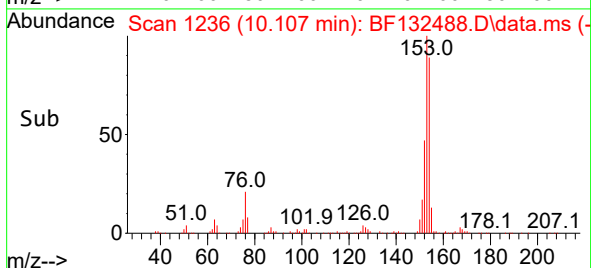
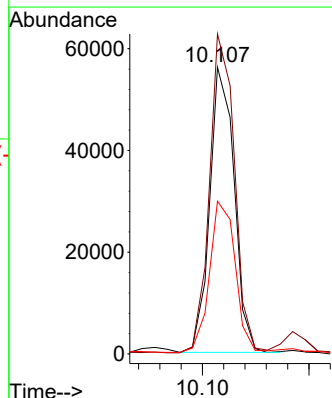
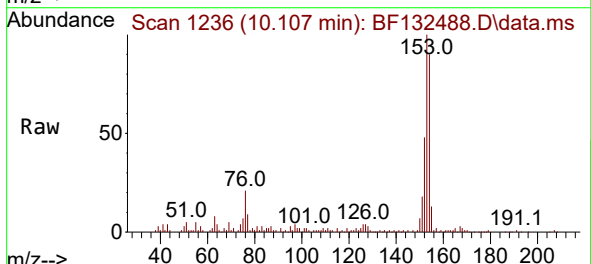
Instrument :
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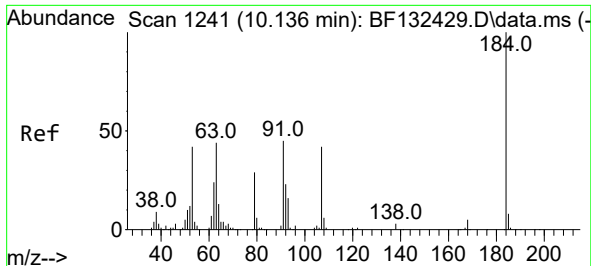
Tgt Ion:165 Resp: 37066
Ion Ratio Lower Upper
165 100
63 1.4 50.4 75.6#
89 1.5 52.2 78.2#



#52
Acenaphthene
Concen: 2.661 ng
RT: 10.107 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

Tgt Ion:154 Resp: 44590
Ion Ratio Lower Upper
154 100
153 111.6 89.7 134.5
152 53.3 43.4 65.0

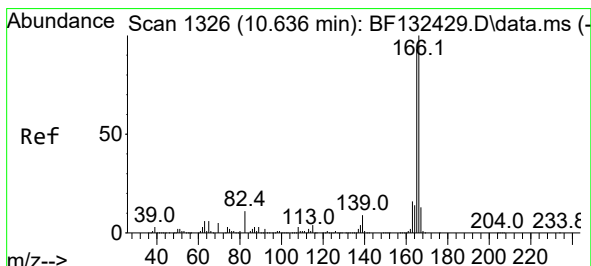
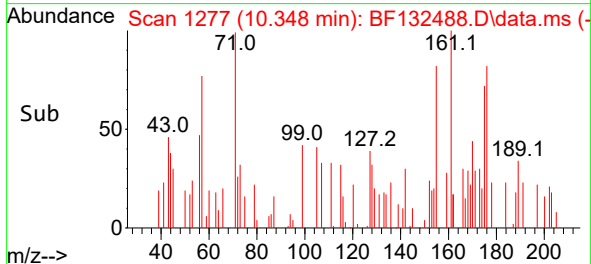
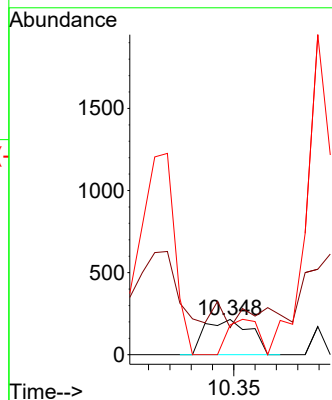
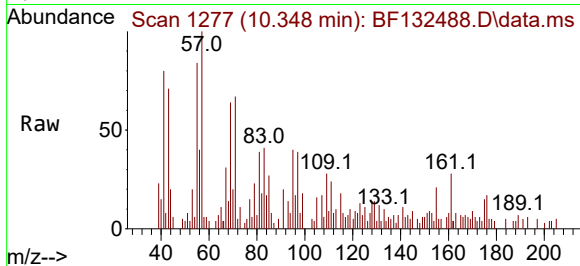




#54
2,4-Dinitrophenol
Concen: 5.235 ng
RT: 10.348 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

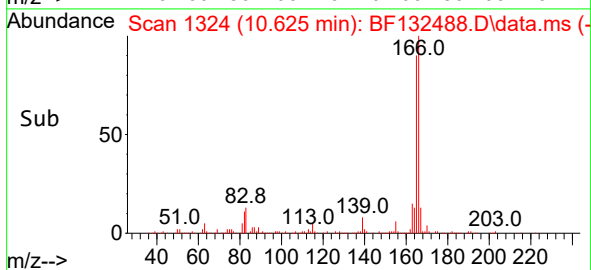
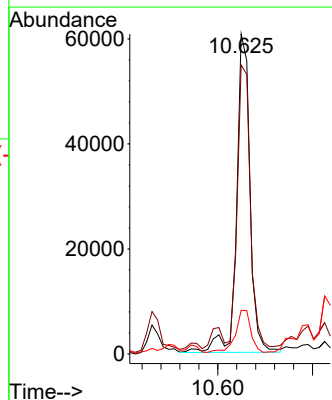
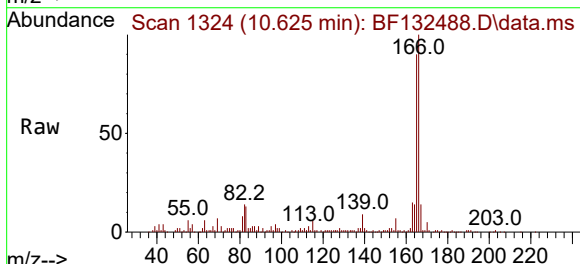
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0

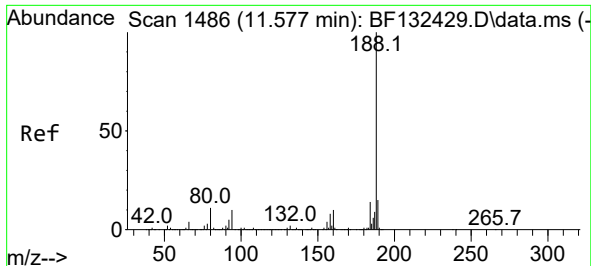
Tgt Ion:184 Resp: 316
Ion Ratio Lower Upper
184 100
63 76.7 47.0 70.6#
154 84.7 49.0 73.6#



#58
Fluorene
Concen: 3.167 ng
RT: 10.625 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

Tgt Ion:166 Resp: 59542
Ion Ratio Lower Upper
166 100
165 90.3 74.6 111.8
167 13.7 10.8 16.2

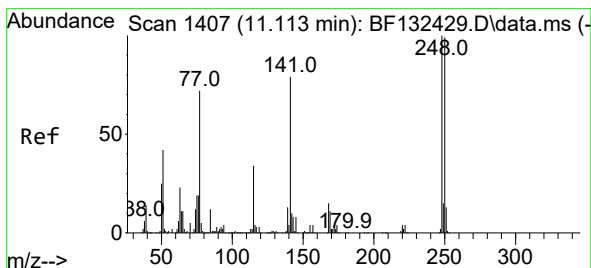
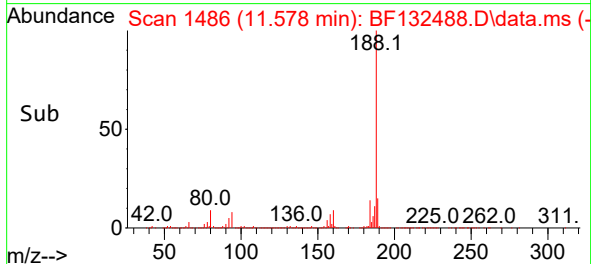
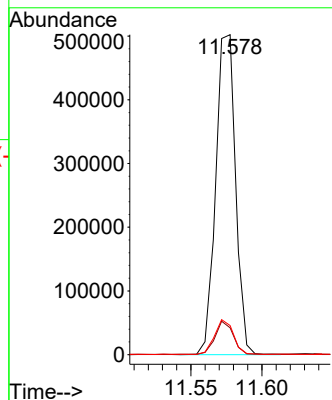
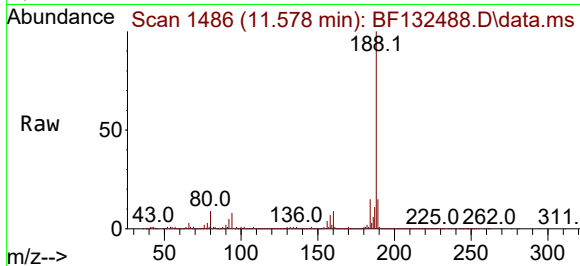




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.578 min Scan# 1486
Delta R.T. 0.006 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

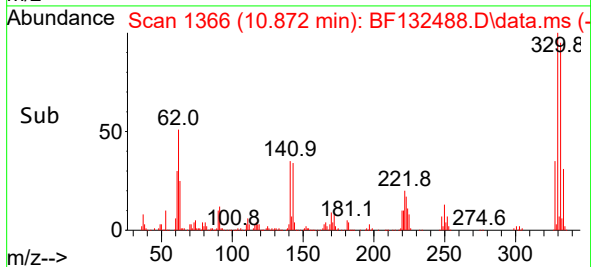
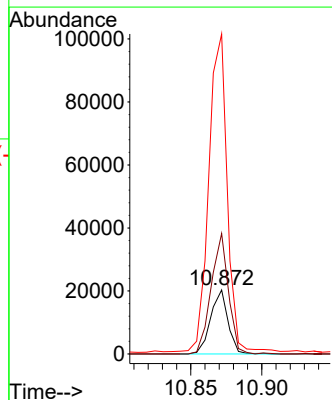
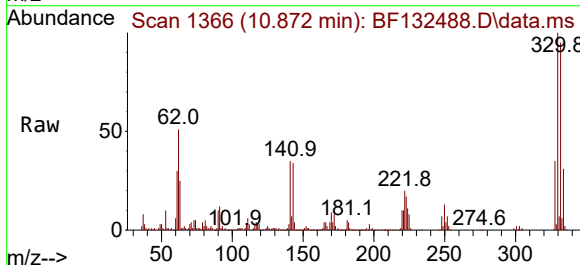
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0

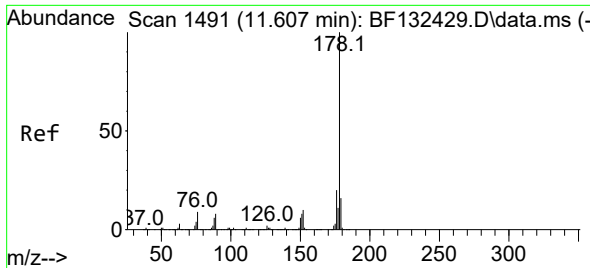
Tgt Ion:188 Resp: 486630
Ion Ratio Lower Upper
188 100
94 8.4 8.0 12.0
80 9.1 8.6 12.8



#67
4-Bromophenyl-phenylether
Concen: 3.244 ng
RT: 10.872 min Scan# 1366
Delta R.T. -0.235 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

Tgt Ion:248 Resp: 17300
Ion Ratio Lower Upper
248 100
250 188.5 79.0 118.4#
141 500.6 63.3 94.9#

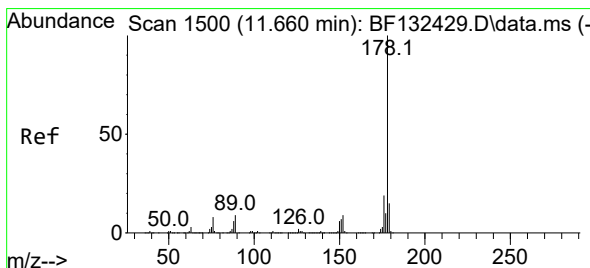
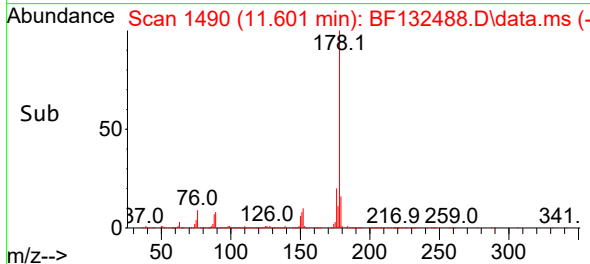
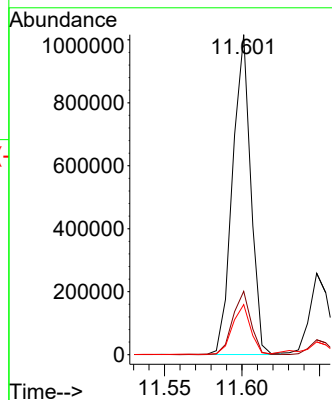
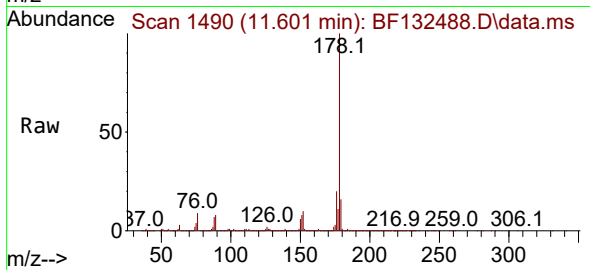




#71
Phenanthrene
Concen: 33.060 ng
RT: 11.601 min Scan# 1490
Delta R.T. 0.006 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

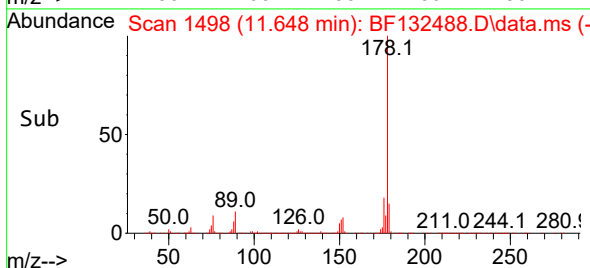
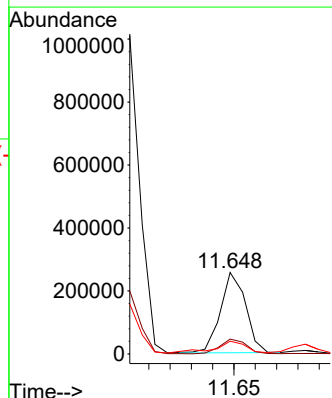
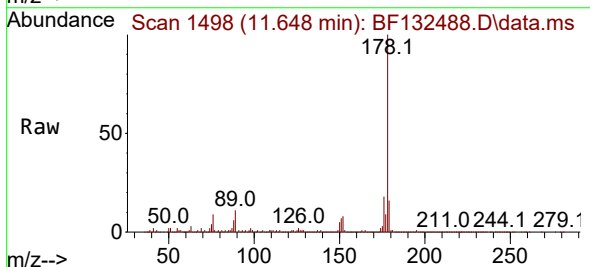
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0

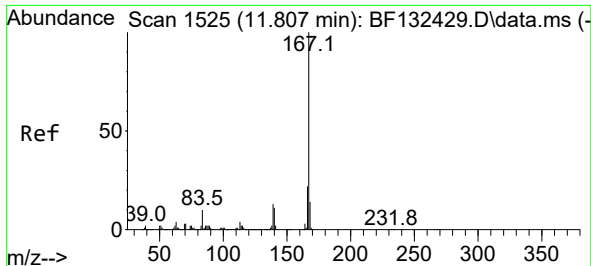
Tgt Ion:178 Resp: 828592
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.2
179 15.7 12.6 18.8



#72
Anthracene
Concen: 8.152 ng
RT: 11.648 min Scan# 1498
Delta R.T. 0.000 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

Tgt Ion:178 Resp: 210043
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.2
179 15.6 12.4 18.6

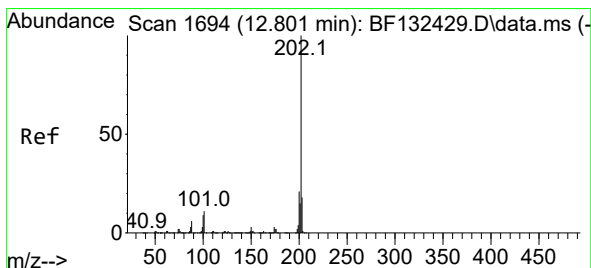
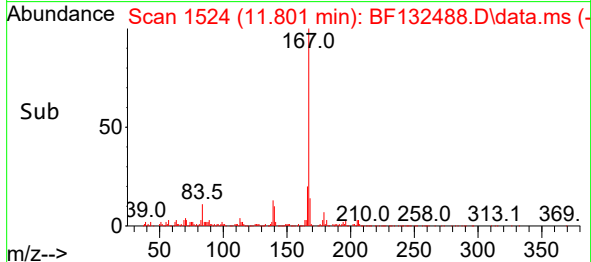
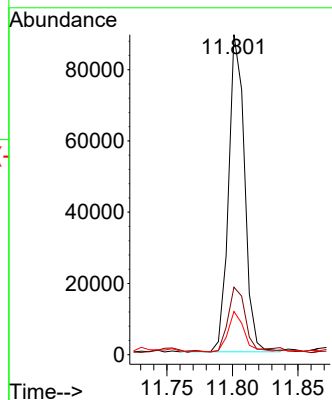
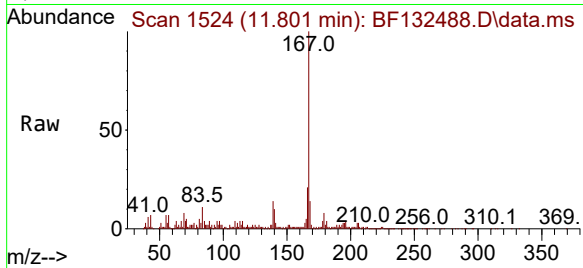




#73
 Carbazole
 Concen: 3.247 ng
 RT: 11.801 min Scan# 1525
 Delta R.T. 0.000 min
 Lab File: BF132488.D
 Acq: 20 Feb 2023 20:11

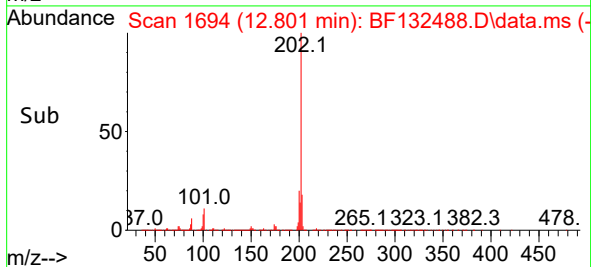
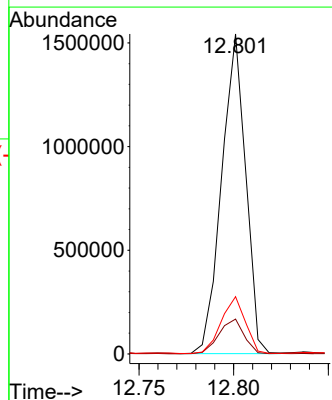
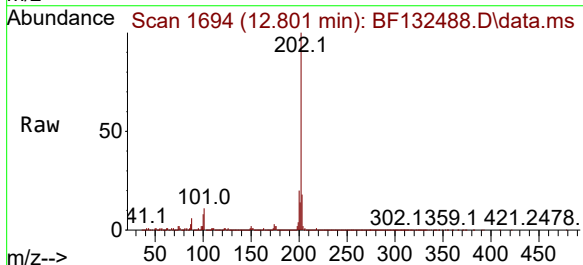
Instrument :
 BNA_F
 ClientSampleId :
 SB-05-0-2.0

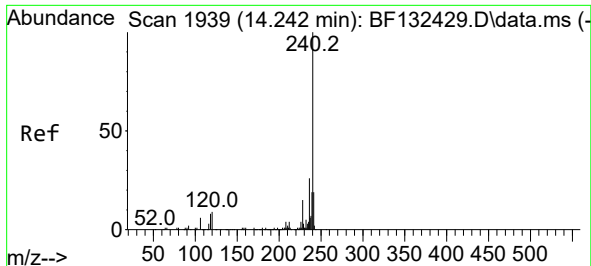
Tgt Ion:167 Resp: 75306
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.8 26.8
 139 13.5 10.7 16.1



#75
 Fluoranthene
 Concen: 48.702 ng
 RT: 12.801 min Scan# 1694
 Delta R.T. 0.006 min
 Lab File: BF132488.D
 Acq: 20 Feb 2023 20:11

Tgt Ion:202 Resp: 1361280
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 31.3
 203 17.9 0.0 37.8

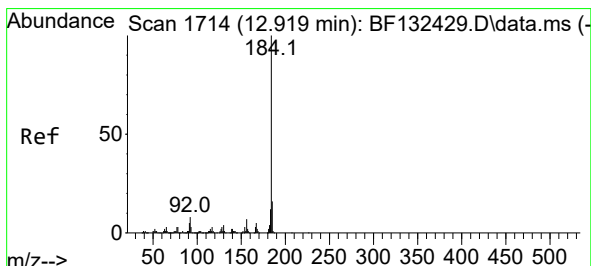
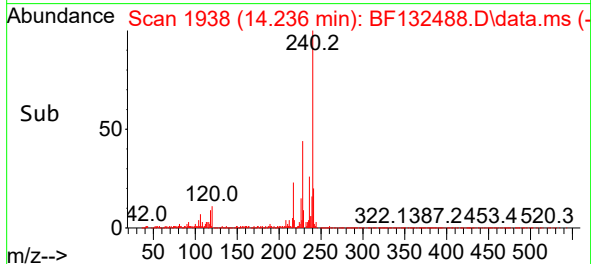
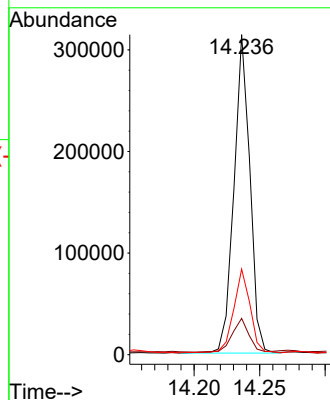
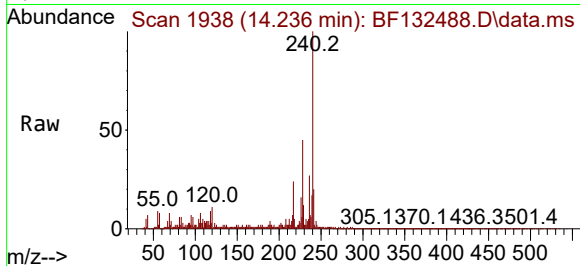




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.236 min Scan# 1938
Delta R.T. 0.006 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

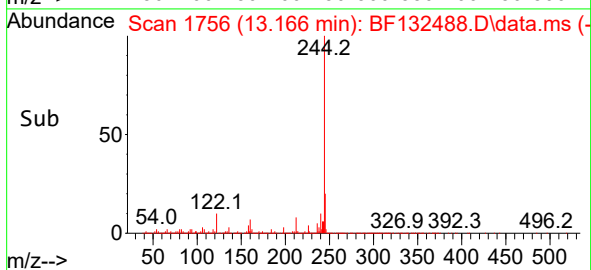
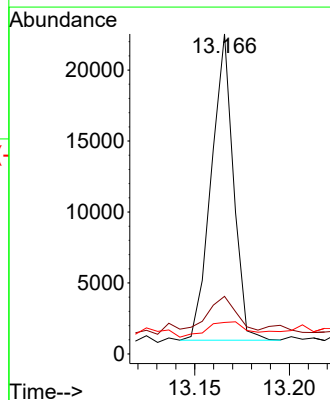
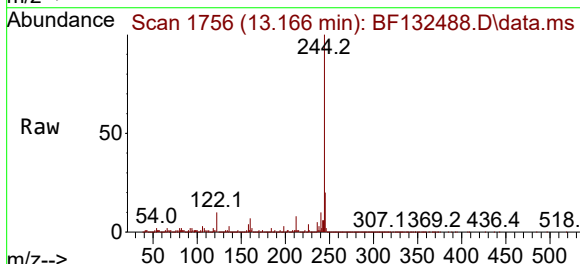
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0

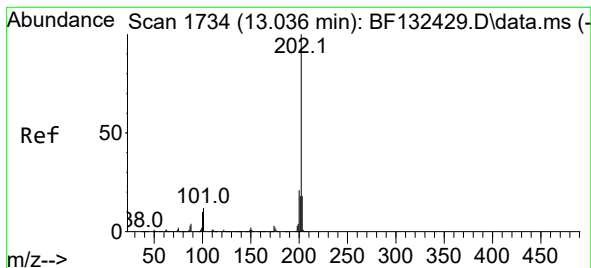
Tgt Ion:240 Resp: 264767
Ion Ratio Lower Upper
240 100
120 11.3 7.5 11.3#
236 26.8 21.0 31.6



#77
Benzidine
Concen: 3.105 ng
RT: 13.166 min Scan# 1756
Delta R.T. 0.253 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

Tgt Ion:184 Resp: 17508
Ion Ratio Lower Upper
184 100
185 18.0 12.4 18.6
183 9.9 9.2 13.8





#78

Pyrene

Concen: 60.165 ng

RT: 13.036 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF132488.D

Acq: 20 Feb 2023 20:11

Instrument :

BNA_F

ClientSampleId :

SB-05-0-2.0

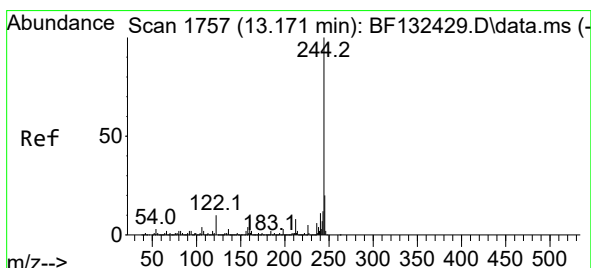
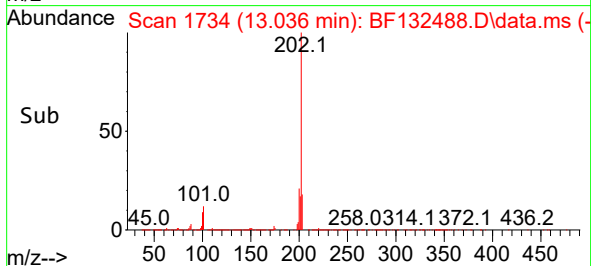
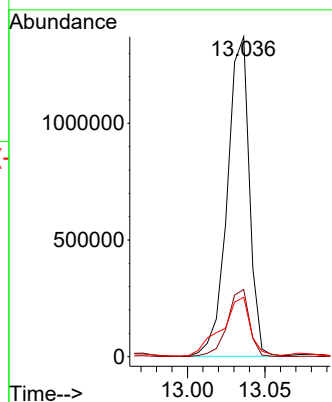
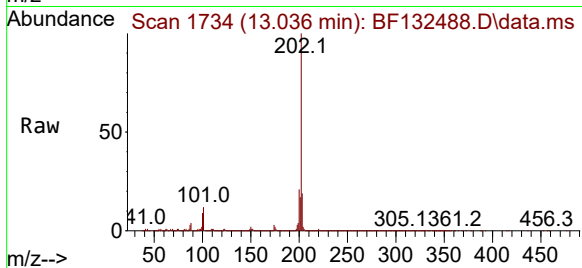
Tgt Ion:202 Resp: 1353228

Ion Ratio Lower Upper

202 100

200 21.0 16.6 25.0

203 18.6 14.3 21.5



#79

Terphenyl-d14

Concen: 84.747 ng

RT: 13.166 min Scan# 1756

Delta R.T. 0.006 min

Lab File: BF132488.D

Acq: 20 Feb 2023 20:11

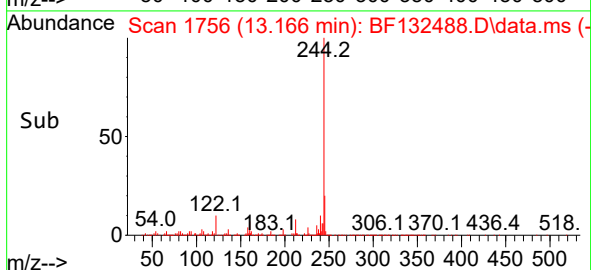
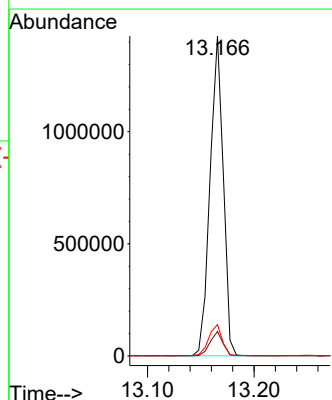
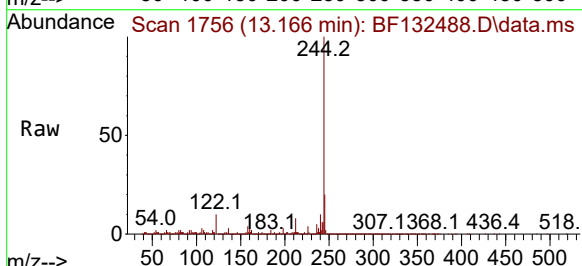
Tgt Ion:244 Resp: 1232057

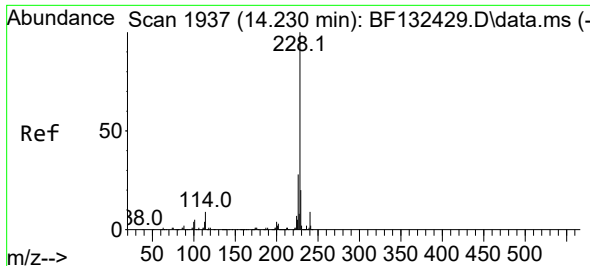
Ion Ratio Lower Upper

244 100

212 7.7 6.7 10.1

122 9.8 7.7 11.5

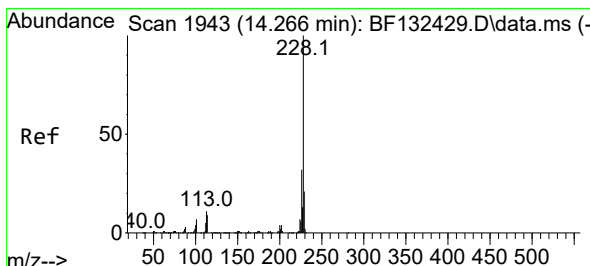
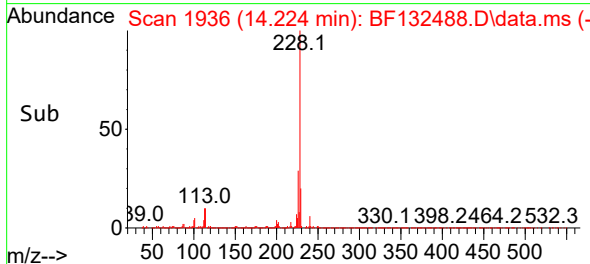
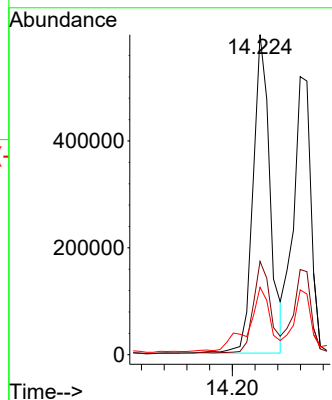
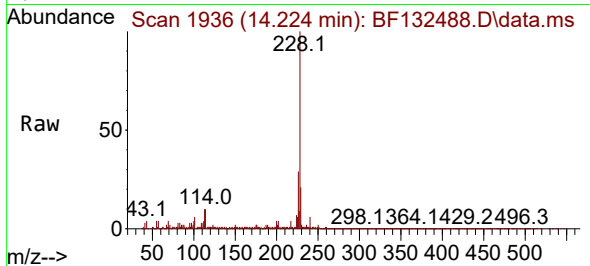




#81
Benzo(a)anthracene
Concen: 31.840 ng
RT: 14.224 min Scan# 1936
Delta R.T. 0.006 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

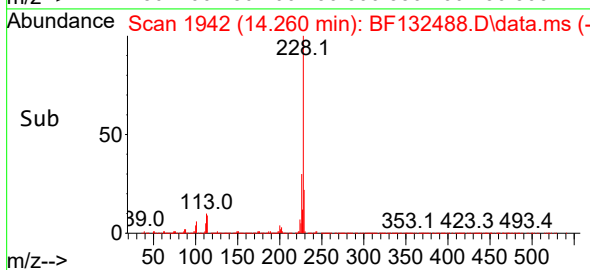
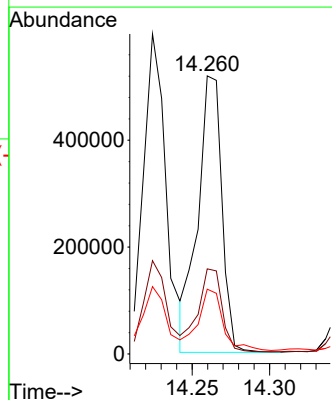
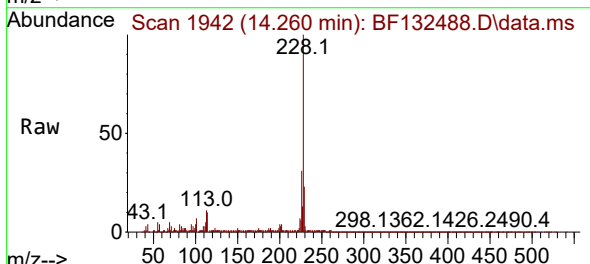
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0

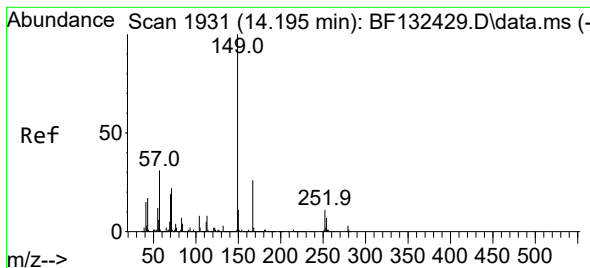
Tgt Ion:228 Resp: 617430
Ion Ratio Lower Upper
228 100
226 29.1 22.6 34.0
229 21.1 16.2 24.4



#83
Chrysene
Concen: 30.146 ng
RT: 14.260 min Scan# 1942
Delta R.T. 0.000 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

Tgt Ion:228 Resp: 558540
Ion Ratio Lower Upper
228 100
226 30.6 25.4 38.2
229 23.3 16.6 25.0

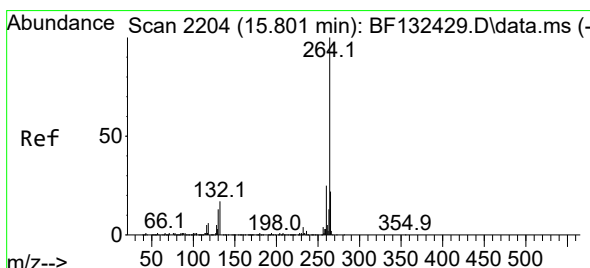
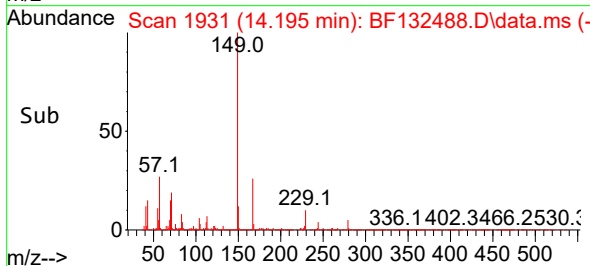
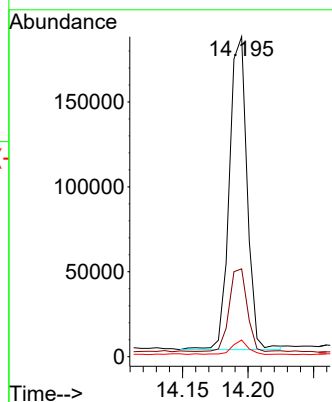
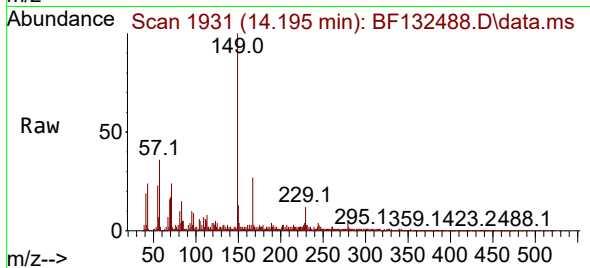




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 15.966 ng
 RT: 14.195 min Scan# 1931
 Delta R.T. 0.006 min
 Lab File: BF132488.D
 Acq: 20 Feb 2023 20:11

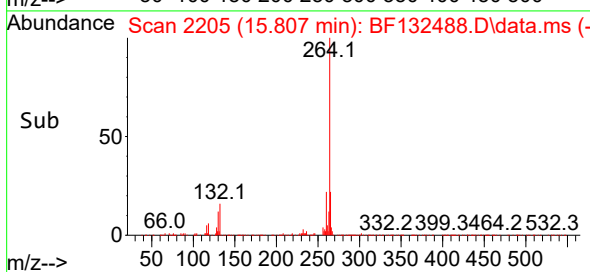
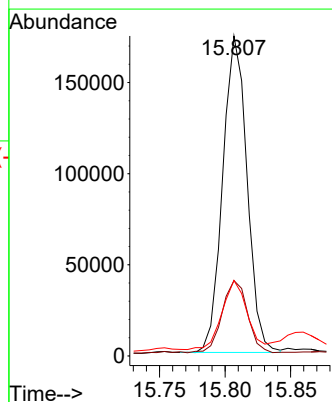
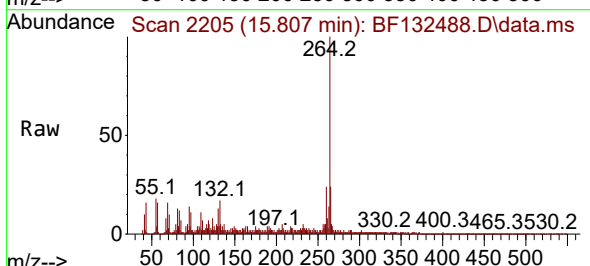
Instrument :
 BNA_F
 ClientSampleId :
 SB-05-0-2.0

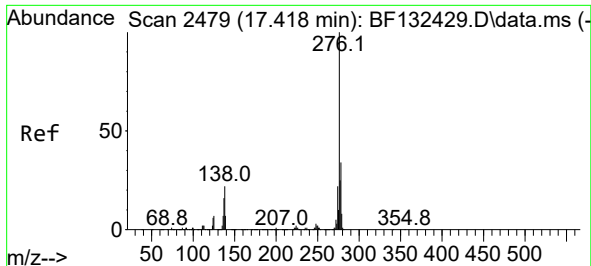
Tgt Ion:149 Resp: 173462
 Ion Ratio Lower Upper
 149 100
 167 27.4 21.0 31.6
 279 5.2 2.5 3.7#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.807 min Scan# 2205
 Delta R.T. 0.024 min
 Lab File: BF132488.D
 Acq: 20 Feb 2023 20:11

Tgt Ion:264 Resp: 223890
 Ion Ratio Lower Upper
 264 100
 260 23.5 20.0 30.0
 265 23.6 17.2 25.8

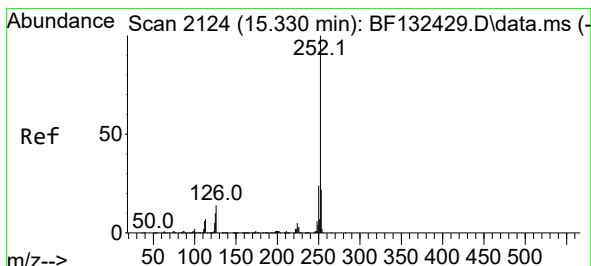
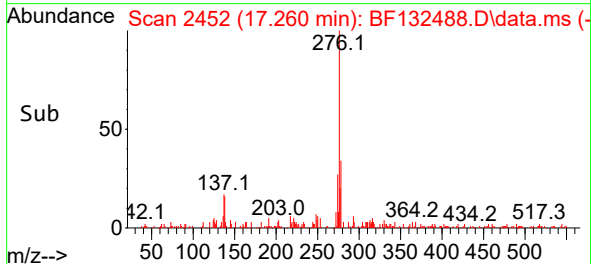
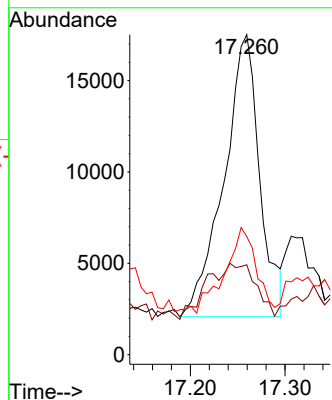
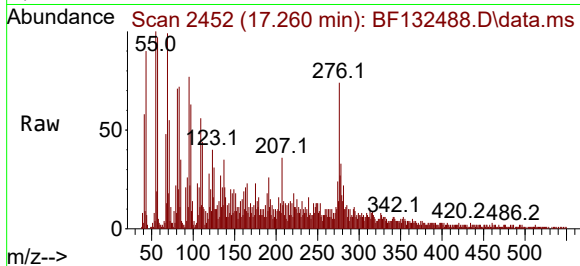




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.836 ng
RT: 17.260 min Scan# 2479
Delta R.T. -0.141 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

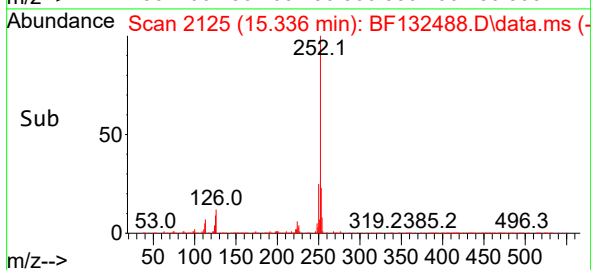
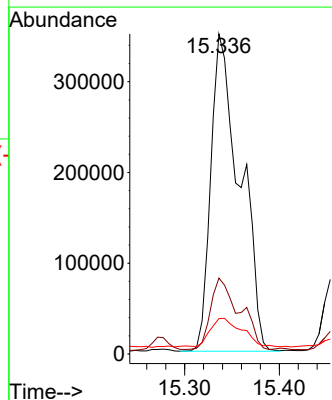
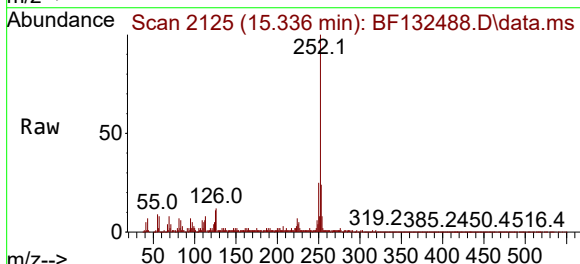
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0

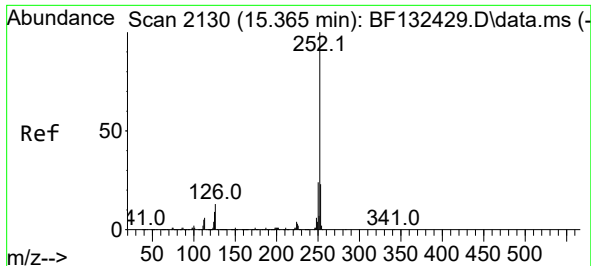
Tgt Ion:	276	Resp:	40592
Ion Ratio	Lower	Upper	
276	100		
138	27.1	20.2	30.4
277	24.2	20.0	30.0



#88
Benzo(b)fluoranthene
Concen: 50.687 ng
RT: 15.336 min Scan# 2125
Delta R.T. 0.018 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

Tgt Ion:	252	Resp:	746284
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.8	26.8
125	11.0	7.6	11.4

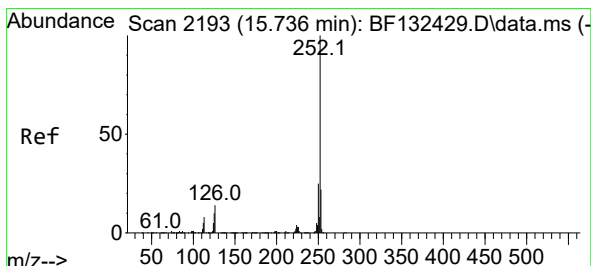
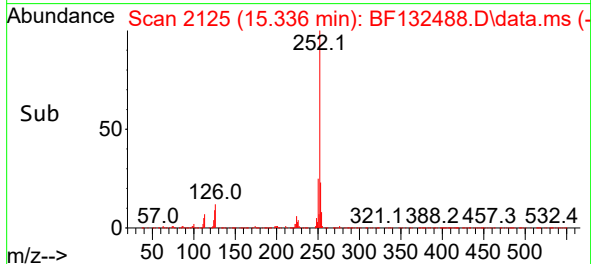
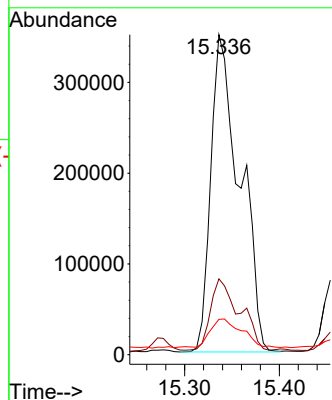
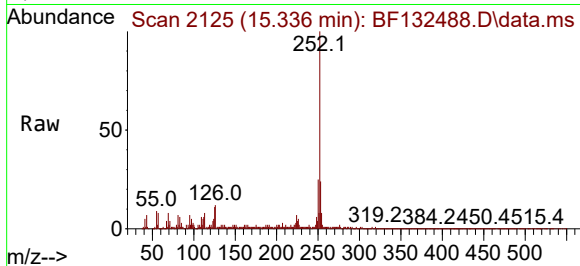




#89
Benzo(k)fluoranthene
Concen: 50.651 ng
RT: 15.336 min Scan# 2130
Delta R.T. -0.017 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

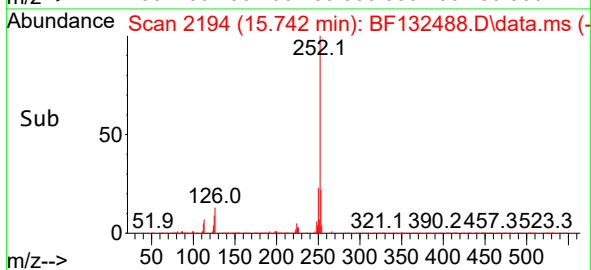
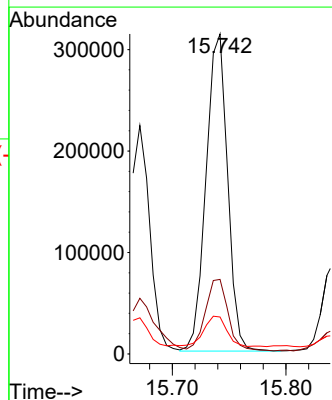
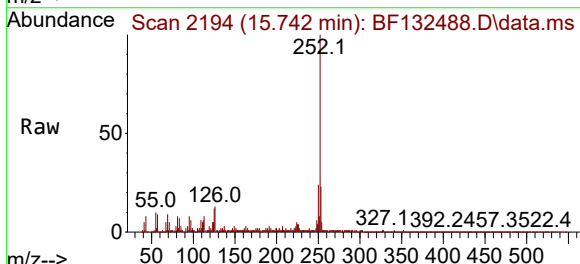
Instrument :
BNA_F
ClientSampleId :
SB-05-0-2.0

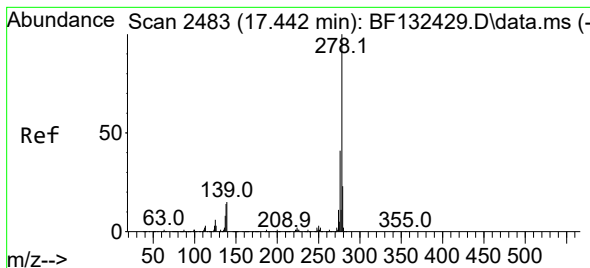
Tgt Ion:252 Resp: 746284
Ion Ratio Lower Upper
252 100
253 23.7 18.2 27.2
125 11.0 7.5 11.3



#90
Benzo(a)pyrene
Concen: 30.086 ng
RT: 15.742 min Scan# 2194
Delta R.T. 0.024 min
Lab File: BF132488.D
Acq: 20 Feb 2023 20:11

Tgt Ion:252 Resp: 411663
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 11.6 8.2 12.4





#91

Dibenzo(a,h)anthracene

Concen: 4.696 ng

RT: 17.442 min Scan# 2483

Delta R.T. 0.024 min

Lab File: BF132488.D

Acq: 20 Feb 2023 20:11

Instrument :

BNA_F

ClientSampleId :

SB-05-0-2.0

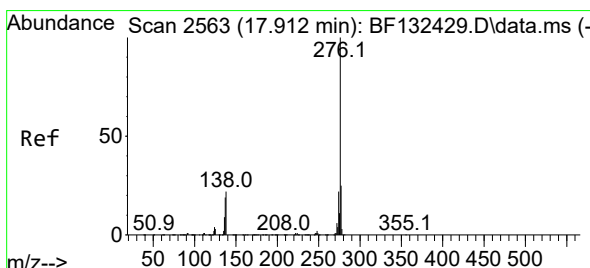
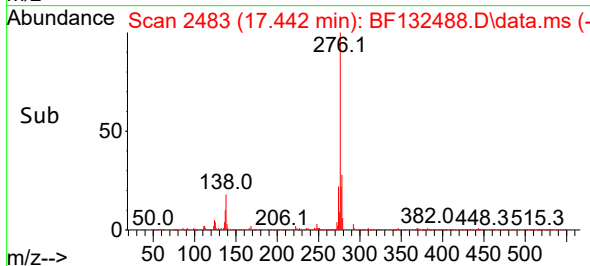
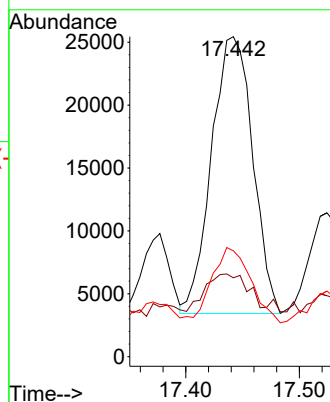
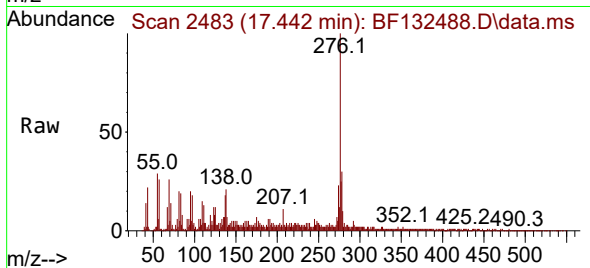
Tgt Ion:278 Resp: 55359

Ion Ratio Lower Upper

278 100

139 24.7 12.2 18.2#

279 33.1 18.8 28.2#



#92

Benzo(g,h,i)perylene

Concen: 17.403 ng

RT: 17.930 min Scan# 2566

Delta R.T. 0.035 min

Lab File: BF132488.D

Acq: 20 Feb 2023 20:11

Tgt Ion:276 Resp: 210681

Ion Ratio Lower Upper

276 100

277 24.2 19.6 29.4

138 20.9 17.7 26.5

