

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021723\
 Data File : BF132470.D
 Acq On : 18 Feb 2023 02:01
 Operator : CG\JU
 Sample : 01552-14
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-0-2.0

Quant Time: Feb 18 02:59:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 18 00:58:25 2023
 Response via : Initial Calibration

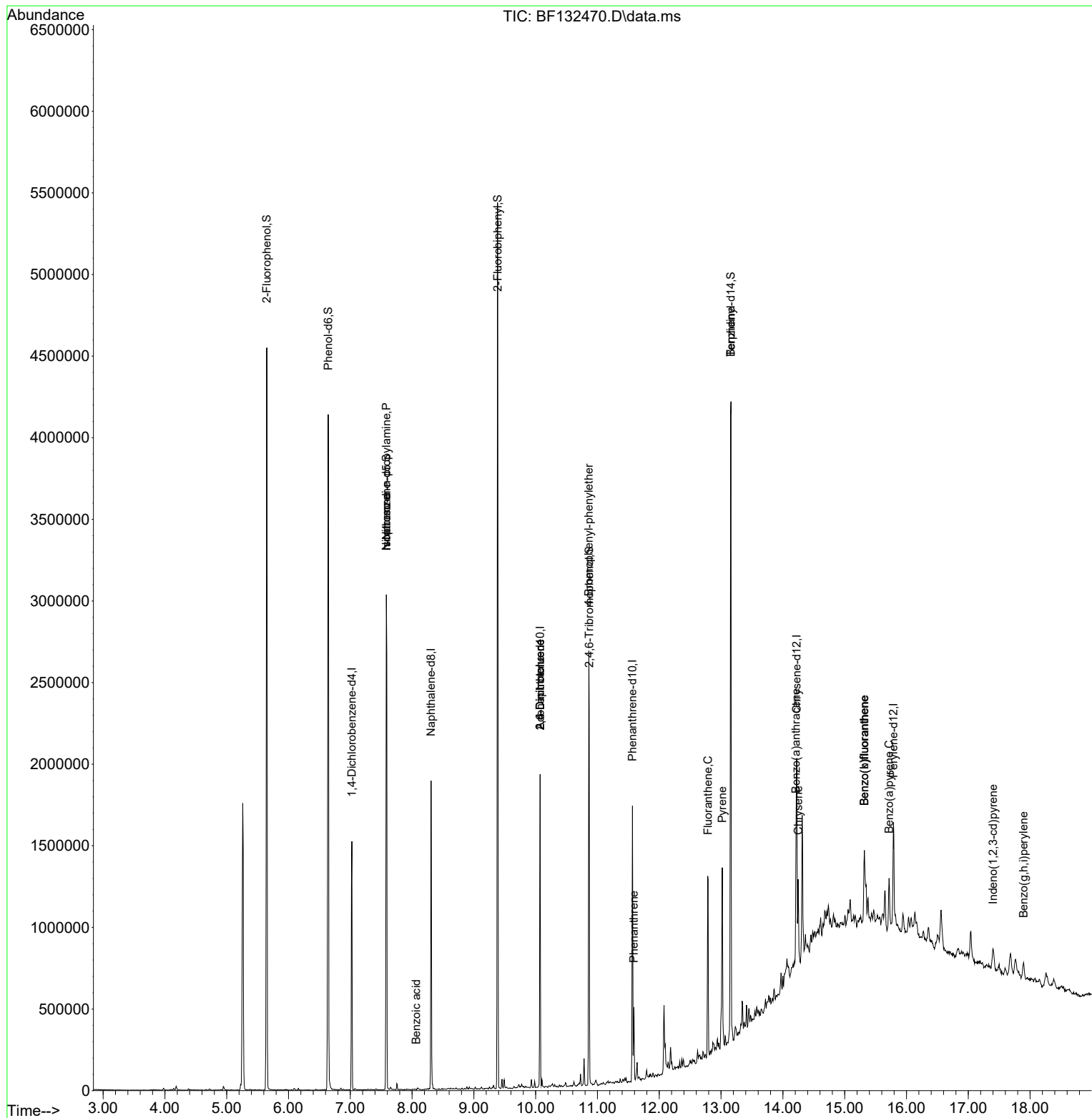
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.025	152	212282	20.000	ng	0.00
21) Naphthalene-d8	8.307	136	747987	20.000	ng	0.00
39) Acenaphthene-d10	10.072	164	344067	20.000	ng	0.00
64) Phenanthrene-d10	11.566	188	576677	20.000	ng	0.00
76) Chrysene-d12	14.224	240	363676	20.000	ng	# 0.00
86) Perylene-d12	15.789	264	292206	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.649	112	1270858	95.928	ng	0.00
7) Phenol-d6	6.643	99	1612075	93.190	ng	0.00
23) Nitrobenzene-d5	7.584	82	1042333	66.958	ng	-0.01
42) 2,4,6-Tribromophenol	10.866	330	296449	86.355	ng	0.00
45) 2-Fluorobiphenyl	9.384	172	1545884	69.385	ng	0.00
79) Terphenyl-d14	13.160	244	1486309	74.431	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.584	70	137513	12.967	ng	# 79
25) Isophorone	7.584	82	1042320	34.075	ng	# 68
32) Benzoic acid	8.066	122	62	7.156	ng	# 50
51) 2,6-Dinitrotoluene	10.072	165	45432	8.245	ng	# 20
57) 2,4-Dinitrotoluene	10.072	165	45432	6.263	ng	# 20
67) 4-Bromophenyl-phenylether	10.860	248	19892	3.147	ng	# 1
71) Phenanthrene	11.589	178	149645	5.038	ng	98
75) Fluoranthene	12.789	202	464348	14.019	ng	99
77) Benzidine	13.160	184	21319	2.753	ng	95
78) Pyrene	13.019	202	430036	13.920	ng	99
81) Benzo(a)anthracene	14.213	228	235044	8.824	ng	99
83) Chrysene	14.248	228	202562	7.959	ng	96
87) Indeno(1,2,3-cd)pyrene	17.401	276	92774	4.967	ng	95
88) Benzo(b)fluoranthene	15.319	252	315588	16.423	ng	# 91
89) Benzo(k)fluoranthene	15.319	252	315588	16.412	ng	# 91
90) Benzo(a)pyrene	15.719	252	158130	8.855	ng	# 90
92) Benzo(g,h,i)perylene	17.895	276	89470	5.663	ng	97

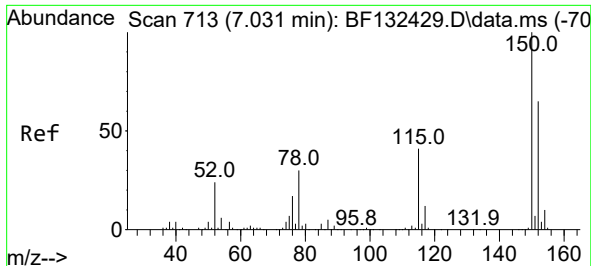
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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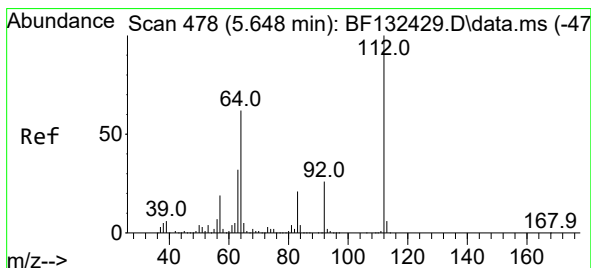
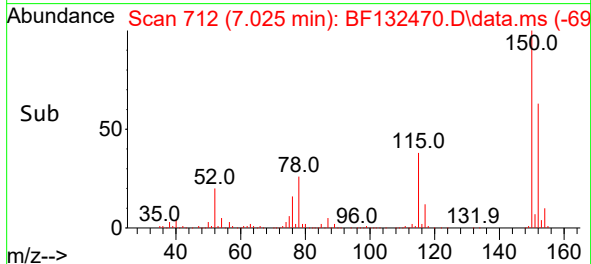
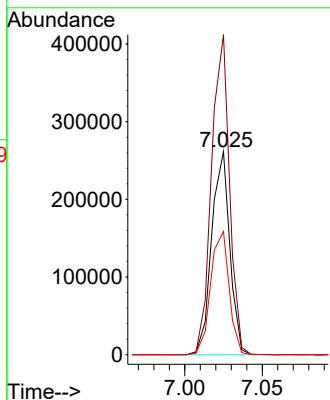
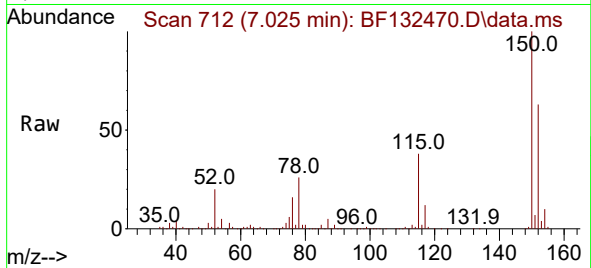




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.025 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

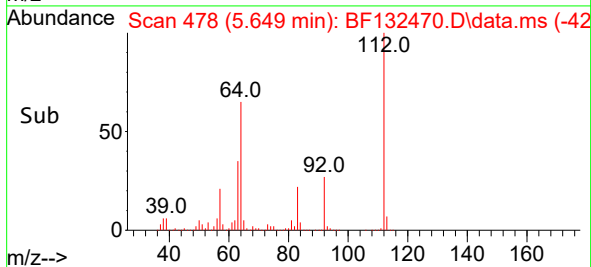
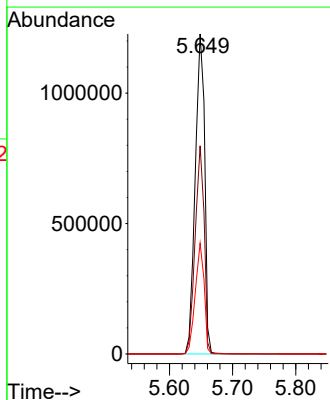
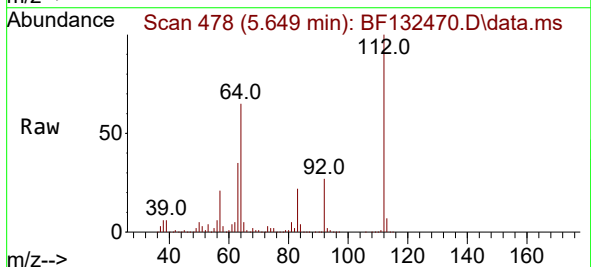
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ClientSampleId :
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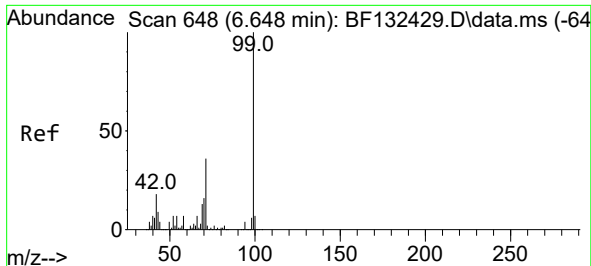
Tgt Ion:152 Resp: 212282
Ion Ratio Lower Upper
152 100
150 157.5 123.8 185.8
115 60.6 50.4 75.6



#5
2-Fluorophenol
Concen: 95.928 ng
RT: 5.649 min Scan# 478
Delta R.T. 0.006 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

Tgt Ion:112 Resp: 1270858
Ion Ratio Lower Upper
112 100
64 65.1 49.7 74.5
63 34.6 25.8 38.8

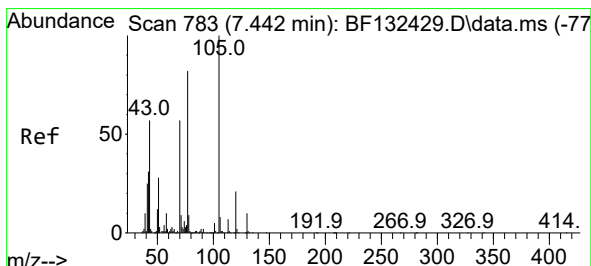
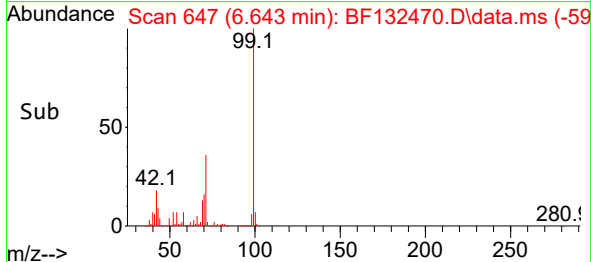
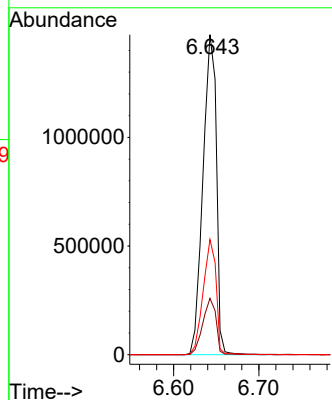
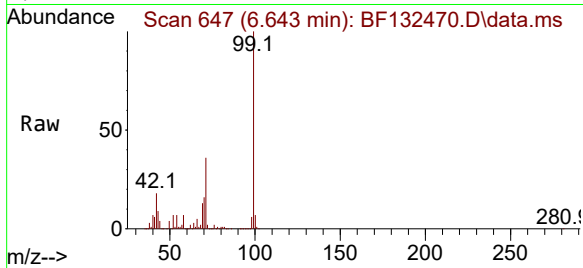




#7
Phenol-d6
Concen: 93.190 ng
RT: 6.643 min Scan# 64
Delta R.T. -0.006 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

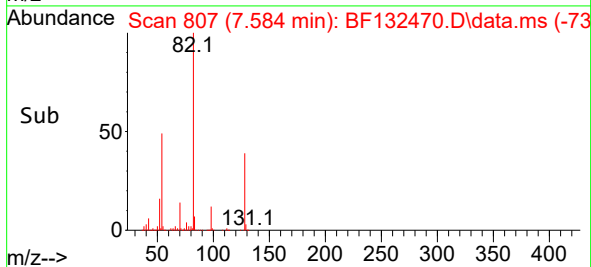
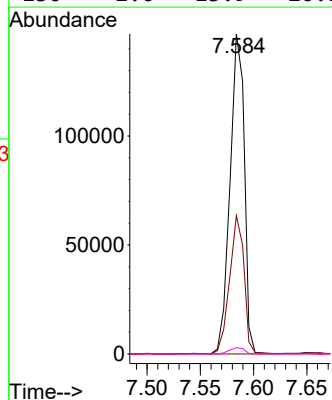
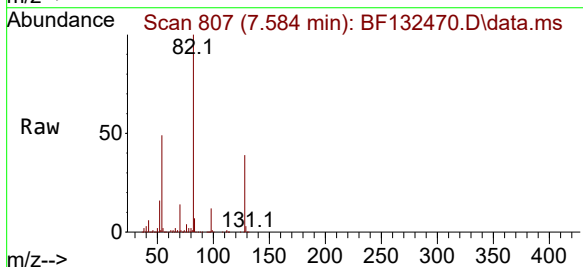
Instrument :
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ClientSampleId :
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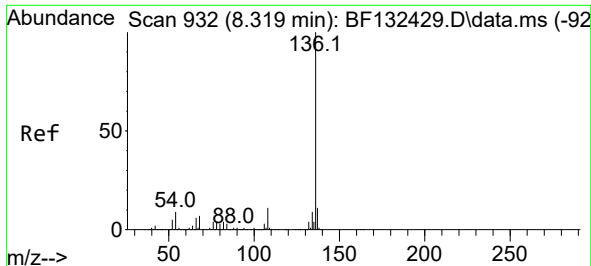
Tgt Ion: 99 Resp: 1612075
Ion Ratio Lower Upper
99 100
42 17.6 14.6 21.8
71 36.0 28.7 43.1



#19
n-Nitroso-di-n-propylamine
Concen: 12.967 ng
RT: 7.584 min Scan# 807
Delta R.T. 0.147 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

Tgt Ion: 70 Resp: 137513
Ion Ratio Lower Upper
70 100
42 43.2 43.5 65.3#
101 0.0 7.3 10.9#
130 2.0 13.9 20.9#

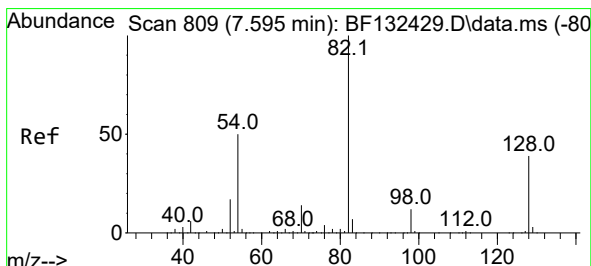
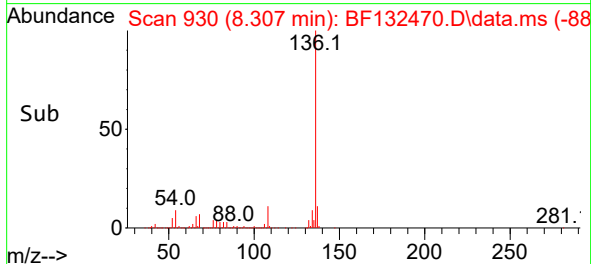
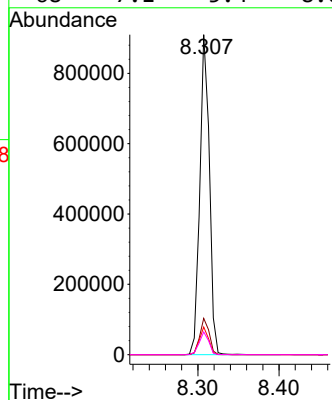
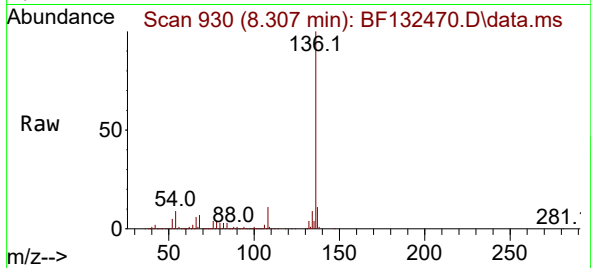




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.307 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

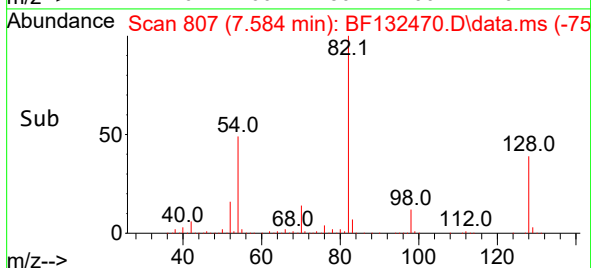
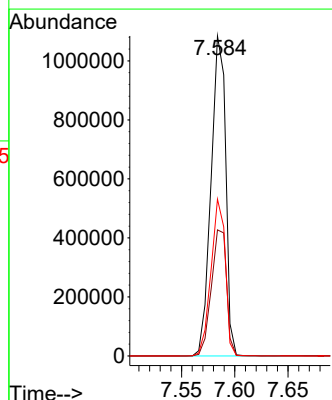
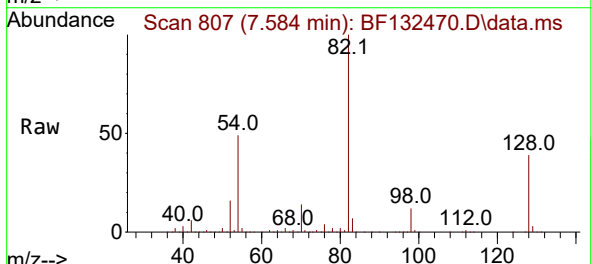
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ClientSampleId :
SB-04-0-2.0

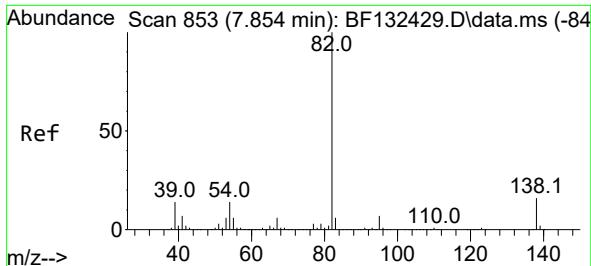
Tgt Ion:136 Resp: 747987
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 8.7 6.9 10.3
68 7.1 5.4 8.0



#23
Nitrobenzene-d5
Concen: 66.958 ng
RT: 7.584 min Scan# 807
Delta R.T. -0.012 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

Tgt Ion: 82 Resp: 1042333
Ion Ratio Lower Upper
82 100
128 39.4 30.8 46.2
54 49.0 40.2 60.4

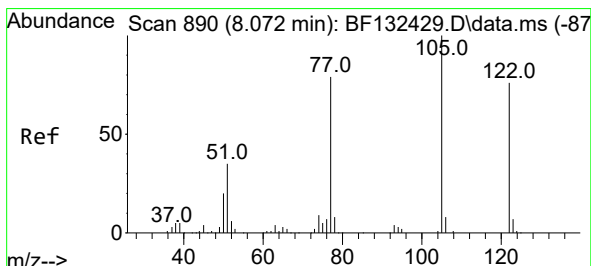
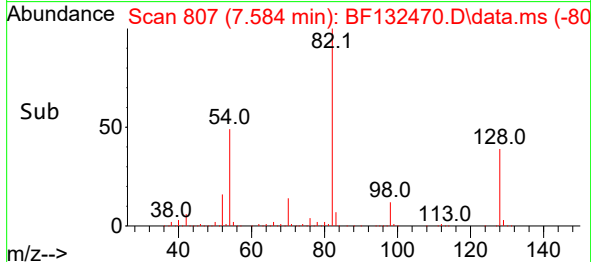
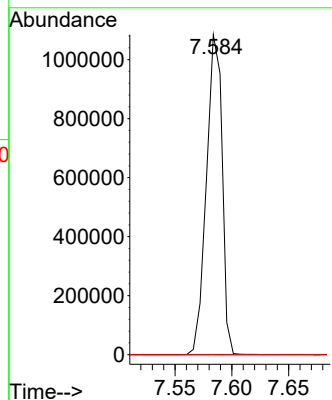
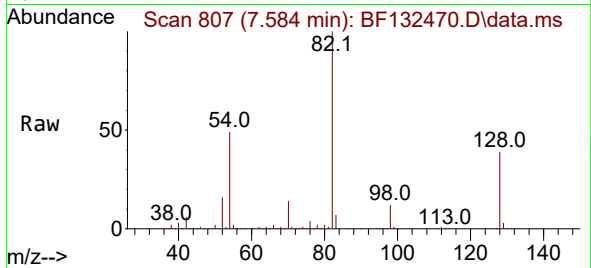




#25
Isophorone
Concen: 34.075 ng
RT: 7.584 min Scan# 80
Delta R.T. -0.264 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

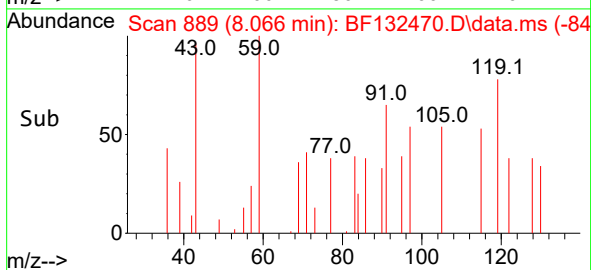
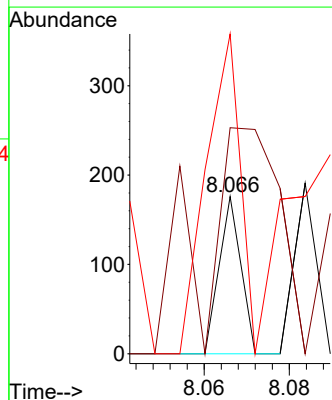
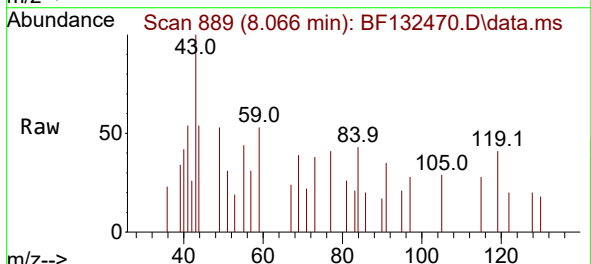
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ClientSampleId :
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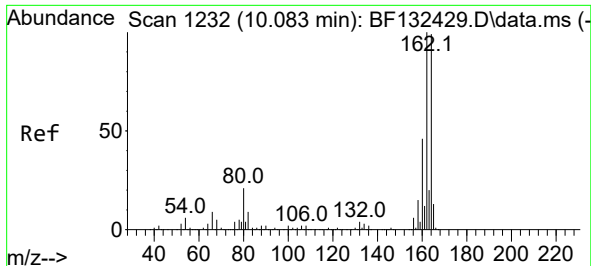
Tgt Ion: 82 Resp: 1042320
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 12.7 19.1#



#32
Benzoic acid
Concen: 7.156 ng
RT: 8.066 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

Tgt Ion:122 Resp: 62
Ion Ratio Lower Upper
122 100
105 143.8 109.7 149.7
77 203.4 83.8 123.8#

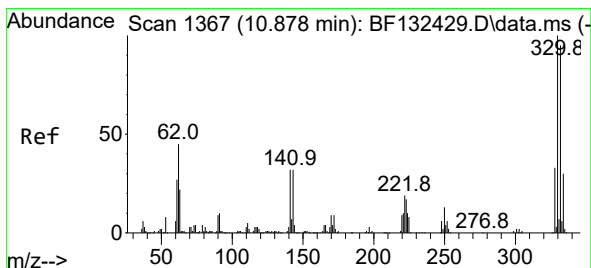
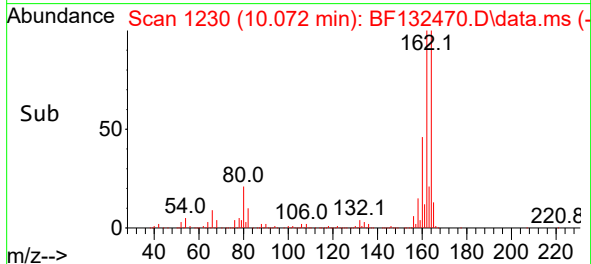
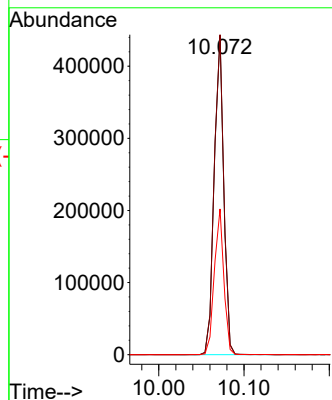
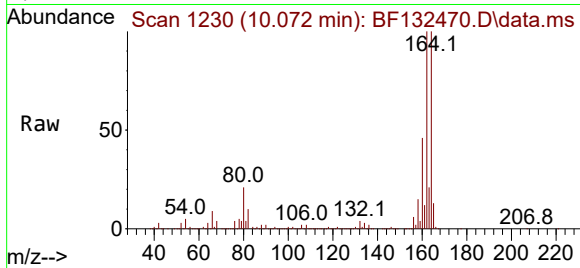




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.072 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

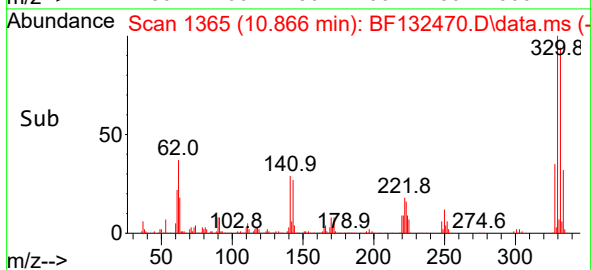
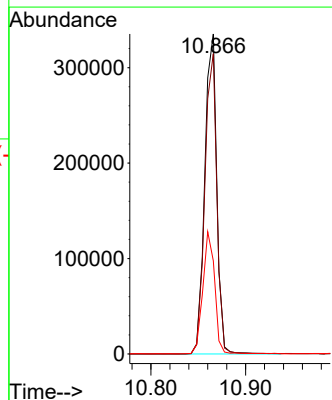
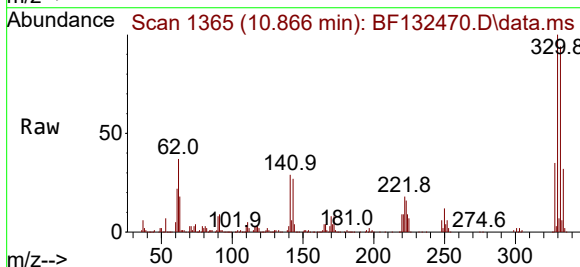
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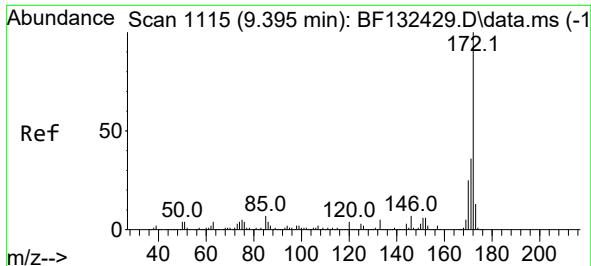
Tgt Ion:164 Resp: 344067
Ion Ratio Lower Upper
164 100
162 100.2 80.8 121.2
160 45.7 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 86.355 ng
RT: 10.866 min Scan# 1365
Delta R.T. -0.006 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

Tgt Ion:330 Resp: 296449
Ion Ratio Lower Upper
330 100
332 93.7 76.3 114.5
141 37.6 30.3 45.5

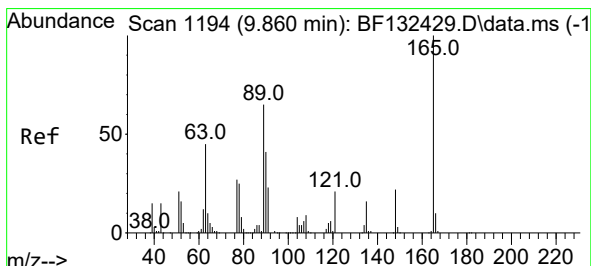
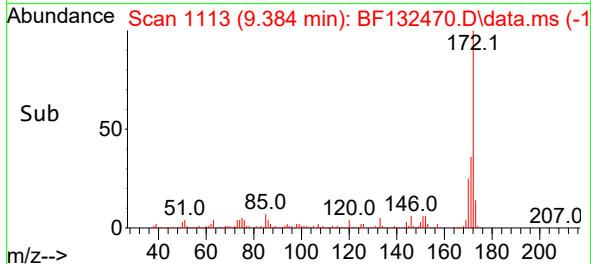
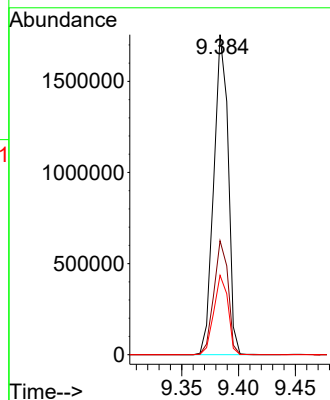
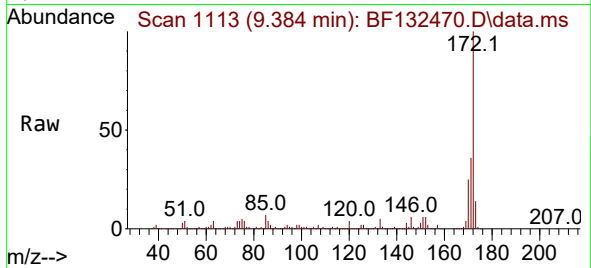




#45
2-Fluorobiphenyl
Concen: 69.385 ng
RT: 9.384 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

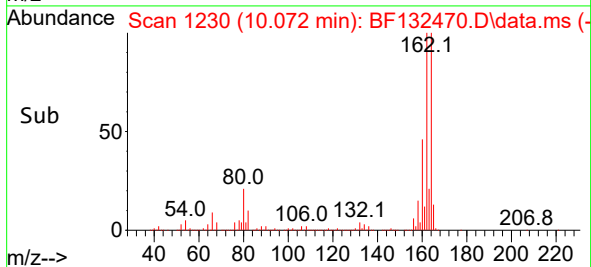
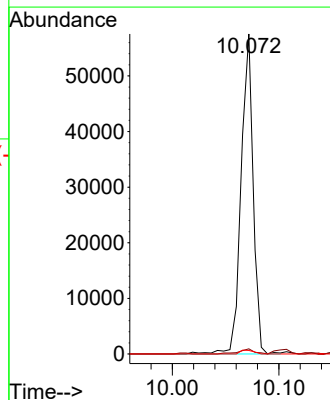
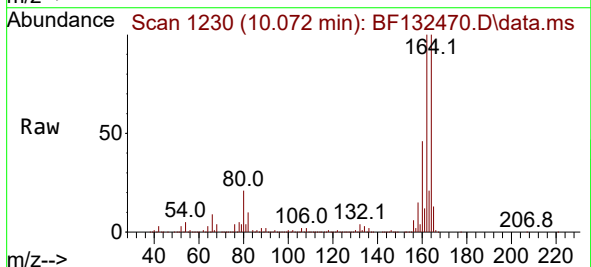
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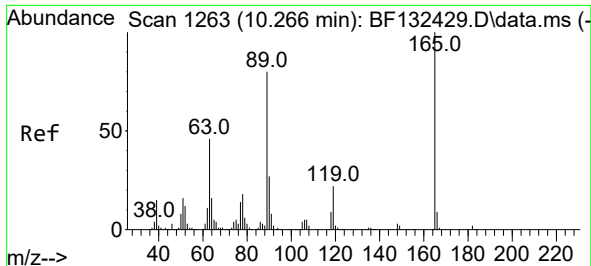
Tgt Ion:172 Resp: 1545884
Ion Ratio Lower Upper
172 100
171 35.6 28.6 42.8
170 24.8 19.9 29.9



#51
2,6-Dinitrotoluene
Concen: 8.245 ng
RT: 10.072 min Scan# 1230
Delta R.T. 0.218 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

Tgt Ion:165 Resp: 45432
Ion Ratio Lower Upper
165 100
63 1.6 50.4 75.6#
89 1.1 52.2 78.2#

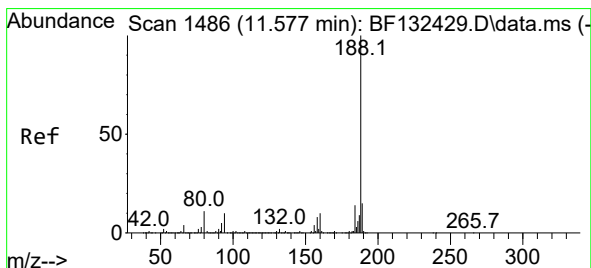
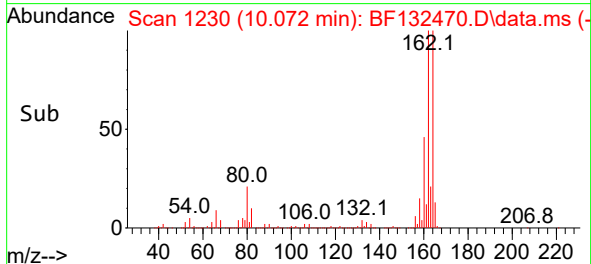
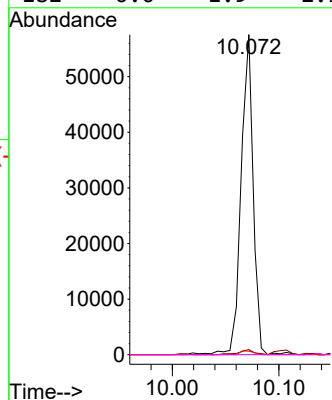
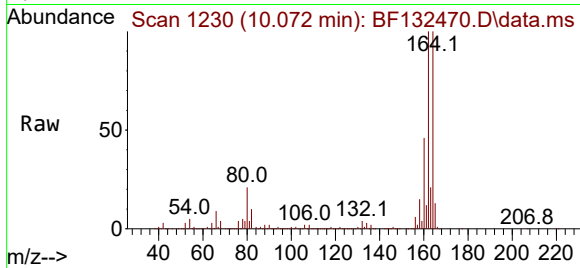




#57
2,4-Dinitrotoluene
Concen: 6.263 ng
RT: 10.072 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

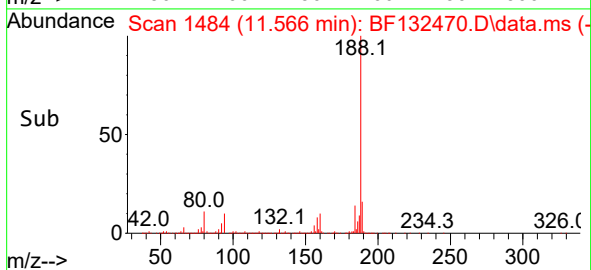
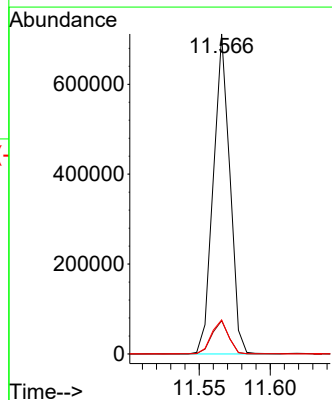
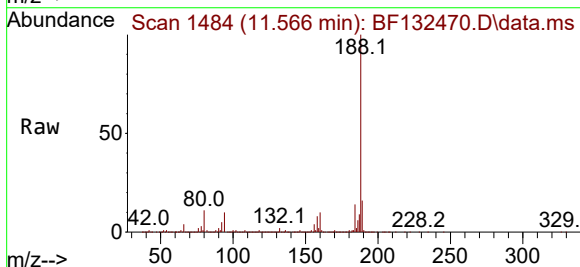
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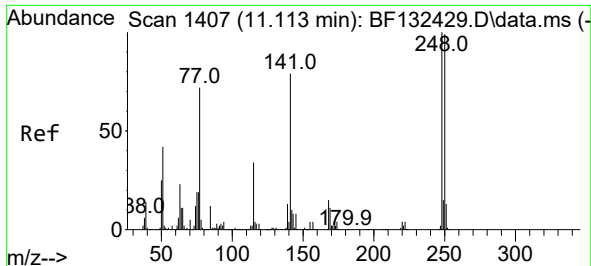
Tgt Ion:165 Resp: 45432
Ion Ratio Lower Upper
165 100
63 1.6 37.1 55.7#
89 1.1 63.6 95.4#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.566 min Scan# 1484
Delta R.T. -0.006 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

Tgt Ion:188 Resp: 576677
Ion Ratio Lower Upper
188 100
94 10.4 8.0 12.0
80 10.6 8.6 12.8

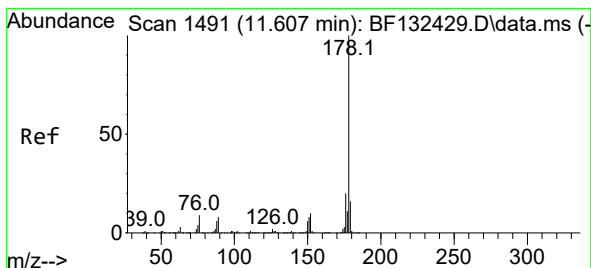
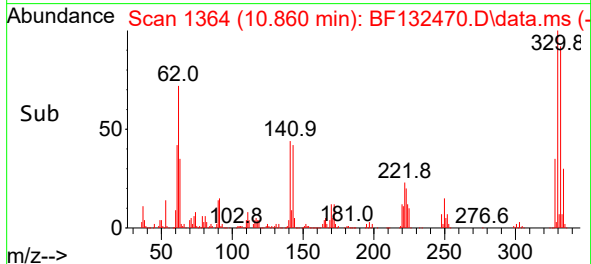
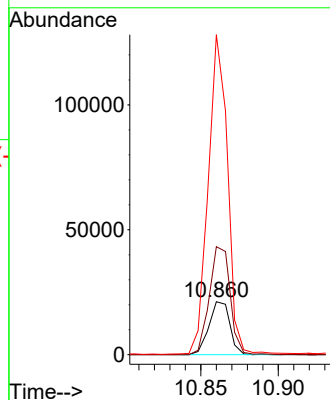
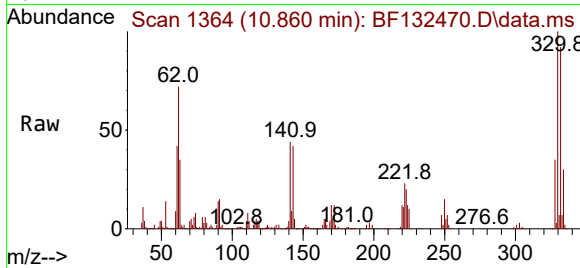




#67
4-Bromophenyl-phenylether
Concen: 3.147 ng
RT: 10.860 min Scan# 11
Delta R.T. -0.247 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

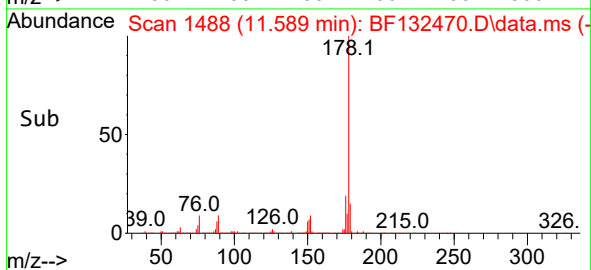
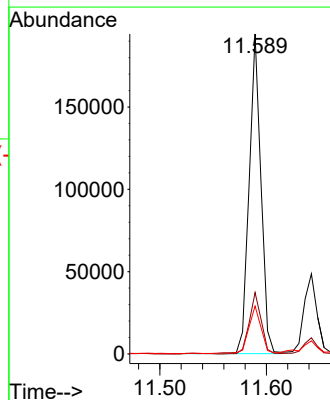
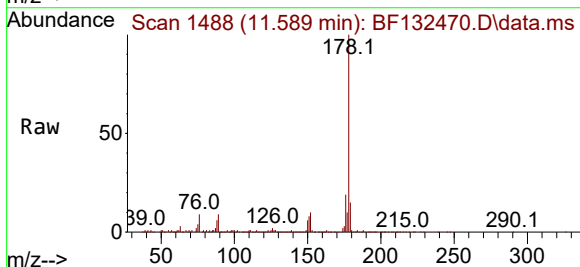
Instrument :
BNA_F
ClientSampleId :
SB-04-0-2.0

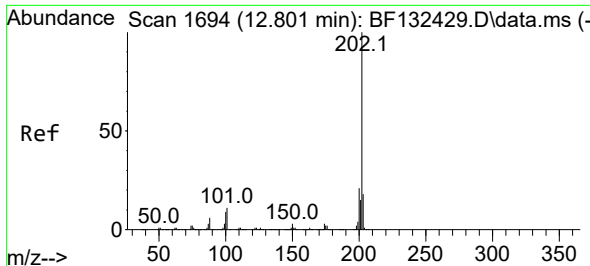
Tgt Ion:248 Resp: 19892
Ion Ratio Lower Upper
248 100
250 203.7 79.0 118.4#
141 603.8 63.3 94.9#



#71
Phenanthrene
Concen: 5.038 ng
RT: 11.589 min Scan# 1488
Delta R.T. -0.006 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

Tgt Ion:178 Resp: 149645
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.2
179 15.0 12.6 18.8

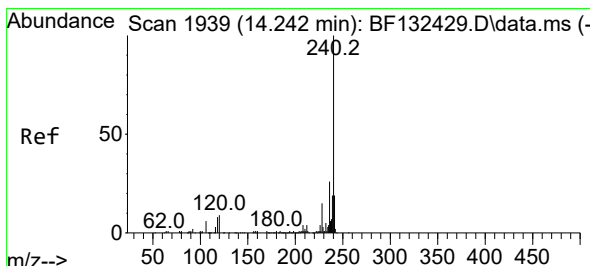
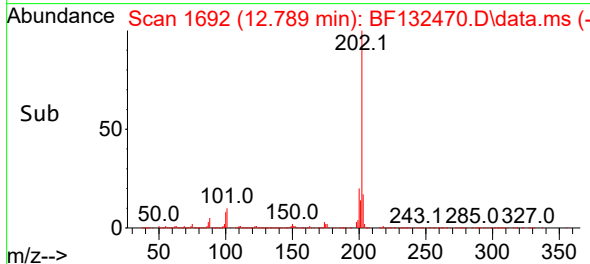
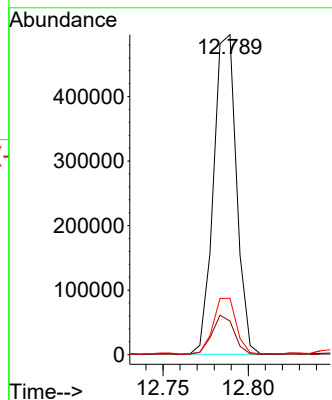
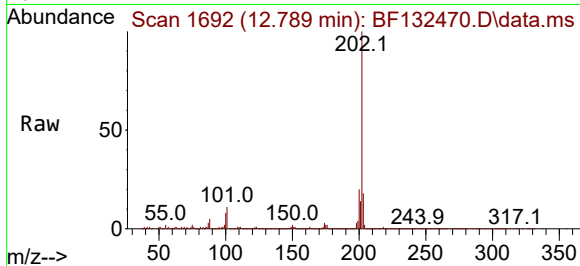




#75
Fluoranthene
Concen: 14.019 ng
RT: 12.789 min Scan# 1692
Delta R.T. -0.006 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

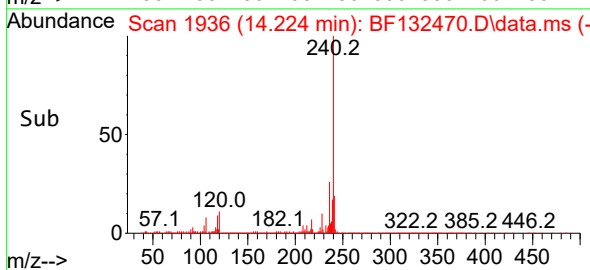
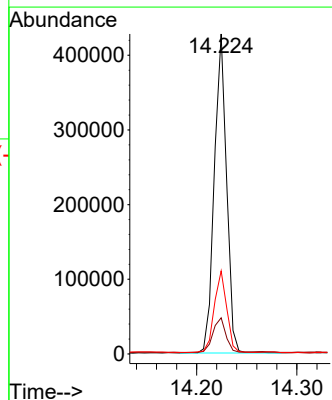
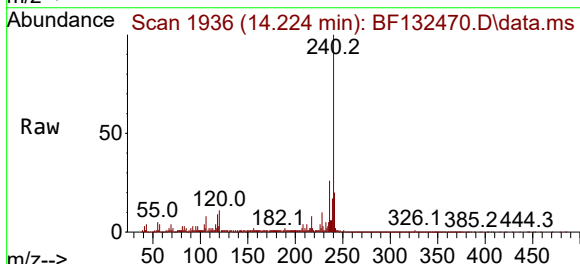
Instrument :
BNA_F
ClientSampleId :
SB-04-0-2.0

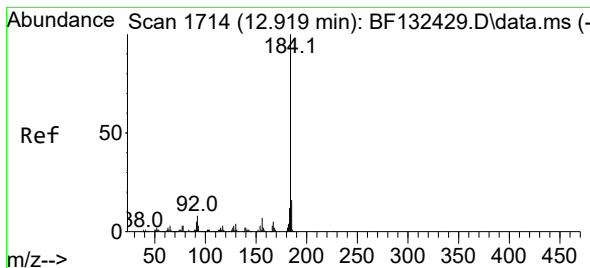
Tgt Ion:202 Resp: 464348
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.3
203 17.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.224 min Scan# 1936
Delta R.T. -0.006 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

Tgt Ion:240 Resp: 363676
Ion Ratio Lower Upper
240 100
120 11.3 7.5 11.3#
236 25.9 21.0 31.6





#77

Benzidine

Concen: 2.753 ng

RT: 13.160 min Scan# 1

Delta R.T. 0.247 min

Lab File: BF132470.D

Acq: 18 Feb 2023 02:01

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

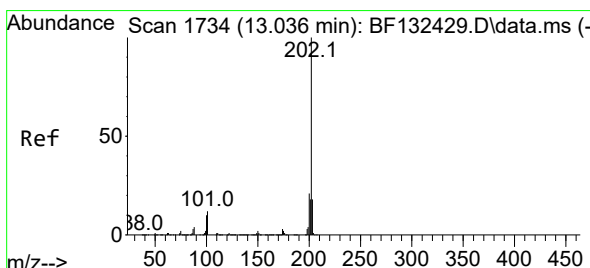
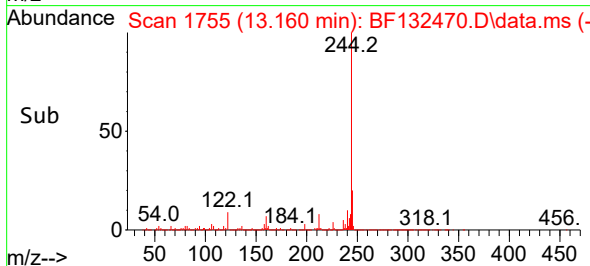
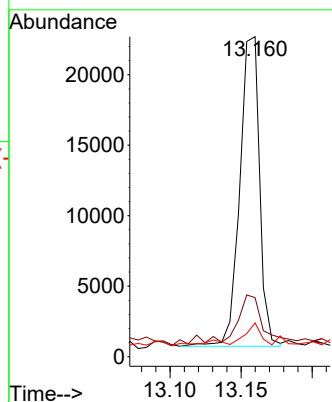
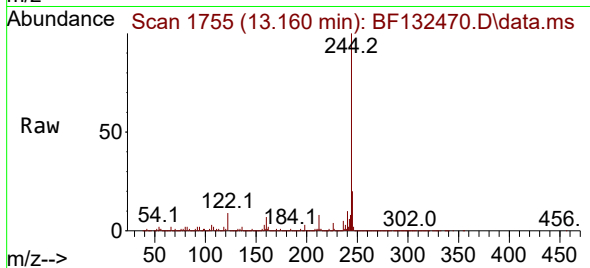
Tgt Ion:184 Resp: 21319

Ion Ratio Lower Upper

184 100

185 18.5 12.4 18.6

183 10.6 9.2 13.8



#78

Pyrene

Concen: 13.920 ng

RT: 13.019 min Scan# 1731

Delta R.T. -0.006 min

Lab File: BF132470.D

Acq: 18 Feb 2023 02:01

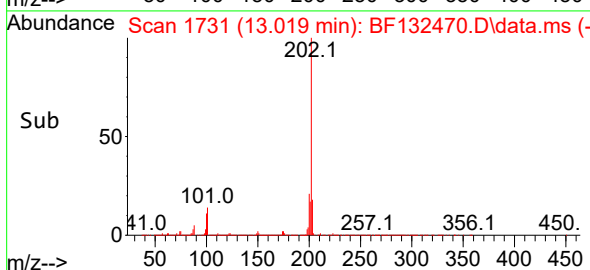
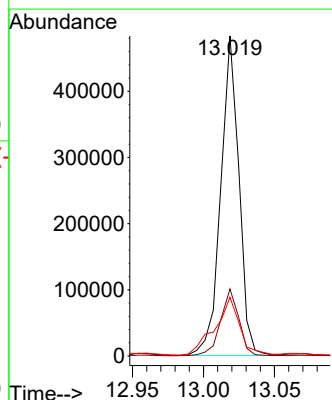
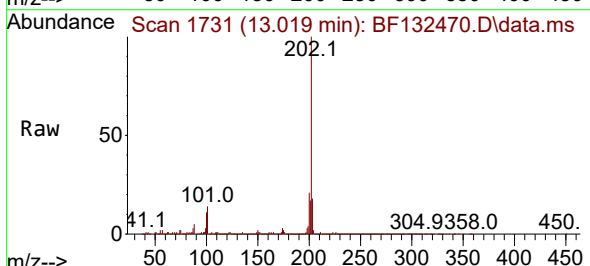
Tgt Ion:202 Resp: 430036

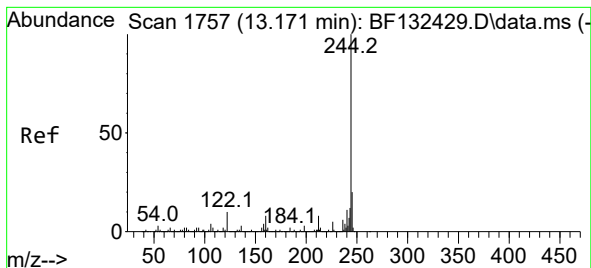
Ion Ratio Lower Upper

202 100

200 20.9 16.6 25.0

203 18.3 14.3 21.5





#79

Terphenyl-d14

Concen: 74.431 ng

RT: 13.160 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF132470.D

Acq: 18 Feb 2023 02:01

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

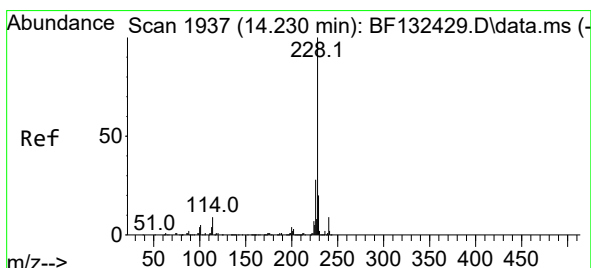
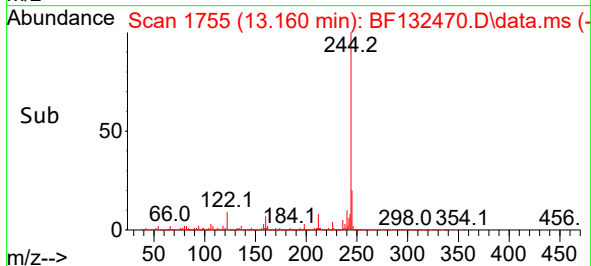
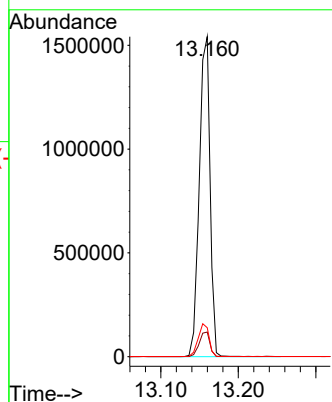
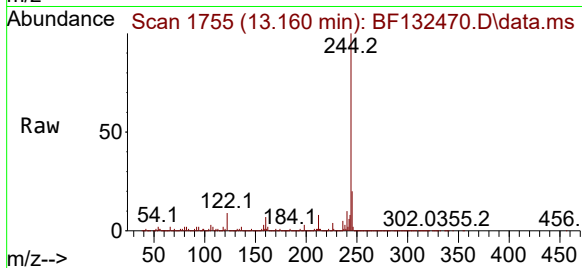
Tgt Ion:244 Resp: 1486309

Ion Ratio Lower Upper

244 100

212 7.7 6.7 10.1

122 9.1 7.7 11.5



#81

Benzo(a)anthracene

Concen: 8.824 ng

RT: 14.213 min Scan# 1934

Delta R.T. -0.006 min

Lab File: BF132470.D

Acq: 18 Feb 2023 02:01

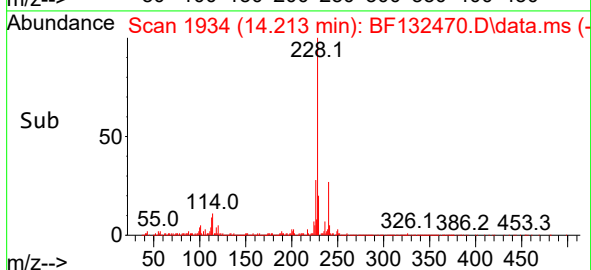
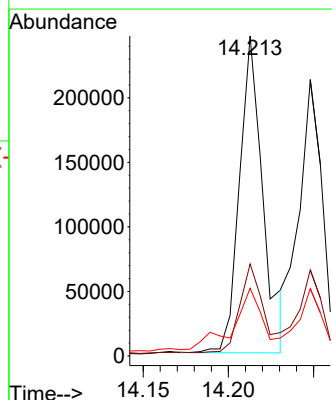
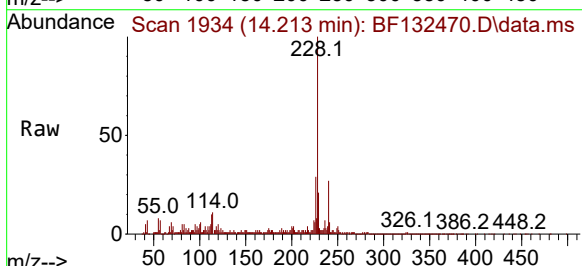
Tgt Ion:228 Resp: 235044

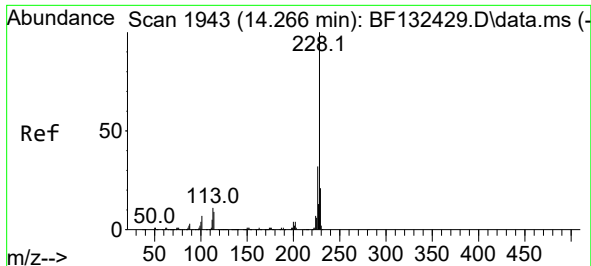
Ion Ratio Lower Upper

228 100

226 28.8 22.6 34.0

229 21.2 16.2 24.4

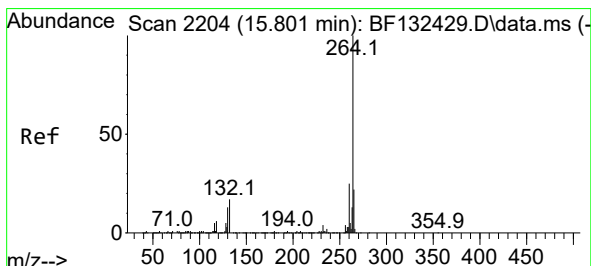
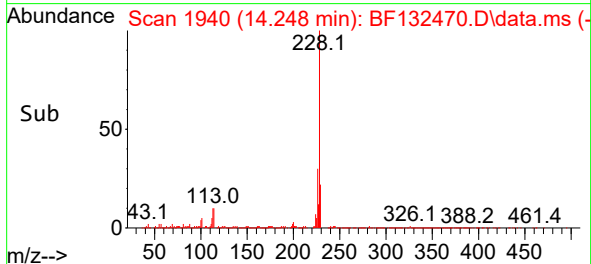
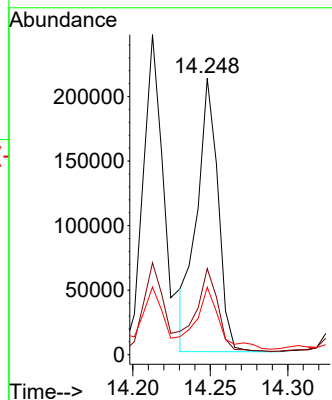
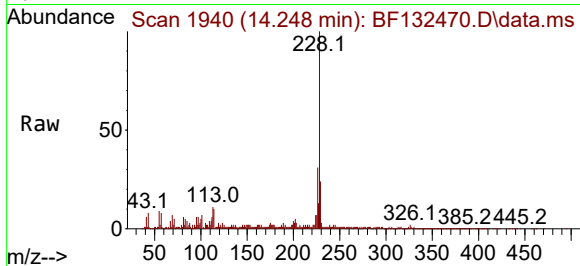




#83
Chrysene
Concen: 7.959 ng
RT: 14.248 min Scan# 1943
Delta R.T. -0.012 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

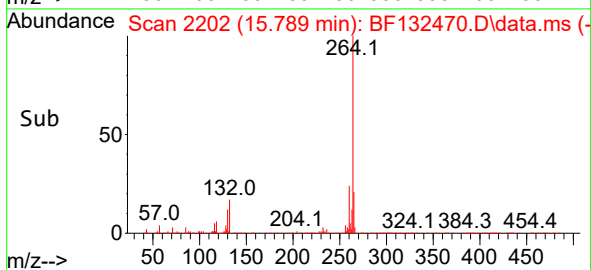
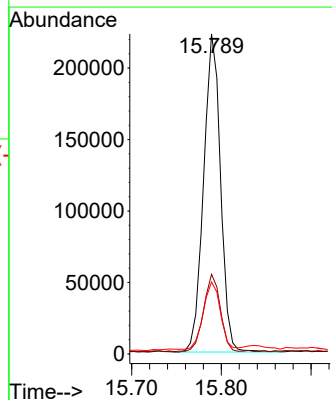
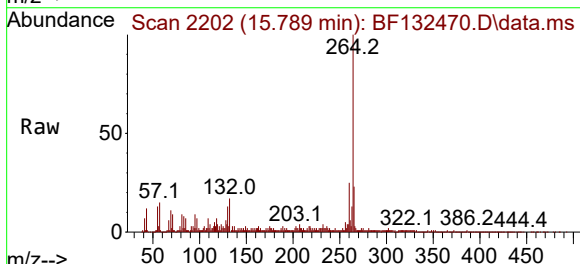
Instrument :
BNA_F
ClientSampleId :
SB-04-0-2.0

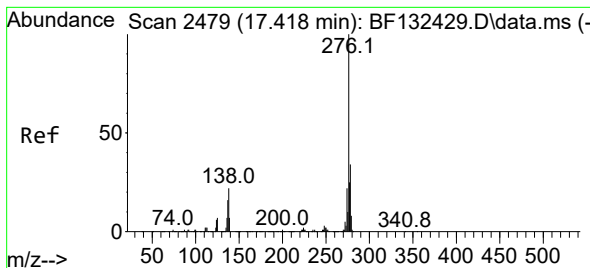
Tgt Ion:228 Resp: 202562
Ion Ratio Lower Upper
228 100
226 31.1 25.4 38.2
229 24.4 16.6 25.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.789 min Scan# 2202
Delta R.T. 0.006 min
Lab File: BF132470.D
Acq: 18 Feb 2023 02:01

Tgt Ion:264 Resp: 292206
Ion Ratio Lower Upper
264 100
260 24.9 20.0 30.0
265 22.5 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.967 ng

RT: 17.401 min Scan# 2479

Delta R.T. 0.000 min

Lab File: BF132470.D

Acq: 18 Feb 2023 02:01

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

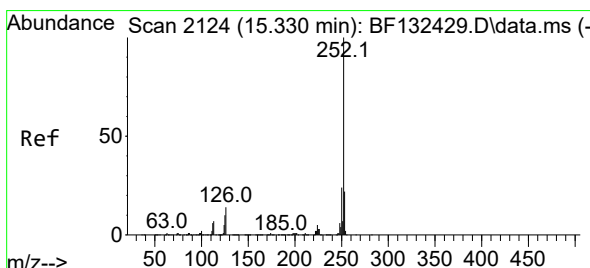
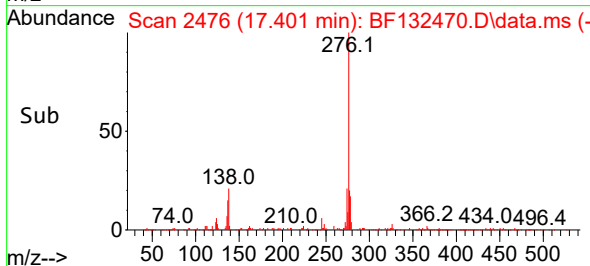
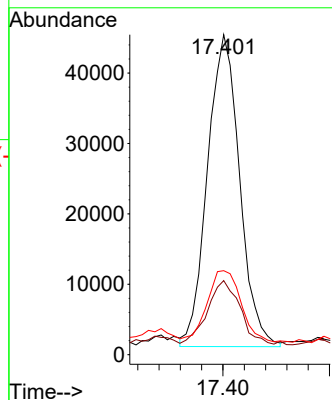
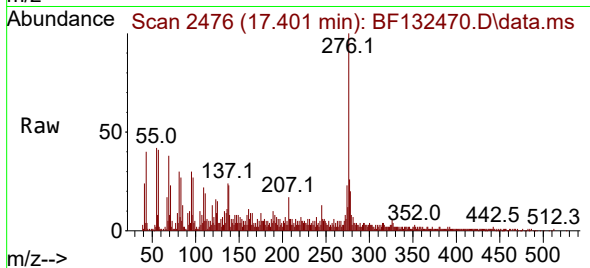
Tgt Ion:276 Resp: 92774

Ion Ratio Lower Upper

276 100

138 20.4 20.2 30.4

277 24.8 20.0 30.0



#88

Benzo(b)fluoranthene

Concen: 16.423 ng

RT: 15.319 min Scan# 2122

Delta R.T. 0.000 min

Lab File: BF132470.D

Acq: 18 Feb 2023 02:01

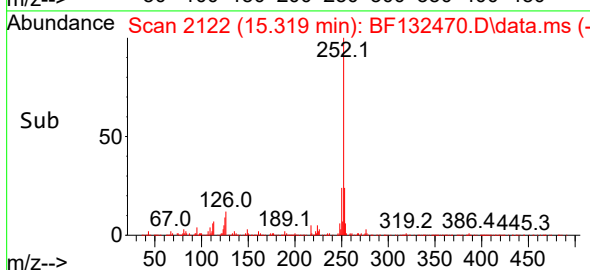
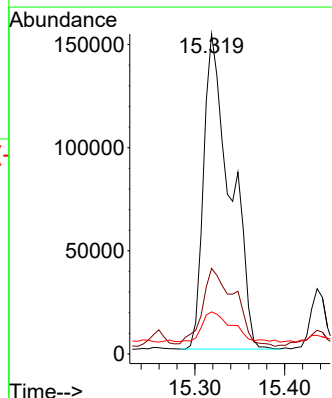
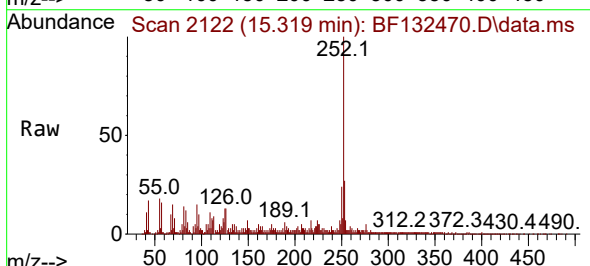
Tgt Ion:252 Resp: 315588

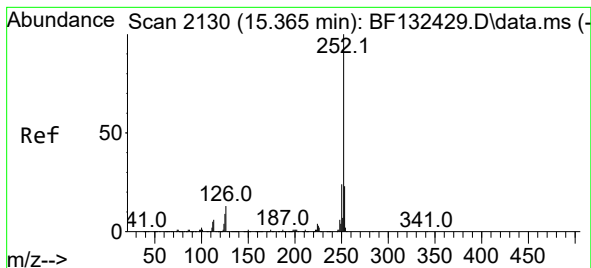
Ion Ratio Lower Upper

252 100

253 26.7 17.8 26.8

125 13.1 7.6 11.4#





#89

Benzo(k)fluoranthene

Concen: 16.412 ng

RT: 15.319 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF132470.D

Acq: 18 Feb 2023 02:01

Instrument :

BNA_F

ClientSampleId :

SB-04-0-2.0

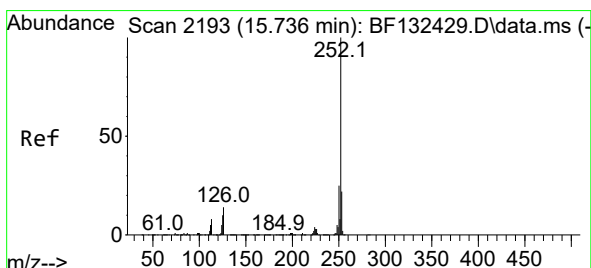
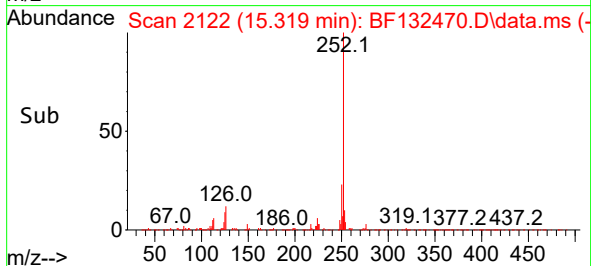
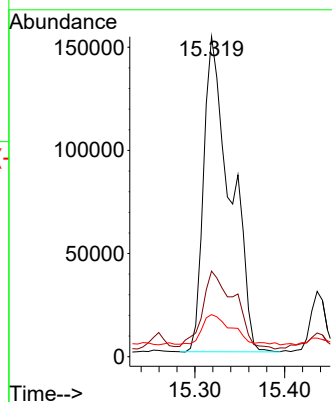
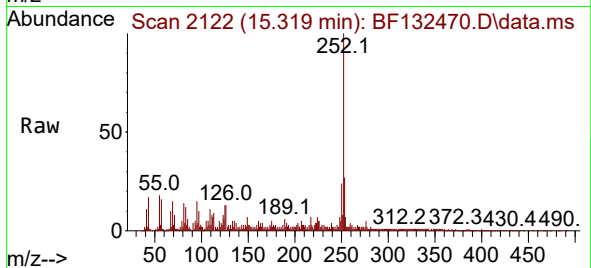
Tgt Ion:252 Resp: 315588

Ion Ratio Lower Upper

252 100

253 26.7 18.2 27.2

125 13.1 7.5 11.3#



#90

Benzo(a)pyrene

Concen: 8.855 ng

RT: 15.719 min Scan# 2190

Delta R.T. 0.000 min

Lab File: BF132470.D

Acq: 18 Feb 2023 02:01

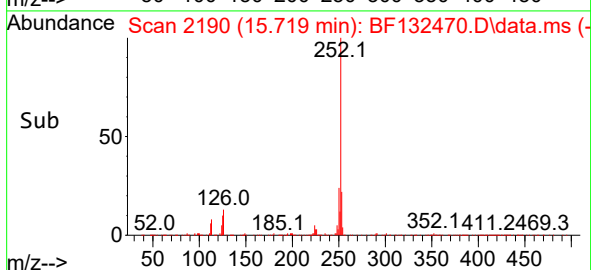
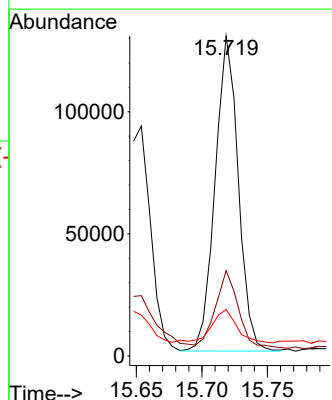
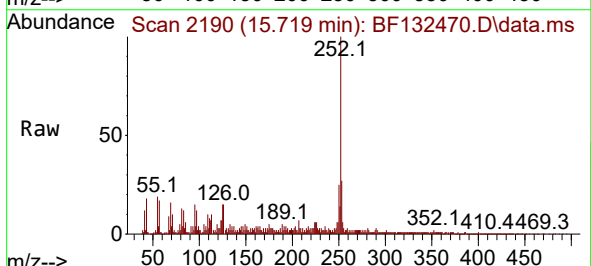
Tgt Ion:252 Resp: 158130

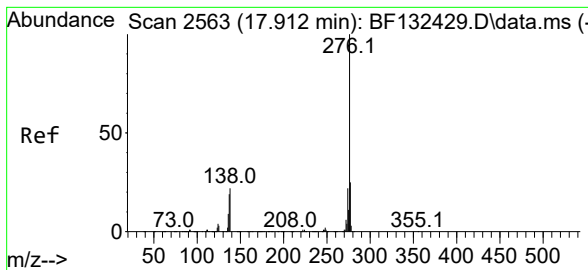
Ion Ratio Lower Upper

252 100

253 26.6 17.6 26.4#

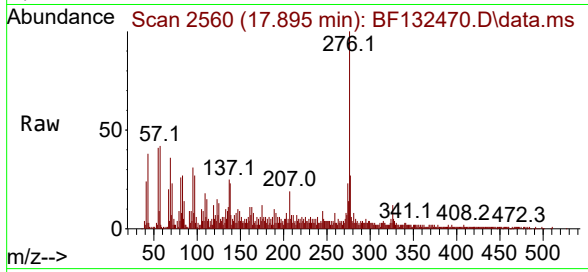
125 14.5 8.2 12.4#





#92
 Benzo(g,h,i)perylene
 Concen: 5.663 ng
 RT: 17.895 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF132470.D
 Acq: 18 Feb 2023 02:01

Instrument :
 BNA_F
 ClientSampleId :
 SB-04-0-2.0



Tgt Ion:	276	Resp:	89470
Ion Ratio	Lower	Upper	
276	100		
277	27.1	19.6	29.4
138	22.6	17.7	26.5

