

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031523\
 Data File : BF132808.D
 Acq On : 15 Mar 2023 17:49
 Operator : CG\JU
 Sample : 01905-01DL 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 UNION-1DL

Quant Time: Mar 16 05:46:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 14 15:35:42 2023
 Response via : Initial Calibration

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

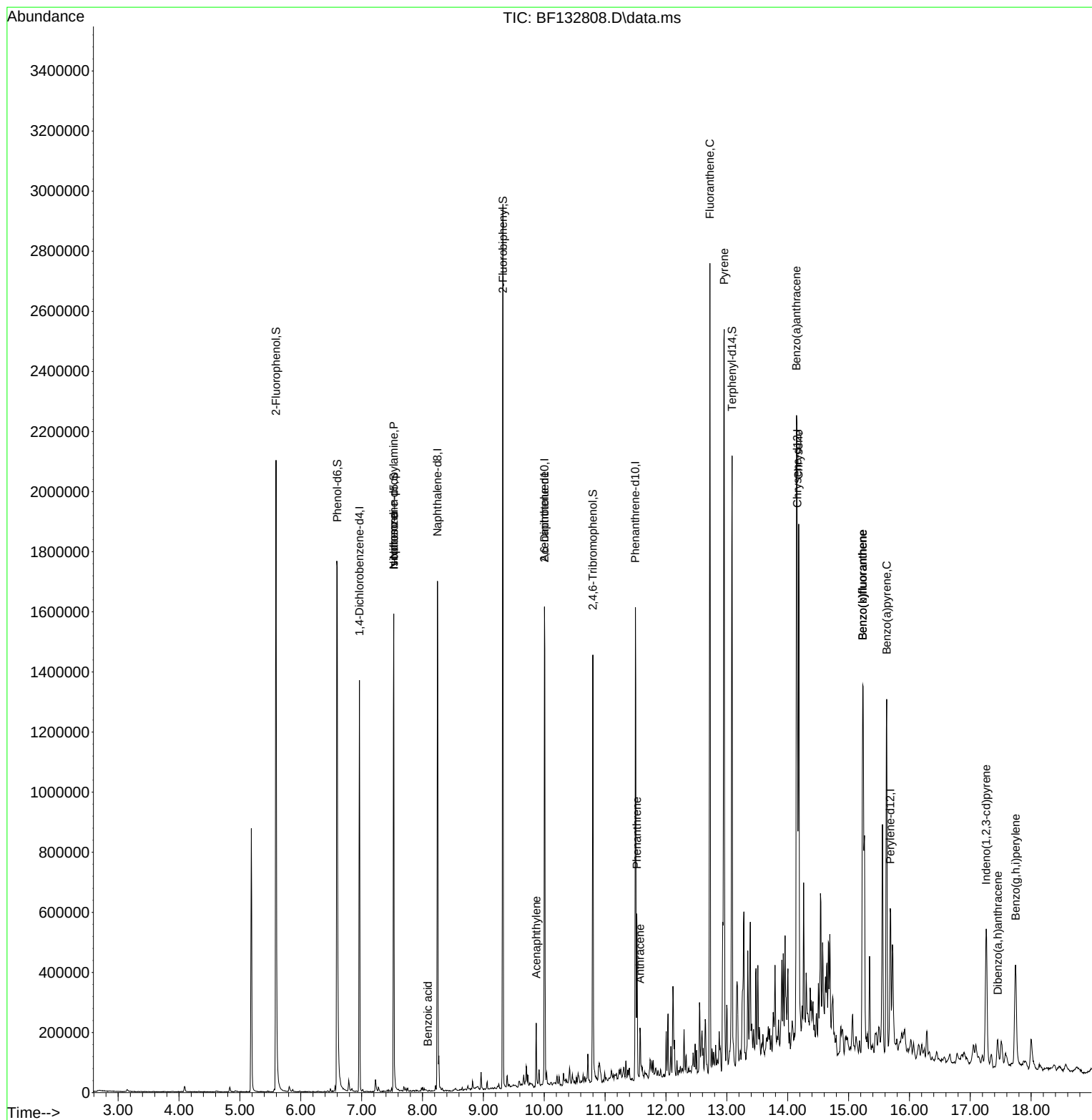
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	191926	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	715117	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	342751	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	610981	20.000	ng	0.00
76) Chrysene-d12	14.157	240	353661	20.000	ng	# 0.00
86) Perylene-d12	15.686	264	244728	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	666212	56.336	ng	0.00
7) Phenol-d6	6.598	99	855352	55.422	ng	0.00
23) Nitrobenzene-d5	7.528	82	500535	33.208	ng	-0.01
42) 2,4,6-Tribromophenol	10.798	330	169467	45.783	ng	-0.01
45) 2-Fluorobiphenyl	9.322	172	864732	38.415	ng	0.00
79) Terphenyl-d14	13.086	244	702100	33.565	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.528	70	64098	6.748	ng	# 75
25) Isophorone	7.528	82	500530	17.321	ng	# 67
32) Benzoic acid	8.087	122	329	3.870	ng	# 80
49) Acenaphthylene	9.869	152	79618	2.432	ng	96
51) 2,6-Dinitrotoluene	10.004	165	44907	7.901	ng	# 22
71) Phenanthrene	11.522	178	200629	6.339	ng	97
72) Anthracene	11.575	178	72088	2.212	ng	97
75) Fluoranthene	12.722	202	1046117	30.233	ng	100
78) Pyrene	12.957	202	1127371	35.062	ng	99
81) Benzo(a)anthracene	14.145	228	793286	29.979	ng	95
83) Chrysene	14.180	228	681144	27.527	ng	98
87) Indeno(1,2,3-cd)pyrene	17.263	276	325758	20.315	ng	# 94
88) Benzo(b)fluoranthene	15.233	252	1106646	67.477	ng	98
89) Benzo(k)fluoranthene	15.233	252	1106646	68.946	ng	99
90) Benzo(a)pyrene	15.627	252	607161	39.556	ng	97
91) Dibenzo(a,h)anthracene	17.451	278	64200	4.914	ng	96
92) Benzo(g,h,i)perylene	17.745	276	301754	21.364	ng	96

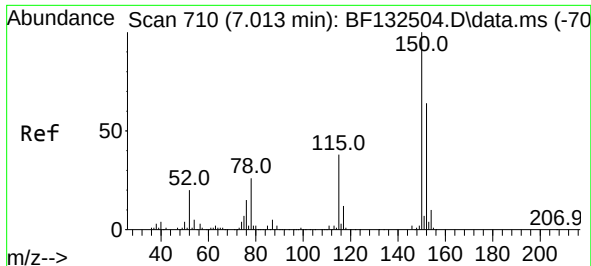
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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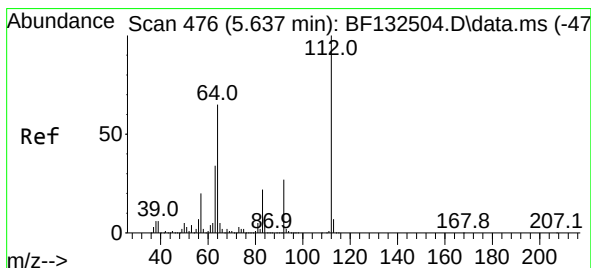
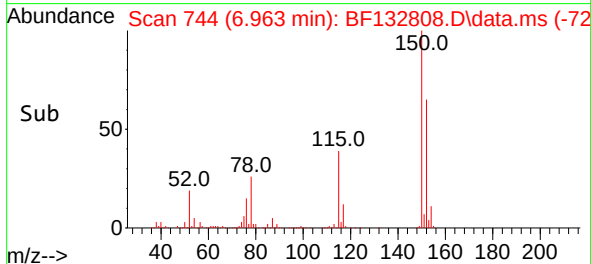
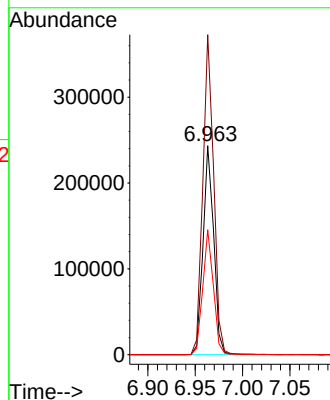
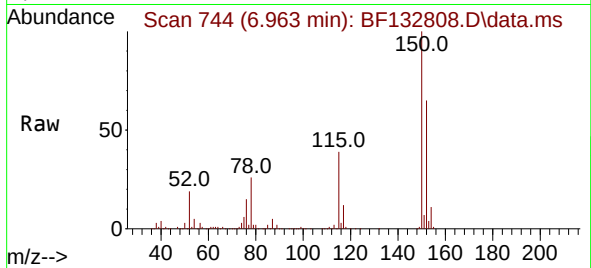




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF132808.D
Acq: 15 Mar 2023 17:49

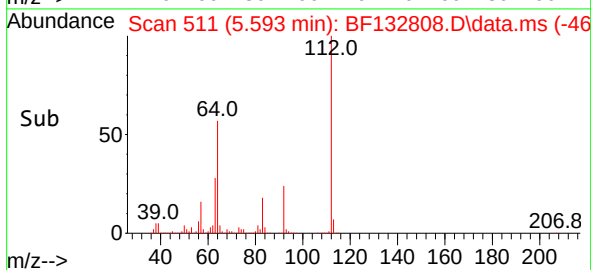
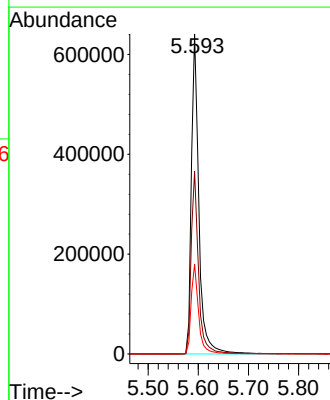
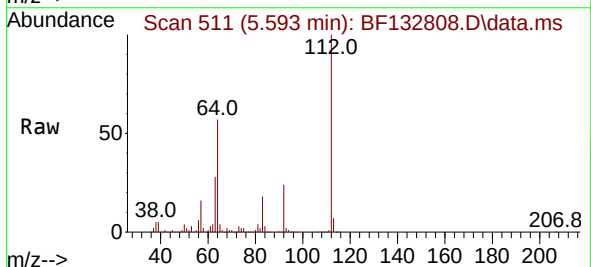
Instrument :
BNA_F
ClientSampleId :
UNION-1DL

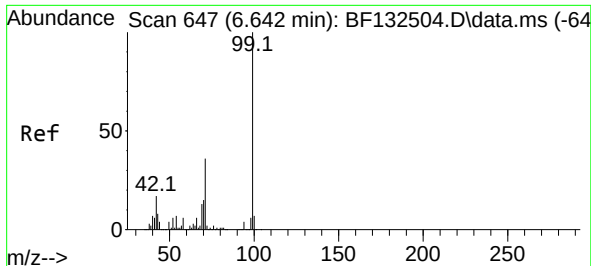
Tgt Ion:152 Resp: 191926
Ion Ratio Lower Upper
152 100
150 153.2 125.4 188.2
115 59.8 47.8 71.6



#5
2-Fluorophenol
Concen: 56.336 ng
RT: 5.593 min Scan# 511
Delta R.T. 0.000 min
Lab File: BF132808.D
Acq: 15 Mar 2023 17:49

Tgt Ion:112 Resp: 666212
Ion Ratio Lower Upper
112 100
64 57.1 51.6 77.4
63 28.1 27.4 41.2

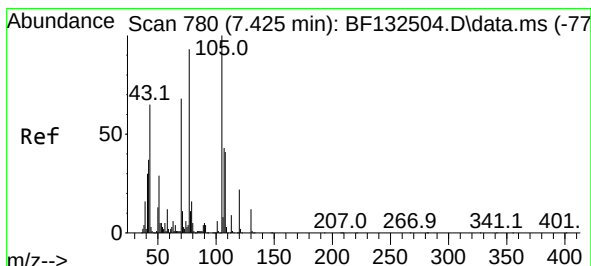
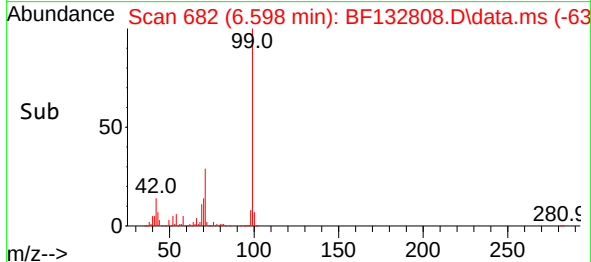
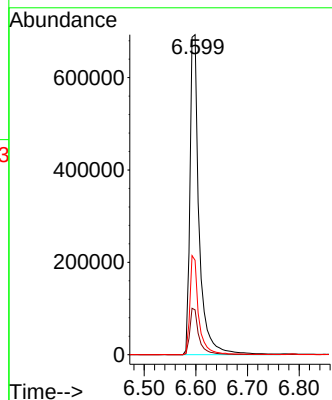
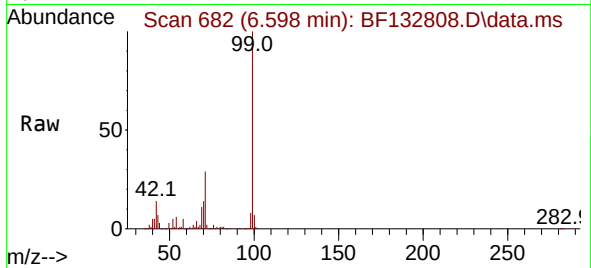




#7
Phenol-d6
Concen: 55.422 ng
RT: 6.598 min Scan# 64
Delta R.T. -0.006 min
Lab File: BF132808.D
Acq: 15 Mar 2023 17:49

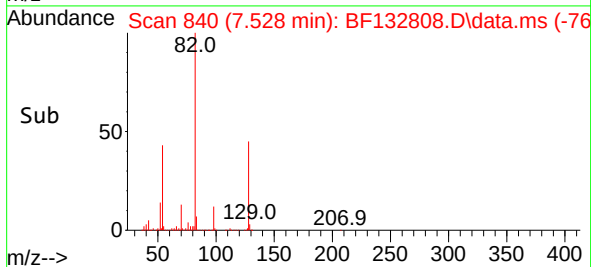
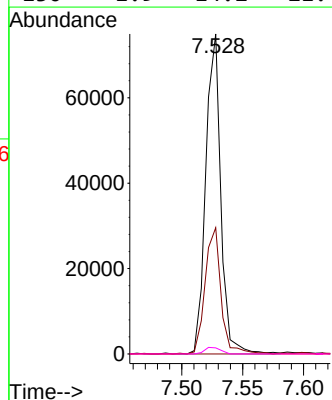
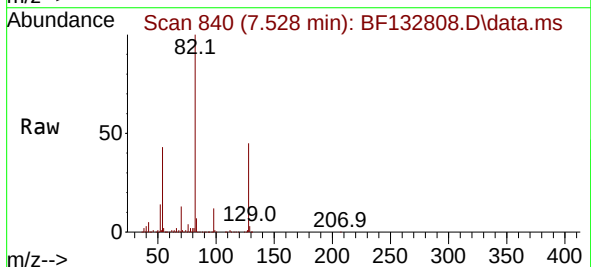
Instrument :
BNA_F
ClientSampleId :
UNION-1DL

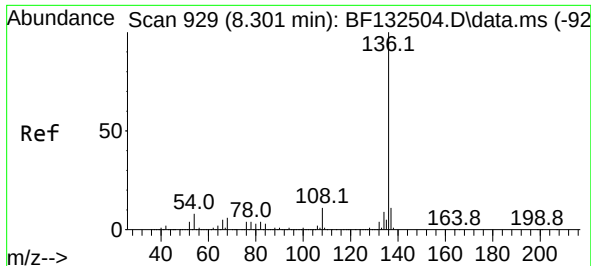
Tgt Ion: 99 Resp: 855352
Ion Ratio Lower Upper
99 100
42 14.0 13.9 20.9
71 29.5 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 6.748 ng
RT: 7.528 min Scan# 840
Delta R.T. 0.147 min
Lab File: BF132808.D
Acq: 15 Mar 2023 17:49

Tgt Ion: 70 Resp: 64098
Ion Ratio Lower Upper
70 100
42 39.5 44.1 66.1#
101 0.0 7.4 11.2#
130 1.9 14.2 21.4#

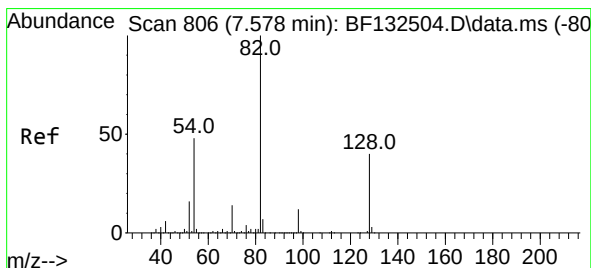
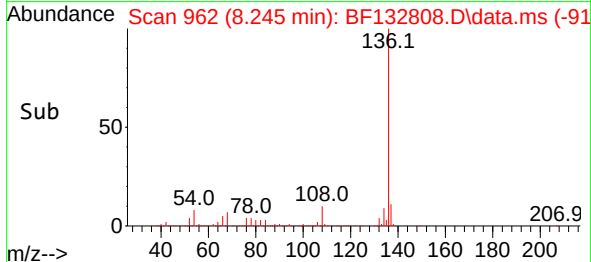
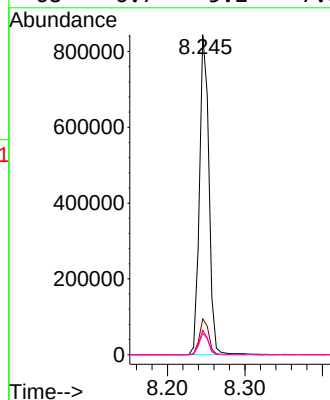
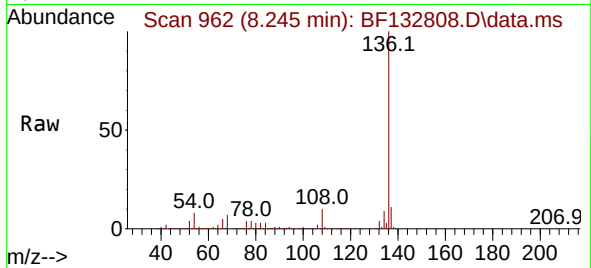




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132808.D
Acq: 15 Mar 2023 17:49

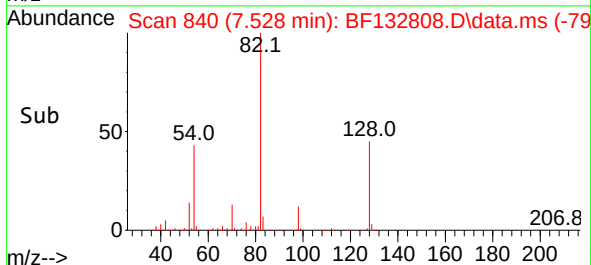
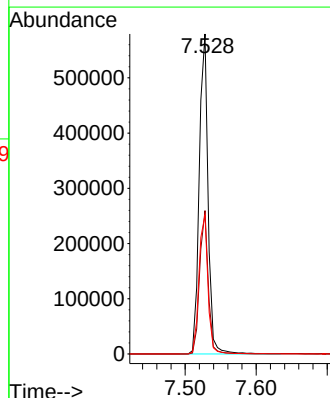
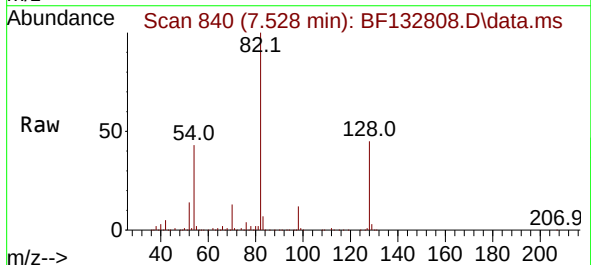
Instrument :
BNA_F
ClientSampleId :
UNION-1DL

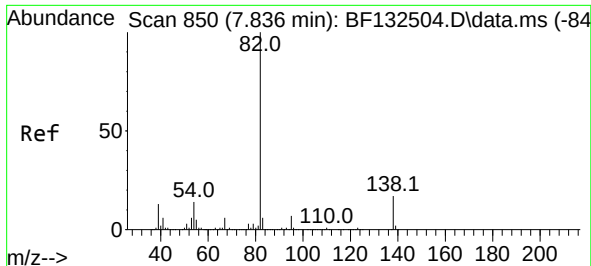
Tgt Ion:136 Resp: 715117
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 7.6 6.2 9.4
68 6.7 5.2 7.8



#23
Nitrobenzene-d5
Concen: 33.208 ng
RT: 7.528 min Scan# 840
Delta R.T. -0.012 min
Lab File: BF132808.D
Acq: 15 Mar 2023 17:49

Tgt Ion: 82 Resp: 500535
Ion Ratio Lower Upper
82 100
128 44.8 32.2 48.2
54 43.4 38.4 57.6

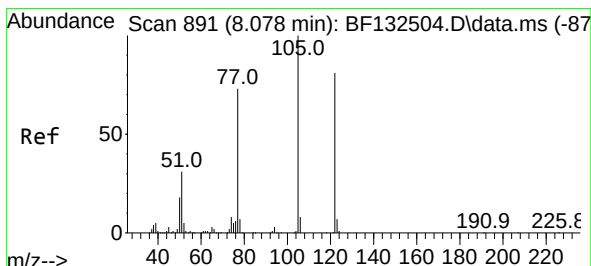
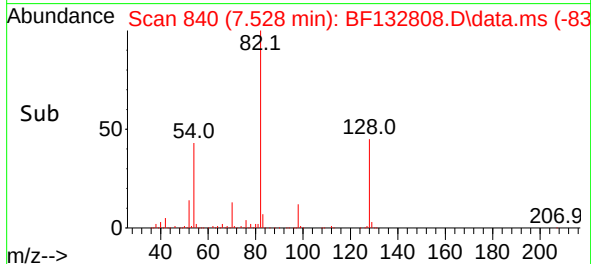
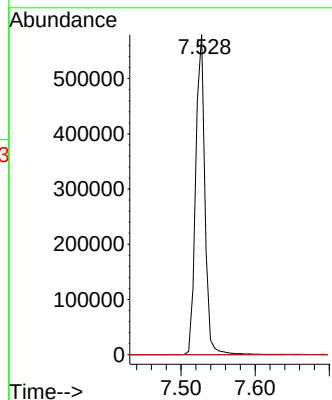
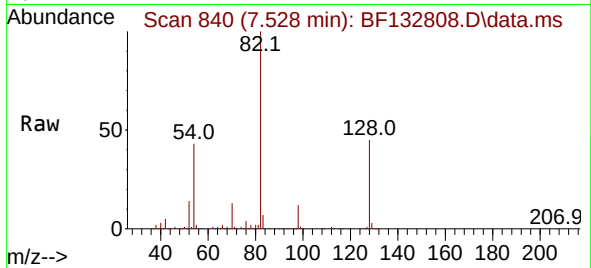




#25
Isophorone
Concen: 17.321 ng
RT: 7.528 min Scan# 84
Delta R.T. -0.265 min
Lab File: BF132808.D
Acq: 15 Mar 2023 17:49

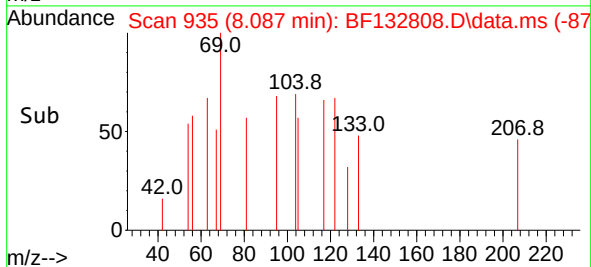
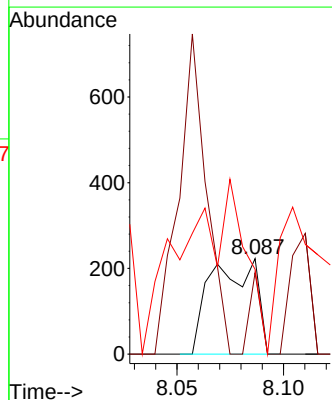
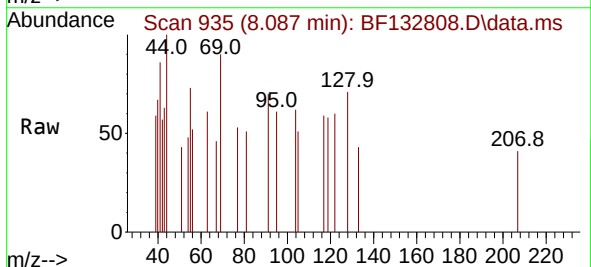
Instrument :
BNA_F
ClientSampleId :
UNION-1DL

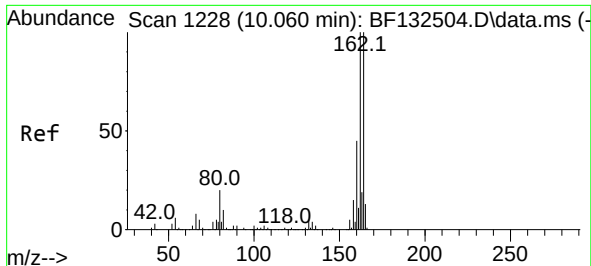
Tgt Ion: 82 Resp: 500530
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.870 ng
RT: 8.087 min Scan# 935
Delta R.T. 0.053 min
Lab File: BF132808.D
Acq: 15 Mar 2023 17:49

Tgt Ion: 122 Resp: 329
Ion Ratio Lower Upper
122 100
105 85.2 102.6 142.6#
77 88.8 70.2 110.2

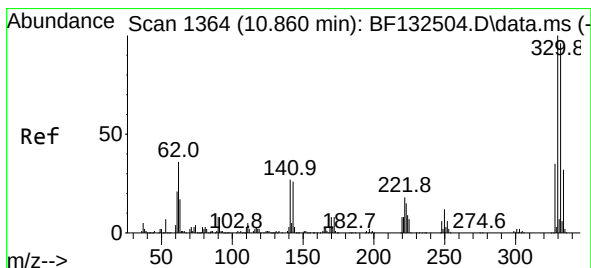
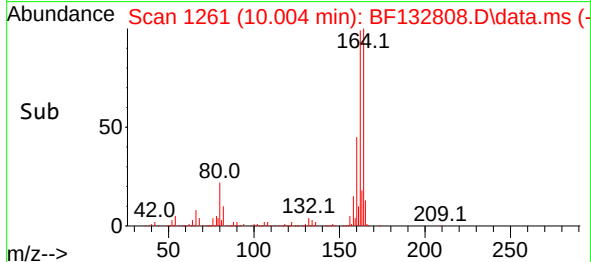
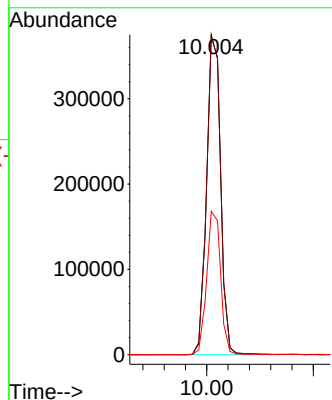
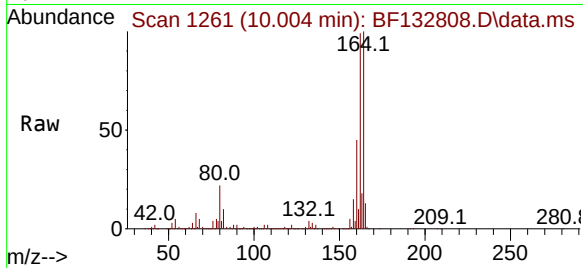




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132808.D
Acq: 15 Mar 2023 17:49

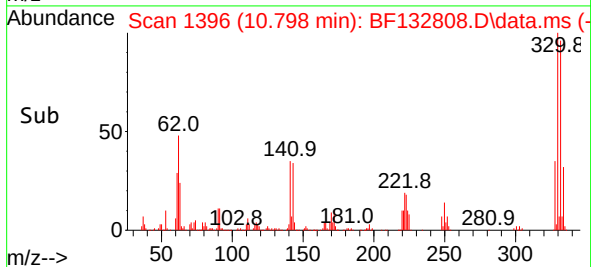
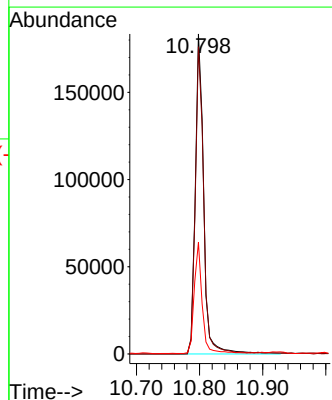
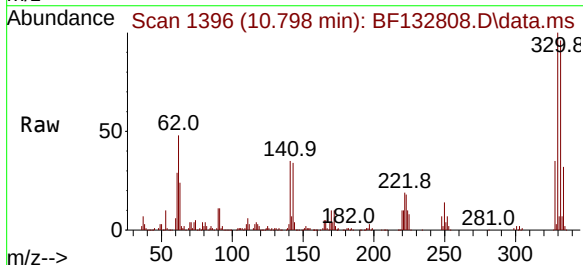
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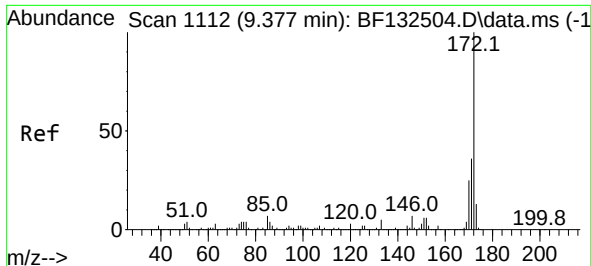
Tgt Ion:164 Resp: 342751
Ion Ratio Lower Upper
164 100
162 99.2 79.8 119.8
160 44.8 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 45.783 ng
RT: 10.798 min Scan# 1396
Delta R.T. -0.012 min
Lab File: BF132808.D
Acq: 15 Mar 2023 17:49

Tgt Ion:330 Resp: 169467
Ion Ratio Lower Upper
330 100
332 95.4 76.2 114.4
141 33.0 28.4 42.6

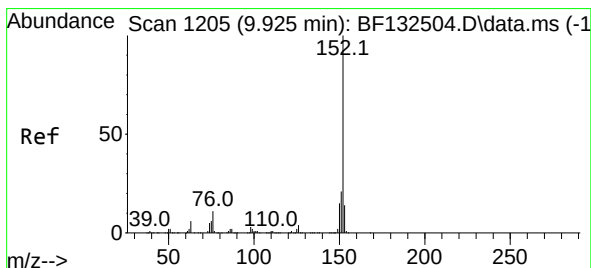
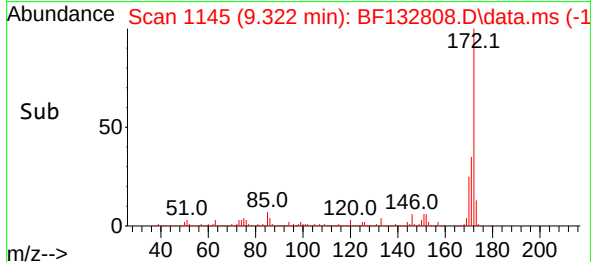
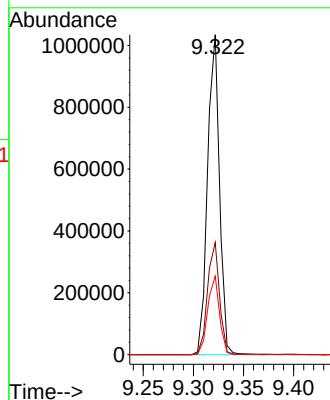
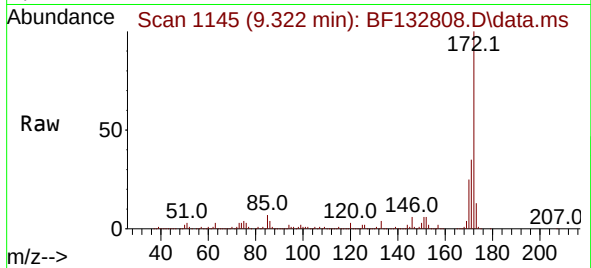




#45
2-Fluorobiphenyl
Concen: 38.415 ng
RT: 9.322 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF132808.D
Acq: 15 Mar 2023 17:49

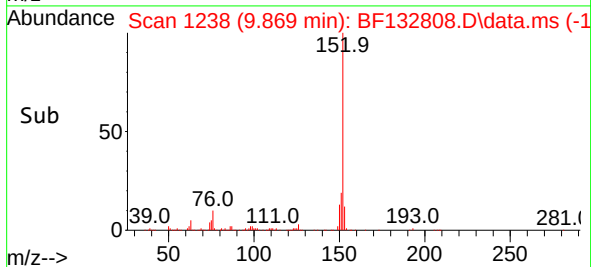
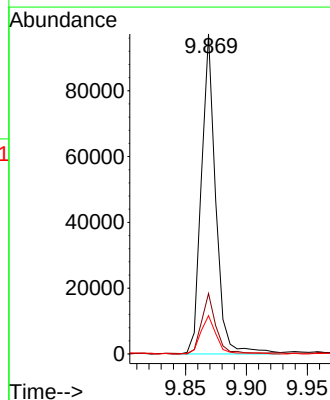
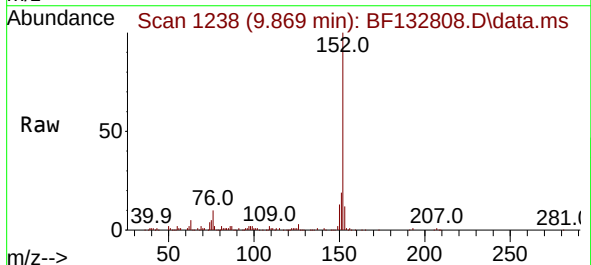
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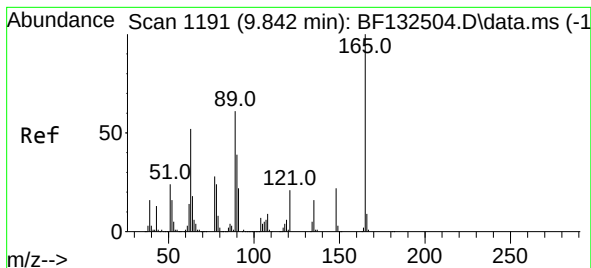
Tgt Ion:172 Resp: 864732
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 24.5 19.7 29.5



#49
Acenaphthylene
Concen: 2.432 ng
RT: 9.869 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF132808.D
Acq: 15 Mar 2023 17:49

Tgt Ion:152 Resp: 79618
Ion Ratio Lower Upper
152 100
151 18.9 16.4 24.6
153 11.9 11.0 16.6





#51

2,6-Dinitrotoluene

Concen: 7.901 ng

RT: 10.004 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF132808.D

Acq: 15 Mar 2023 17:49

Instrument :

BNA_F

ClientSampleId :

UNION-1DL

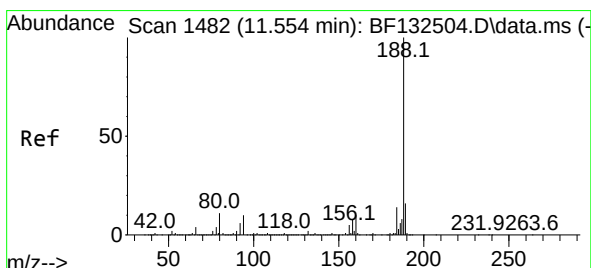
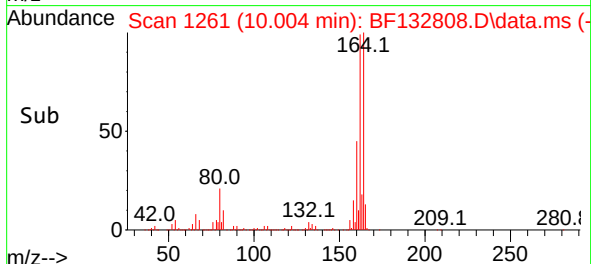
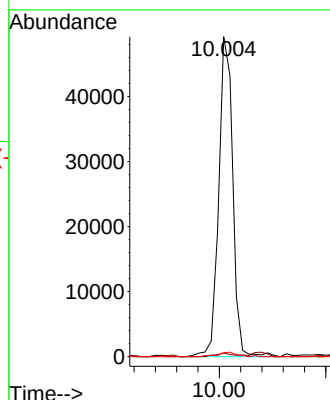
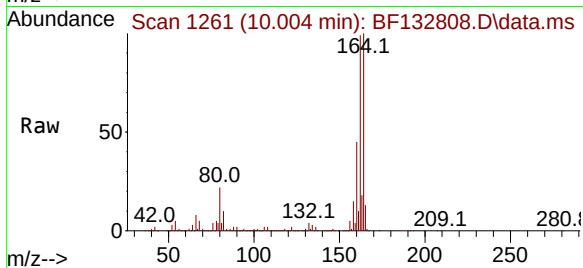
Tgt Ion:165 Resp: 44907

Ion Ratio Lower Upper

165 100

63 1.2 47.3 70.9#

89 1.3 48.9 73.3#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.498 min Scan# 1515

Delta R.T. -0.006 min

Lab File: BF132808.D

Acq: 15 Mar 2023 17:49

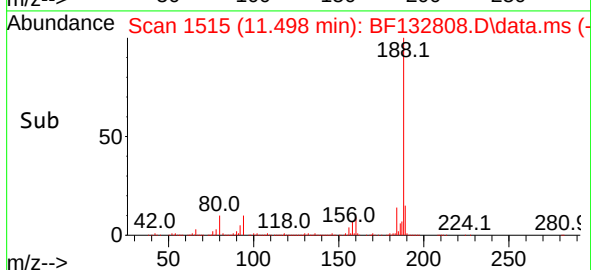
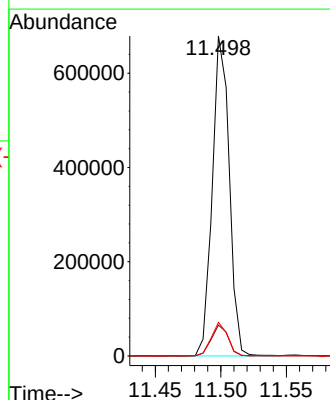
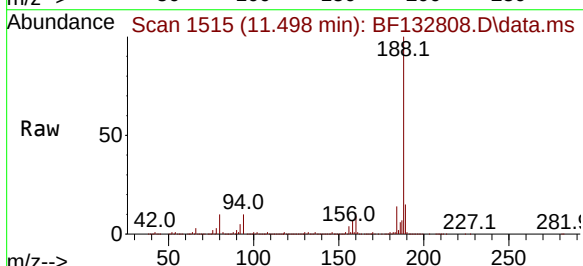
Tgt Ion:188 Resp: 610981

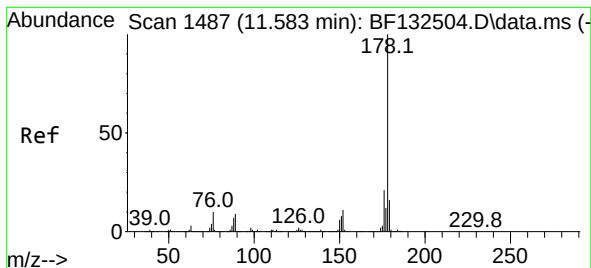
Ion Ratio Lower Upper

188 100

94 9.7 8.3 12.5

80 10.5 8.7 13.1





#71

Phenanthrene

Concen: 6.339 ng

RT: 11.522 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF132808.D

Acq: 15 Mar 2023 17:49

Instrument :

BNA_F

ClientSampleId :

UNION-1DL

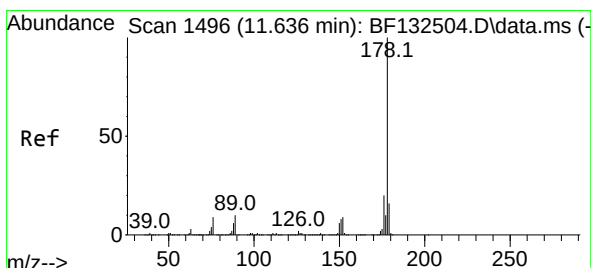
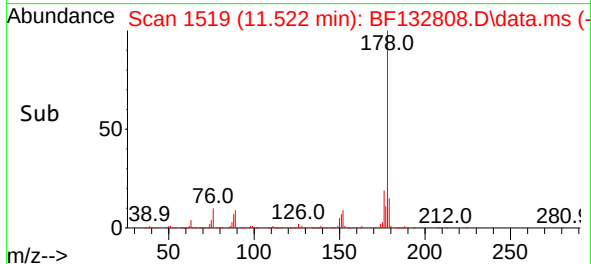
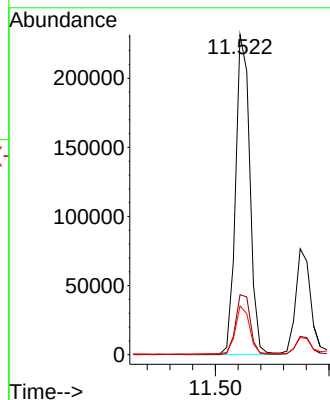
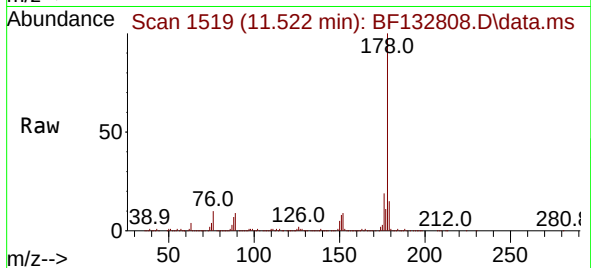
Tgt Ion:178 Resp: 200629

Ion Ratio Lower Upper

178 100

176 18.7 16.5 24.7

179 15.3 13.0 19.6



#72

Anthracene

Concen: 2.212 ng

RT: 11.575 min Scan# 1528

Delta R.T. -0.012 min

Lab File: BF132808.D

Acq: 15 Mar 2023 17:49

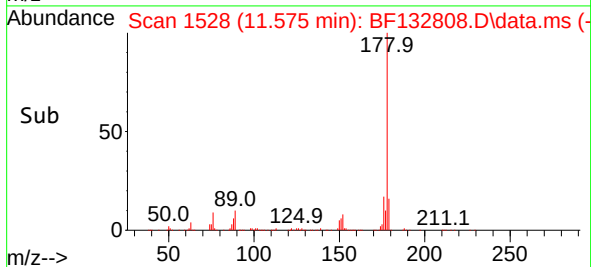
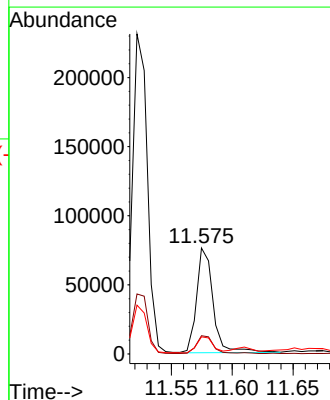
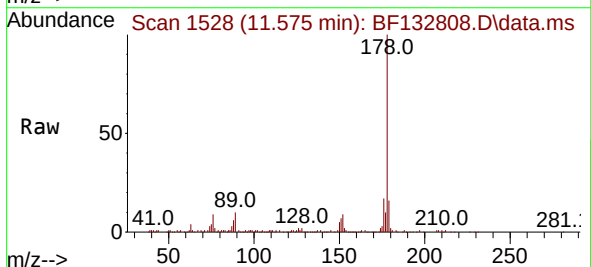
Tgt Ion:178 Resp: 72088

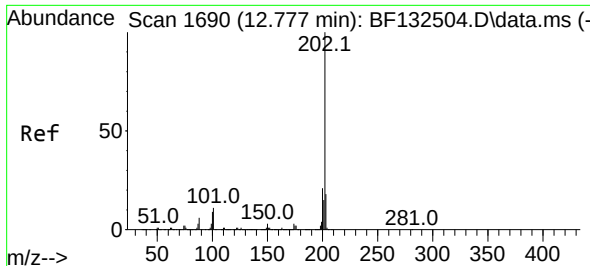
Ion Ratio Lower Upper

178 100

176 17.2 15.6 23.4

179 16.2 12.5 18.7

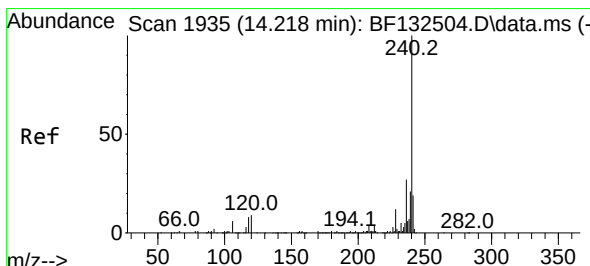
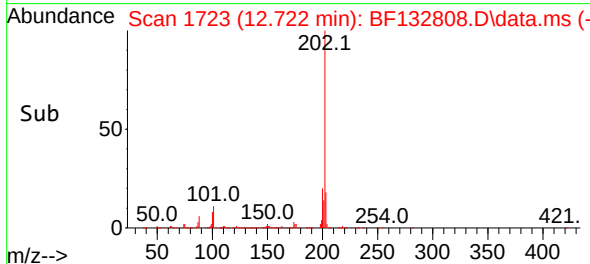
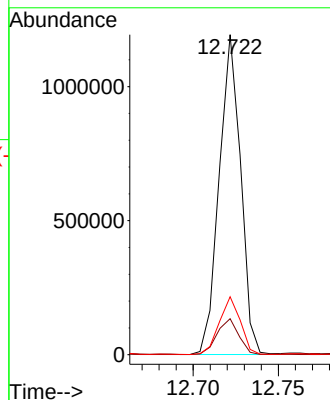
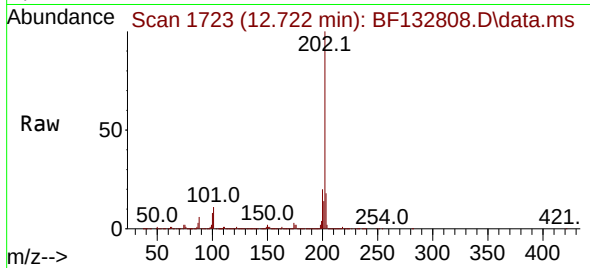




#75
Fluoranthene
Concen: 30.233 ng
RT: 12.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF132808.D
Acq: 15 Mar 2023 17:49

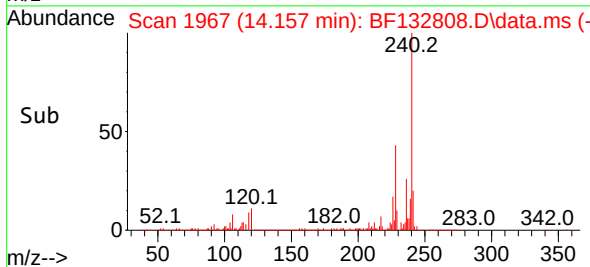
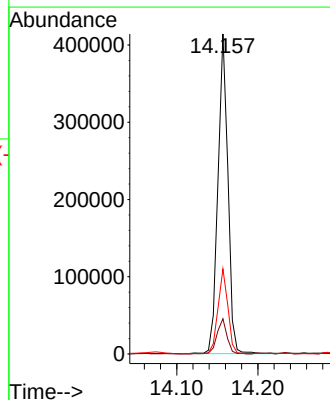
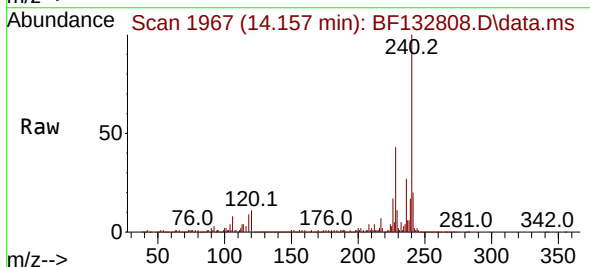
Instrument :
BNA_F
ClientSampleId :
UNION-1DL

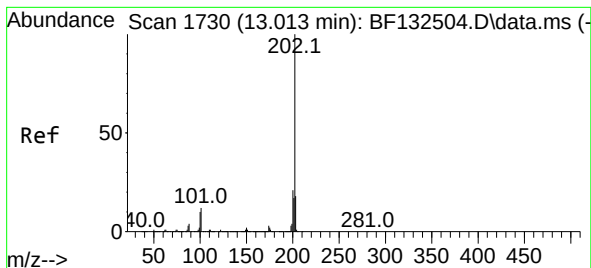
Tgt Ion:202 Resp: 1046117
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.4
203 18.1 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.157 min Scan# 1967
Delta R.T. -0.006 min
Lab File: BF132808.D
Acq: 15 Mar 2023 17:49

Tgt Ion:240 Resp: 353661
Ion Ratio Lower Upper
240 100
120 11.0 7.2 10.8#
236 26.6 21.8 32.6





#78

Pyrene

Concen: 35.062 ng

RT: 12.957 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF132808.D

Acq: 15 Mar 2023 17:49

Instrument :

BNA_F

ClientSampleId :

UNION-1DL

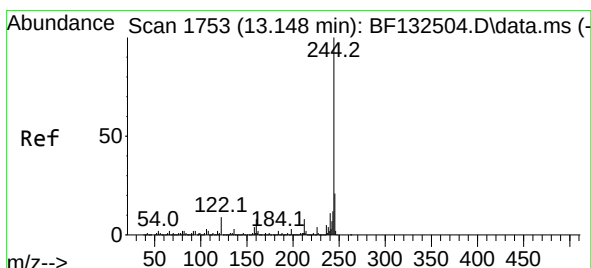
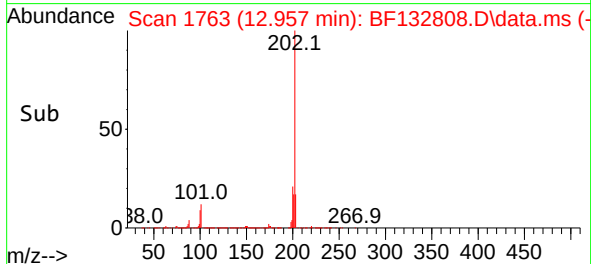
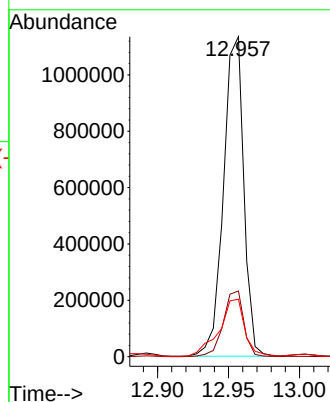
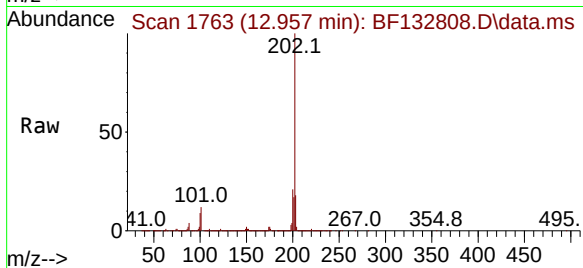
Tgt Ion:202 Resp: 1127371

Ion Ratio Lower Upper

202 100

200 20.6 17.1 25.7

203 18.0 14.6 21.8



#79

Terphenyl-d14

Concen: 33.565 ng

RT: 13.086 min Scan# 1785

Delta R.T. -0.006 min

Lab File: BF132808.D

Acq: 15 Mar 2023 17:49

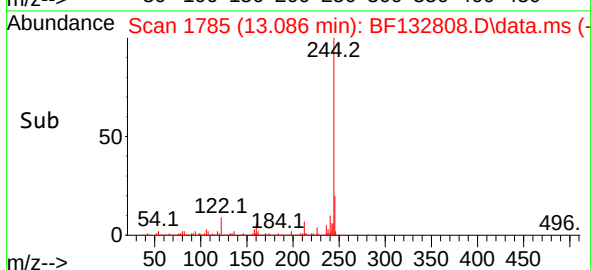
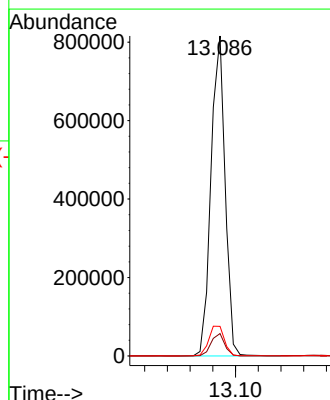
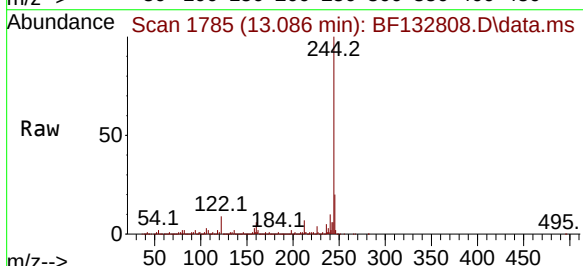
Tgt Ion:244 Resp: 702100

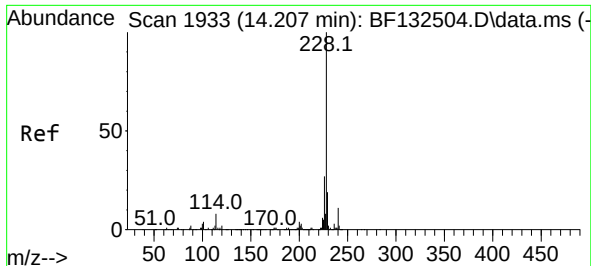
Ion Ratio Lower Upper

244 100

212 7.0 6.5 9.7

122 9.2 7.5 11.3

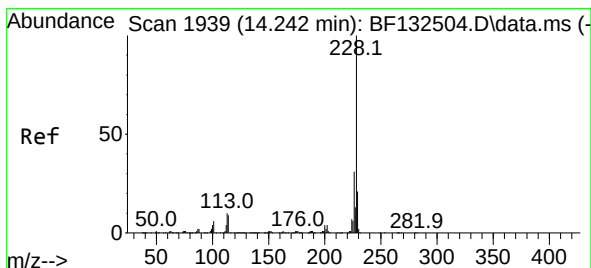
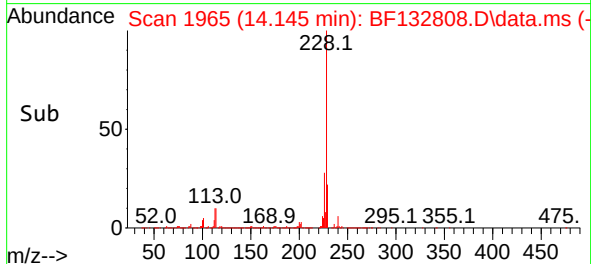
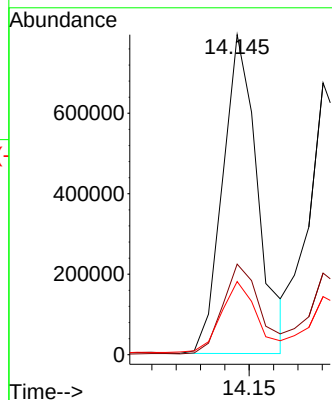
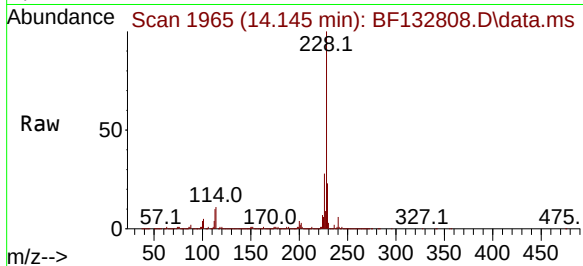




#81
Benzo(a)anthracene
Concen: 29.979 ng
RT: 14.145 min Scan# 1933
Delta R.T. -0.006 min
Lab File: BF132808.D
Acq: 15 Mar 2023 17:49

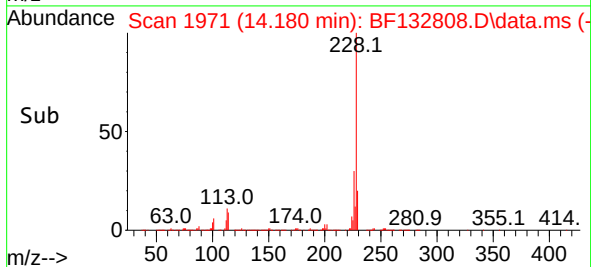
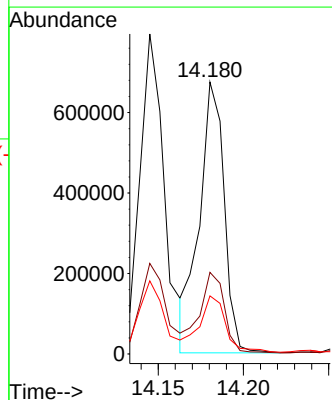
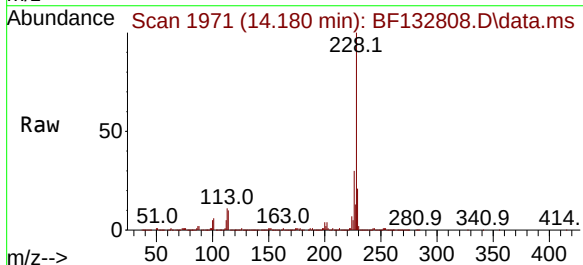
Instrument :
BNA_F
ClientSampleId :
UNION-1DL

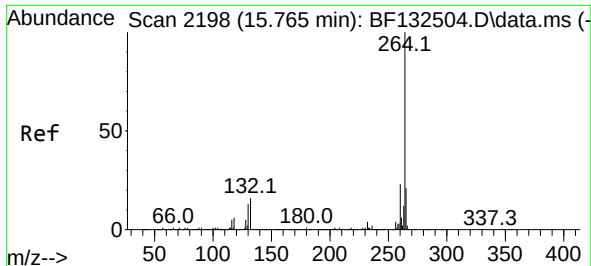
Tgt Ion:228 Resp: 793286
Ion Ratio Lower Upper
228 100
226 28.3 21.7 32.5
229 22.9 15.4 23.2



#83
Chrysene
Concen: 27.527 ng
RT: 14.180 min Scan# 1971
Delta R.T. -0.012 min
Lab File: BF132808.D
Acq: 15 Mar 2023 17:49

Tgt Ion:228 Resp: 681144
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.6
229 21.4 16.4 24.6



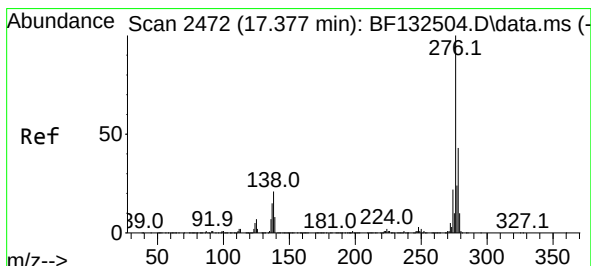
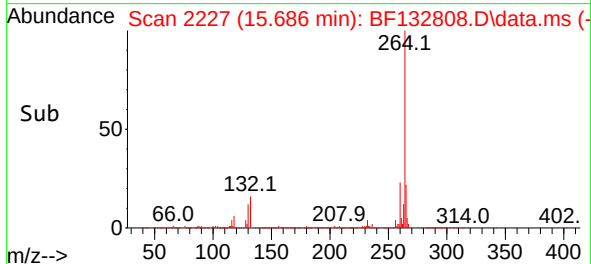
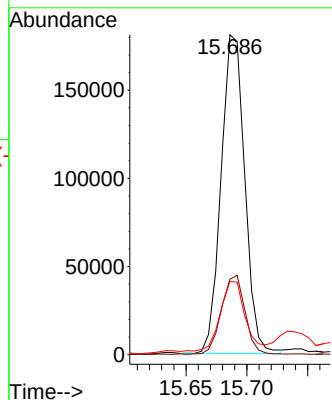
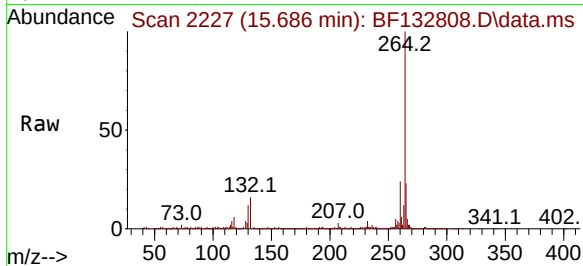


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.686 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF132808.D
Acq: 15 Mar 2023 17:49

Instrument :
BNA_F
ClientSampleId :
UNION-1DL

Tgt Ion:264 Resp: 244728

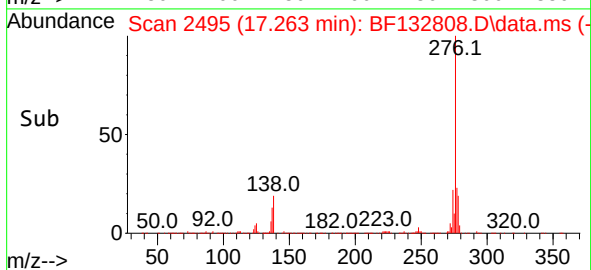
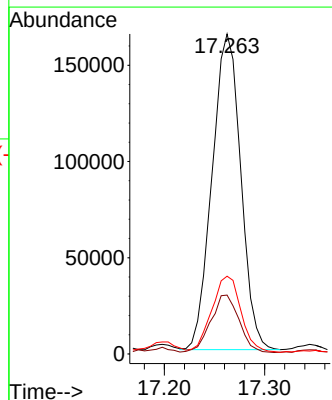
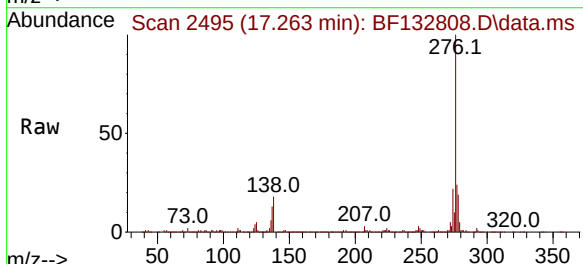
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	22.8	17.1	25.7

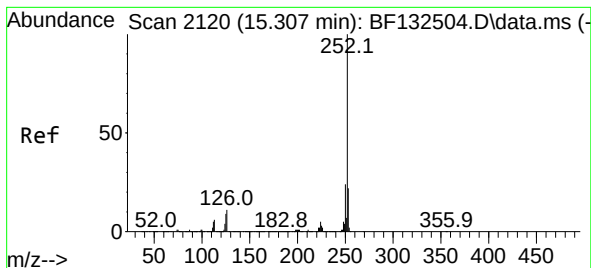


#87
Indeno(1,2,3-cd)pyrene
Concen: 20.315 ng
RT: 17.263 min Scan# 2495
Delta R.T. -0.012 min
Lab File: BF132808.D
Acq: 15 Mar 2023 17:49

Tgt Ion:276 Resp: 325758

Ion	Ratio	Lower	Upper
276	100		
138	18.1	19.0	28.4
277	24.7	20.0	30.0





#88

Benzo(b)fluoranthene

Concen: 67.477 ng

RT: 15.233 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF132808.D

Acq: 15 Mar 2023 17:49

Instrument :

BNA_F

ClientSampleId :

UNION-1DL

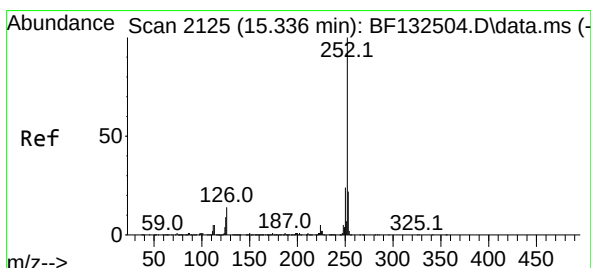
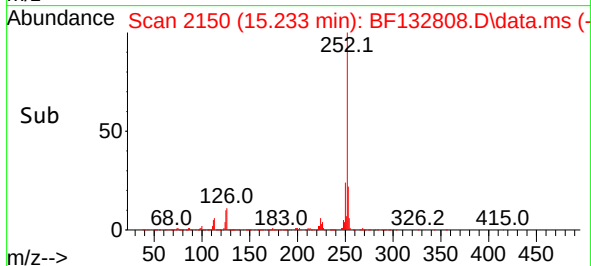
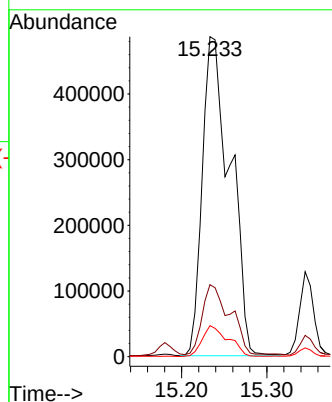
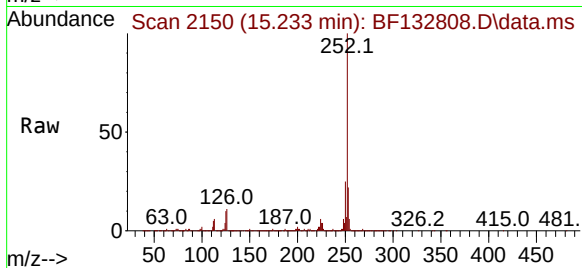
Tgt Ion:252 Resp: 1106646

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.0

125 9.7 7.0 10.6



#89

Benzo(k)fluoranthene

Concen: 68.946 ng

RT: 15.233 min Scan# 2150

Delta R.T. -0.035 min

Lab File: BF132808.D

Acq: 15 Mar 2023 17:49

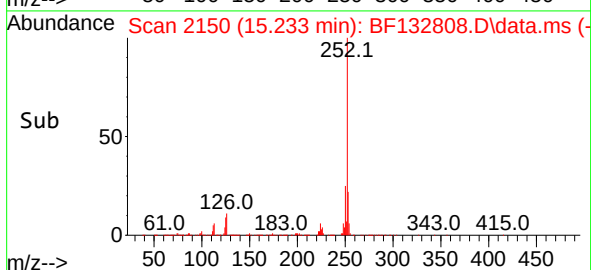
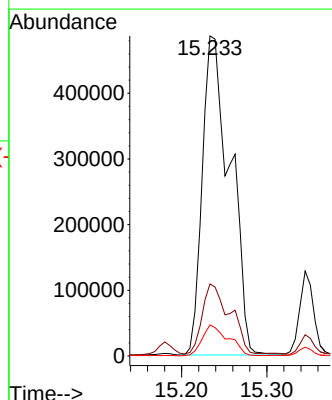
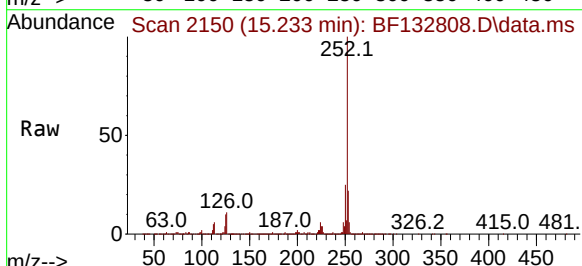
Tgt Ion:252 Resp: 1106646

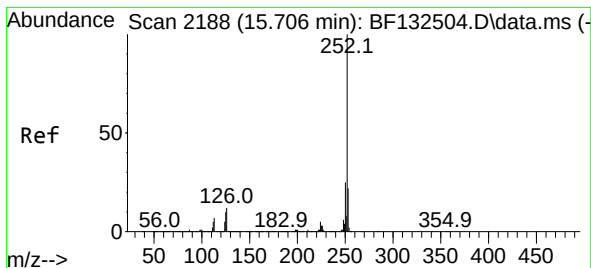
Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 9.7 7.2 10.8





#90

Benzo(a)pyrene

Concen: 39.556 ng

RT: 15.627 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF132808.D

Acq: 15 Mar 2023 17:49

Instrument :

BNL_F

ClientSampleId :

UNION-1DL

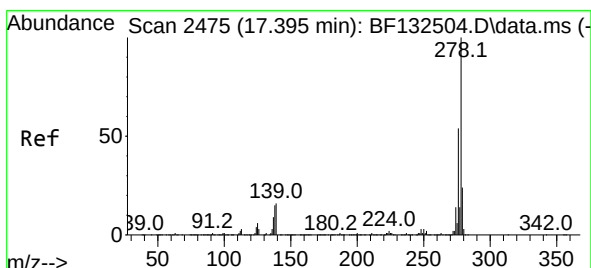
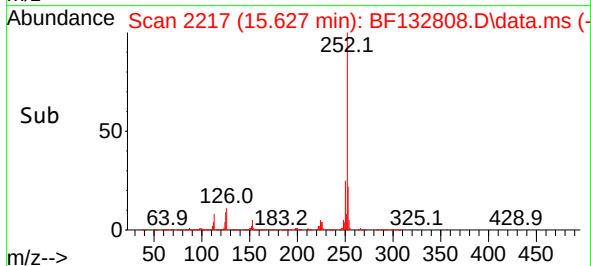
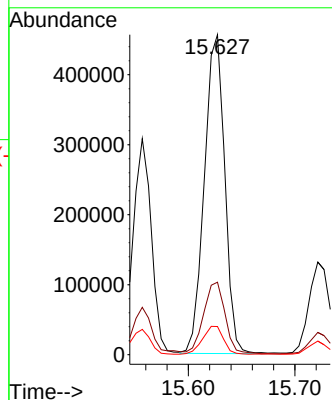
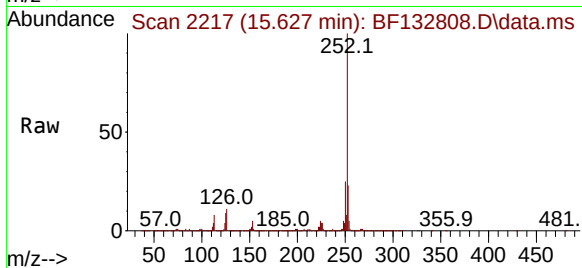
Tgt Ion:252 Resp: 607161

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

125 8.8 8.0 12.0



#91

Dibenzo(a,h)anthracene

Concen: 4.914 ng

RT: 17.451 min Scan# 2527

Delta R.T. 0.165 min

Lab File: BF132808.D

Acq: 15 Mar 2023 17:49

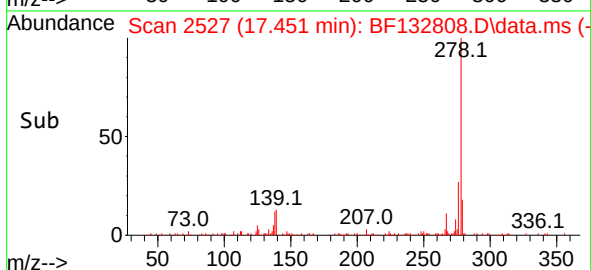
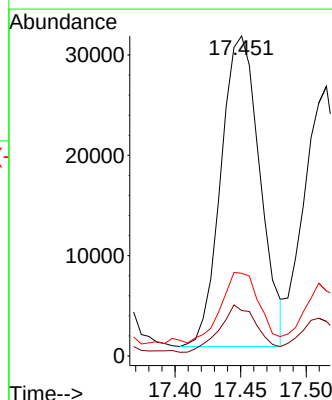
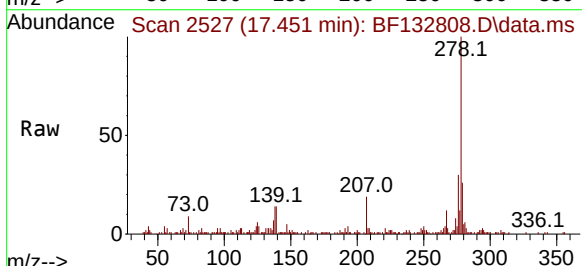
Tgt Ion:278 Resp: 64200

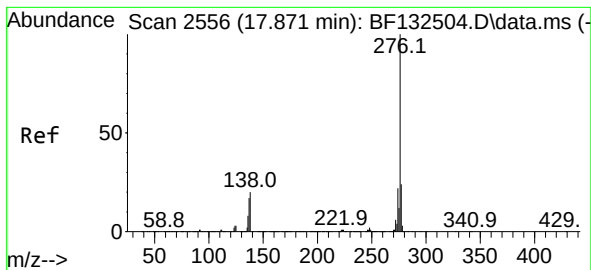
Ion Ratio Lower Upper

278 100

139 14.2 13.0 19.4

279 25.9 19.0 28.4





#92
 Benzo(g,h,i)perylene
 Concen: 21.364 ng
 RT: 17.745 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF132808.D
 Acq: 15 Mar 2023 17:49

Instrument :
 BNA_F
 ClientSampleId :
 UNION-1DL

Tgt Ion:276 Resp: 301754
 Ion Ratio Lower Upper
 276 100
 277 24.5 18.9 28.3
 138 17.4 16.2 24.4

