

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022323\
 Data File : BF132528.D
 Acq On : 23 Feb 2023 19:19
 Operator : CG\JU
 Sample : 01663-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-D2

Quant Time: Feb 24 00:39:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 23 00:59:42 2023
 Response via : Initial Calibration

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

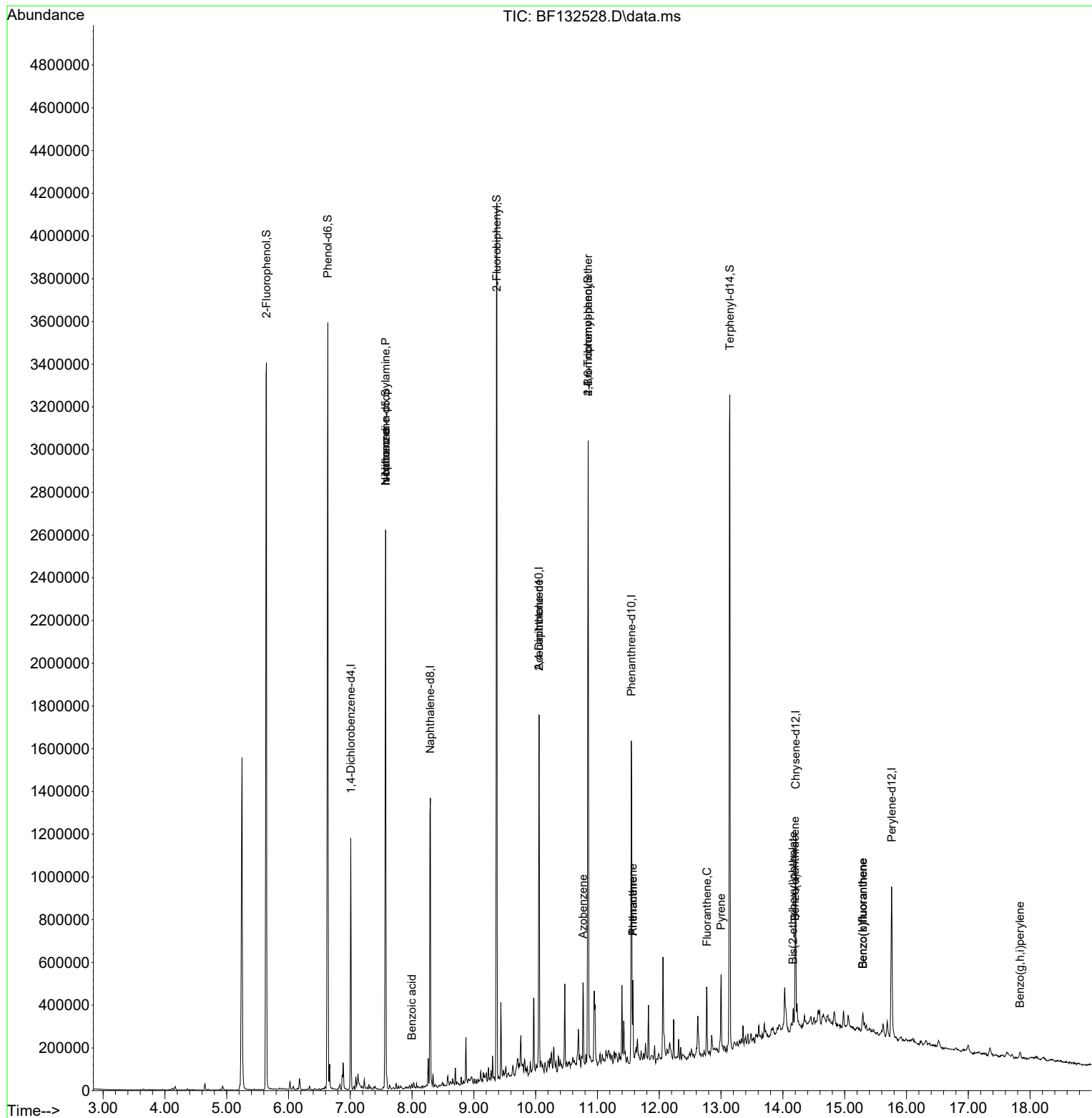
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.007	152	152730	20.000	ng	0.00
21) Naphthalene-d8	8.295	136	576545	20.000	ng	0.00
39) Acenaphthene-d10	10.054	164	307169	20.000	ng	0.00
64) Phenanthrene-d10	11.548	188	544256	20.000	ng	0.00
76) Chrysene-d12	14.207	240	287009	20.000	ng	-0.01
86) Perylene-d12	15.760	264	337588	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.643	112	966415	102.695	ng	0.00
7) Phenol-d6	6.637	99	1237232	100.739	ng	0.00
23) Nitrobenzene-d5	7.572	82	827008	68.055	ng	0.00
42) 2,4,6-Tribromophenol	10.848	330	323990	97.667	ng	-0.01
45) 2-Fluorobiphenyl	9.372	172	1259287	62.424	ng	0.00
79) Terphenyl-d14	13.142	244	1144095	67.398	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.572	70	114505	15.149	ng	# 78
25) Isophorone	7.572	82	824939	35.408	ng	# 67
32) Benzoic acid	7.995	122	175	3.859	ng	# 1
57) 2,4-Dinitrotoluene	10.054	165	40237	5.938	ng	# 21
63) Azobenzene	10.766	77	65193	2.818	ng	# 1
67) 4-Bromophenyl-phenylether	10.848	248	21595	3.508	ng	# 1
71) Phenanthrene	11.572	178	113285	4.018	ng	98
72) Anthracene	11.572	178	113285	3.902	ng	99
75) Fluoranthene	12.772	202	116385	3.776	ng	97
78) Pyrene	13.001	202	110833	4.247	ng	97
81) Benzo(a)anthracene	14.195	228	46498	2.165	ng	100
84) Bis(2-ethylhexyl)phtha...	14.166	149	26313	2.080	ng	98
88) Benzo(b)fluoranthene	15.295	252	66155	2.924	ng	# 87
89) Benzo(k)fluoranthene	15.295	252	66155	2.988	ng	# 87
92) Benzo(g,h,i)perylene	17.836	276	25163	2.808	ng	# 93

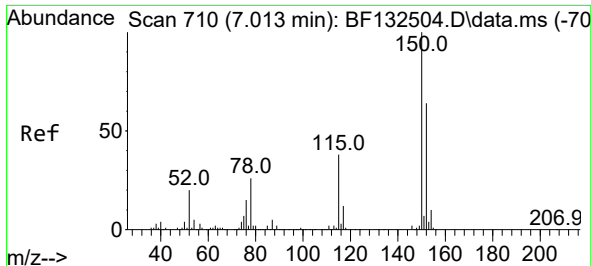
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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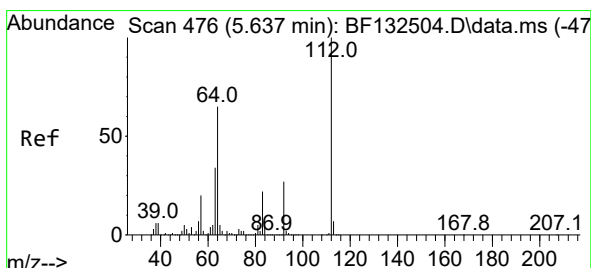
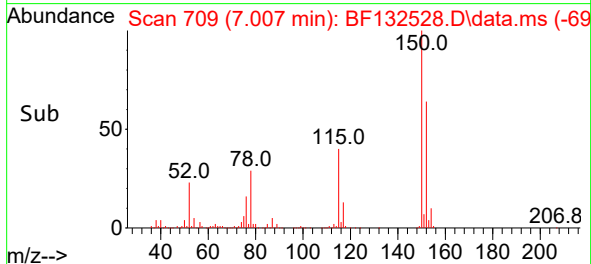
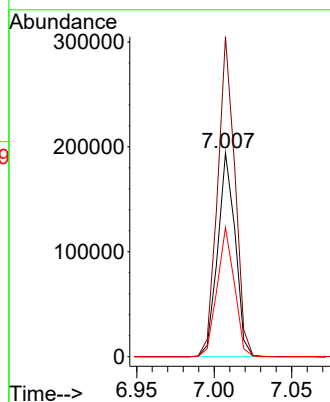
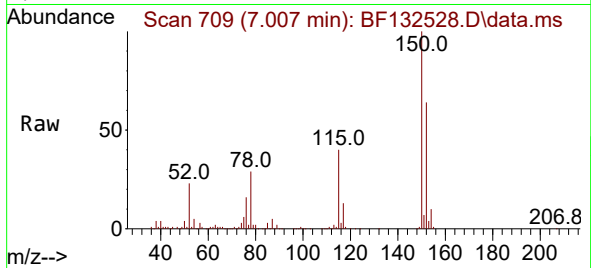




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.007 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

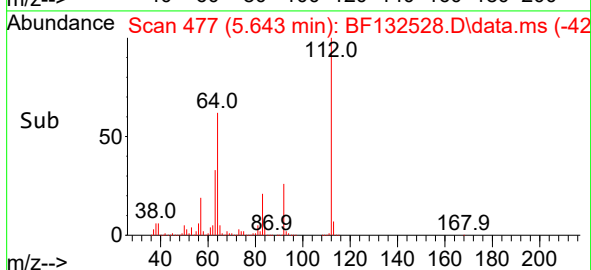
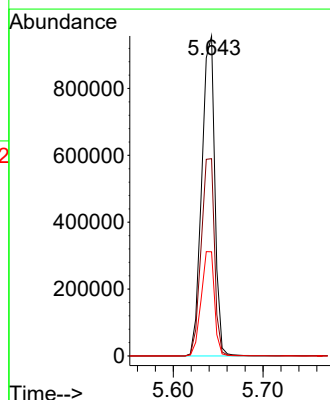
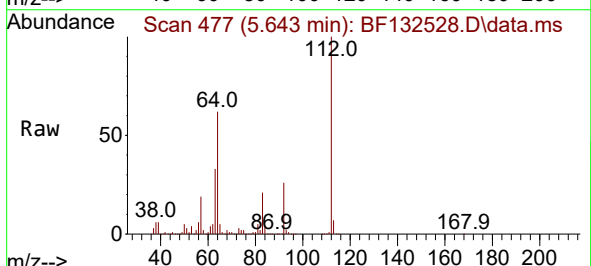
Instrument :
BNA_F
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WC-D2

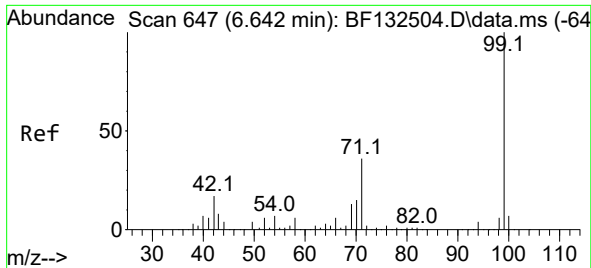
Tgt Ion:152 Resp: 152730
Ion Ratio Lower Upper
152 100
150 156.9 125.4 188.2
115 63.4 47.8 71.6



#5
2-Fluorophenol
Concen: 102.695 ng
RT: 5.643 min Scan# 477
Delta R.T. 0.006 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

Tgt Ion:112 Resp: 966415
Ion Ratio Lower Upper
112 100
64 61.6 51.6 77.4
63 32.5 27.4 41.2

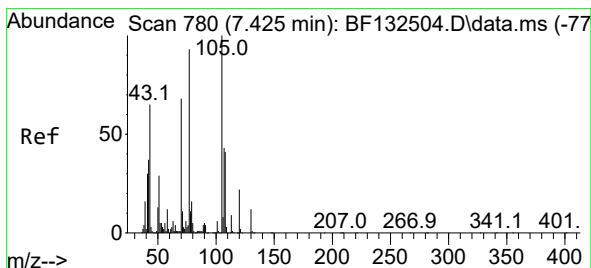
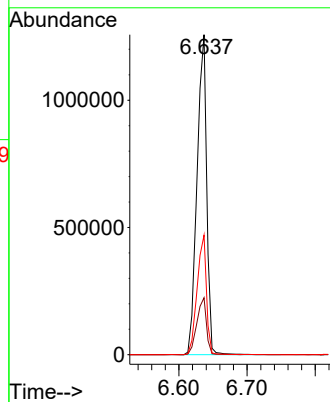
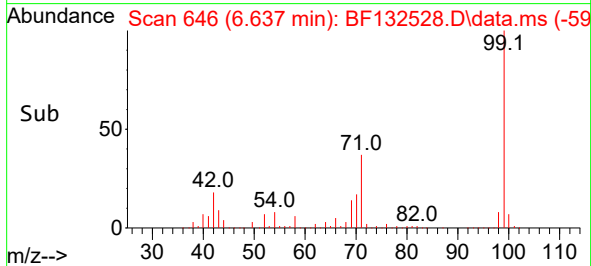
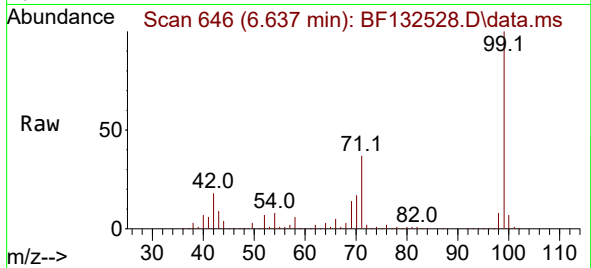




#7
Phenol-d6
Concen: 100.739 ng
RT: 6.637 min Scan# 64
Delta R.T. -0.006 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

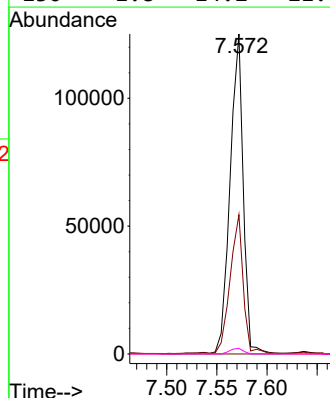
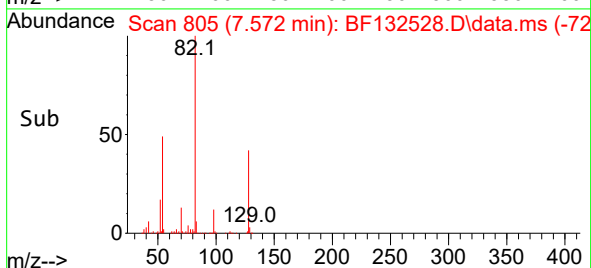
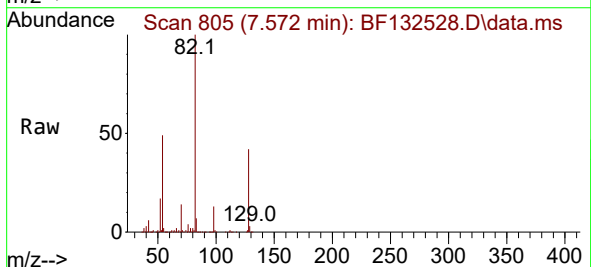
Instrument :
BNA_F
ClientSampleId :
WC-D2

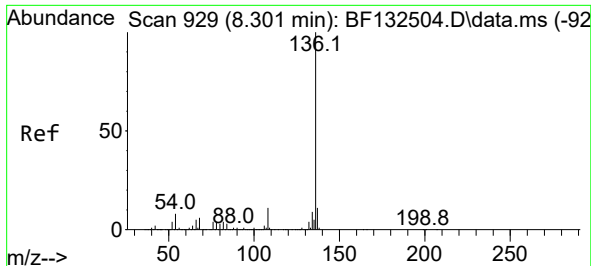
Tgt Ion: 99 Resp: 1237232
Ion Ratio Lower Upper
99 100
42 17.8 13.9 20.9
71 37.4 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 15.149 ng
RT: 7.572 min Scan# 805
Delta R.T. 0.147 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

Tgt Ion: 70 Resp: 114505
Ion Ratio Lower Upper
70 100
42 43.5 44.1 66.1#
101 0.0 7.4 11.2#
130 1.8 14.2 21.4#

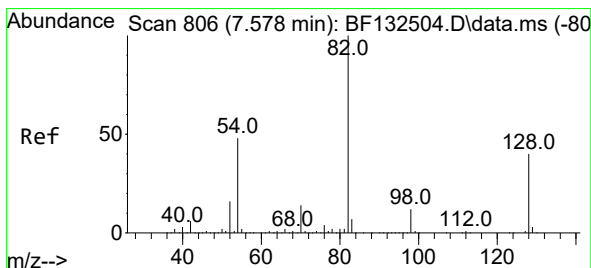
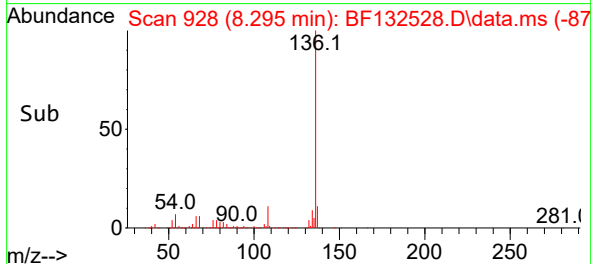
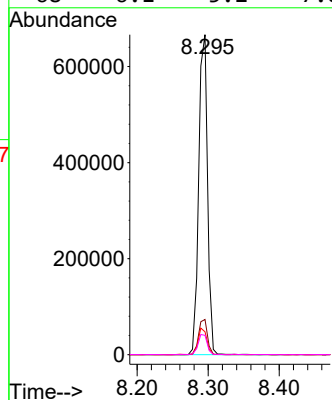
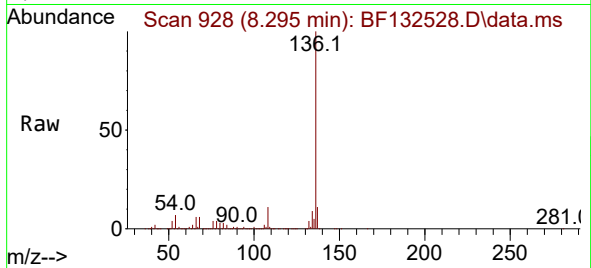




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.295 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

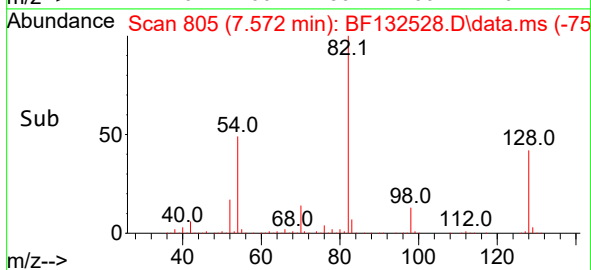
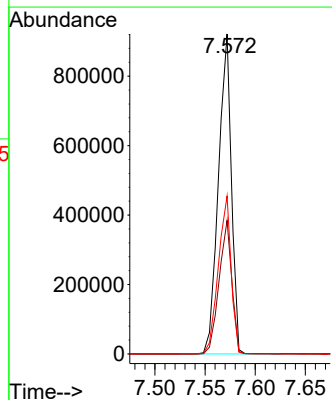
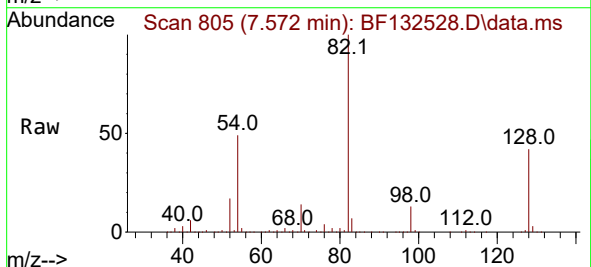
Instrument :
BNA_F
ClientSampleId :
WC-D2

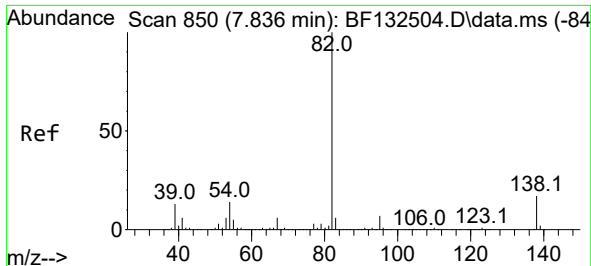
Tgt Ion:136 Resp: 576545
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.2 6.2 9.4
68 6.1 5.2 7.8



#23
Nitrobenzene-d5
Concen: 68.055 ng
RT: 7.572 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

Tgt Ion: 82 Resp: 827008
Ion Ratio Lower Upper
82 100
128 41.8 32.2 48.2
54 49.3 38.4 57.6

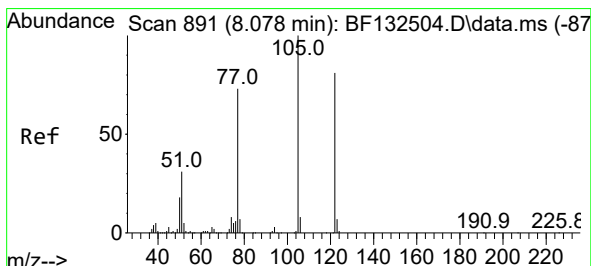
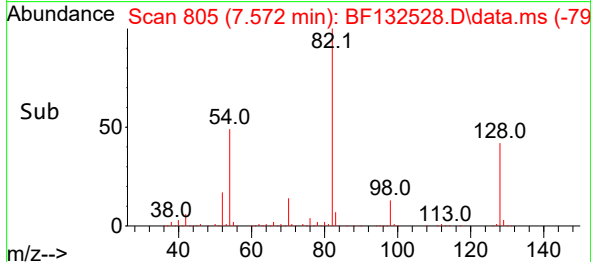
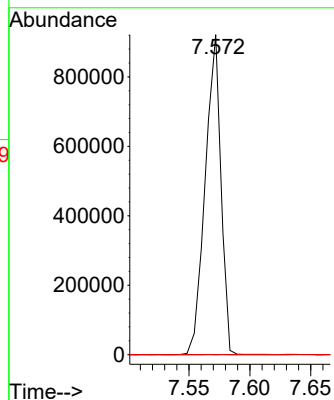
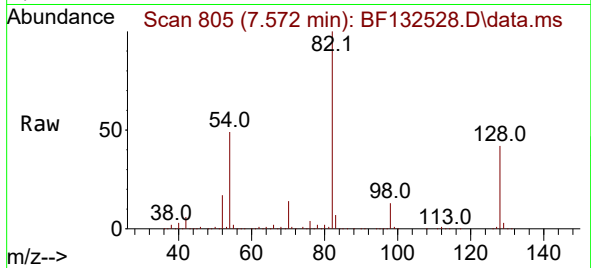




#25
Isophorone
Concen: 35.408 ng
RT: 7.572 min Scan# 80
Delta R.T. -0.264 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

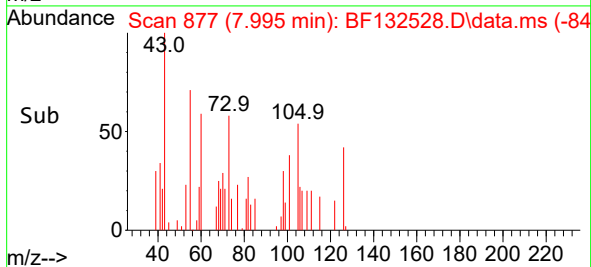
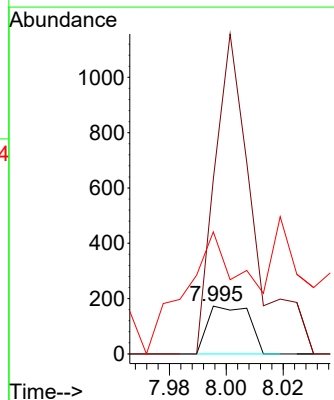
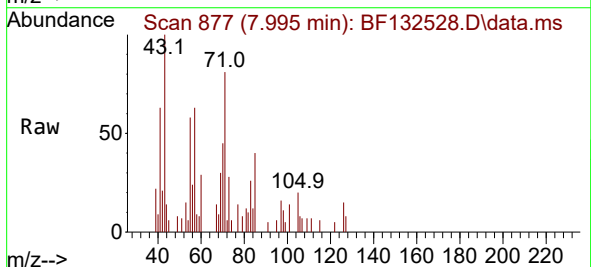
Instrument :
BNA_F
ClientSampleId :
WC-D2

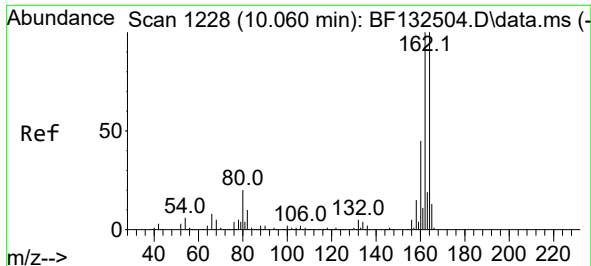
Tgt Ion: 82 Resp: 824939
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.859 ng
RT: 7.995 min Scan# 877
Delta R.T. -0.083 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

Tgt Ion: 122 Resp: 175
Ion Ratio Lower Upper
122 100
105 365.3 102.6 142.6#
77 254.9 70.2 110.2#

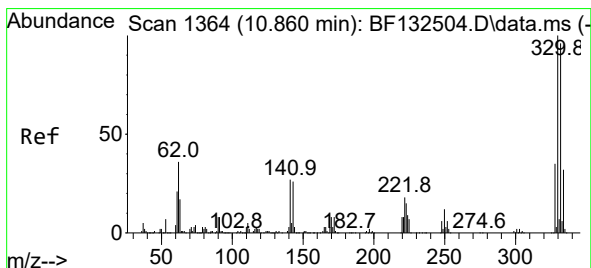
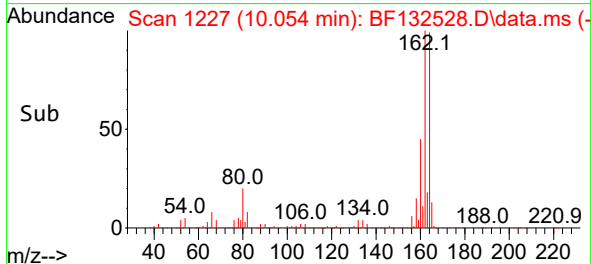
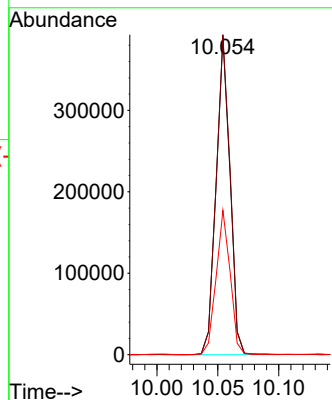
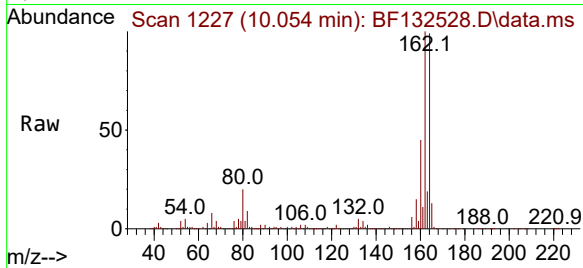




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.054 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

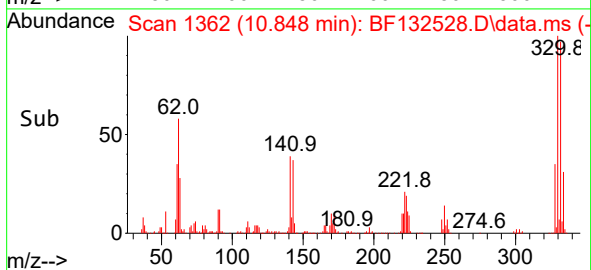
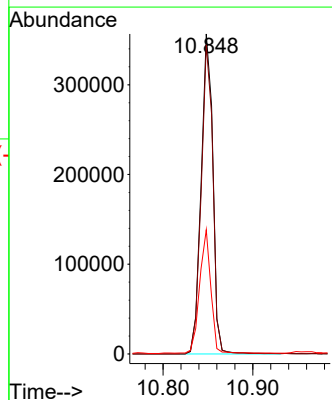
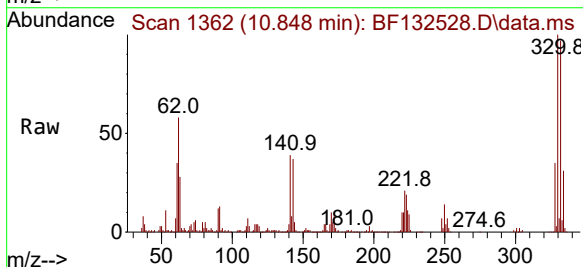
Instrument :
BNA_F
ClientSampleId :
WC-D2

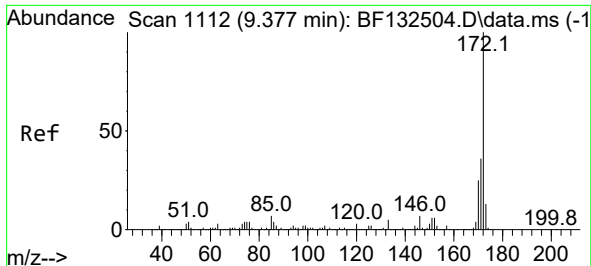
Tgt Ion:164 Resp: 307169
Ion Ratio Lower Upper
164 100
162 101.0 79.8 119.8
160 45.5 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 97.667 ng
RT: 10.848 min Scan# 1362
Delta R.T. -0.012 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

Tgt Ion:330 Resp: 323990
Ion Ratio Lower Upper
330 100
332 96.2 76.2 114.4
141 37.4 28.4 42.6

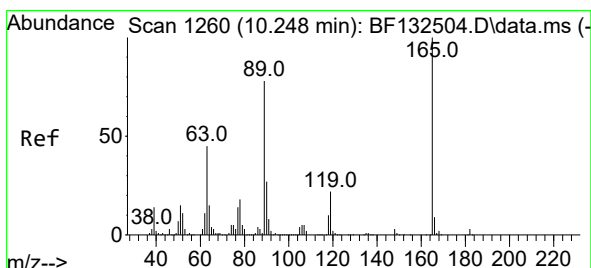
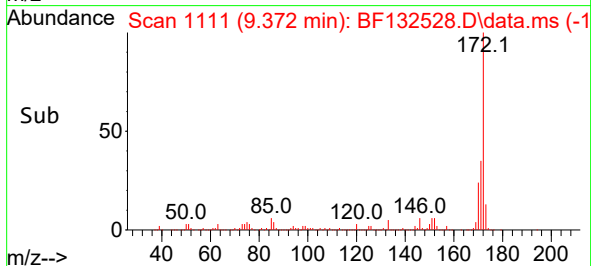
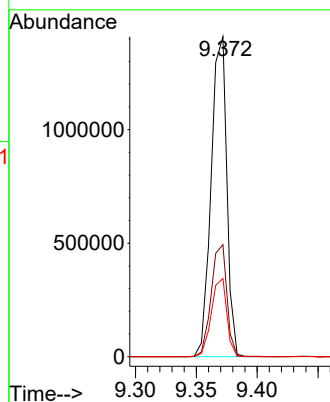
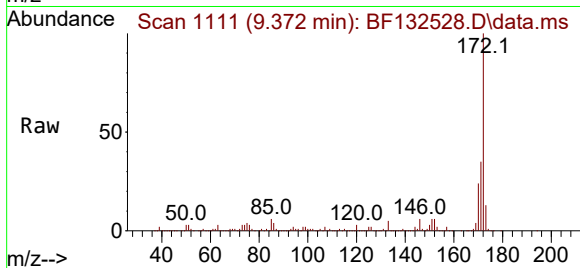




#45
2-Fluorobiphenyl
Concen: 62.424 ng
RT: 9.372 min Scan# 1112
Delta R.T. -0.005 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

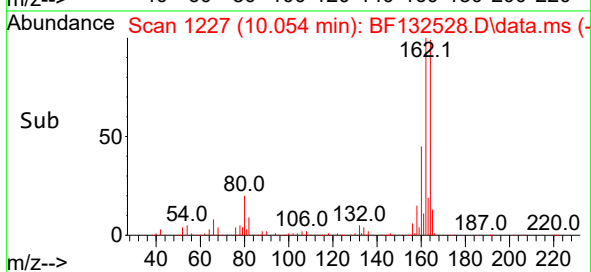
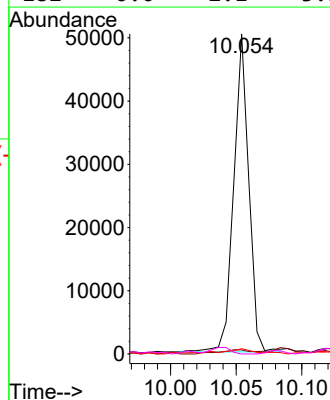
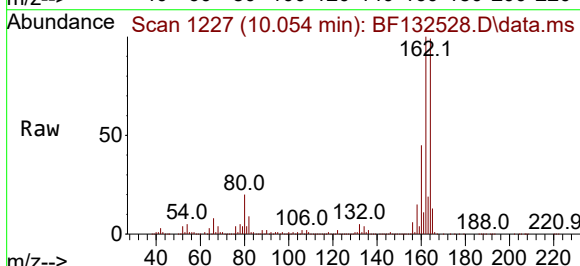
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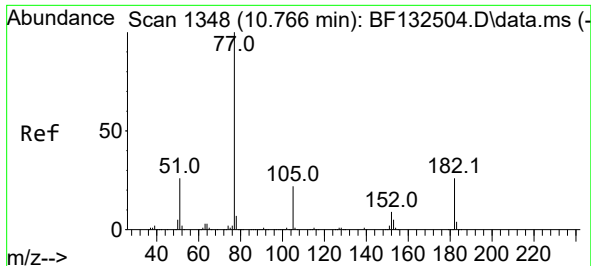
Tgt Ion:172 Resp: 1259287
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 24.4 19.7 29.5



#57
2,4-Dinitrotoluene
Concen: 5.938 ng
RT: 10.054 min Scan# 1227
Delta R.T. -0.194 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

Tgt Ion:165 Resp: 40237
Ion Ratio Lower Upper
165 100
63 1.3 36.5 54.7#
89 1.7 62.4 93.6#
182 0.0 2.1 3.1#

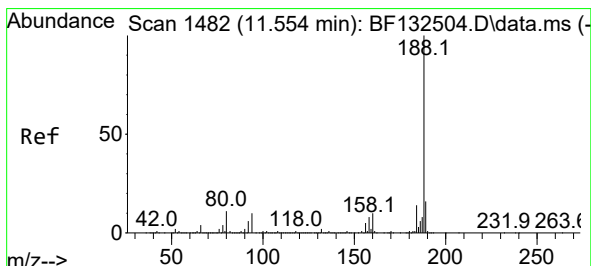
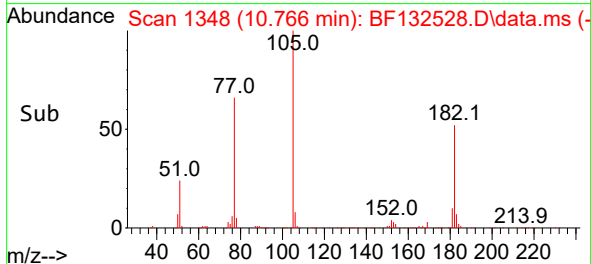
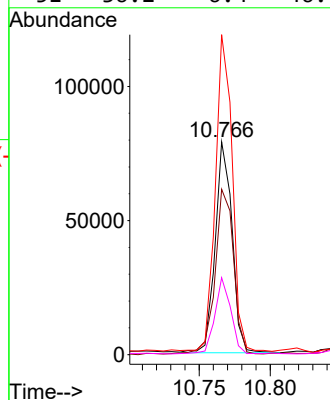
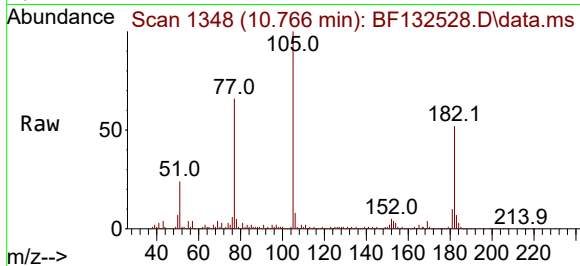




#63
Azobenzene
Concen: 2.818 ng
RT: 10.766 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

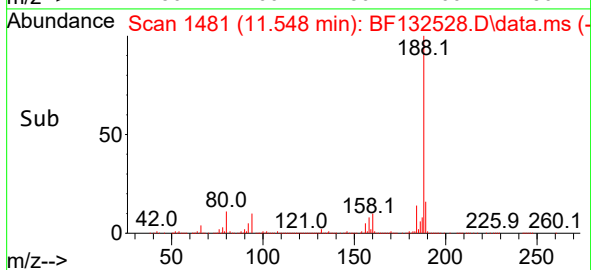
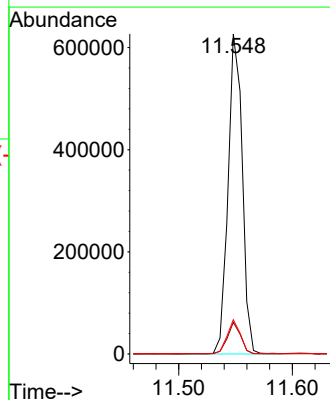
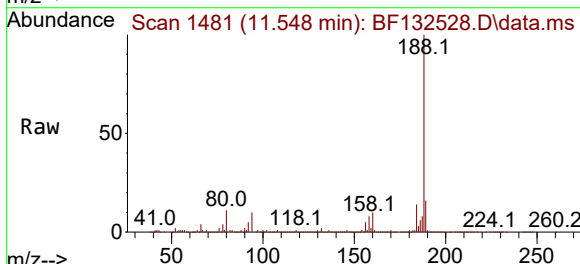
Instrument :
BNA_F
ClientSampleId :
WC-D2

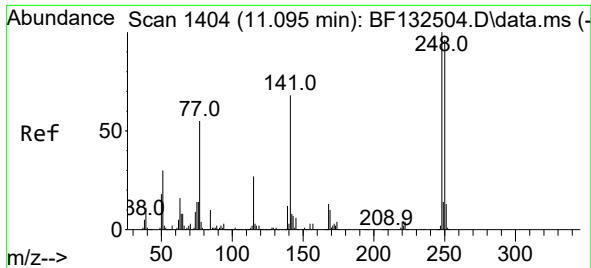
Tgt Ion: 77 Resp: 65193
Ion Ratio Lower Upper
77 100
182 77.7 5.5 45.5#
105 150.4 1.8 41.8#
51 36.2 6.4 46.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.548 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

Tgt Ion: 188 Resp: 544256
Ion Ratio Lower Upper
188 100
94 9.9 8.3 12.5
80 10.7 8.7 13.1

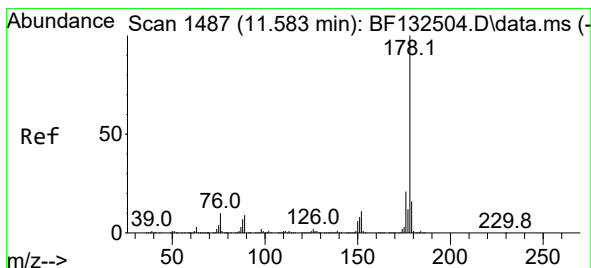
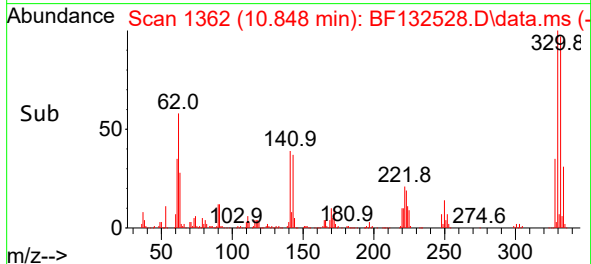
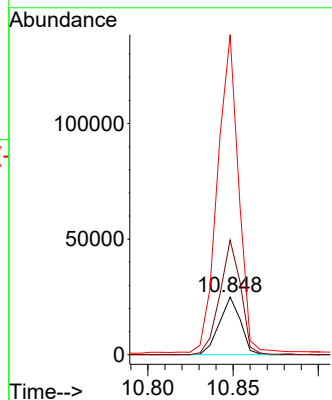
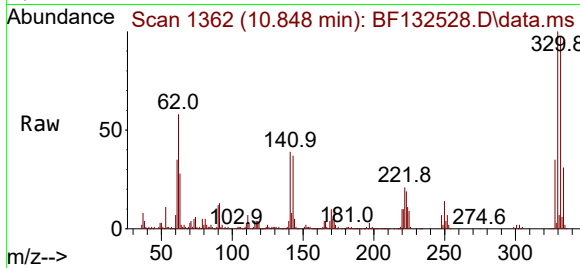




#67
4-Bromophenyl-phenylether
Concen: 3.508 ng
RT: 10.848 min Scan# 11
Delta R.T. -0.247 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

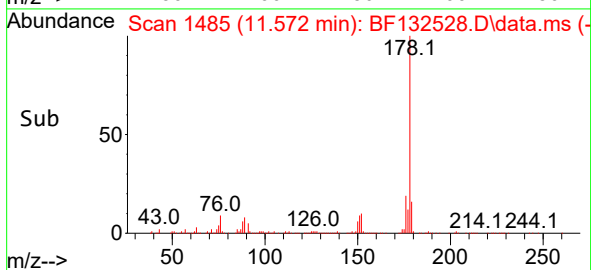
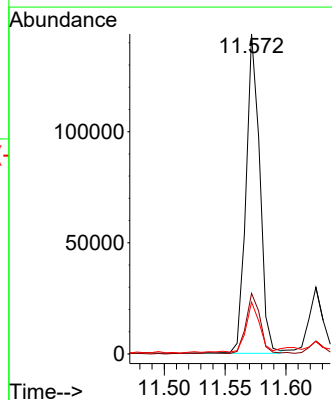
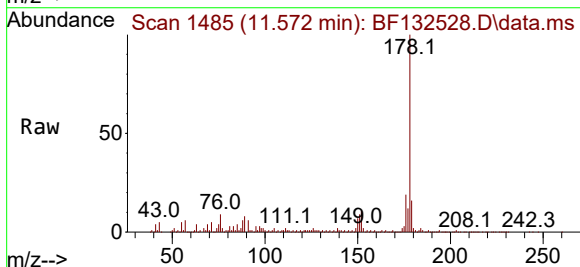
Instrument :
BNA_F
ClientSampleId :
WC-D2

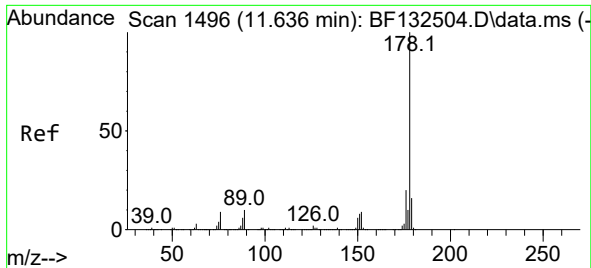
Tgt Ion:248 Resp: 21595
Ion Ratio Lower Upper
248 100
250 199.2 77.0 115.4#
141 555.7 54.2 81.2#



#71
Phenanthrene
Concen: 4.018 ng
RT: 11.572 min Scan# 1485
Delta R.T. -0.012 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

Tgt Ion:178 Resp: 113285
Ion Ratio Lower Upper
178 100
176 18.9 16.5 24.7
179 16.2 13.0 19.6

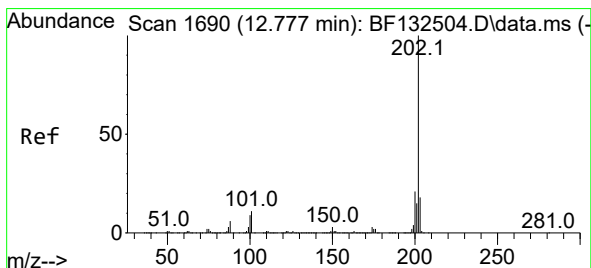
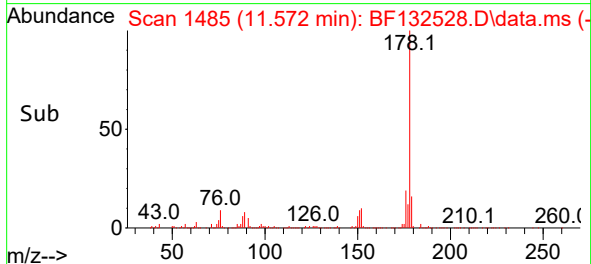
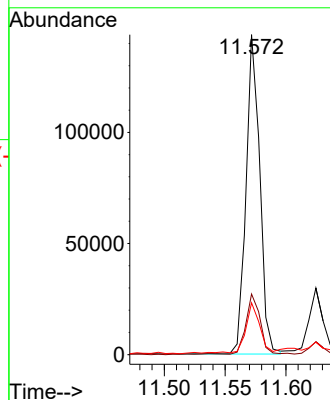
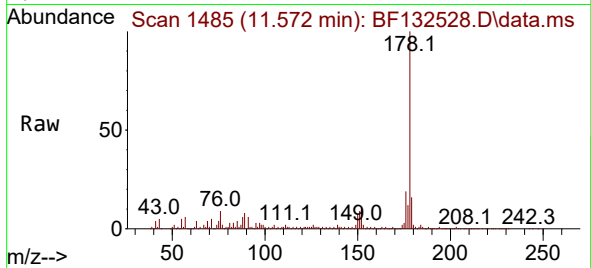




#72
 Anthracene
 Concen: 3.902 ng
 RT: 11.572 min Scan# 1496
 Delta R.T. -0.064 min
 Lab File: BF132528.D
 Acq: 23 Feb 2023 19:19

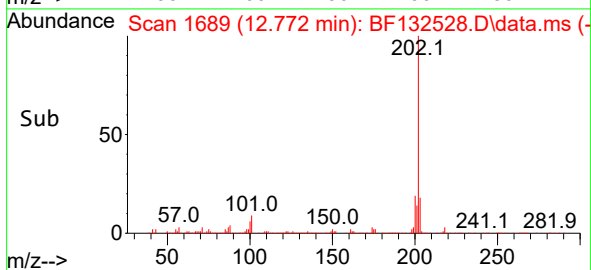
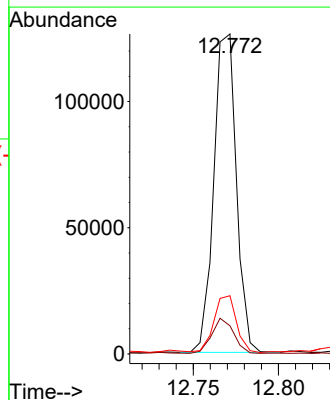
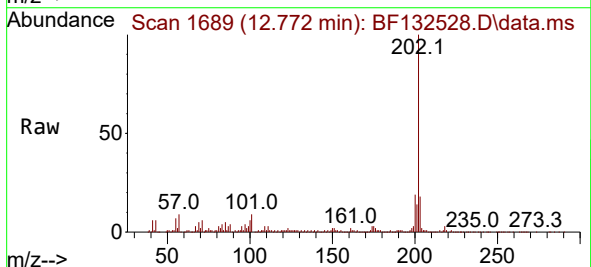
Instrument :
 BNA_F
 ClientSampleId :
 WC-D2

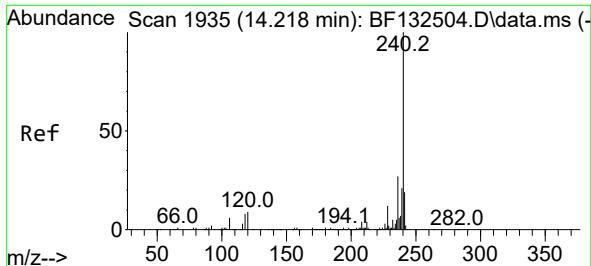
Tgt Ion:178 Resp: 113285
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.6 23.4
 179 16.2 12.5 18.7



#75
 Fluoranthene
 Concen: 3.776 ng
 RT: 12.772 min Scan# 1689
 Delta R.T. -0.006 min
 Lab File: BF132528.D
 Acq: 23 Feb 2023 19:19

Tgt Ion:202 Resp: 116385
 Ion Ratio Lower Upper
 202 100
 101 8.8 0.0 31.4
 203 18.2 0.0 38.0

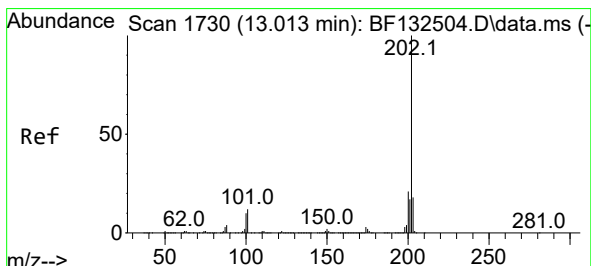
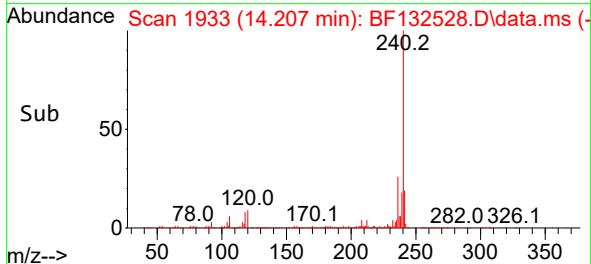
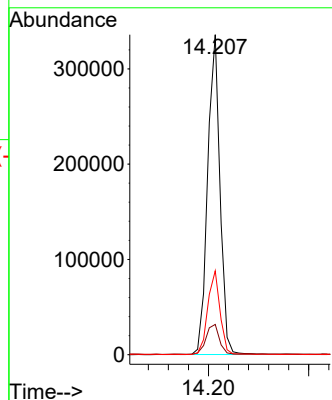
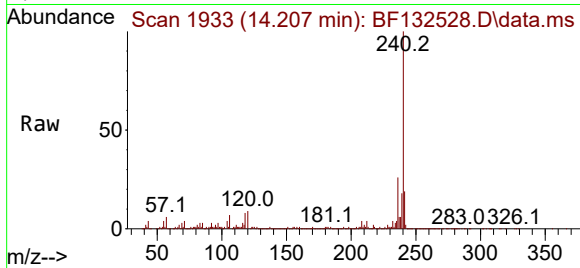




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.207 min Scan# 1935
Delta R.T. -0.012 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

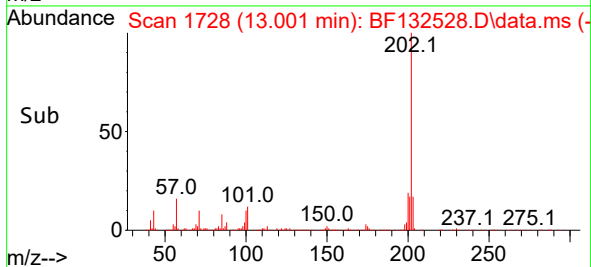
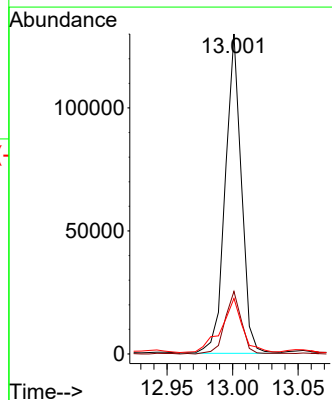
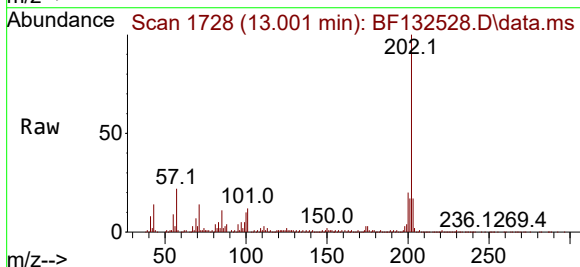
Instrument :
BNA_F
ClientSampleId :
WC-D2

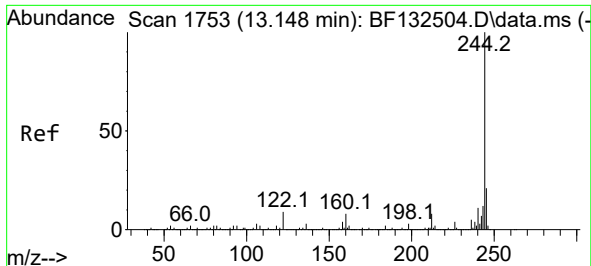
Tgt Ion:240 Resp: 287009
Ion Ratio Lower Upper
240 100
120 9.5 7.2 10.8
236 26.2 21.8 32.6



#78
Pyrene
Concen: 4.247 ng
RT: 13.001 min Scan# 1728
Delta R.T. -0.012 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

Tgt Ion:202 Resp: 110833
Ion Ratio Lower Upper
202 100
200 19.5 17.1 25.7
203 17.4 14.6 21.8

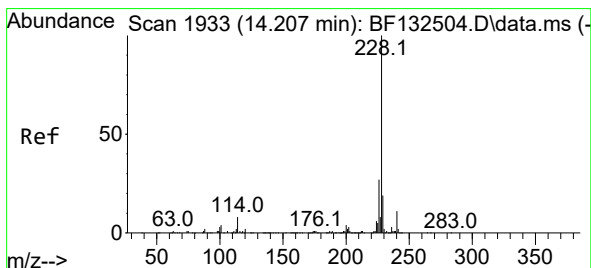
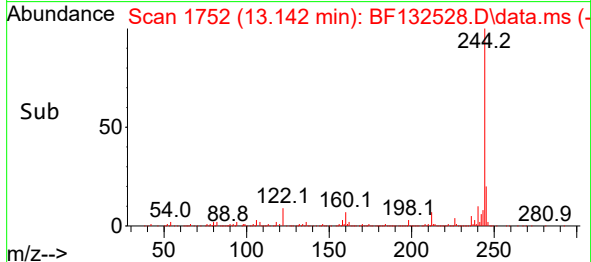
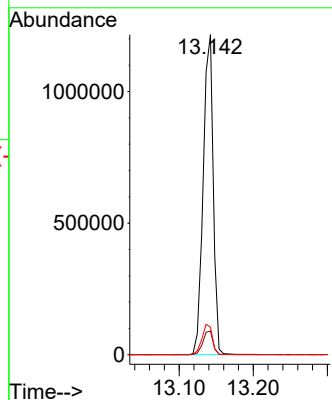
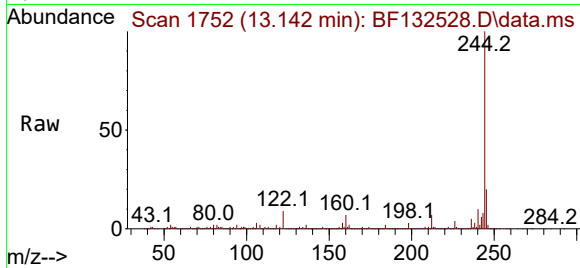




#79
 Terphenyl-d14
 Concen: 67.398 ng
 RT: 13.142 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF132528.D
 Acq: 23 Feb 2023 19:19

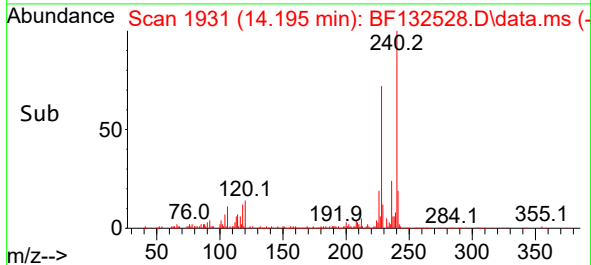
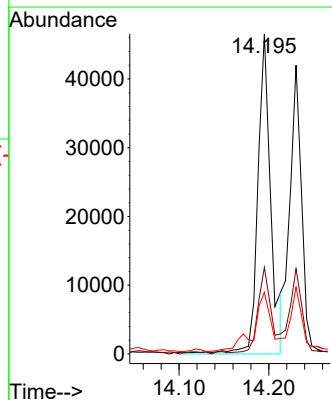
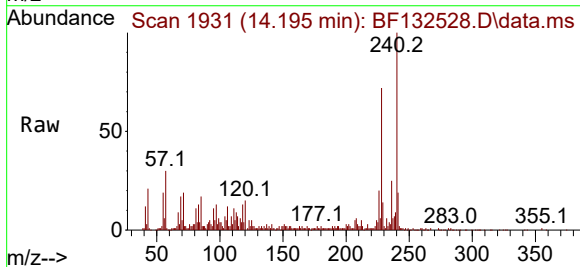
Instrument :
 BNA_F
 ClientSampleId :
 WC-D2

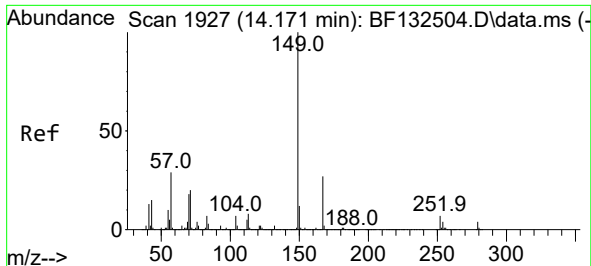
Tgt Ion:244 Resp: 1144095
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 8.6 7.5 11.3



#81
 Benzo(a)anthracene
 Concen: 2.165 ng
 RT: 14.195 min Scan# 1931
 Delta R.T. -0.012 min
 Lab File: BF132528.D
 Acq: 23 Feb 2023 19:19

Tgt Ion:228 Resp: 46498
 Ion Ratio Lower Upper
 228 100
 226 27.0 21.7 32.5
 229 19.3 15.4 23.2

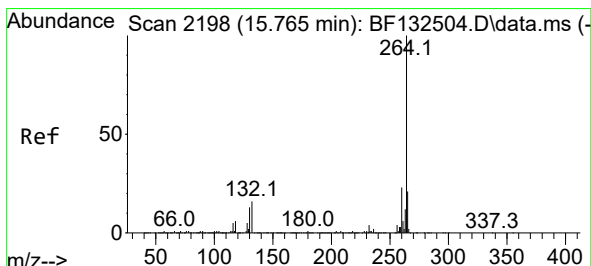
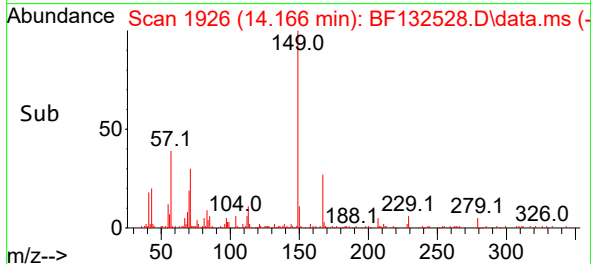
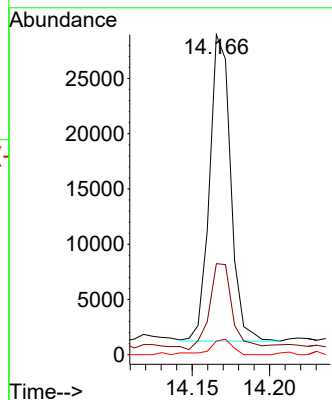
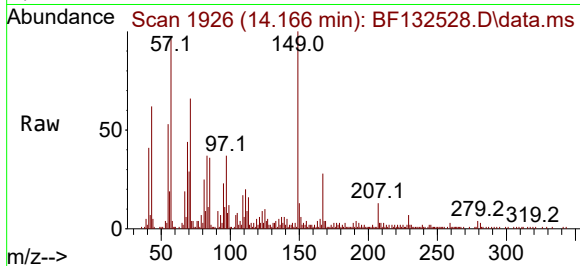




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.080 ng
RT: 14.166 min Scan# 1926
Delta R.T. -0.006 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

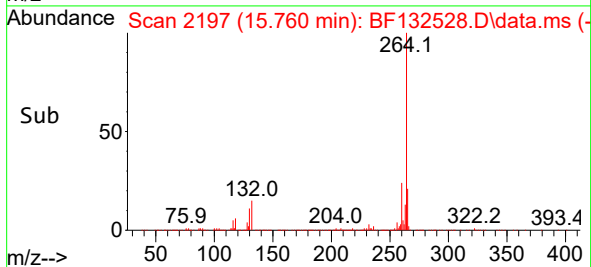
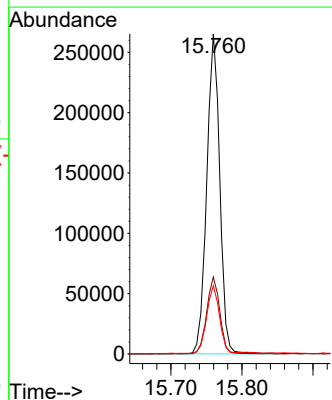
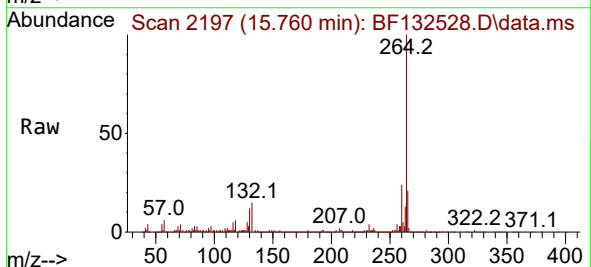
Instrument :
BNA_F
ClientSampleId :
WC-D2

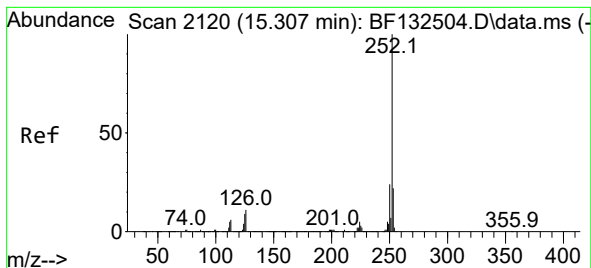
Tgt Ion:149	Resp:	26313
Ion	Ratio	Lower Upper
149	100	
167	28.4	21.8 32.6
279	4.3	3.0 4.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.760 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF132528.D
Acq: 23 Feb 2023 19:19

Tgt Ion:264	Resp:	337588
Ion	Ratio	Lower Upper
264	100	
260	24.0	18.8 28.2
265	21.3	17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 2.924 ng

RT: 15.295 min Scan# 2118

Delta R.T. -0.012 min

Lab File: BF132528.D

Acq: 23 Feb 2023 19:19

Instrument :

BNA_F

ClientSampleId :

WC-D2

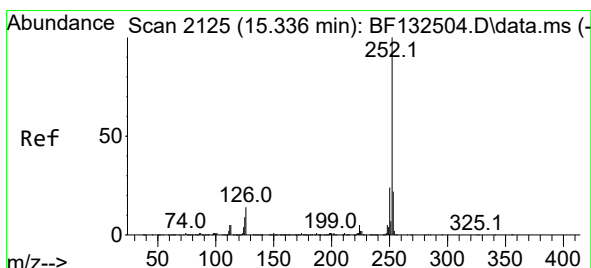
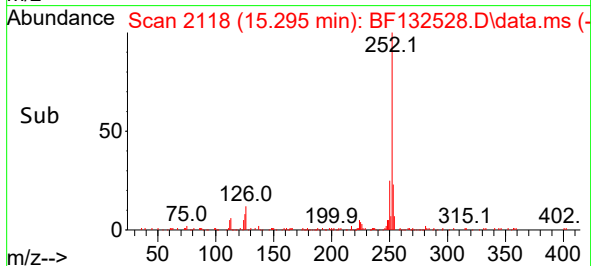
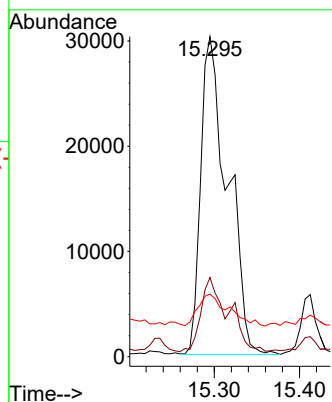
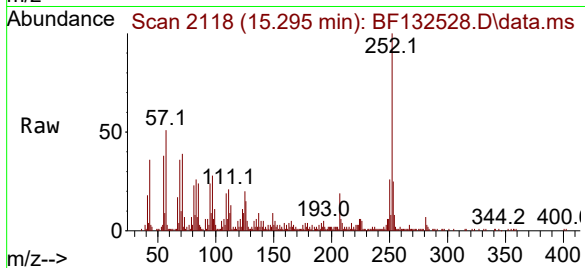
Tgt Ion:252 Resp: 66155

Ion Ratio Lower Upper

252 100

253 24.8 17.4 26.0

125 19.5 7.0 10.6#



#89

Benzo(k)fluoranthene

Concen: 2.988 ng

RT: 15.295 min Scan# 2118

Delta R.T. -0.041 min

Lab File: BF132528.D

Acq: 23 Feb 2023 19:19

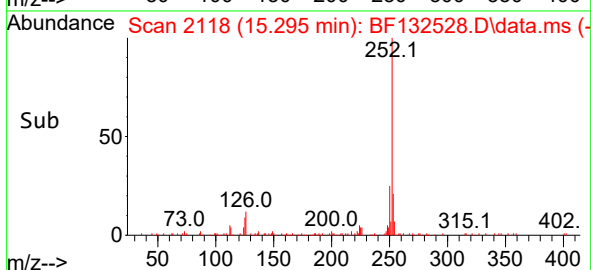
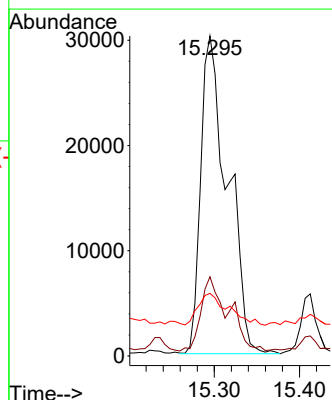
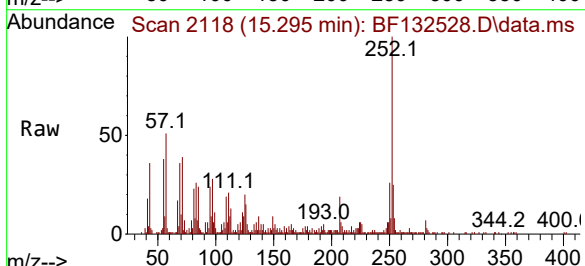
Tgt Ion:252 Resp: 66155

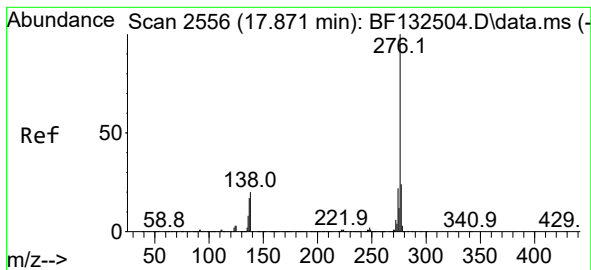
Ion Ratio Lower Upper

252 100

253 24.8 17.5 26.3

125 19.5 7.2 10.8#





#92

Benzo(g,h,i)perylene

Concen: 2.808 ng

RT: 17.836 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF132528.D

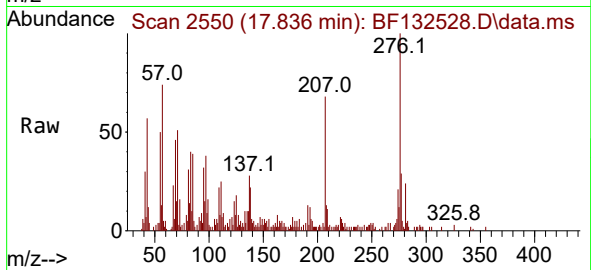
Acq: 23 Feb 2023 19:19

Instrument :

BNA_F

ClientSampleId :

WC-D2



Tgt Ion:276 Resp: 25163

Ion Ratio Lower Upper

276 100

277 28.6 18.9 28.3#

138 21.9 16.2 24.4

