

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030623\
 Data File : BF132666.D
 Acq On : 07 Mar 2023 00:25
 Operator : CG\JU
 Sample : 01820-03 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-4-03032023

Quant Time: Mar 07 03:24:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

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

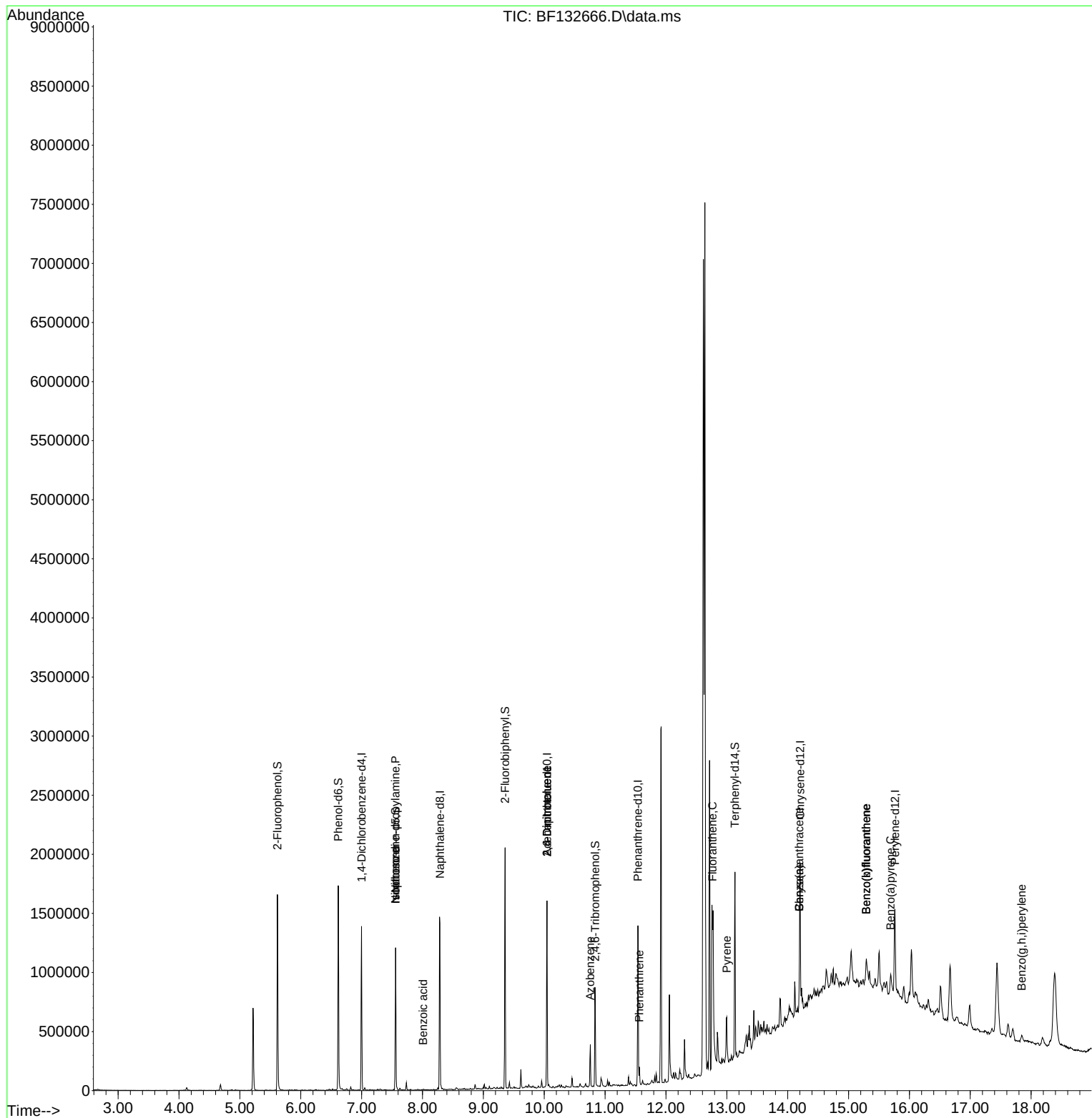
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.998	152	193424	20.000	ng	0.00
21) Naphthalene-d8	8.287	136	665576	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	291336	20.000	ng	0.00
64) Phenanthrene-d10	11.539	188	473863	20.000	ng	0.00
76) Chrysene-d12	14.204	240	418259	20.000	ng	0.00
86) Perylene-d12	15.763	264	339185	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.616	112	465133	39.028	ng	-0.01
7) Phenol-d6	6.616	99	577020	37.098	ng	-0.02
23) Nitrobenzene-d5	7.557	82	349225	24.894	ng	-0.01
42) 2,4,6-Tribromophenol	10.839	330	95651	30.401	ng	0.00
45) 2-Fluorobiphenyl	9.357	172	567032	29.636	ng	-0.01
79) Terphenyl-d14	13.133	244	547135	22.117	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.557	70	45825	4.787	ng	# 75
25) Isophorone	7.557	82	349128	12.981	ng	# 67
32) Benzoic acid	8.010	122	63	3.843	ng	# 76
51) 2,6-Dinitrotoluene	10.045	165	39200	8.114	ng	# 22
57) 2,4-Dinitrotoluene	10.045	165	39200	6.099	ng	# 21
63) Azobenzene	10.757	77	57098	2.602	ng	# 1
71) Phenanthrene	11.563	178	51466	2.097	ng	100
75) Fluoranthene	12.763	202	137901	5.139	ng	99
78) Pyrene	12.998	202	153703	4.042	ng	98
81) Benzo(a)anthracene	14.192	228	77622	2.480	ng	# 93
83) Chrysene	14.192	228	77622	2.652	ng	95
88) Benzo(b)fluoranthene	15.292	252	130230	5.729	ng	# 78
89) Benzo(k)fluoranthene	15.292	252	130230	5.854	ng	# 79
90) Benzo(a)pyrene	15.692	252	63205	2.971	ng	# 80
92) Benzo(g,h,i)perylene	17.845	276	36279	3.327	ng	# 94

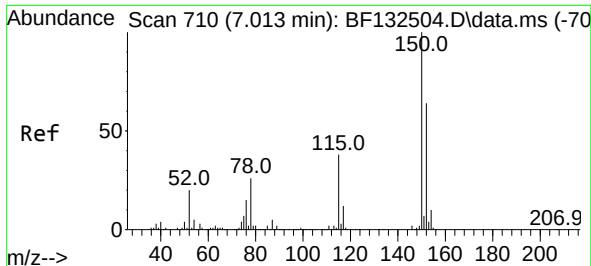
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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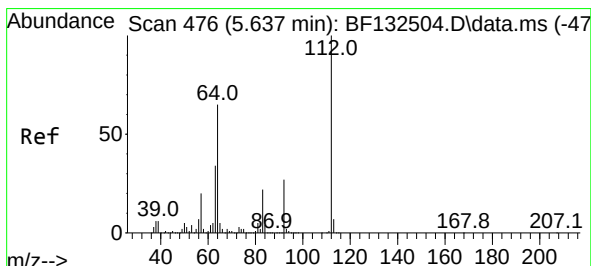
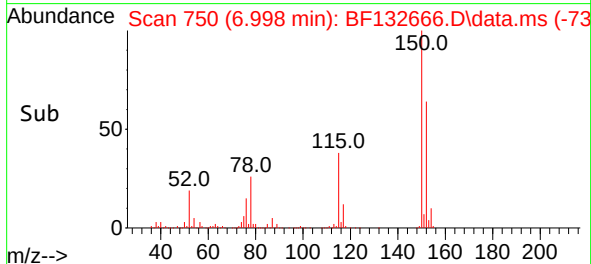
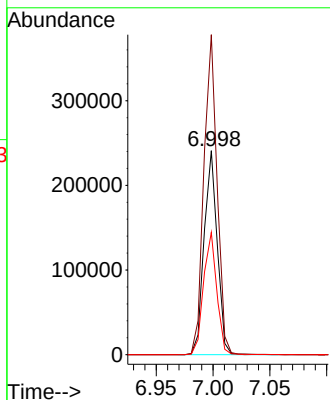
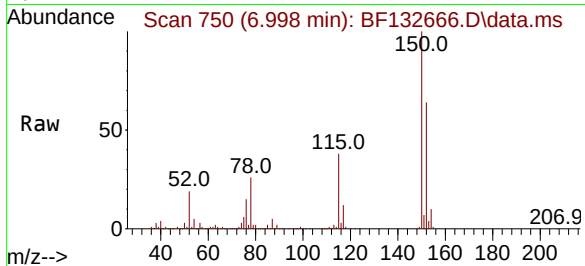




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

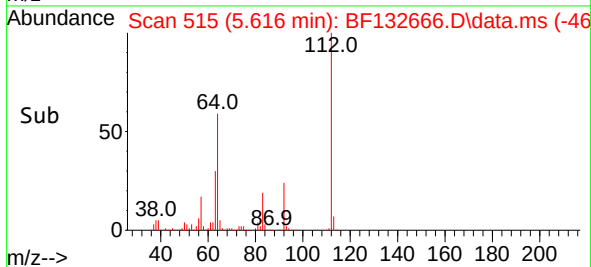
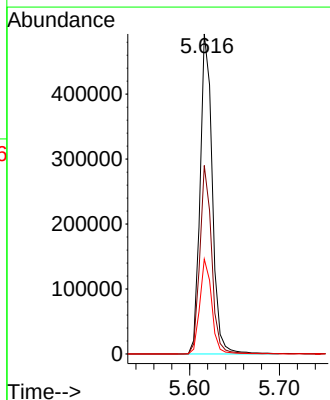
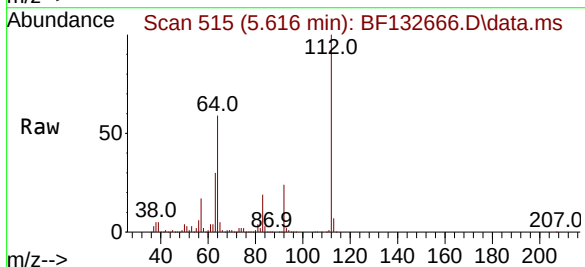
Instrument :
BNA_F
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HR-4-03032023

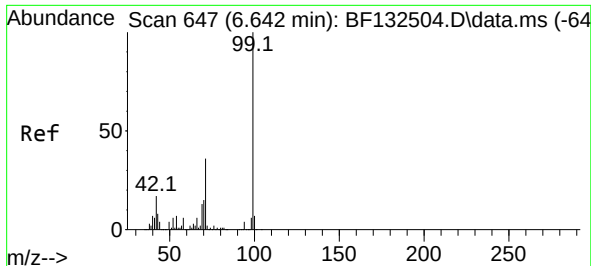
Tgt Ion:152 Resp: 193424
Ion Ratio Lower Upper
152 100
150 156.9 125.4 188.2
115 59.9 47.8 71.6



#5
2-Fluorophenol
Concen: 39.028 ng
RT: 5.616 min Scan# 515
Delta R.T. -0.014 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

Tgt Ion:112 Resp: 465133
Ion Ratio Lower Upper
112 100
64 58.9 51.6 77.4
63 29.7 27.4 41.2

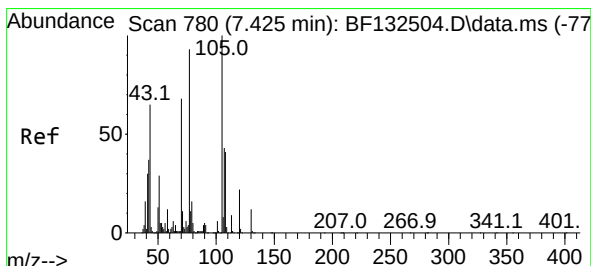
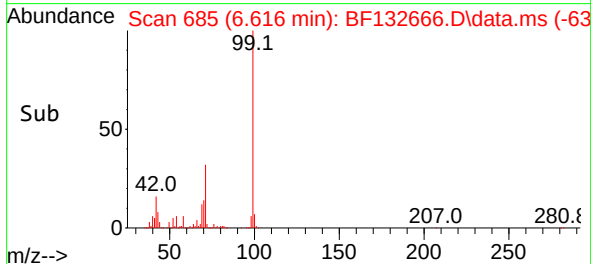
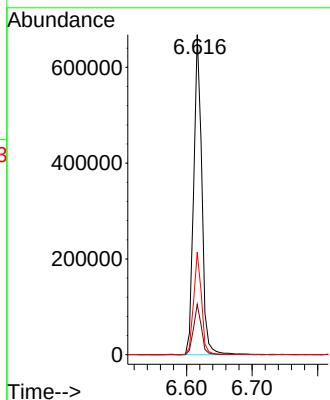
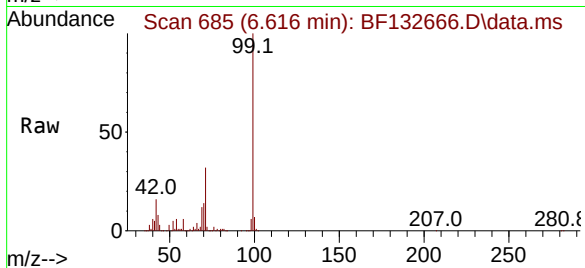




#7
Phenol-d6
Concen: 37.098 ng
RT: 6.616 min Scan# 61
Delta R.T. -0.020 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

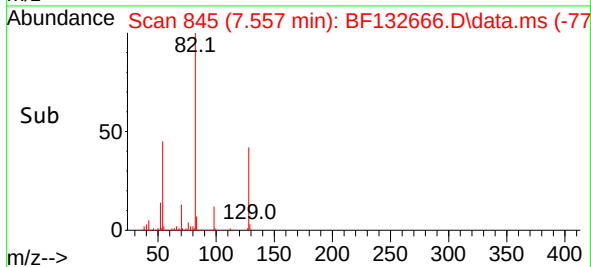
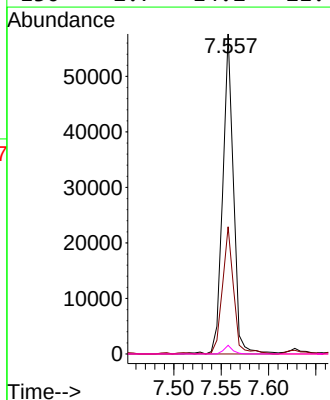
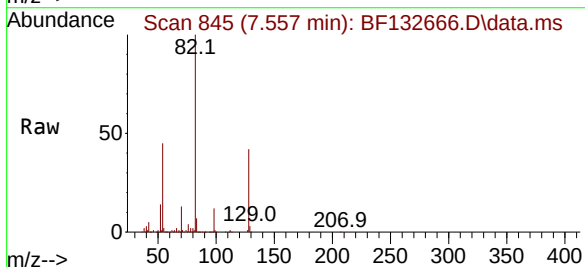
Instrument :
BNA_F
ClientSampleId :
HR-4-03032023

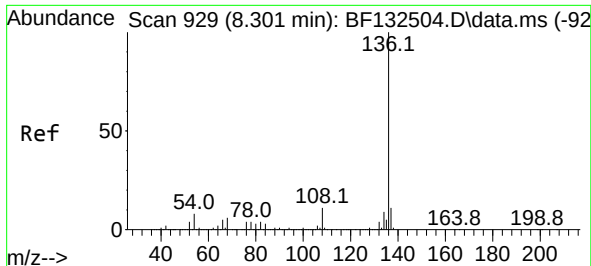
Tgt Ion: 99 Resp: 577020
Ion Ratio Lower Upper
99 100
42 15.8 13.9 20.9
71 32.0 28.5 42.7



#19
n-Nitroso-di-n-propylamine
Concen: 4.787 ng
RT: 7.557 min Scan# 845
Delta R.T. 0.138 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

Tgt Ion: 70 Resp: 45825
Ion Ratio Lower Upper
70 100
42 39.7 44.1 66.1#
101 0.0 7.4 11.2#
130 2.7 14.2 21.4#

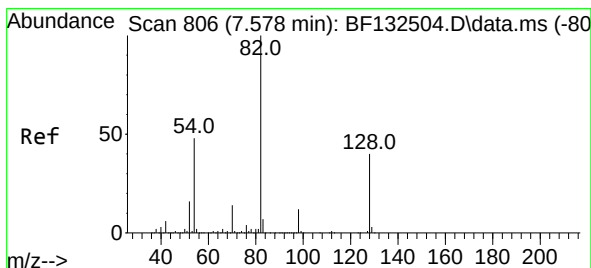
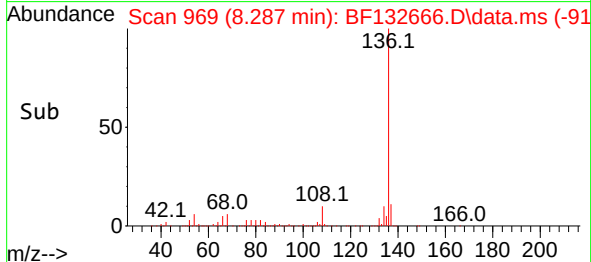
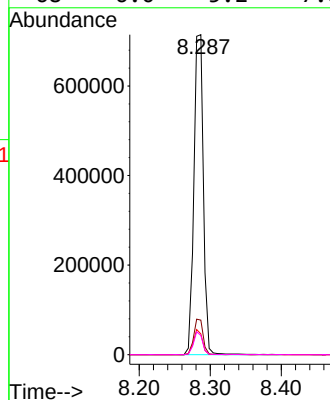
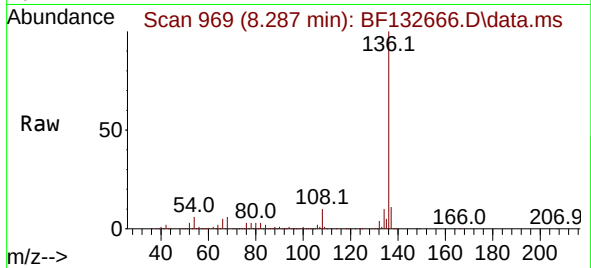




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.287 min Scan# 90
Delta R.T. -0.003 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

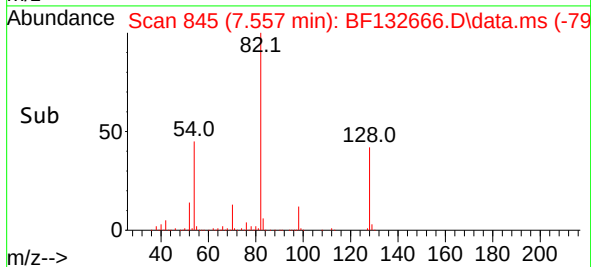
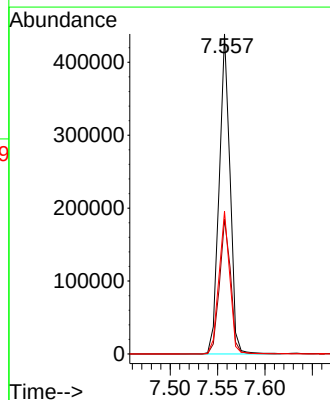
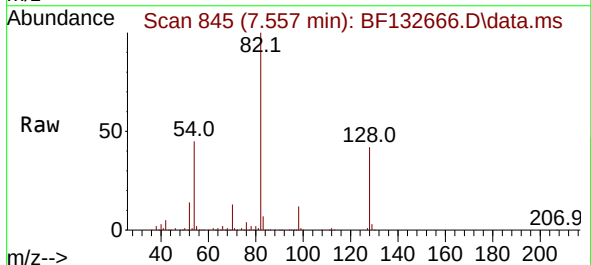
Instrument :
BNA_F
ClientSampleId :
HR-4-03032023

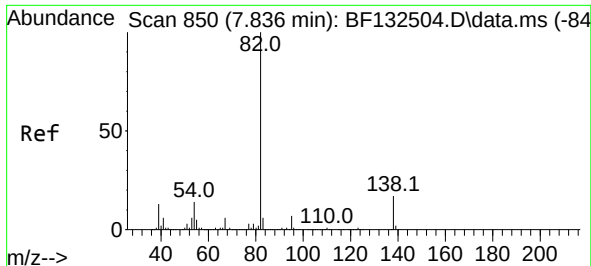
Tgt Ion:136 Resp: 665576
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.5 6.2 9.4
68 6.0 5.2 7.8



#23
Nitrobenzene-d5
Concen: 24.894 ng
RT: 7.557 min Scan# 845
Delta R.T. -0.014 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

Tgt Ion: 82 Resp: 349225
Ion Ratio Lower Upper
82 100
128 42.1 32.2 48.2
54 44.6 38.4 57.6

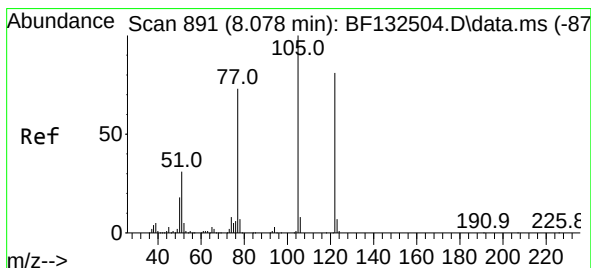
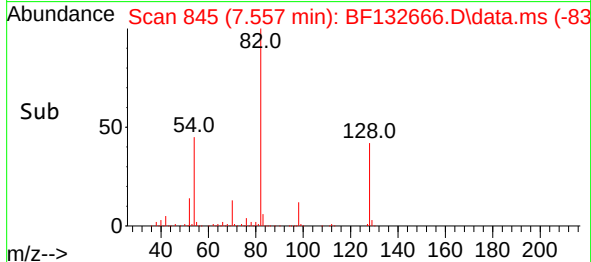
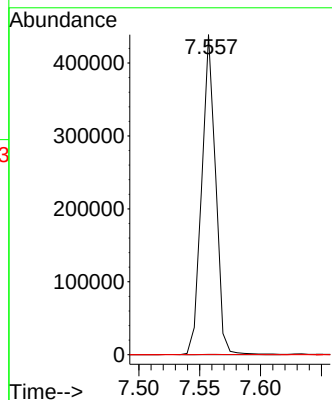
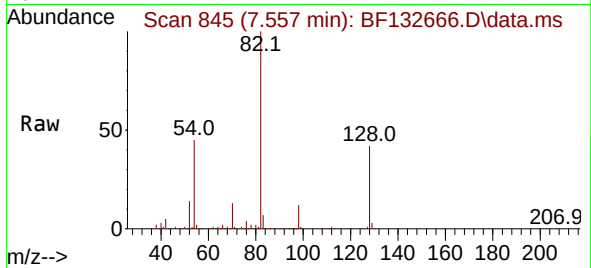




#25
Isophorone
Concen: 12.981 ng
RT: 7.557 min Scan# 84
Delta R.T. -0.267 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

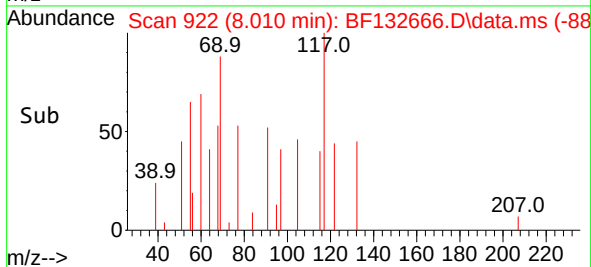
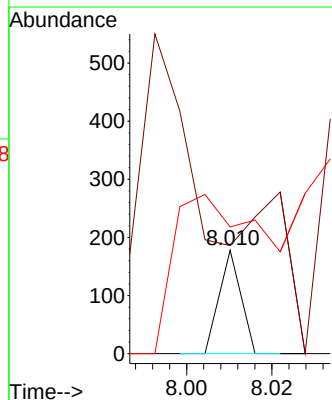
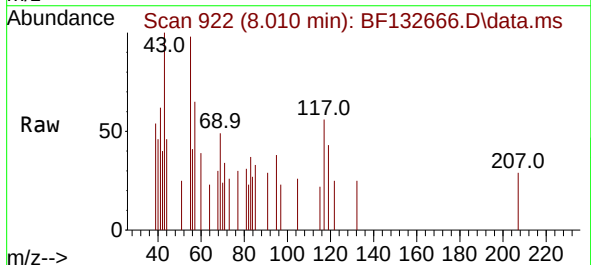
Instrument :
BNA_F
ClientSampleId :
HR-4-03032023

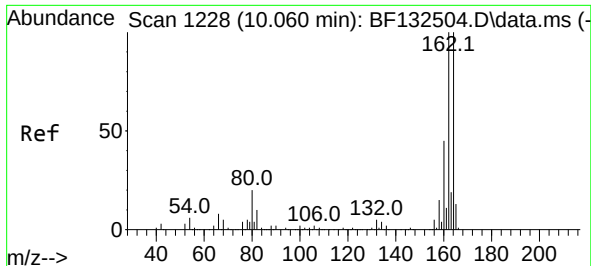
Tgt Ion: 82 Resp: 349128
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.843 ng
RT: 8.010 min Scan# 922
Delta R.T. -0.056 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

Tgt Ion:122 Resp: 63
Ion Ratio Lower Upper
122 100
105 104.5 102.6 142.6
77 122.5 70.2 110.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.045 min Scan# 1

Delta R.T. -0.009 min

Lab File: BF132666.D

Acq: 07 Mar 2023 00:25

Instrument :

BNA_F

ClientSampleId :

HR-4-03032023

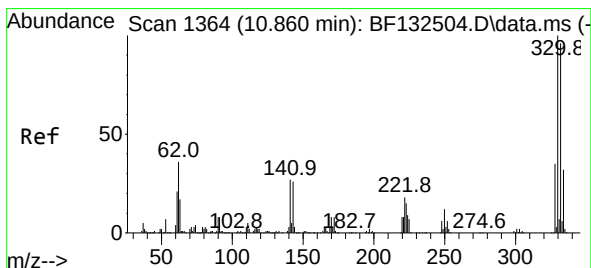
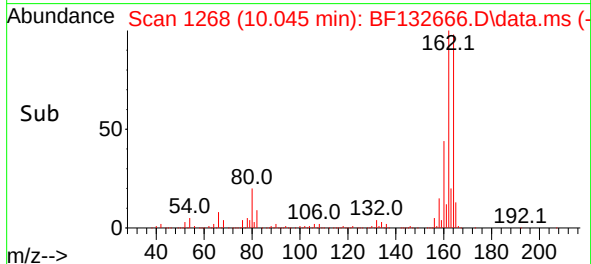
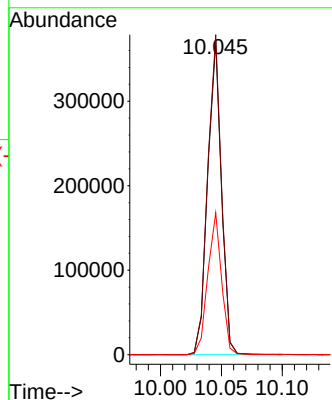
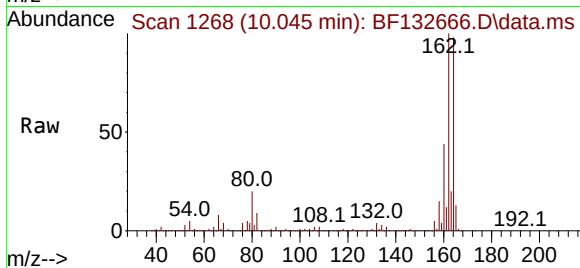
Tgt Ion:164 Resp: 291336

Ion Ratio Lower Upper

164 100

162 102.2 79.8 119.8

160 45.3 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 30.401 ng

RT: 10.839 min Scan# 1403

Delta R.T. -0.009 min

Lab File: BF132666.D

Acq: 07 Mar 2023 00:25

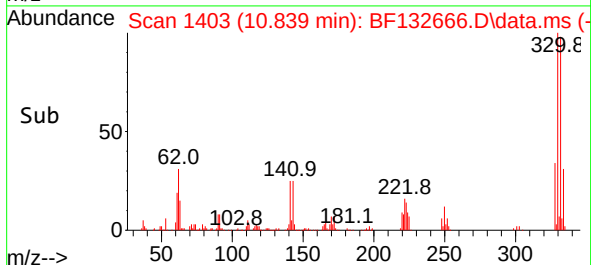
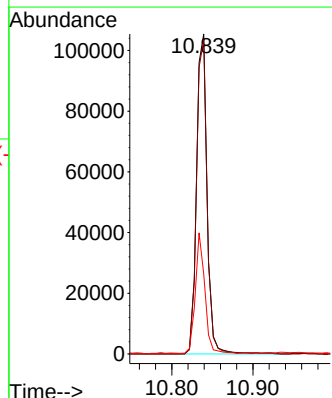
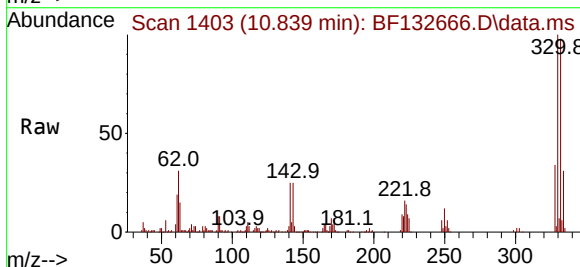
Tgt Ion:330 Resp: 95651

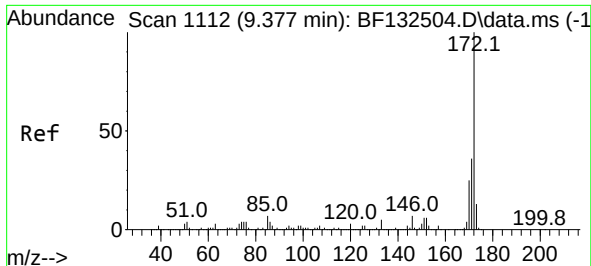
Ion Ratio Lower Upper

330 100

332 97.6 76.2 114.4

141 33.7 28.4 42.6

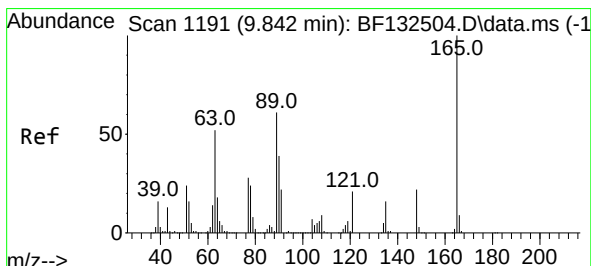
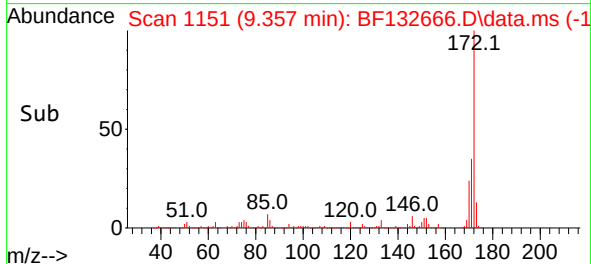
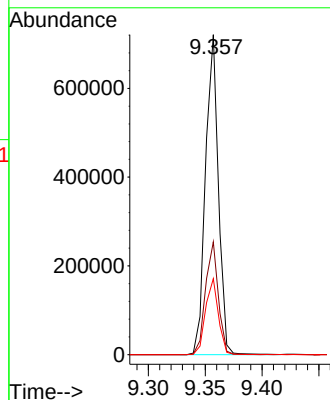
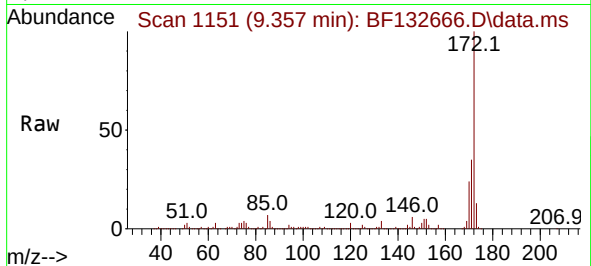




#45
2-Fluorobiphenyl
Concen: 29.636 ng
RT: 9.357 min Scan# 1112
Delta R.T. -0.014 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

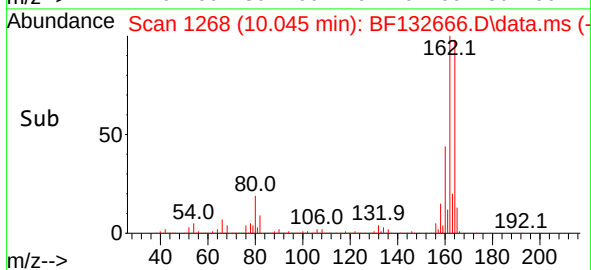
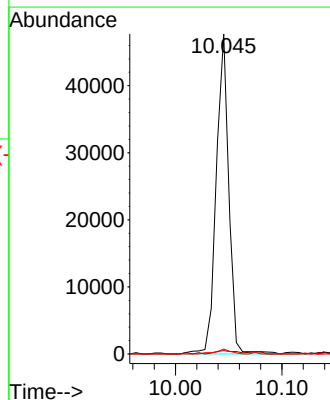
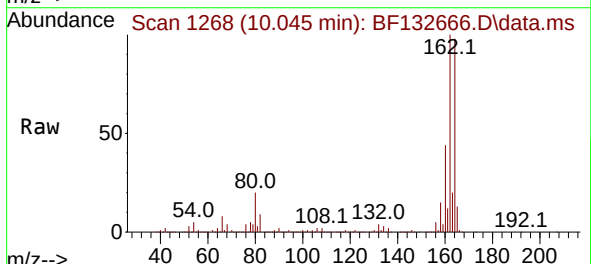
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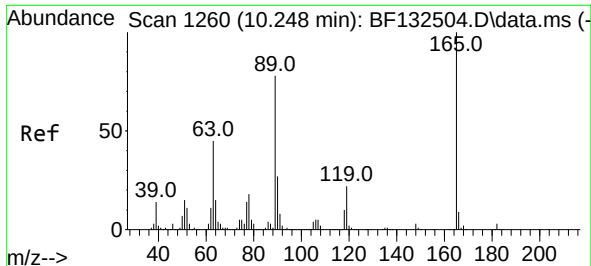
Tgt Ion:172 Resp: 567032
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.8 19.7 29.5



#51
2,6-Dinitrotoluene
Concen: 8.114 ng
RT: 10.045 min Scan# 1268
Delta R.T. 0.209 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

Tgt Ion:165 Resp: 39200
Ion Ratio Lower Upper
165 100
63 1.1 47.3 70.9#
89 1.5 48.9 73.3#

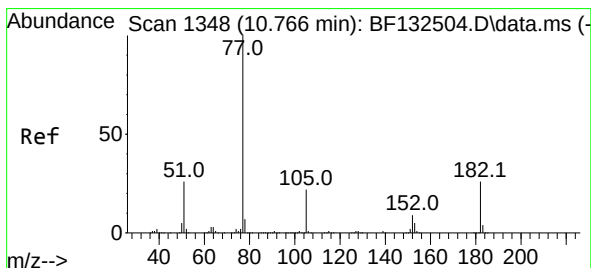
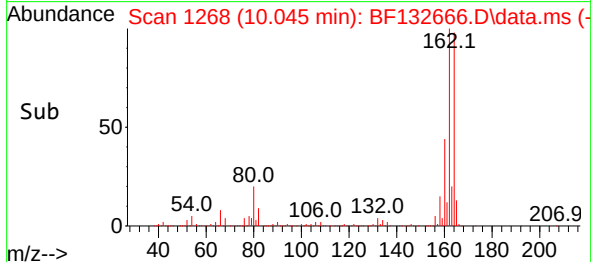
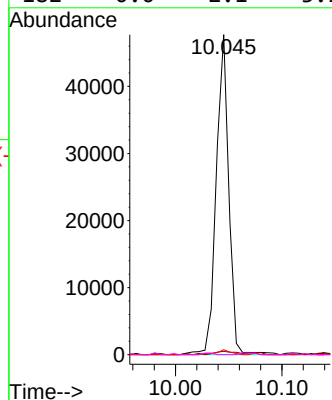
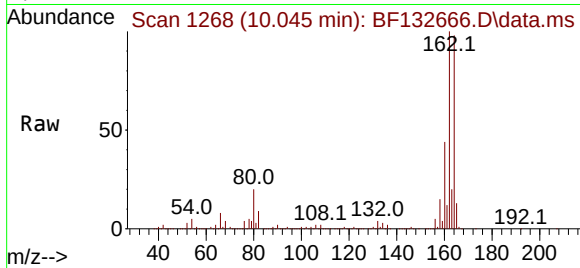




#57
2,4-Dinitrotoluene
Concen: 6.099 ng
RT: 10.045 min Scan# 11
Delta R.T. -0.197 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

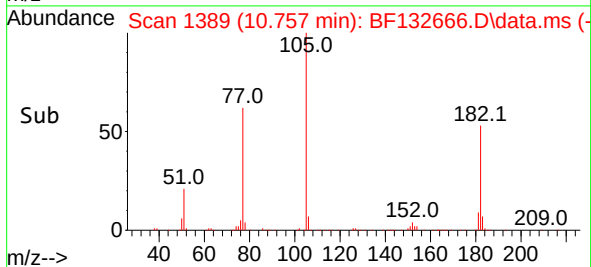
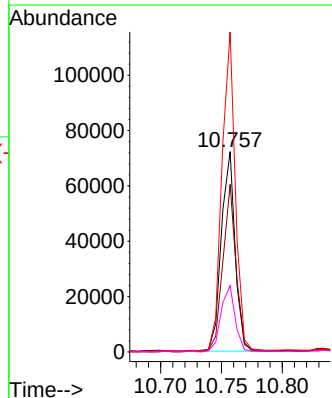
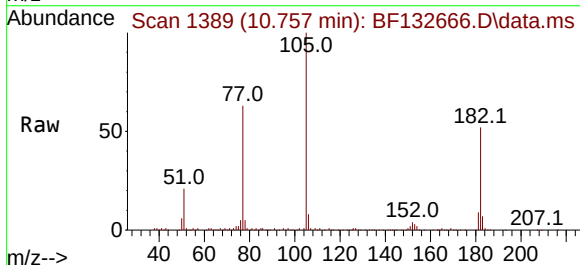
Instrument :
BNA_F
ClientSampleId :
HR-4-03032023

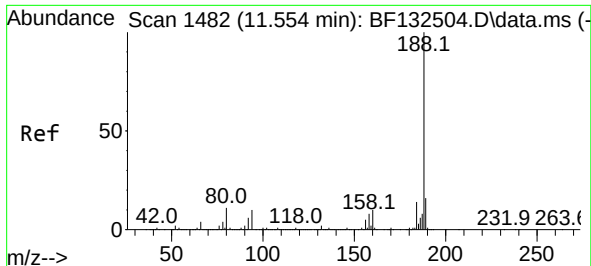
Tgt Ion:165 Resp: 39200
Ion Ratio Lower Upper
165 100
63 1.1 36.5 54.7#
89 1.5 62.4 93.6#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 2.602 ng
RT: 10.757 min Scan# 1389
Delta R.T. 0.003 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

Tgt Ion: 77 Resp: 57098
Ion Ratio Lower Upper
77 100
182 83.6 5.5 45.5#
105 159.8 1.8 41.8#
51 33.1 6.4 46.4

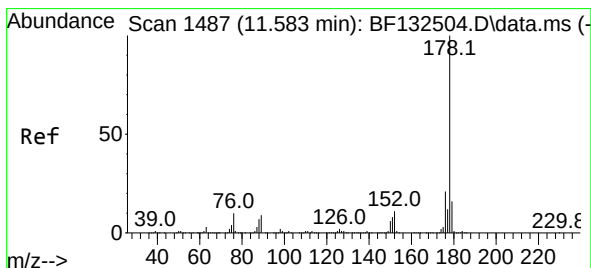
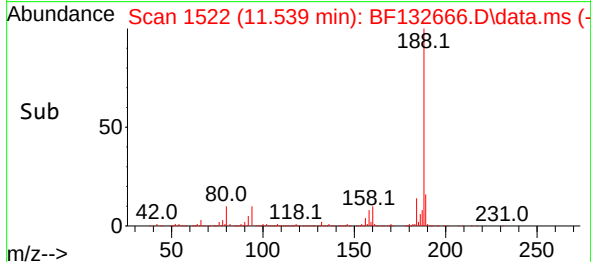
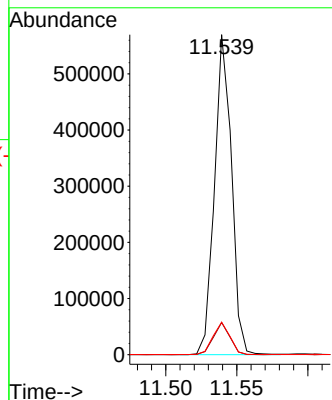
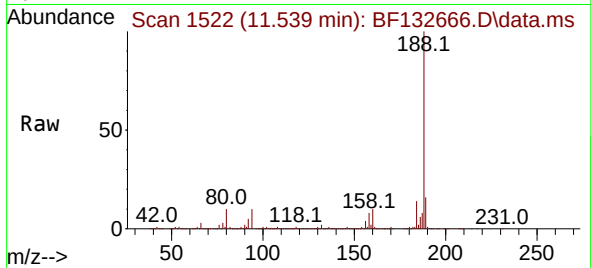




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.539 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

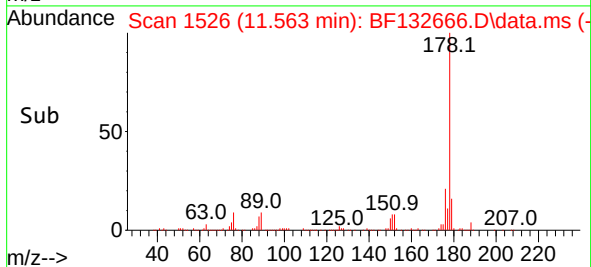
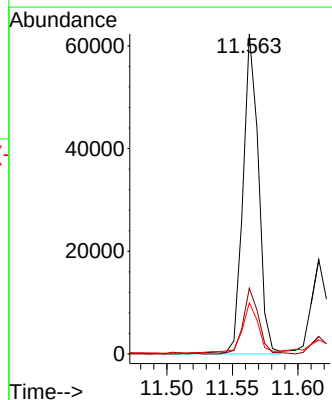
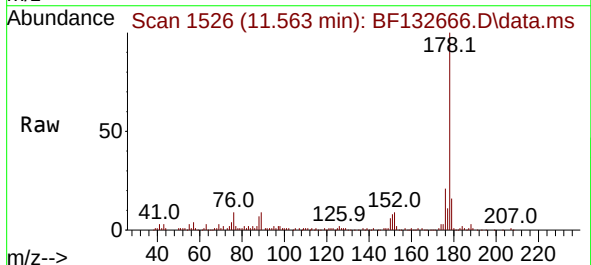
Instrument :
BNA_F
ClientSampleId :
HR-4-03032023

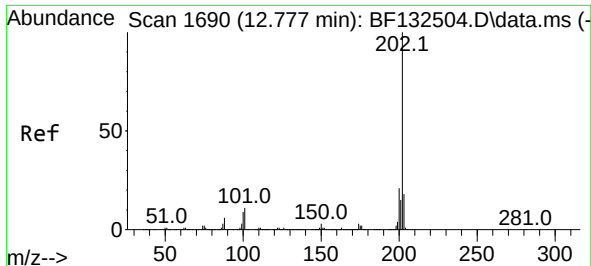
Tgt Ion:188 Resp: 473863
Ion Ratio Lower Upper
188 100
94 10.1 8.3 12.5
80 10.2 8.7 13.1



#71
Phenanthrene
Concen: 2.097 ng
RT: 11.563 min Scan# 1526
Delta R.T. -0.014 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

Tgt Ion:178 Resp: 51466
Ion Ratio Lower Upper
178 100
176 20.6 16.5 24.7
179 15.9 13.0 19.6

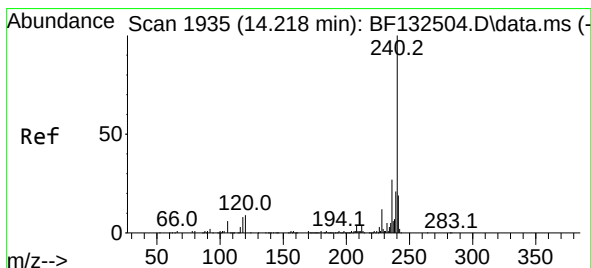
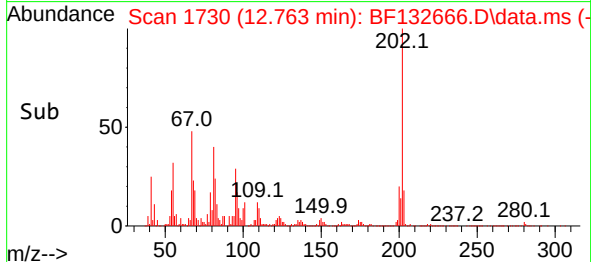
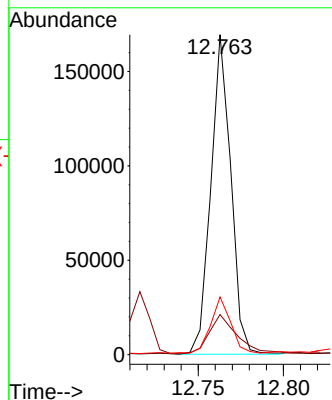
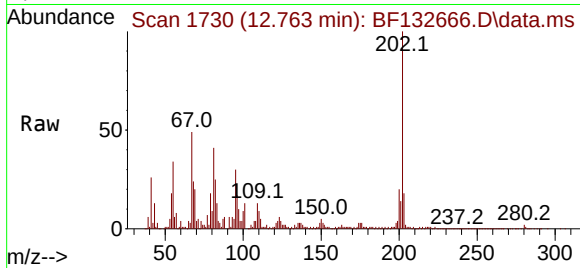




#75
Fluoranthene
Concen: 5.139 ng
RT: 12.763 min Scan# 1730
Delta R.T. -0.009 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

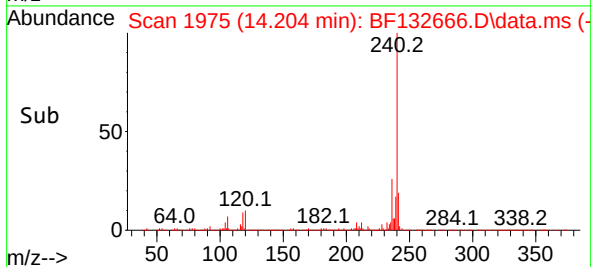
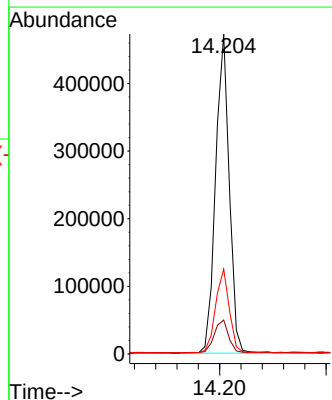
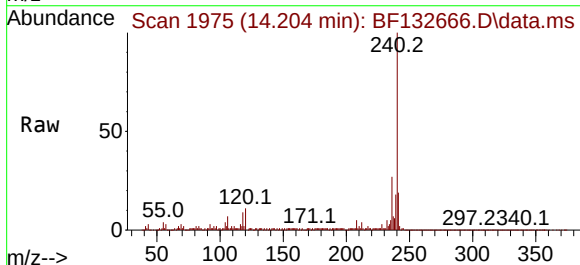
Instrument :
BNA_F
ClientSampleId :
HR-4-03032023

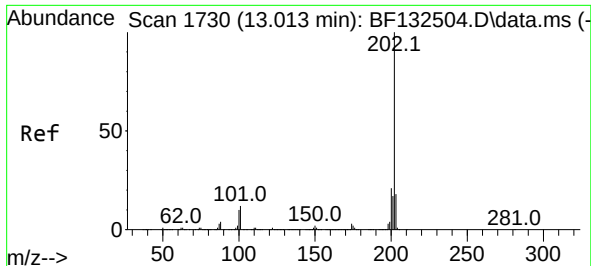
Tgt Ion:202 Resp: 137901
Ion Ratio Lower Upper
202 100
101 12.5 0.0 31.4
203 18.0 0.0 38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.204 min Scan# 1975
Delta R.T. -0.003 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

Tgt Ion:240 Resp: 418259
Ion Ratio Lower Upper
240 100
120 10.6 7.2 10.8
236 26.5 21.8 32.6

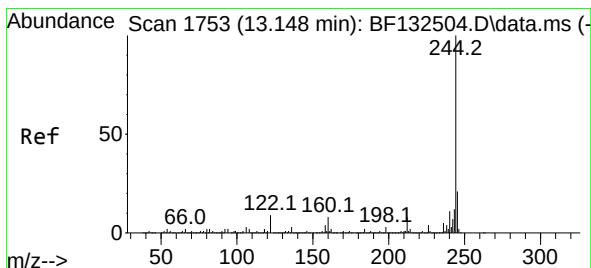
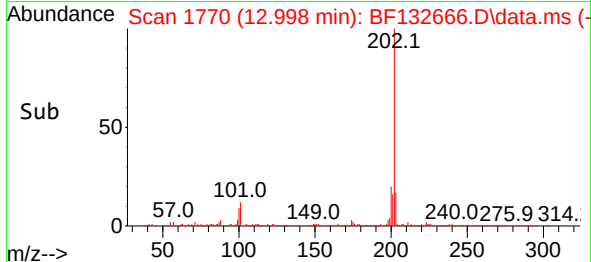
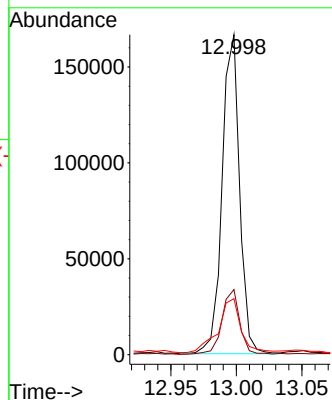
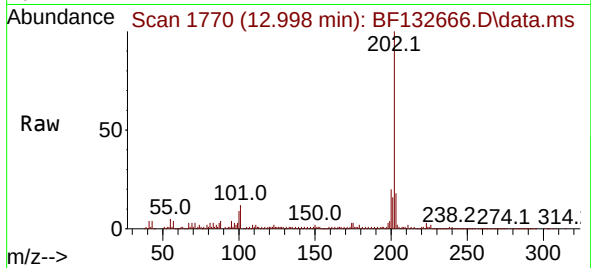




#78
Pyrene
Concen: 4.042 ng
RT: 12.998 min Scan# 1793
Delta R.T. -0.003 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

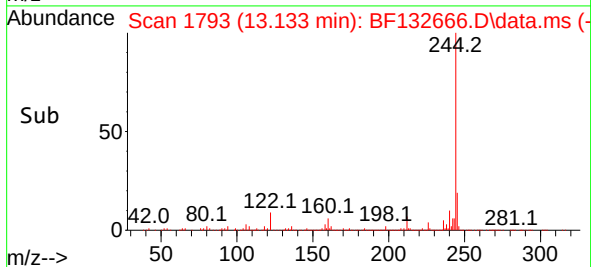
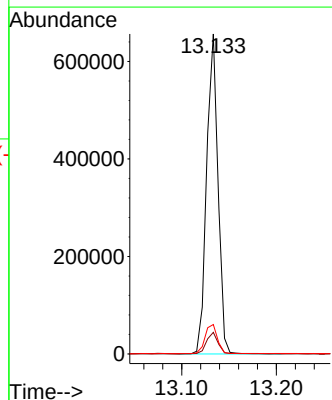
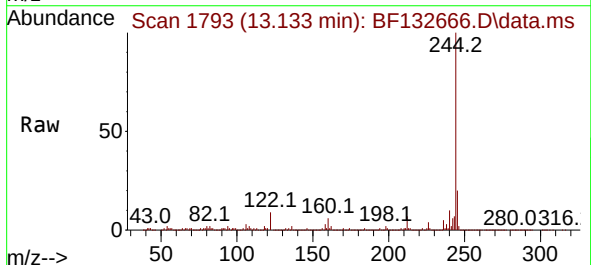
Instrument :
BNA_F
ClientSampleId :
HR-4-03032023

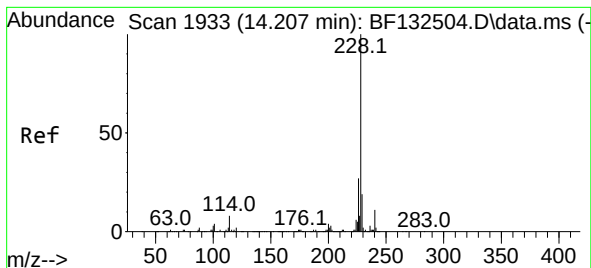
Tgt Ion:202 Resp: 153703
Ion Ratio Lower Upper
202 100
200 20.3 17.1 25.7
203 17.5 14.6 21.8



#79
Terphenyl-d14
Concen: 22.117 ng
RT: 13.133 min Scan# 1793
Delta R.T. -0.009 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

Tgt Ion:244 Resp: 547135
Ion Ratio Lower Upper
244 100
212 6.7 6.5 9.7
122 9.2 7.5 11.3





#81

Benzo(a)anthracene

Concen: 2.480 ng

RT: 14.192 min Scan# 1973

Delta R.T. -0.003 min

Lab File: BF132666.D

Acq: 07 Mar 2023 00:25

Instrument :

BNA_F

ClientSampleId :

HR-4-03032023

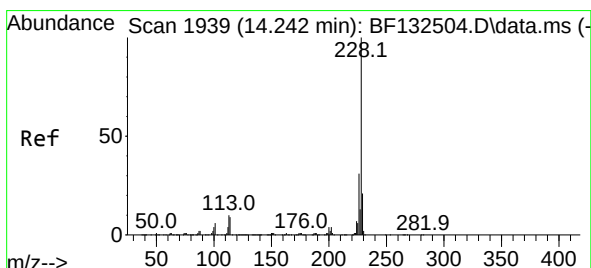
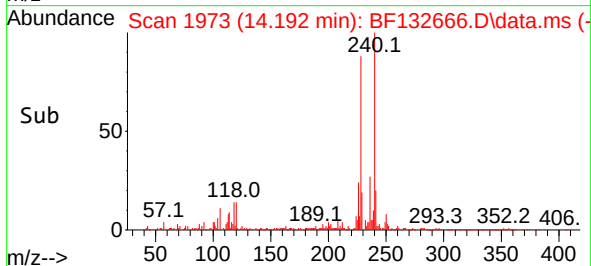
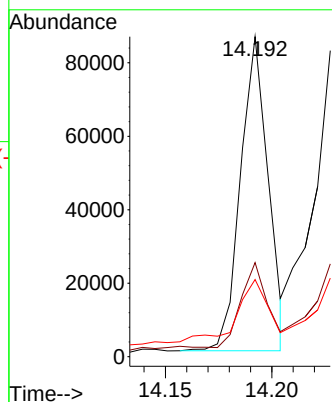
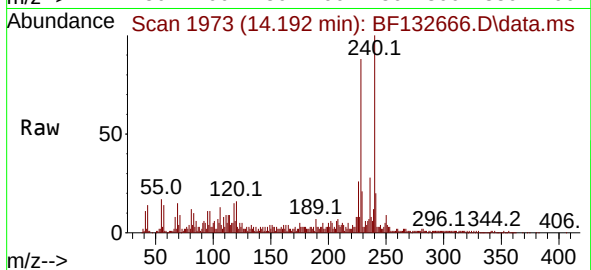
Tgt Ion:228 Resp: 77622

Ion Ratio Lower Upper

228 100

226 29.4 21.7 32.5

229 24.1 15.4 23.2#



#83

Chrysene

Concen: 2.652 ng

RT: 14.192 min Scan# 1973

Delta R.T. -0.044 min

Lab File: BF132666.D

Acq: 07 Mar 2023 00:25

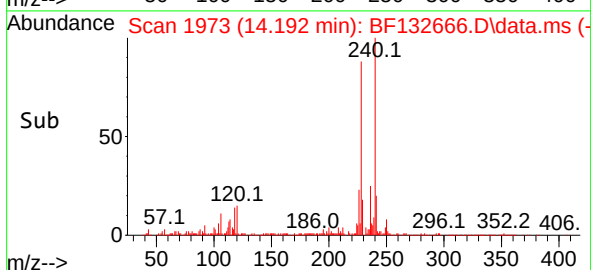
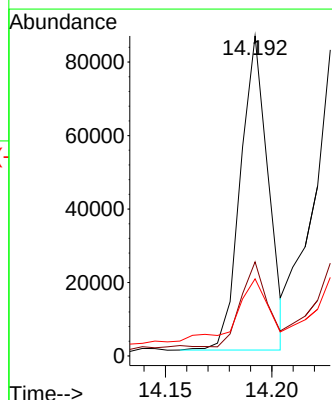
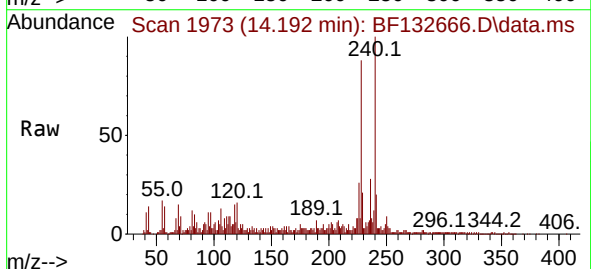
Tgt Ion:228 Resp: 77622

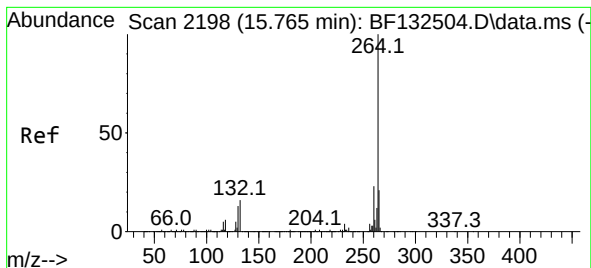
Ion Ratio Lower Upper

228 100

226 29.4 25.0 37.6

229 24.1 16.4 24.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.763 min Scan# 2198

Delta R.T. 0.009 min

Lab File: BF132666.D

Acq: 07 Mar 2023 00:25

Instrument :

BNA_F

ClientSampleId :

HR-4-03032023

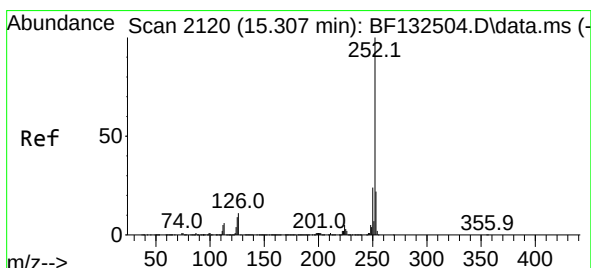
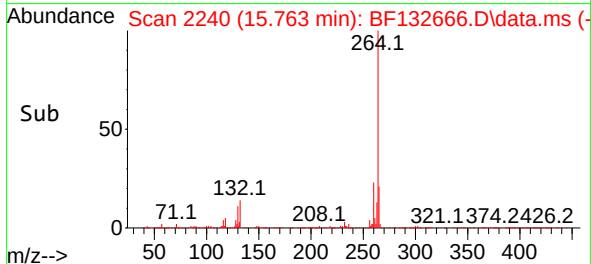
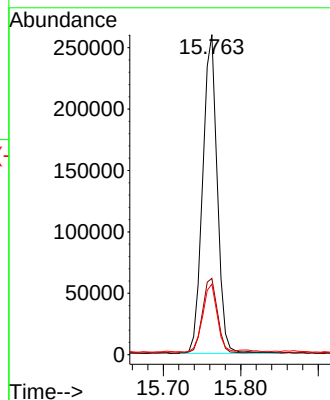
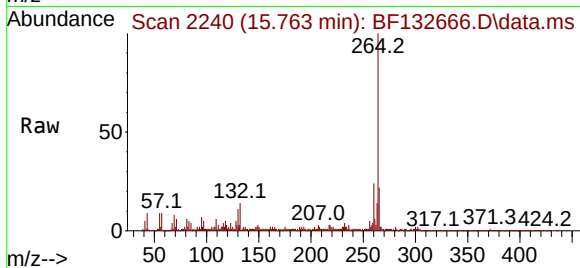
Tgt Ion:264 Resp: 339185

Ion Ratio Lower Upper

264 100

260 23.8 18.8 28.2

265 22.1 17.1 25.7



#88

Benzo(b)fluoranthene

Concen: 5.729 ng

RT: 15.292 min Scan# 2160

Delta R.T. -0.003 min

Lab File: BF132666.D

Acq: 07 Mar 2023 00:25

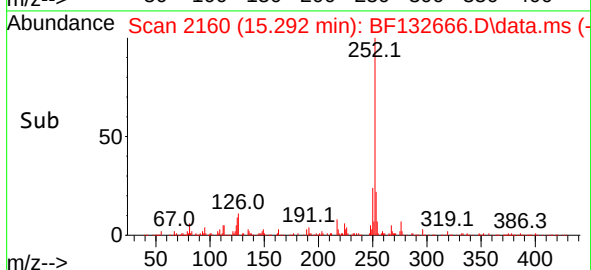
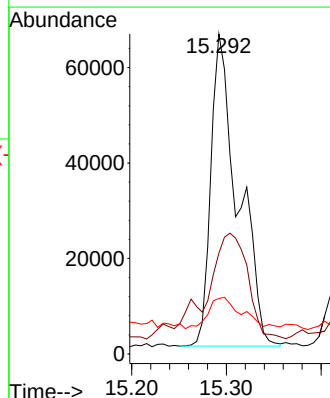
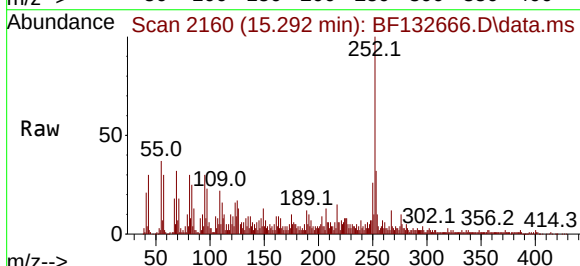
Tgt Ion:252 Resp: 130230

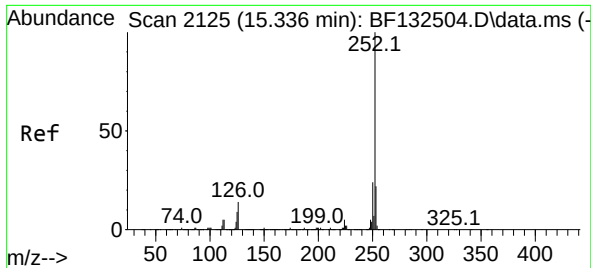
Ion Ratio Lower Upper

252 100

253 31.6 17.4 26.0#

125 17.3 7.0 10.6#

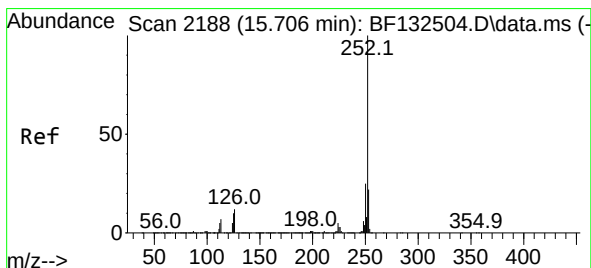
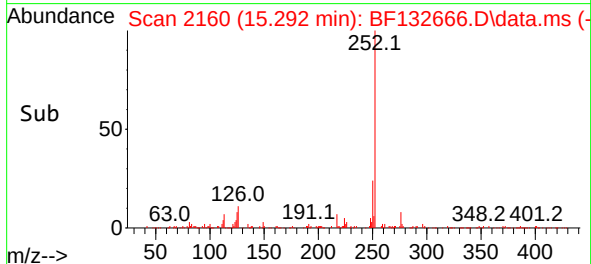
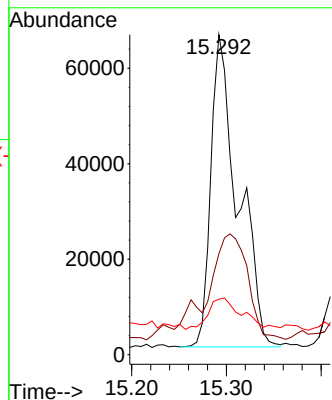
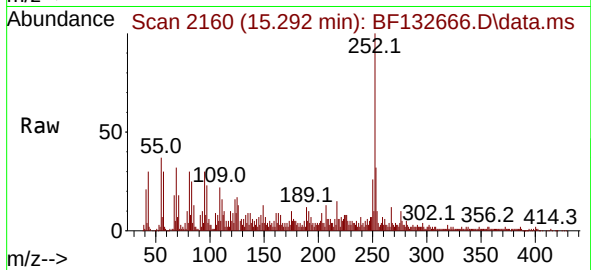




#89
Benzo(k)fluoranthene
Concen: 5.854 ng
RT: 15.292 min Scan# 2125
Delta R.T. -0.032 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

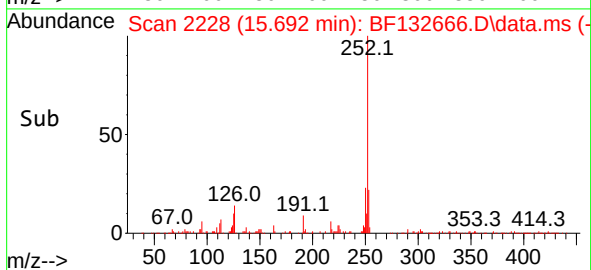
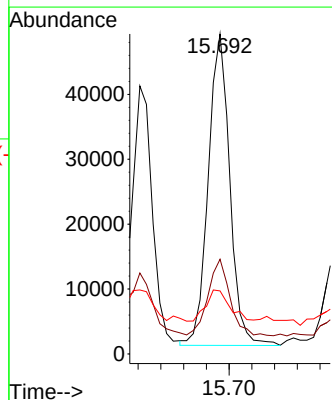
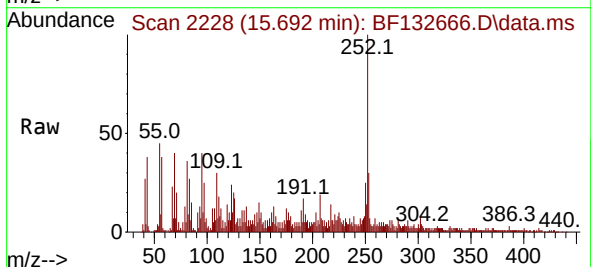
Instrument :
BNA_F
ClientSampleId :
HR-4-03032023

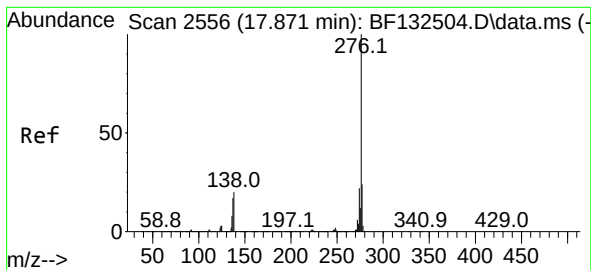
Tgt Ion:252 Resp: 130230
Ion Ratio Lower Upper
252 100
253 31.6 17.5 26.3#
125 17.3 7.2 10.8#



#90
Benzo(a)pyrene
Concen: 2.971 ng
RT: 15.692 min Scan# 2228
Delta R.T. 0.003 min
Lab File: BF132666.D
Acq: 07 Mar 2023 00:25

Tgt Ion:252 Resp: 63205
Ion Ratio Lower Upper
252 100
253 29.6 17.2 25.8#
125 19.7 8.0 12.0#





#92

Benzo(g,h,i)perylene

Concen: 3.327 ng

RT: 17.845 min Scan# 21

Delta R.T. -0.009 min

Lab File: BF132666.D

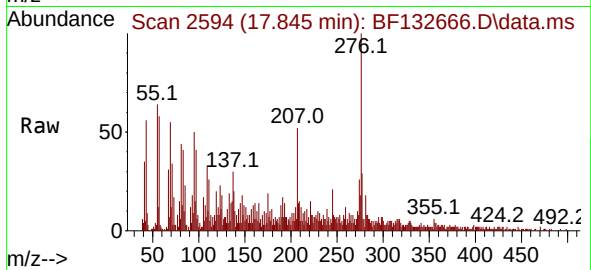
Acq: 07 Mar 2023 00:25

Instrument :

BNA_F

ClientSampleId :

HR-4-03032023



Tgt Ion:276 Resp: 36279

Ion Ratio Lower Upper

276 100

277 29.2 18.9 28.3#

138 20.4 16.2 24.4

