

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030623\
 Data File : BF132664.D
 Acq On : 06 Mar 2023 23:23
 Operator : CG\JU
 Sample : 01818-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC7

Quant Time: Mar 07 01:00:31 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	184936	20.000	ng	0.00
21) Naphthalene-d8	8.281	136	662602	20.000	ng	0.00
39) Acenaphthene-d10	10.045	164	334954	20.000	ng	0.00
64) Phenanthrene-d10	11.539	188	549238	20.000	ng	0.00
76) Chrysene-d12	14.198	240	342723	20.000	ng	# 0.00
86) Perylene-d12	15.757	264	421871	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.622	112	918330	80.591	ng	0.00
7) Phenol-d6	6.622	99	1165153	78.349	ng	-0.01
23) Nitrobenzene-d5	7.563	82	737392	52.800	ng	0.00
42) 2,4,6-Tribromophenol	10.839	330	257337	71.139	ng	0.00
45) 2-Fluorobiphenyl	9.357	172	1190210	54.106	ng	-0.01
79) Terphenyl-d14	13.133	244	958226	47.272	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.563	70	93496	10.215	ng	# 74
25) Isophorone	7.563	82	737382	27.539	ng	# 67
32) Benzoic acid	8.057	122	217	3.860	ng	# 71
51) 2,6-Dinitrotoluene	10.045	165	44423	7.998	ng	# 23
57) 2,4-Dinitrotoluene	10.045	165	44423	6.012	ng	# 21
63) Azobenzene	10.757	77	50468	2.001	ng	# 1
67) 4-Bromophenyl-phenylether	10.839	248	16551	2.664	ng	# 1
71) Phenanthrene	11.563	178	85786	3.015	ng	97
75) Fluoranthene	12.763	202	126103	4.054	ng	99
78) Pyrene	12.992	202	125589	4.031	ng	97
81) Benzo(a)anthracene	14.192	228	58641	2.287	ng	94
83) Chrysene	14.227	228	59255	2.471	ng	96
88) Benzo(b)fluoranthene	15.292	252	113225	4.005	ng	# 93
89) Benzo(k)fluoranthene	15.292	252	113225	4.092	ng	# 93
90) Benzo(a)pyrene	15.686	252	60583	2.290	ng	# 92
92) Benzo(g,h,i)perylene	17.833	276	37420	3.035	ng	# 90

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

Instrument :
BNA_F
ClientSampleId :
WC7

TIC: BF132664.D\data.ms

Abundance

Time-->

3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00 17.00 18.00

2-Fluorophenol,S

Phenol-d6,S

1,4-Dichlorobenzene-d4,I

Nitrobenzene-d5,C(=O)/amine,P

Nitrobenzene-d5,C(=O)/amine,P

Benzic acid

Naphthalene-d8,I

2-Fluorobiphenyl,S

2,6-Dichlorobenzene-d0,I

2,4-Dichlorobenzene-d0,I

2,4,6-Trichlorobenzene-d0,I

Azobenzene

Phenanthrene

Phenanthrene-d10,I

Fluoranthene,C

Pyrene

Terphenyl-d14,S

Chrysene

Benzo(a)anthracene

Chrysene-d12,I

Benzo(b)fluoranthene

Benzo(a)pyrene,C

Perylene-d12,I

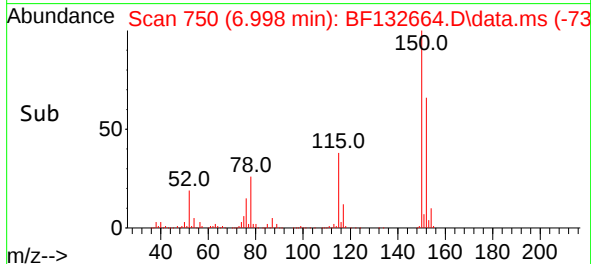
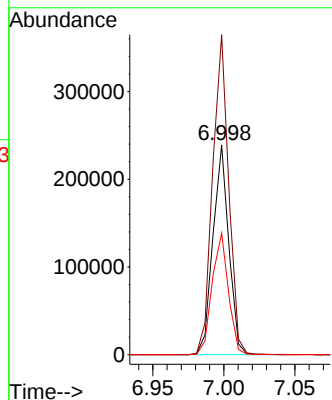
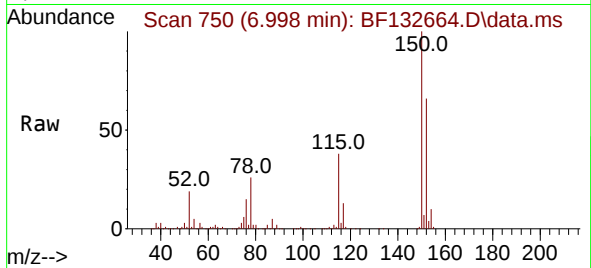
Benzo(g,h,i)perylene



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.998 min Scan# 710
Delta R.T. -0.009 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

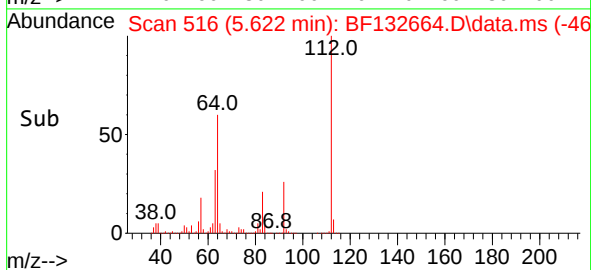
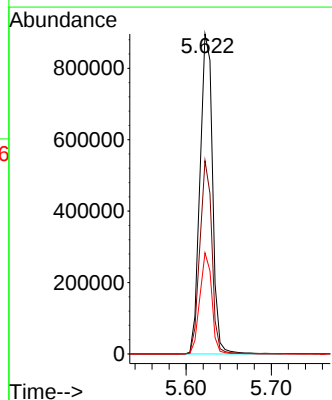
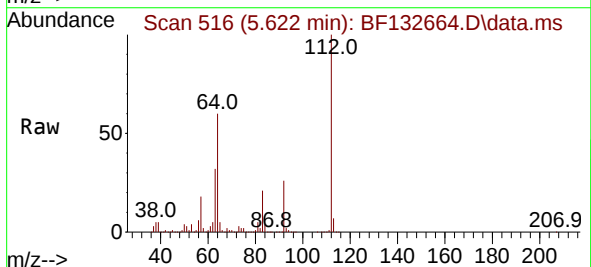
Instrument :
BNA_F
ClientSampleId :
WC7

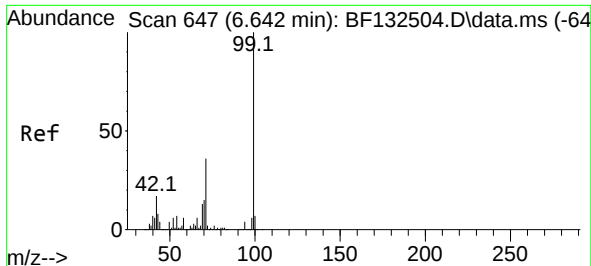
Tgt Ion:152 Resp: 184936
Ion Ratio Lower Upper
152 100
150 152.5 125.4 188.2
115 58.0 47.8 71.6



#5
2-Fluorophenol
Concen: 80.591 ng
RT: 5.622 min Scan# 516
Delta R.T. -0.009 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

Tgt Ion:112 Resp: 918330
Ion Ratio Lower Upper
112 100
64 60.4 51.6 77.4
63 31.6 27.4 41.2



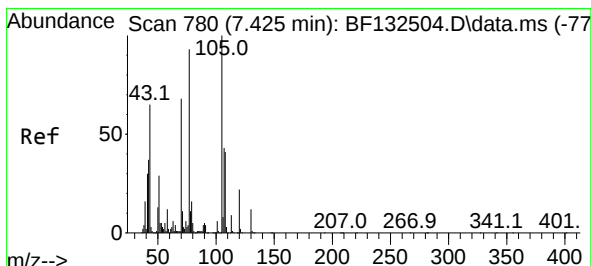
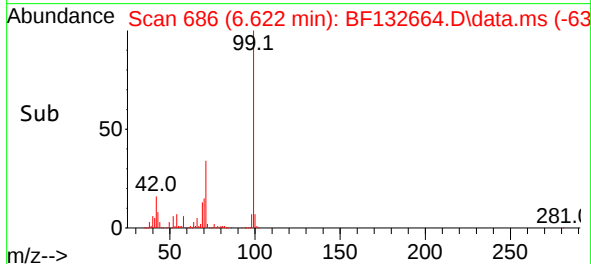
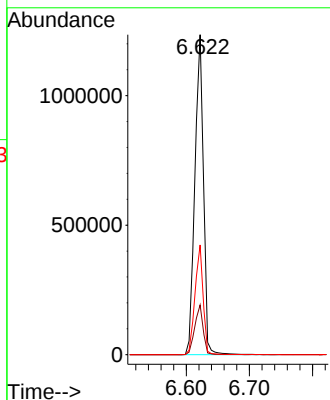
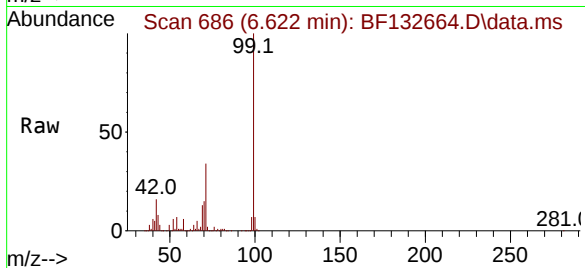


#7
Phenol-d6
Concen: 78.349 ng
RT: 6.622 min Scan# 61
Delta R.T. -0.015 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

Instrument :
BNA_F
ClientSampleId :
WC7

Tgt Ion: 99 Resp: 1165153

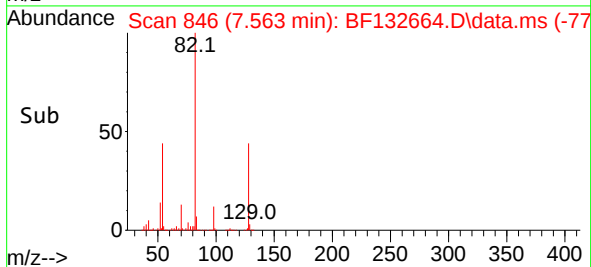
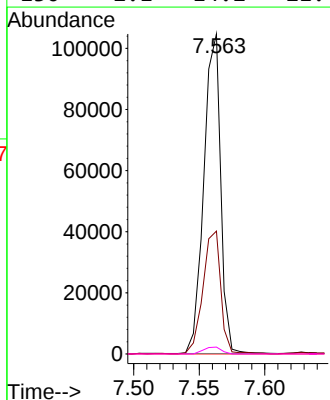
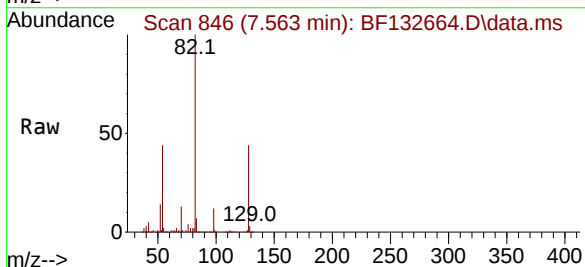
Ion	Ratio	Lower	Upper
99	100		
42	15.5	13.9	20.9
71	34.3	28.5	42.7

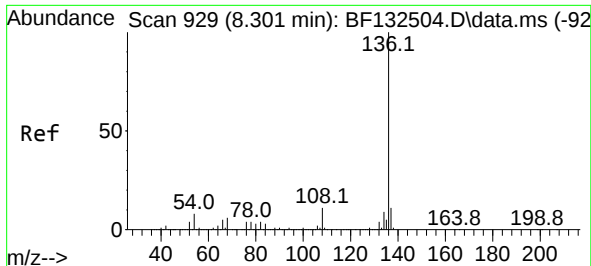


#19
n-Nitroso-di-n-propylamine
Concen: 10.215 ng
RT: 7.563 min Scan# 846
Delta R.T. 0.144 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

Tgt Ion: 70 Resp: 93496

Ion	Ratio	Lower	Upper
70	100		
42	38.4	44.1	66.1#
101	0.0	7.4	11.2#
130	2.1	14.2	21.4#

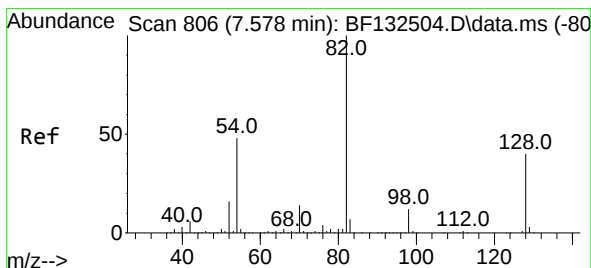
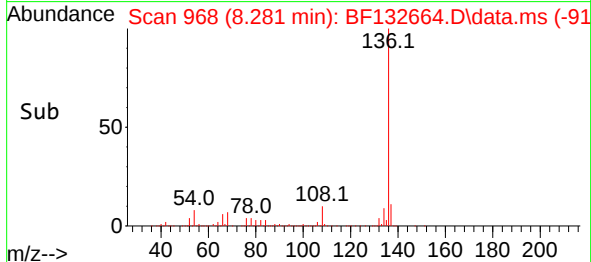
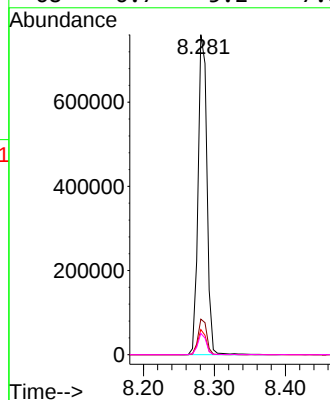
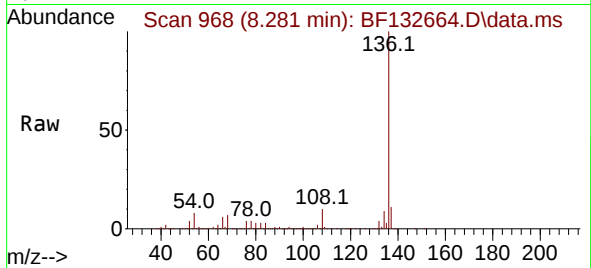




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.281 min Scan# 910
Delta R.T. -0.009 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

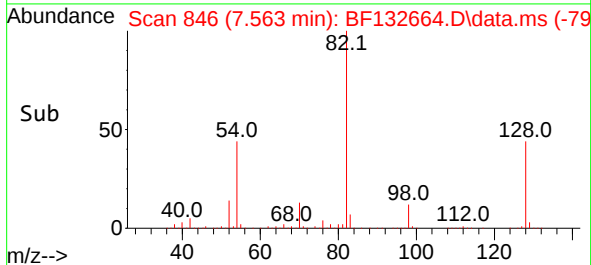
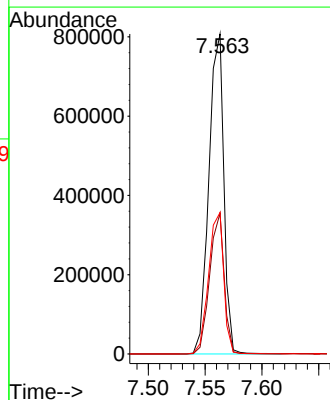
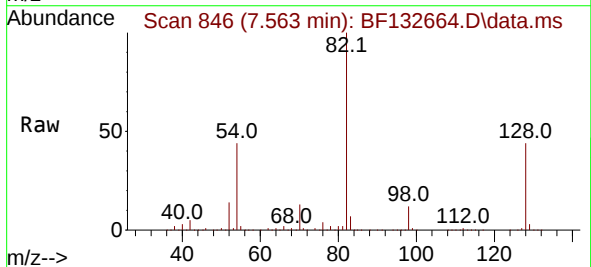
Instrument :
BNA_F
ClientSampleId :
WC7

Tgt Ion:136 Resp: 662602
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 7.9 6.2 9.4
68 6.7 5.2 7.8



#23
Nitrobenzene-d5
Concen: 52.800 ng
RT: 7.563 min Scan# 846
Delta R.T. -0.009 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

Tgt Ion: 82 Resp: 737392
Ion Ratio Lower Upper
82 100
128 44.0 32.2 48.2
54 44.2 38.4 57.6

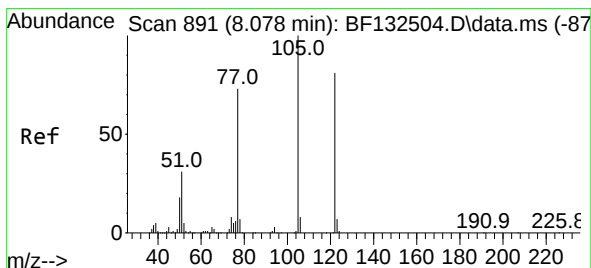
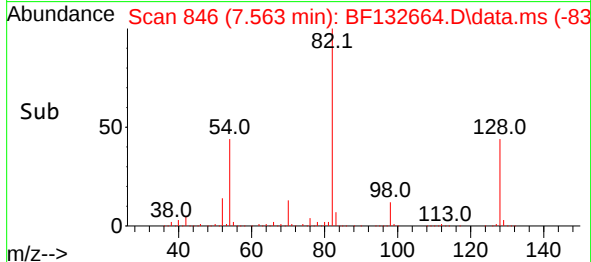
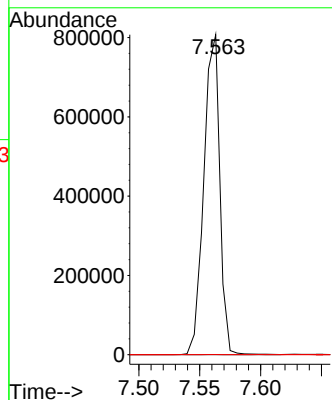
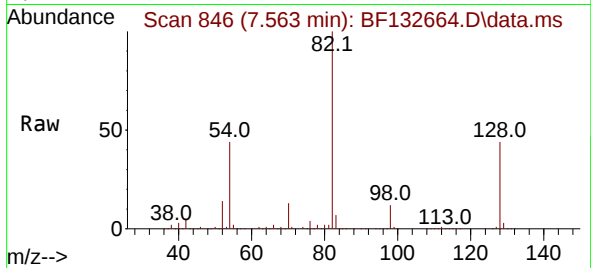




#25
Isophorone
Concen: 27.539 ng
RT: 7.563 min Scan# 84
Delta R.T. -0.262 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

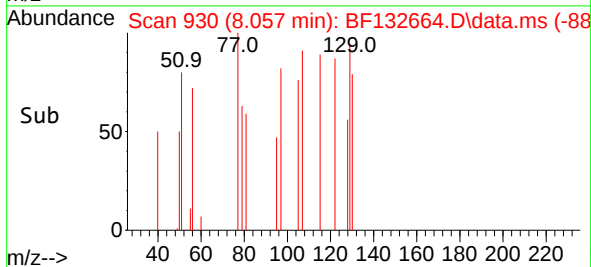
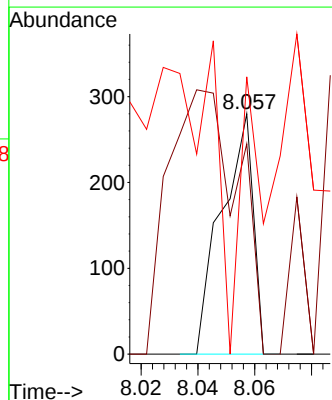
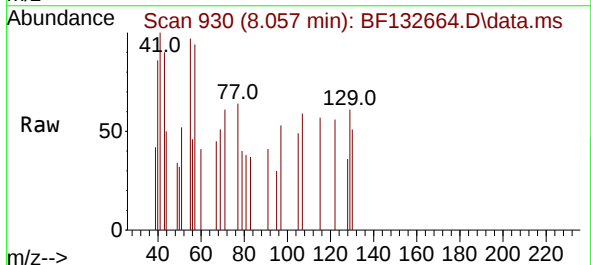
Instrument :
BNA_F
ClientSampleId :
WC7

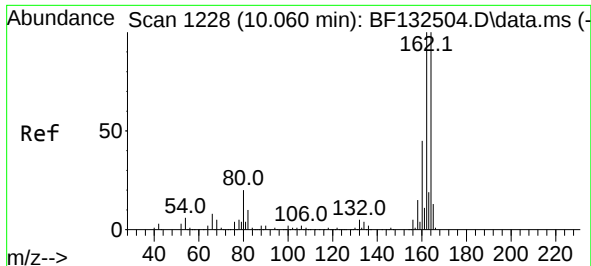
Tgt Ion: 82 Resp: 737382
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 13.3 19.9#



#32
Benzoic acid
Concen: 3.860 ng
RT: 8.057 min Scan# 930
Delta R.T. -0.009 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

Tgt Ion: 122 Resp: 217
Ion Ratio Lower Upper
122 100
105 87.5 102.6 142.6#
77 115.4 70.2 110.2#

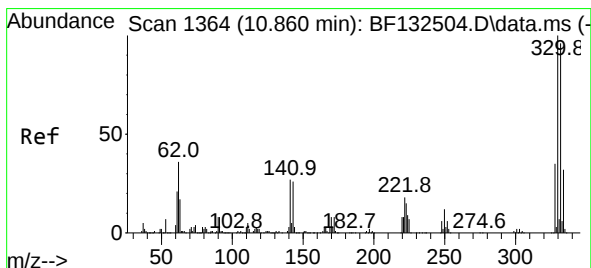
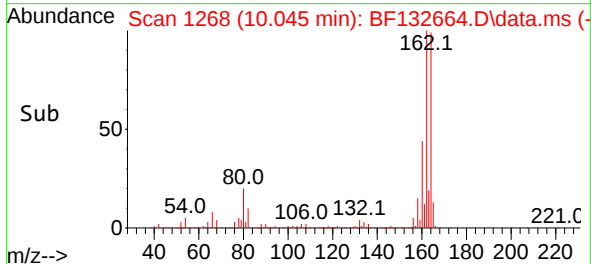
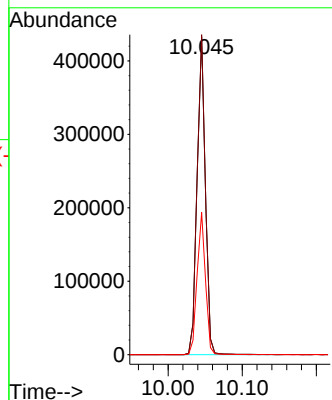
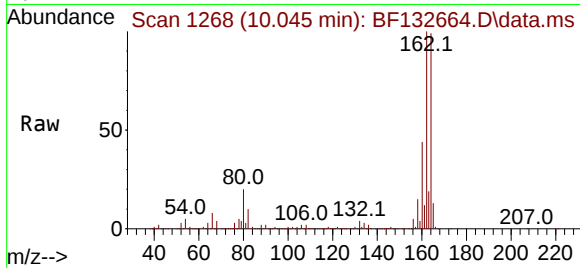




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.045 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

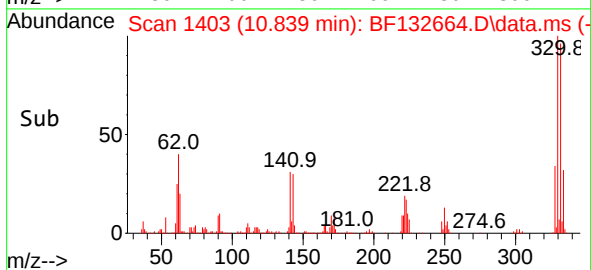
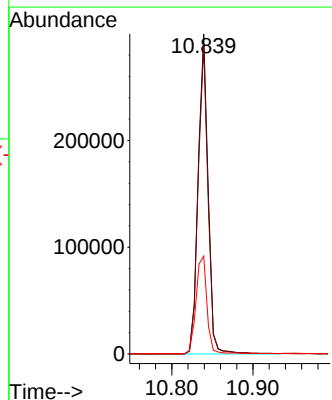
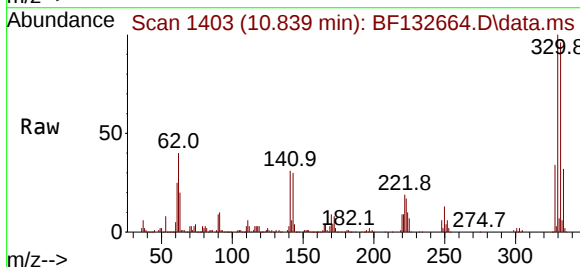
Instrument :
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ClientSampleId :
WC7

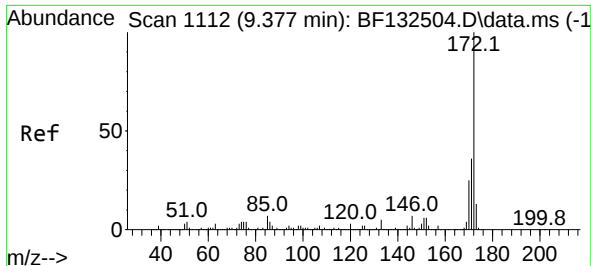
Tgt Ion:164 Resp: 334954
Ion Ratio Lower Upper
164 100
162 100.7 79.8 119.8
160 44.8 35.8 53.6



#42
2,4,6-Tribromophenol
Concen: 71.139 ng
RT: 10.839 min Scan# 1403
Delta R.T. -0.009 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

Tgt Ion:330 Resp: 257337
Ion Ratio Lower Upper
330 100
332 95.9 76.2 114.4
141 33.5 28.4 42.6

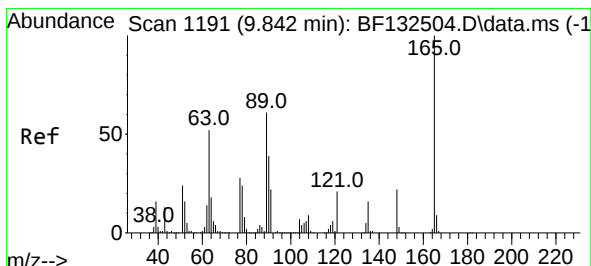
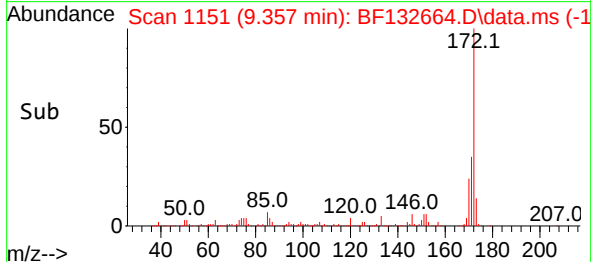
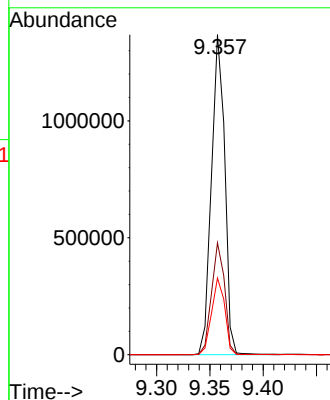
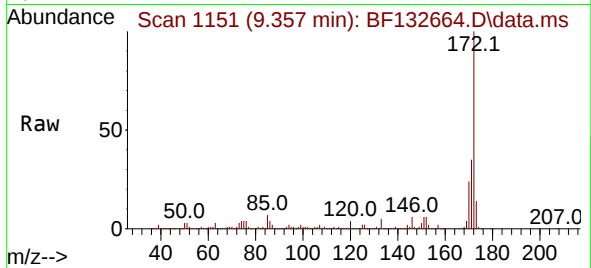




#45
2-Fluorobiphenyl
Concen: 54.106 ng
RT: 9.357 min Scan# 1112
Delta R.T. -0.015 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

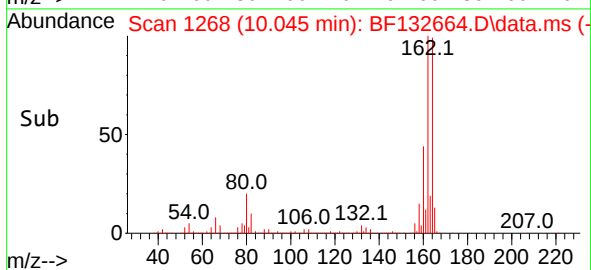
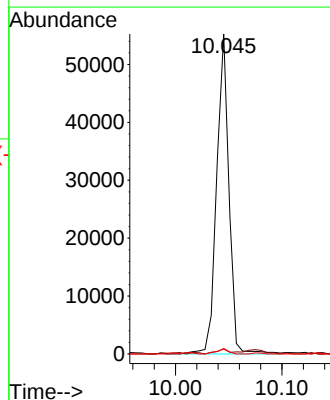
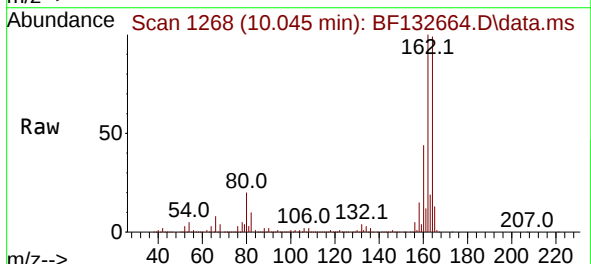
Instrument :
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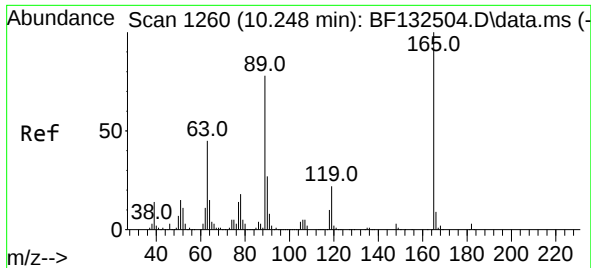
Tgt Ion:172 Resp: 1190210
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 23.9 19.7 29.5



#51
2,6-Dinitrotoluene
Concen: 7.998 ng
RT: 10.045 min Scan# 1268
Delta R.T. 0.209 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

Tgt Ion:165 Resp: 44423
Ion Ratio Lower Upper
165 100
63 1.6 47.3 70.9#
89 1.7 48.9 73.3#

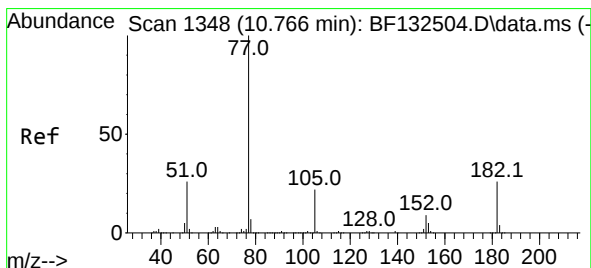
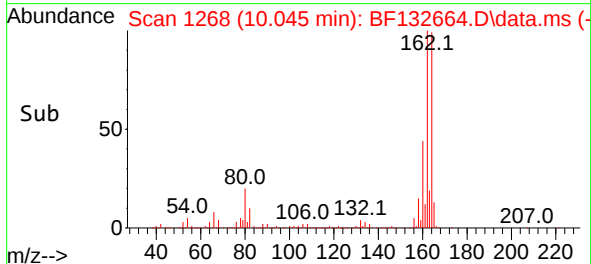
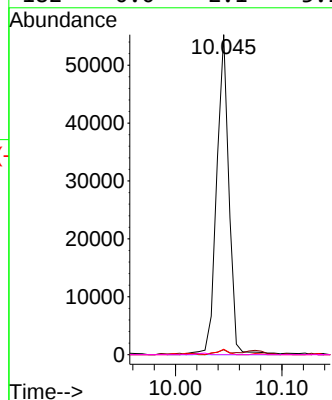
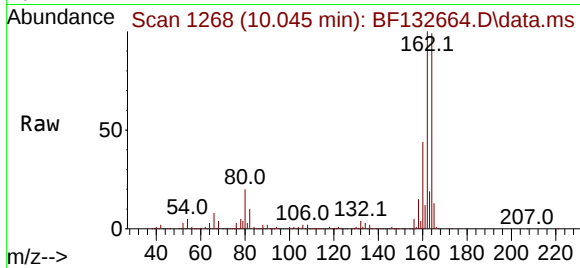




#57
2,4-Dinitrotoluene
Concen: 6.012 ng
RT: 10.045 min Scan# 11
Delta R.T. -0.197 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

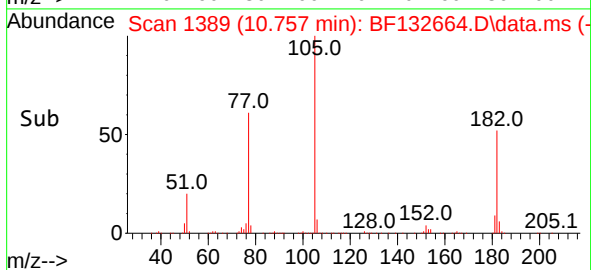
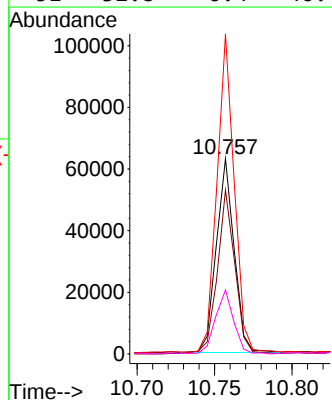
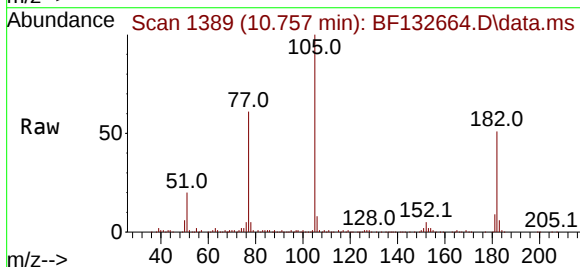
Instrument :
BNA_F
ClientSampleId :
WC7

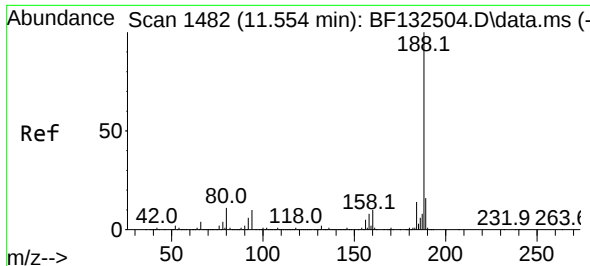
Tgt Ion:165 Resp: 44423
Ion Ratio Lower Upper
165 100
63 1.6 36.5 54.7#
89 1.7 62.4 93.6#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 2.001 ng
RT: 10.757 min Scan# 1389
Delta R.T. 0.003 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

Tgt Ion: 77 Resp: 50468
Ion Ratio Lower Upper
77 100
182 83.9 5.5 45.5#
105 163.8 1.8 41.8#
51 32.8 6.4 46.4

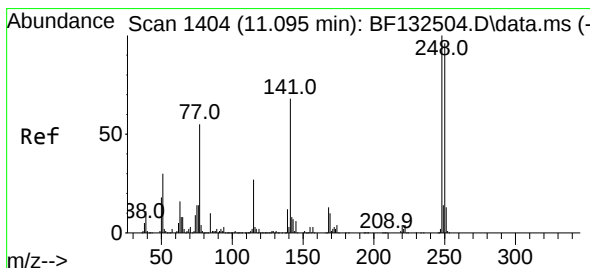
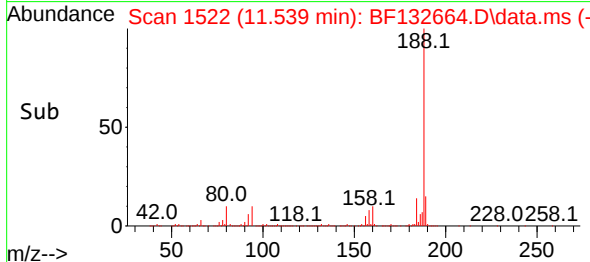
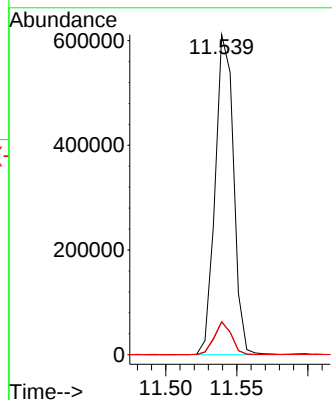
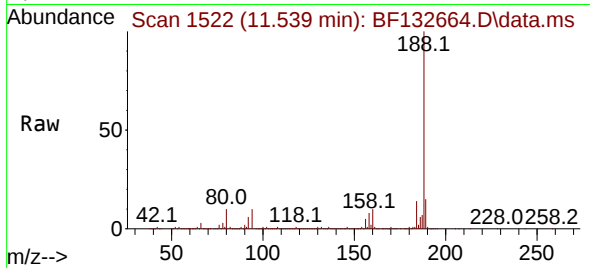




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.539 min Scan# 11
Delta R.T. -0.009 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

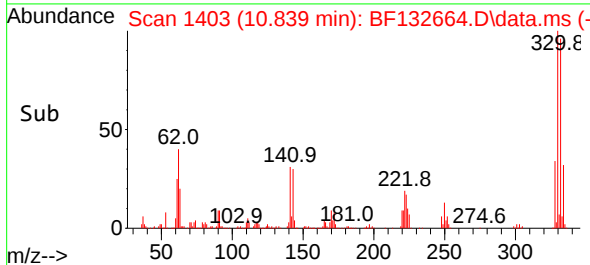
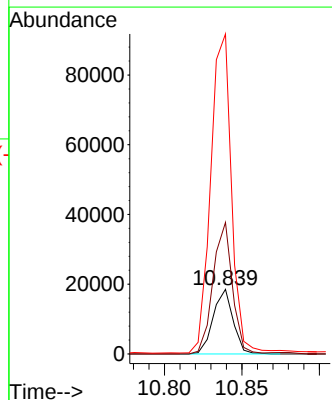
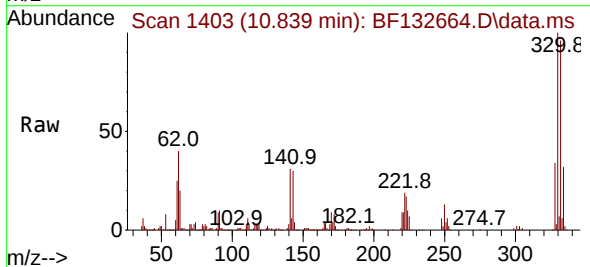
Instrument :
BNA_F
ClientSampleId :
WC7

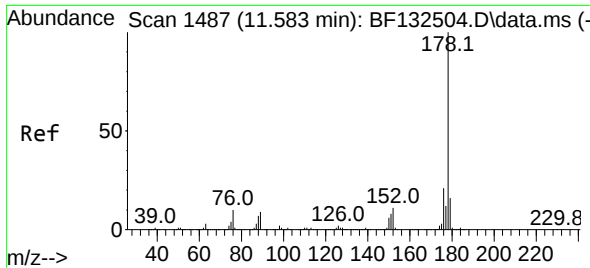
Tgt Ion:188 Resp: 549238
Ion Ratio Lower Upper
188 100
94 10.2 8.3 12.5
80 10.3 8.7 13.1



#67
4-Bromophenyl-phenylether
Concen: 2.664 ng
RT: 10.839 min Scan# 1403
Delta R.T. -0.250 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

Tgt Ion:248 Resp: 16551
Ion Ratio Lower Upper
248 100
250 203.6 77.0 115.4#
141 495.1 54.2 81.2#

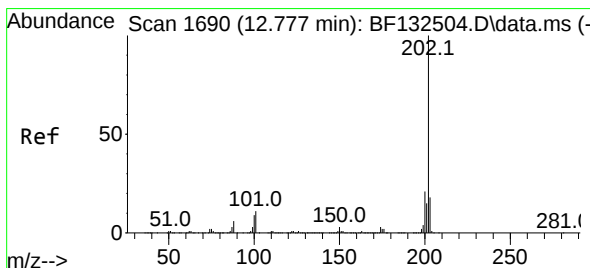
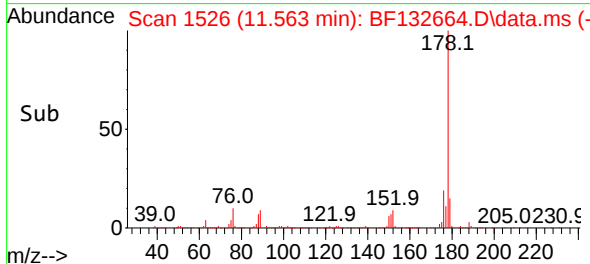
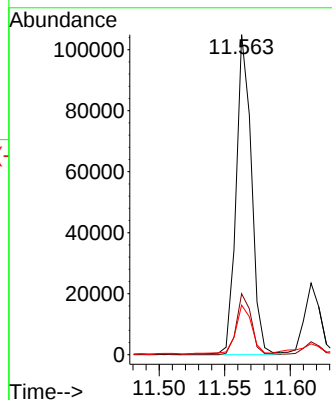
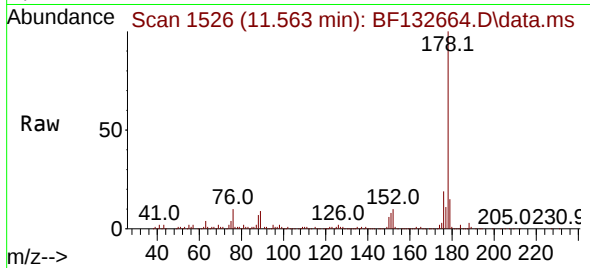




#71
Phenanthrene
Concen: 3.015 ng
RT: 11.563 min Scan# 11
Delta R.T. -0.015 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

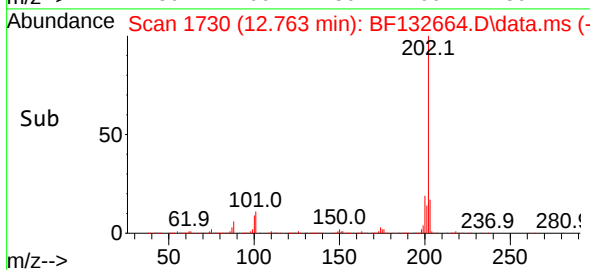
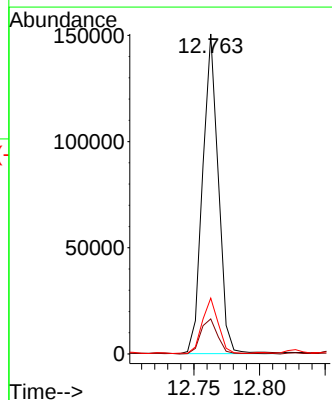
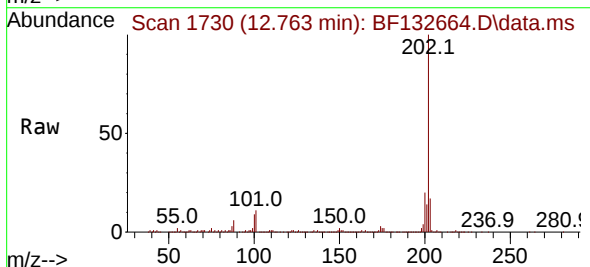
Instrument :
BNA_F
ClientSampleId :
WC7

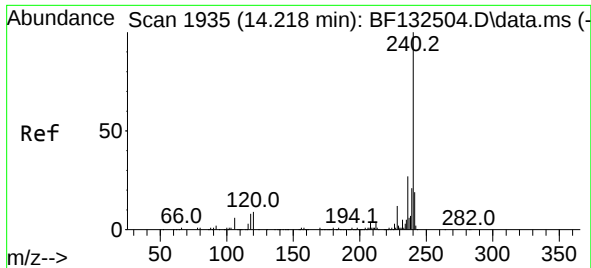
Tgt Ion:178 Resp: 85786
Ion Ratio Lower Upper
178 100
176 19.0 16.5 24.7
179 15.5 13.0 19.6



#75
Fluoranthene
Concen: 4.054 ng
RT: 12.763 min Scan# 1730
Delta R.T. -0.009 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

Tgt Ion:202 Resp: 126103
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.4
203 17.4 0.0 38.0

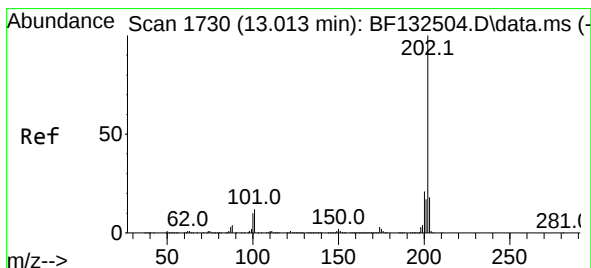
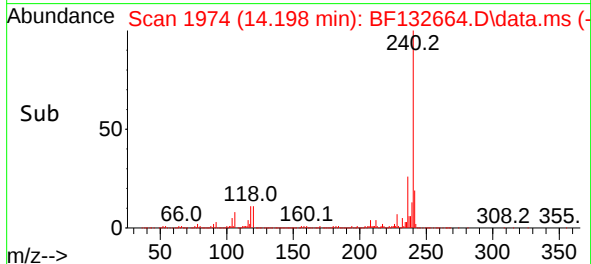
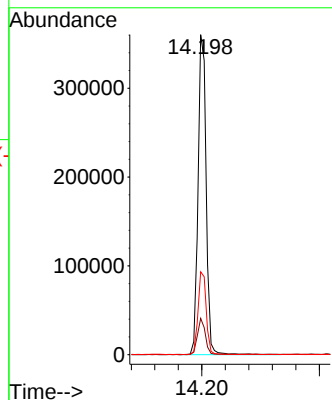
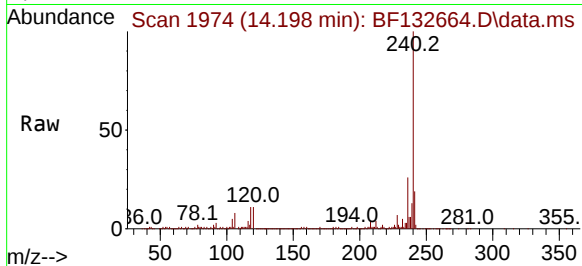




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.198 min Scan# 1769
Delta R.T. -0.009 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

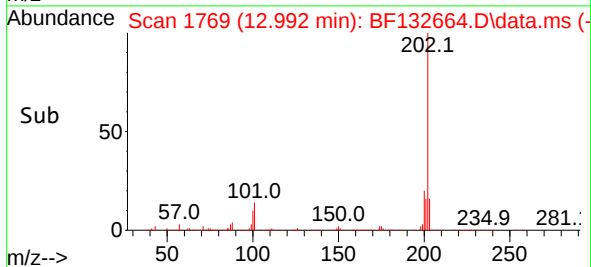
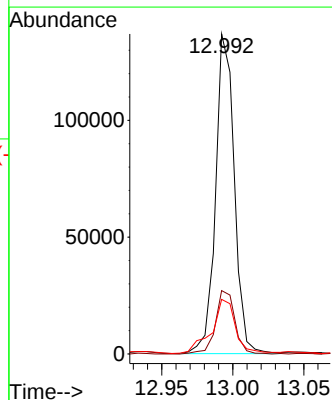
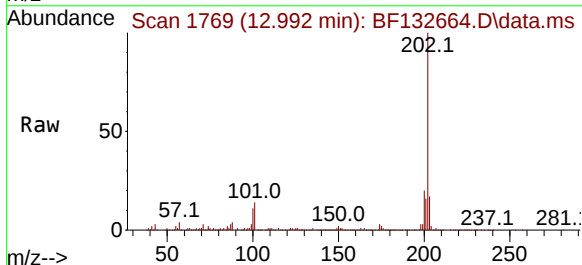
Instrument :
BNA_F
ClientSampleId :
WC7

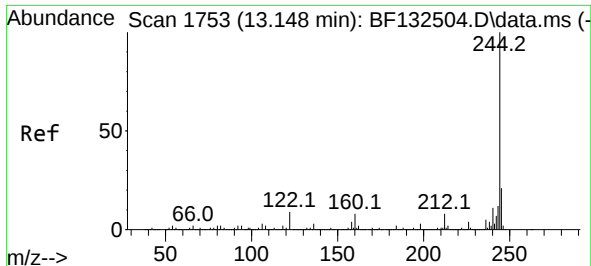
Tgt Ion:240 Resp: 342723
Ion Ratio Lower Upper
240 100
120 11.4 7.2 10.8#
236 25.9 21.8 32.6



#78
Pyrene
Concen: 4.031 ng
RT: 12.992 min Scan# 1769
Delta R.T. -0.009 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

Tgt Ion:202 Resp: 125589
Ion Ratio Lower Upper
202 100
200 19.8 17.1 25.7
203 17.0 14.6 21.8

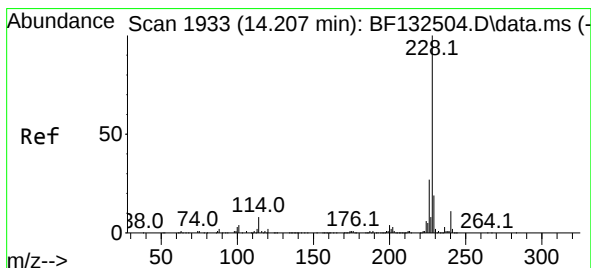
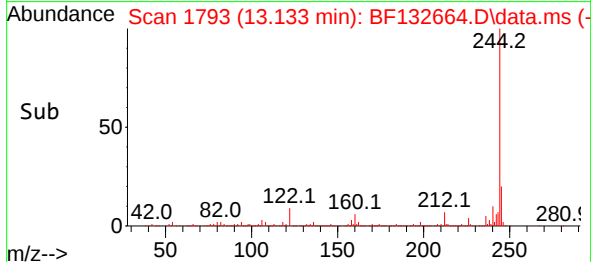
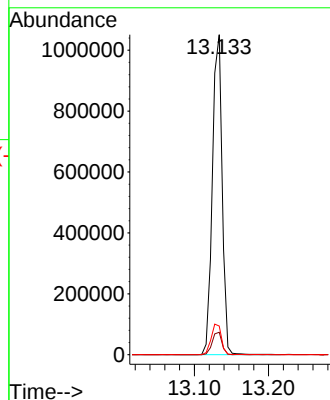
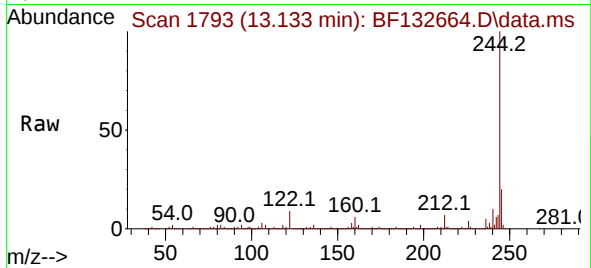




#79
 Terphenyl-d14
 Concen: 47.272 ng
 RT: 13.133 min Scan# 11
 Delta R.T. -0.009 min
 Lab File: BF132664.D
 Acq: 06 Mar 2023 23:23

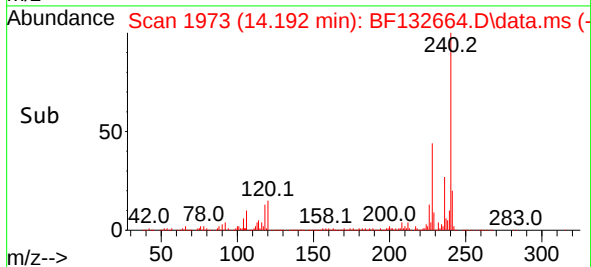
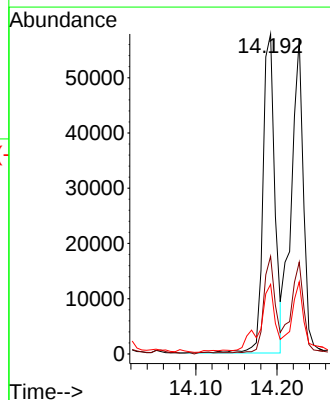
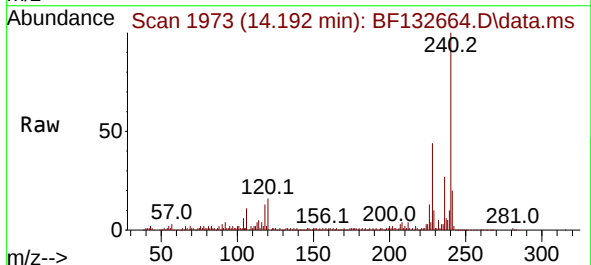
Instrument :
 BNA_F
 ClientSampleId :
 WC7

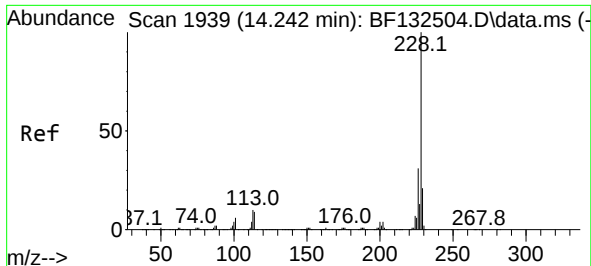
Tgt Ion:244 Resp: 958226
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.5 9.7
 122 8.9 7.5 11.3



#81
 Benzo(a)anthracene
 Concen: 2.287 ng
 RT: 14.192 min Scan# 1973
 Delta R.T. -0.003 min
 Lab File: BF132664.D
 Acq: 06 Mar 2023 23:23

Tgt Ion:228 Resp: 58641
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.7 32.5
 229 21.8 15.4 23.2

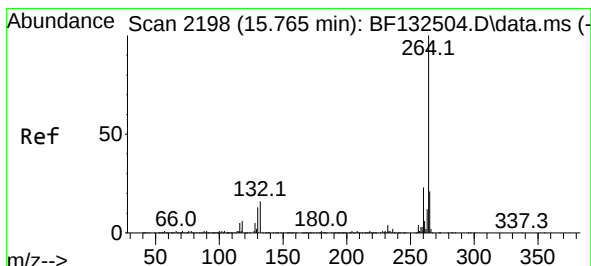
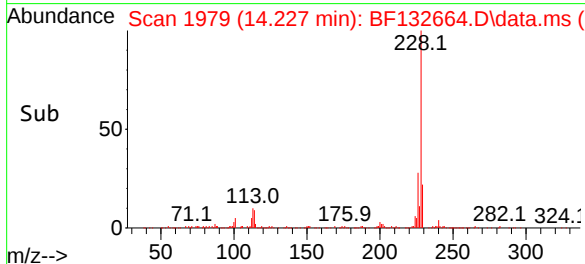
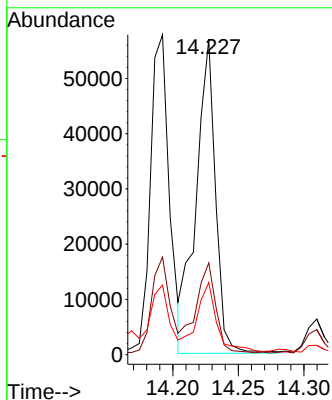
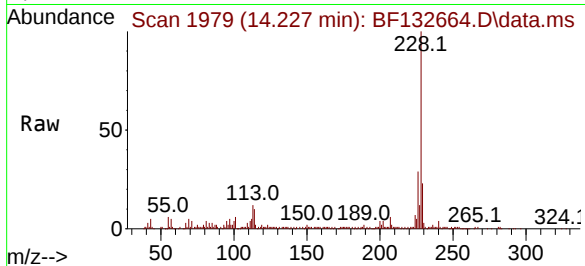




#83
Chrysene
Concen: 2.471 ng
RT: 14.227 min Scan# 1939
Delta R.T. -0.009 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

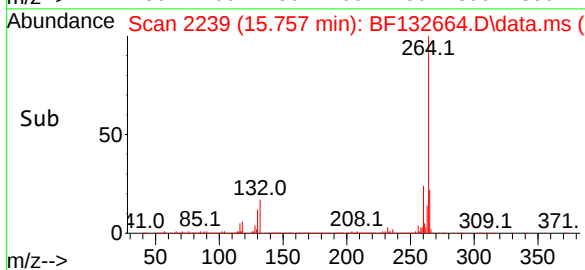
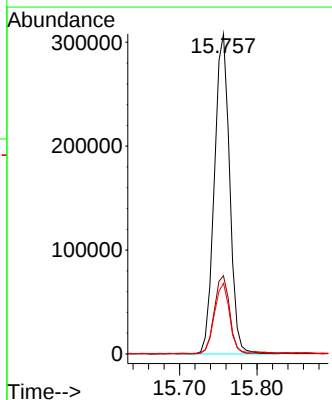
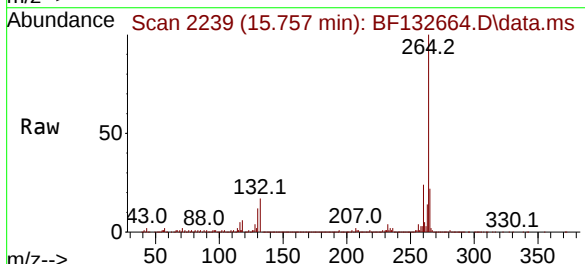
Instrument :
BNA_F
ClientSampleId :
WC7

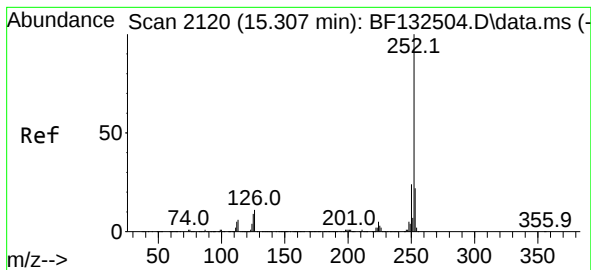
Tgt Ion:228 Resp: 59255
Ion Ratio Lower Upper
228 100
226 29.1 25.0 37.6
229 22.9 16.4 24.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.757 min Scan# 2239
Delta R.T. 0.003 min
Lab File: BF132664.D
Acq: 06 Mar 2023 23:23

Tgt Ion:264 Resp: 421871
Ion Ratio Lower Upper
264 100
260 24.5 18.8 28.2
265 22.1 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 4.005 ng

RT: 15.292 min Scan# 2116

Delta R.T. -0.003 min

Lab File: BF132664.D

Acq: 06 Mar 2023 23:23

Instrument :

BNA_F

ClientSampleId :

WC7

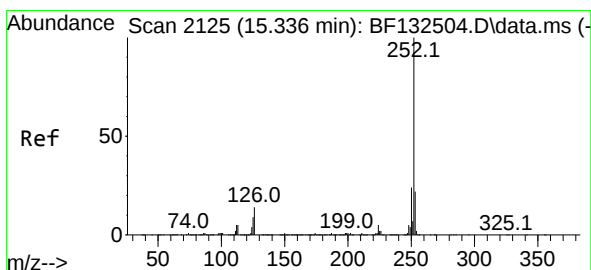
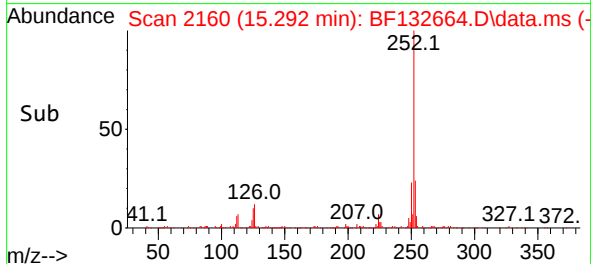
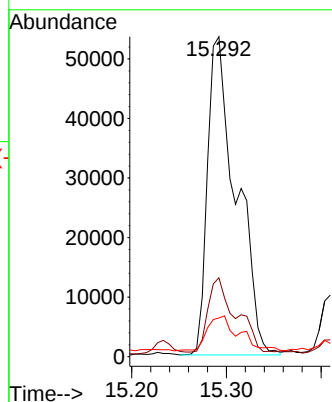
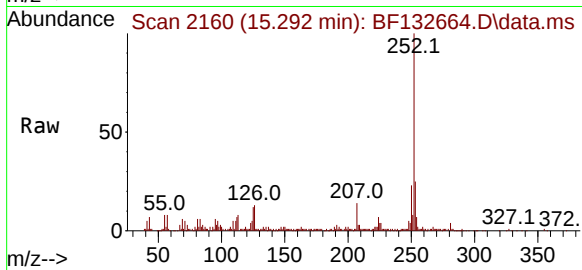
Tgt Ion:252 Resp: 113225

Ion Ratio Lower Upper

252 100

253 24.6 17.4 26.0

125 12.1 7.0 10.6#



#89

Benzo(k)fluoranthene

Concen: 4.092 ng

RT: 15.292 min Scan# 2160

Delta R.T. -0.032 min

Lab File: BF132664.D

Acq: 06 Mar 2023 23:23

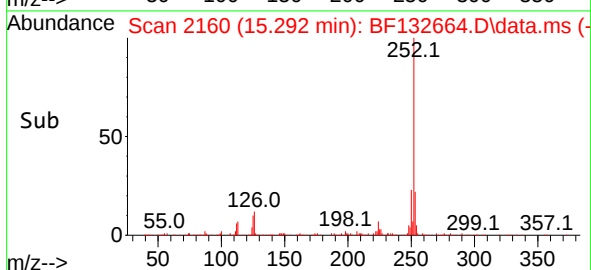
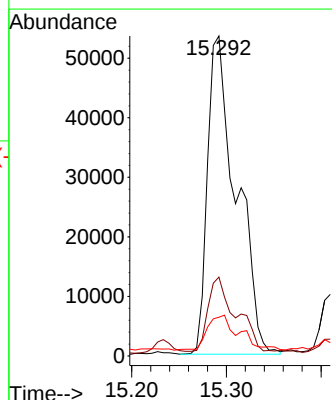
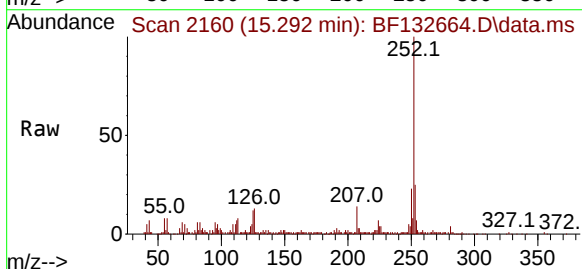
Tgt Ion:252 Resp: 113225

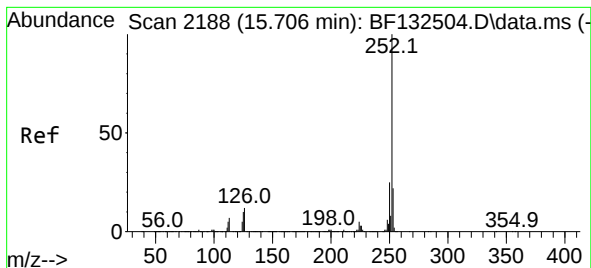
Ion Ratio Lower Upper

252 100

253 24.6 17.5 26.3

125 12.1 7.2 10.8#





#90

Benzo(a)pyrene

Concen: 2.290 ng

RT: 15.686 min Scan# 2188

Delta R.T. -0.003 min

Lab File: BF132664.D

Acq: 06 Mar 2023 23:23

Instrument :

BNA_F

ClientSampleId :

WC7

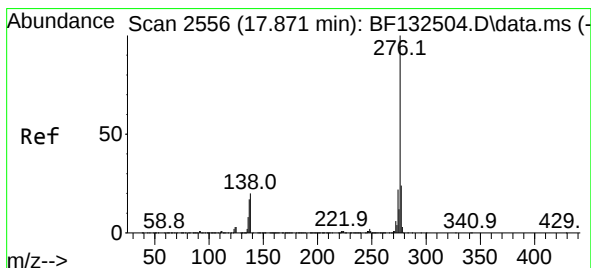
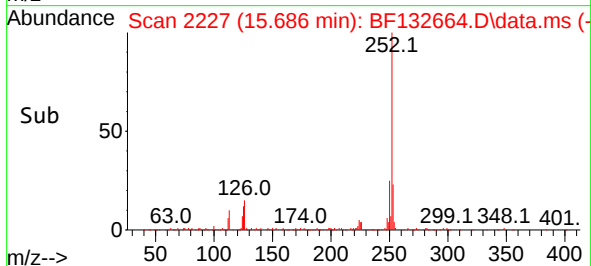
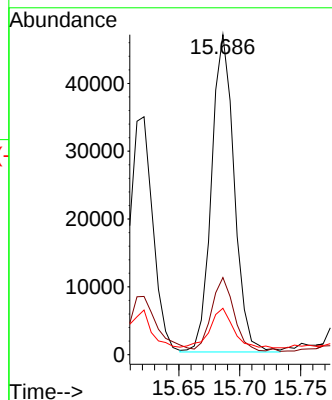
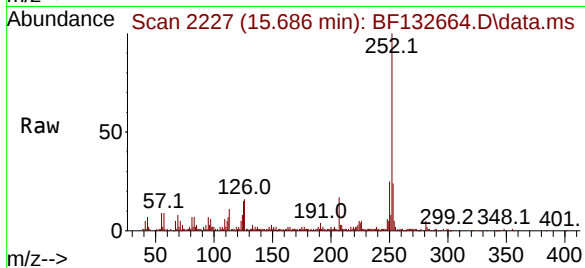
Tgt Ion:252 Resp: 60583

Ion Ratio Lower Upper

252 100

253 24.1 17.2 25.8

125 14.5 8.0 12.0#



#92

Benzo(g,h,i)perylene

Concen: 3.035 ng

RT: 17.833 min Scan# 2592

Delta R.T. -0.020 min

Lab File: BF132664.D

Acq: 06 Mar 2023 23:23

Tgt Ion:276 Resp: 37420

Ion Ratio Lower Upper

276 100

277 25.6 18.9 28.3

138 28.2 16.2 24.4#

