

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020123\
 Data File : BF132266.D
 Acq On : 01 Feb 2023 18:25
 Operator : CG\JU
 Sample : 01358-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DR-2-012723

Quant Time: Feb 02 00:55:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 05:24:37 2023
 Response via : Initial Calibration

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

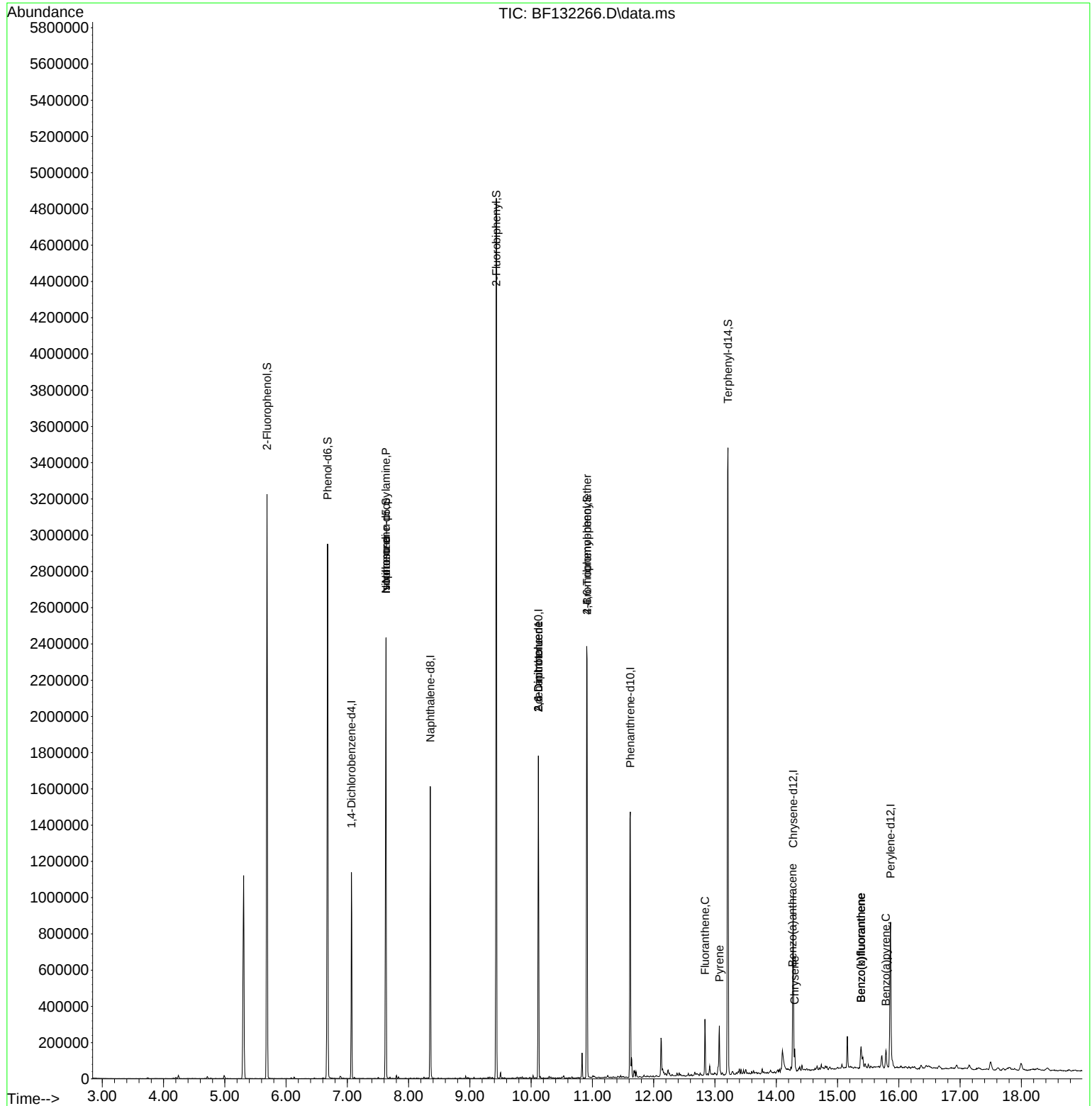
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.066	152	168568	20.000	ng	0.00
21) Naphthalene-d8	8.354	136	648016	20.000	ng	0.00
39) Acenaphthene-d10	10.119	164	320118	20.000	ng	0.00
64) Phenanthrene-d10	11.619	188	563896	20.000	ng	0.00
76) Chrysene-d12	14.277	240	297569	20.000	ng	-0.01
86) Perylene-d12	15.865	264	367583	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.690	112	1044539	99.603	ng	0.00
7) Phenol-d6	6.678	99	1284323	99.337	ng	0.00
23) Nitrobenzene-d5	7.631	82	784910	67.403	ng	0.00
42) 2,4,6-Tribromophenol	10.913	330	308602	93.744	ng	0.00
45) 2-Fluorobiphenyl	9.431	172	1370736	66.124	ng	0.00
79) Terphenyl-d14	13.213	244	1239841	80.598	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.619	77	353	Below Cal	#	74
19) n-Nitroso-di-n-propyla...	7.631	70	96474	13.137	ng	# 77
25) Isophorone	7.631	82	784900	35.512	ng	# 64
51) 2,6-Dinitrotoluene	10.119	165	42025	8.403	ng	# 24
57) 2,4-Dinitrotoluene	10.119	165	42025	6.469	ng	# 23
67) 4-Bromophenyl-phenylether	10.913	248	18409	3.188	ng	# 1
75) Fluoranthene	12.836	202	106649	3.547	ng	98
78) Pyrene	13.071	202	105306	4.400	ng	98
81) Benzo(a)anthracene	14.265	228	49435	2.375	ng	99
83) Chrysene	14.301	228	41456	2.127	ng	95
88) Benzo(b)fluoranthene	15.383	252	89949	3.850	ng	97
89) Benzo(k)fluoranthene	15.383	252	89949	4.033	ng	97
90) Benzo(a)pyrene	15.789	252	50896	2.339	ng	98

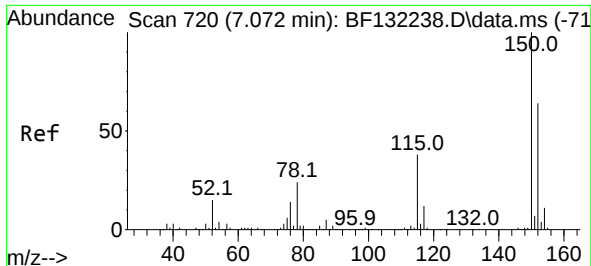
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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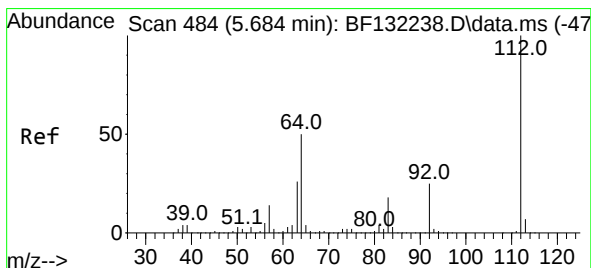
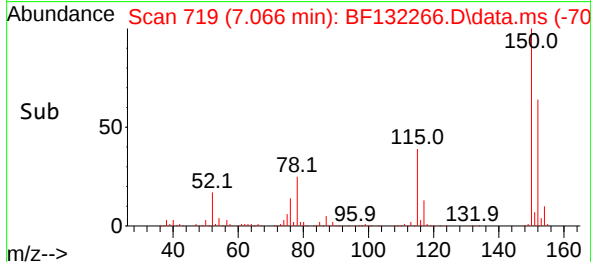
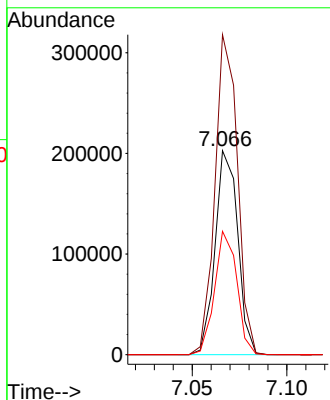
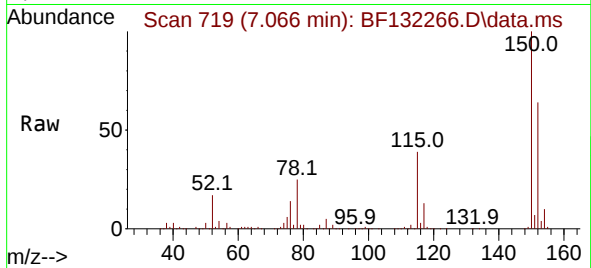




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.066 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF132266.D
 Acq: 01 Feb 2023 18:25

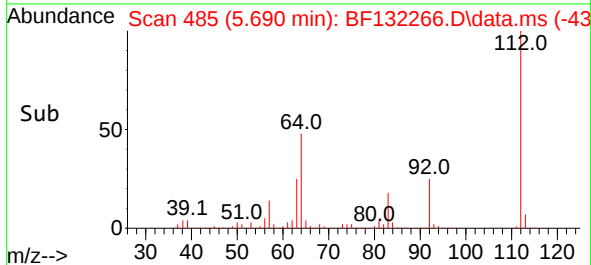
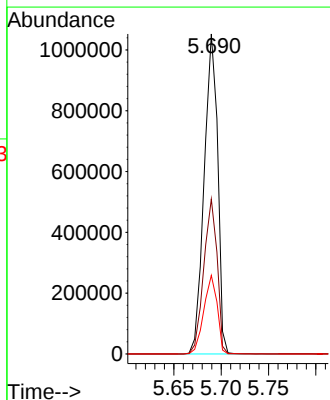
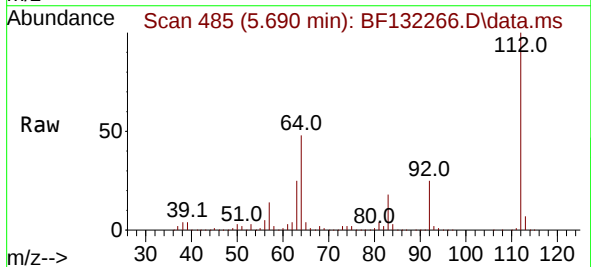
Instrument :
 BNA_F
 ClientSampleId :
 DR-2-012723

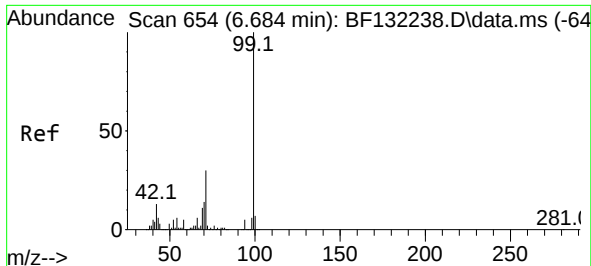
Tgt Ion:152 Resp: 168568
 Ion Ratio Lower Upper
 152 100
 150 156.9 124.2 186.2
 115 60.5 47.3 70.9



#5
 2-Fluorophenol
 Concen: 99.603 ng
 RT: 5.690 min Scan# 485
 Delta R.T. 0.006 min
 Lab File: BF132266.D
 Acq: 01 Feb 2023 18:25

Tgt Ion:112 Resp: 1044539
 Ion Ratio Lower Upper
 112 100
 64 48.4 40.0 60.0
 63 24.5 20.5 30.7

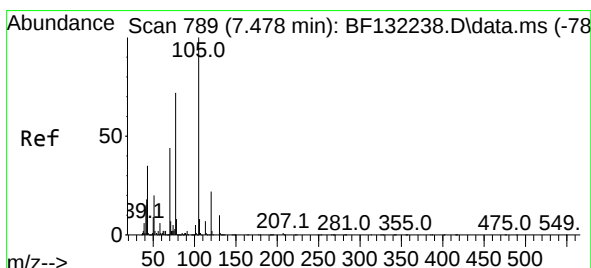
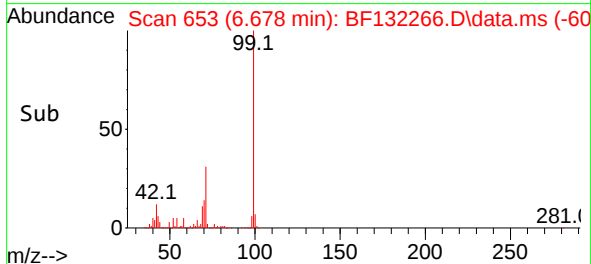
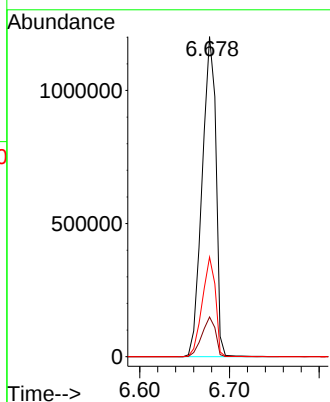
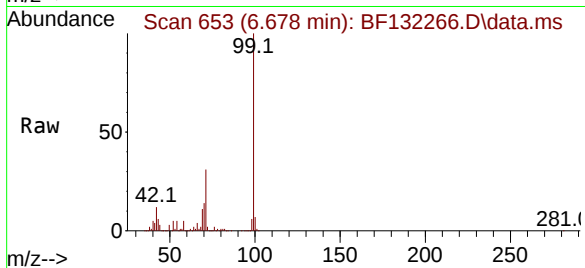




#7
Phenol-d6
Concen: 99.337 ng
RT: 6.678 min Scan# 61
Delta R.T. -0.006 min
Lab File: BF132266.D
Acq: 01 Feb 2023 18:25

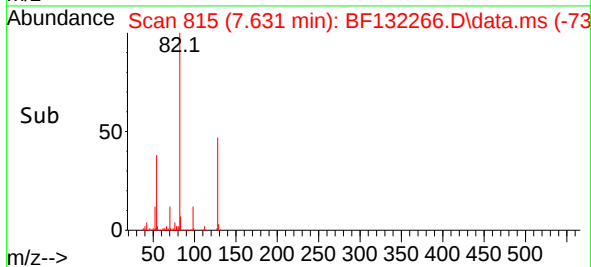
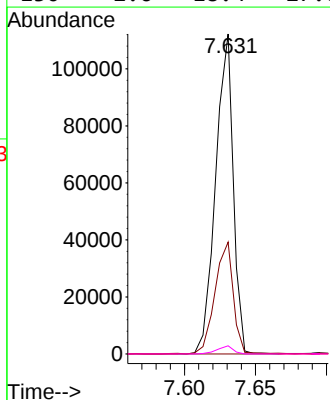
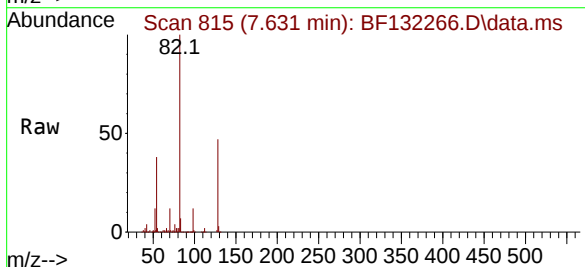
Instrument :
BNA_F
ClientSampleId :
DR-2-012723

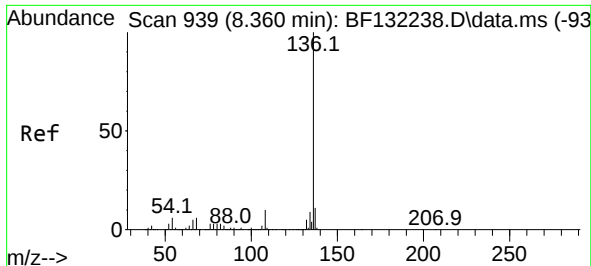
Tgt Ion: 99 Resp: 1284323
Ion Ratio Lower Upper
99 100
42 12.4 10.1 15.1
71 31.1 24.2 36.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.137 ng
RT: 7.631 min Scan# 815
Delta R.T. 0.153 min
Lab File: BF132266.D
Acq: 01 Feb 2023 18:25

Tgt Ion: 70 Resp: 96474
Ion Ratio Lower Upper
70 100
42 34.9 33.4 50.0
101 0.0 8.2 12.4#
130 2.6 18.4 27.6#

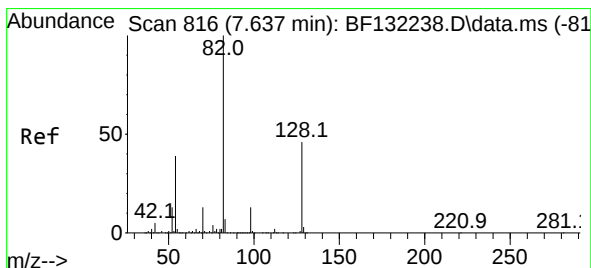
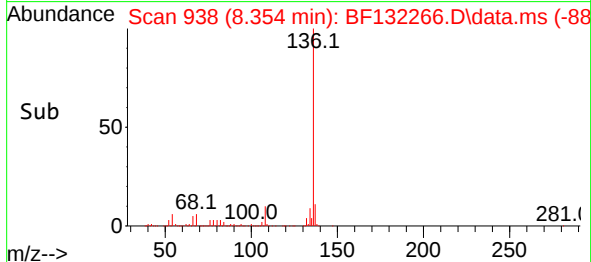
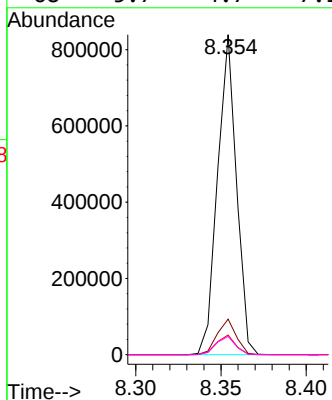
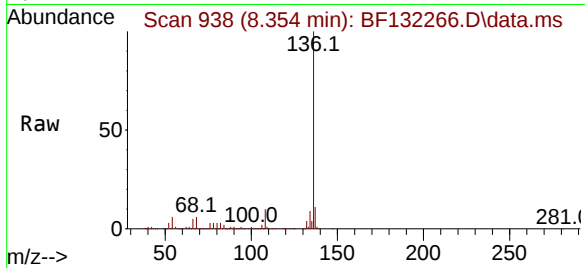




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.354 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF132266.D
Acq: 01 Feb 2023 18:25

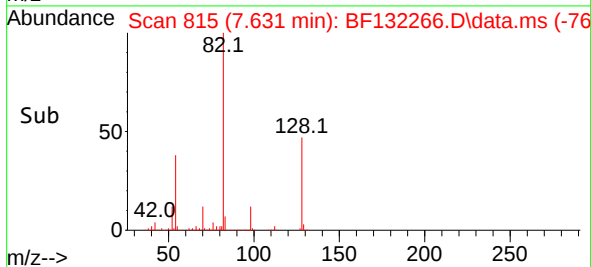
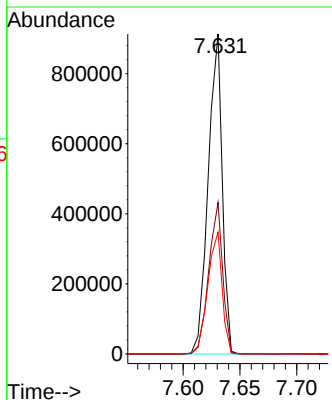
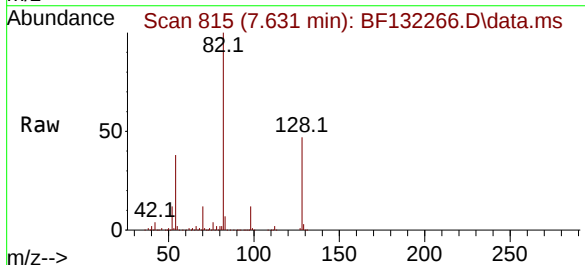
Instrument :
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ClientSampleId :
DR-2-012723

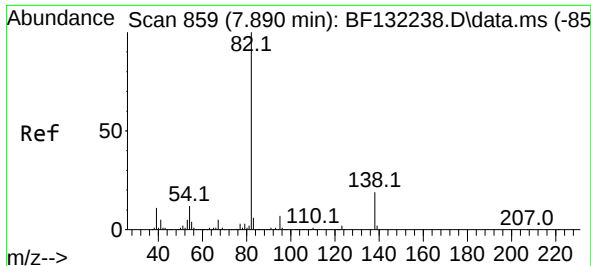
Tgt Ion:136 Resp: 648016
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.1 4.9 7.3
68 5.7 4.7 7.1



#23
Nitrobenzene-d5
Concen: 67.403 ng
RT: 7.631 min Scan# 815
Delta R.T. -0.006 min
Lab File: BF132266.D
Acq: 01 Feb 2023 18:25

Tgt Ion: 82 Resp: 784910
Ion Ratio Lower Upper
82 100
128 47.4 37.0 55.4
54 38.1 31.5 47.3

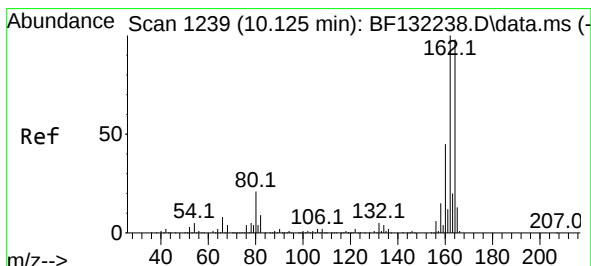
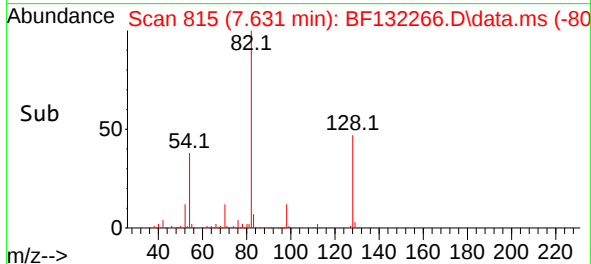
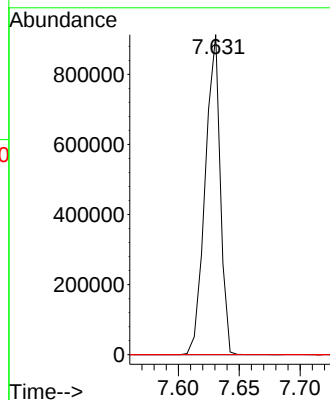
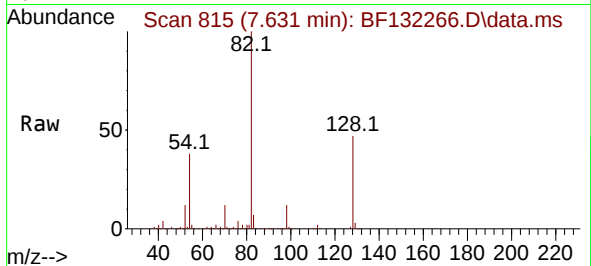




#25
Isophorone
Concen: 35.512 ng
RT: 7.631 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF132266.D
Acq: 01 Feb 2023 18:25

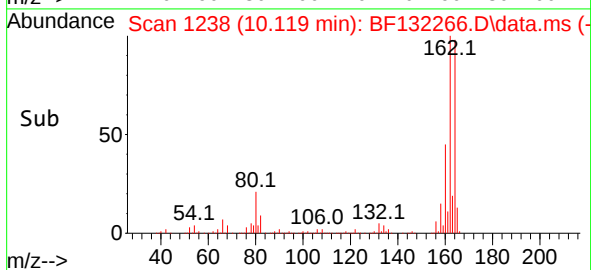
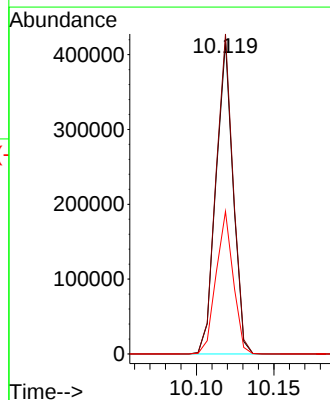
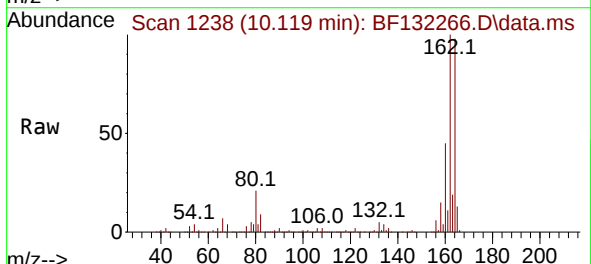
Instrument :
BNA_F
ClientSampleId :
DR-2-012723

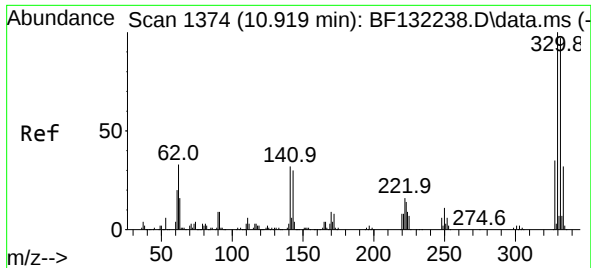
Tgt Ion: 82 Resp: 784900
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.0 22.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.119 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF132266.D
Acq: 01 Feb 2023 18:25

Tgt Ion: 164 Resp: 320118
Ion Ratio Lower Upper
164 100
162 102.4 82.0 123.0
160 45.6 37.1 55.7





#42

2,4,6-Tribromophenol

Concen: 93.744 ng

RT: 10.913 min Scan# 111

Delta R.T. -0.006 min

Lab File: BF132266.D

Acq: 01 Feb 2023 18:25

Instrument :

BNA_F

ClientSampleId :

DR-2-012723

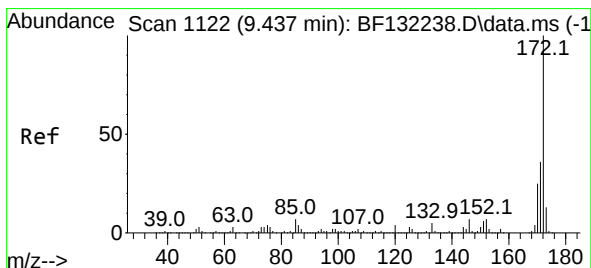
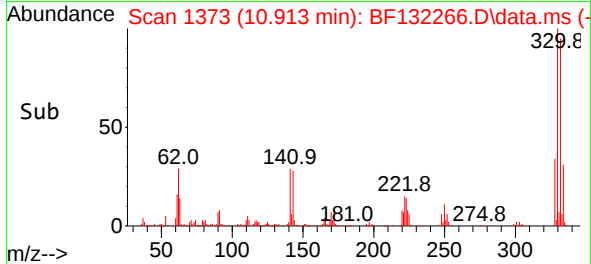
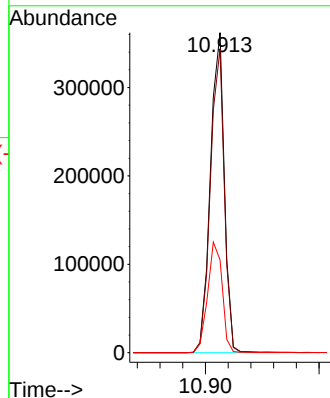
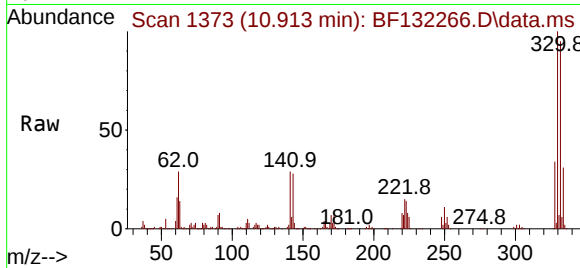
Tgt Ion:330 Resp: 308602

Ion Ratio Lower Upper

330 100

332 94.9 77.9 116.9

141 36.1 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 66.124 ng

RT: 9.431 min Scan# 1121

Delta R.T. -0.006 min

Lab File: BF132266.D

Acq: 01 Feb 2023 18:25

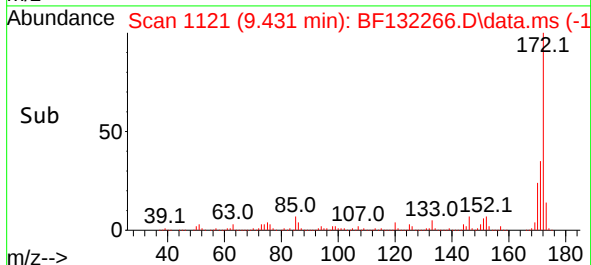
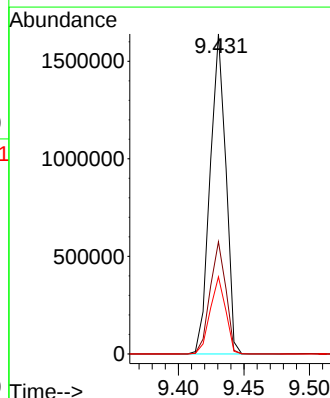
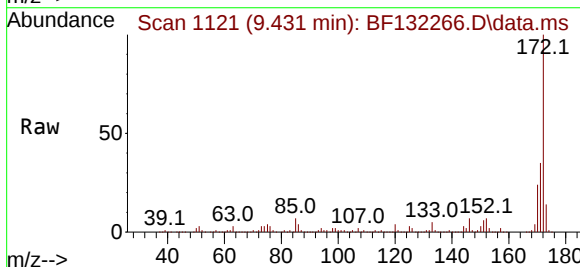
Tgt Ion:172 Resp: 1370736

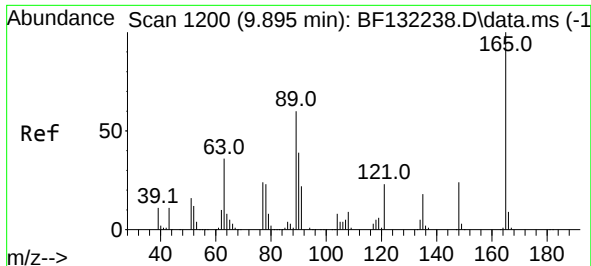
Ion Ratio Lower Upper

172 100

171 35.0 28.6 43.0

170 24.1 19.7 29.5

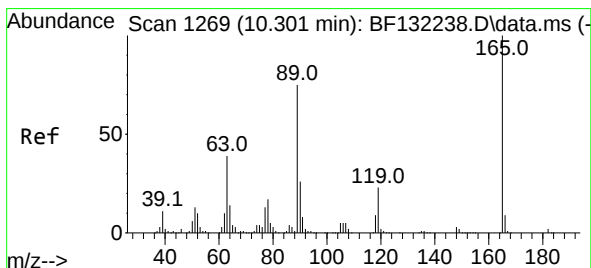
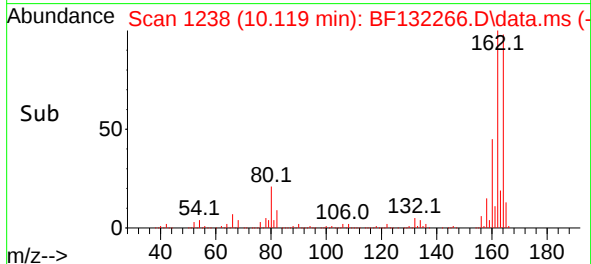
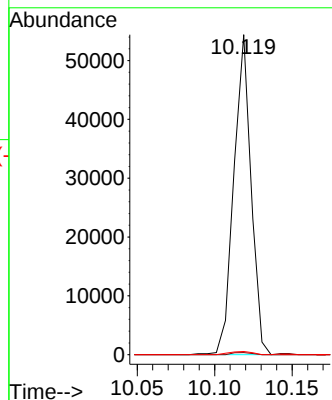
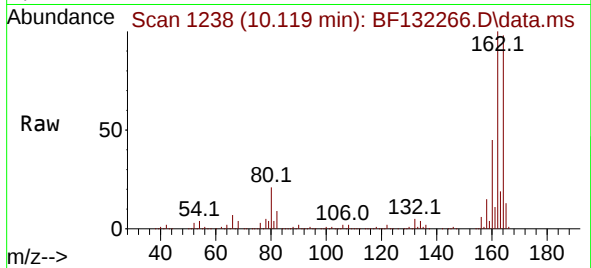




#51
2,6-Dinitrotoluene
Concen: 8.403 ng
RT: 10.119 min Scan# 1238
Delta R.T. 0.224 min
Lab File: BF132266.D
Acq: 01 Feb 2023 18:25

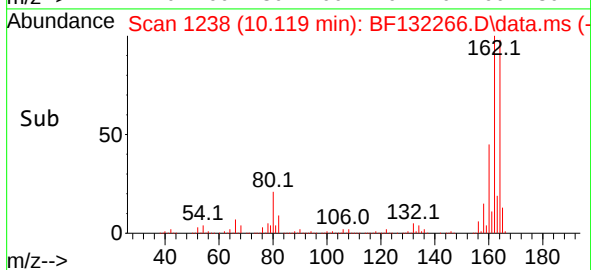
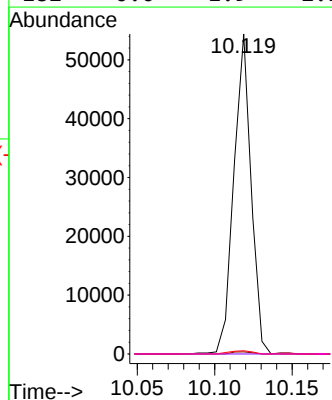
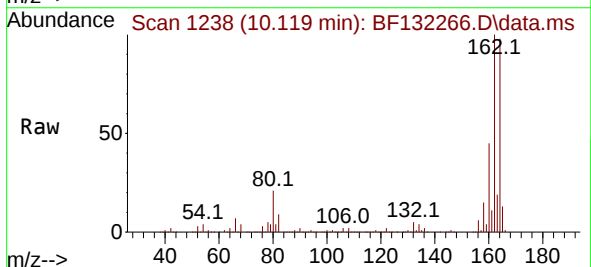
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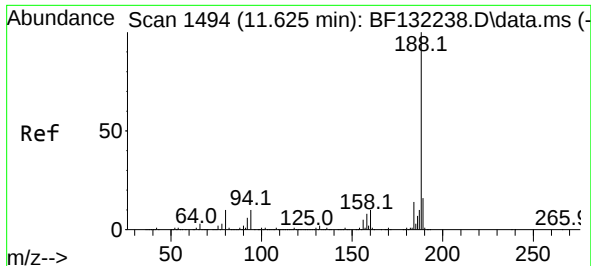
Tgt Ion:165 Resp: 42025
Ion Ratio Lower Upper
165 100
63 0.7 41.5 62.3#
89 1.0 48.1 72.1#



#57
2,4-Dinitrotoluene
Concen: 6.469 ng
RT: 10.119 min Scan# 1238
Delta R.T. -0.183 min
Lab File: BF132266.D
Acq: 01 Feb 2023 18:25

Tgt Ion:165 Resp: 42025
Ion Ratio Lower Upper
165 100
63 0.7 30.9 46.3#
89 1.0 60.1 90.1#
182 0.0 1.9 2.9#

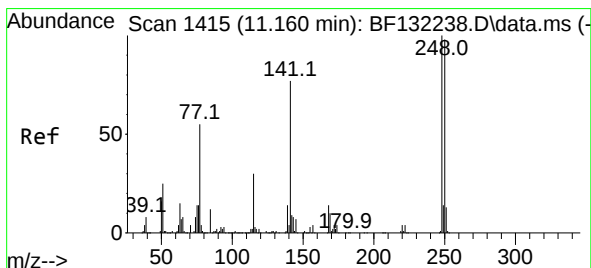
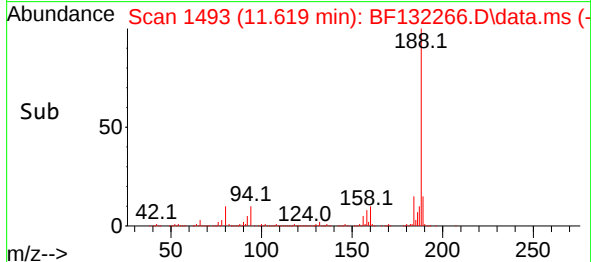
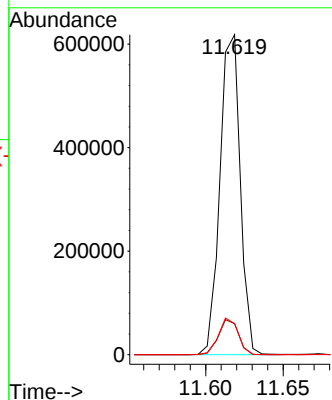
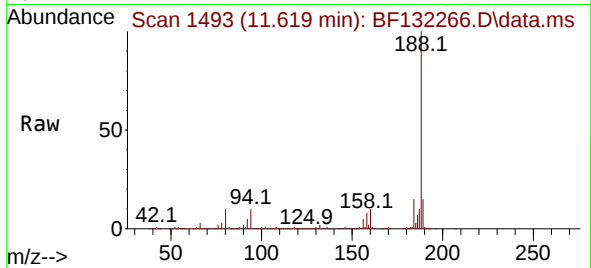




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.619 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF132266.D
Acq: 01 Feb 2023 18:25

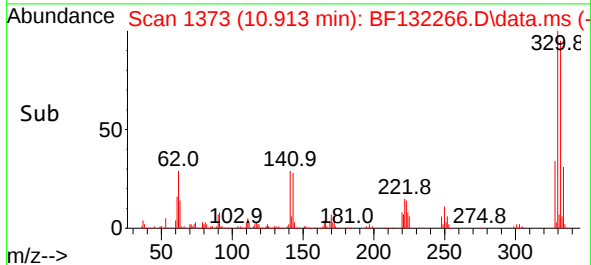
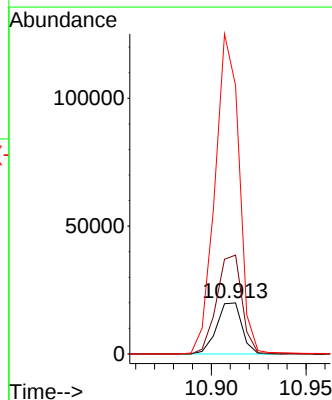
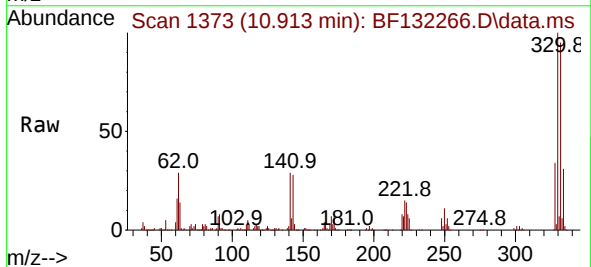
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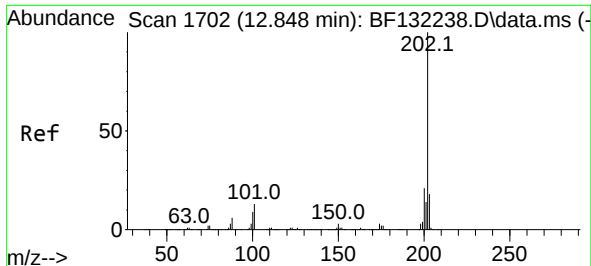
Tgt Ion:188 Resp: 563896
Ion Ratio Lower Upper
188 100
94 9.7 8.2 12.2
80 9.7 8.3 12.5



#67
4-Bromophenyl-phenylether
Concen: 3.188 ng
RT: 10.913 min Scan# 1373
Delta R.T. -0.247 min
Lab File: BF132266.D
Acq: 01 Feb 2023 18:25

Tgt Ion:248 Resp: 18409
Ion Ratio Lower Upper
248 100
250 194.0 78.6 117.8#
141 526.4 61.6 92.4#

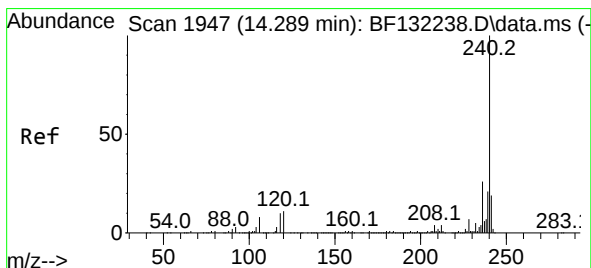
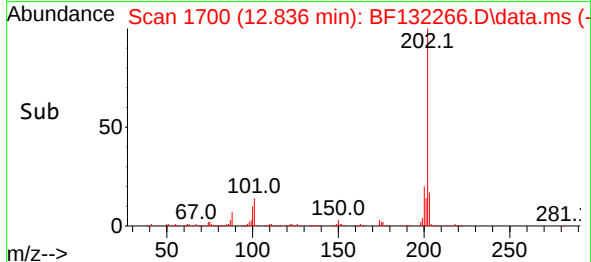
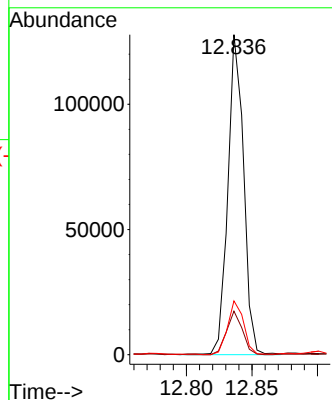
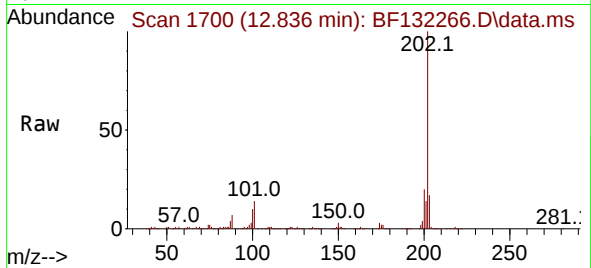




#75
Fluoranthene
Concen: 3.547 ng
RT: 12.836 min Scan# 1700
Delta R.T. -0.012 min
Lab File: BF132266.D
Acq: 01 Feb 2023 18:25

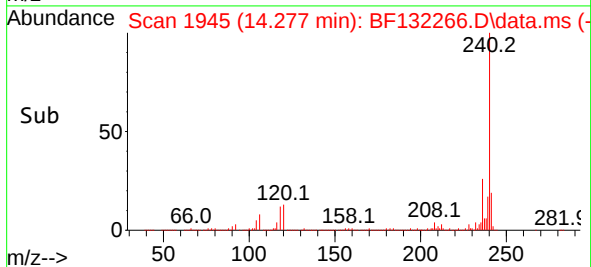
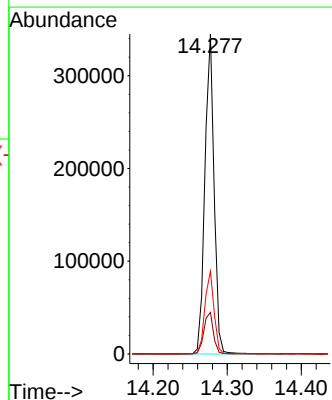
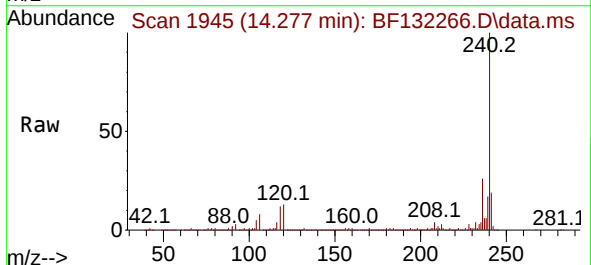
Instrument :
BNA_F
ClientSampleId :
DR-2-012723

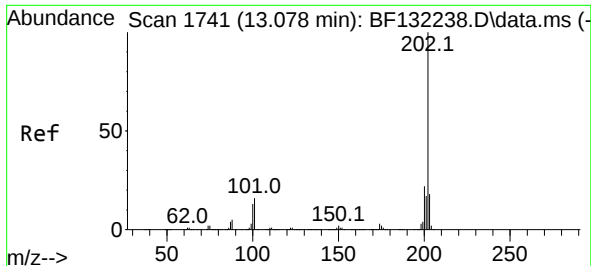
Tgt Ion:202 Resp: 106649
Ion Ratio Lower Upper
202 100
101 13.6 0.0 32.7
203 16.8 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.277 min Scan# 1945
Delta R.T. -0.012 min
Lab File: BF132266.D
Acq: 01 Feb 2023 18:25

Tgt Ion:240 Resp: 297569
Ion Ratio Lower Upper
240 100
120 13.0 8.8 13.2
236 25.9 21.0 31.6

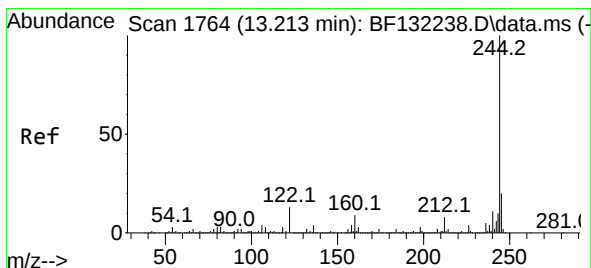
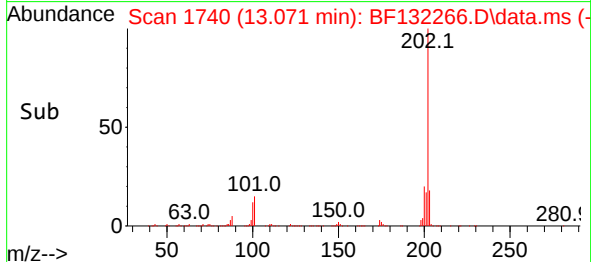
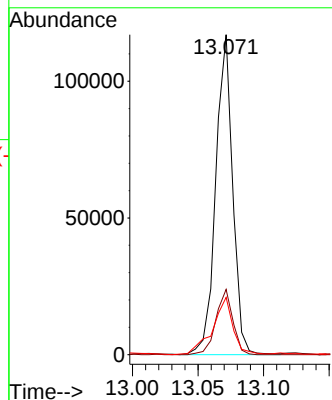
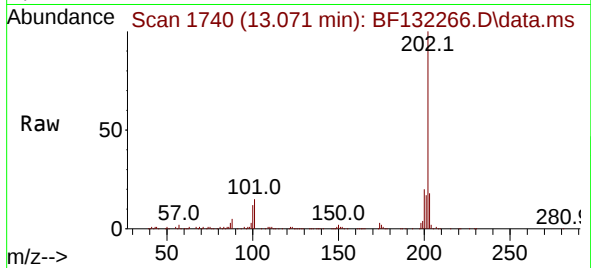




#78
 Pyrene
 Concen: 4.400 ng
 RT: 13.071 min Scan# 1740
 Delta R.T. -0.006 min
 Lab File: BF132266.D
 Acq: 01 Feb 2023 18:25

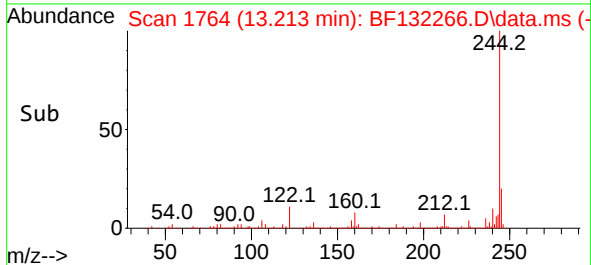
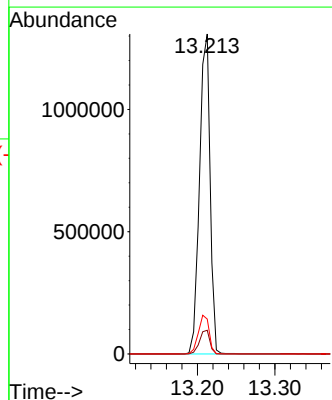
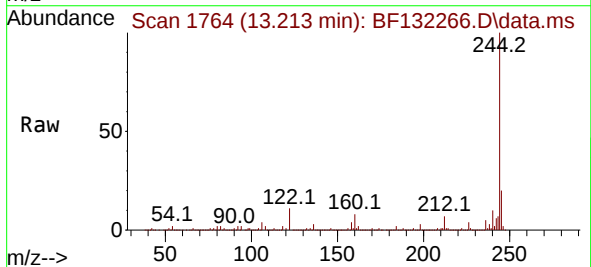
Instrument :
 BNA_F
 ClientSampleId :
 DR-2-012723

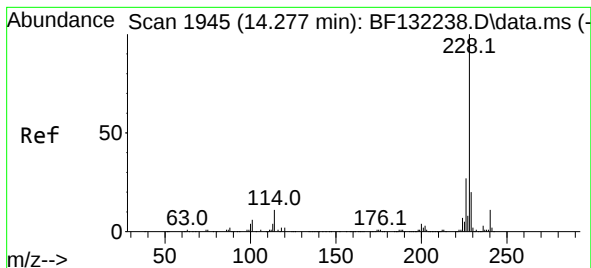
Tgt Ion:202 Resp: 105306
 Ion Ratio Lower Upper
 202 100
 200 20.4 17.3 25.9
 203 17.9 14.4 21.6



#79
 Terphenyl-d14
 Concen: 80.598 ng
 RT: 13.213 min Scan# 1764
 Delta R.T. -0.000 min
 Lab File: BF132266.D
 Acq: 01 Feb 2023 18:25

Tgt Ion:244 Resp: 1239841
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.4 9.6
 122 10.9 10.5 15.7





#81

Benzo(a)anthracene

Concen: 2.375 ng

RT: 14.265 min Scan# 1943

Delta R.T. -0.012 min

Lab File: BF132266.D

Acq: 01 Feb 2023 18:25

Instrument :

BNA_F

ClientSampleId :

DR-2-012723

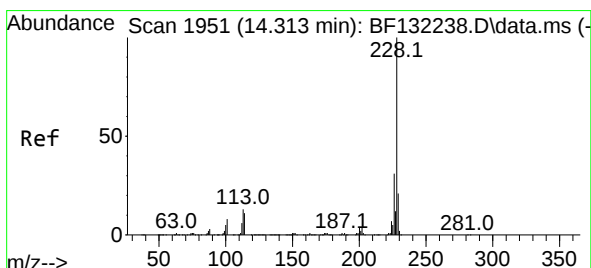
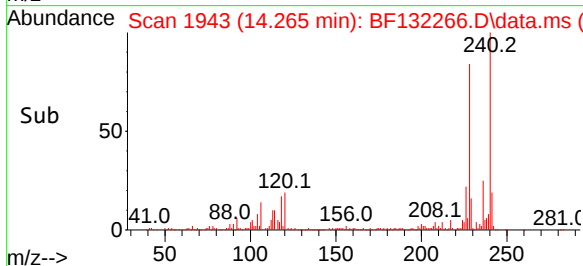
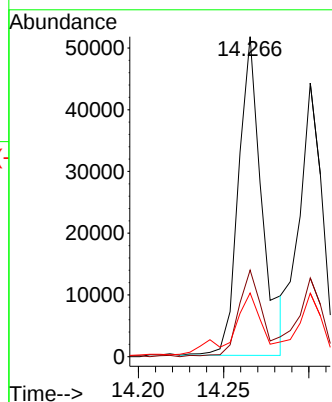
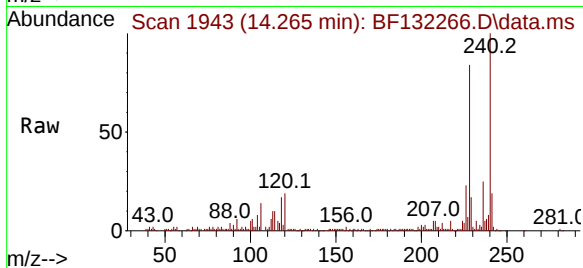
Tgt Ion:228 Resp: 49435

Ion Ratio Lower Upper

228 100

226 27.1 22.0 33.0

229 19.9 15.8 23.6



#83

Chrysene

Concen: 2.127 ng

RT: 14.301 min Scan# 1949

Delta R.T. -0.012 min

Lab File: BF132266.D

Acq: 01 Feb 2023 18:25

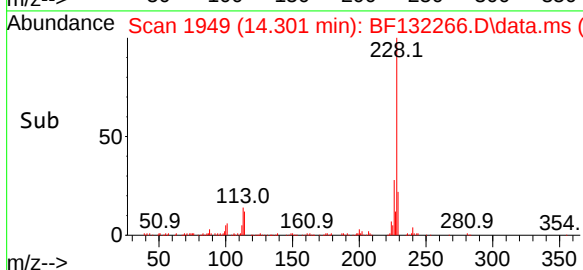
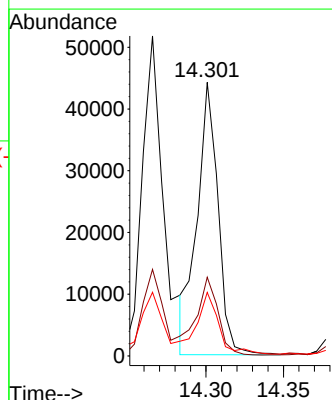
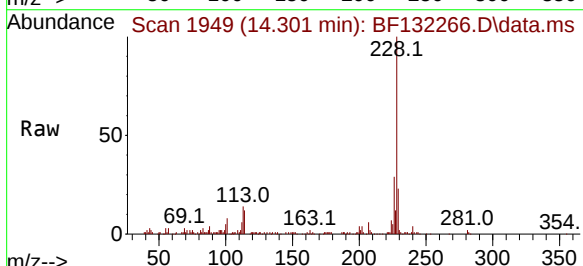
Tgt Ion:228 Resp: 41456

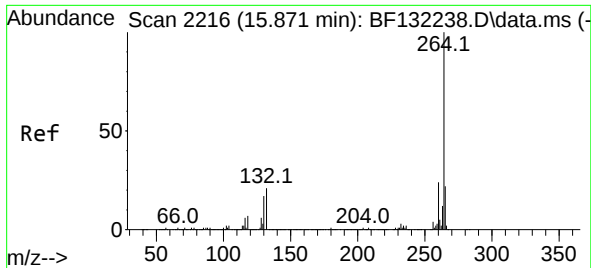
Ion Ratio Lower Upper

228 100

226 28.8 24.9 37.3

229 23.2 16.4 24.6

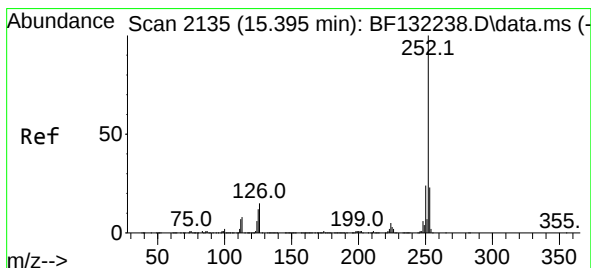
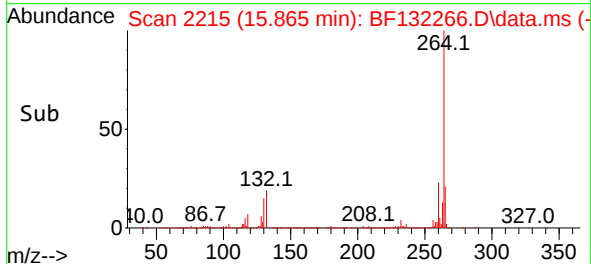
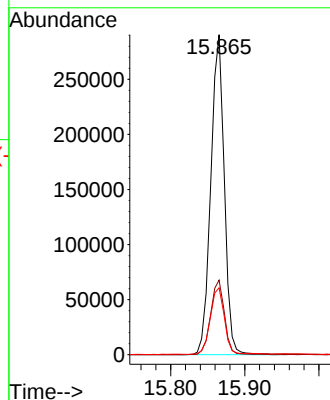
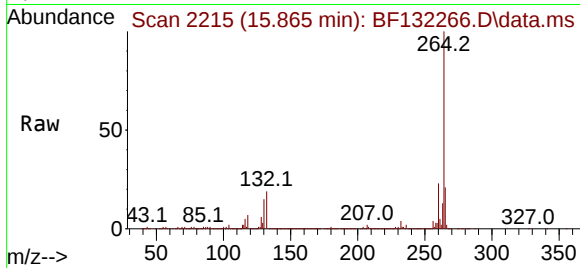




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.865 min Scan# 2115
Delta R.T. -0.006 min
Lab File: BF132266.D
Acq: 01 Feb 2023 18:25

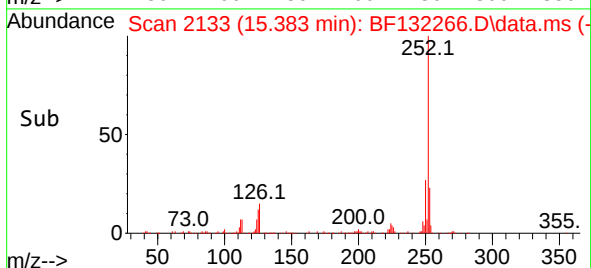
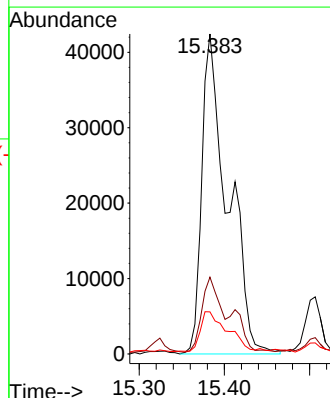
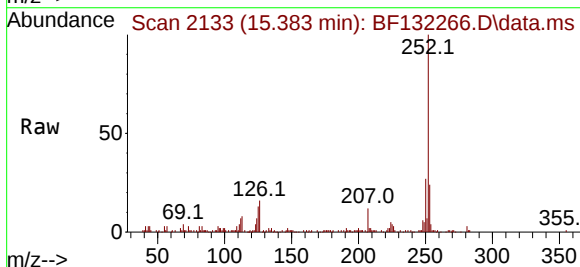
Instrument :
BNA_F
ClientSampleId :
DR-2-012723

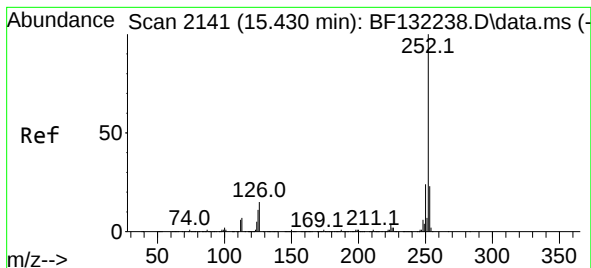
Tgt Ion:264 Resp: 367583
Ion Ratio Lower Upper
264 100
260 23.3 19.0 28.4
265 20.9 17.4 26.2



#88
Benzo(b)fluoranthene
Concen: 3.850 ng
RT: 15.383 min Scan# 2133
Delta R.T. -0.012 min
Lab File: BF132266.D
Acq: 01 Feb 2023 18:25

Tgt Ion:252 Resp: 89949
Ion Ratio Lower Upper
252 100
253 24.0 18.1 27.1
125 13.2 9.6 14.4





#89

Benzo(k)fluoranthene

Concen: 4.033 ng

RT: 15.383 min Scan# 2141

Delta R.T. -0.047 min

Lab File: BF132266.D

Acq: 01 Feb 2023 18:25

Instrument :

BNA_F

ClientSampleId :

DR-2-012723

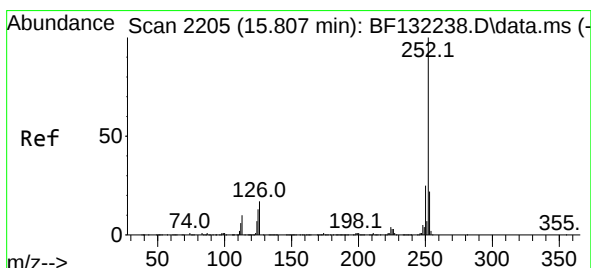
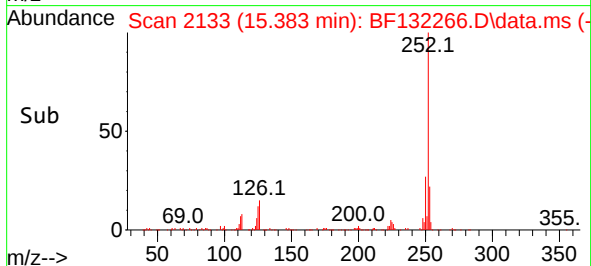
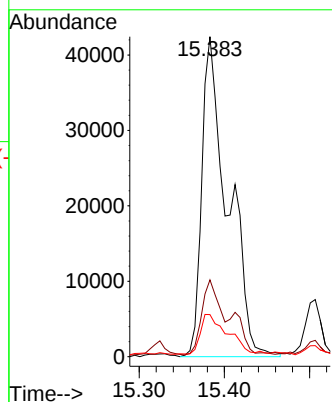
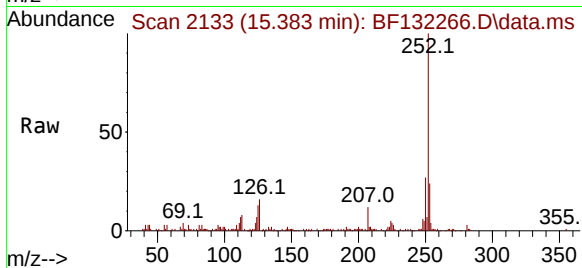
Tgt Ion:252 Resp: 89949

Ion Ratio Lower Upper

252 100

253 24.0 18.2 27.2

125 13.2 9.0 13.6



#90

Benzo(a)pyrene

Concen: 2.339 ng

RT: 15.789 min Scan# 2202

Delta R.T. -0.018 min

Lab File: BF132266.D

Acq: 01 Feb 2023 18:25

Tgt Ion:252 Resp: 50896

Ion Ratio Lower Upper

252 100

253 22.8 17.8 26.8

125 14.3 10.2 15.4

