

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031821\
 Data File : BF123384.D
 Acq On : 18 Mar 2021 15:38
 Operator : JU/CG
 Sample : M1682-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-MANHOLE

Quant Time: Mar 18 15:59:45 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 18 02:38:45 2021
 Response via : Initial Calibration

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

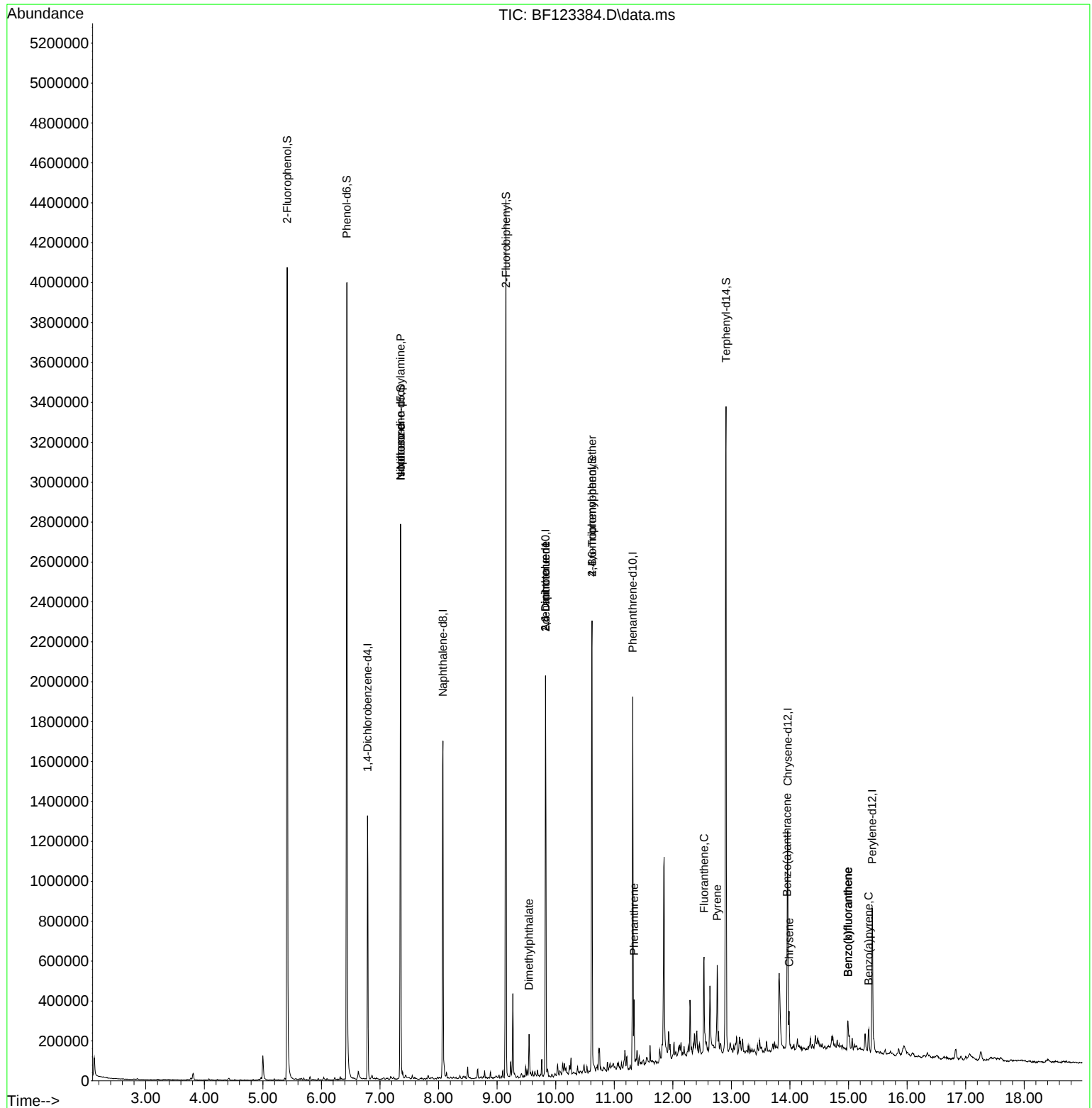
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	194086	20.00	ng	0.00
21) Naphthalene-d8	8.075	136	816571	20.00	ng	0.00
39) Acenaphthene-d10	9.828	164	396528	20.00	ng	0.00
64) Phenanthrene-d10	11.316	188	617111	20.00	ng	# 0.00
76) Chrysene-d12	13.963	240	355157	20.00	ng	#-0.01
86) Perylene-d12	15.404	264	296074	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	1239582	90.70	ng	0.00
7) Phenol-d6	6.434	99	1488062	83.82	ng	-0.01
23) Nitrobenzene-d5	7.351	82	911592	65.57	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	245609	88.62	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1403215	69.44	ng	0.00
79) Terphenyl-d14	12.910	244	1177762	64.57	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.345	77	1869	Below Cal	#	60
19) n-Nitroso-di-n-propyla...	7.351	70	114508	11.75 ng	#	84
20) 3+4-Methylphenols	7.239	107	2365	Below Cal	#	63
25) Isophorone	7.351	82	906012	31.40 ng	#	65
50) Dimethylphthalate	9.545	163	70684	2.52 ng	#	98
51) 2,6-Dinitrotoluene	9.828	165	51329	7.69 ng	#	31
55) Dibenzofuran	10.033	168	9147	Below Cal	#	94
57) 2,4-Dinitrotoluene	9.828	165	51329	6.03 ng	#	25
58) Fluorene	10.375	166	8101	Below Cal	#	95
67) 4-Bromophenyl-phenylether	10.622	248	16173	2.75 ng	#	1
71) Phenanthrene	11.339	178	116554	3.09 ng		97
75) Fluoranthene	12.533	202	186468	3.66 ng		97
78) Pyrene	12.757	202	168733	5.18 ng		98
81) Benzo(a)anthracene	13.951	228	65981	2.82 ng		99
83) Chrysene	13.986	228	71890	2.97 ng		95
88) Benzo(b)fluoranthene	14.992	252	95335	4.48 ng	#	92
89) Benzo(k)fluoranthene	14.992	252	95335	5.00 ng	#	91
90) Benzo(a)pyrene	15.345	252	48192	2.57 ng	#	90

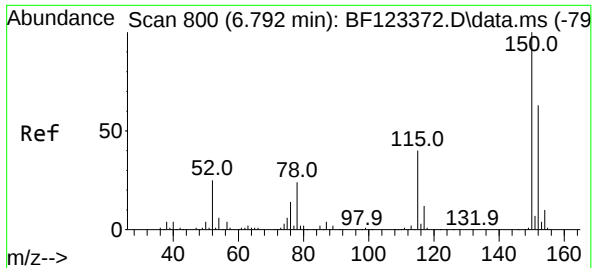
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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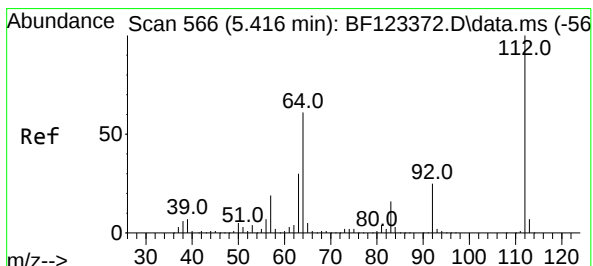
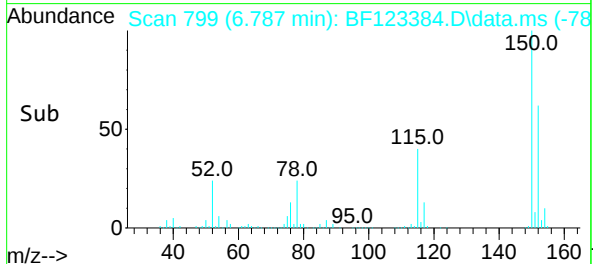
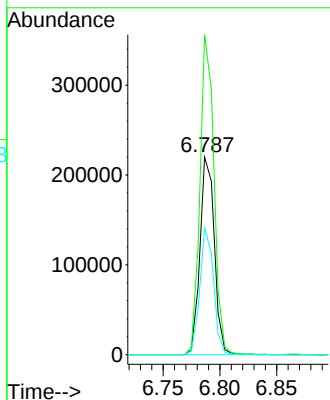
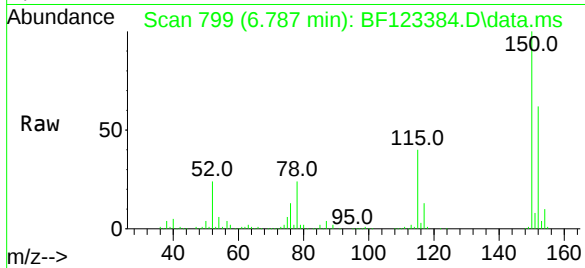




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.787 min Scan# 799
Delta R.T. -0.005 min
Lab File: BF123384.D
Acq: 18 Mar 2021 15:38

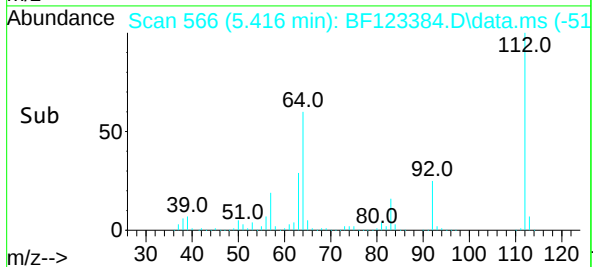
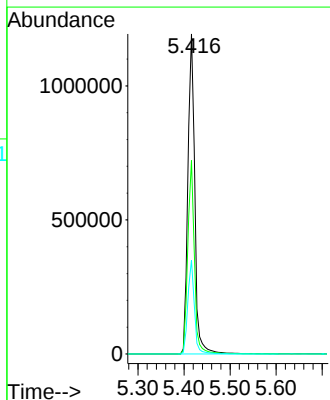
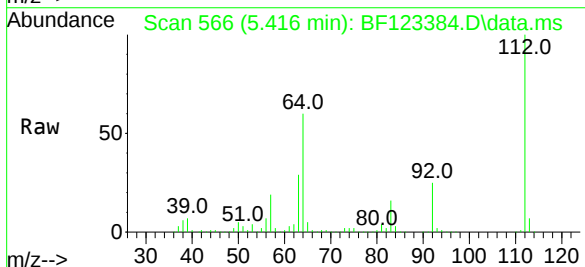
Instrument :
BNA_F
ClientSampleId :
SP-MANHOLE

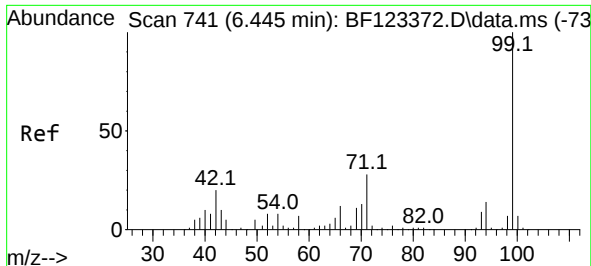
Tgt Ion:152 Resp: 194086
Ion Ratio Lower Upper
152 100
150 162.0 125.8 188.6
115 64.1 49.3 73.9



#5
2-Fluorophenol
Concen: 90.70 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.000 min
Lab File: BF123384.D
Acq: 18 Mar 2021 15:38

Tgt Ion:112 Resp: 1239582
Ion Ratio Lower Upper
112 100
64 60.5 46.9 70.3
63 29.4 24.5 36.7

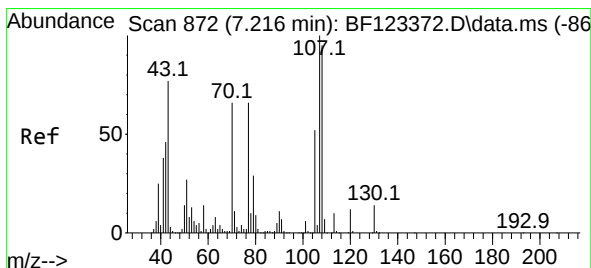
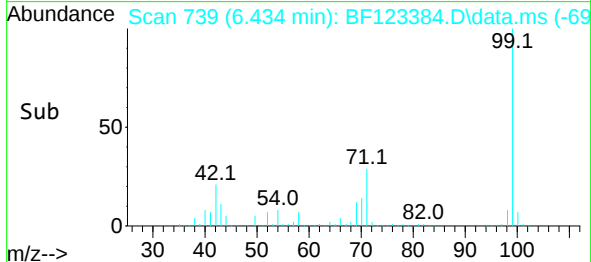
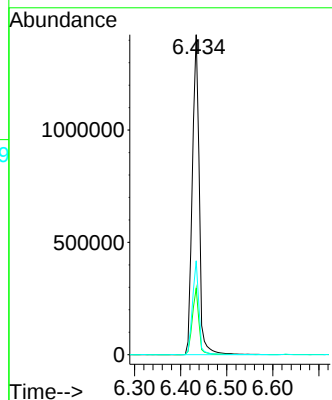
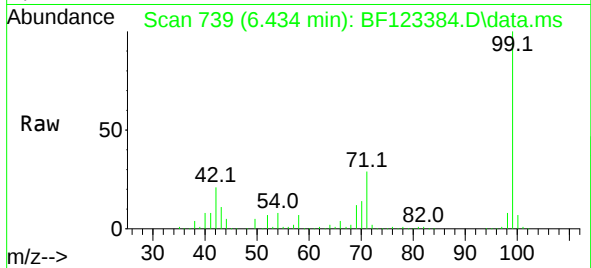




#7
Phenol-d6
Concen: 83.82 ng
RT: 6.434 min Scan# 739
Delta R.T. -0.011 min
Lab File: BF123384.D
Acq: 18 Mar 2021 15:38

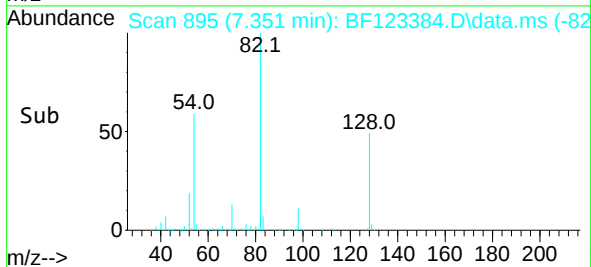
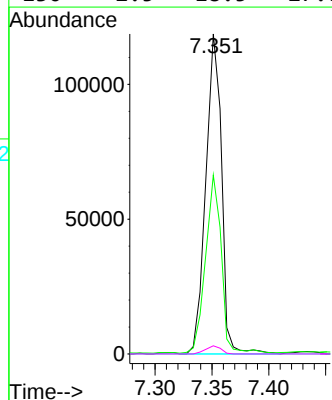
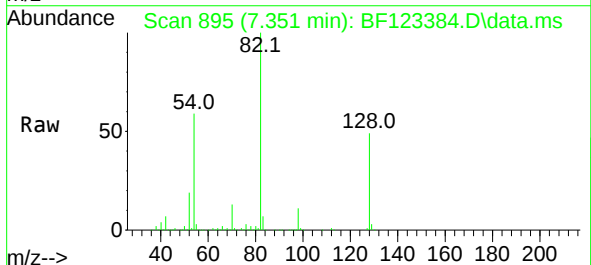
Instrument :
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ClientSampleId :
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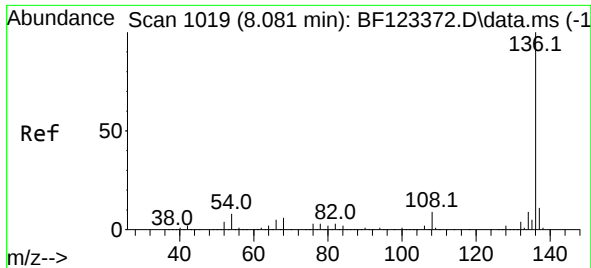
Tgt Ion: 99 Resp: 1488062
Ion Ratio Lower Upper
99 100
42 20.8 13.8 20.6#
71 29.3 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 11.75 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF123384.D
Acq: 18 Mar 2021 15:38

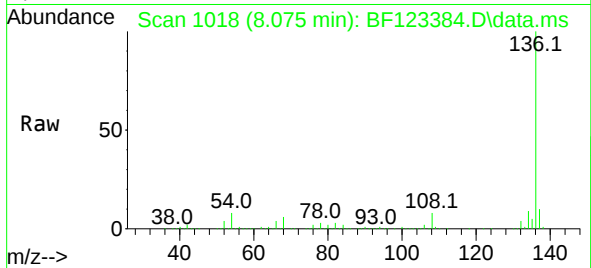
Tgt Ion: 70 Resp: 114508
Ion Ratio Lower Upper
70 100
42 55.9 43.0 64.4
101 0.0 7.9 11.9#
130 2.5 18.5 27.7#





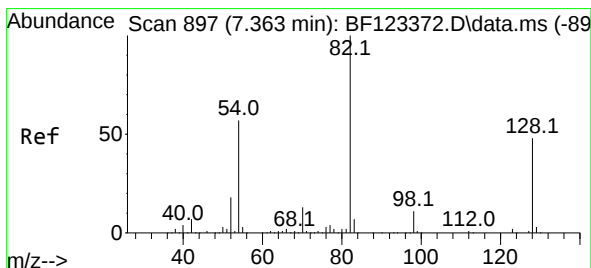
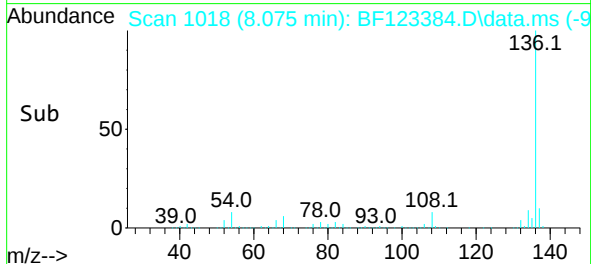
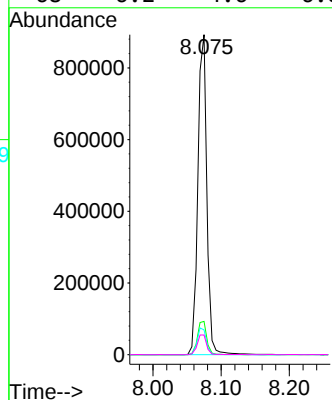
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF123384.D
Acq: 18 Mar 2021 15:38

Instrument :
BNA_F
ClientSampleId :
SP-MANHOLE



Tgt Ion:136 Resp: 816571

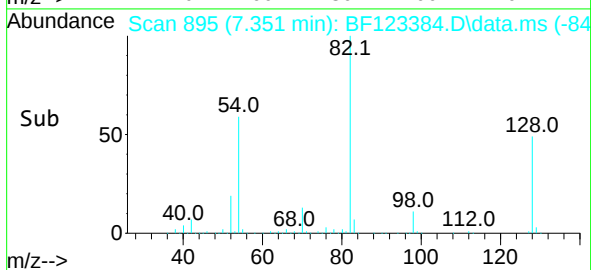
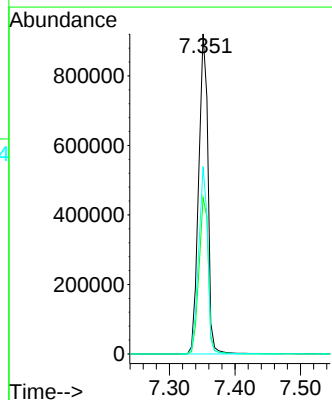
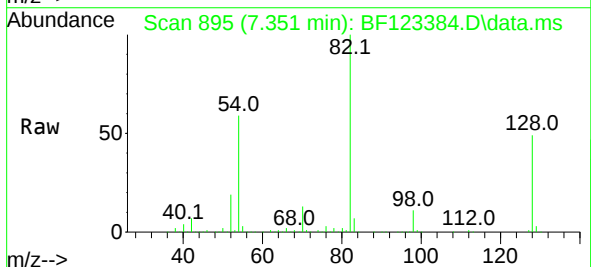
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.8	13.2
54	7.7	5.5	8.3
68	6.2	4.6	6.8

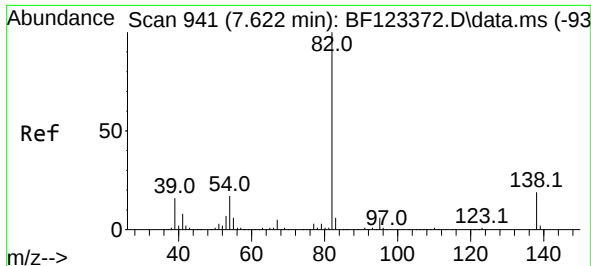


#23
Nitrobenzene-d5
Concen: 65.57 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF123384.D
Acq: 18 Mar 2021 15:38

Tgt Ion: 82 Resp: 911592

Ion	Ratio	Lower	Upper
82	100		
128	48.9	37.0	55.4
54	58.6	38.4	57.6#

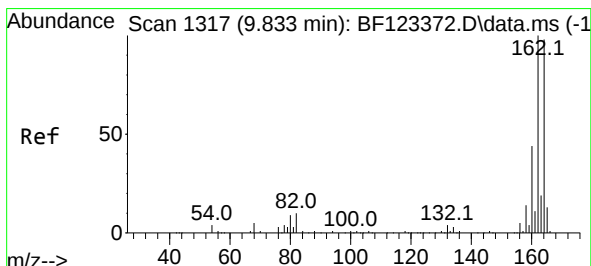
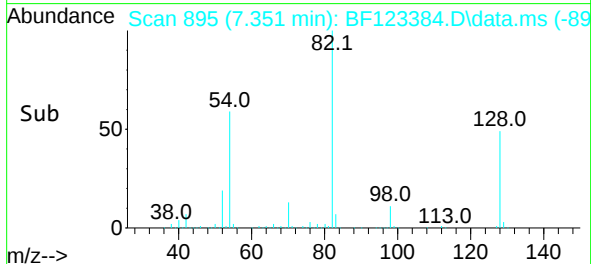
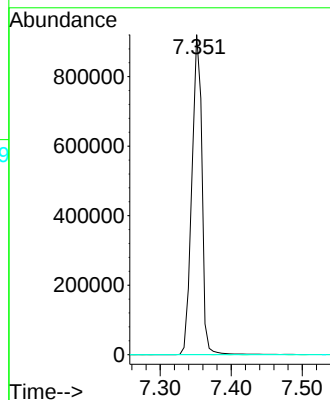
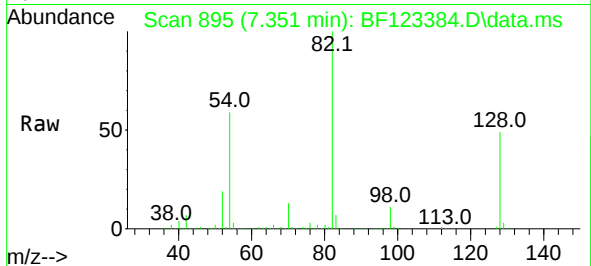




#25
Isophorone
Concen: 31.40 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF123384.D
Acq: 18 Mar 2021 15:38

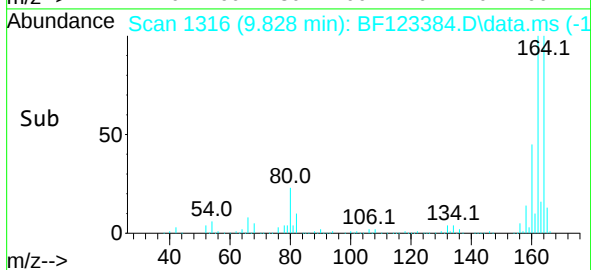
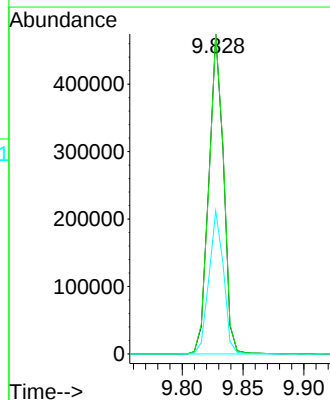
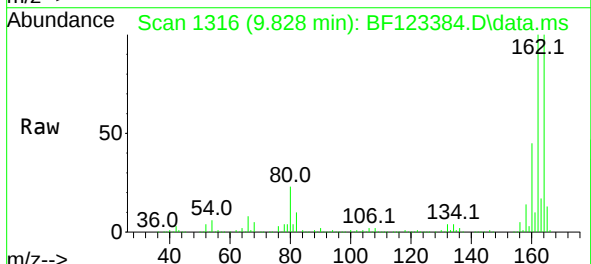
Instrument :
BNA_F
ClientSampleId :
SP-MANHOLE

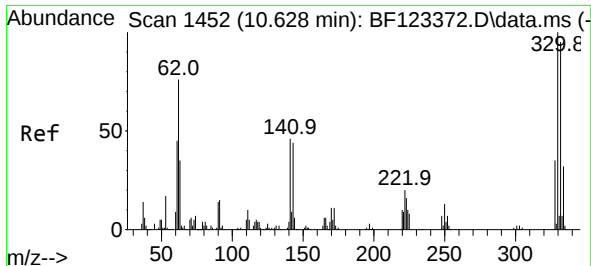
Tgt Ion: 82 Resp: 906012
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF123384.D
Acq: 18 Mar 2021 15:38

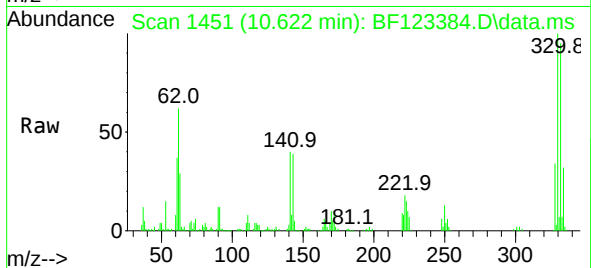
Tgt Ion: 164 Resp: 396528
Ion Ratio Lower Upper
164 100
162 100.0 80.8 121.2
160 44.8 35.4 53.0



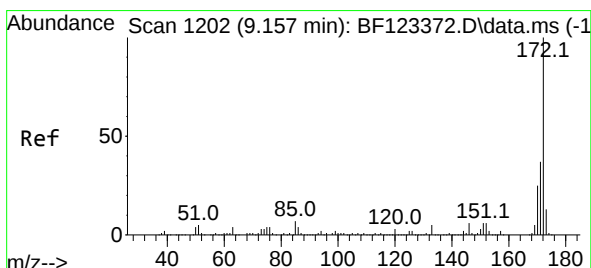
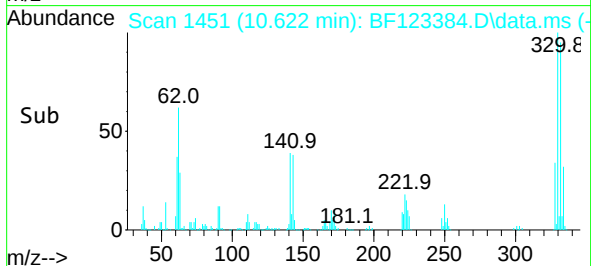
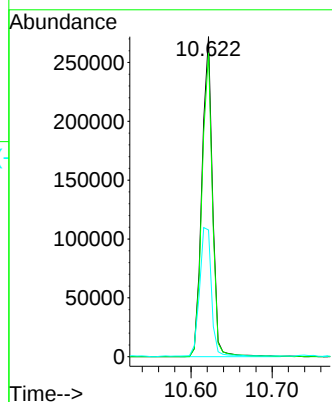


#42
2,4,6-Tribromophenol
Concen: 88.62 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF123384.D
Acq: 18 Mar 2021 15:38

Instrument :
BNA_F
ClientSampled :
SP-MANHOLE

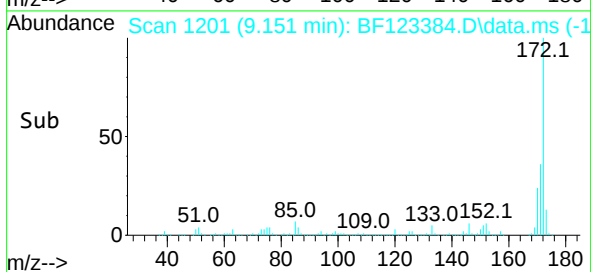
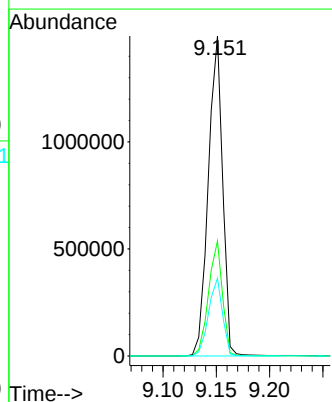
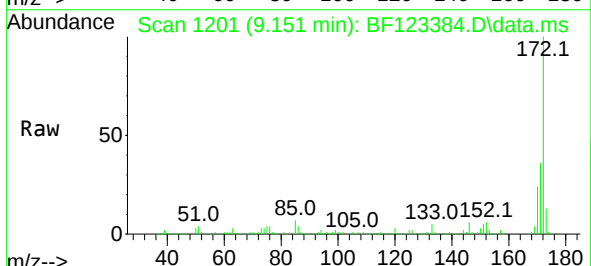


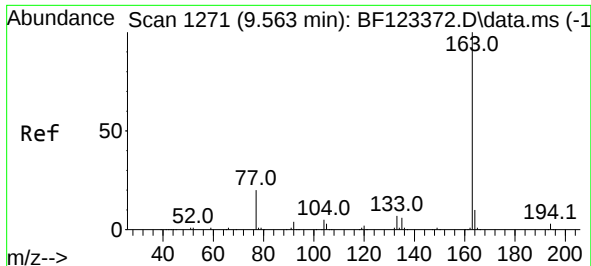
Tgt Ion: 330 Resp: 245609
Ion Ratio Lower Upper
330 100
332 94.4 77.5 116.3
141 44.7 23.8 35.8#



#45
2-Fluorobiphenyl
Concen: 69.44 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF123384.D
Acq: 18 Mar 2021 15:38

Tgt Ion: 172 Resp: 1403215
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 24.3 19.5 29.3

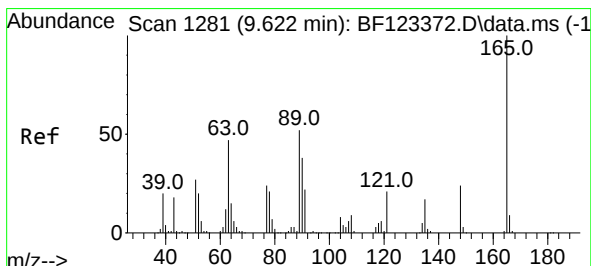
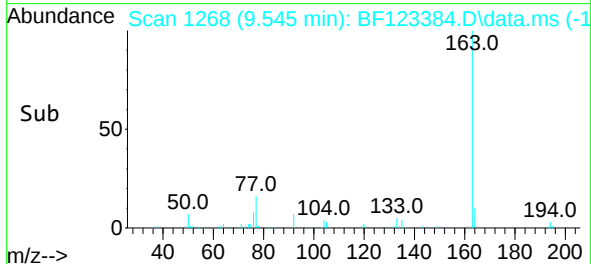
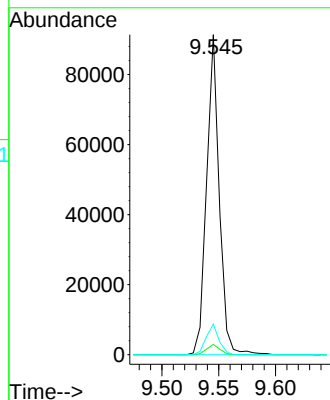
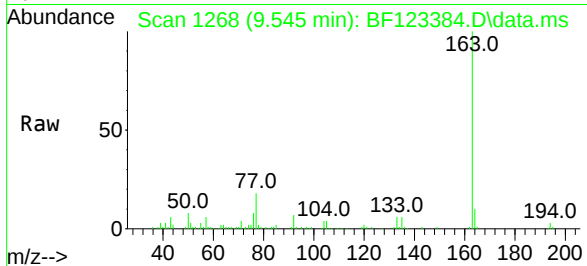




#50
Dimethylphthalate
Concen: 2.52 ng
RT: 9.545 min Scan# 1268
Delta R.T. -0.018 min
Lab File: BF123384.D
Acq: 18 Mar 2021 15:38

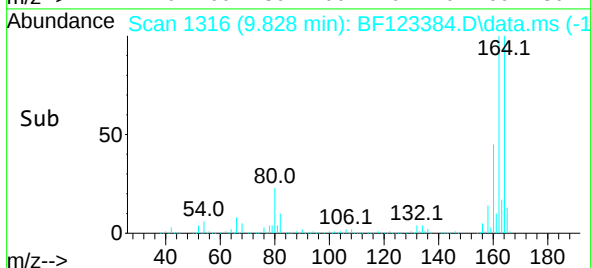
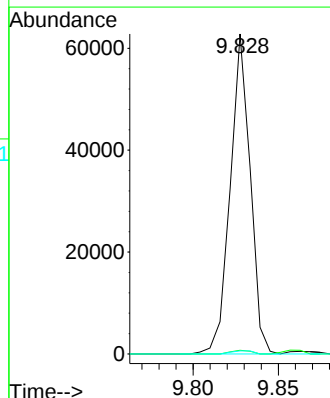
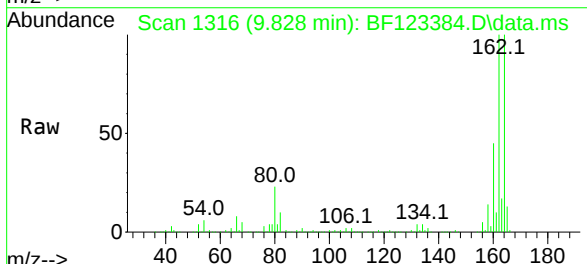
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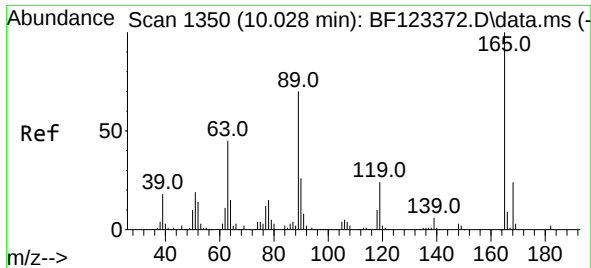
Tgt Ion:163 Resp: 70684
Ion Ratio Lower Upper
163 100
194 3.2 3.4 5.0#
164 9.5 8.1 12.1



#51
2,6-Dinitrotoluene
Concen: 7.69 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF123384.D
Acq: 18 Mar 2021 15:38

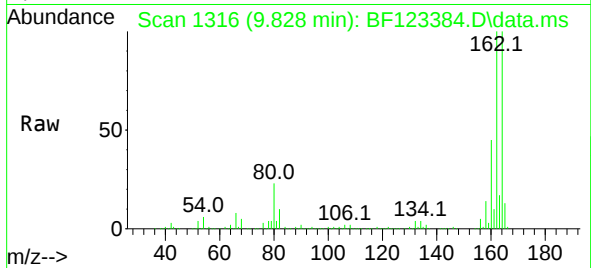
Tgt Ion:165 Resp: 51329
Ion Ratio Lower Upper
165 100
63 1.1 36.6 55.0#
89 0.9 39.4 59.0#



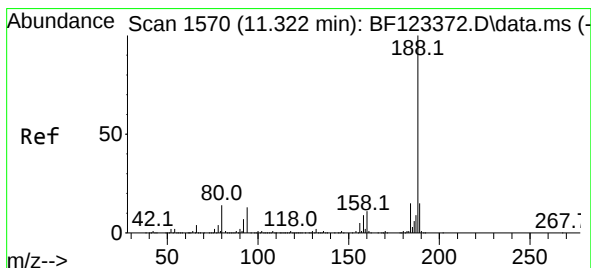
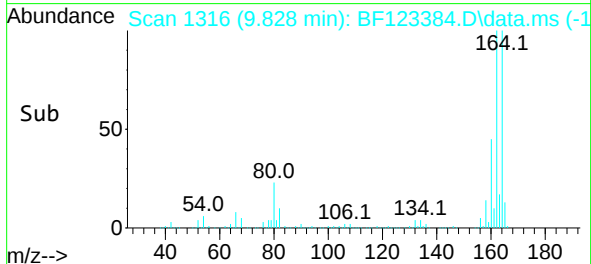
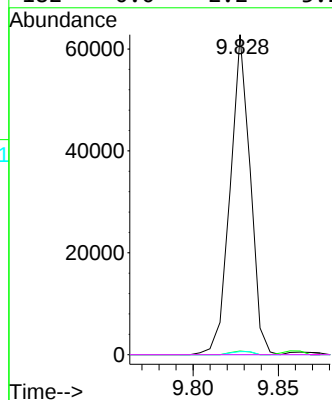


#57
2,4-Dinitrotoluene
Concen: 6.03 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.200 min
Lab File: BF123384.D
Acq: 18 Mar 2021 15:38

Instrument :
BNA_F
ClientSampleId :
SP-MANHOLE

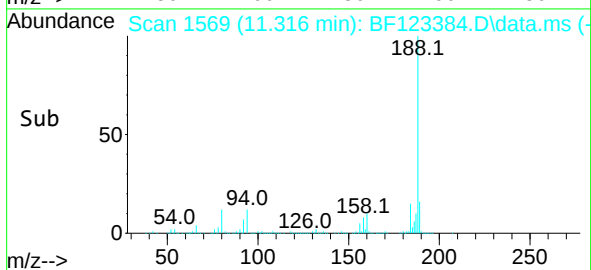
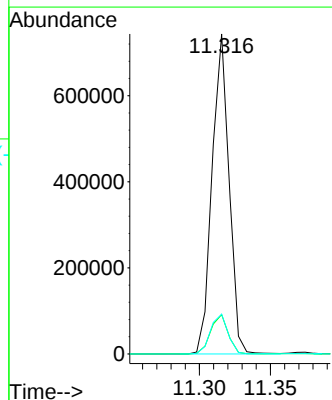
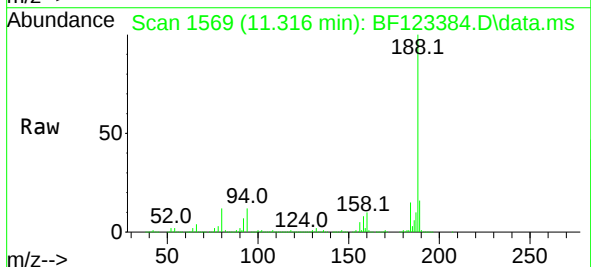


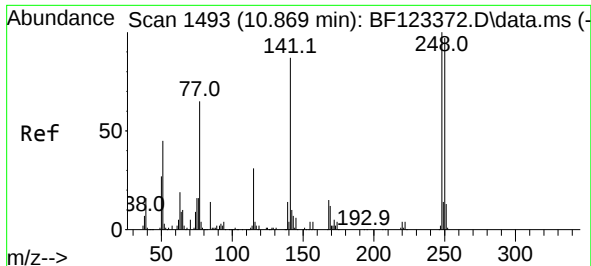
Tgt Ion:165 Resp: 51329
Ion Ratio Lower Upper
165 100
63 1.1 34.3 51.5#
89 0.9 55.2 82.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF123384.D
Acq: 18 Mar 2021 15:38

Tgt Ion:188 Resp: 617111
Ion Ratio Lower Upper
188 100
94 12.3 7.4 11.2#
80 12.5 8.2 12.4#

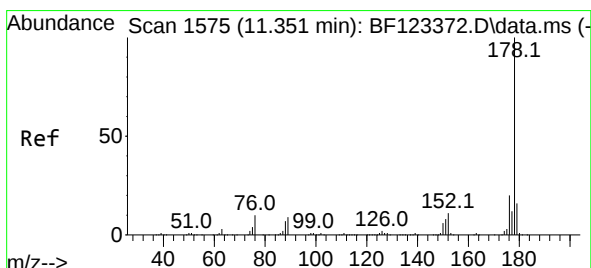
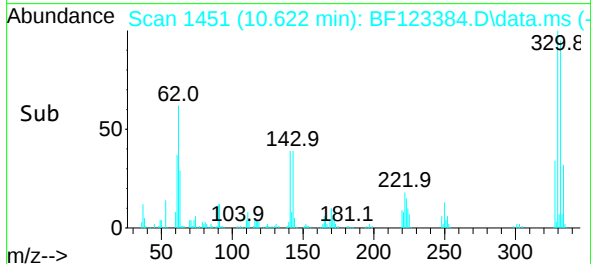
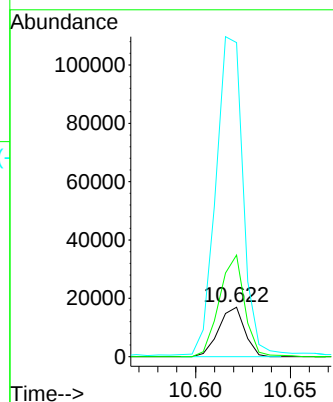
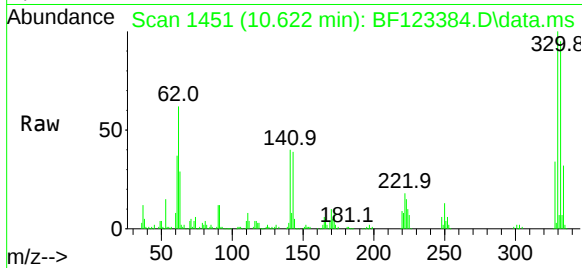




#67
4-Bromophenyl-phenylether
Concen: 2.75 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.247 min
Lab File: BF123384.D
Acq: 18 Mar 2021 15:38

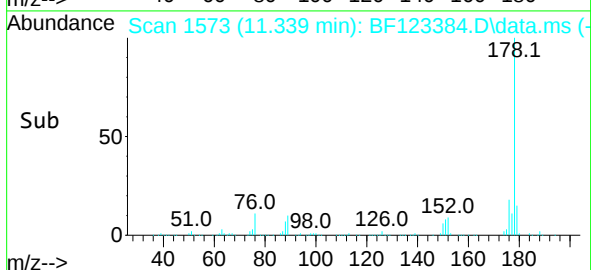
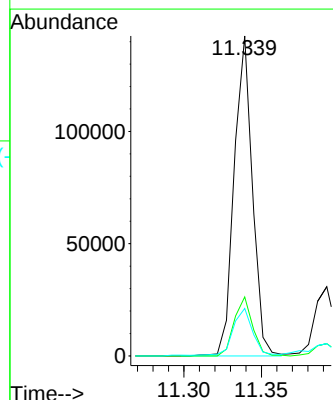
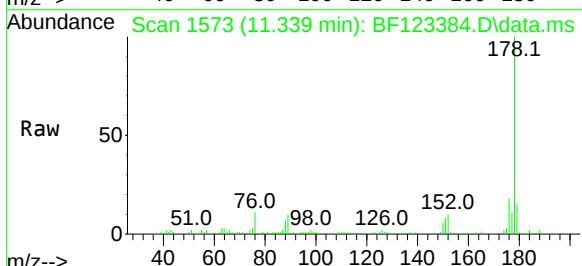
Instrument :
BNA_F
ClientSampleId :
SP-MANHOLE

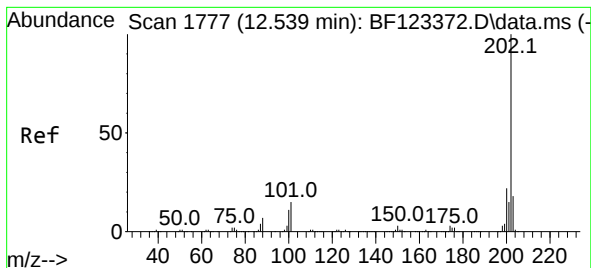
Tgt Ion:248 Resp: 16173
Ion Ratio Lower Upper
248 100
250 206.0 76.8 115.2#
141 636.2 59.8 89.8#



#71
Phenanthrene
Concen: 3.09 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF123384.D
Acq: 18 Mar 2021 15:38

Tgt Ion:178 Resp: 116554
Ion Ratio Lower Upper
178 100
176 18.4 16.2 24.2
179 14.8 12.7 19.1

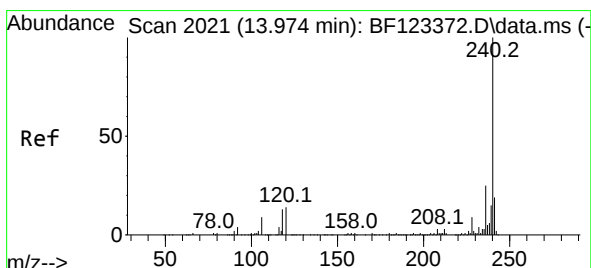
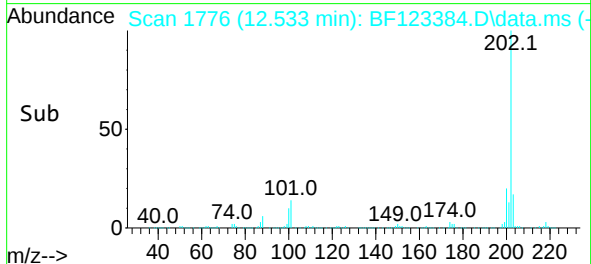
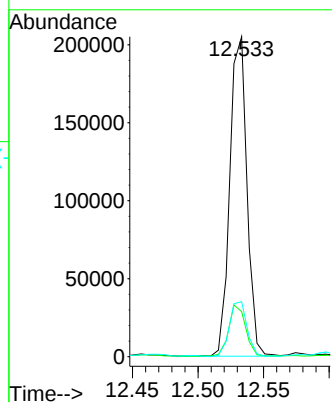
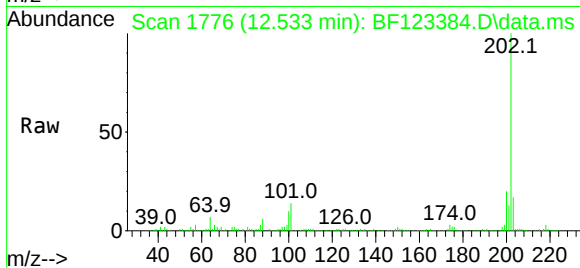




#75
Fluoranthene
Concen: 3.66 ng
RT: 12.533 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF123384.D
Acq: 18 Mar 2021 15:38

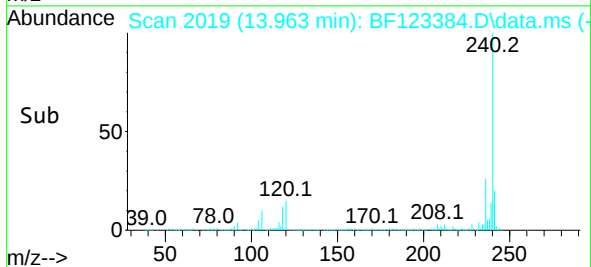
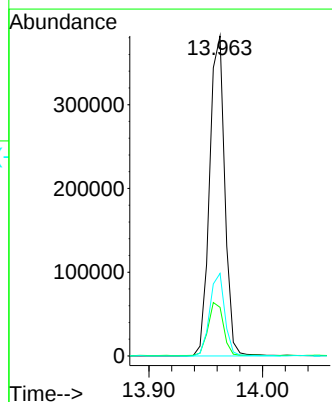
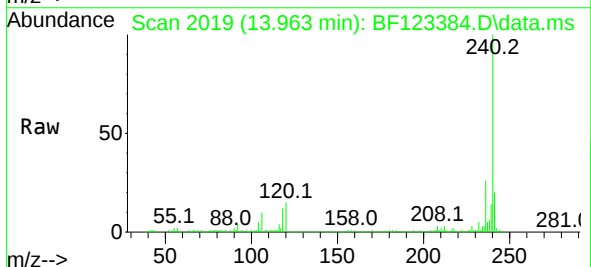
Instrument :
BNA_F
ClientSampleId :
SP-MANHOLE

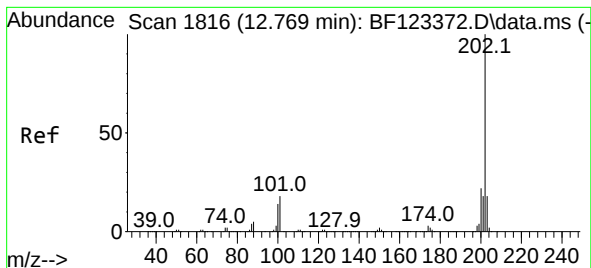
Tgt Ion:202 Resp: 186468
Ion Ratio Lower Upper
202 100
101 14.1 0.0 32.2
203 17.2 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF123384.D
Acq: 18 Mar 2021 15:38

Tgt Ion:240 Resp: 355157
Ion Ratio Lower Upper
240 100
120 15.2 8.6 12.8#
236 25.8 20.3 30.5





#78

Pyrene

Concen: 5.18 ng

RT: 12.757 min Scan# 1814

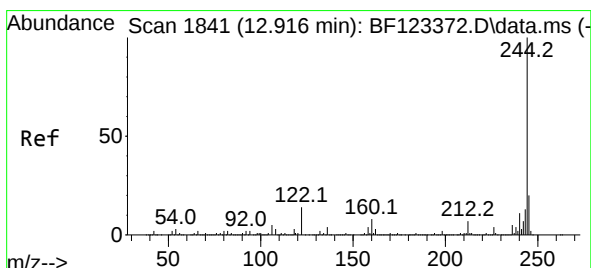
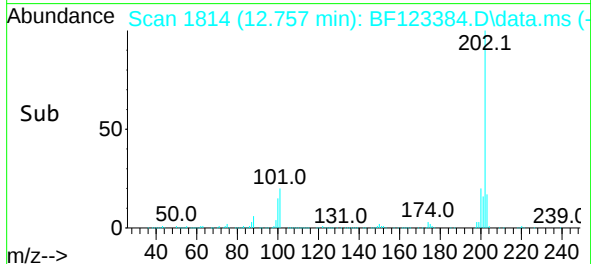
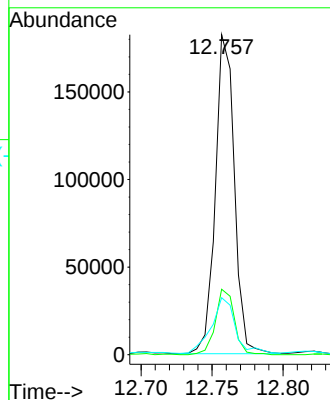
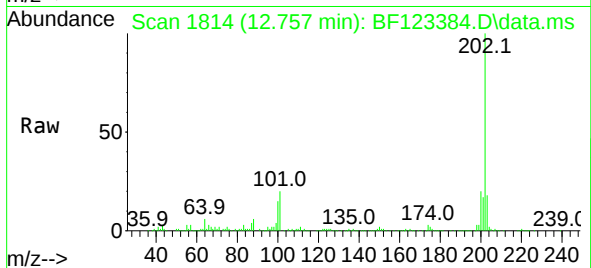
Delta R.T. -0.012 min

Lab File: BF123384.D

Acq: 18 Mar 2021 15:38

Tgt Ion:202 Resp: 168733

Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.6	26.4
203	17.8	14.6	21.8



#79

Terphenyl-d14

Concen: 64.57 ng

RT: 12.910 min Scan# 1840

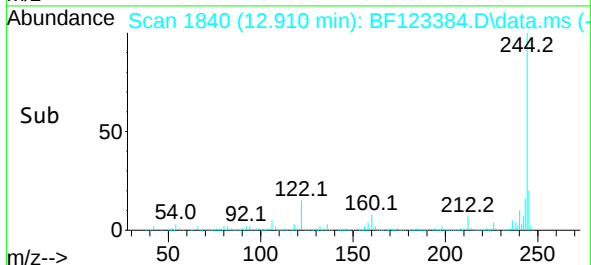
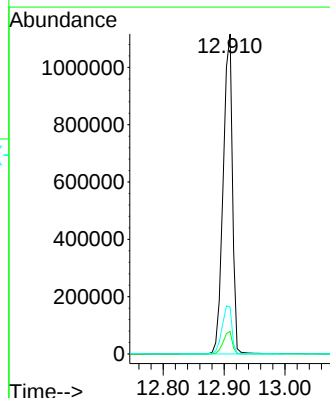
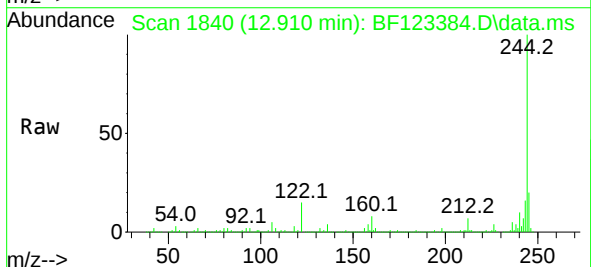
Delta R.T. -0.006 min

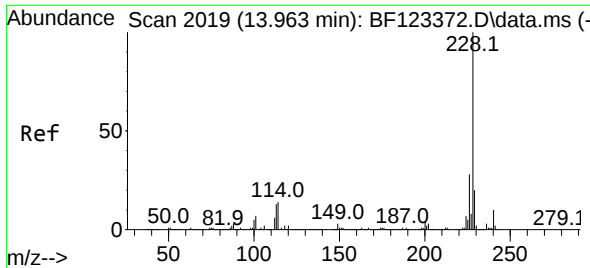
Lab File: BF123384.D

Acq: 18 Mar 2021 15:38

Tgt Ion:244 Resp: 1177762

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	14.7	8.3	12.5

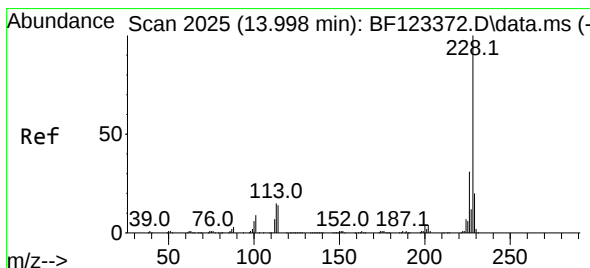
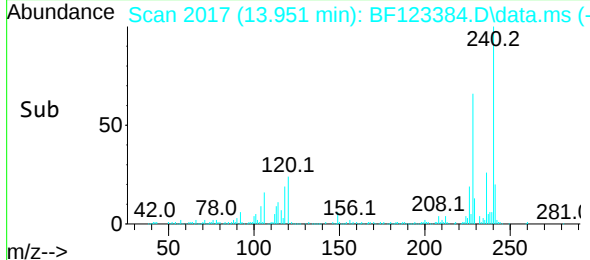
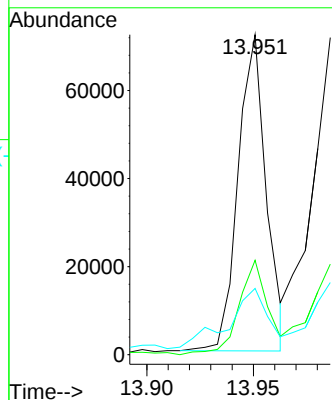
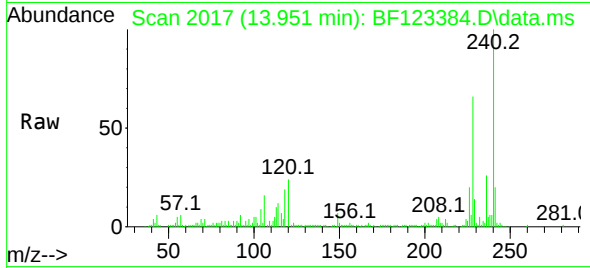




#81
Benzo(a)anthracene
Concen: 2.82 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF123384.D
Acq: 18 Mar 2021 15:38

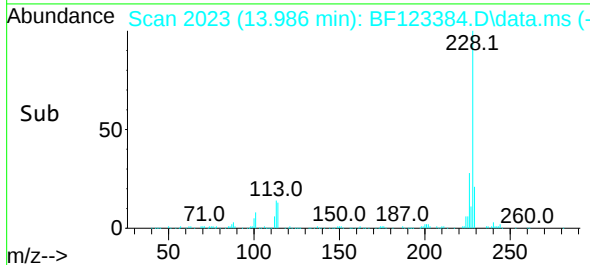
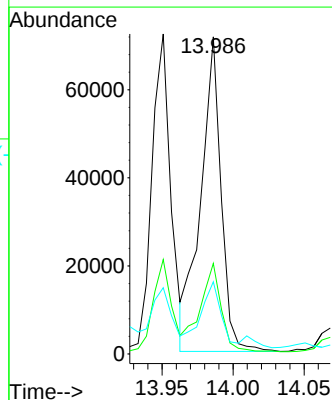
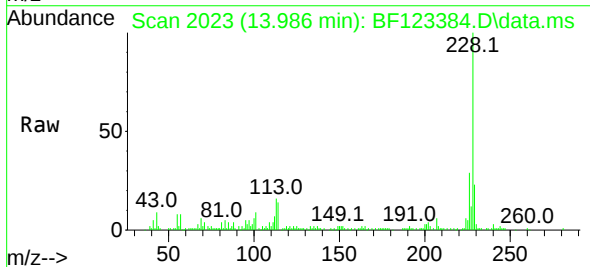
Instrument :
BNA_F
ClientSampleId :
SP-MANHOLE

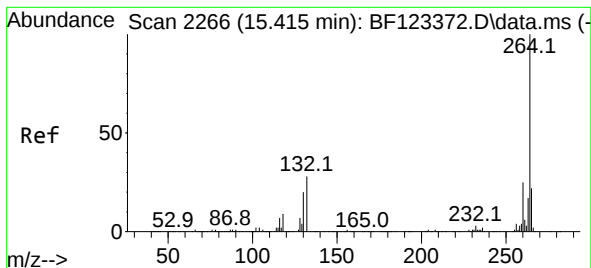
Tgt Ion:228 Resp: 65981
Ion Ratio Lower Upper
228 100
226 29.5 23.0 34.4
229 20.7 16.6 24.8



#83
Chrysene
Concen: 2.97 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF123384.D
Acq: 18 Mar 2021 15:38

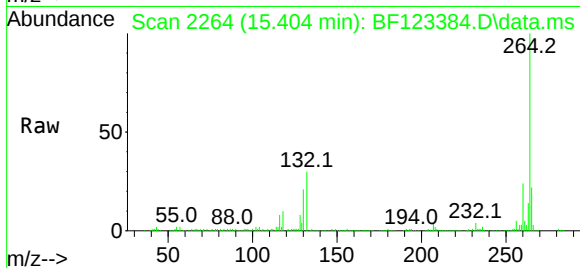
Tgt Ion:228 Resp: 71890
Ion Ratio Lower Upper
228 100
226 28.5 24.6 36.8
229 22.8 15.8 23.6



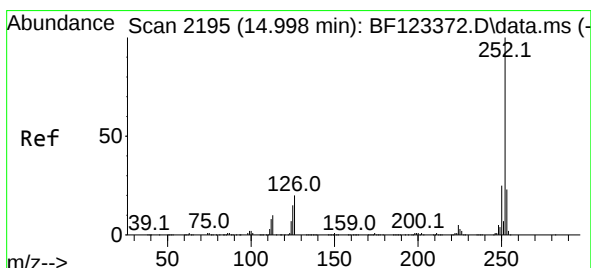
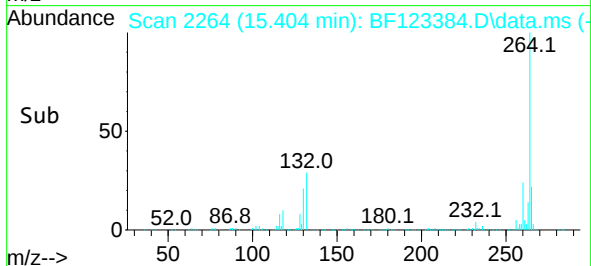
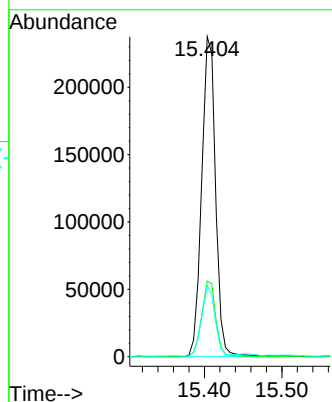


#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.404 min Scan# 2264
 Delta R.T. -0.012 min
 Lab File: BF123384.D
 Acq: 18 Mar 2021 15:38

Instrument :
 BNA_F
 ClientSampleId :
 SP-MANHOLE

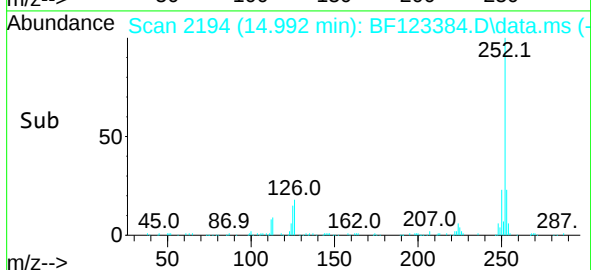
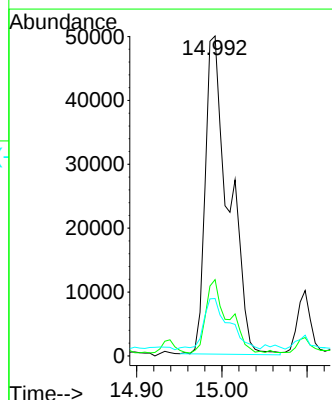
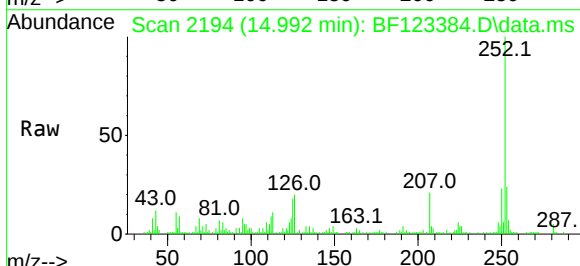


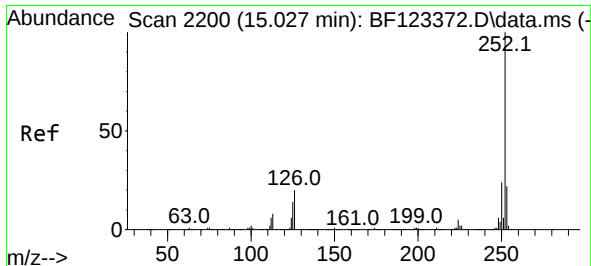
Tgt Ion:	264	Resp:	296074
Ion Ratio	Lower	Upper	
264	100		
260	23.6	18.6	28.0
265	22.2	17.0	25.6



#88
 Benzo(b)fluoranthene
 Concen: 4.48 ng
 RT: 14.992 min Scan# 2194
 Delta R.T. -0.006 min
 Lab File: BF123384.D
 Acq: 18 Mar 2021 15:38

Tgt Ion:	252	Resp:	95335
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.3	27.5
125	17.9	8.1	12.1#





#89

Benzo(k)fluoranthene

Concen: 5.00 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.035 min

Lab File: BF123384.D

Acq: 18 Mar 2021 15:38

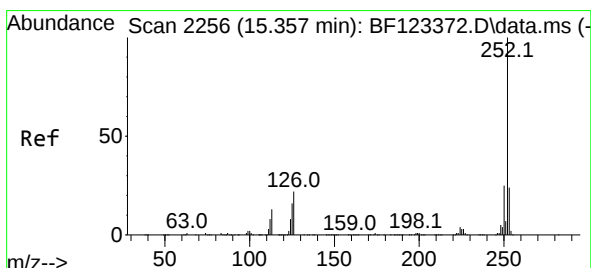
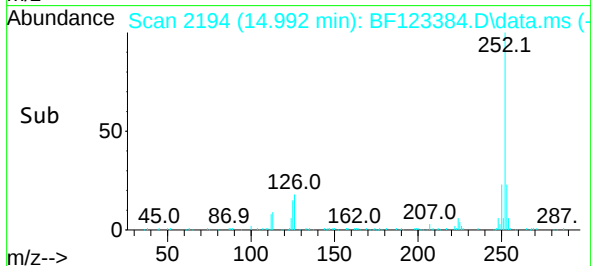
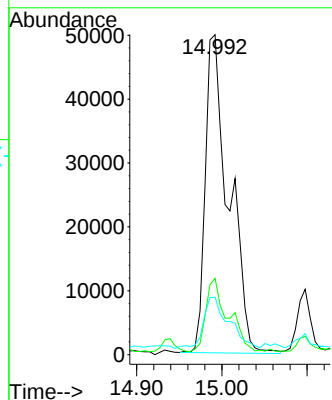
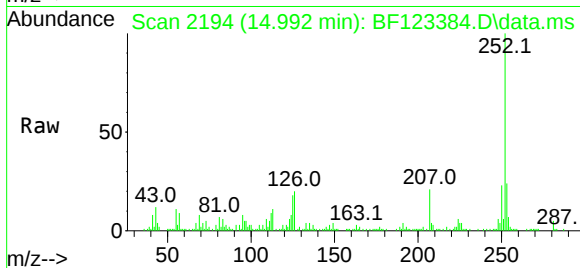
Tgt Ion:252	Resp:	95335
Ion Ratio	Lower	Upper
252	100	
253	23.9	17.8 26.8
125	17.9	8.4 12.6#

Instrument :

BNA_F

ClientSampleId :

SP-MANHOLE



#90

Benzo(a)pyrene

Concen: 2.57 ng

RT: 15.345 min Scan# 2254

Delta R.T. -0.012 min

Lab File: BF123384.D

Acq: 18 Mar 2021 15:38

Tgt Ion:252	Resp:	48192
Ion Ratio	Lower	Upper
252	100	
253	24.8	17.5 26.3
125	18.0	8.6 12.8#

