

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020921\
 Data File : BF123166.D
 Acq On : 9 Feb 2021 15:56
 Operator : JU/CG
 Sample : M1339-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-0-5

Quant Time: Feb 09 16:22:24 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 29 12:29:00 2021
 Response via : Initial Calibration

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

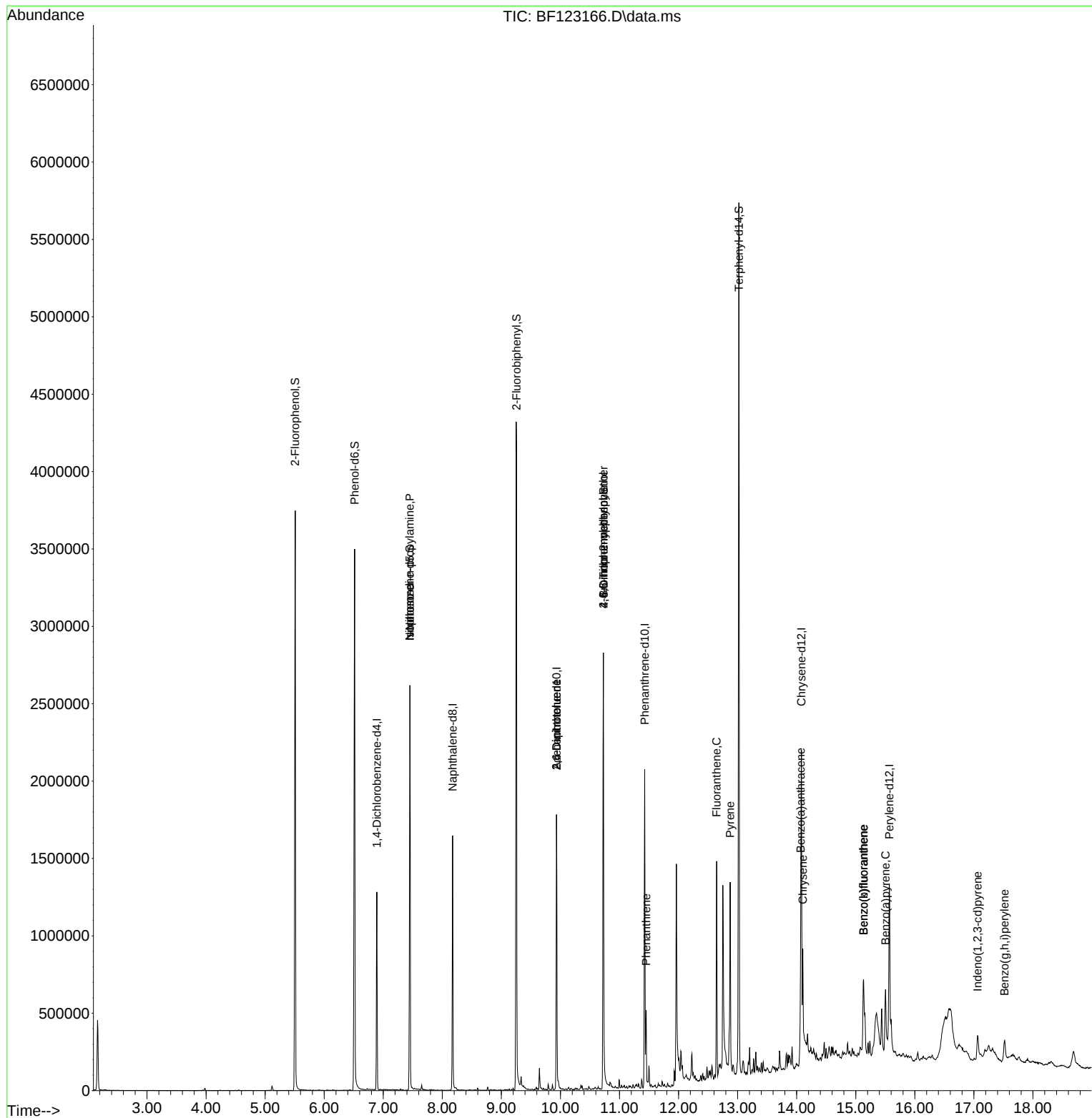
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	176400	20.00	ng	0.00
21) Naphthalene-d8	8.175	136	675091	20.00	ng	0.00
39) Acenaphthene-d10	9.933	164	378304	20.00	ng	0.00
64) Phenanthrene-d10	11.427	188	719541	20.00	ng	0.00
76) Chrysene-d12	14.080	240	607053	20.00	ng	0.00
86) Perylene-d12	15.568	264	512096	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1070073	93.57	ng	0.00
7) Phenol-d6	6.516	99	1325594	85.52	ng	0.00
23) Nitrobenzene-d5	7.451	82	839224	62.56	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	378748	92.23	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1547818	60.82	ng	0.00
79) Terphenyl-d14	13.022	244	1828923	59.19	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.451	70	114380	12.27	ng	# 79
25) Isophorone	7.451	82	839355	34.16	ng	# 65
51) 2,6-Dinitrotoluene	9.933	165	49370	7.81	ng	# 31
57) 2,4-Dinitrotoluene	9.933	165	49922	6.07	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.728	198	710	5.14	ng	# 1
67) 4-Bromophenyl-phenylether	10.728	248	25744	2.81	ng	# 1
71) Phenanthrene	11.451	178	167676	3.75	ng	97
75) Fluoranthene	12.645	202	501061	11.22	ng	99
78) Pyrene	12.874	202	467205	10.19	ng	98
81) Benzo(a)anthracene	14.068	228	280713	6.83	ng	98
83) Chrysene	14.104	228	229642	5.58	ng	96
87) Indeno(1,2,3-cd)pyrene	17.062	276	121435	3.56	ng	96
88) Benzo(b)fluoranthene	15.133	252	377436	10.21	ng	99
89) Benzo(k)fluoranthene	15.133	252	377436	10.99	ng	99
90) Benzo(a)pyrene	15.504	252	194379	5.99	ng	96
92) Benzo(g,h,i)perylene	17.521	276	117919	4.34	ng	98

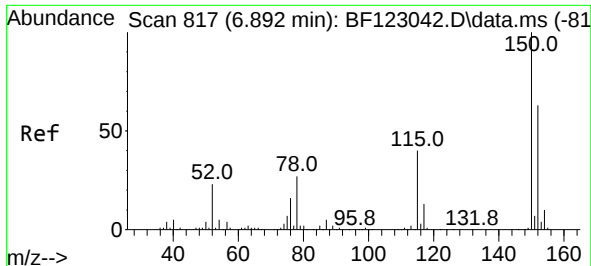
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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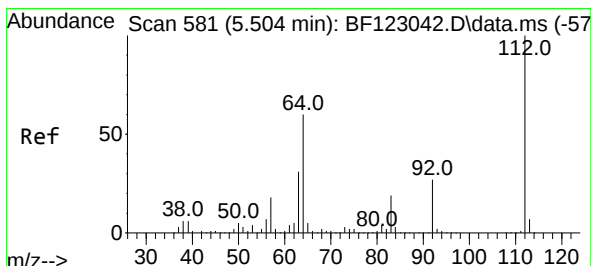
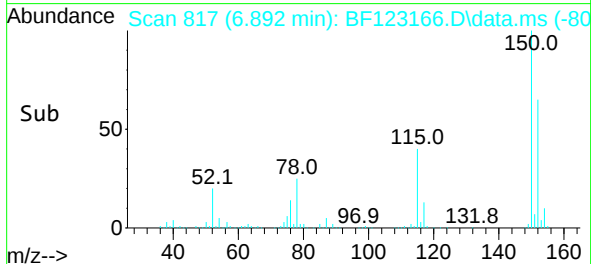
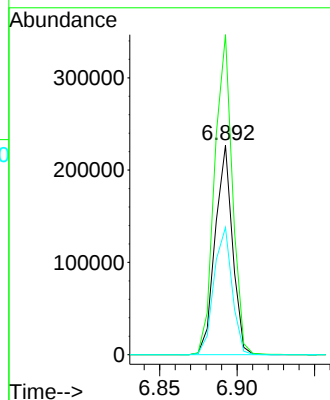
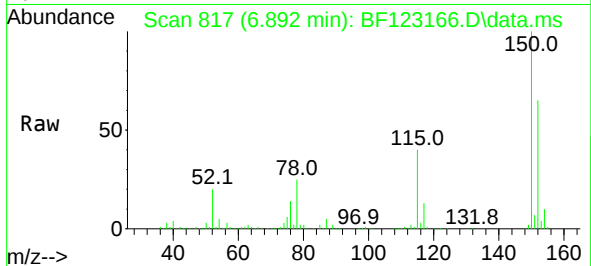




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.892 min Scan# 817
Delta R.T. 0.000 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

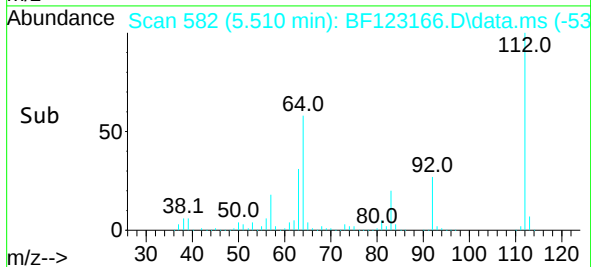
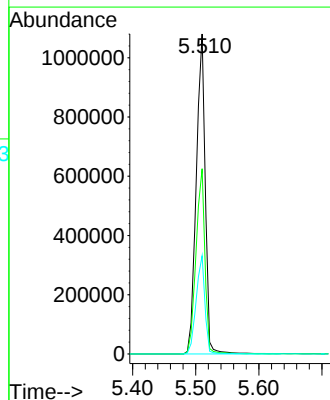
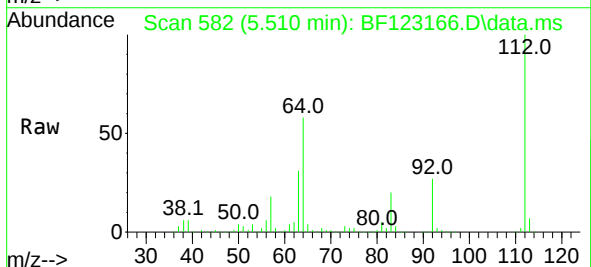
Instrument :
BNA_F
ClientSampled :
TP-0-5

Tgt Ion:152 Resp: 176400
Ion Ratio Lower Upper
152 100
150 152.8 125.8 188.6
115 60.8 49.3 73.9



#5
2-Fluorophenol
Concen: 93.57 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

Tgt Ion:112 Resp: 1070073
Ion Ratio Lower Upper
112 100
64 57.9 46.9 70.3
63 30.7 24.5 36.7



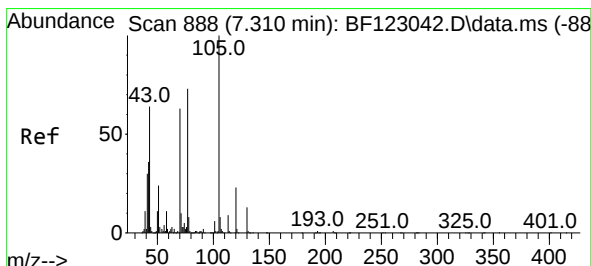
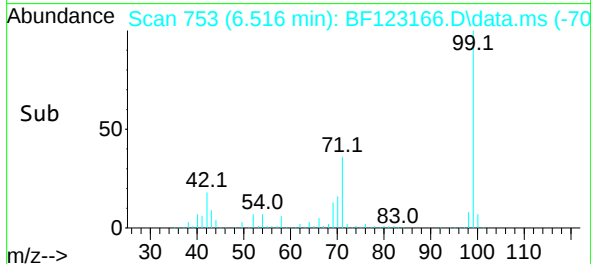
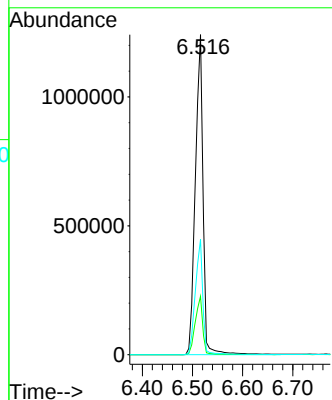
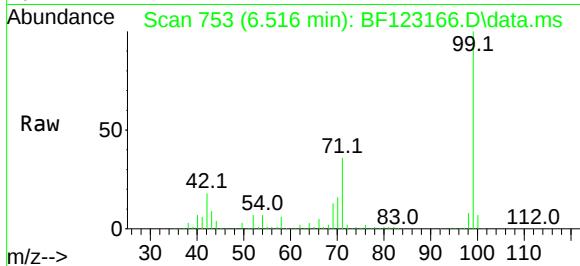


#7
Phenol-d6
Concen: 85.52 ng
RT: 6.516 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

Instrument :
BNA_F
ClientSampleId :
TP-0-5

Tgt Ion: 99 Resp: 1325594

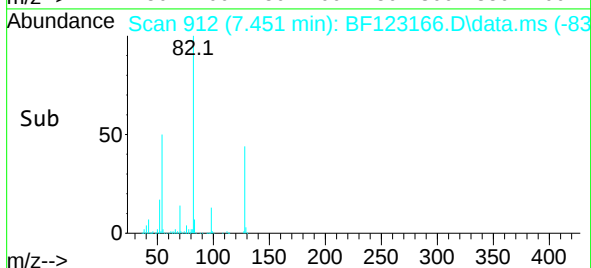
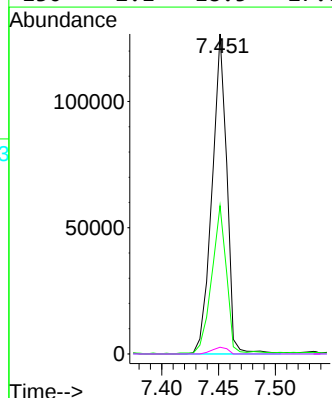
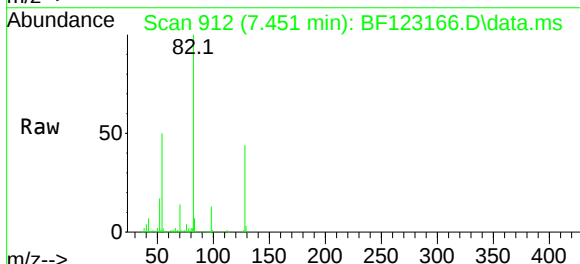
Ion	Ratio	Lower	Upper
99	100		
42	18.2	13.8	20.6
71	36.0	26.9	40.3

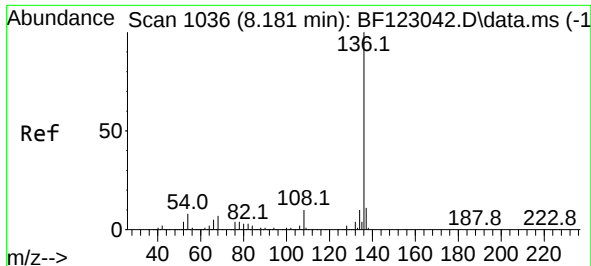


#19
n-Nitroso-di-n-propylamine
Concen: 12.27 ng
RT: 7.451 min Scan# 912
Delta R.T. 0.141 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

Tgt Ion: 70 Resp: 114380

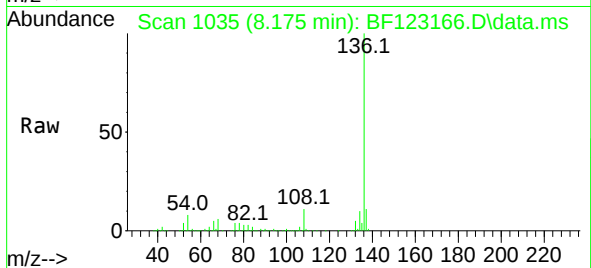
Ion	Ratio	Lower	Upper
70	100		
42	46.4	43.0	64.4
101	0.0	7.9	11.9#
130	2.1	18.5	27.7#



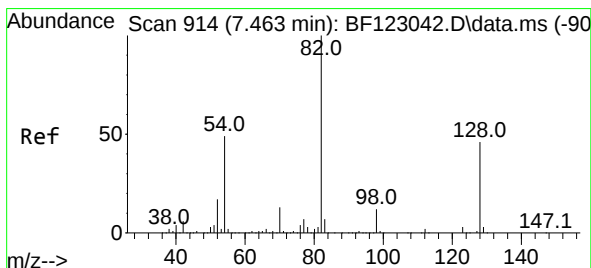
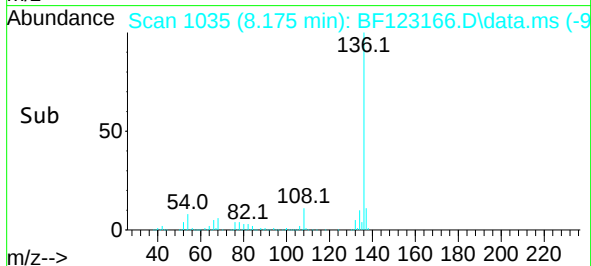
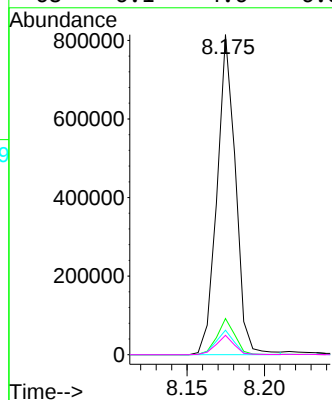


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.175 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

Instrument :
BNA_F
ClientSampled :
TP-0-5

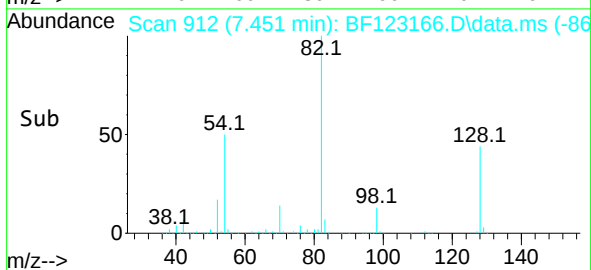
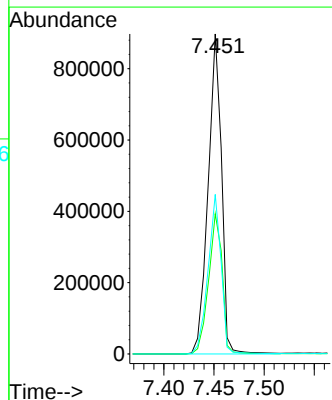
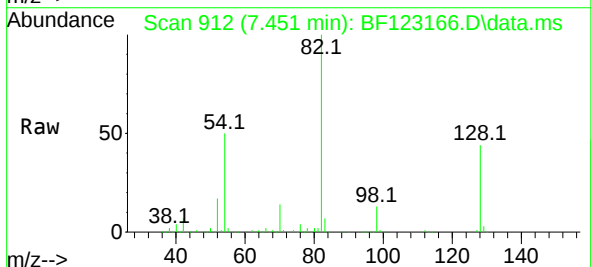


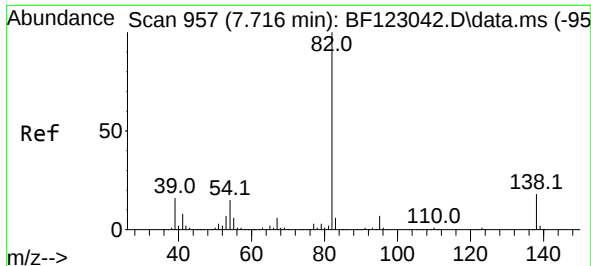
Tgt Ion:136	Resp: 675091
Ion Ratio	Lower Upper
136 100	
137 11.3	8.8 13.2
54 7.7	5.5 8.3
68 6.1	4.6 6.8



#23
Nitrobenzene-d5
Concen: 62.56 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.012 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

Tgt Ion: 82	Resp: 839224
Ion Ratio	Lower Upper
82 100	
128 43.8	37.0 55.4
54 49.8	38.4 57.6

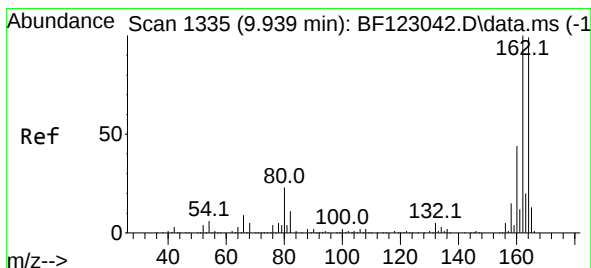
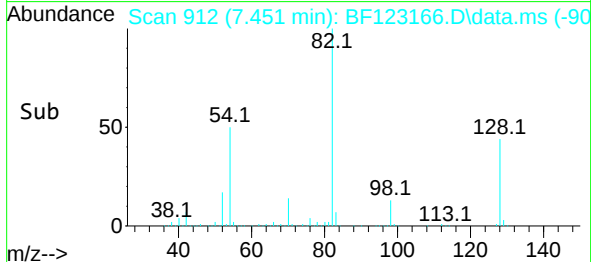
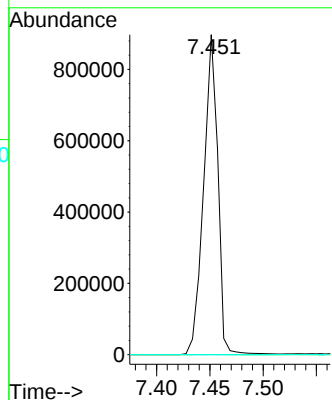
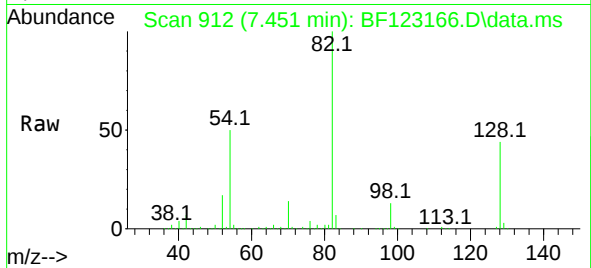




#25
Isophorone
Concen: 34.16 ng
RT: 7.451 min Scan# 912
Delta R.T. -0.265 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

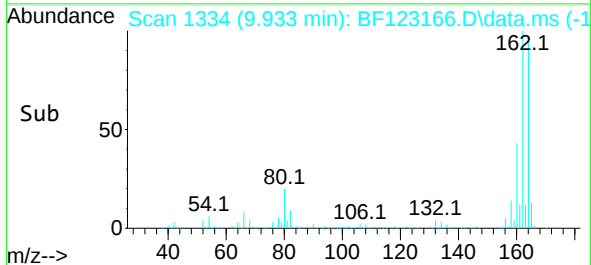
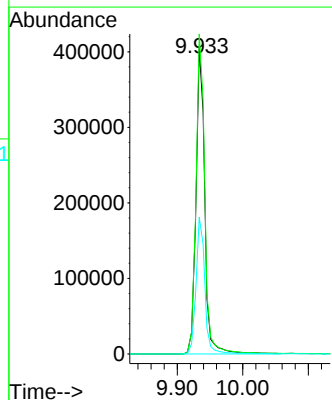
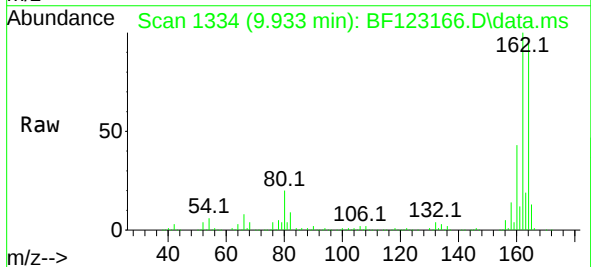
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BNA_F
ClientSampleId :
TP-0-5

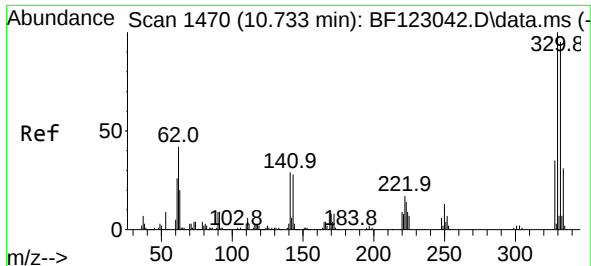
Tgt Ion: 82 Resp: 839355
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

Tgt Ion: 164 Resp: 378304
Ion Ratio Lower Upper
164 100
162 104.6 80.8 121.2
160 44.7 35.4 53.0

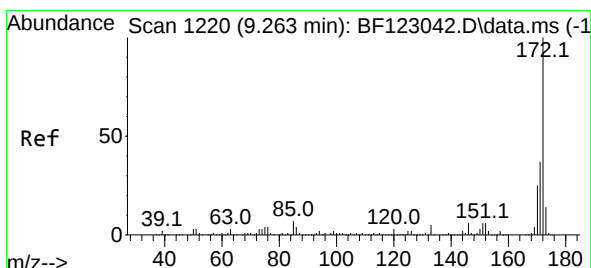
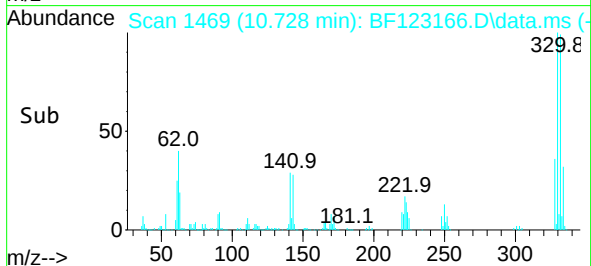
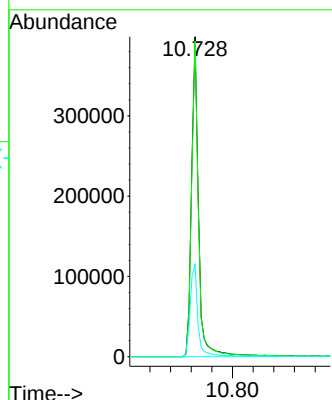
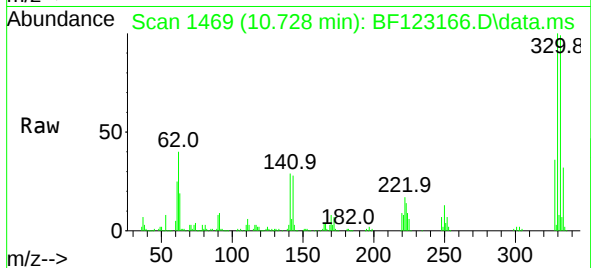




#42
 2,4,6-Tribromophenol
 Concen: 92.23 ng
 RT: 10.728 min Scan# 1469
 Delta R.T. -0.006 min
 Lab File: BF123166.D
 Acq: 9 Feb 2021 15:56

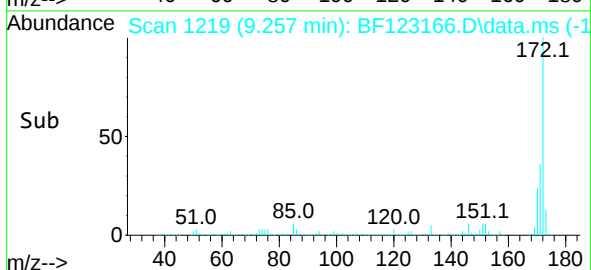
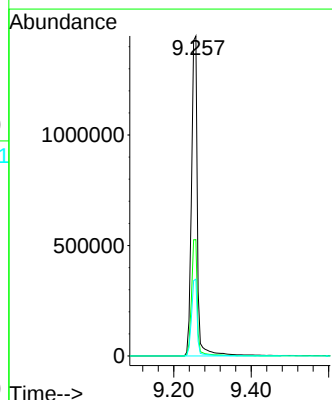
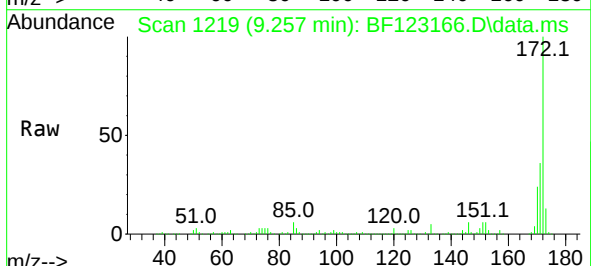
Instrument :
 BNA_F
 ClientSampleID :
 TP-0-5

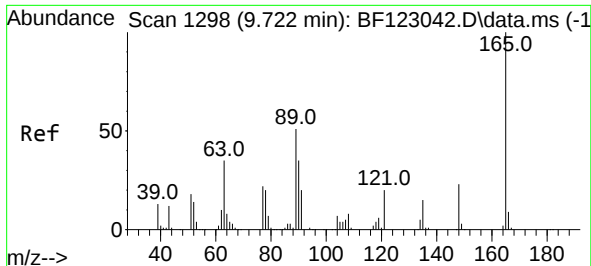
Tgt Ion:330 Resp: 378748
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.5 116.3
 141 31.5 23.8 35.8



#45
 2-Fluorobiphenyl
 Concen: 60.82 ng
 RT: 9.257 min Scan# 1219
 Delta R.T. -0.006 min
 Lab File: BF123166.D
 Acq: 9 Feb 2021 15:56

Tgt Ion:172 Resp: 1547818
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 24.0 19.5 29.3

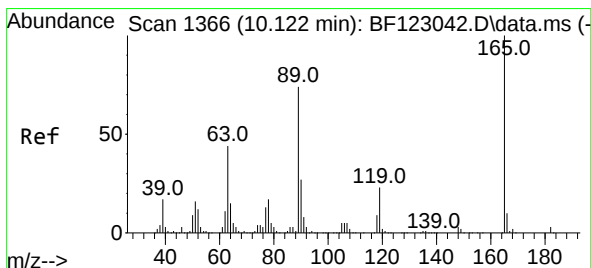
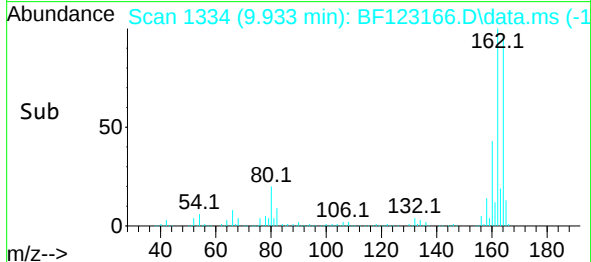
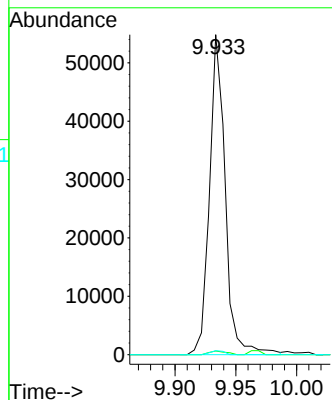
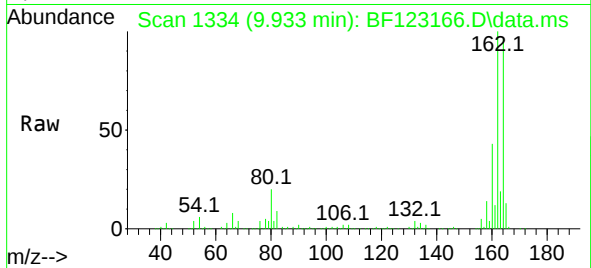




#51
2,6-Dinitrotoluene
Concen: 7.81 ng
RT: 9.933 min Scan# 1334
Delta R.T. 0.212 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

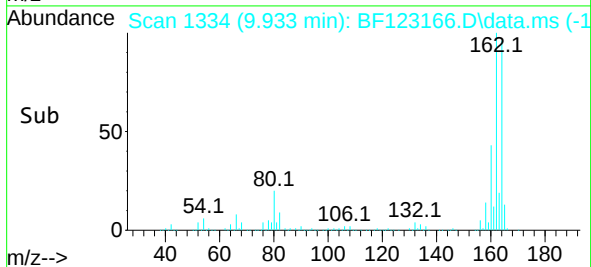
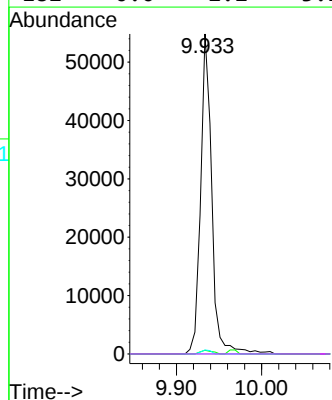
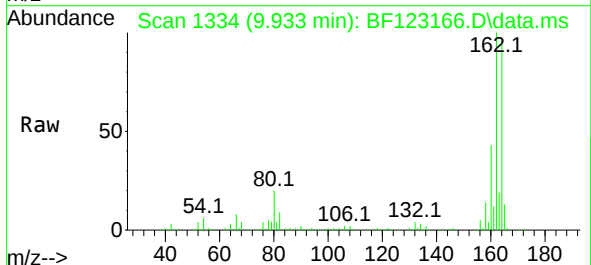
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ClientSampled :
TP-0-5

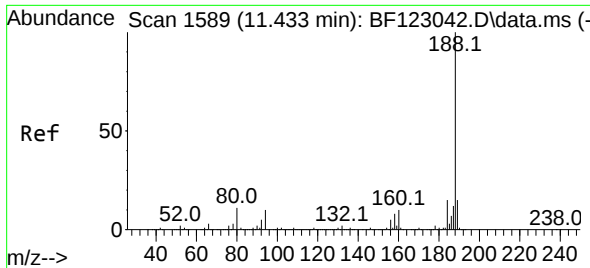
Tgt Ion:165 Resp: 49370
Ion Ratio Lower Upper
165 100
63 1.2 36.6 55.0#
89 1.2 39.4 59.0#



#57
2,4-Dinitrotoluene
Concen: 6.07 ng
RT: 9.933 min Scan# 1334
Delta R.T. -0.188 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

Tgt Ion:165 Resp: 49922
Ion Ratio Lower Upper
165 100
63 1.2 34.3 51.5#
89 1.2 55.2 82.8#
182 0.0 2.2 3.2#

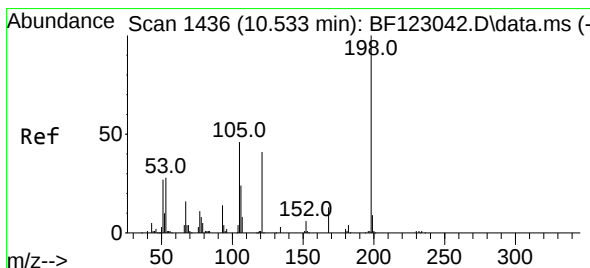
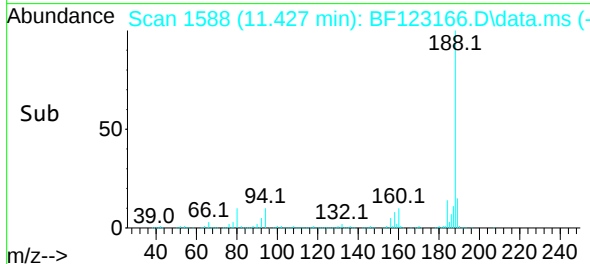
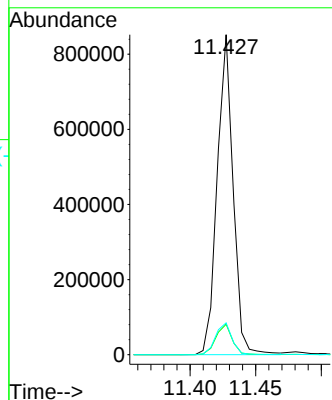
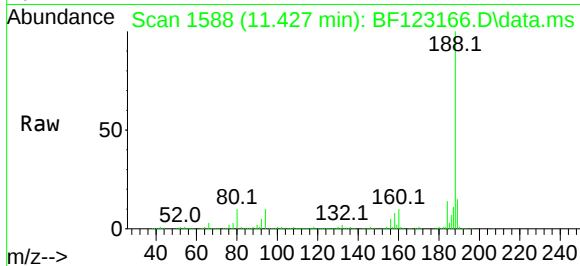




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.427 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

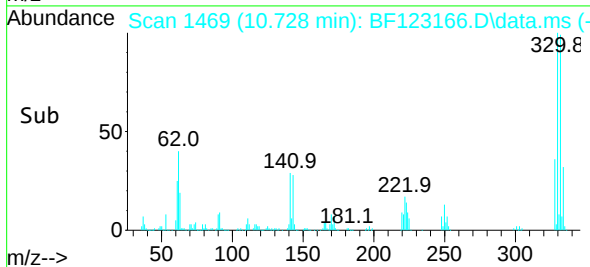
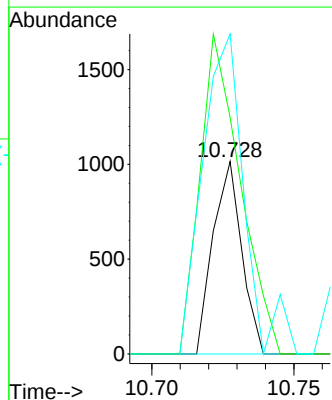
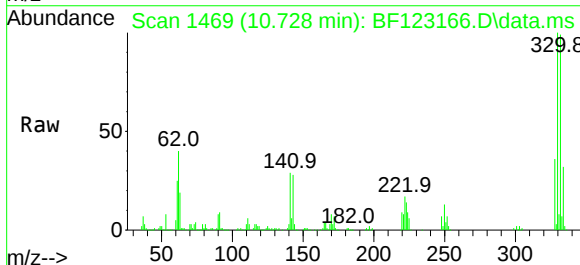
Instrument :
BNA_F
ClientSampled :
TP-0-5

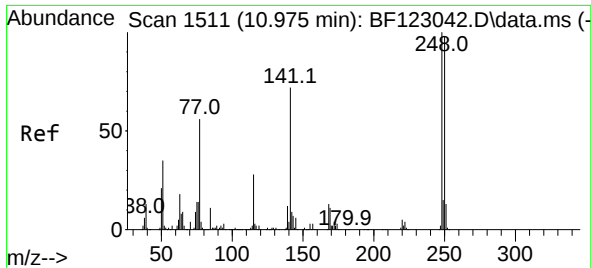
Tgt Ion:188 Resp: 719541
Ion Ratio Lower Upper
188 100
94 9.5 7.4 11.2
80 10.0 8.2 12.4



#65
4,6-Dinitro-2-methylphenol
Concen: 5.14 ng
RT: 10.728 min Scan# 1469
Delta R.T. 0.195 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

Tgt Ion:198 Resp: 710
Ion Ratio Lower Upper
198 100
51 123.0 20.3 60.3#
105 166.3 23.0 63.0#

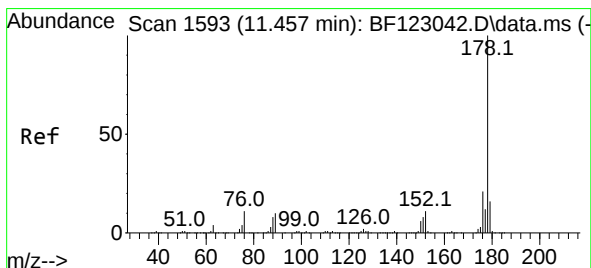
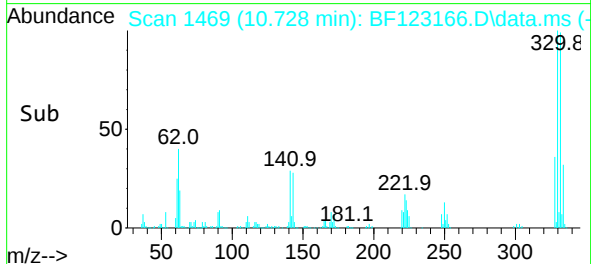
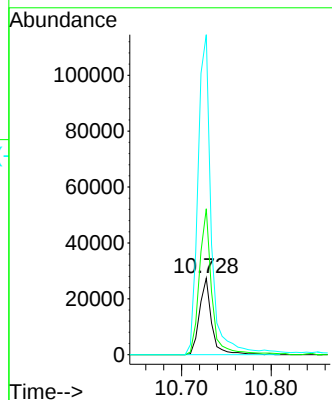
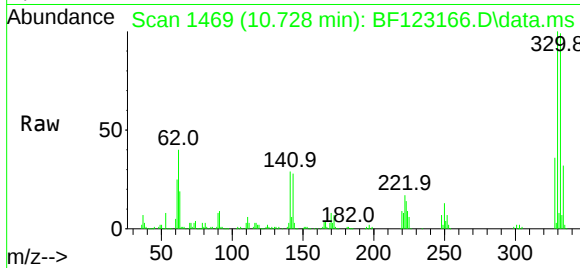




#67
4-Bromophenyl-phenylether
Concen: 2.81 ng
RT: 10.728 min Scan# 1469
Delta R.T. -0.247 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

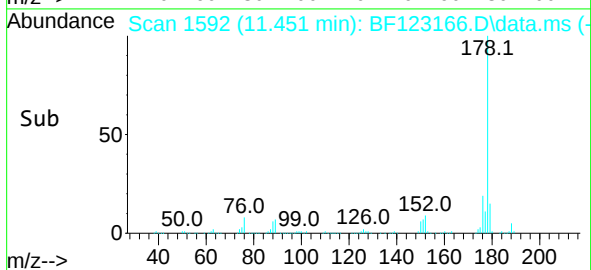
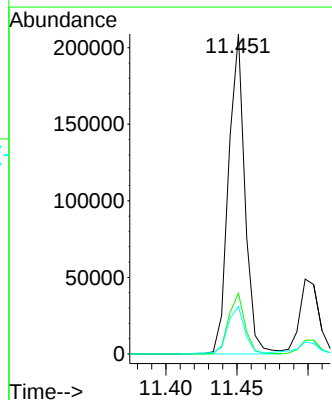
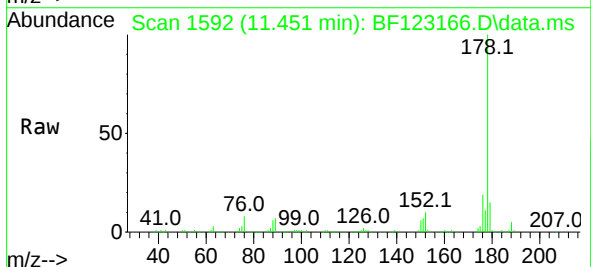
Instrument :
BNA_F
ClientSampleId :
TP-0-5

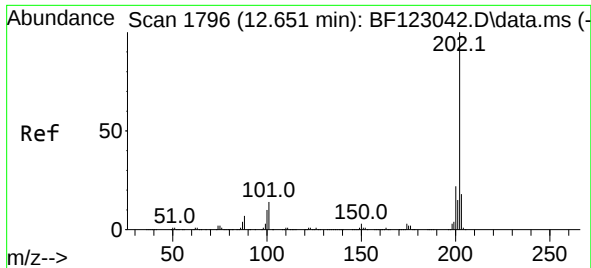
Tgt Ion:248 Resp: 25744
Ion Ratio Lower Upper
248 100
250 190.8 76.8 115.2#
141 418.6 59.8 89.8#



#71
Phenanthrene
Concen: 3.75 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

Tgt Ion:178 Resp: 167676
Ion Ratio Lower Upper
178 100
176 19.0 16.2 24.2
179 14.9 12.7 19.1

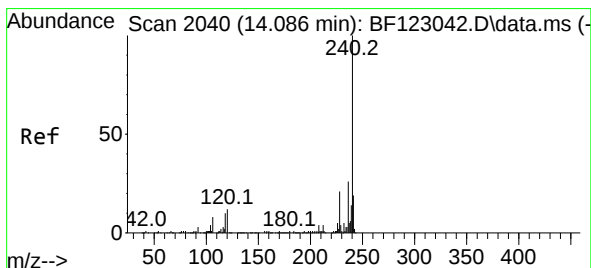
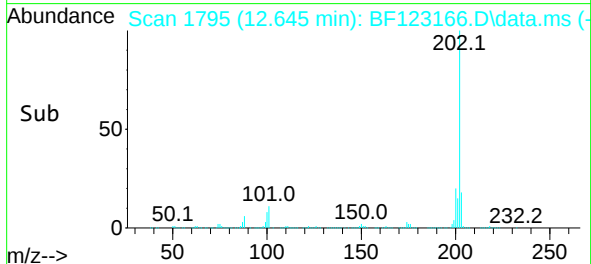
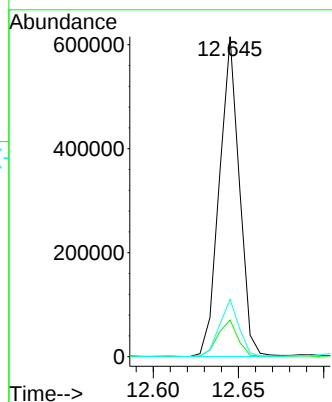
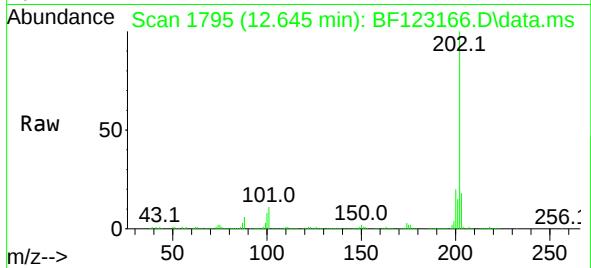




#75
Fluoranthene
Concen: 11.22 ng
RT: 12.645 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

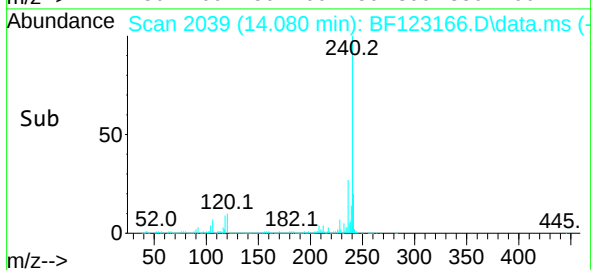
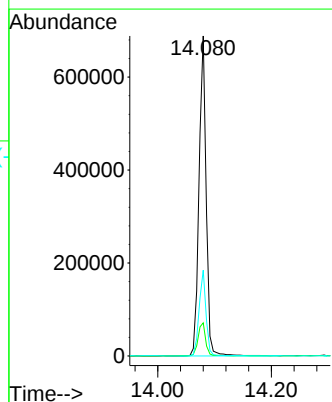
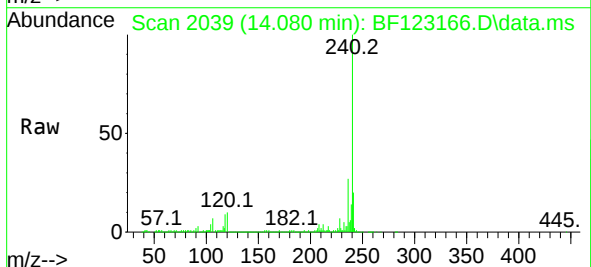
Instrument :
BNA_F
ClientSampleId :
TP-0-5

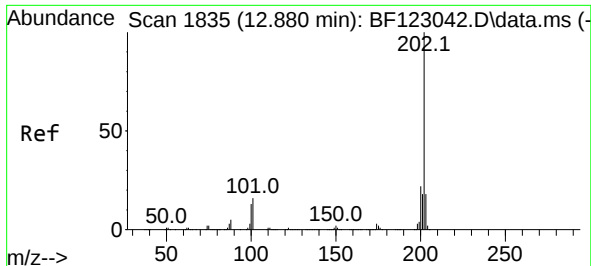
Tgt Ion:202 Resp: 501061
Ion Ratio Lower Upper
202 100
101 11.4 0.0 32.2
203 17.9 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

Tgt Ion:240 Resp: 607053
Ion Ratio Lower Upper
240 100
120 10.3 8.6 12.8
236 26.8 20.3 30.5

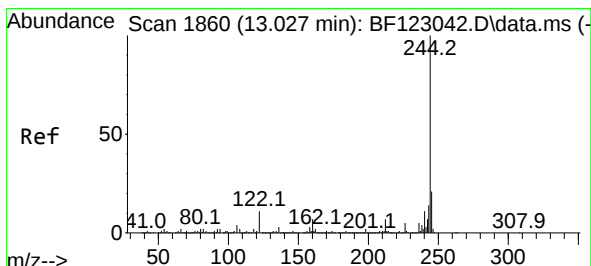
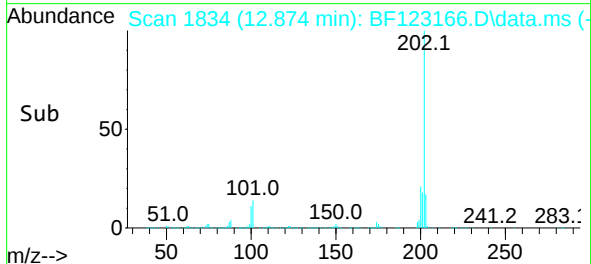
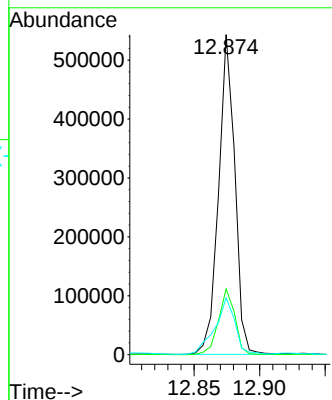
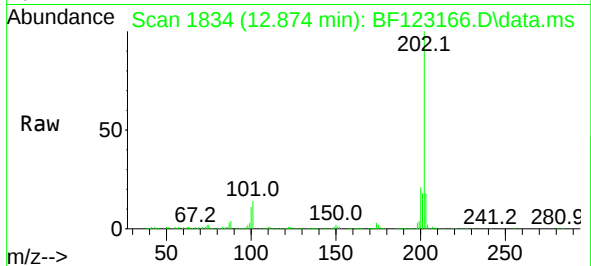




#78
Pyrene
Concen: 10.19 ng
RT: 12.874 min Scan# 1834
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

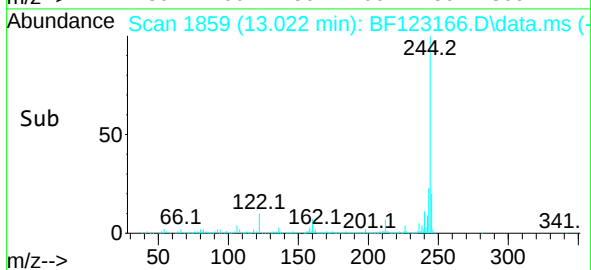
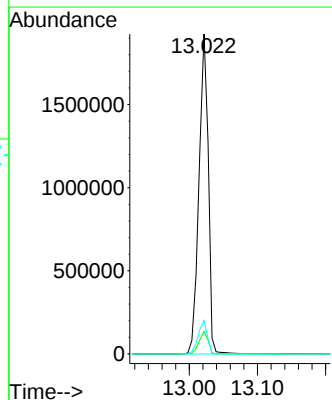
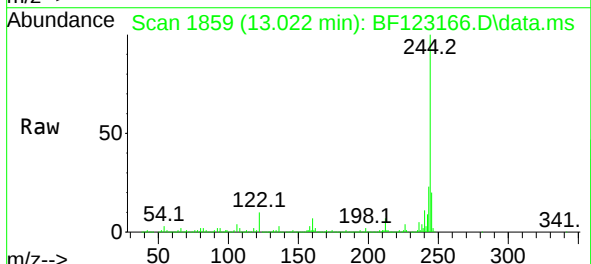
Instrument :
BNA_F
ClientSampleId :
TP-0-5

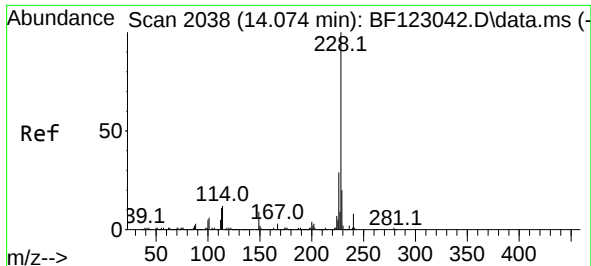
Tgt Ion:202 Resp: 467205
Ion Ratio Lower Upper
202 100
200 20.6 17.6 26.4
203 17.8 14.6 21.8



#79
Terphenyl-d14
Concen: 59.19 ng
RT: 13.022 min Scan# 1859
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

Tgt Ion:244 Resp: 1828923
Ion Ratio Lower Upper
244 100
212 7.0 5.7 8.5
122 10.5 8.3 12.5

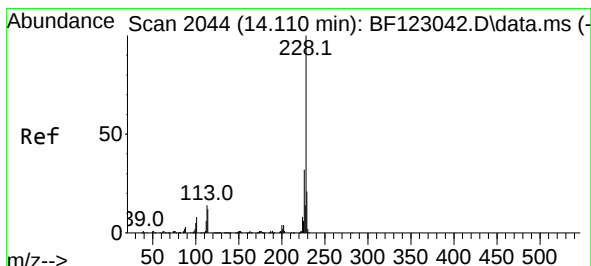
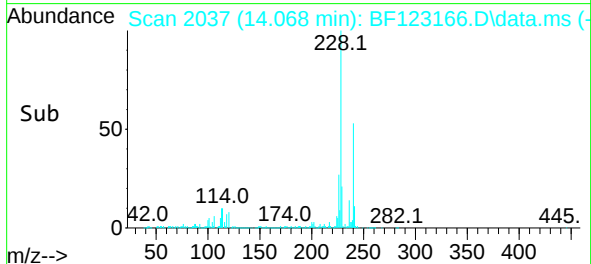
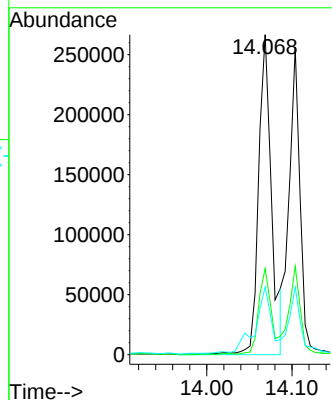
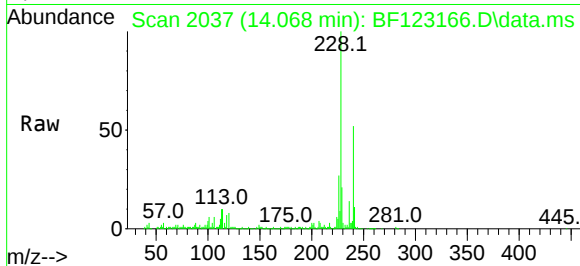




#81
Benzo(a)anthracene
Concen: 6.83 ng
RT: 14.068 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

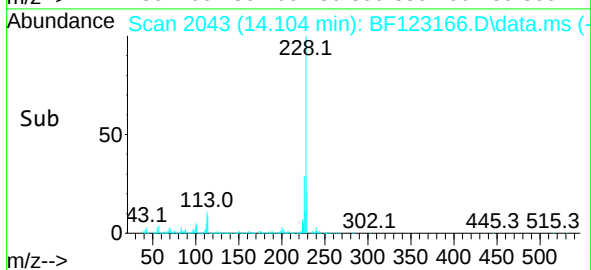
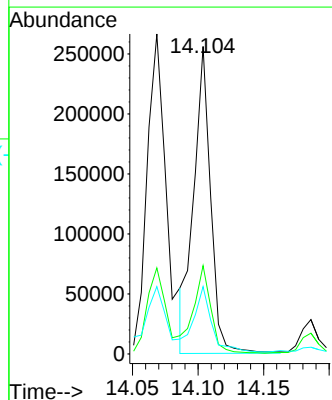
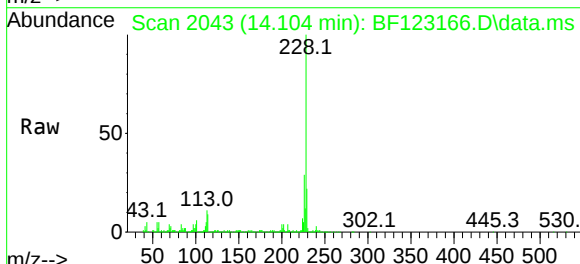
Instrument :
BNA_F
ClientSampleId :
TP-0-5

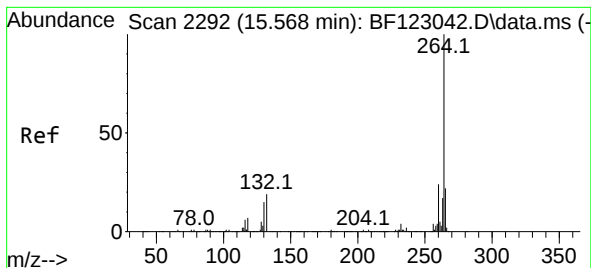
Tgt Ion:228 Resp: 280713
Ion Ratio Lower Upper
228 100
226 26.9 23.0 34.4
229 21.1 16.6 24.8



#83
Chrysene
Concen: 5.58 ng
RT: 14.104 min Scan# 2043
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

Tgt Ion:228 Resp: 229642
Ion Ratio Lower Upper
228 100
226 28.7 24.6 36.8
229 21.9 15.8 23.6

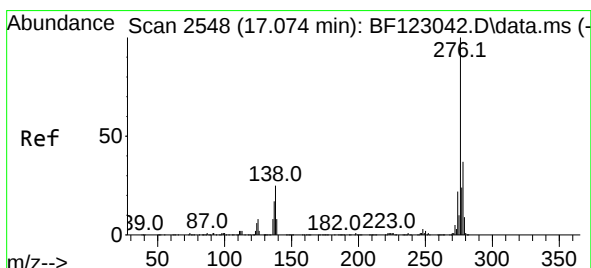
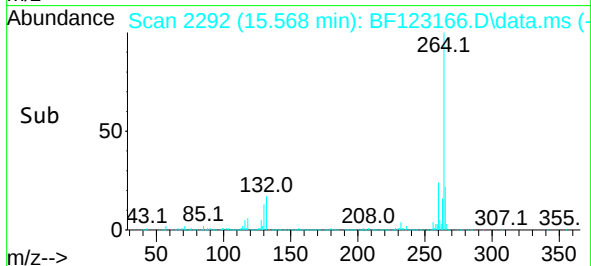
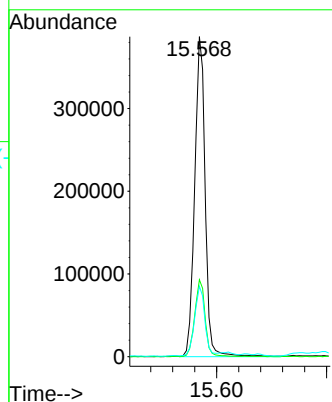
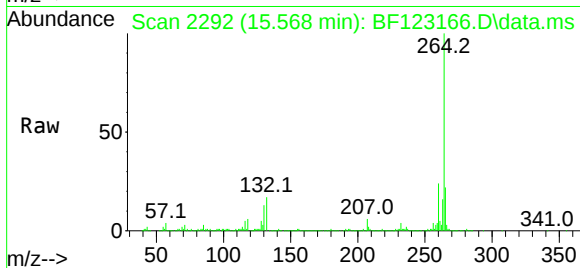




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.568 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

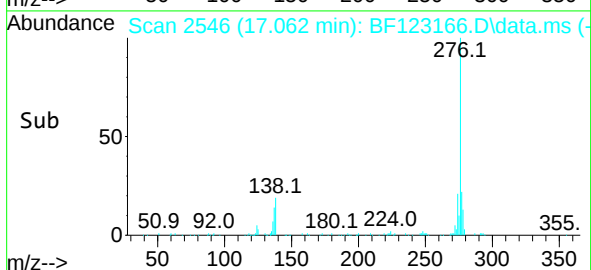
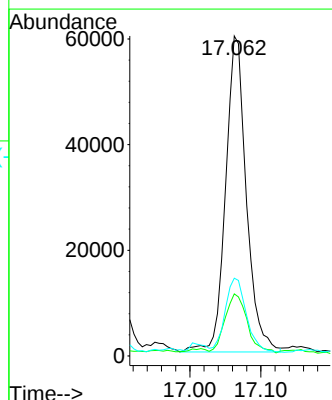
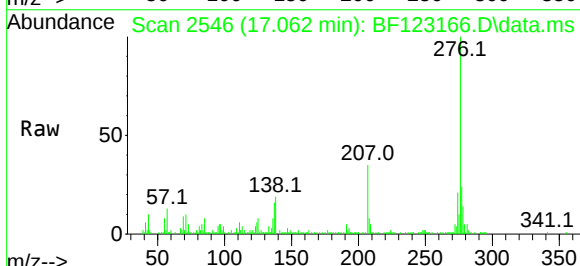
Instrument :
BNA_F
ClientSampled :
TP-0-5

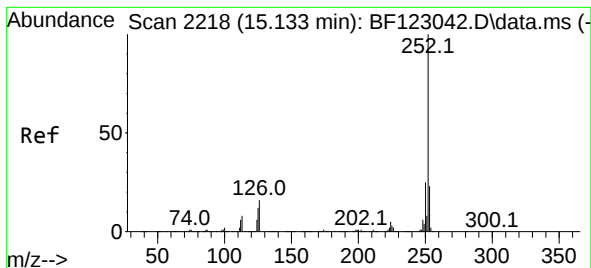
Tgt Ion:264 Resp: 512096
Ion Ratio Lower Upper
264 100
260 24.0 18.6 28.0
265 22.0 17.0 25.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.56 ng
RT: 17.062 min Scan# 2546
Delta R.T. -0.012 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

Tgt Ion:276 Resp: 121435
Ion Ratio Lower Upper
276 100
138 20.1 18.7 28.1
277 24.3 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 10.21 ng

RT: 15.133 min Scan# 2218

Delta R.T. 0.000 min

Lab File: BF123166.D

Acq: 9 Feb 2021 15:56

Tgt Ion:252 Resp: 377436

Ion Ratio Lower Upper

252 100

253 22.9 18.3 27.5

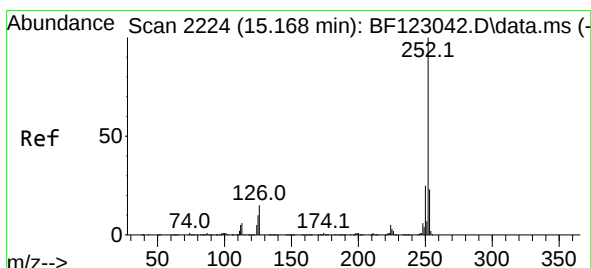
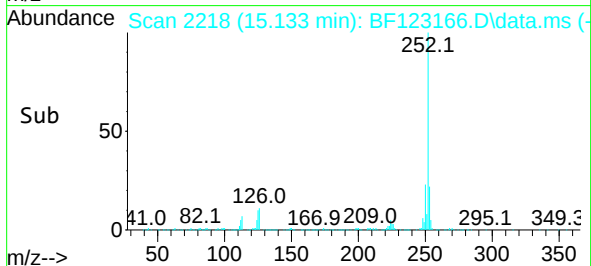
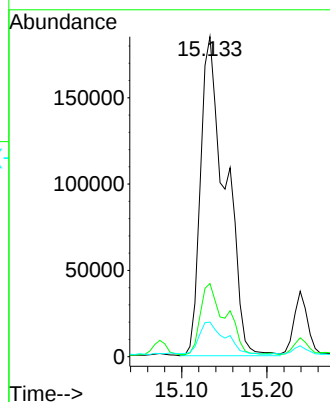
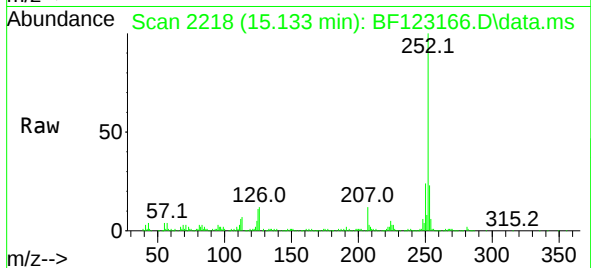
125 10.8 8.1 12.1

Instrument :

BNA_F

ClientSampled :

TP-0-5



#89

Benzo(k)fluoranthene

Concen: 10.99 ng

RT: 15.133 min Scan# 2218

Delta R.T. -0.035 min

Lab File: BF123166.D

Acq: 9 Feb 2021 15:56

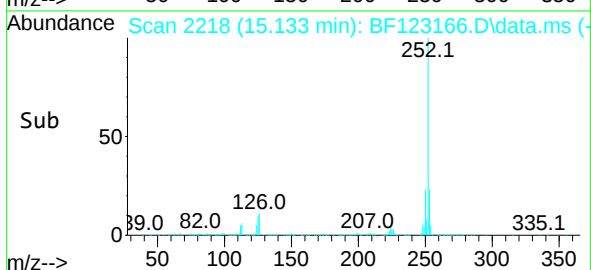
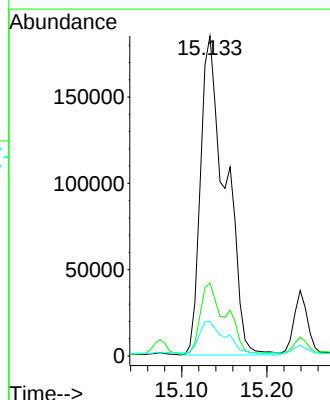
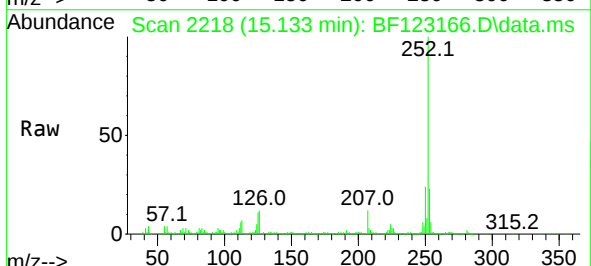
Tgt Ion:252 Resp: 377436

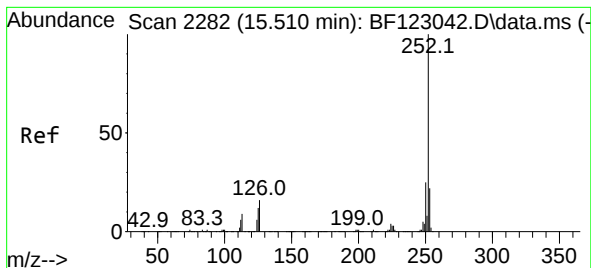
Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 10.8 8.4 12.6

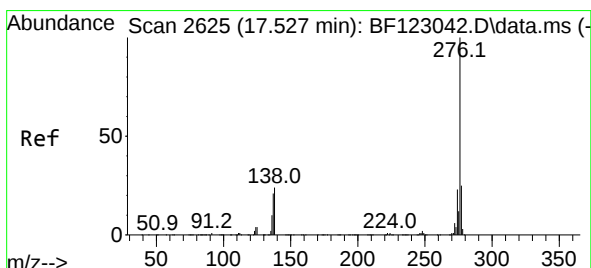
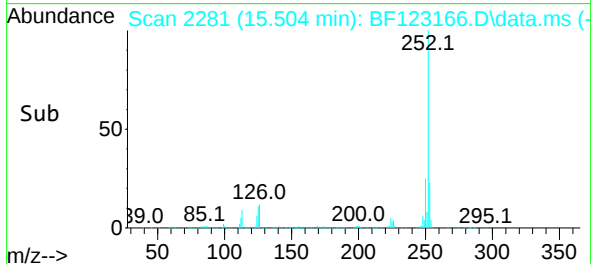
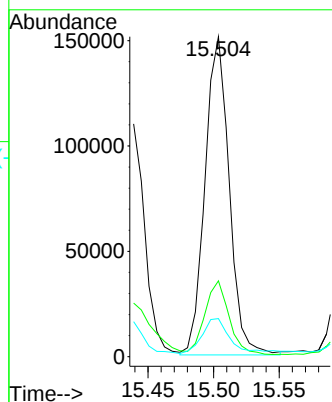
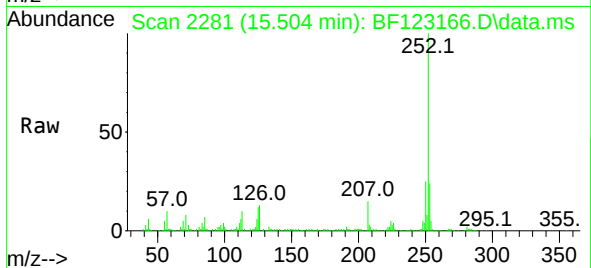




#90
Benzo(a)pyrene
Concen: 5.99 ng
RT: 15.504 min Scan# 2281
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

Instrument :
BNA_F
ClientSampled :
TP-0-5

Tgt Ion:252 Resp: 194379
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 11.9 8.6 12.8



#92
Benzo(g,h,i)perylene
Concen: 4.34 ng
RT: 17.521 min Scan# 2624
Delta R.T. -0.006 min
Lab File: BF123166.D
Acq: 9 Feb 2021 15:56

Tgt Ion:276 Resp: 117919
Ion Ratio Lower Upper
276 100
277 23.4 19.3 28.9
138 21.6 16.6 24.8

