

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021521\
 Data File : BF123208.D
 Acq On : 15 Feb 2021 16:56
 Operator : JU/CG
 Sample : M1403-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11939

Quant Time: Feb 15 23:44:25 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 12 16:59:49 2021
 Response via : Initial Calibration

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

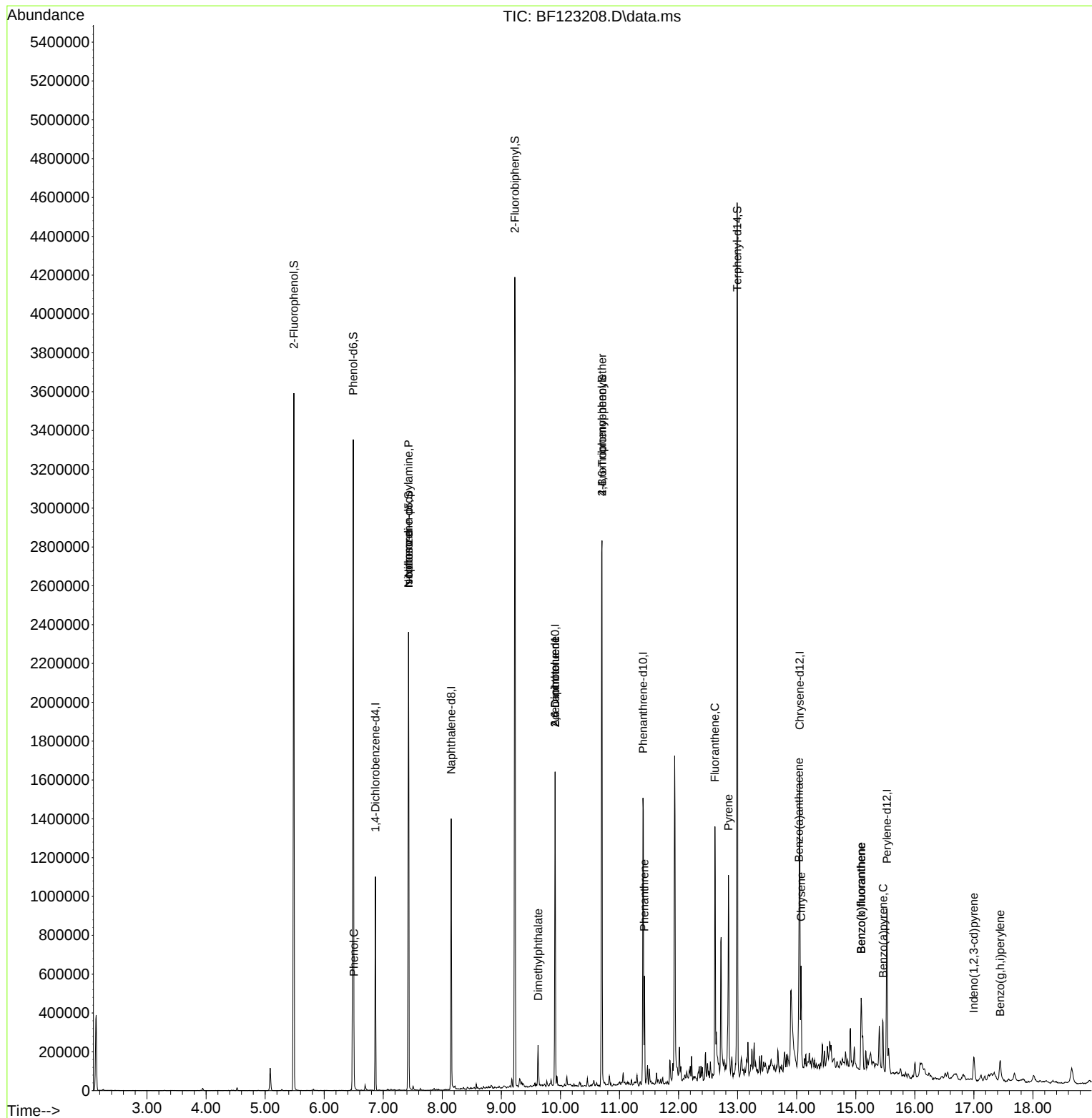
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	149453	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	593341	20.00	ng	0.00
39) Acenaphthene-d10	9.910	164	295875	20.00	ng	0.00
64) Phenanthrene-d10	11.398	188	559160	20.00	ng	0.00
76) Chrysene-d12	14.051	240	435883	20.00	ng	0.00
86) Perylene-d12	15.527	264	351507	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	994302	100.84	ng	0.00
7) Phenol-d6	6.492	99	1238461	95.11	ng	0.00
23) Nitrobenzene-d5	7.428	82	790868	70.04	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	351439	109.99	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1368304	69.11	ng	0.00
79) Terphenyl-d14	12.992	244	1419528	65.27	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.504	94	59711	4.18	ng	89
19) n-Nitroso-di-n-propyla...	7.428	70	107403	14.39	ng	# 78
25) Isophorone	7.428	82	790859	37.71	ng	# 65
50) Dimethylphthalate	9.622	163	67821	3.16	ng	99
51) 2,6-Dinitrotoluene	9.910	165	37345	7.24	ng	# 32
57) 2,4-Dinitrotoluene	9.910	165	37345	5.36	ng	# 26
67) 4-Bromophenyl-phenylether	10.704	248	23604	3.97	ng	# 1
71) Phenanthrene	11.422	178	183296	5.56	ng	98
75) Fluoranthene	12.616	202	456380	13.79	ng	98
78) Pyrene	12.845	202	396540	12.30	ng	99
81) Benzo(a)anthracene	14.039	228	174190	5.93	ng	99
83) Chrysene	14.074	228	182807	6.32	ng	97
87) Indeno(1,2,3-cd)pyrene	16.998	276	80421	3.33	ng	99
88) Benzo(b)fluoranthene	15.092	252	267876	10.85	ng	98
89) Benzo(k)fluoranthene	15.092	252	267876	11.80	ng	98
90) Benzo(a)pyrene	15.462	252	122526	5.55	ng	100
92) Benzo(g,h,i)perylene	17.445	276	75801	3.80	ng	# 93

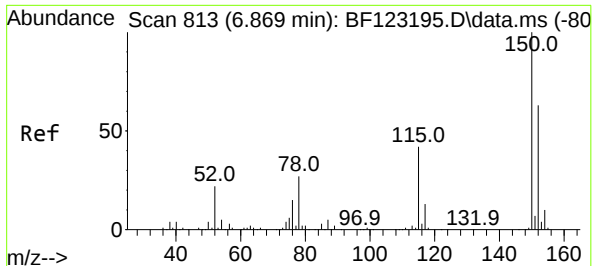
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF021221.M
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QLast Update : Fri Feb 12 16:59:49 2021
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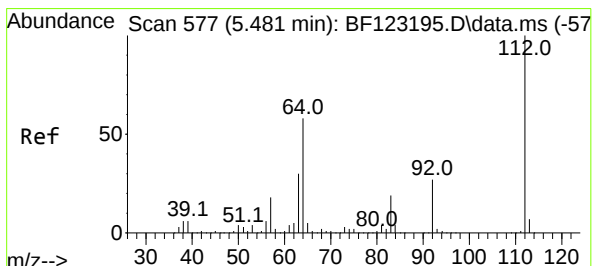
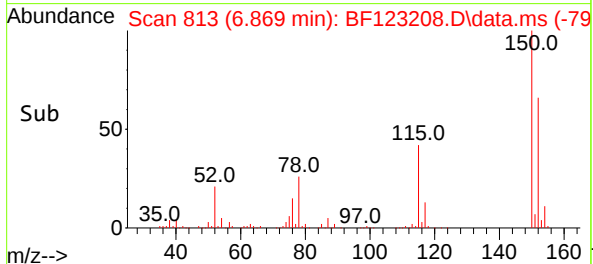
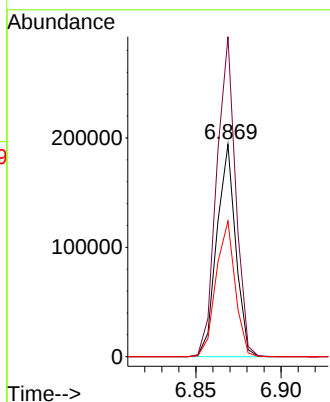
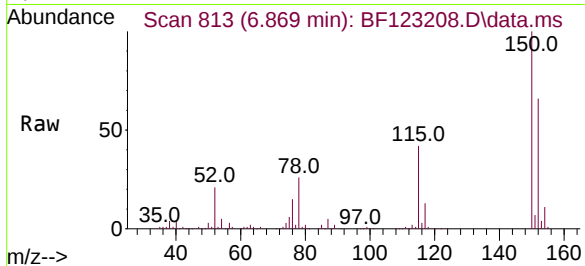




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.000 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

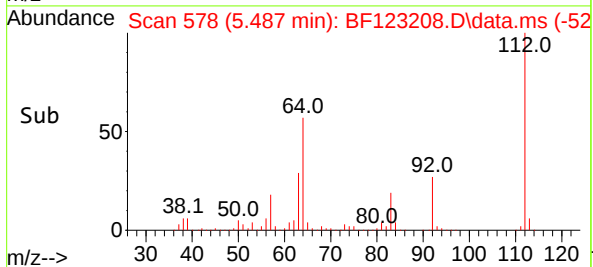
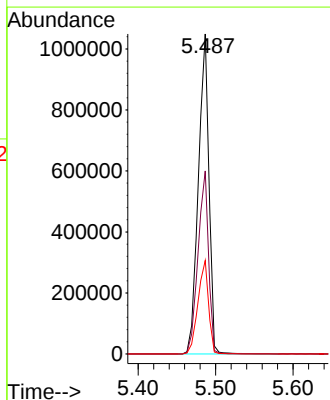
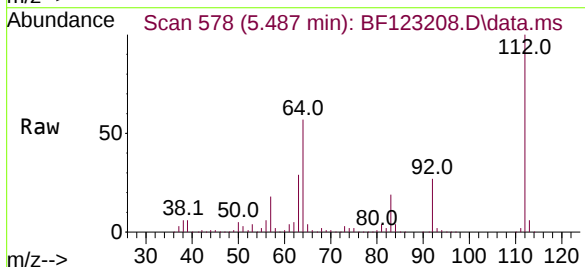
Instrument :
BNA_F
ClientSampleId :
72-11939

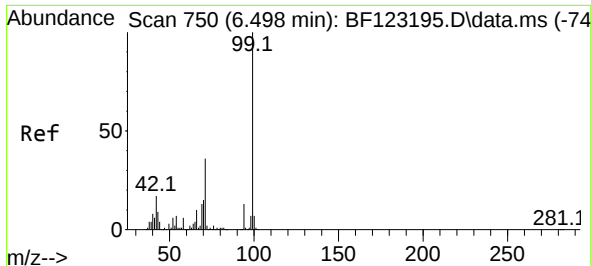
Tgt Ion:152 Resp: 149453
Ion Ratio Lower Upper
152 100
150 150.7 125.8 188.6
115 63.8 49.3 73.9



#5
2-Fluorophenol
Concen: 100.84 ng
RT: 5.487 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

Tgt Ion:112 Resp: 994302
Ion Ratio Lower Upper
112 100
64 57.2 46.9 70.3
63 29.2 24.5 36.7

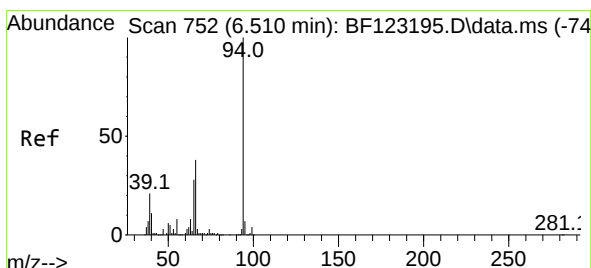
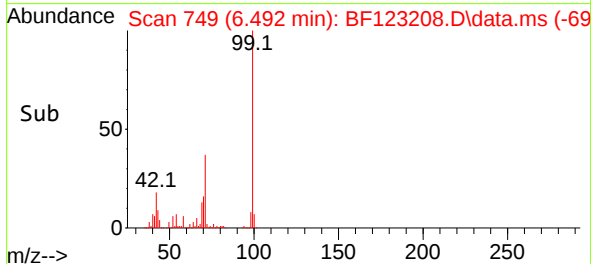
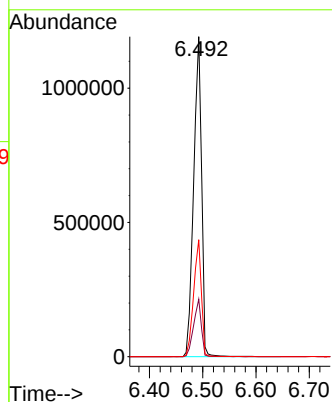
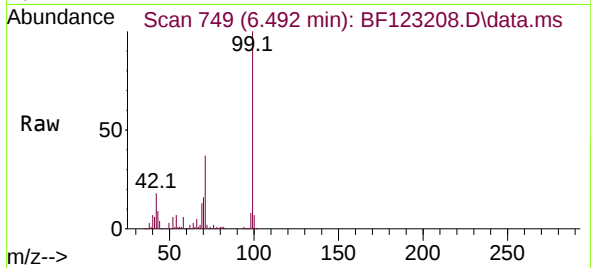




#7
Phenol-d6
Concen: 95.11 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

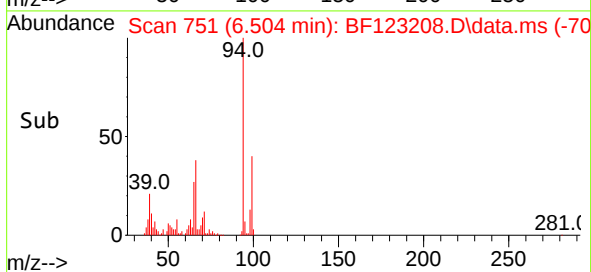
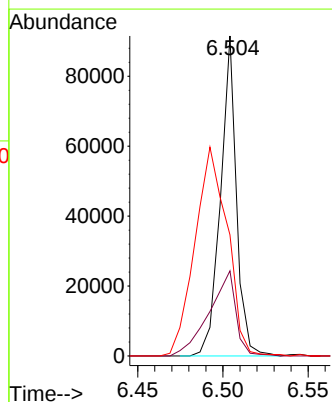
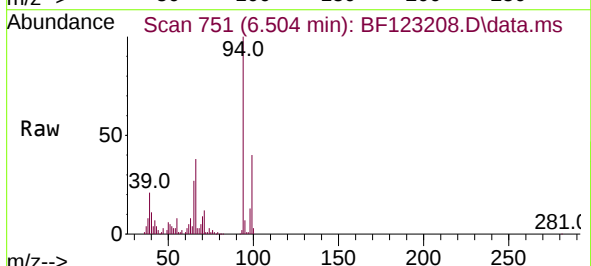
Instrument :
BNA_F
ClientSampleId :
72-11939

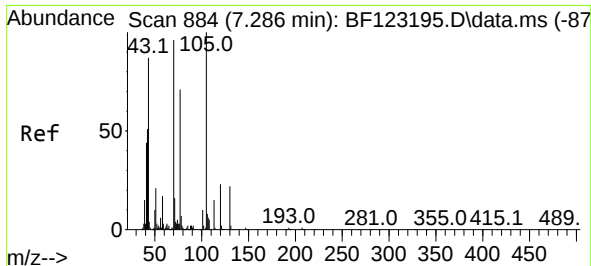
Tgt Ion: 99 Resp: 1238461
Ion Ratio Lower Upper
99 100
42 17.9 13.8 20.6
71 36.6 26.9 40.3



#10
Phenol
Concen: 4.18 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

Tgt Ion: 94 Resp: 59711
Ion Ratio Lower Upper
94 100
65 26.6 11.2 51.2
66 37.9 25.8 65.8



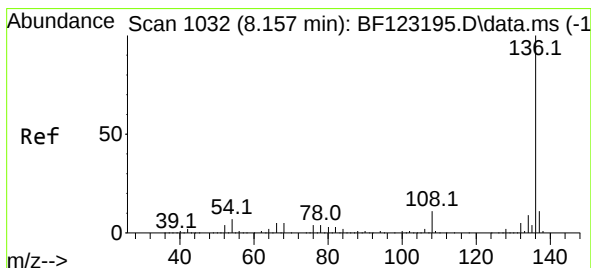
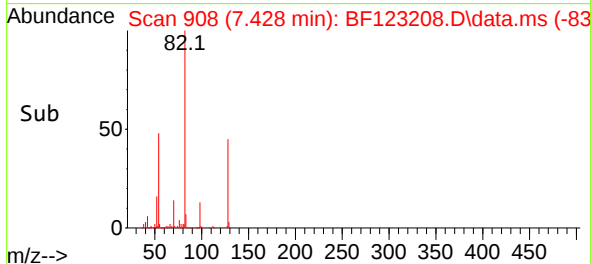
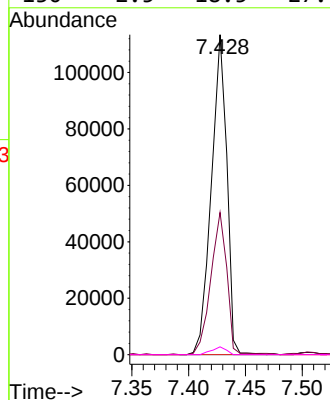
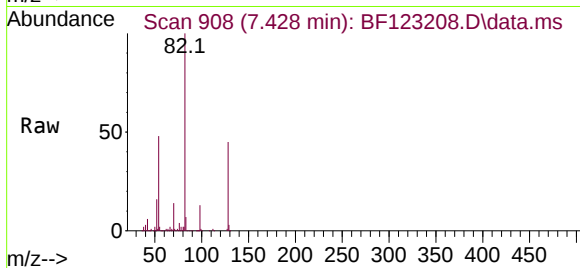


#19

n-Nitroso-di-n-propylamine
Concen: 14.39 ng
RT: 7.428 min Scan# 908
Delta R.T. 0.141 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

Instrument :
BNA_F
ClientSampleId :
72-11939

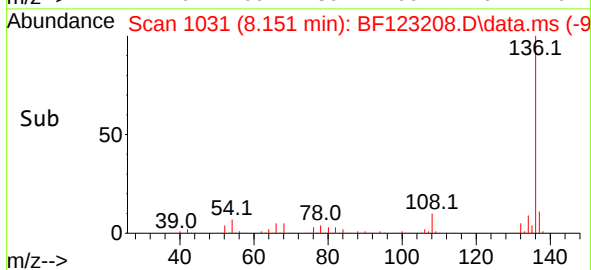
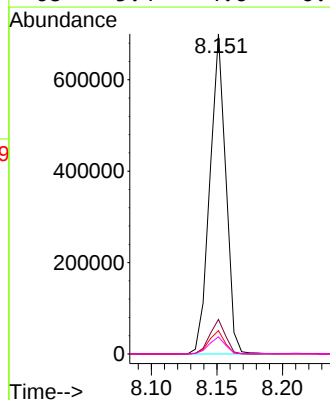
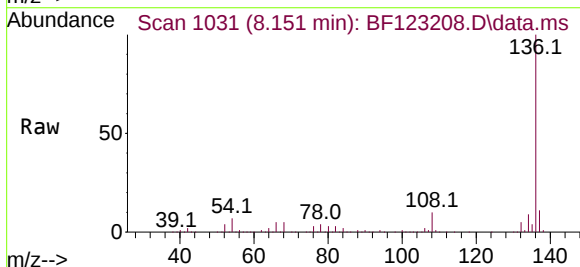
Tgt Ion: 70 Resp: 107403
Ion Ratio Lower Upper
70 100
42 44.5 43.0 64.4
101 0.0 7.9 11.9#
130 2.5 18.5 27.7#

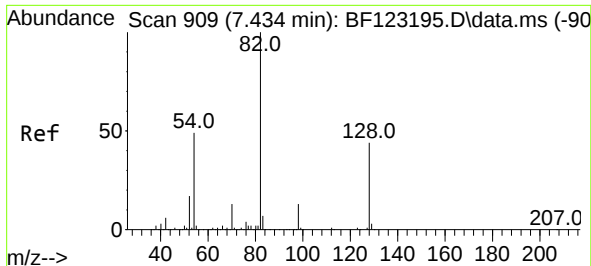


#21

Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

Tgt Ion: 136 Resp: 593341
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.3 5.5 8.3
68 5.4 4.6 6.8

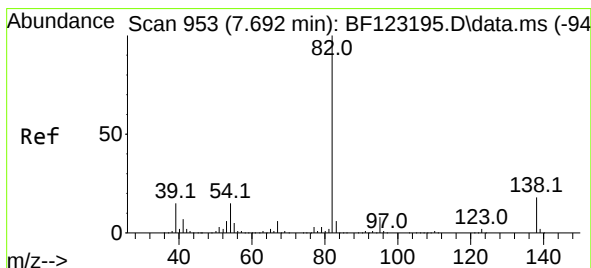
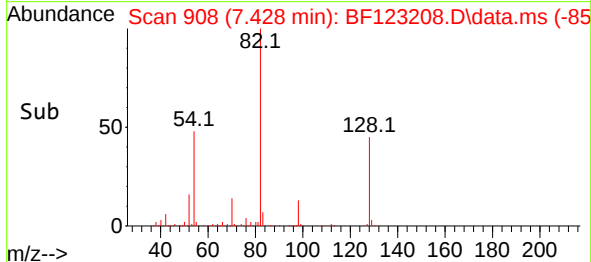
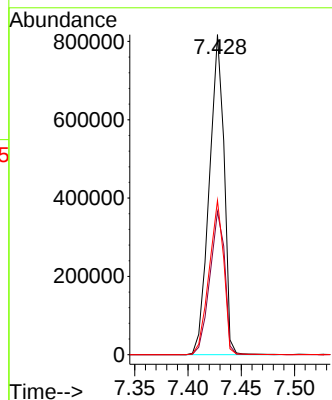
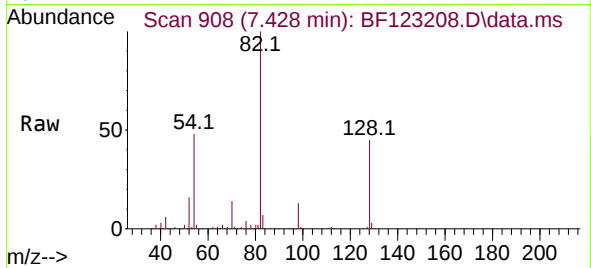




#23
Nitrobenzene-d5
Concen: 70.04 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.006 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

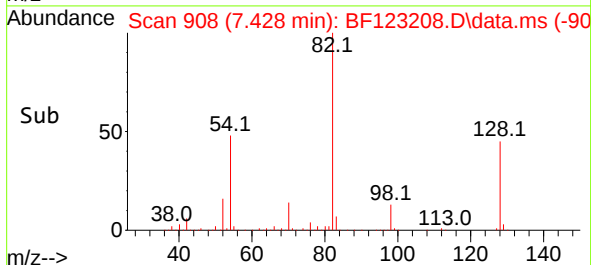
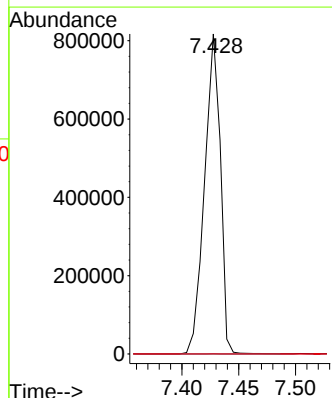
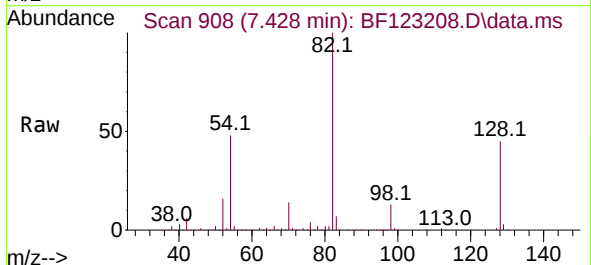
Instrument :
BNA_F
ClientSampleId :
72-11939

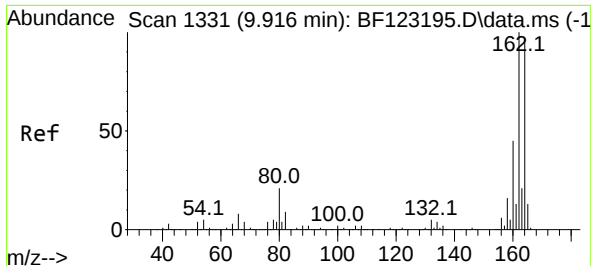
Tgt Ion: 82 Resp: 790868
Ion Ratio Lower Upper
82 100
128 44.7 37.0 55.4
54 48.2 38.4 57.6



#25
Isophorone
Concen: 37.71 ng
RT: 7.428 min Scan# 908
Delta R.T. -0.265 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

Tgt Ion: 82 Resp: 790859
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#

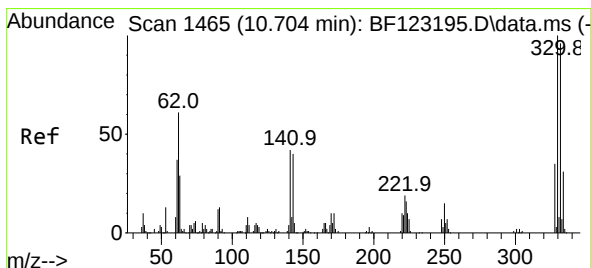
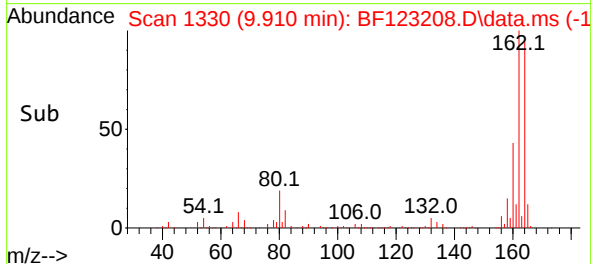
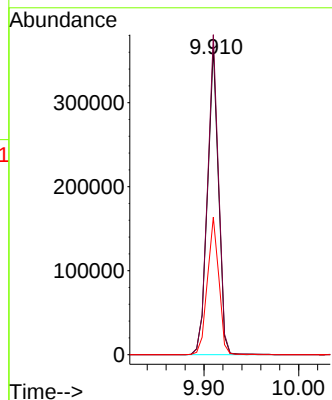
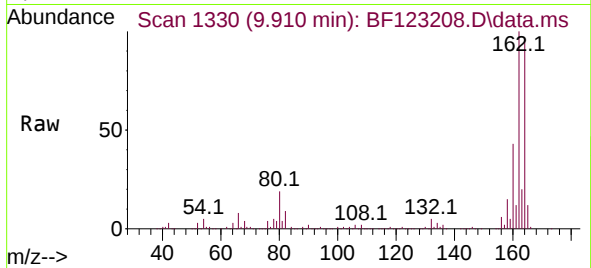




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

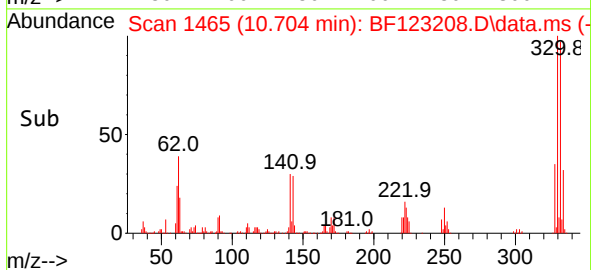
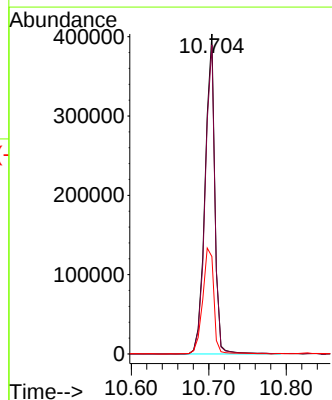
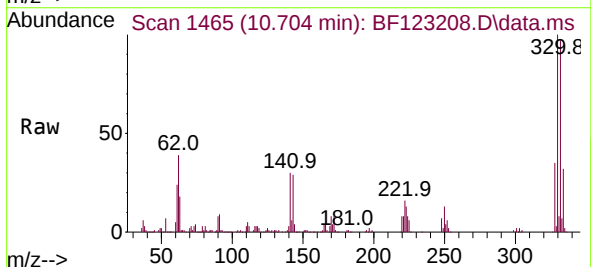
Instrument :
BNA_F
ClientSampled :
72-11939

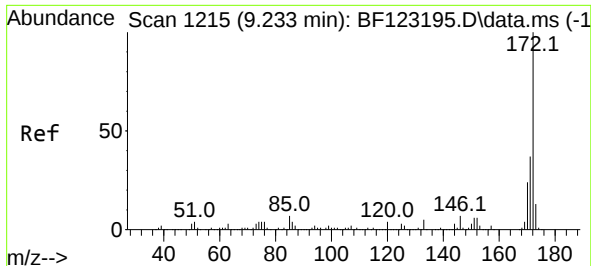
Tgt Ion:164 Resp: 295875
Ion Ratio Lower Upper
164 100
162 104.0 80.8 121.2
160 44.7 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 109.99 ng
RT: 10.704 min Scan# 1465
Delta R.T. 0.000 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

Tgt Ion:330 Resp: 351439
Ion Ratio Lower Upper
330 100
332 97.0 77.5 116.3
141 38.2 23.8 35.8#

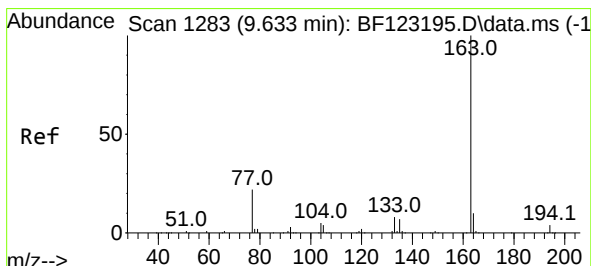
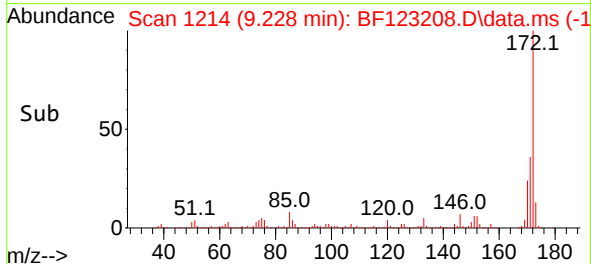
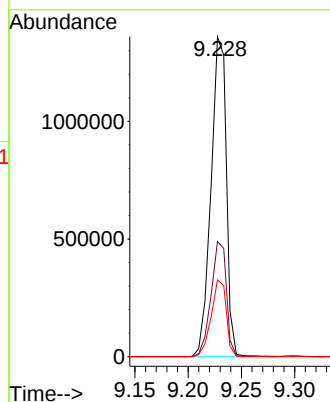
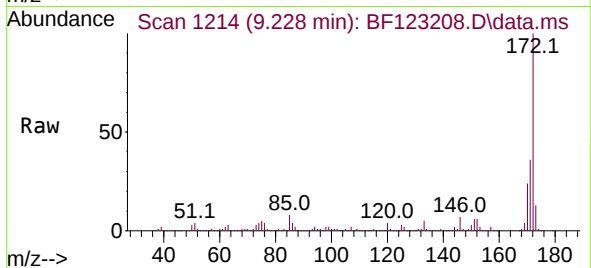




#45
2-Fluorobiphenyl
Concen: 69.11 ng
RT: 9.228 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

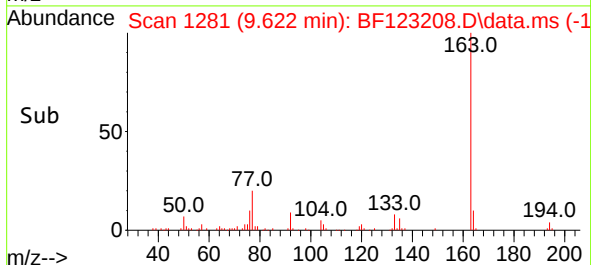
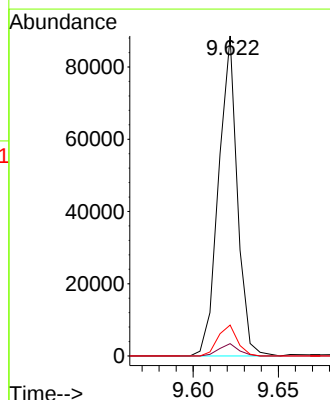
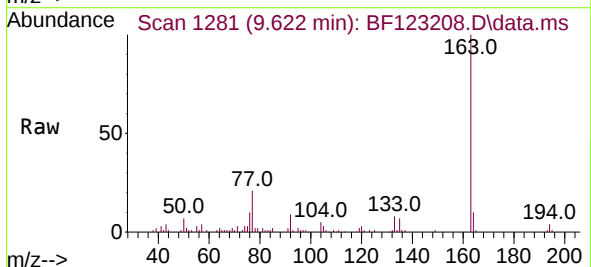
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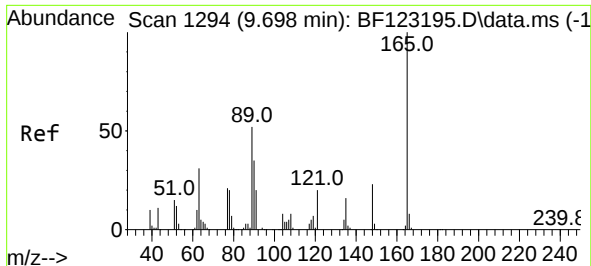
Tgt Ion:172 Resp: 1368304
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 24.0 19.5 29.3



#50
Dimethylphthalate
Concen: 3.16 ng
RT: 9.622 min Scan# 1281
Delta R.T. -0.012 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

Tgt Ion:163 Resp: 67821
Ion Ratio Lower Upper
163 100
194 3.8 3.4 5.0
164 9.6 8.1 12.1

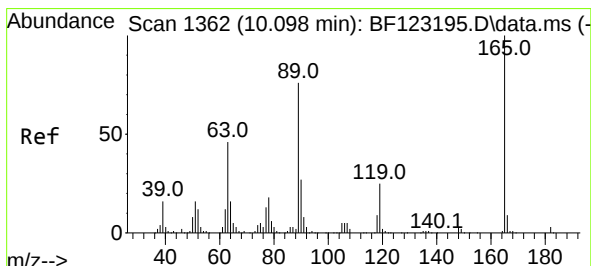
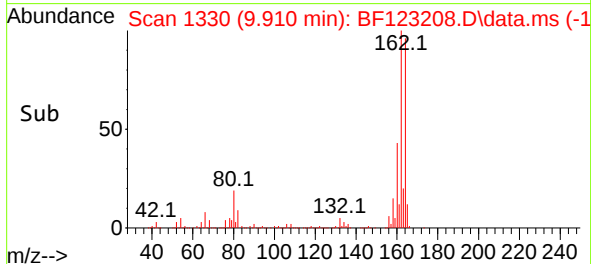
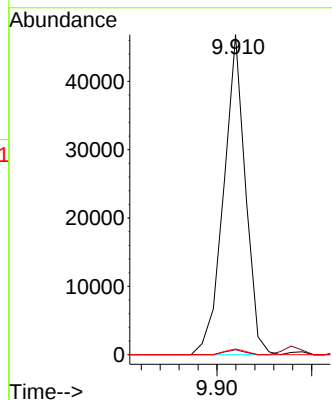
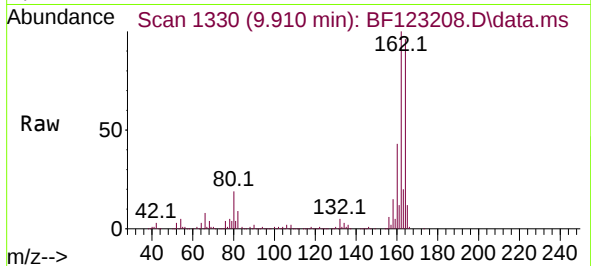




#51
2,6-Dinitrotoluene
Concen: 7.24 ng
RT: 9.910 min Scan# 1330
Delta R.T. 0.212 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

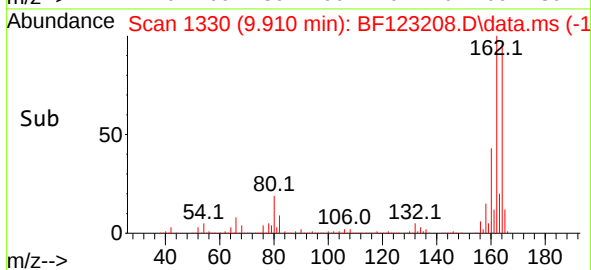
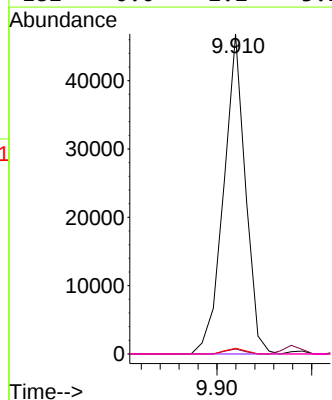
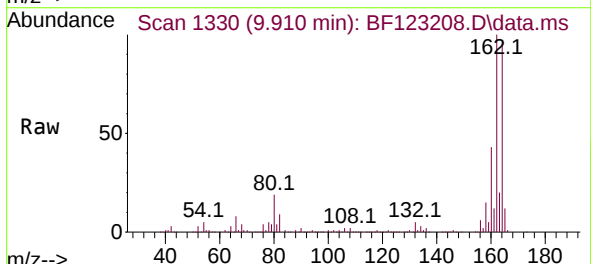
Instrument :
BNA_F
ClientSampled :
72-11939

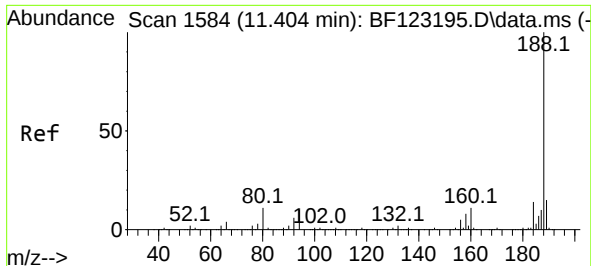
Tgt Ion:165 Resp: 37345
Ion Ratio Lower Upper
165 100
63 1.6 36.6 55.0#
89 1.8 39.4 59.0#



#57
2,4-Dinitrotoluene
Concen: 5.36 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.188 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

Tgt Ion:165 Resp: 37345
Ion Ratio Lower Upper
165 100
63 1.6 34.3 51.5#
89 1.8 55.2 82.8#
182 0.0 2.2 3.2#

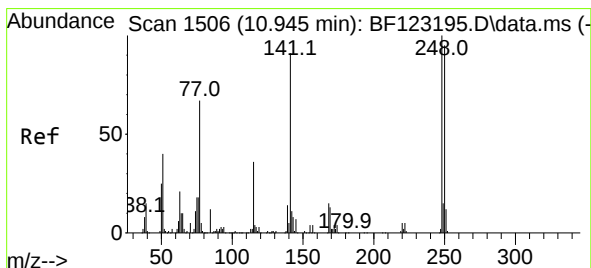
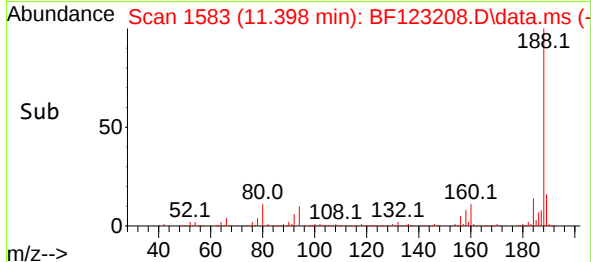
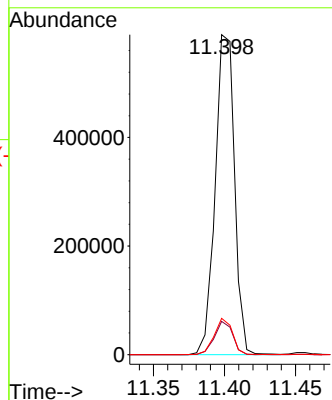
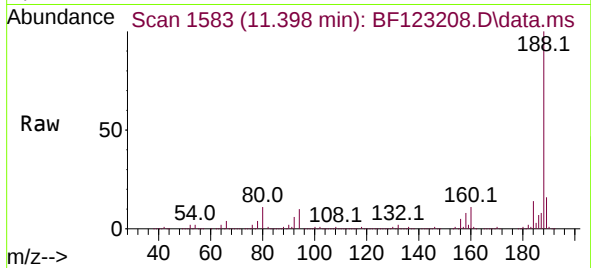




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

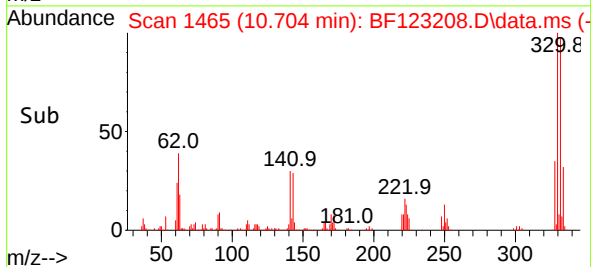
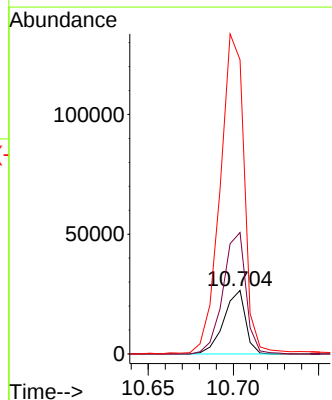
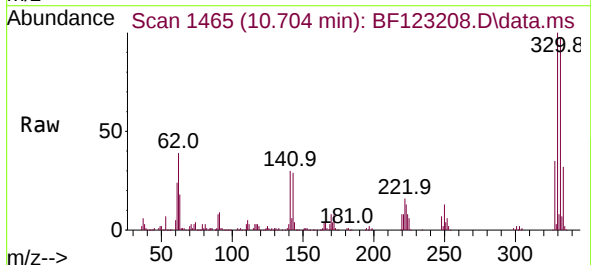
Instrument :
BNA_F
ClientSampleId :
72-11939

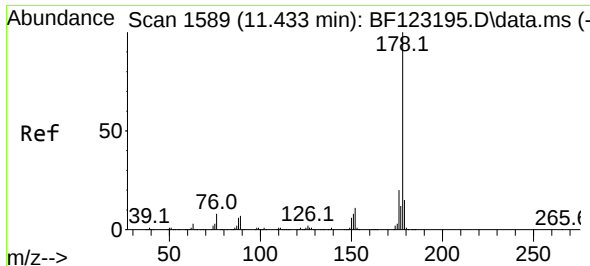
Tgt Ion:188 Resp: 559160
Ion Ratio Lower Upper
188 100
94 10.4 7.4 11.2
80 11.3 8.2 12.4



#67
4-Bromophenyl-phenylether
Concen: 3.97 ng
RT: 10.704 min Scan# 1465
Delta R.T. -0.241 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

Tgt Ion:248 Resp: 23604
Ion Ratio Lower Upper
248 100
250 191.3 76.8 115.2#
141 463.4 59.8 89.8#

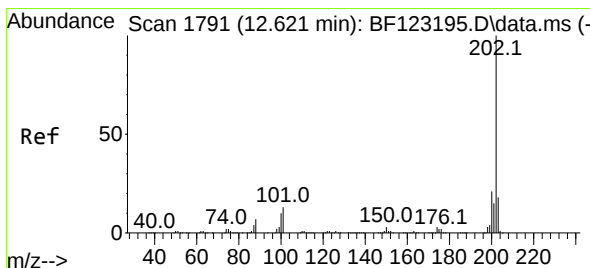
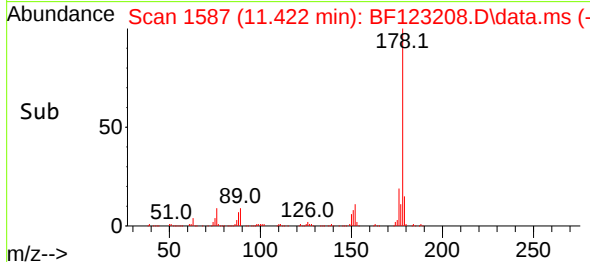
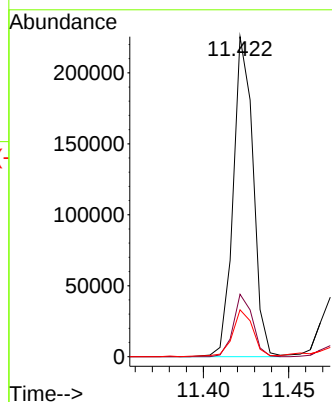
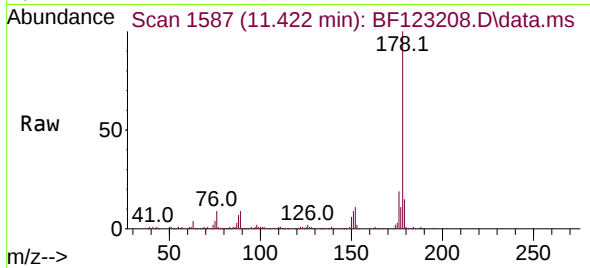




#71
Phenanthrene
Concen: 5.56 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.012 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

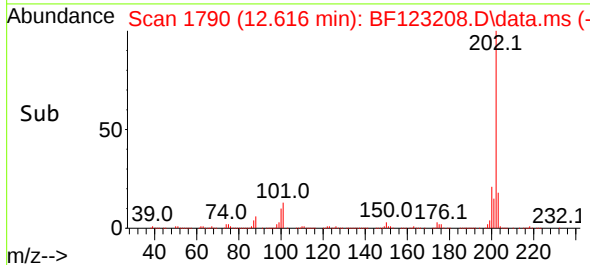
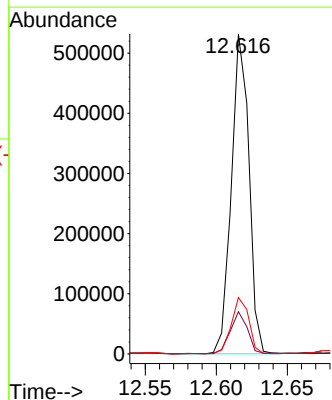
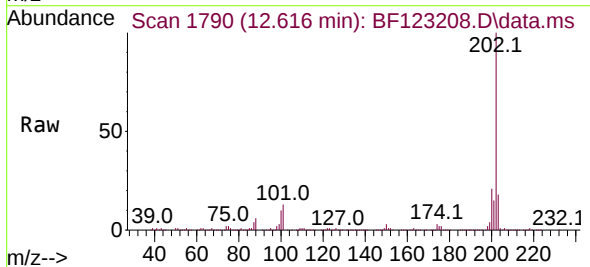
Instrument :
BNA_F
ClientSampleId :
72-11939

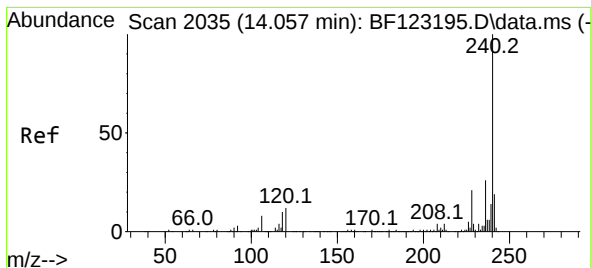
Tgt Ion:178 Resp: 183296
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.2
179 14.7 12.7 19.1



#75
Fluoranthene
Concen: 13.79 ng
RT: 12.616 min Scan# 1790
Delta R.T. -0.006 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

Tgt Ion:202 Resp: 456380
Ion Ratio Lower Upper
202 100
101 13.2 0.0 32.2
203 17.7 0.0 38.1

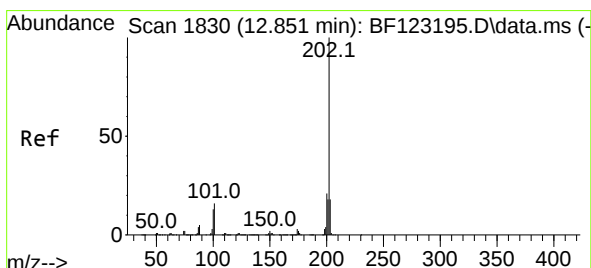
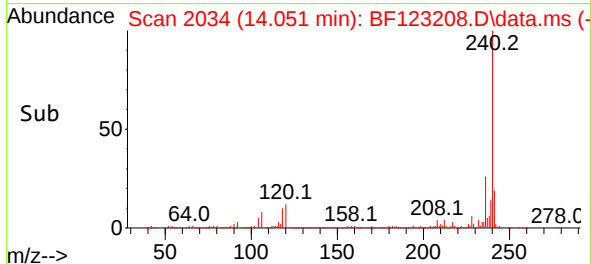
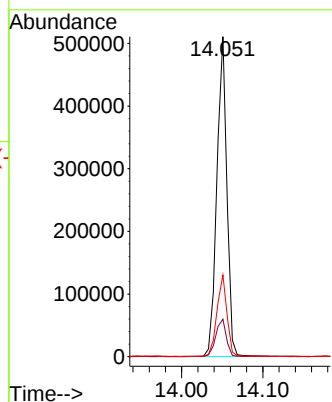
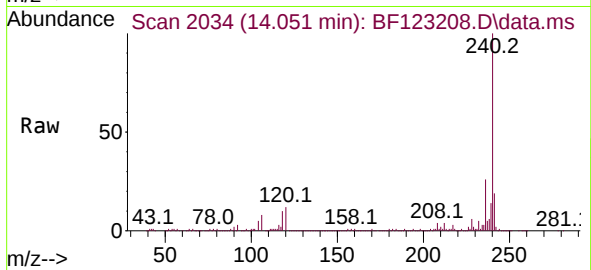




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

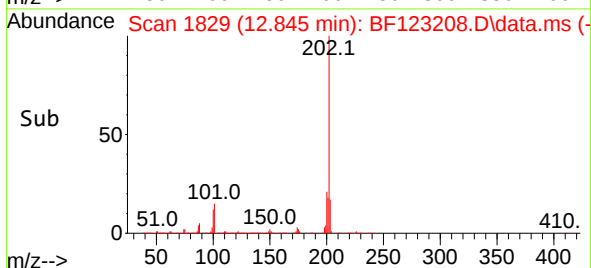
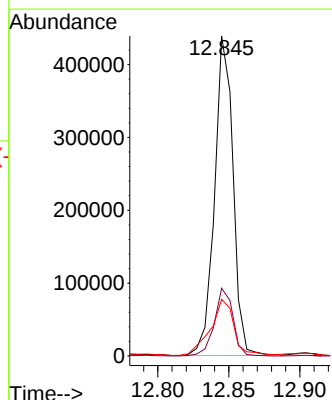
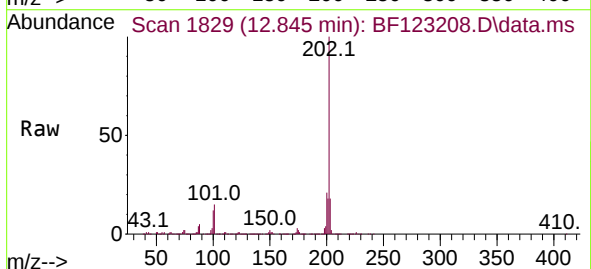
Instrument :
BNA_F
ClientSampleId :
72-11939

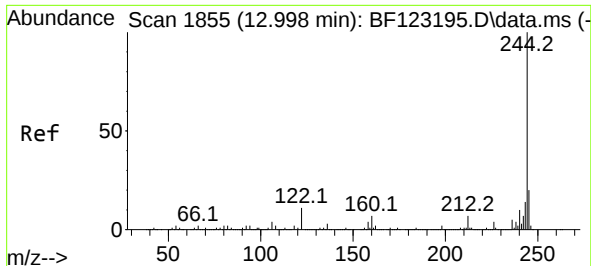
Tgt Ion:240 Resp: 435883
Ion Ratio Lower Upper
240 100
120 11.7 8.6 12.8
236 25.6 20.3 30.5



#78
Pyrene
Concen: 12.30 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

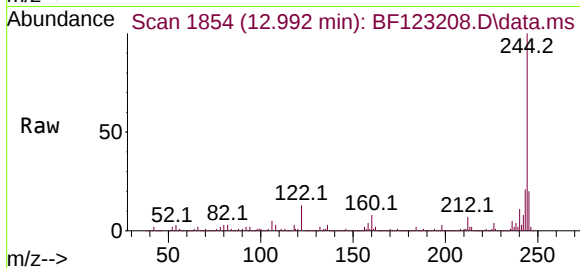
Tgt Ion:202 Resp: 396540
Ion Ratio Lower Upper
202 100
200 21.1 17.6 26.4
203 17.7 14.6 21.8



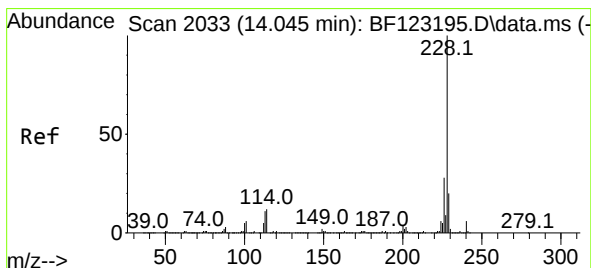
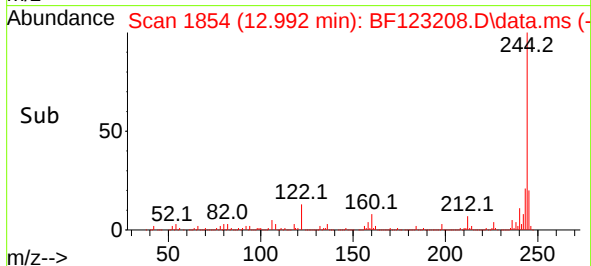
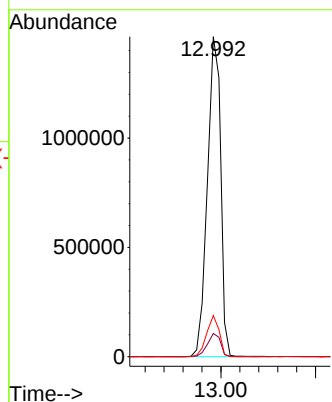


#79
Terphenyl-d14
Concen: 65.27 ng
RT: 12.992 min Scan# 1854
Delta R.T. -0.006 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

Instrument :
BNA_F
ClientSampled :
72-11939

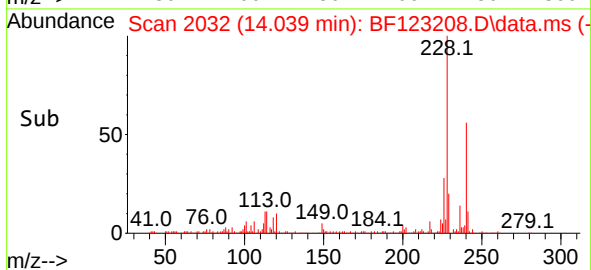
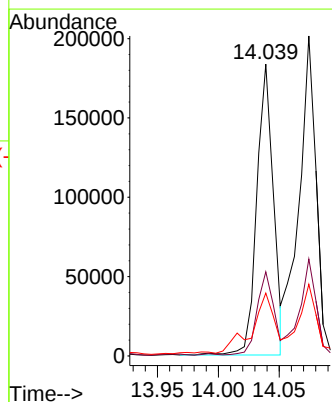
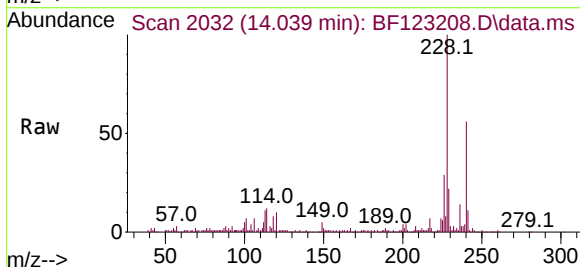


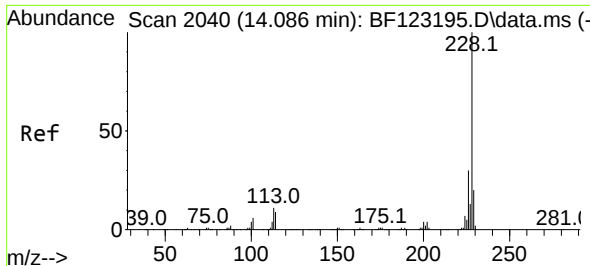
Tgt Ion:244 Resp: 1419528
Ion Ratio Lower Upper
244 100
212 7.3 5.7 8.5
122 12.9 8.3 12.5#



#81
Benzo(a)anthracene
Concen: 5.93 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.006 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

Tgt Ion:228 Resp: 174190
Ion Ratio Lower Upper
228 100
226 28.9 23.0 34.4
229 21.6 16.6 24.8

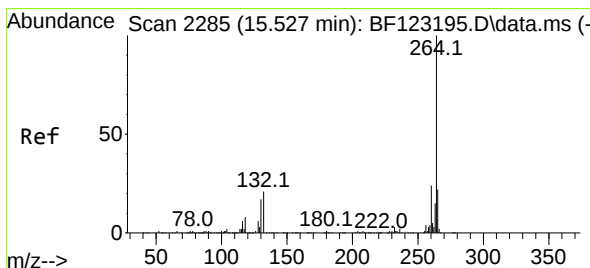
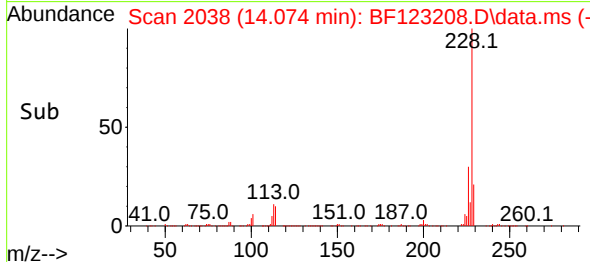
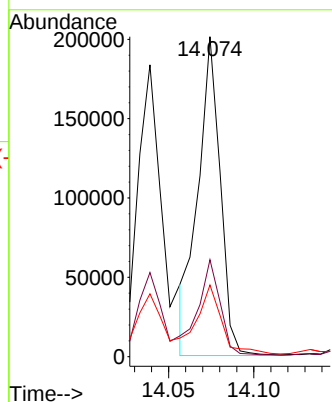
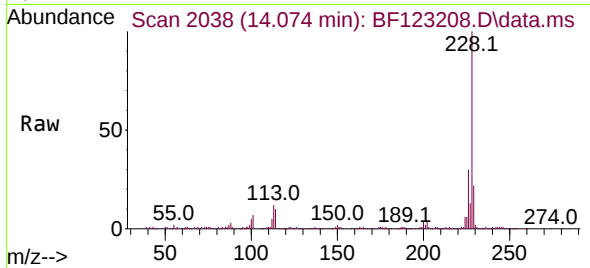




#83
Chrysene
Concen: 6.32 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.012 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

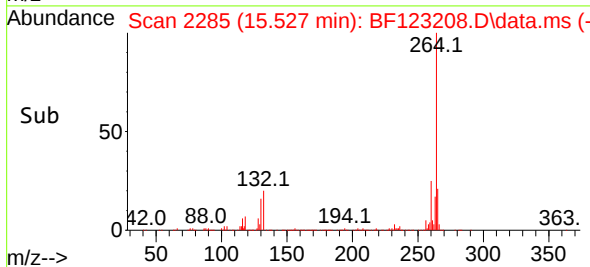
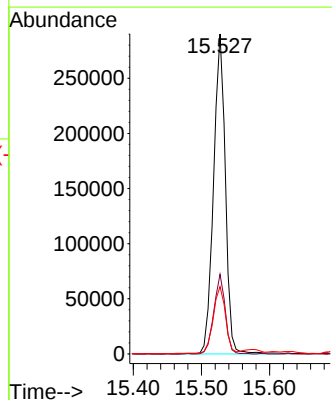
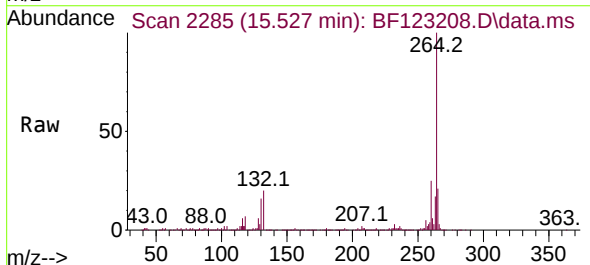
Instrument :
BNA_F
ClientSampleId :
72-11939

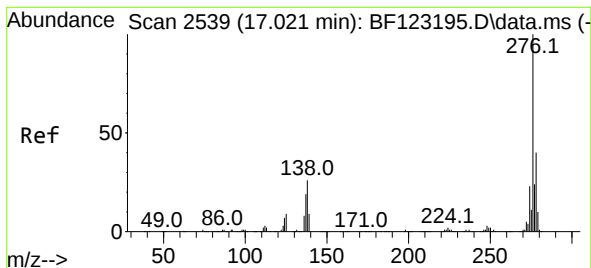
Tgt Ion:228 Resp: 182807
Ion Ratio Lower Upper
228 100
226 30.3 24.6 36.8
229 22.4 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.527 min Scan# 2285
Delta R.T. 0.000 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

Tgt Ion:264 Resp: 351507
Ion Ratio Lower Upper
264 100
260 24.9 18.6 28.0
265 21.0 17.0 25.6

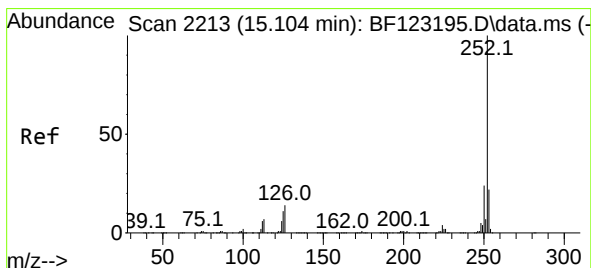
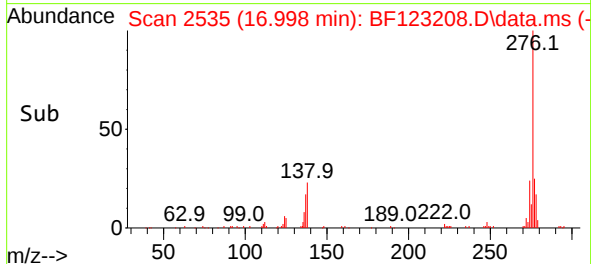
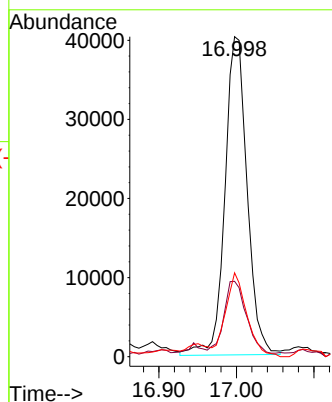
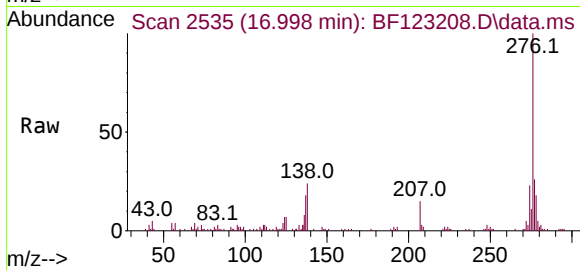




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.33 ng
RT: 16.998 min Scan# 2535
Delta R.T. -0.024 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

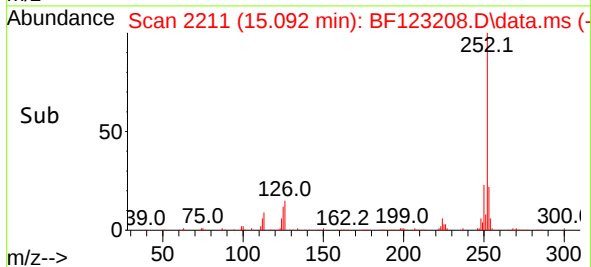
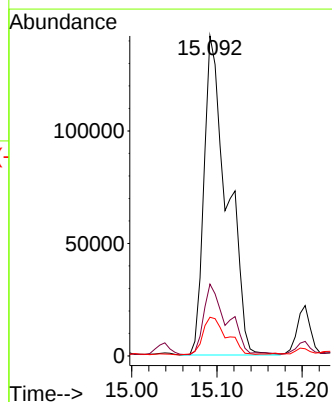
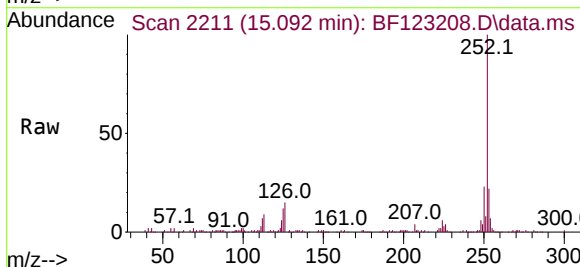
Instrument :
BNA_F
ClientSampleId :
72-11939

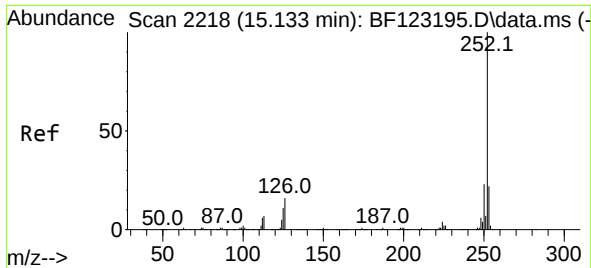
Tgt Ion:276 Resp: 80421
Ion Ratio Lower Upper
276 100
138 24.1 18.7 28.1
277 25.0 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 10.85 ng
RT: 15.092 min Scan# 2211
Delta R.T. -0.012 min
Lab File: BF123208.D
Acq: 15 Feb 2021 16:56

Tgt Ion:252 Resp: 267876
Ion Ratio Lower Upper
252 100
253 22.4 18.3 27.5
125 12.1 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 11.80 ng

RT: 15.092 min Scan# 2211

Delta R.T. -0.041 min

Lab File: BF123208.D

Acq: 15 Feb 2021 16:56

Instrument :

BNA_F

ClientSampleId :

72-11939

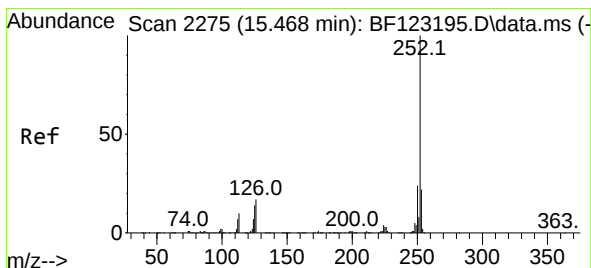
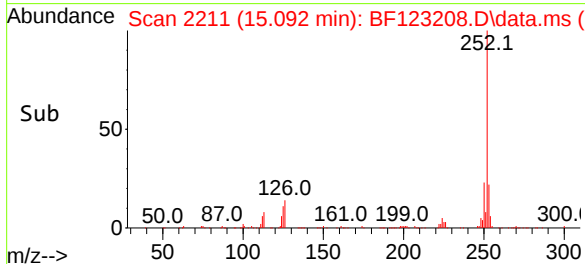
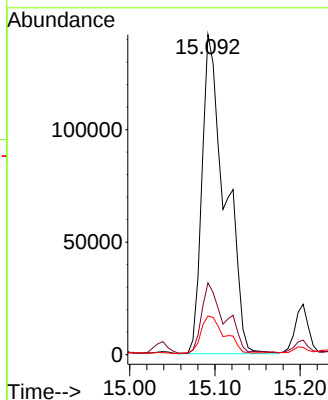
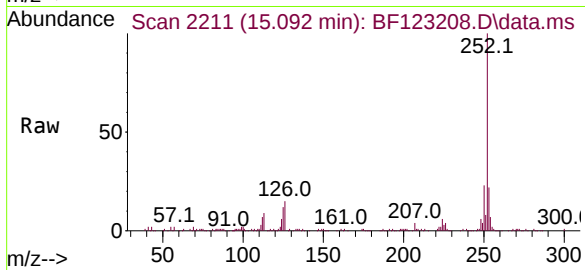
Tgt Ion:252 Resp: 267876

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

125 12.1 8.4 12.6



#90

Benzo(a)pyrene

Concen: 5.55 ng

RT: 15.462 min Scan# 2274

Delta R.T. -0.006 min

Lab File: BF123208.D

Acq: 15 Feb 2021 16:56

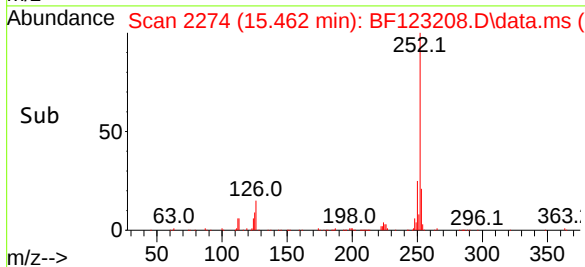
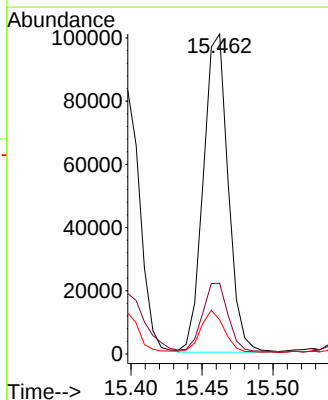
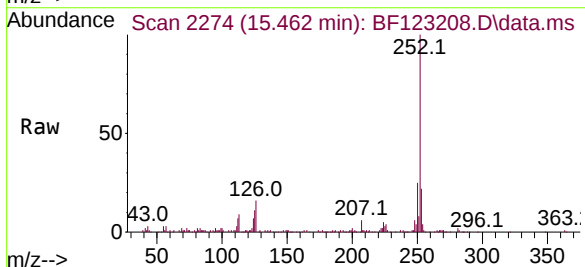
Tgt Ion:252 Resp: 122526

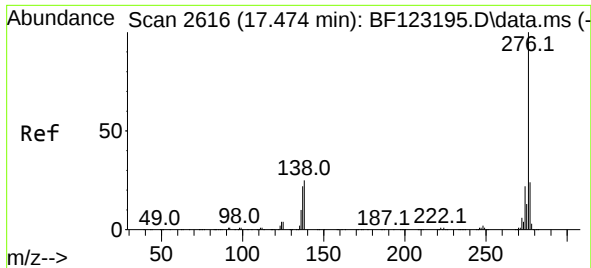
Ion Ratio Lower Upper

252 100

253 22.1 17.5 26.3

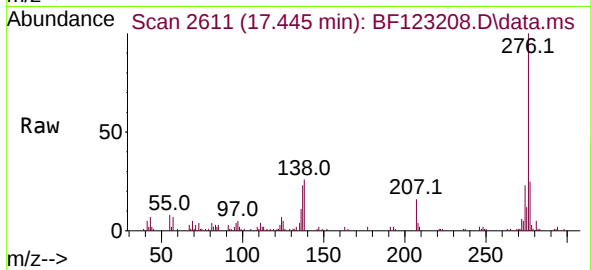
125 10.7 8.6 12.8





#92
 Benzo(g,h,i)perylene
 Concen: 3.80 ng
 RT: 17.445 min Scan# 2611
 Delta R.T. -0.029 min
 Lab File: BF123208.D
 Acq: 15 Feb 2021 16:56

Instrument :
 BNA_F
 ClientSampleId :
 72-11939



Tgt Ion:	276	Resp:	75801
Ion Ratio	Lower	Upper	
276	100		
277	25.2	19.3	28.9
138	26.2	16.6	24.8#

