

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081120\
 Data File : BF121240.D
 Acq On : 11 Aug 2020 15:14
 Operator : JU/CG
 Sample : L3623-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STP-7A

Quant Time: Aug 11 16:20:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	139792	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	553626	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	284223	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	582404	20.00	ng	0.00
76) Chrysene-d12	13.96	240	534979	20.00	ng	0.00
86) Perylene-d12	15.42	264	532481	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	663623	77.82	ng	0.00
7) Phenol-d6	6.43	99	811784	73.70	ng	-0.02
23) Nitrobenzene-d5	7.36	82	520859	54.44	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	224281	72.09	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1025591	53.88	ng	-0.01
79) Terphenyl-d14	12.91	244	1126081	45.76	ng	0.00

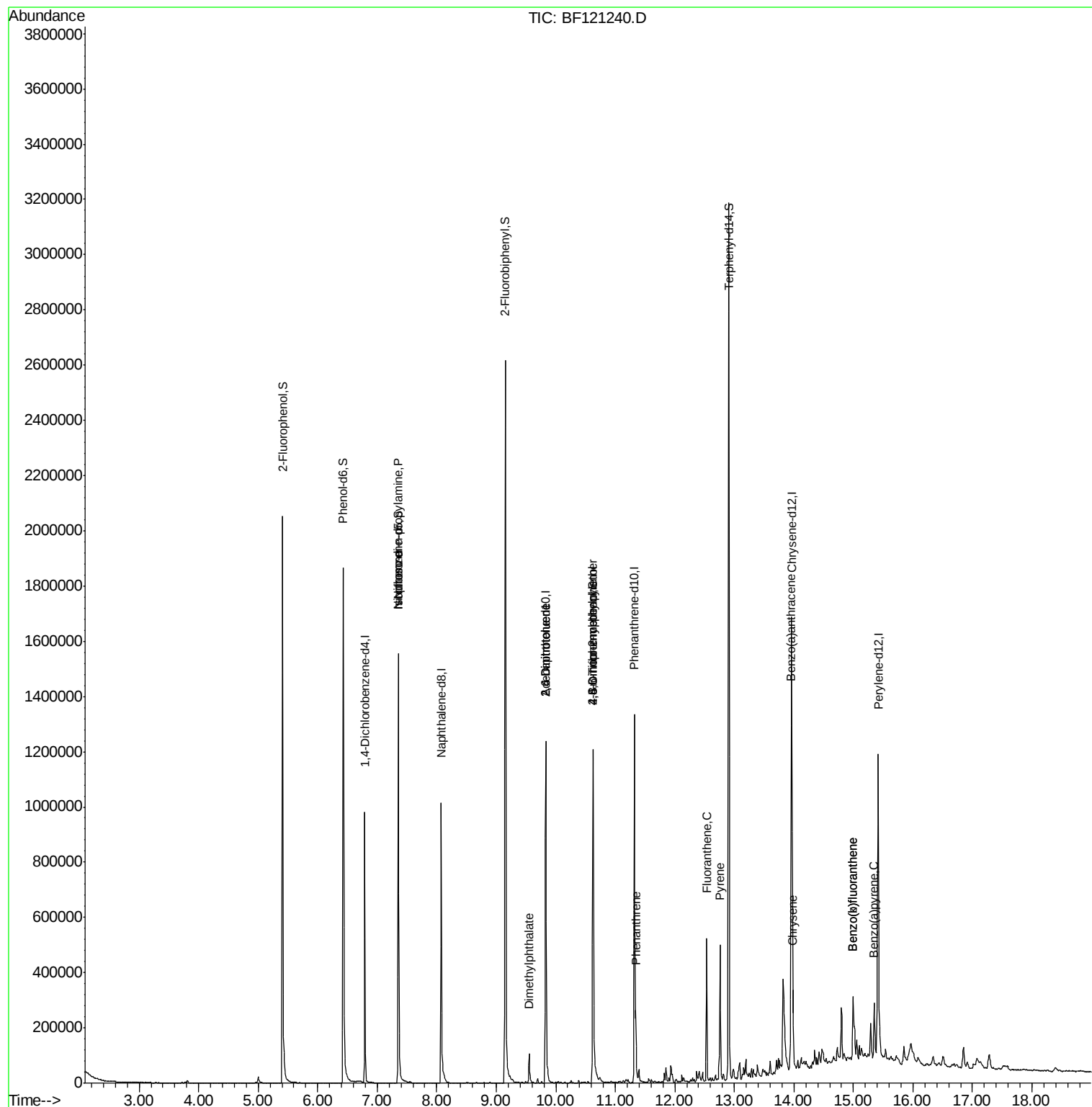
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	1098	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.36	70	67110	10.714	ng	# 79
25) Isophorone	7.36	82	517489	27.100	ng	# 62
50) Dimethylphthalate	9.55	163	63739	3.108	ng	99
51) 2,6-Dinitrotoluene	9.83	165	36477	8.280	ng	# 27
57) 2,4-Dinitrotoluene	9.83	165	36591	6.325	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.62	198	257	3.913	ng	# 1
67) 4-Bromophenyl-phenylether	10.63	248	13191	2.031	ng	# 1
71) Phenanthrene	11.35	178	92886	3.101	ng	97
75) Fluoranthene	12.53	202	211611	6.374	ng	99
78) Pyrene	12.76	202	204007	5.394	ng	99
81) Benzo(a)anthracene	13.95	228	116906	3.609	ng	98
83) Chrysene	13.99	228	98567	2.895	ng	97
88) Benzo(b)fluoranthene	14.99	252	169007	5.251	ng	98
89) Benzo(k)fluoranthene	14.99	252	169007	5.758	ng	98
90) Benzo(a)pyrene	15.35	252	94405	3.215	ng	97

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

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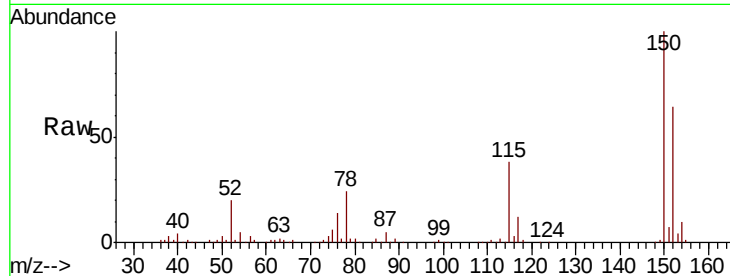


#1

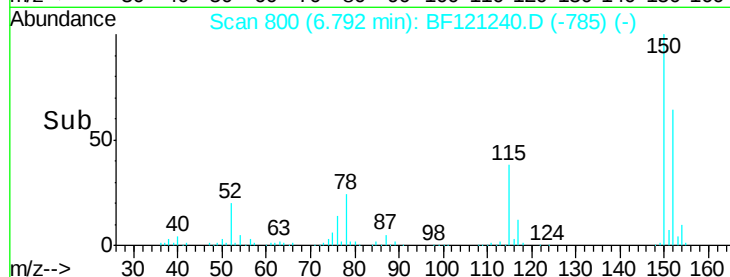
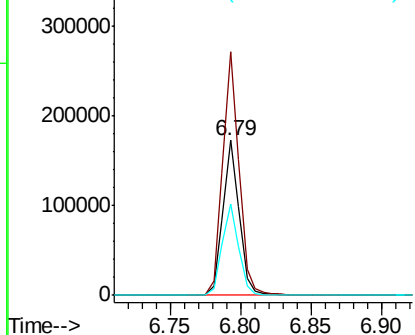
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF121240.D
Acq: 11 Aug 2020 15:14

Instrument :
BNA_F
ClientSampleId :
STP-7A

Tot Ion:152 Resp: 139792
Ion Ratio Lower Upper
152 100
150 157.0 125.6 188.4
115 59.2 46.2 69.2



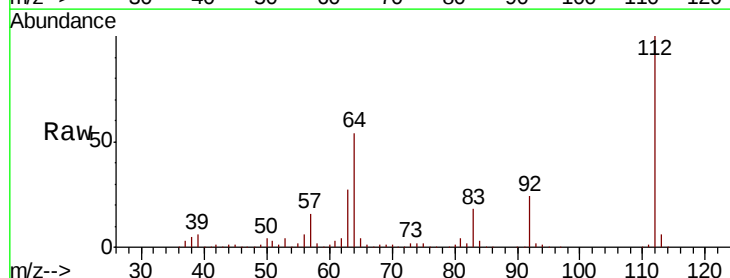
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



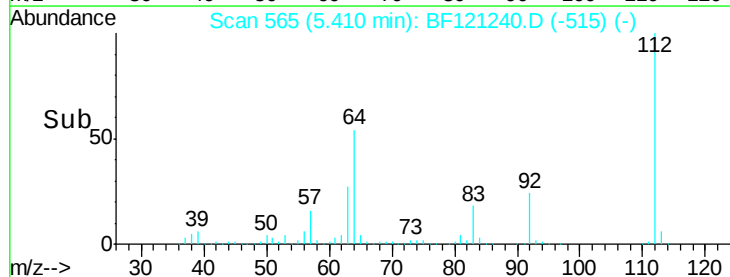
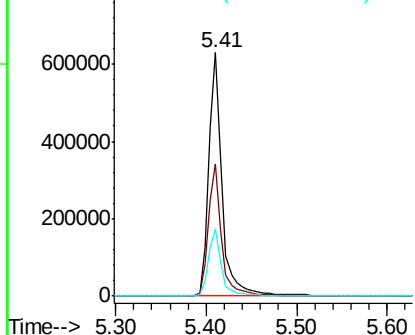
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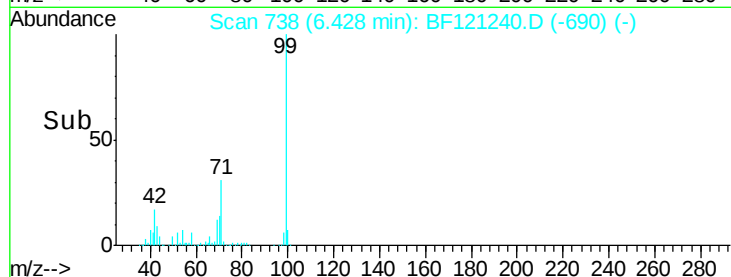
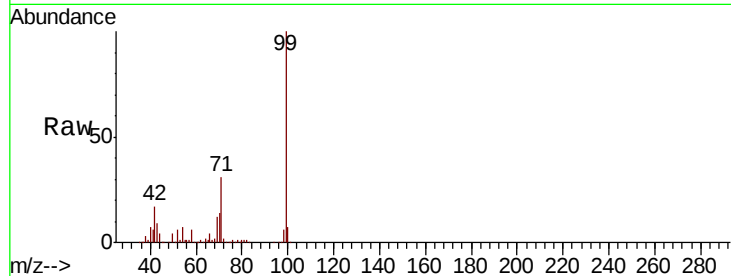
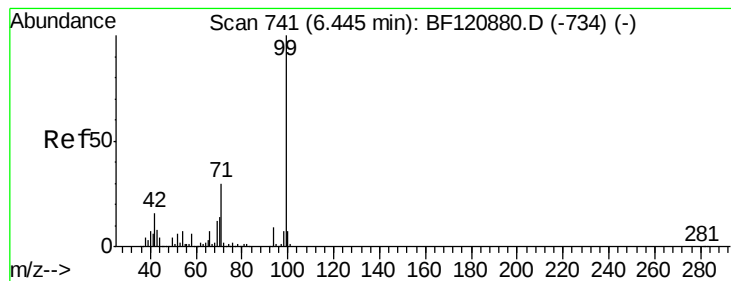
2-Fluorophenol
Concen: 77.824 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF121240.D
Acq: 11 Aug 2020 15:14

Tgt Ion:112 Resp: 663623
Ion Ratio Lower Upper
112 100
64 54.2 43.9 65.9
63 27.3 22.7 34.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 73.698 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF121240.D

Acq: 11 Aug 2020 15:14

Instrument :

BNA_F

ClientSampleId :

STP-7A

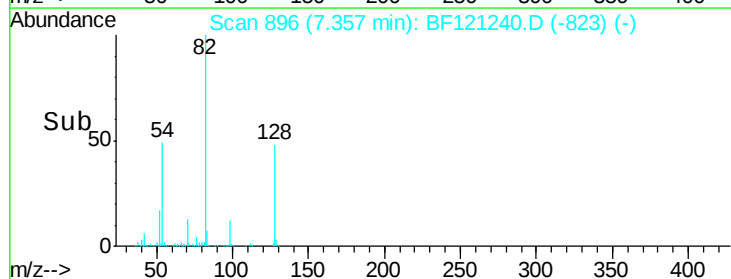
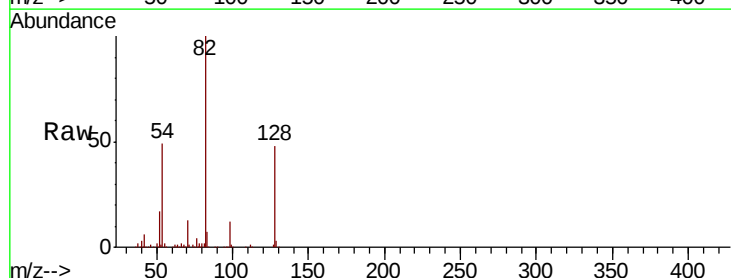
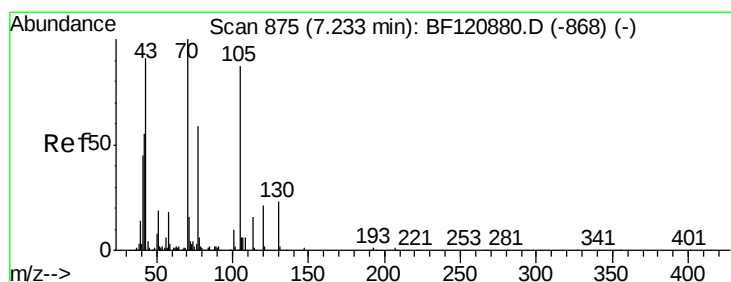
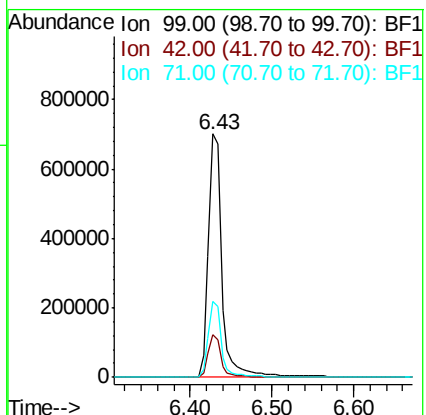
Tot Ion: 99 Resp: 811784

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

71 31.2 25.0 37.4



#19

n-Nitroso-di-n-propylamine

Concen: 10.714 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.13 min

Lab File: BF121240.D

Acq: 11 Aug 2020 15:14

Tgt Ion: 70 Resp: 67110

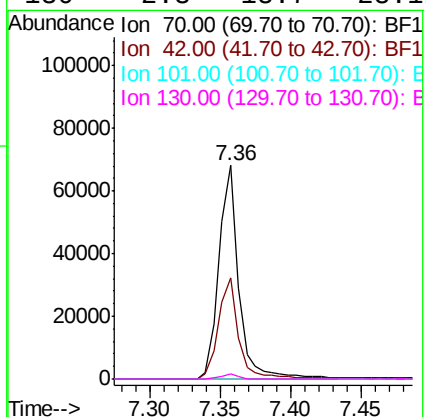
Ion Ratio Lower Upper

70 100

42 47.4 43.3 64.9

101 0.0 8.4 12.6#

130 2.3 18.7 28.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF121240.D

Acq: 11 Aug 2020 15:14

Instrument :

BNA_F

ClientSampleId :

STP-7A

Tot Ion:136 Resp: 553626

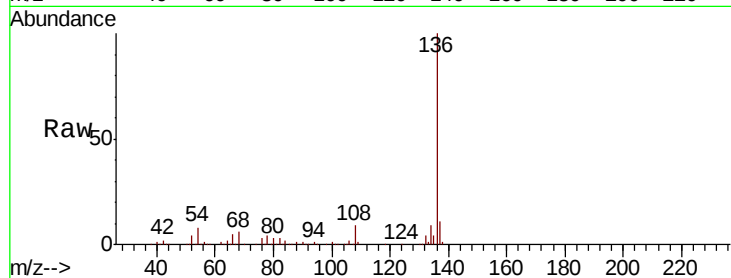
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.6 6.1 9.1

68 6.0 5.0 7.6

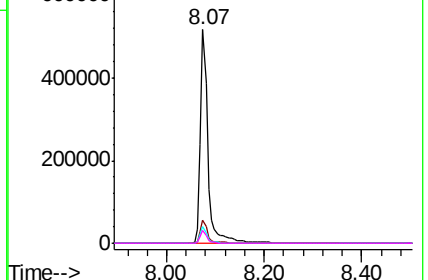
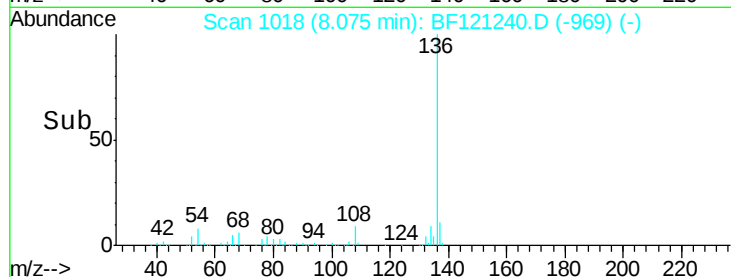


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 54.438 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.02 min

Lab File: BF121240.D

Acq: 11 Aug 2020 15:14

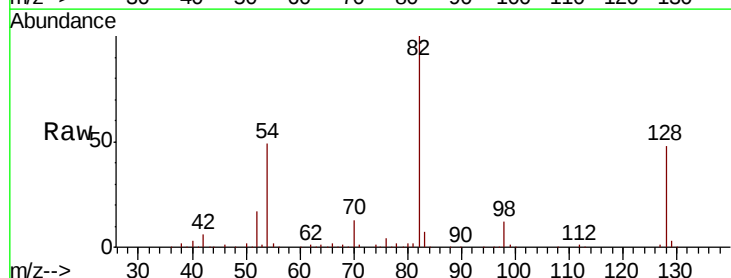
Tgt Ion: 82 Resp: 520859

Ion Ratio Lower Upper

82 100

128 47.9 39.2 58.8

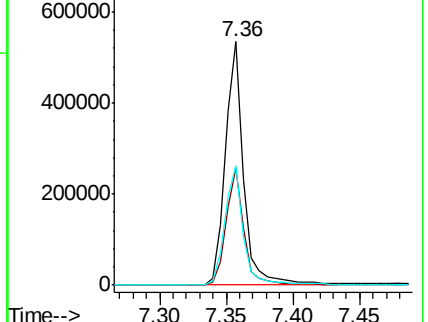
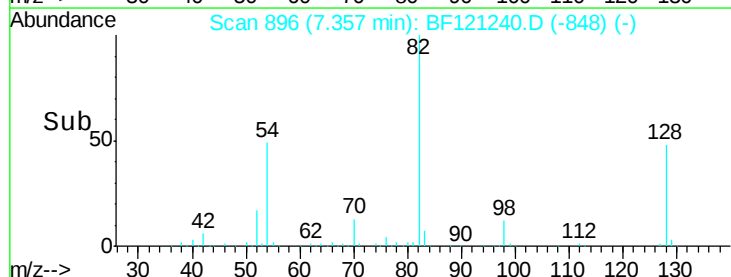
54 49.3 37.8 56.8

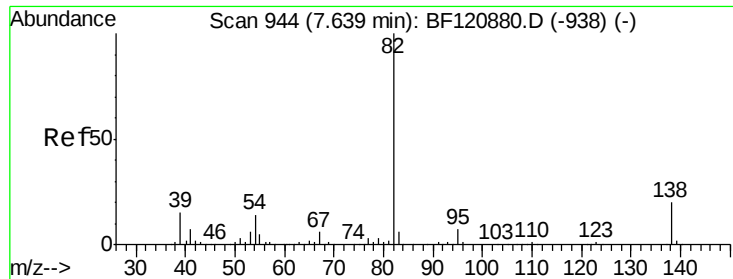


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

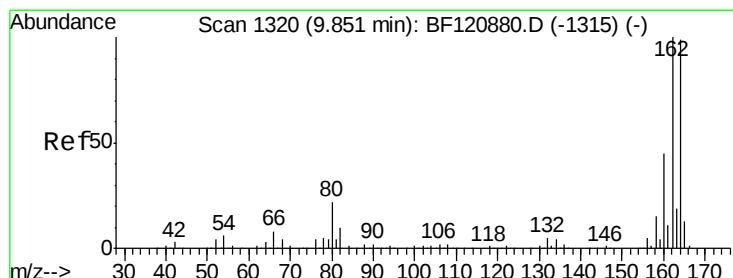
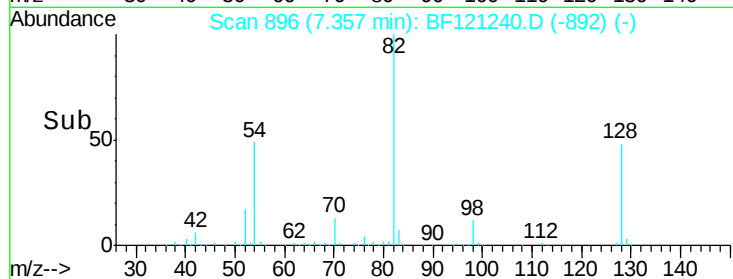
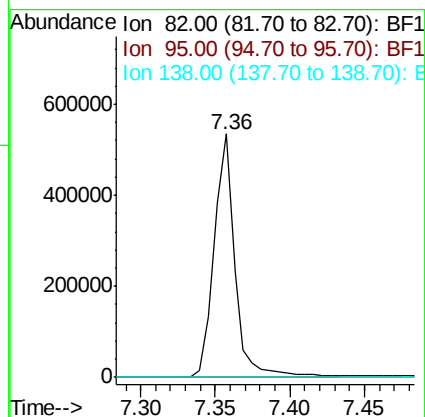
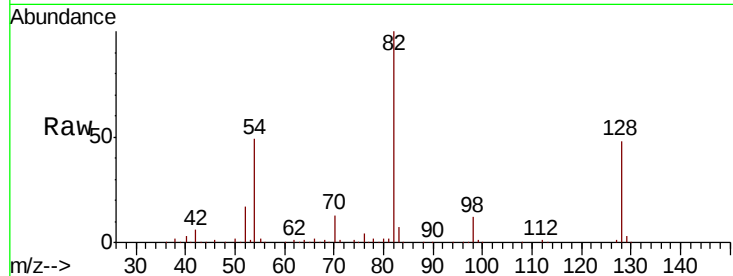




#25
Isophorone
Concen: 27.100 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.28 min
Lab File: BF121240.D
Acq: 11 Aug 2020 15:14

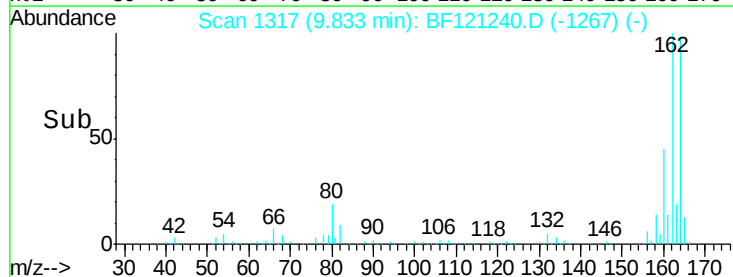
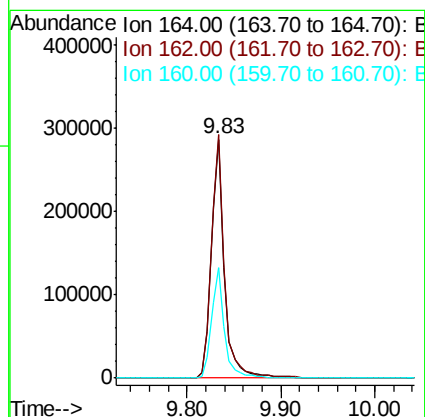
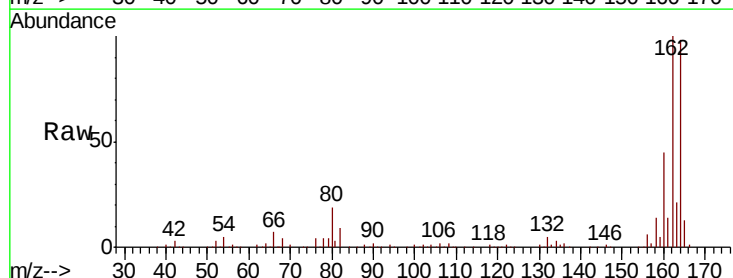
Instrument :
BNA_F
ClientSampleId :
STP-7A

Tot Ion: 82 Resp: 517489
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 16.2 24.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF121240.D
Acq: 11 Aug 2020 15:14

Tgt Ion: 164 Resp: 284223
Ion Ratio Lower Upper
164 100
162 101.9 82.2 123.2
160 46.1 37.2 55.8

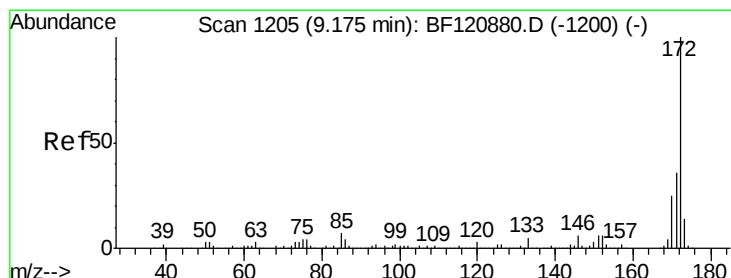
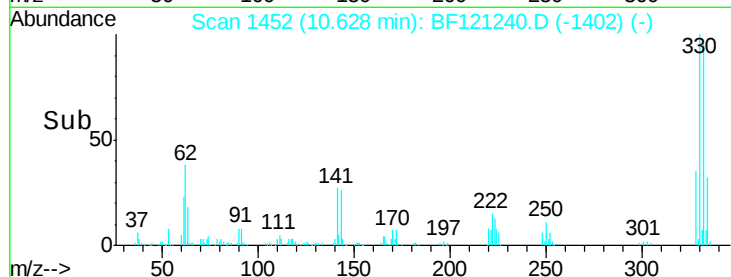
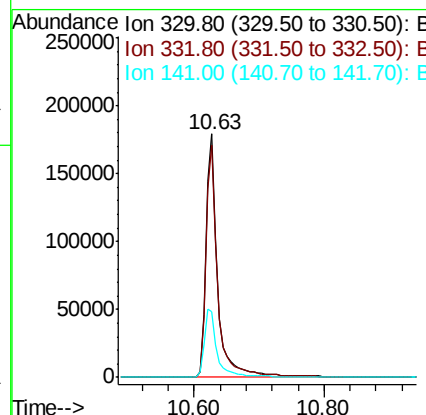
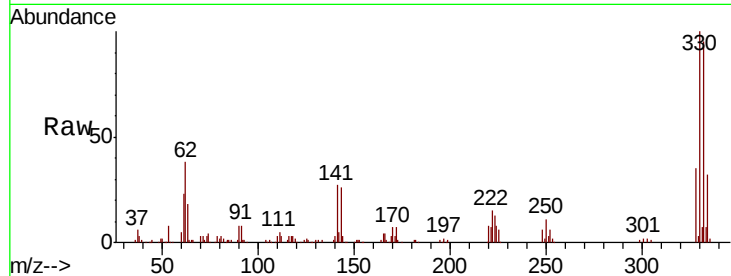




#42
 2,4,6-Tribromophenol
 Concen: 72.091 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF121240.D
 Acq: 11 Aug 2020 15:14

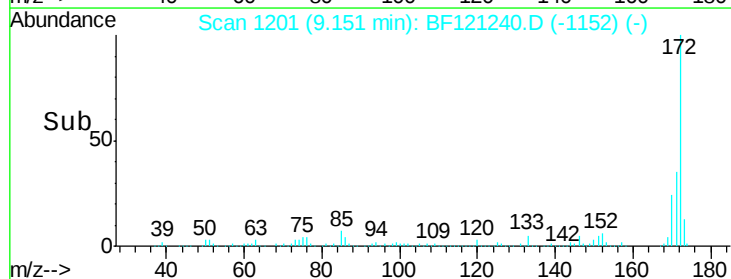
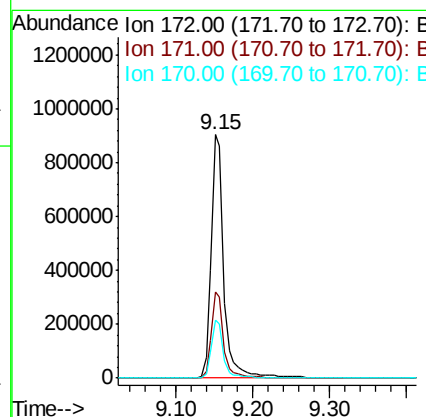
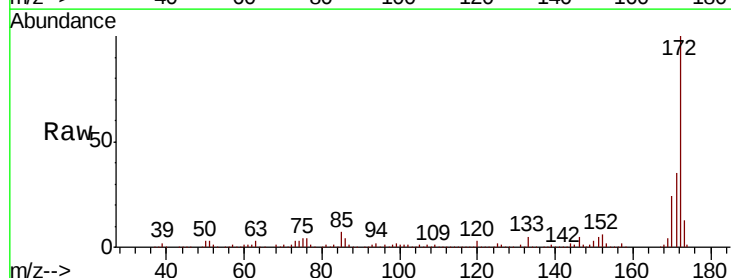
Instrument :
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 STP-7A

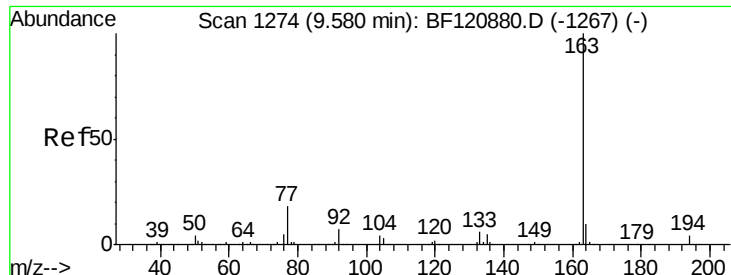
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	76.1	114.1
141	31.0	24.1	36.1



#45
 2-Fluorobiphenyl
 Concen: 53.875 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF121240.D
 Acq: 11 Aug 2020 15:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.0	43.4
170	23.9	19.6	29.4

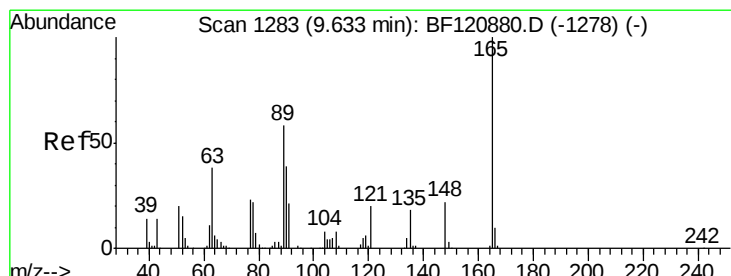
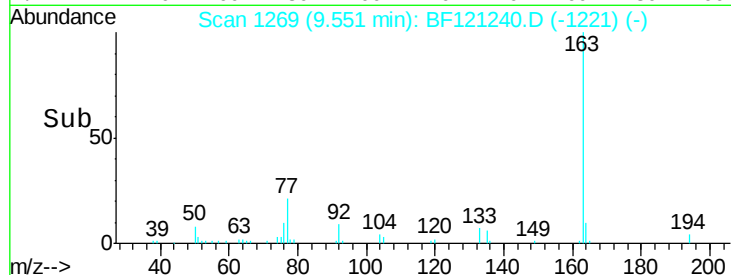
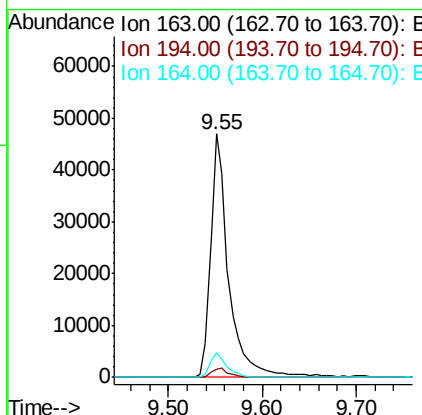
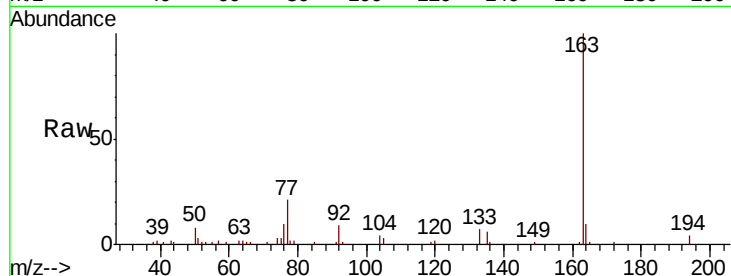




#50
Dimethylphthalate
Concen: 3.108 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF121240.D
Acq: 11 Aug 2020 15:14

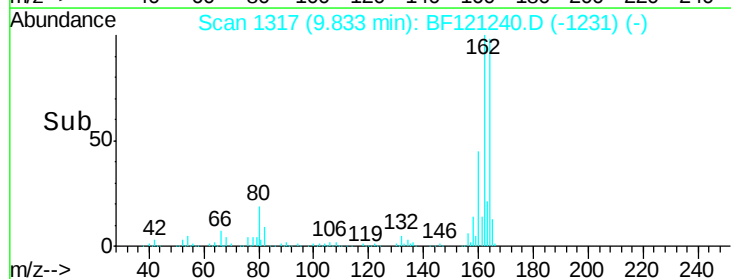
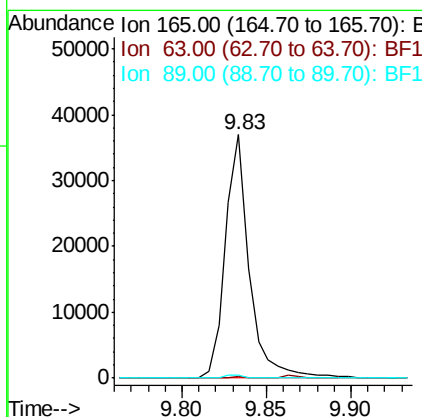
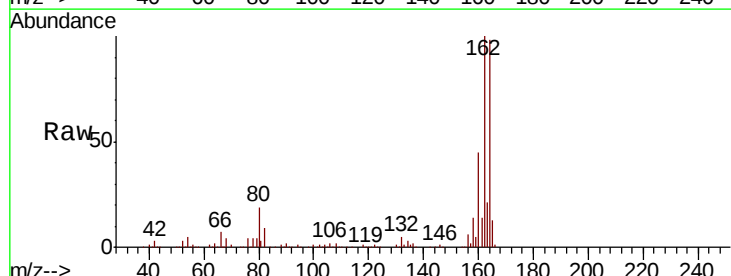
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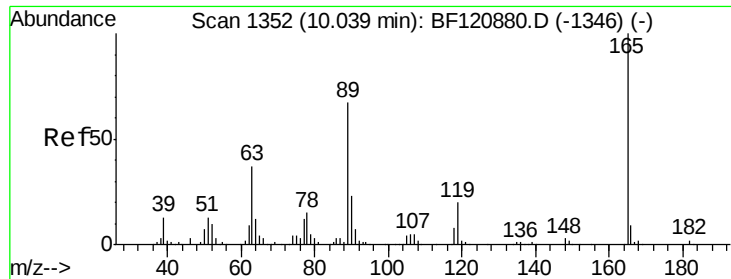
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.0	4.4
164	10.3	8.4	12.6



#51
2,6-Dinitrotoluene
Concen: 8.280 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.21 min
Lab File: BF121240.D
Acq: 11 Aug 2020 15:14

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	41.1	61.7#
89	1.4	43.5	65.3#

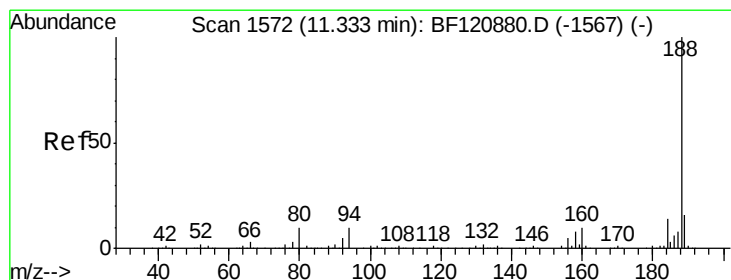
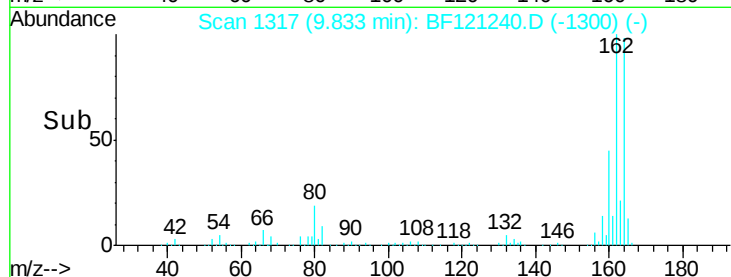
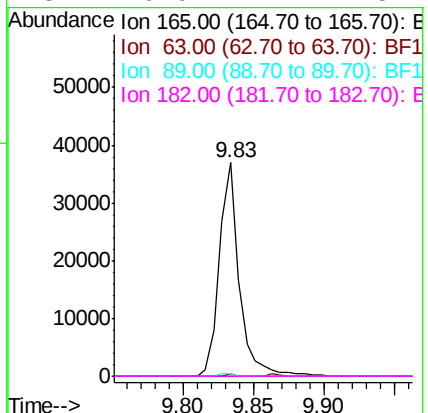
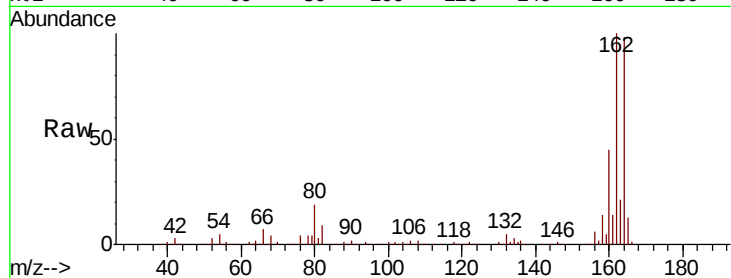




#57
 2,4-Dinitrotoluene
 Concen: 6.325 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.20 min
 Lab File: BF121240.D
 Acq: 11 Aug 2020 15:14

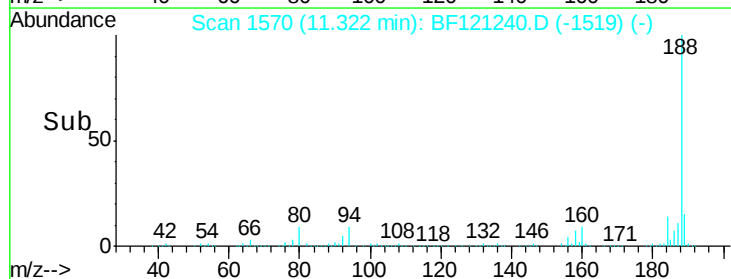
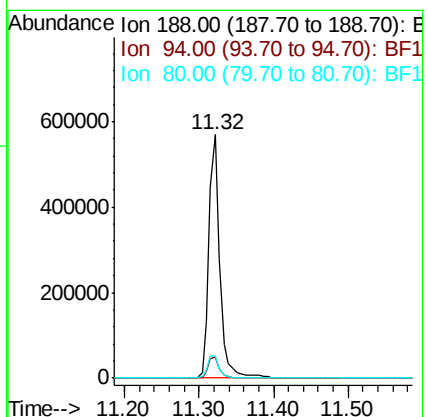
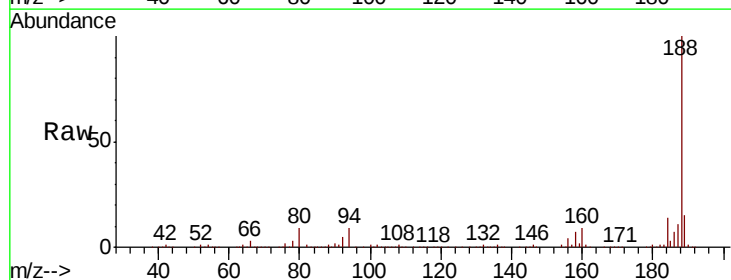
Instrument :
 BNA_F
 ClientSampleId :
 STP-7A

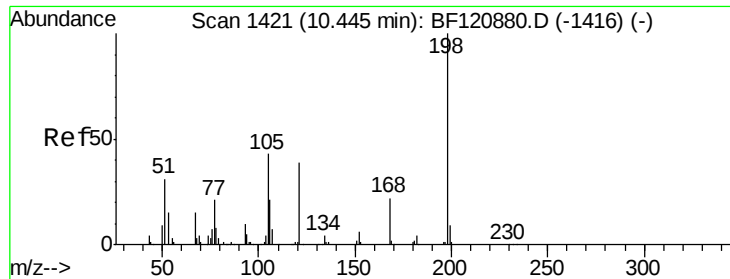
Tot Ion:165	Resp:	36591
Ion Ratio	Lower	Upper
165	100	
63	0.9	29.8 44.8#
89	1.4	50.3 75.5#
182	0.0	2.1 3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF121240.D
 Acq: 11 Aug 2020 15:14

Tgt Ion:188	Resp:	582404
Ion Ratio	Lower	Upper
188	100	
94	8.5	8.0 12.0
80	9.2	8.3 12.5

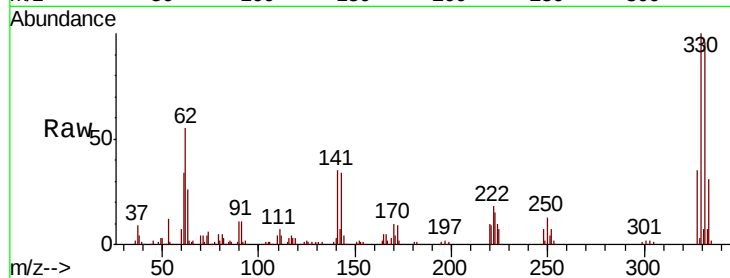




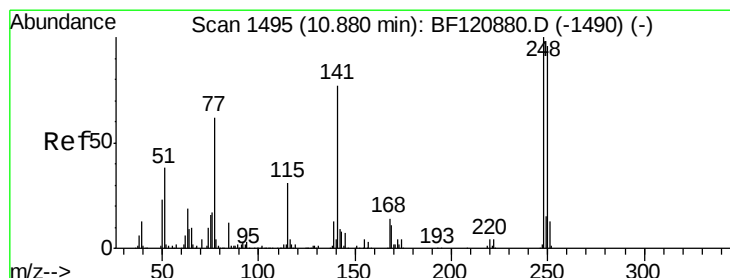
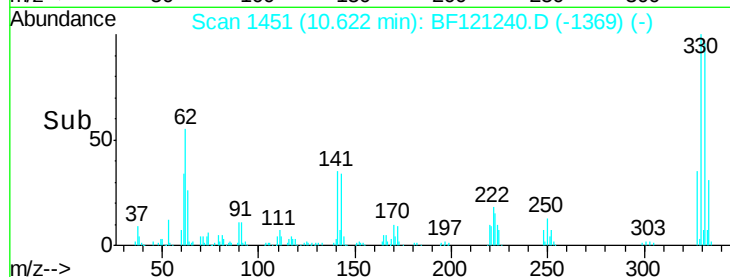
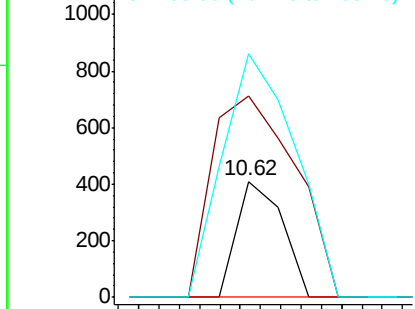
#65
 4,6-Dinitro-2-methylphenol
 Concen: 3.913 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.18 min
 Lab File: BF121240.D
 Acq: 11 Aug 2020 15:14

Instrument :
 BNA_F
 ClientSampleId :
 STP-7A

Tot Ion:198 Resp: 257
 Ion Ratio Lower Upper
 198 100
 51 173.9 23.4 63.4#
 105 210.0 23.7 63.7#

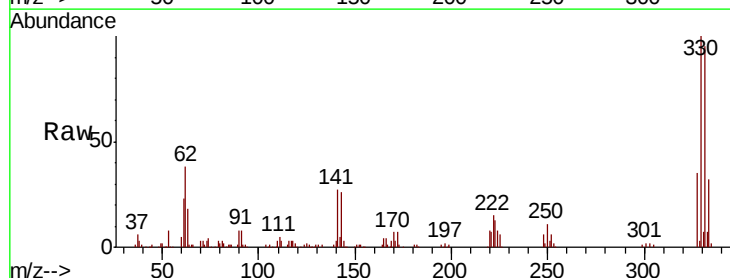


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

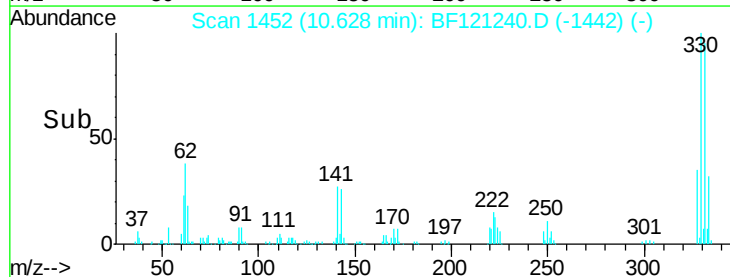
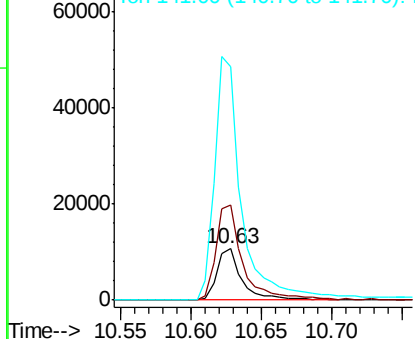


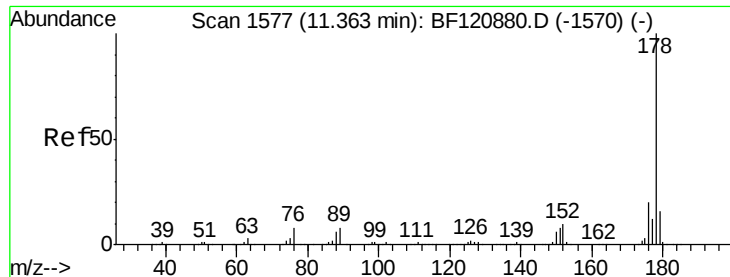
#67
 4-Bromophenyl-phenylether
 Concen: 2.031 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.24 min
 Lab File: BF121240.D
 Acq: 11 Aug 2020 15:14

Tgt Ion:248 Resp: 13191
 Ion Ratio Lower Upper
 248 100
 250 185.5 77.0 115.6#
 141 454.2 56.6 85.0#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 3.101 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF121240.D

Acq: 11 Aug 2020 15:14

Instrument :

BNA_F

ClientSampleId :

STP-7A

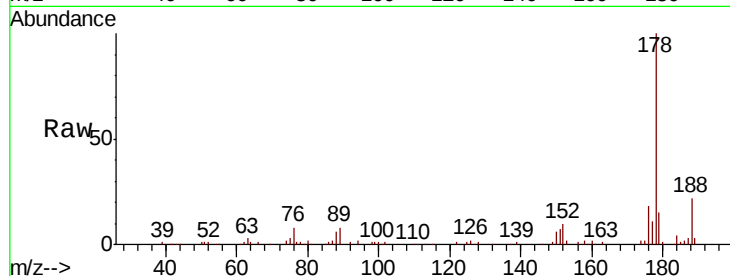
Tot Ion:178 Resp: 92886

Ion Ratio Lower Upper

178 100

176 18.4 16.2 24.2

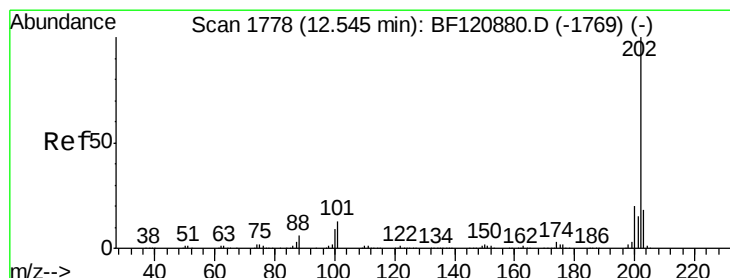
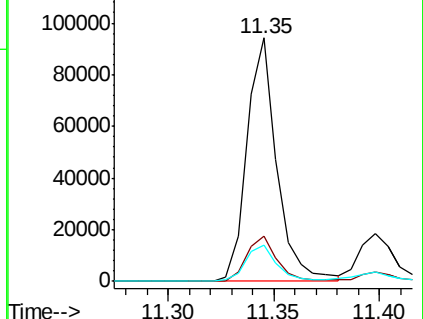
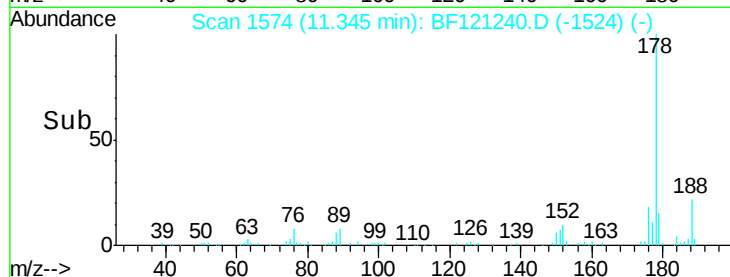
179 15.1 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 6.374 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BF121240.D

Acq: 11 Aug 2020 15:14

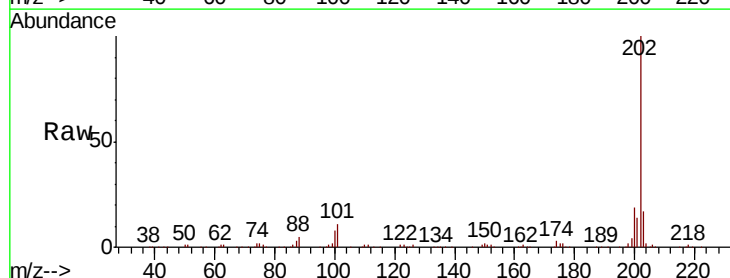
Tgt Ion:202 Resp: 211611

Ion Ratio Lower Upper

202 100

101 11.0 0.0 30.5

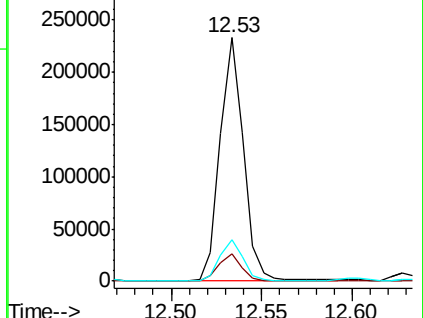
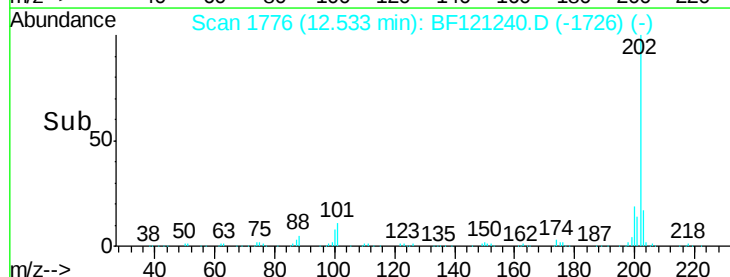
203 17.1 0.0 37.7

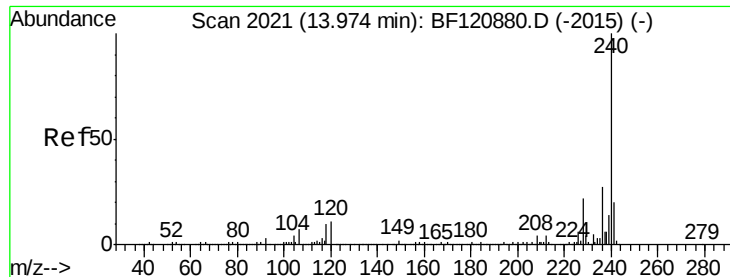


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

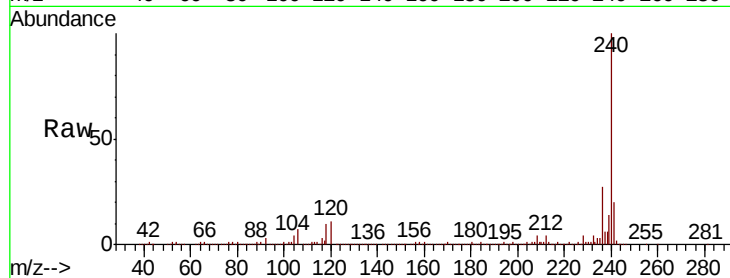




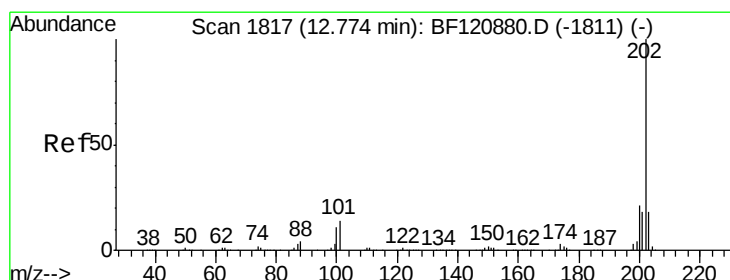
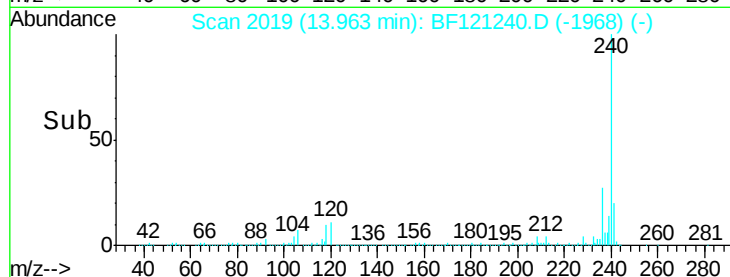
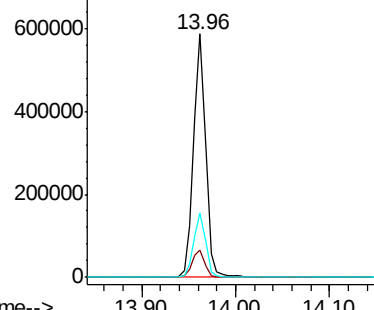
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF121240.D
Acq: 11 Aug 2020 15:14

Instrument :
BNA_F
ClientSampleId :
STP-7A

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.3	13.9
236	26.7	21.1	31.7

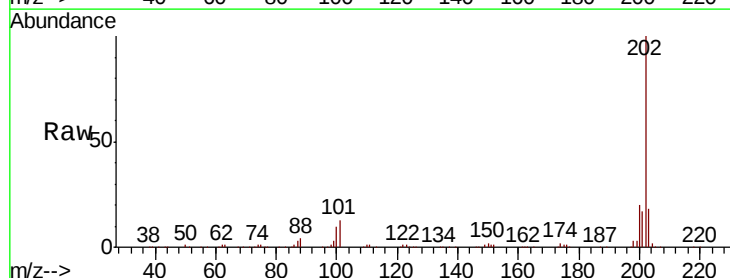


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

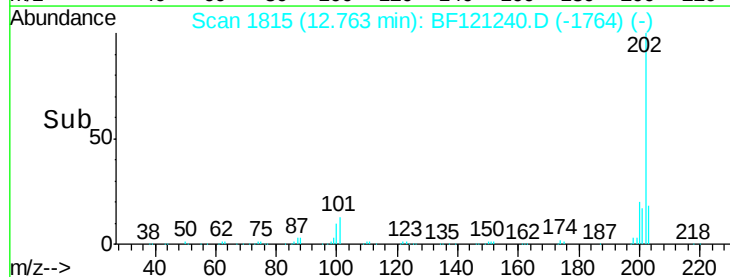
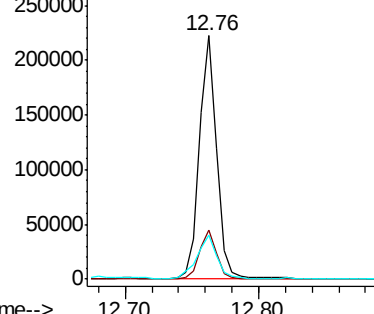


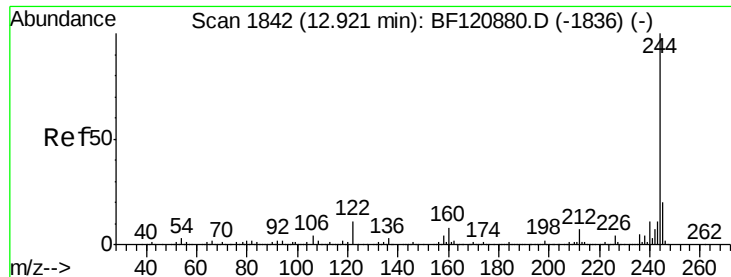
#78
Pyrene
Concen: 5.394 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BF121240.D
Acq: 11 Aug 2020 15:14

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.0	25.6
203	18.1	14.6	21.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 45.756 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BF121240.D

Acq: 11 Aug 2020 15:14

Instrument :

BNA_F

ClientSampled :

STP-7A

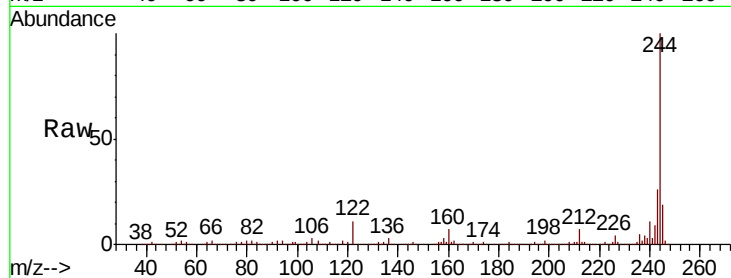
Tot Ion:244 Resp: 1126081

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

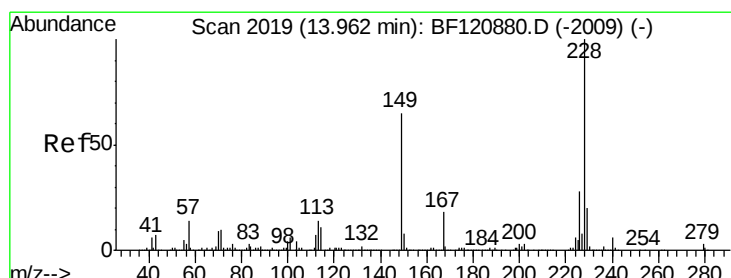
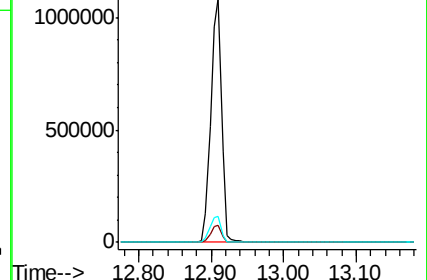
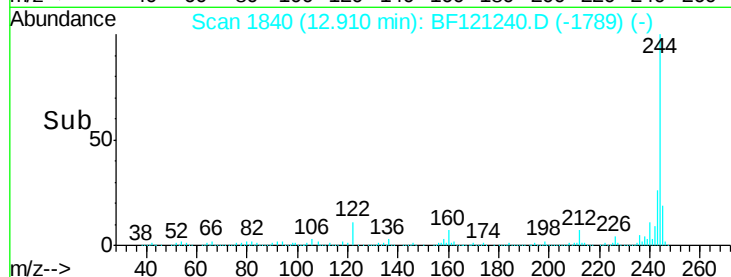
122 10.6 8.3 12.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 3.609 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BF121240.D

Acq: 11 Aug 2020 15:14

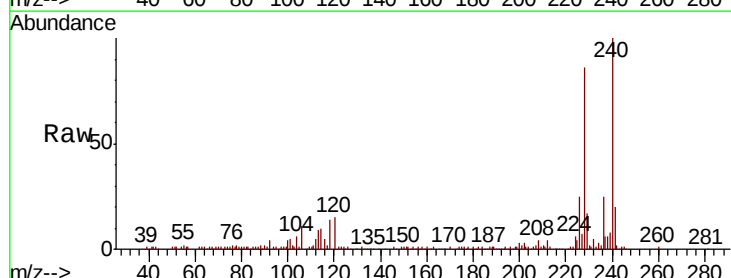
Tgt Ion:228 Resp: 116906

Ion Ratio Lower Upper

228 100

226 29.5 22.6 34.0

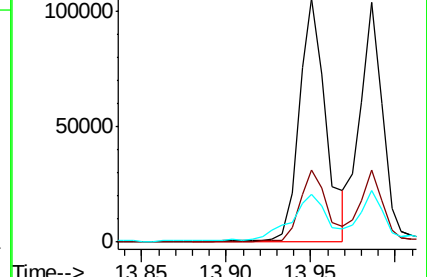
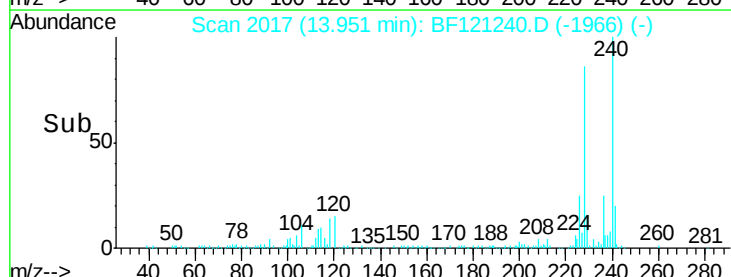
229 19.8 16.1 24.1

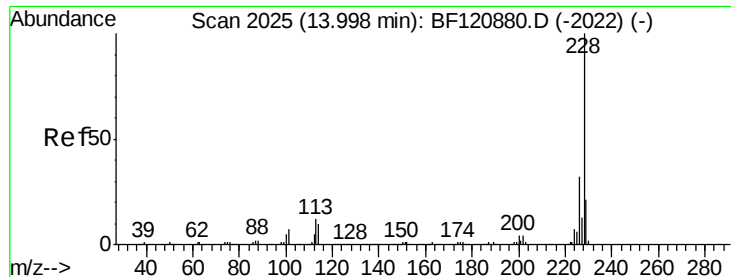


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.895 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF121240.D

Acq: 11 Aug 2020 15:14

Instrument :

BNA_F

ClientSampled :

STP-7A

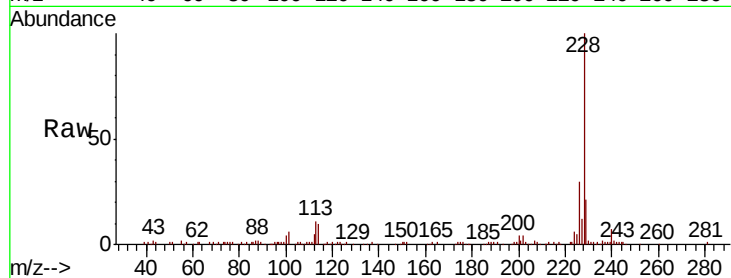
Tot Ion:228 Resp: 98567

Ion Ratio Lower Upper

228 100

226 30.1 25.4 38.0

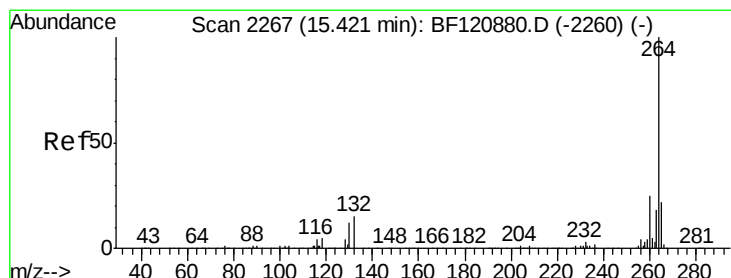
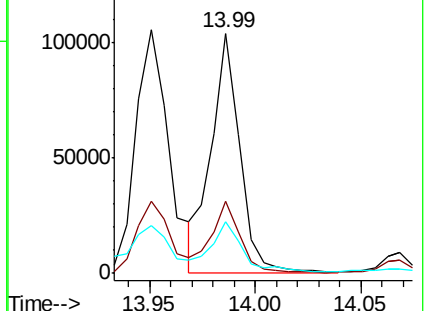
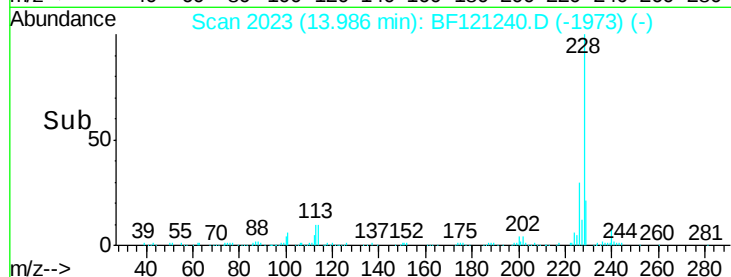
229 21.4 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. 0.01 min

Lab File: BF121240.D

Acq: 11 Aug 2020 15:14

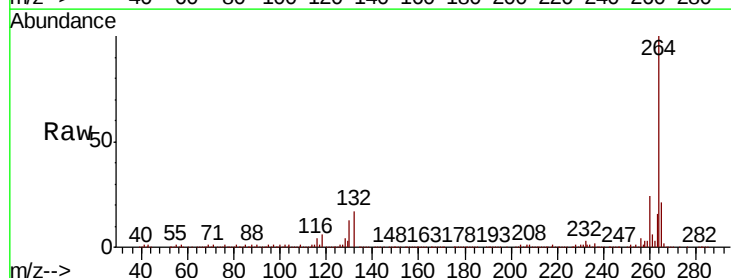
Tgt Ion:264 Resp: 532481

Ion Ratio Lower Upper

264 100

260 24.3 19.9 29.9

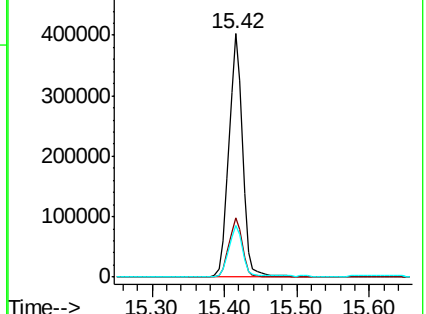
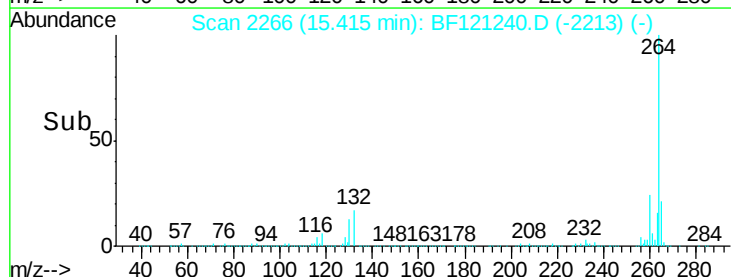
265 21.4 17.8 26.8

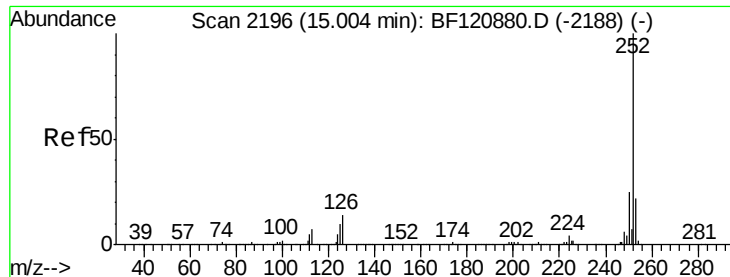


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

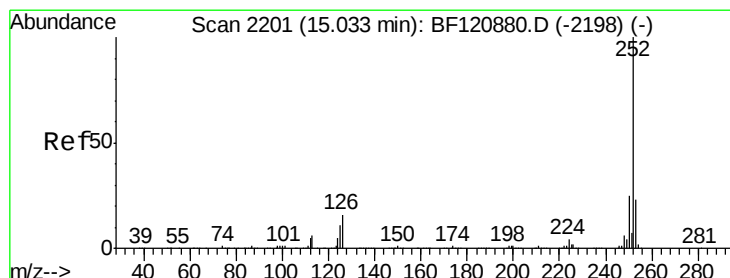
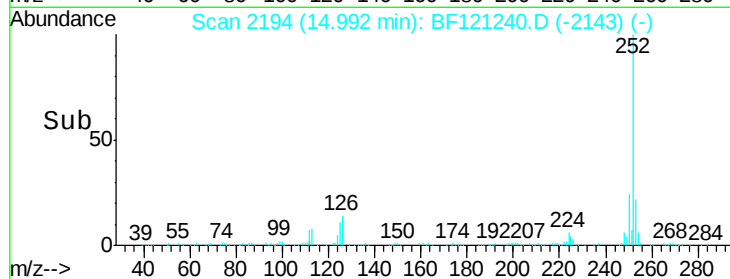
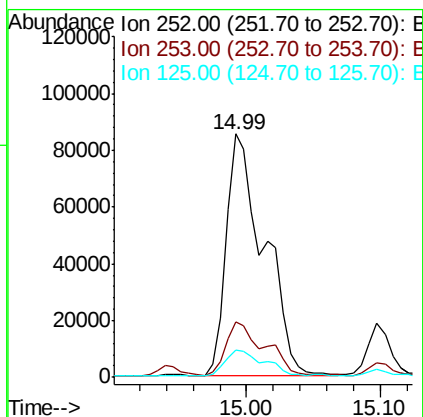
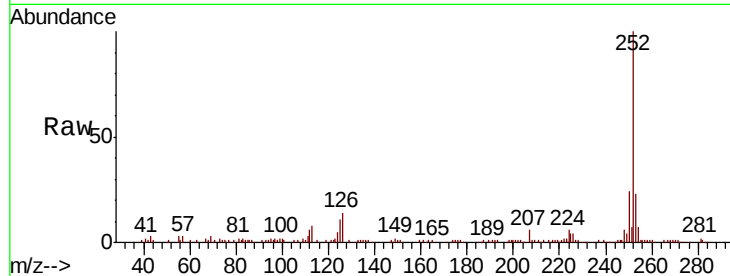




#88
Benzo(b)fluoranthene
Concen: 5.251 ng
RT: 14.99 min Scan# 2194
Delta R.T. 0.00 min
Lab File: BF121240.D
Acq: 11 Aug 2020 15:14

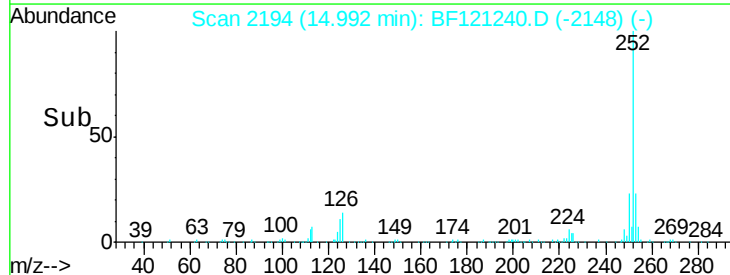
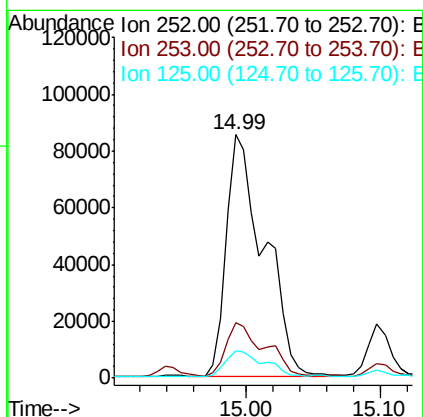
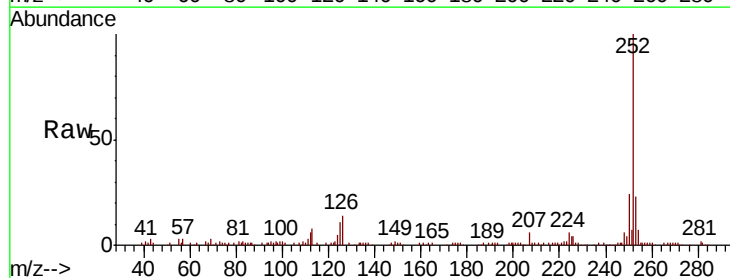
Instrument :
BNA_F
ClientSampleId :
STP-7A

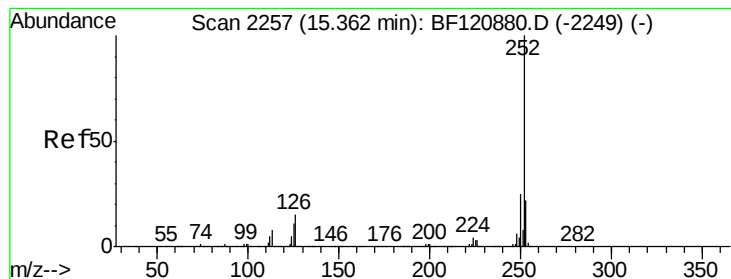
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	11.4	8.1	12.1



#89
Benzo(k)fluoranthene
Concen: 5.758 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.03 min
Lab File: BF121240.D
Acq: 11 Aug 2020 15:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	11.4	8.0	12.0





#90
 Benzo(a)pyrene
 Concen: 3.215 ng
 RT: 15.35 min Scan# 2255
 Delta R.T. 0.01 min
 Lab File: BF121240.D
 Acq: 11 Aug 2020 15:14

Instrument :
 BNA_F
 ClientSampleId :
 STP-7A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	10.6	9.5	14.3

