

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
 Data File : BF111927.D
 Acq On : 9 Jan 2019 00:23
 Operator : JU/SJ
 Sample : K1044-05 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-10(10-15)

Manual Integrations
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 1/9/2019 10:36:53 AM

Quant Time: Jan 09 01:43:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	122494	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	416480	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	215361	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	351415	20.00	ng	0.00
76) Chrysene-d12	14.07	240	256519	20.00	ng	0.02
87) Perylene-d12	15.56	264	201273	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	350633	48.97	ng	0.00
7) Phenol-d6	6.53	99	405410	43.93	ng	0.00
23) Nitrobenzene-d5	7.44	82	220821	28.34	ng	-0.02
42) 2,4,6-Tribromophenol	10.72	330	104573	37.33	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	409798	27.75	ng	0.00
79) Terphenyl-d14	13.00	244	402792	29.81	ng	0.00
Target Compounds						
10) Phenol	6.54	94	25138	2.506	ng	82
31) Naphthalene	8.19	128	87009	4.401	ng	100
50) Dimethylphthalate	9.63	163	60479	3.738	ng	# 97
52) Acenaphthene	9.96	154	213541	15.847	ng	99
55) Dibenzofuran	10.13	168	51549	2.630	ng	# 92
58) Fluorene	10.47	166	313467	21.982	ng	97
71) Phenanthrene	11.45	178	1795577	95.569	ng	99
72) Anthracene	11.50	178	599333	31.423	ng	98
73) Carbazole	11.65	167	56185	3.028	ng	# 86
75) Fluoranthene	12.64	202	1963561	101.802	ng	96
78) Pyrene	12.88	202	2425297	137.410	ng	98
81) Benzo(a)anthracene	14.06	228	974352	65.999	ng	98
83) Chrysene	14.10	228	877982	62.373	ng	98
84) Bis(2-ethylhexyl)phthalate	14.04	149	40013	4.083	ng	# 74
86) Indeno(1,2,3-cd)pyrene	17.07	276	237391	23.133	ng	97
88) Benzo(b)fluoranthene	15.13	252	700406m	58.173	ng	
89) Benzo(k)fluoranthene	15.15	252	214780m	18.978	ng	
90) Benzo(a)pyrene	15.50	252	522651	49.370	ng	# 96
91) Dibenzo(a,h)anthracene	17.07	278	66432	7.802	ng	# 89
92) Benzo(a,h,i)perylene	17.52	276	247651	29.737	ng	99

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

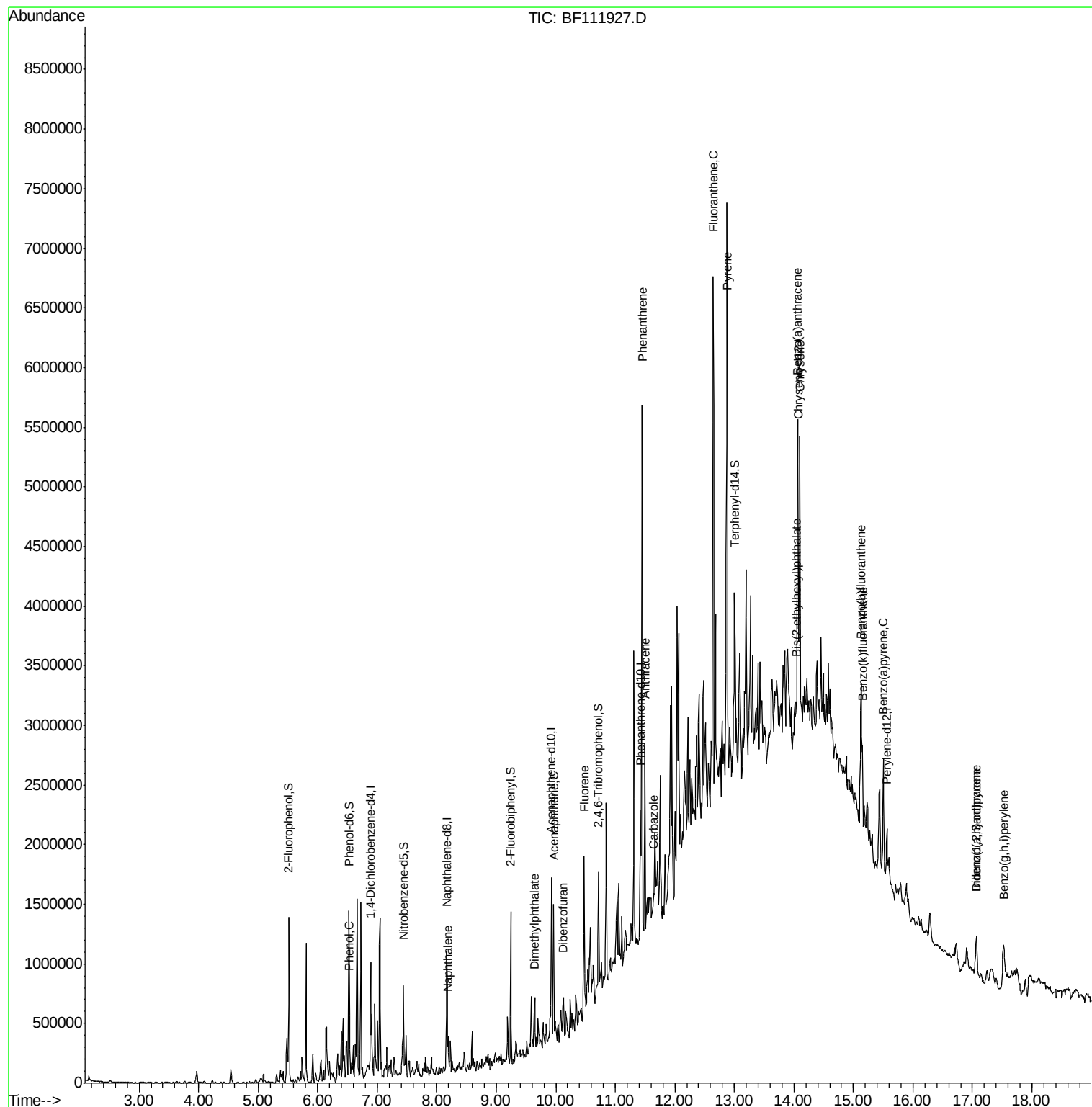
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010819\
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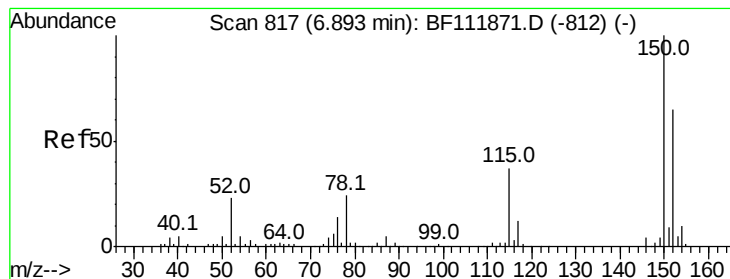
Instrument :
BNA_F
ClientSampleId :
CPSB-10(10-15)

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1/9/2019 10:36:53 AM

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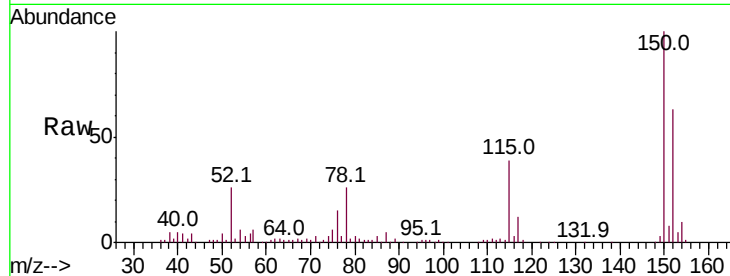
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 816
 Delta R.T. -0.01 min
 Lab File: BF111927.D
 Acq: 9 Jan 2019 00:23

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-10(10-15)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	122.7	184.1
115	61.1	45.2	67.8

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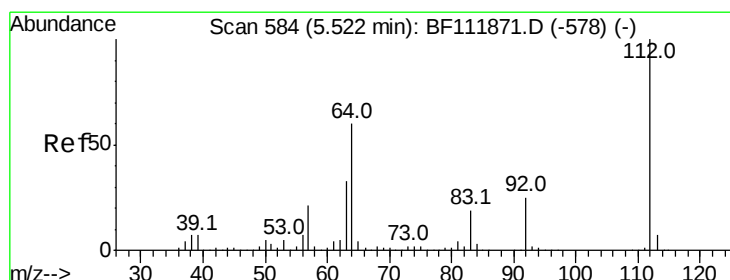
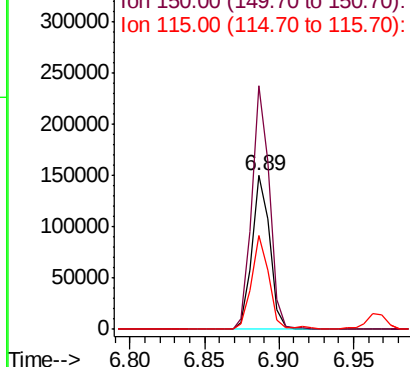
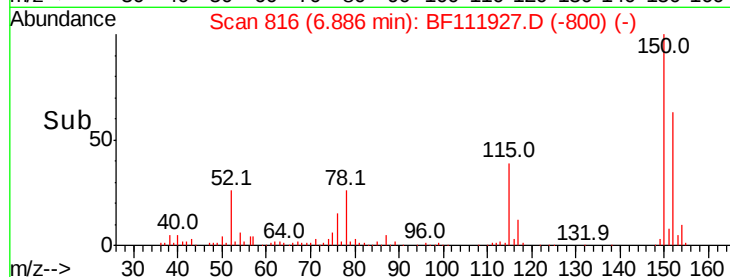


Abundance

Ion 152.00 (151.70 to 152.70): E

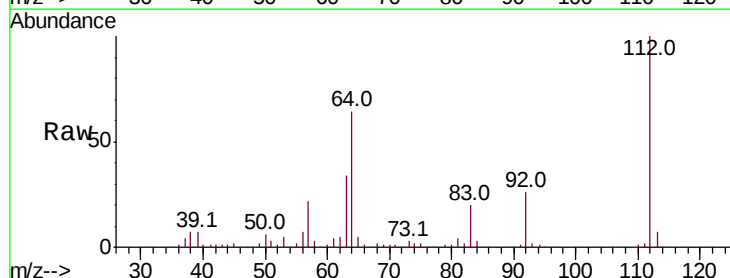
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 48.971 ng
 RT: 5.52 min Scan# 583
 Delta R.T. -0.01 min
 Lab File: BF111927.D
 Acq: 9 Jan 2019 00:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.0	48.3	72.5
63	33.9	26.1	39.1

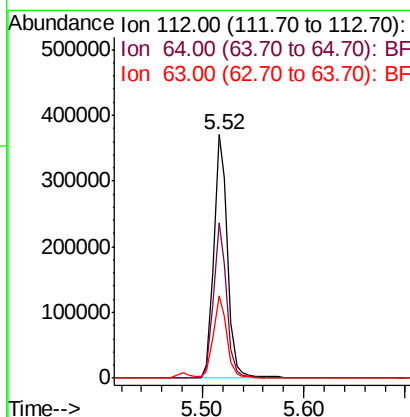
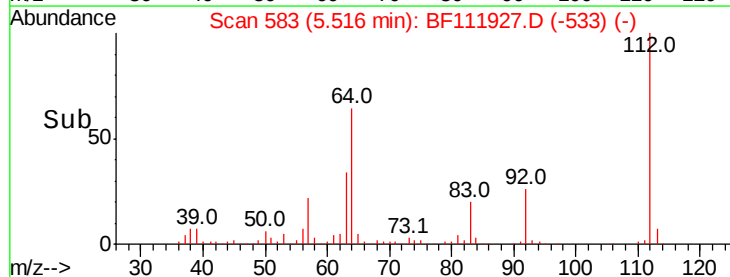


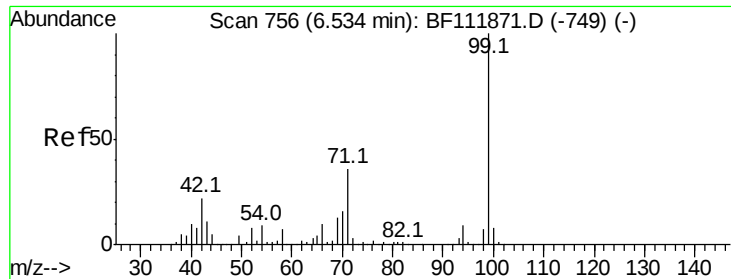
Abundance

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: 43.931 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111927.D

Acq: 9 Jan 2019 00:23

Instrument :

BNA_F

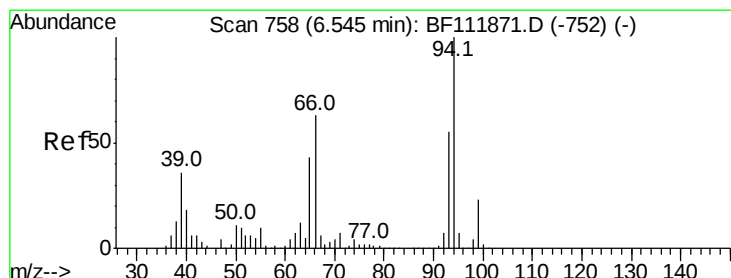
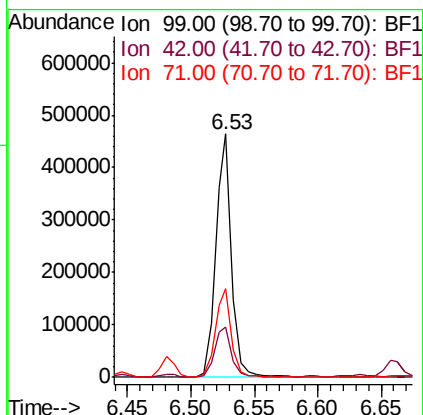
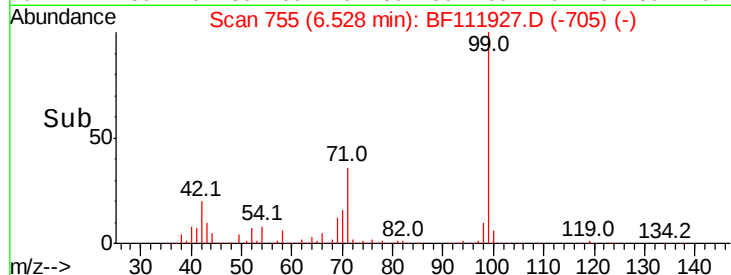
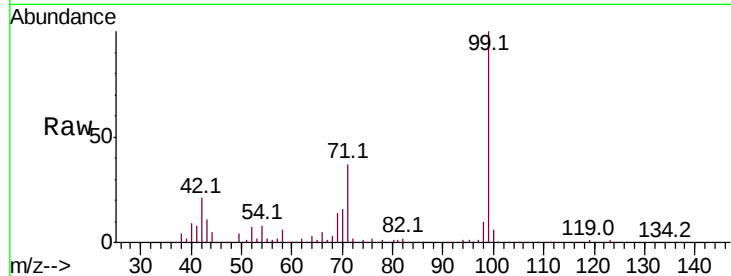
ClientSampleId :

CPSB-10(10-15)

Tot Ion:	99	Resp:	405410
Ion Ratio	Lower	Upper	
99	100		
42	20.9	17.9	26.9
71	36.6	28.7	43.1

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#10

Phenol

Concen: 2.506 ng

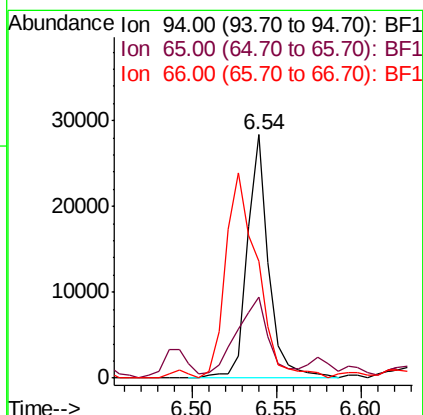
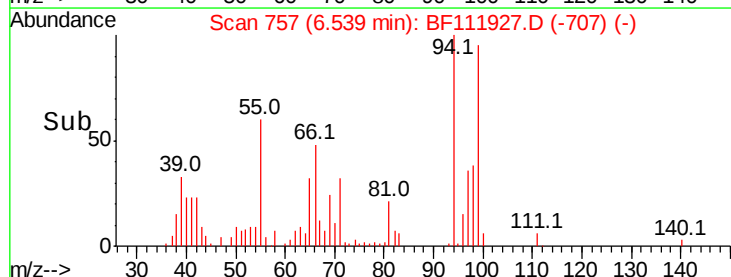
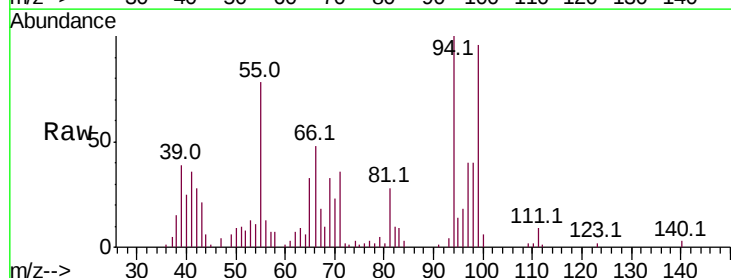
RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF111927.D

Acq: 9 Jan 2019 00:23

Tgt Ion:	94	Resp:	25138
Ion Ratio	Lower	Upper	
94	100		
65	33.1	22.8	62.8
66	47.9	43.3	83.3





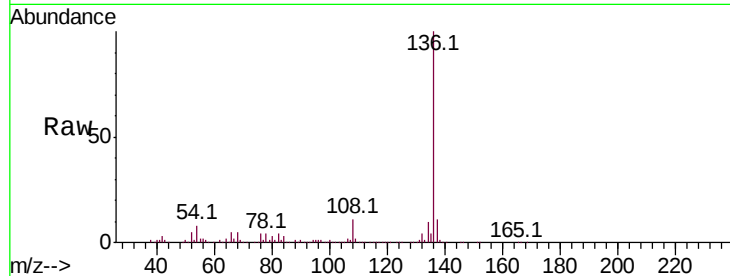
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

Instrument :
BNA_F
ClientSampleId :
CPSB-10(10-15)

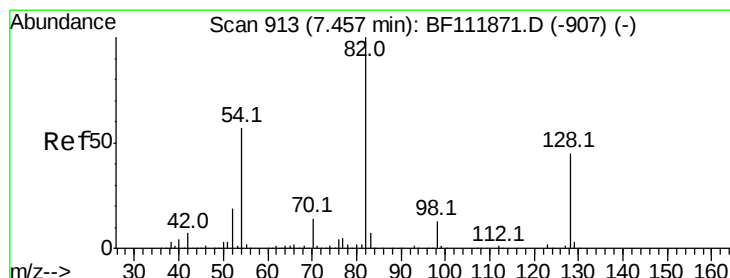
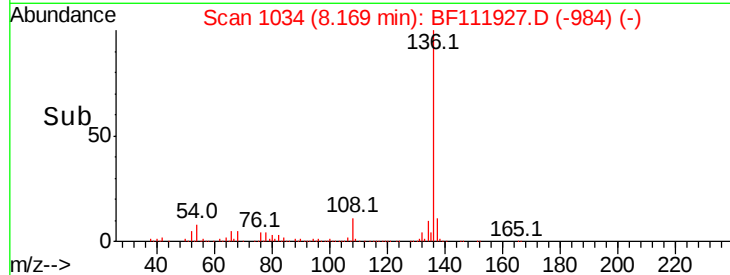
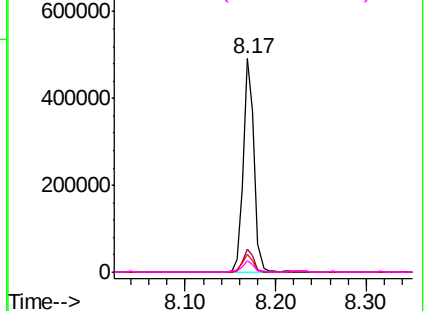
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.7	9.1	13.7	
54	8.3	7.2	10.8	
68	5.3	4.4	6.6	

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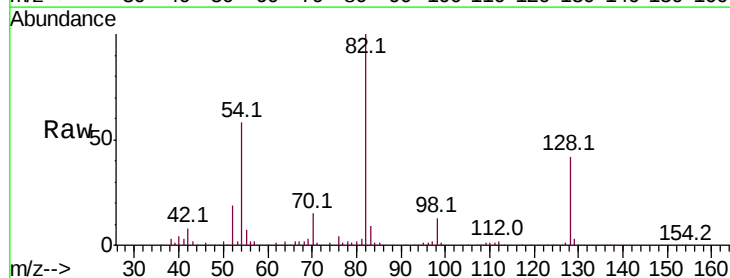


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

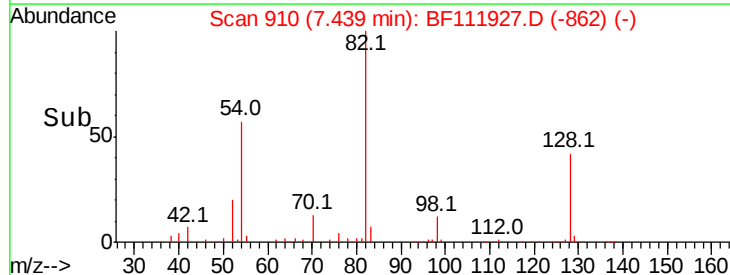
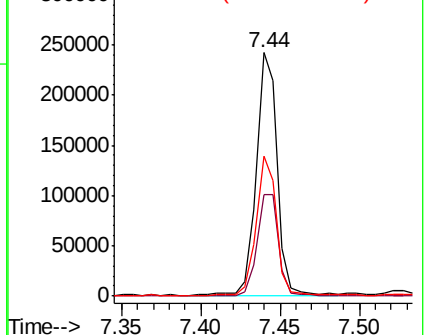


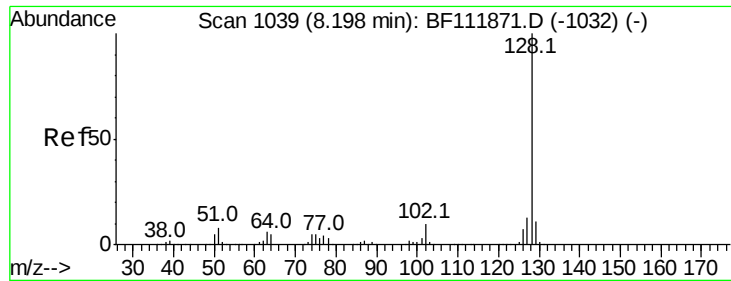
#23
Nitrobenzene-d5
Concen: 28.337 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.02 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.5	35.7	53.5	
54	57.5	45.8	68.8	



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





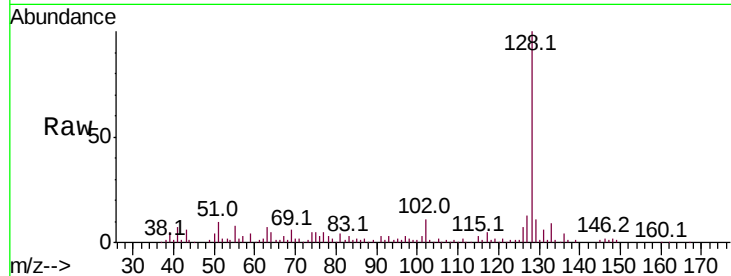
#31
Naphthalene
Concen: 4.401 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

Instrument :
BNA_F
ClientSampleId :
CPSB-10(10-15)

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.4
127	13.5	10.7	16.1

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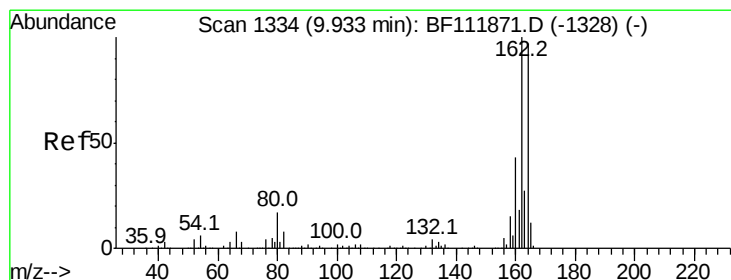
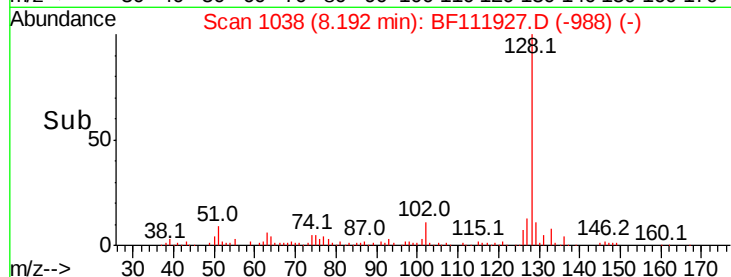
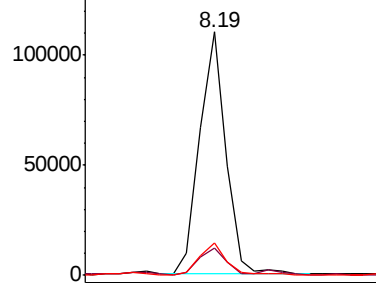


Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

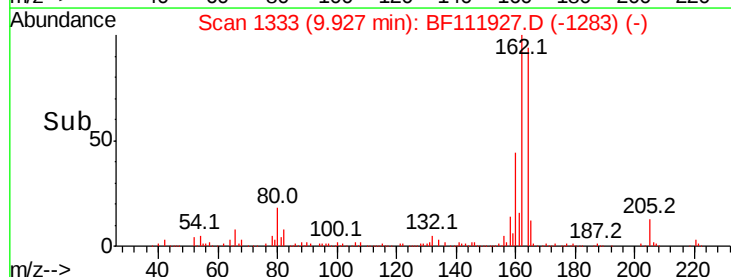
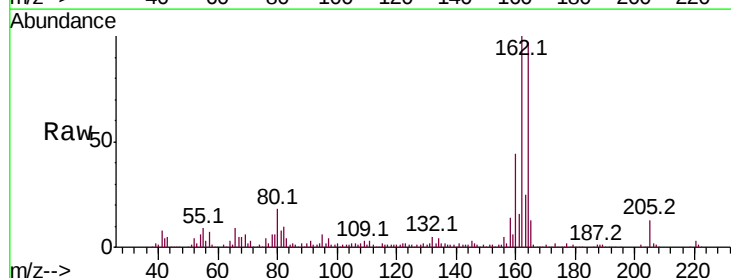
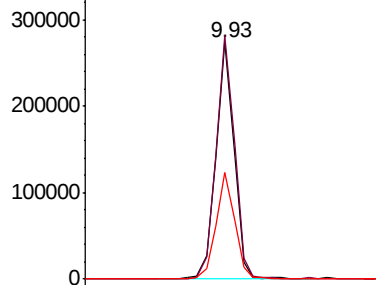
Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.2	123.2
160	44.8	35.5	53.3

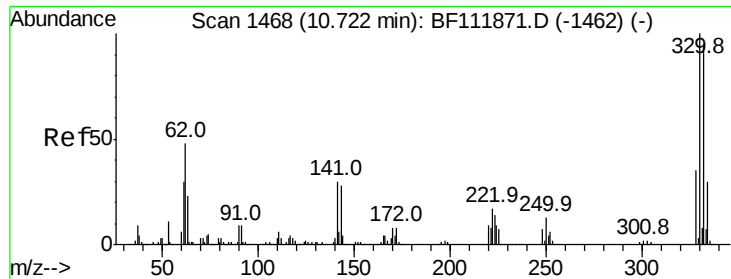
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





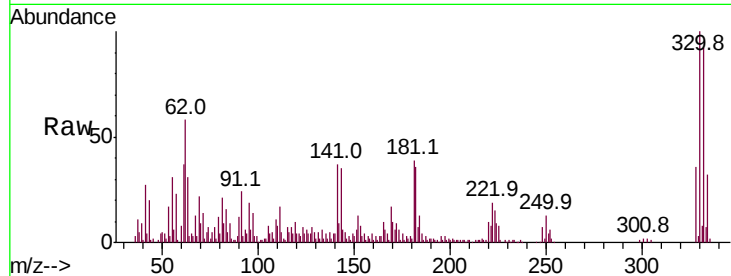
#42
 2,4,6-Tribromophenol
 Concen: 37.332 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF111927.D
 Acq: 9 Jan 2019 00:23

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-10(10-15)

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.6	76.9	115.3
141	30.2	23.7	35.5

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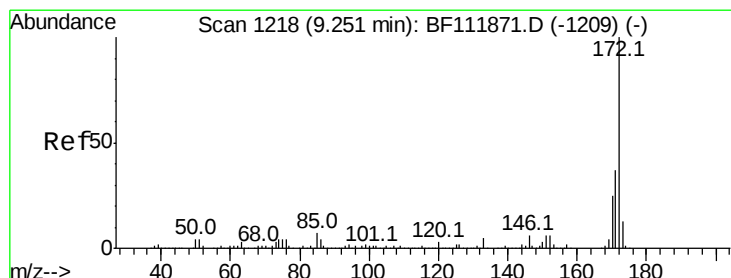
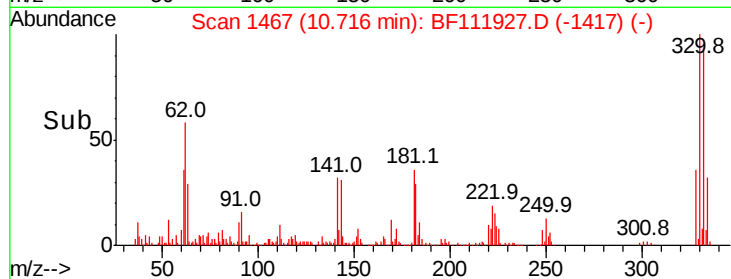
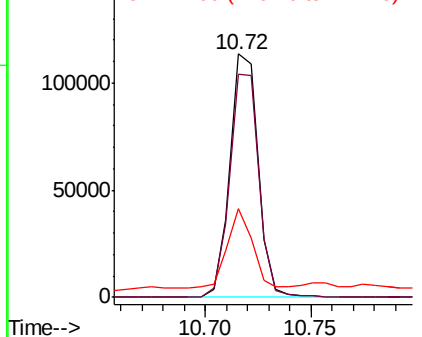


Abundance

Ion 329.80 (329.50 to 330.50): E

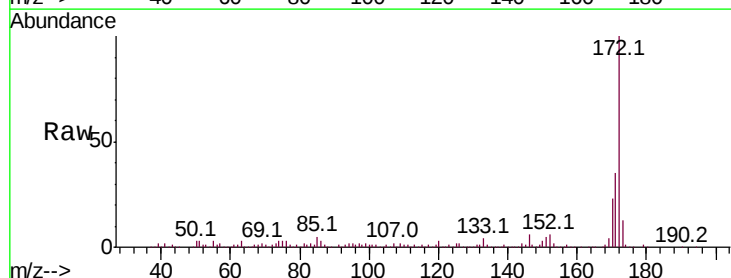
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 27.747 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF111927.D
 Acq: 9 Jan 2019 00:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.6	44.4
170	22.8	19.8	29.8

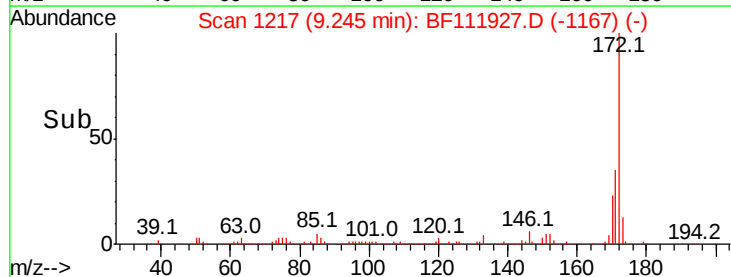
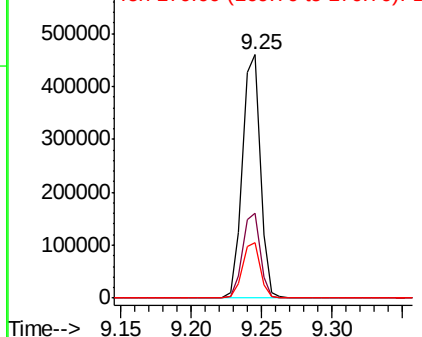


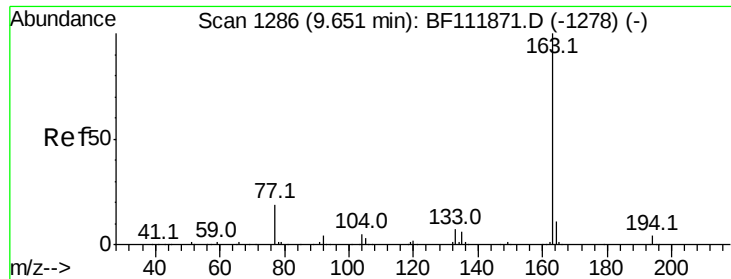
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





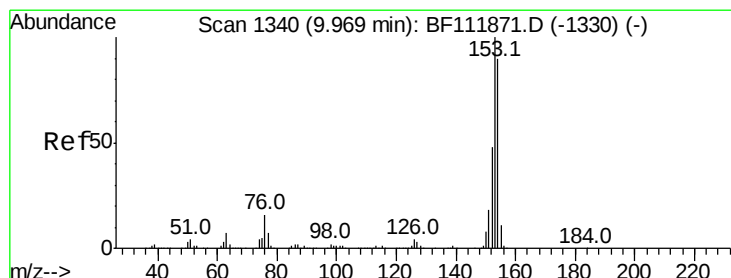
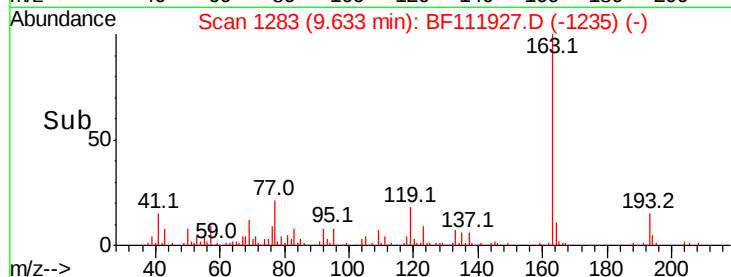
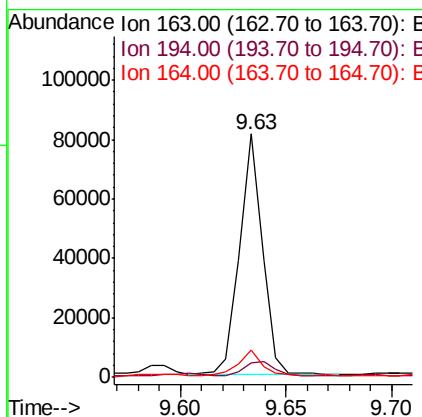
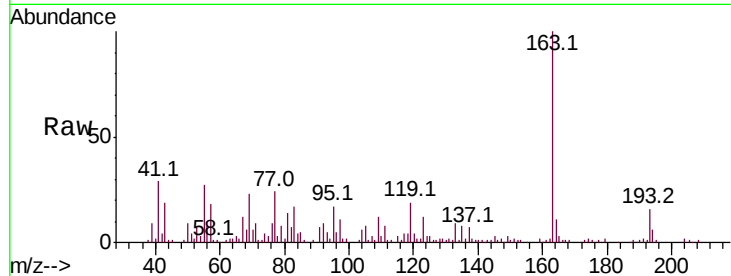
#50
Dimethylphthalate
Concen: 3.738 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

Instrument :
BNA_F
ClientSampleId :
CPSB-10(10-15)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	60479		
194	6.0	3.4	5.2#	
164	11.4	8.5	12.7	

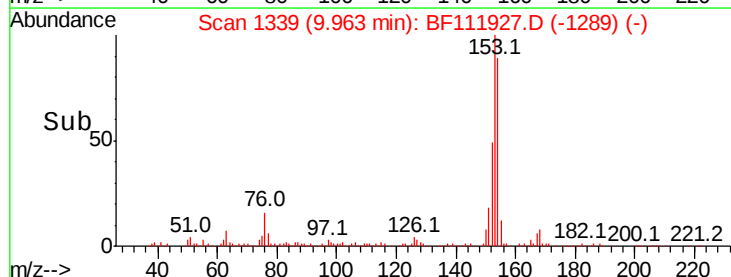
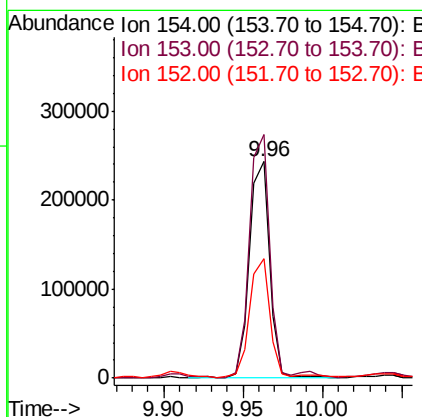
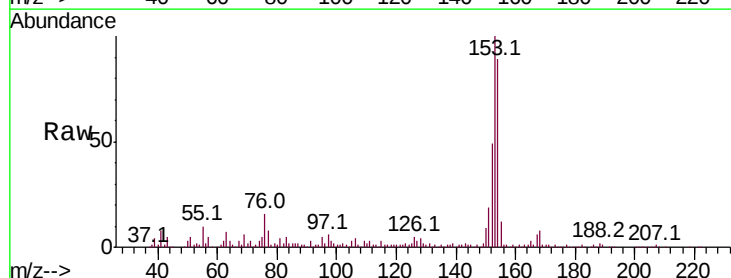
Manual Integrations
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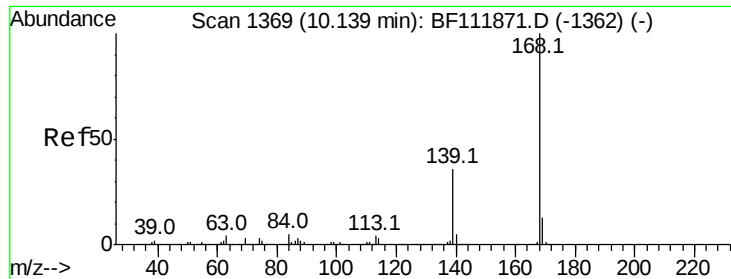
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#52
Acenaphthene
Concen: 15.847 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	213541		
153	112.4	89.4	134.0	
152	55.2	43.1	64.7	





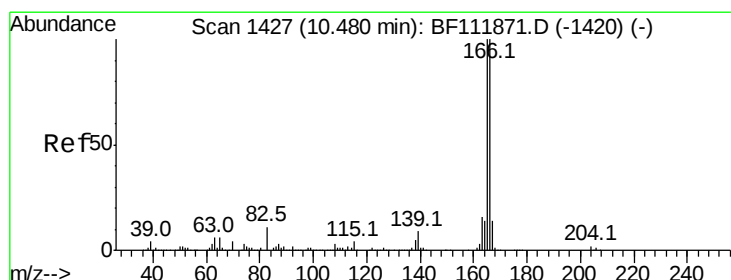
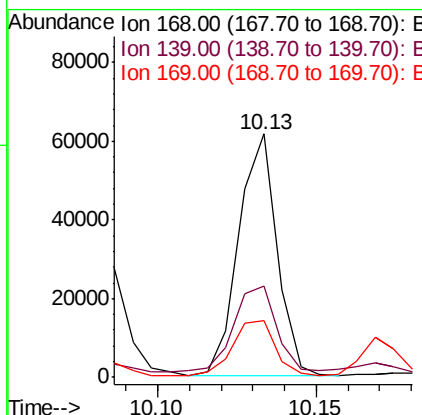
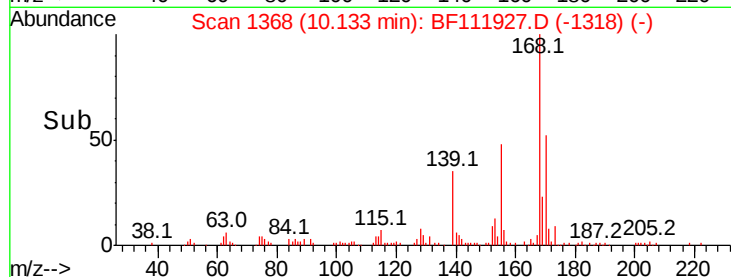
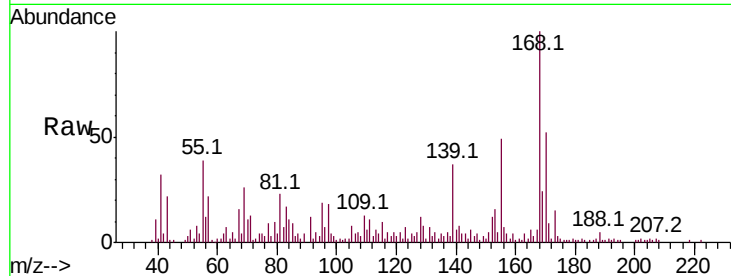
#55
Dibenzofuran
Concen: 2.630 ng
RT: 10.13 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

Instrument :
BNA_F
ClientSampleId :
CPSB-10(10-15)

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.5	29.3	43.9
169	23.5	10.6	16.0

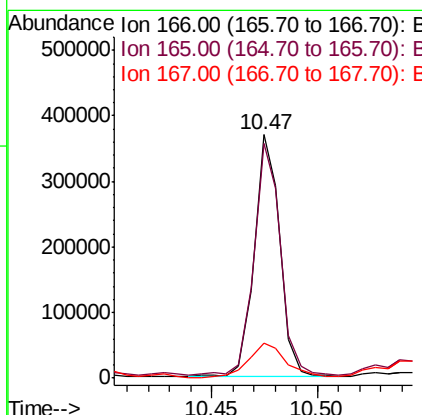
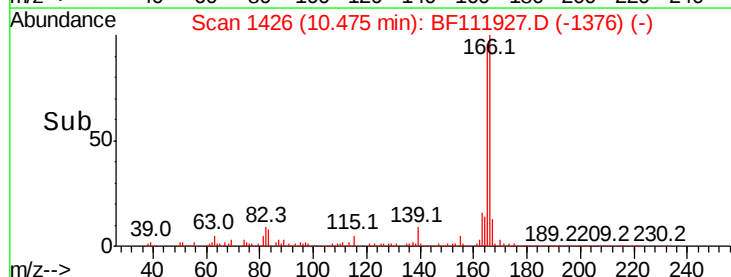
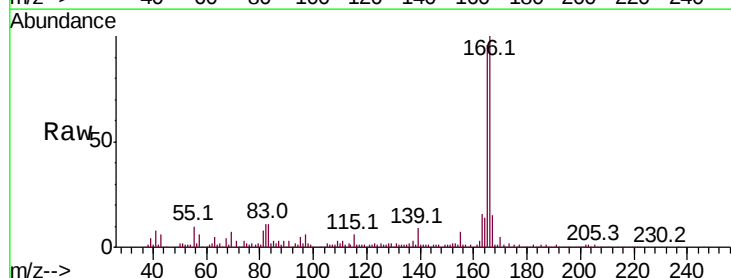
Manual Integrations
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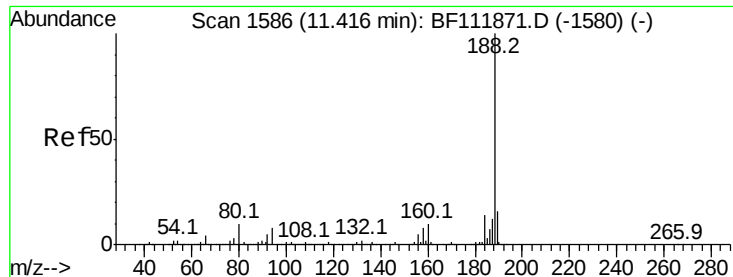
Sohil
1/9/2019 10:36:53 AM



#58
Fluorene
Concen: 21.982 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.3	79.7	119.5
167	14.5	11.1	16.7





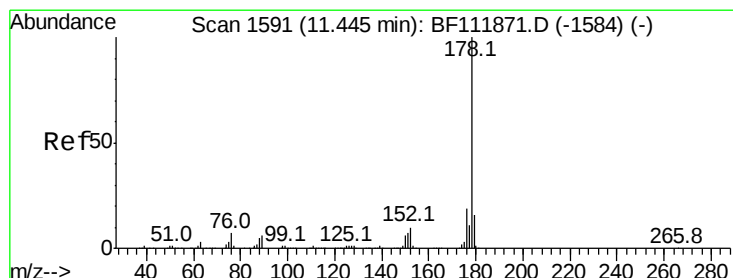
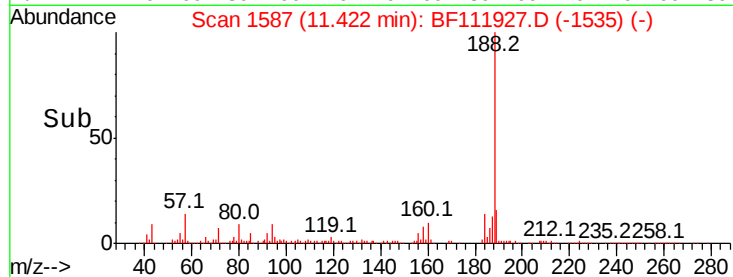
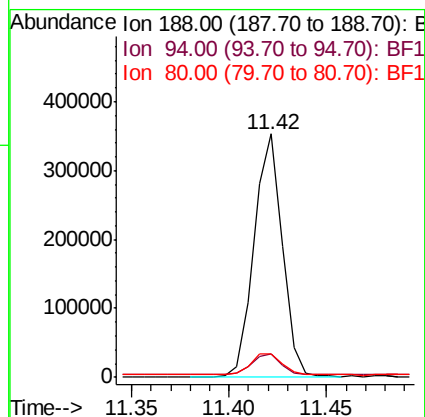
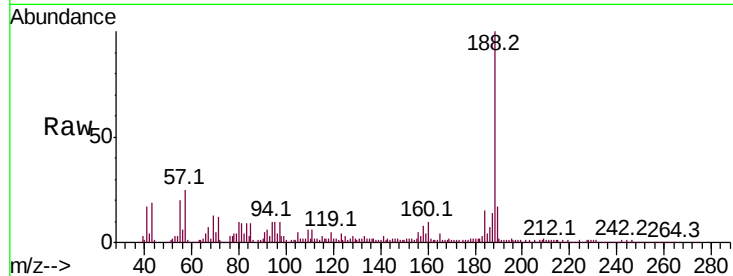
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

Instrument :
BNA_F
ClientSampleId :
CPSB-10(10-15)

Tot Ion:	188	Resp:	351415
Ion Ratio	Lower	Upper	
188	100		
94	9.6	6.6	10.0
80	9.7	7.7	11.5

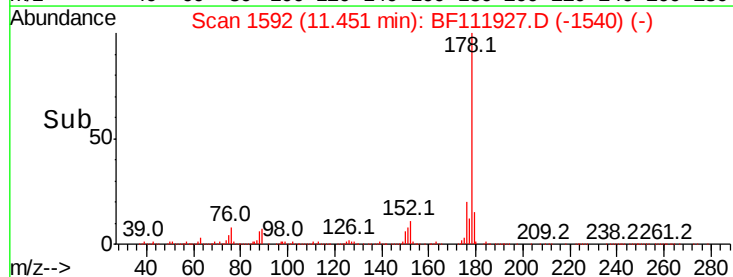
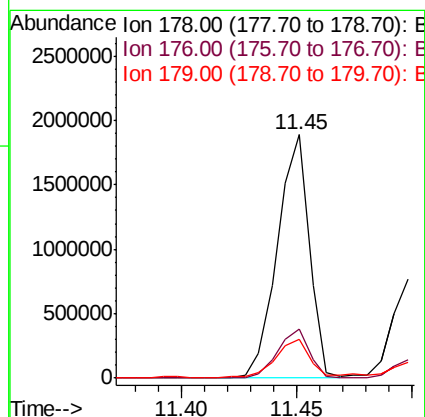
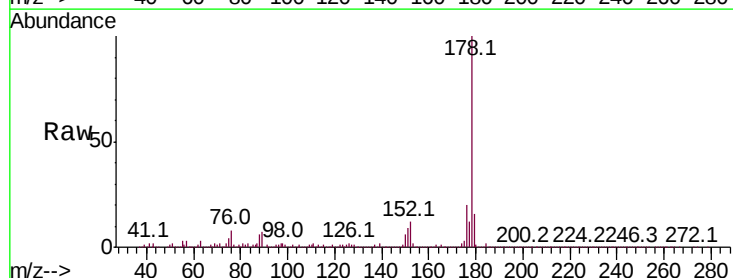
Manual Integrations
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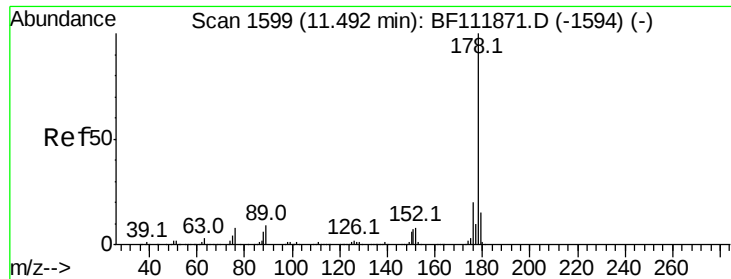
Sohil
1/9/2019 10:36:53 AM



#71
Phenanthrene
Concen: 95.569 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.01 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

Tgt Ion:	178	Resp:	1795577
Ion Ratio	Lower	Upper	
178	100		
176	20.4	15.6	23.4
179	16.0	12.6	18.8





#72

Anthracene

Concen: 31.423 ng

RT: 11.50 min Scan# 1600

Delta R.T. 0.01 min

Lab File: BF111927.D

Acq: 9 Jan 2019 00:23

Instrument :

BNA_F

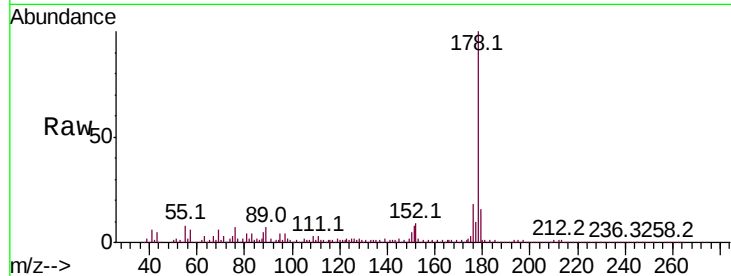
ClientSampleId :

CPSB-10(10-15)

Tot Ion:	178	Resp:	599333
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.7	23.5
179	16.1	12.4	18.6

Manual Integrations
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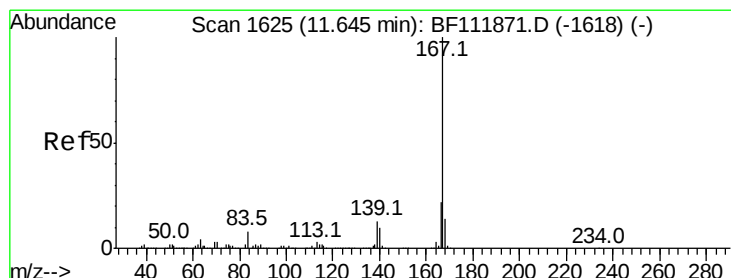
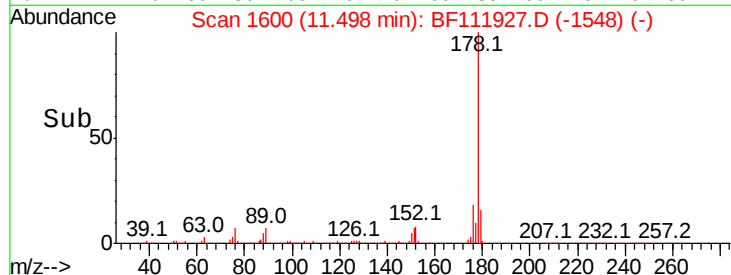
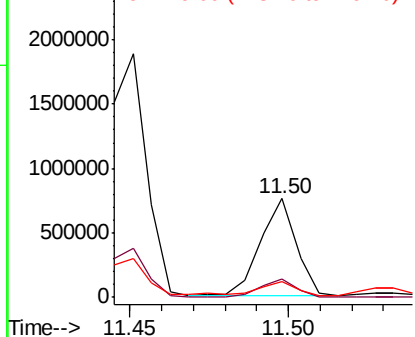


Abundance

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



#73

Carbazole

Concen: 3.028 ng

RT: 11.65 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BF111927.D

Acq: 9 Jan 2019 00:23

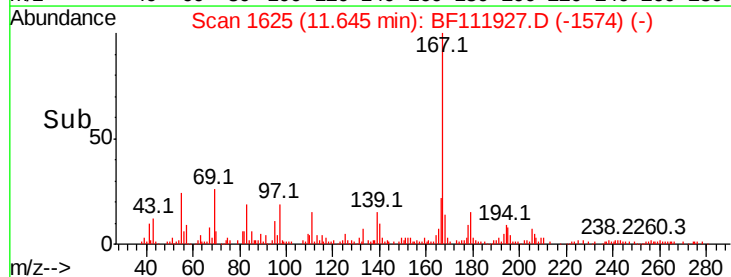
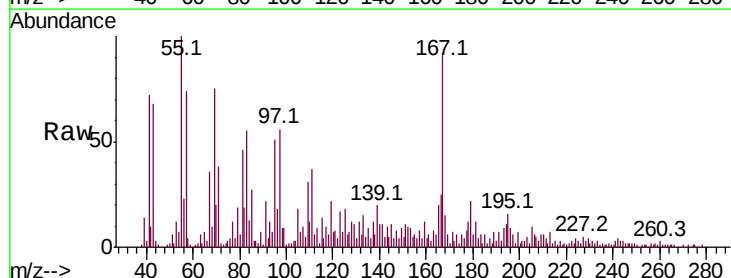
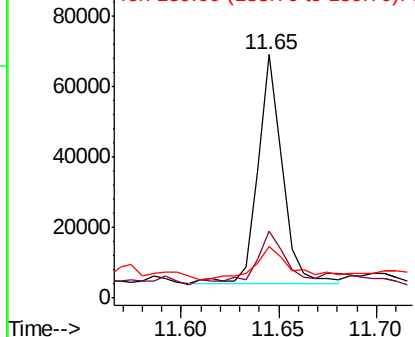
Tgt Ion:	167	Resp:	56185
Ion Ratio	Lower	Upper	
167	100		
166	27.5	17.8	26.6#
139	21.2	10.6	16.0#

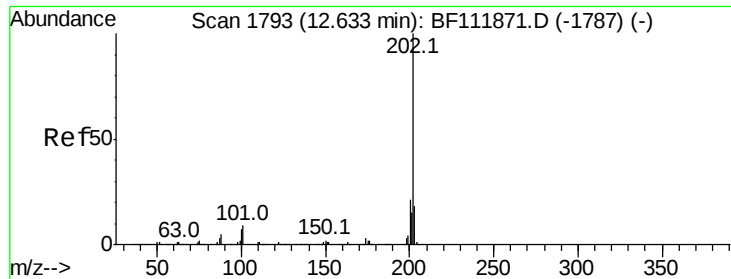
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 101.802 ng

RT: 12.64 min Scan# 1795

Delta R.T. 0.01 min

Lab File: BF111927.D

Acq: 9 Jan 2019 00:23

Instrument :

BNA_F

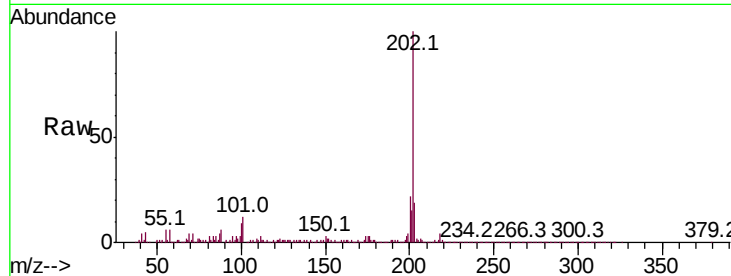
ClientSampleId :

CPSB-10(10-15)

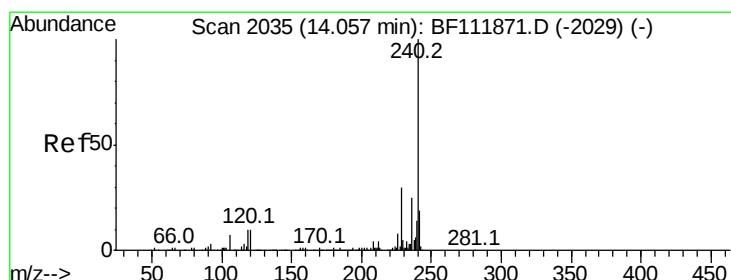
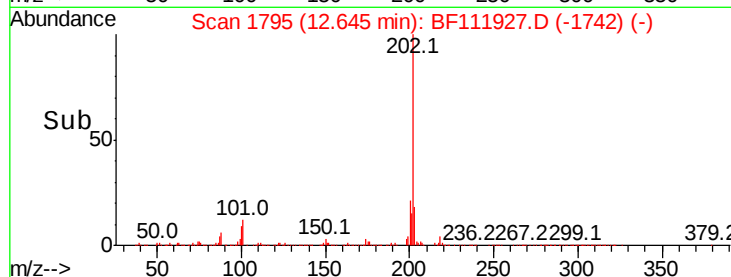
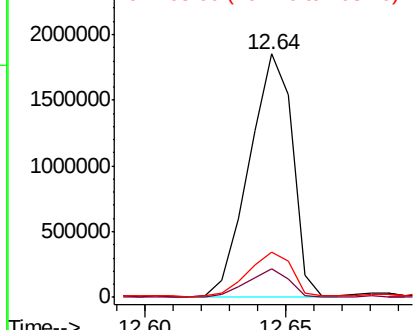
Tot Ion:	202	Resp:	1963561
Ion Ratio	Lower	Upper	
202	100		
101	11.9	0.0	29.3
203	18.6	0.0	37.6

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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: 14.07 min Scan# 2038

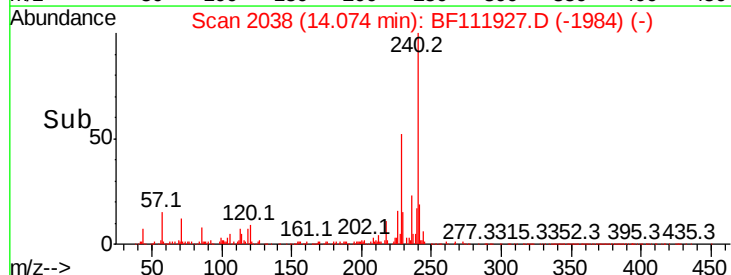
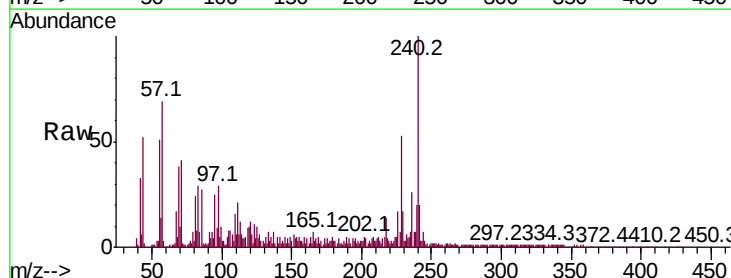
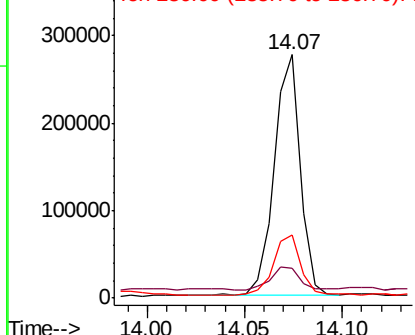
Delta R.T. 0.02 min

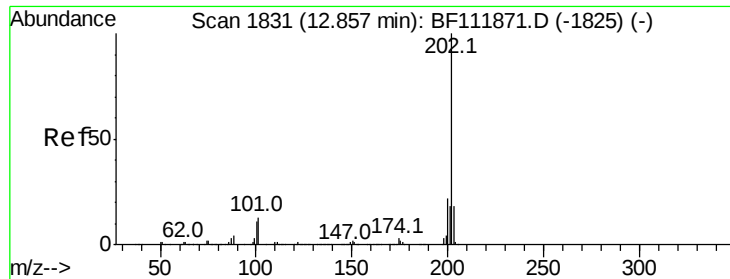
Lab File: BF111927.D

Acq: 9 Jan 2019 00:23

Tgt Ion:	240	Resp:	256519
Ion Ratio	Lower	Upper	
240	100		
120	12.3	8.2	12.2#
236	26.0	20.2	30.4

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





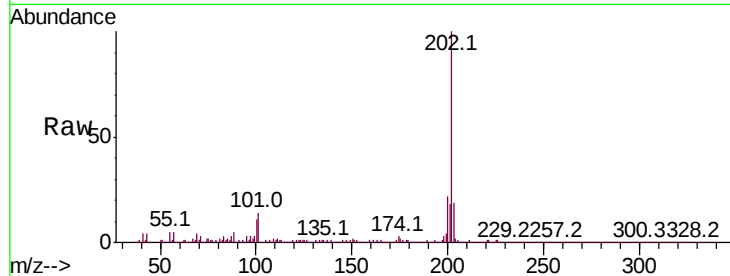
#78
Pvrene
Concen: 137.410 ng
RT: 12.88 min Scan# 1835
Delta R.T. 0.02 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

Instrument :
BNA_F
ClientSampleId :
CPSB-10(10-15)

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.5	17.4	26.2
203	19.4	14.6	21.8

Manual Integrations
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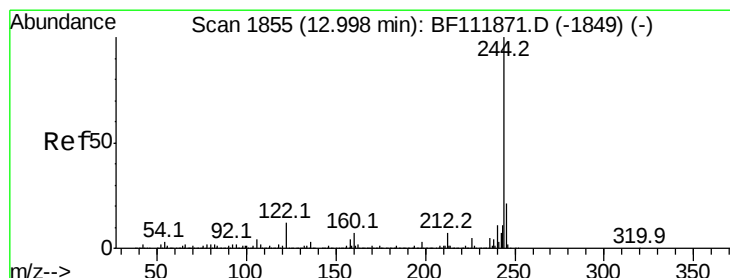
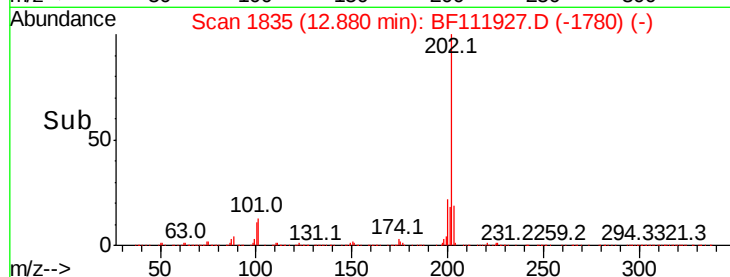
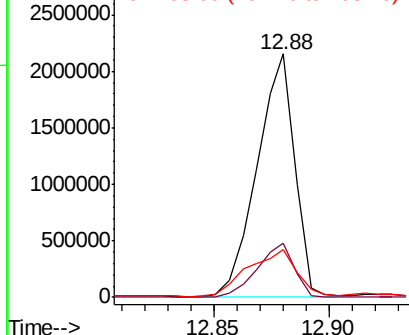


Abundance

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: 29.806 ng
RT: 13.00 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

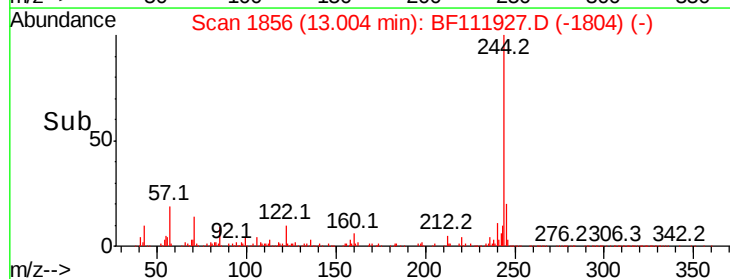
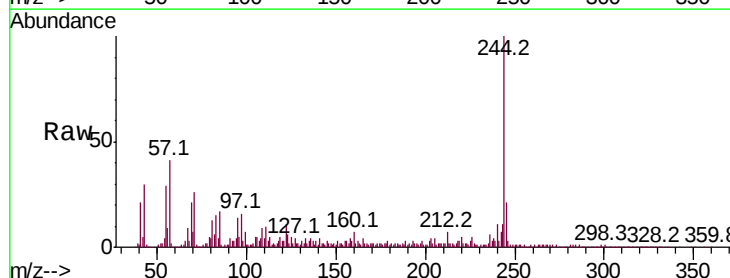
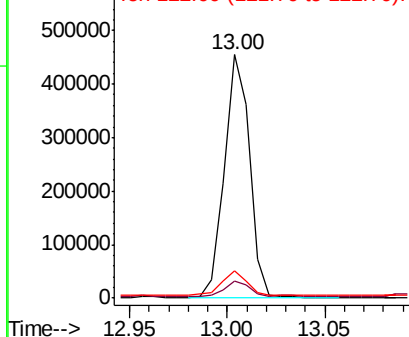
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	11.2	9.5	14.3

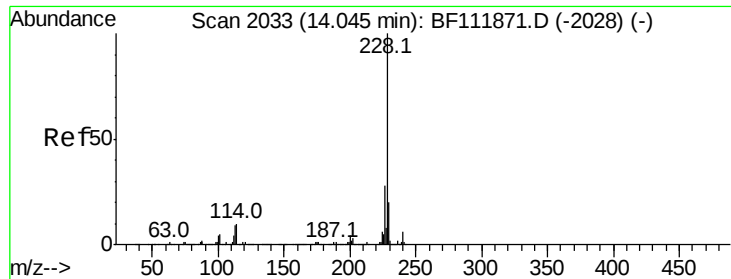
Abundance

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: 65.999 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.02 min

Lab File: BF111927.D

Acq: 9 Jan 2019 00:23

Instrument :

BNA_F

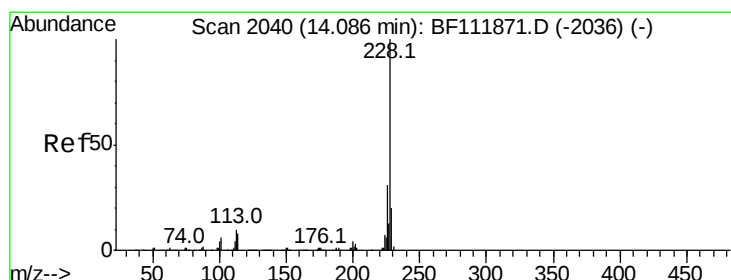
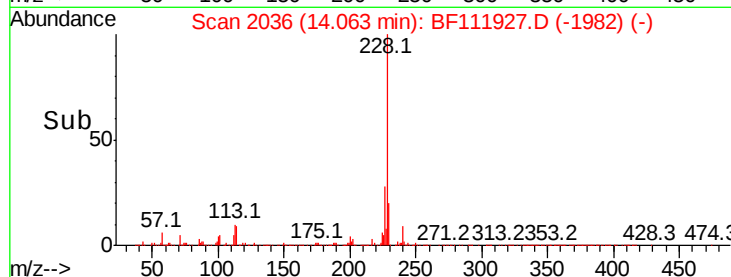
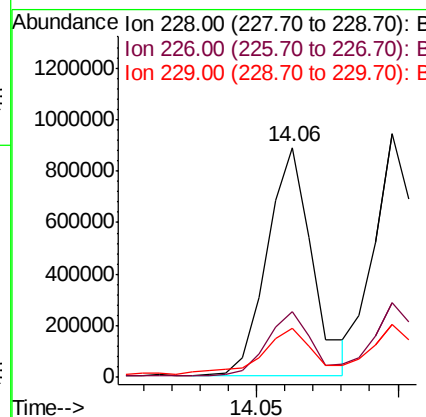
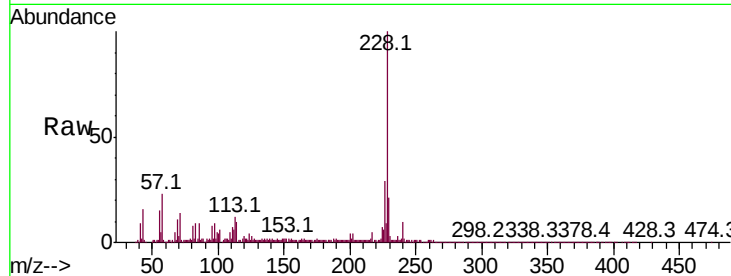
ClientSampleId :

CPSB-10(10-15)

Tot Ion:	228	Resp:	974352
Ion Ratio	Lower	Upper	
228	100		
226	28.6	22.2	33.2
229	21.4	16.2	24.2

Manual Integrations
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#83

Chrysene

Concen: 62.373 ng

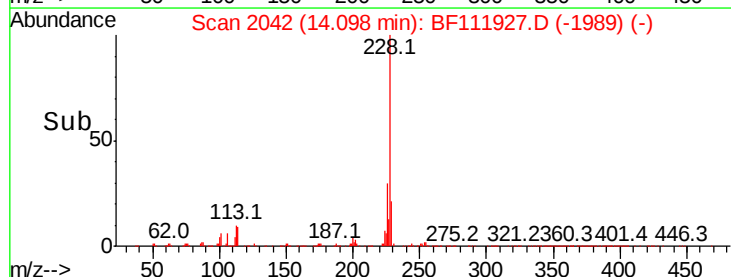
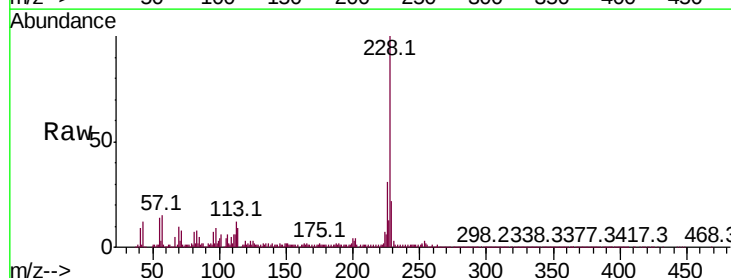
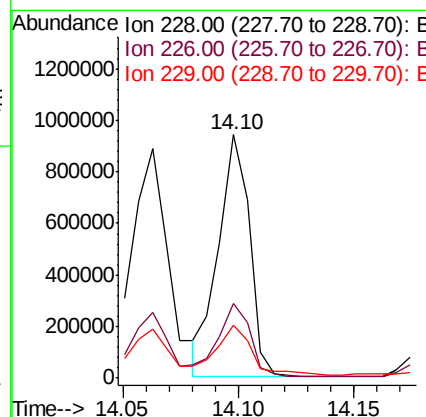
RT: 14.10 min Scan# 2042

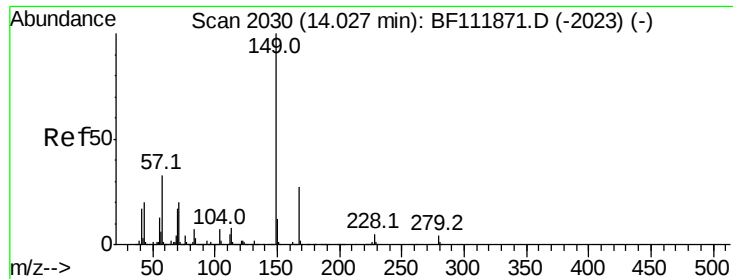
Delta R.T. 0.01 min

Lab File: BF111927.D

Acq: 9 Jan 2019 00:23

Tgt Ion:	228	Resp:	877982
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.6	37.0
229	22.0	15.7	23.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.083 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BF111927.D

Acq: 9 Jan 2019 00:23

Instrument :

BNA_F

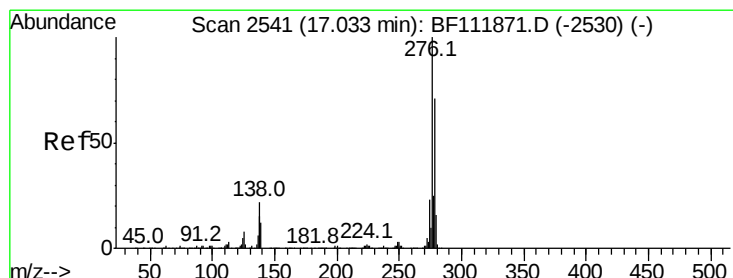
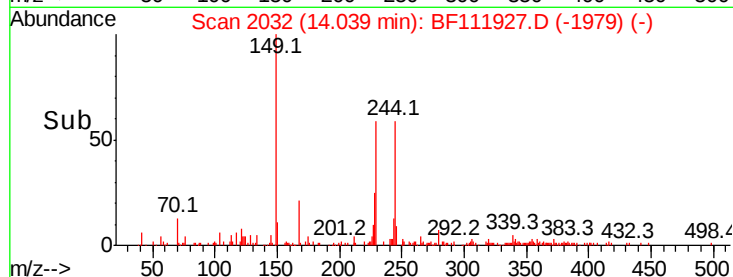
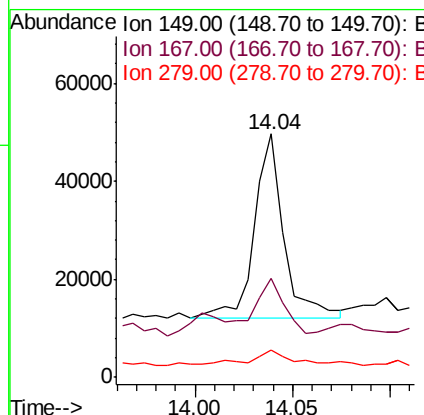
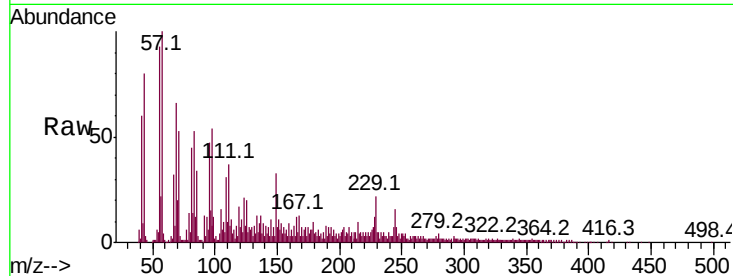
ClientSampleId :

CPSB-10(10-15)

Tot Ion	Ratio	Lower	Upper
149	100		
167	40.5	21.5	32.3#
279	11.4	3.0	4.6#

Manual Integrations
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Sohil
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#86

Indeno(1,2,3-cd)pyrene

Concen: 23.133 ng

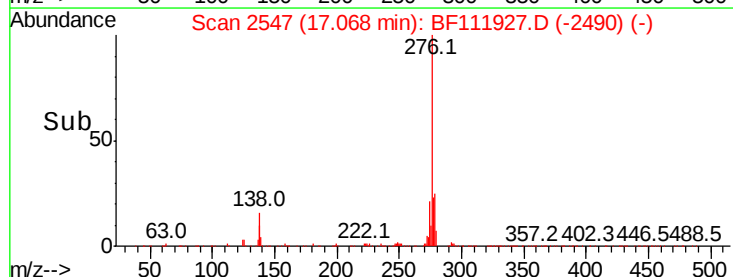
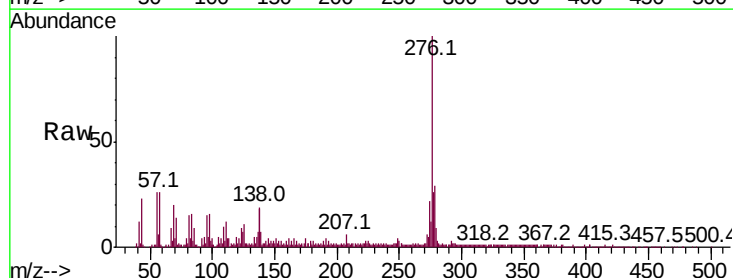
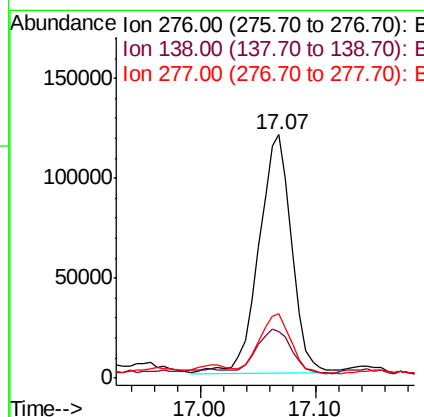
RT: 17.07 min Scan# 2547

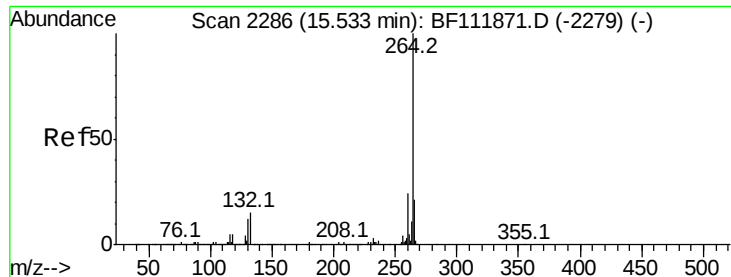
Delta R.T. 0.04 min

Lab File: BF111927.D

Acq: 9 Jan 2019 00:23

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.9	18.1	27.1
277	24.3	19.9	29.9





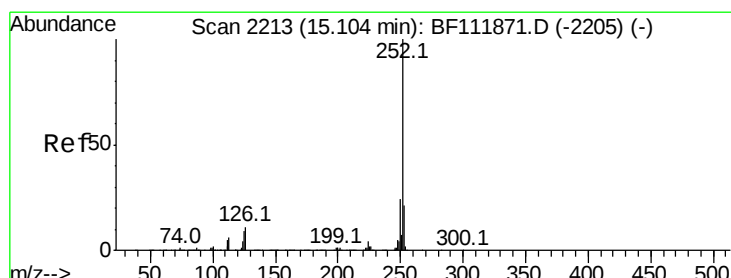
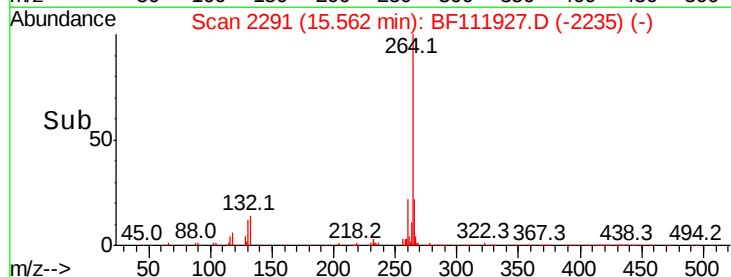
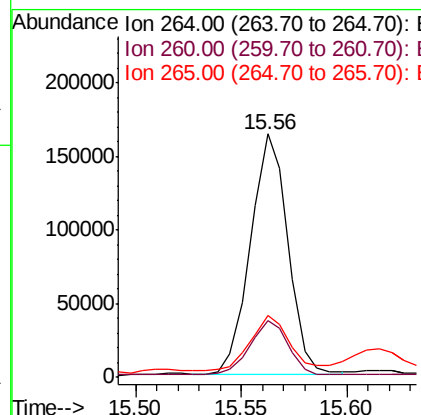
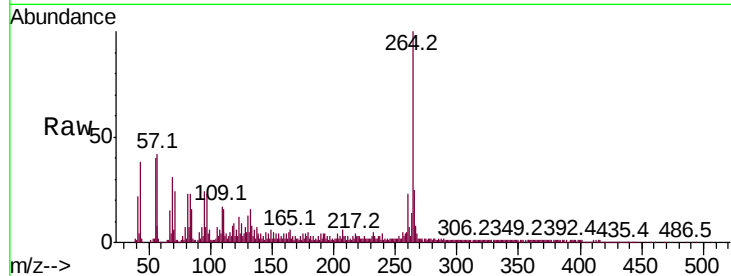
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. 0.03 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

Instrument :
BNA_F
ClientSampleId :
CPSB-10(10-15)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	25.4	17.1	25.7

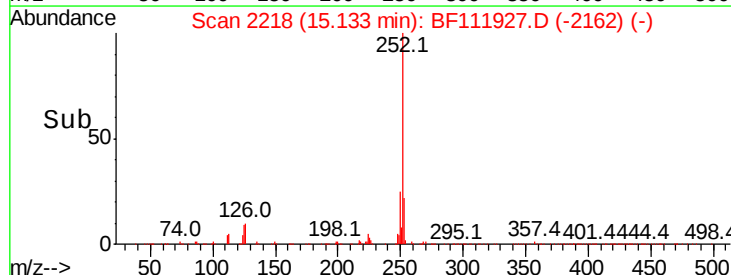
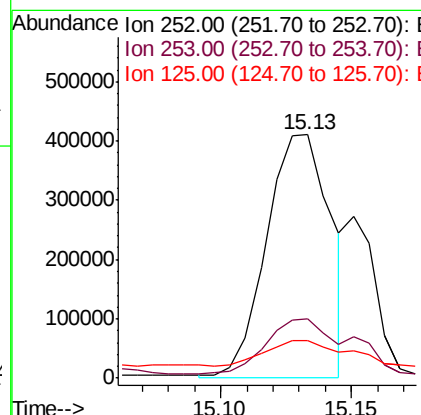
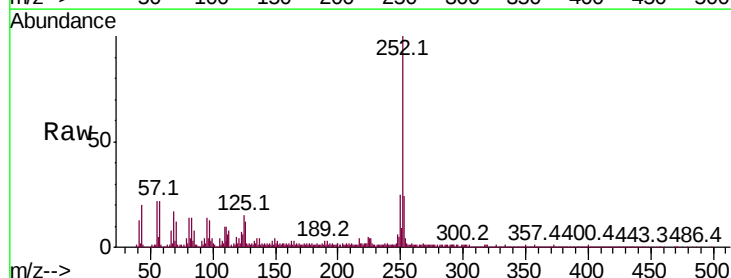
Manual Integrations
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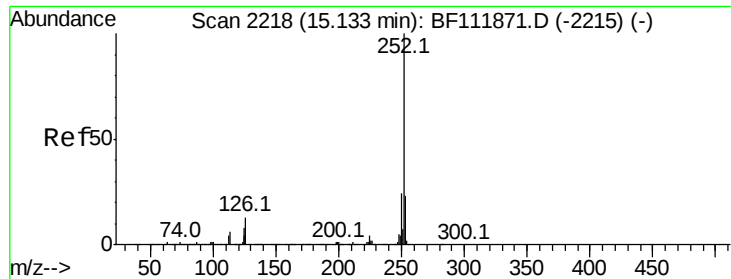
Sohil
1/9/2019 10:36:53 AM



#88
Benzo(b)fluoranthene
Concen: 58.173 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.03 min
Lab File: BF111927.D
Acq: 9 Jan 2019 00:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.6
125	15.2	7.1	10.7#





#89

Benzo(k)fluoranthene

Concen: 18.978 ng

RT: 15.15 min Scan# 2221

Delta R.T. 0.02 min

Lab File: BF111927.D

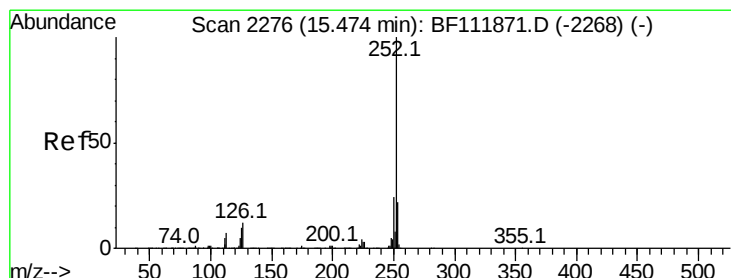
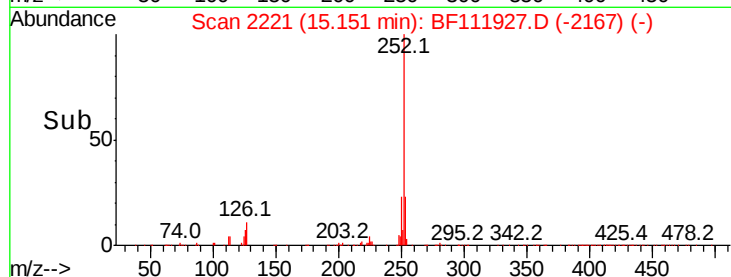
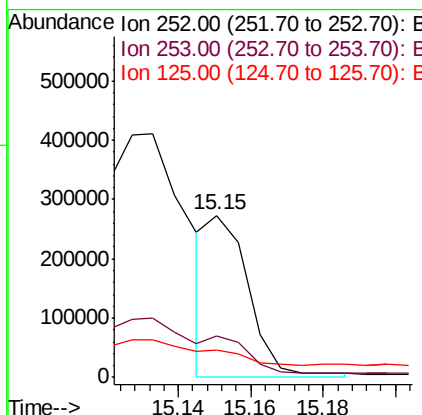
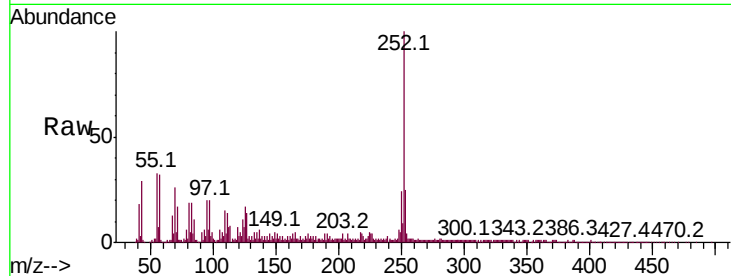
Acq: 9 Jan 2019 00:23

Instrument :
BNA_F
ClientSampleId :
CPSB-10(10-15)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.8	26.6
125	16.8	7.0	10.4

Manual Integrations
APPROVED

Sohil
1/9/2019 10:36:53 AM



#90

Benzo(a)pyrene

Concen: 49.370 ng

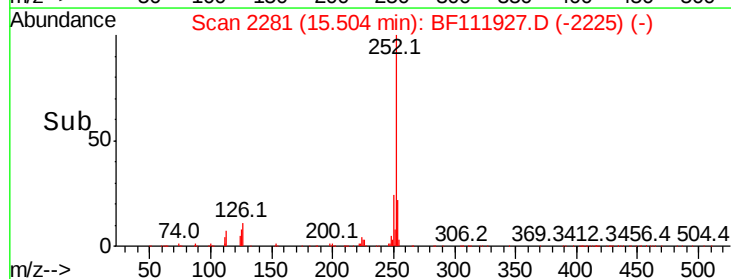
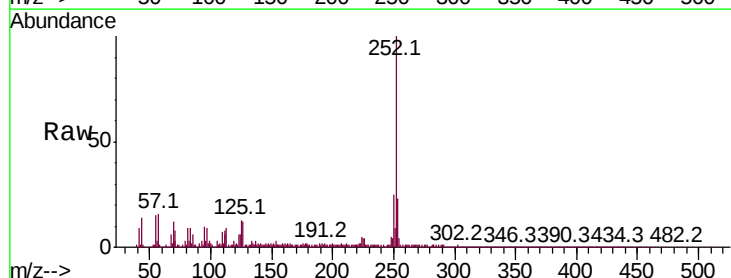
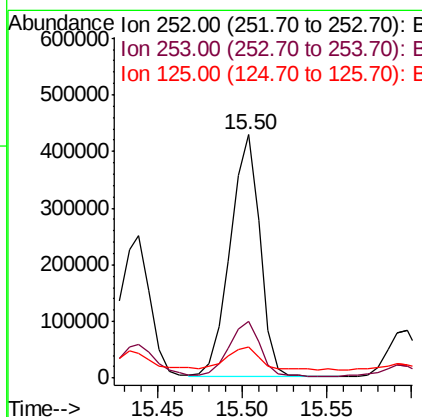
RT: 15.50 min Scan# 2281

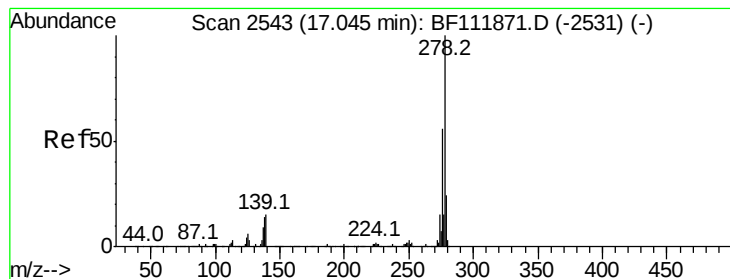
Delta R.T. 0.03 min

Lab File: BF111927.D

Acq: 9 Jan 2019 00:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	12.6	7.9	11.9





#91

Dibenzo(a,h)anthracene

Concen: 7.802 ng

RT: 17.07 min Scan# 2548

Delta R.T. 0.03 min

Lab File: BF111927.D

Acq: 9 Jan 2019 00:23

Instrument :

BNA_F

ClientSampleId :

CPSB-10(10-15)

Tot Ion:278 Resp: 66432

Ion Ratio Lower Upper

278 100

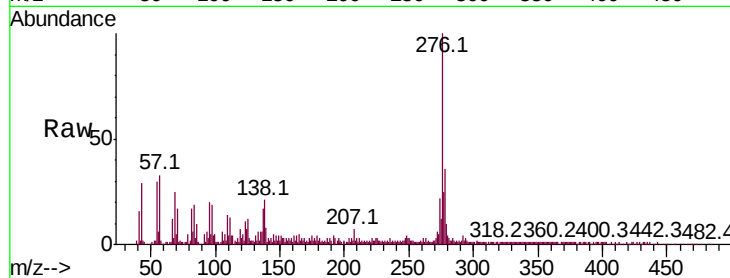
139 21.1 11.8 17.6#

279 28.0 19.4 29.2

Manual Integrations
APPROVED

Sohil

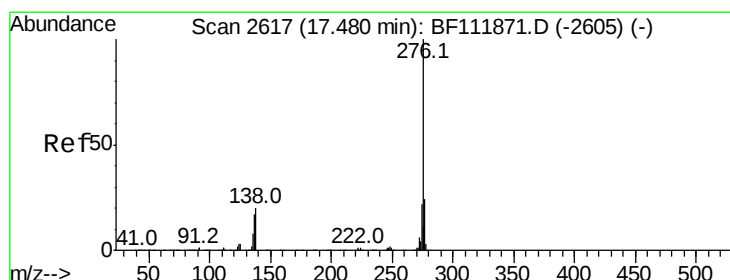
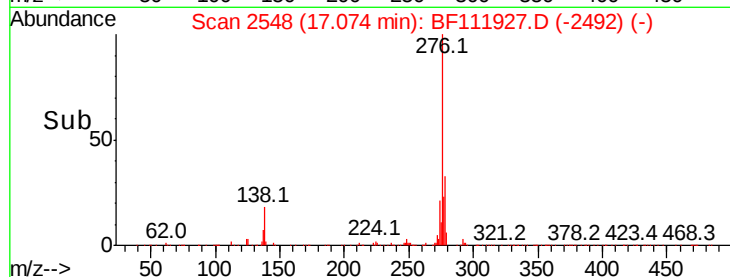
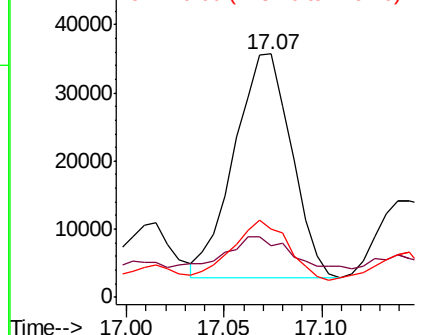
1/9/2019 10:36:53 AM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 29.737 ng

RT: 17.52 min Scan# 2624

Delta R.T. 0.04 min

Lab File: BF111927.D

Acq: 9 Jan 2019 00:23

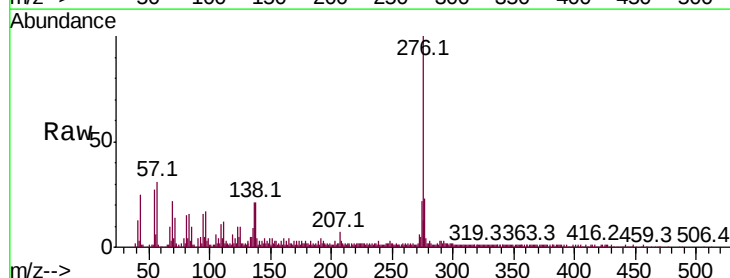
Tgt Ion:276 Resp: 247651

Ion Ratio Lower Upper

276 100

277 23.5 19.0 28.6

138 20.8 16.2 24.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

