

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
 Data File : BF112005.D
 Acq On : 10 Jan 2019 23:22
 Operator : JU/SJ
 Sample : K1071-02 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-17(20-25)

Manual Integrations
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Sohil
 1/11/2019 4:43:01 PM

Quant Time: Jan 11 03:00:40 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	97400	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	194599	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	108433	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	258264	20.00	ng	0.00
76) Chrysene-d12	14.04	240	217846	20.00	ng	-0.01
87) Perylene-d12	15.53	264	158219	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	352407	61.90	ng	-0.02
7) Phenol-d6	6.52	99	525175	71.57	ng	-0.02
23) Nitrobenzene-d5	7.45	82	499809	137.27	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	93359	66.19	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	318896	42.88	ng	0.00
79) Terphenyl-d14	12.99	244	511825	44.60	ng	-0.01
Target Compounds						
10) Phenol	6.53	94	33779	4.235	ng	88
37) 2-Methylnaphthalene	8.90	142	273182	47.725	ng	# 94
38) 1-Methylnaphthalene	9.00	142	315790	57.519	ng	# 99
52) Acenaphthene	9.97	154	99123	14.610	ng	# 76
55) Dibenzofuran	10.14	168	155439	15.753	ng	# 62
58) Fluorene	10.48	166	180002	25.070	ng	# 96
71) Phenanthrene	11.43	178	523204	37.891	ng	99
72) Anthracene	11.48	178	74539m	5.318	ng	
73) Carbazole	11.63	167	56856	4.170	ng	96
75) Fluoranthene	12.62	202	294185	20.753	ng	99
78) Pyrene	12.84	202	224528	14.979	ng	99
81) Benzo(a)anthracene	14.03	228	63853	5.093	ng	98
83) Chrysene	14.07	228	52842m	4.420	ng	
84) Bis(2-ethylhexyl)phthalate	14.02	149	433080	52.039	ng	# 98
86) Indeno(1,2,3-cd)pyrene	17.01	276	20833	2.390	ng	94
88) Benzo(b)fluoranthene	15.09	252	45913m	4.851	ng	
90) Benzo(a)pyrene	15.46	252	30272	3.638	ng	# 73
92) Benzo(g,h,i)perylene	17.47	276	20781	3.174	ng	# 78

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

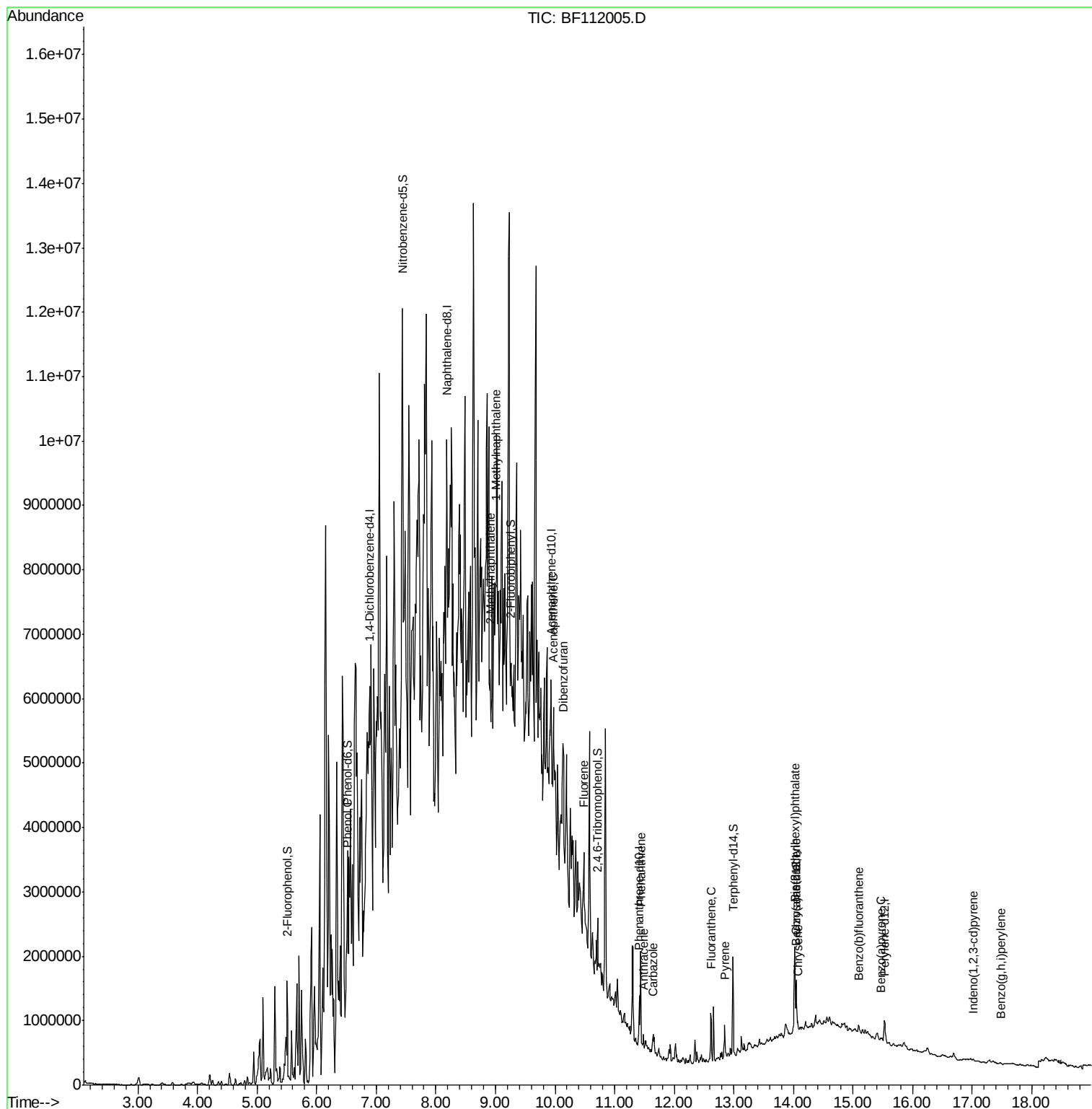
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
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ALS Vial : 25 Sample Multiplier: 1

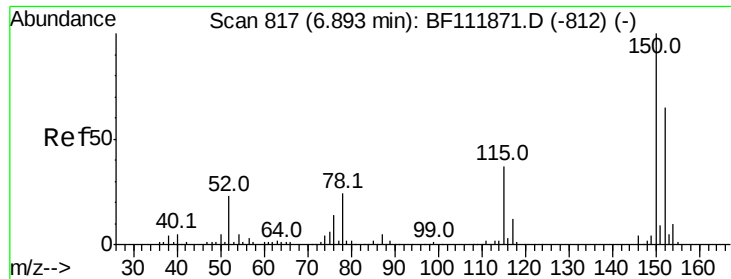
Instrument :
BNA_F
ClientSampleId :
CPSB-17(20-25)

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#1

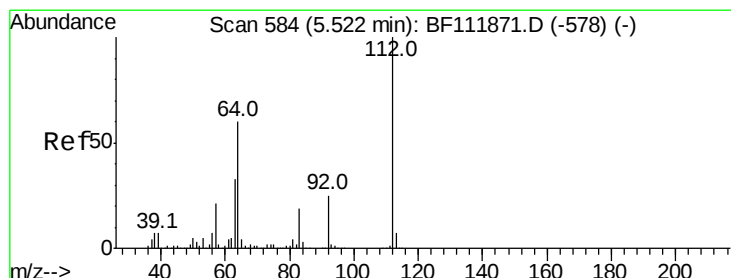
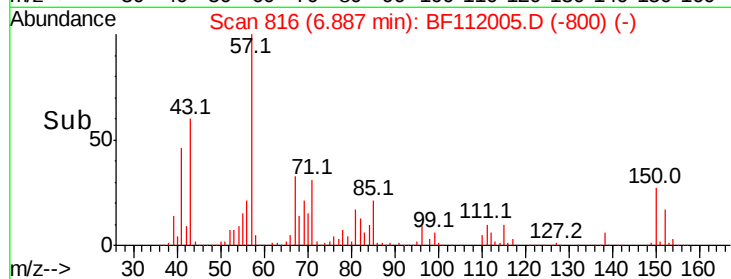
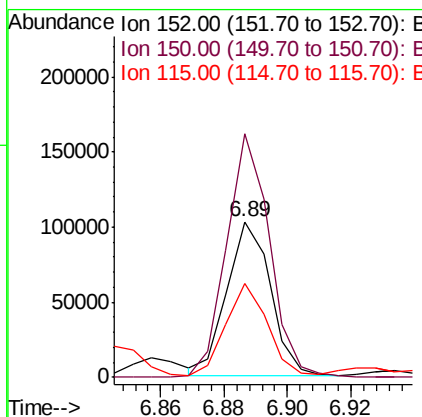
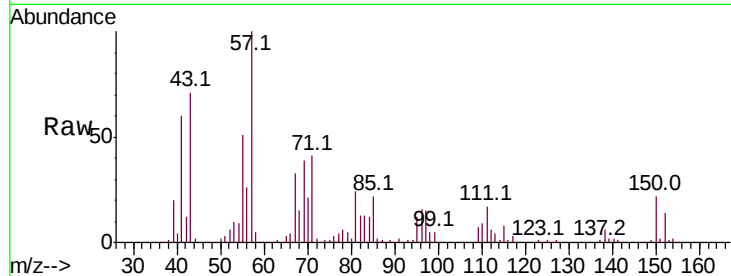
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF112005.D
Acq: 10 Jan 2019 23:22

Instrument :
BNA_F
ClientSampleId :
CPSB-17(20-25)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	122.7	184.1
115	60.6	45.2	67.8

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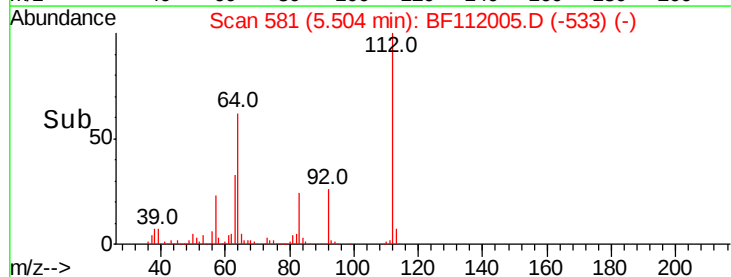
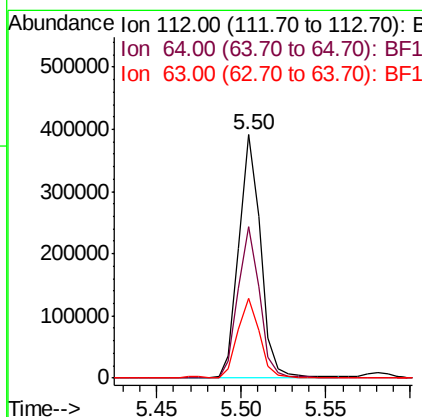
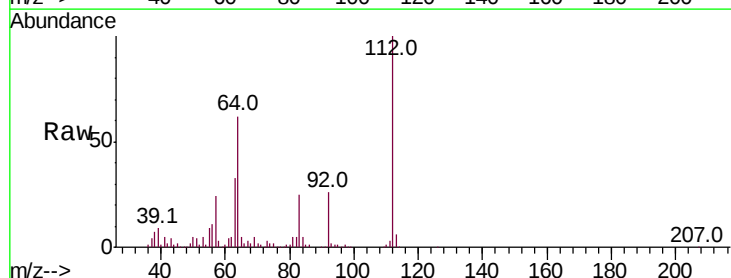
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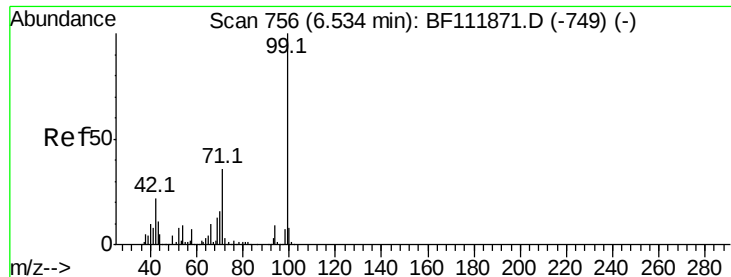


#5

2-Fluorophenol
Concen: 61.900 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.02 min
Lab File: BF112005.D
Acq: 10 Jan 2019 23:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	48.3	72.5
63	32.9	26.1	39.1





#7

Phenol-d6

Concen: 71.571 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.02 min

Lab File: BF112005.D

Acq: 10 Jan 2019 23:22

Instrument :

BNA_F

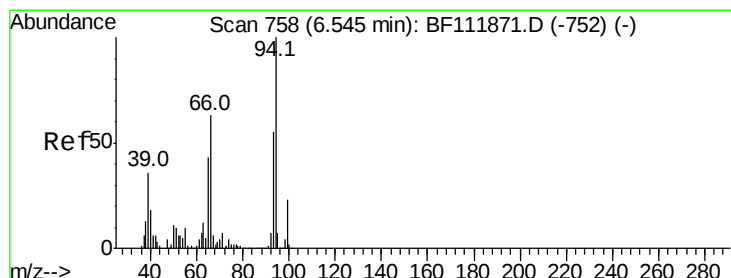
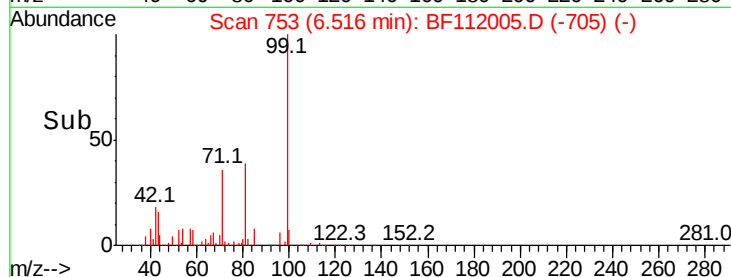
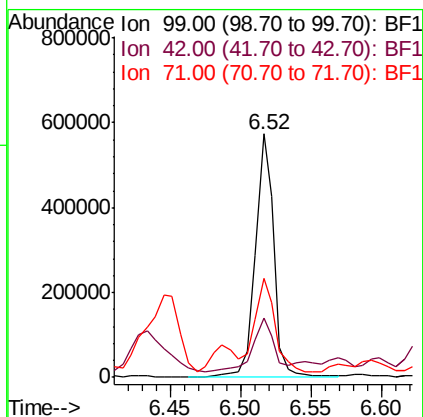
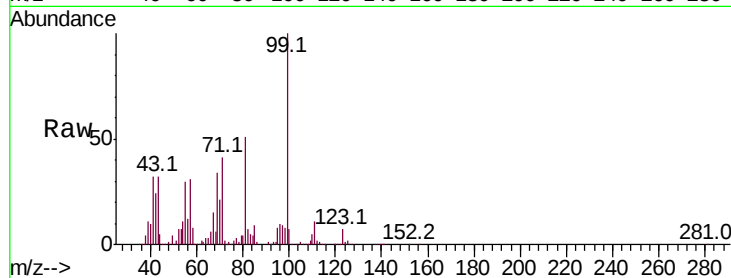
ClientSampleId :

CPSB-17(20-25)

Tot Ion:	99	Resp:	525175
Ion Ratio	Lower	Upper	
99	100		
42	24.4	17.9	26.9
71	40.5	28.7	43.1

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#10

Phenol

Concen: 4.235 ng

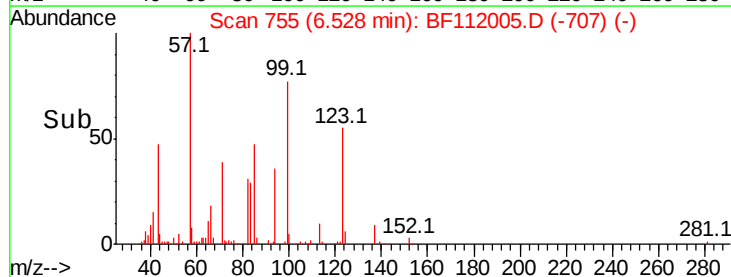
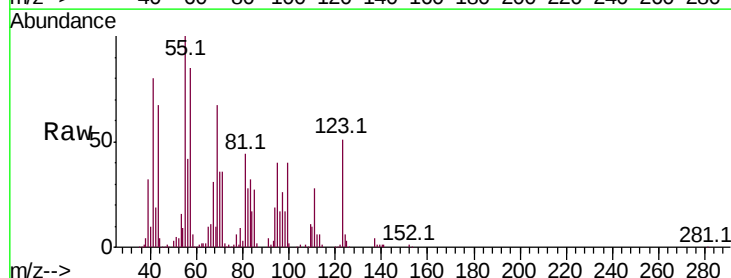
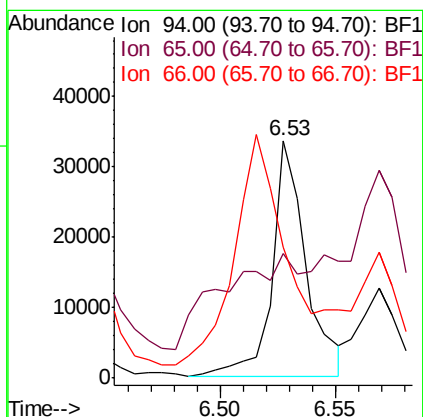
RT: 6.53 min Scan# 755

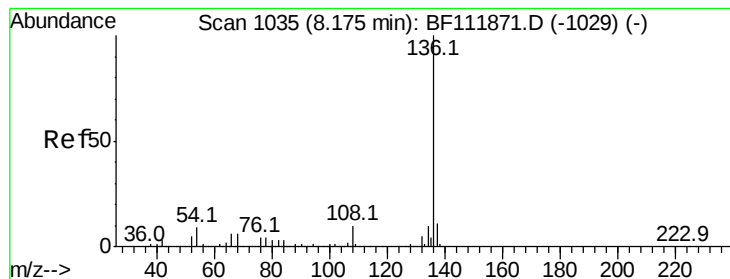
Delta R.T. -0.02 min

Lab File: BF112005.D

Acq: 10 Jan 2019 23:22

Tgt Ion:	94	Resp:	33779
Ion Ratio	Lower	Upper	
94	100		
65	52.5	22.8	62.8
66	55.2	43.3	83.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. 0.01 min

Lab File: BF112005.D

Acq: 10 Jan 2019 23:22

Instrument :

BNA_F

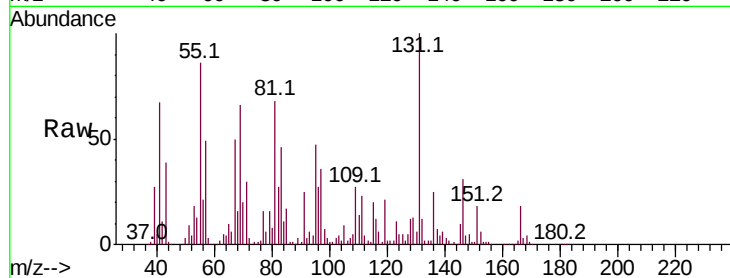
ClientSampled :

CPSB-17(20-25)

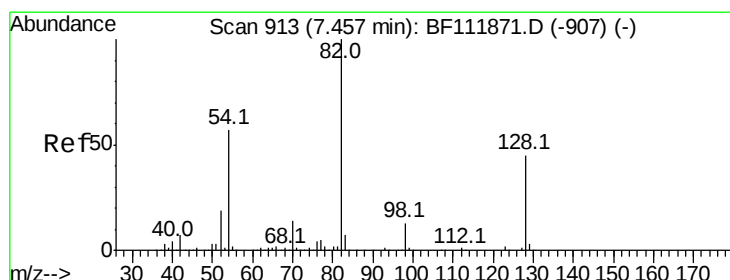
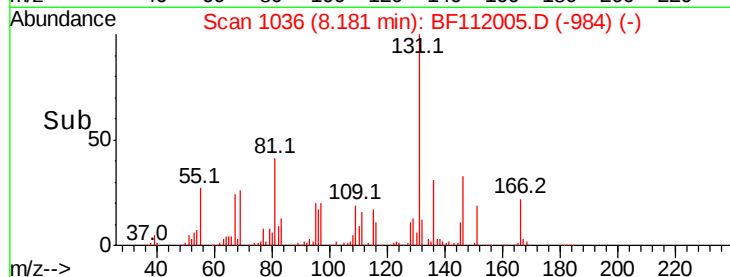
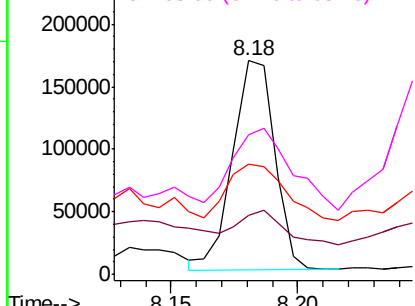
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	27.6	9.1	13.7#	
54	51.3	7.2	10.8#	
68	65.1	4.4	6.6#	

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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: 137.269 ng

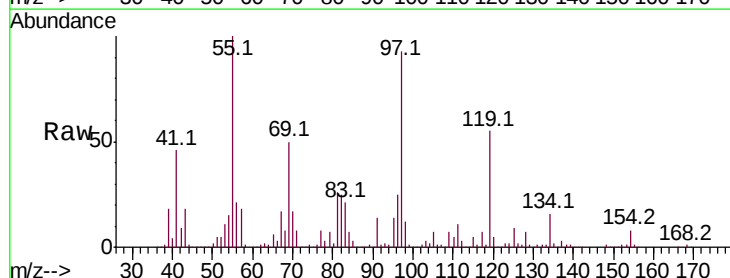
RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

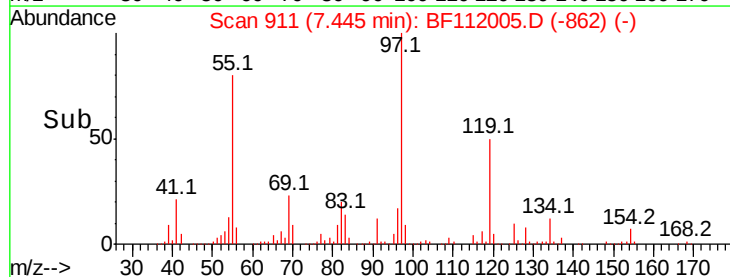
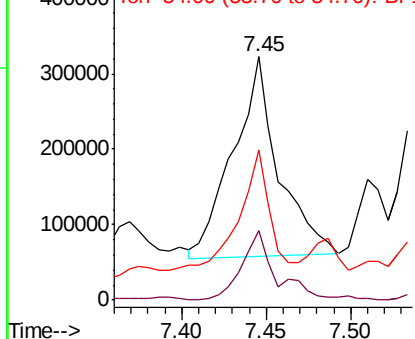
Lab File: BF112005.D

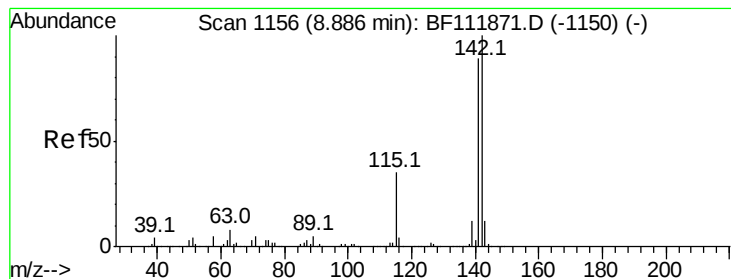
Acq: 10 Jan 2019 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	28.8	35.7	53.5#	
54	61.6	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





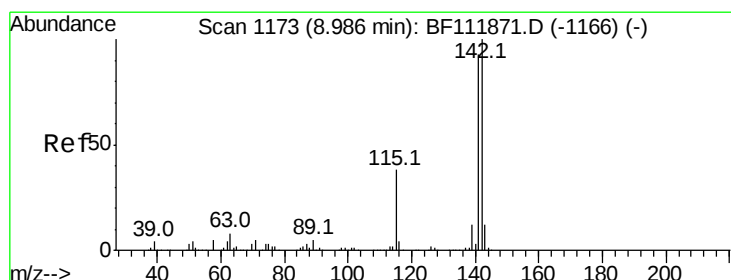
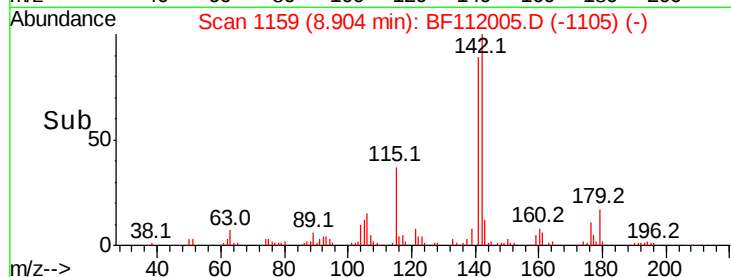
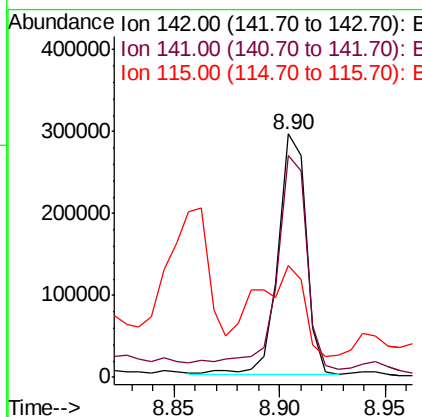
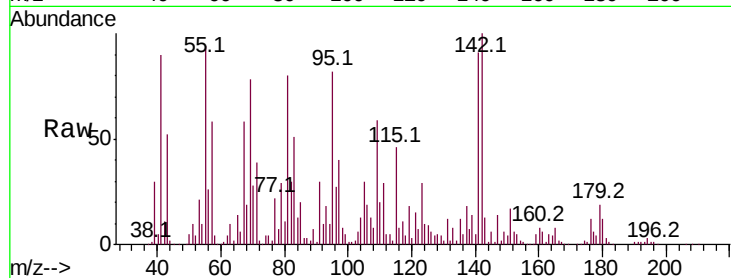
#37
2-Methylnaphthalene
Concen: 47.725 ng
RT: 8.90 min Scan# 1159
Delta R.T. 0.02 min
Lab File: BF112005.D
Acq: 10 Jan 2019 23:22

Instrument :
BNA_F
ClientSampleId :
CPSB-17(20-25)

Tot Ion	Ratio	Lower	Upper
142	100		
141	91.0	71.4	107.2
115	45.8	28.3	42.5#

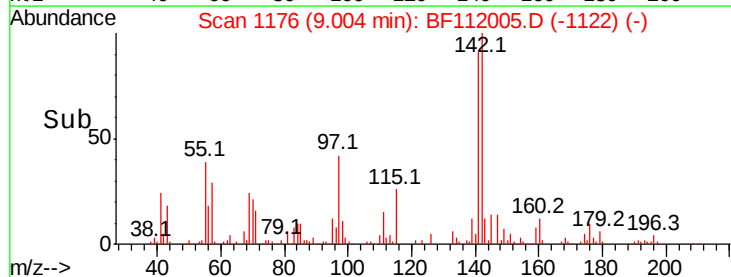
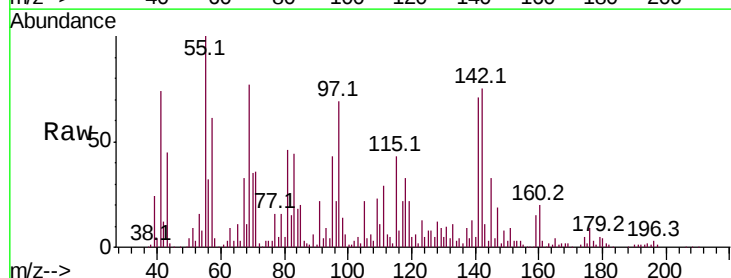
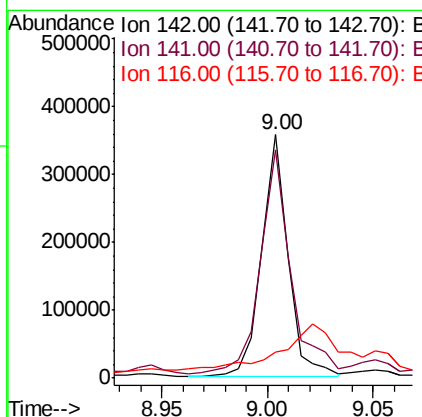
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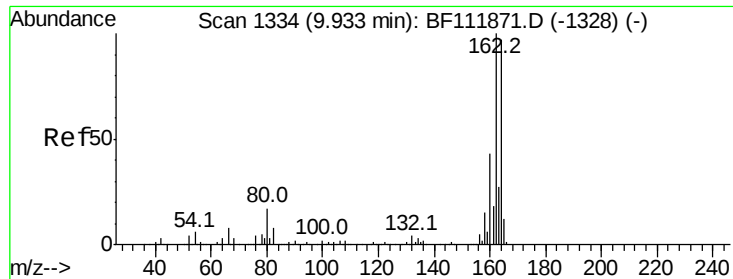
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#38
1-Methylnaphthalene
Concen: 57.519 ng
RT: 9.00 min Scan# 1176
Delta R.T. 0.02 min
Lab File: BF112005.D
Acq: 10 Jan 2019 23:22

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.9	74.8	112.2
116	10.7	3.1	4.7#





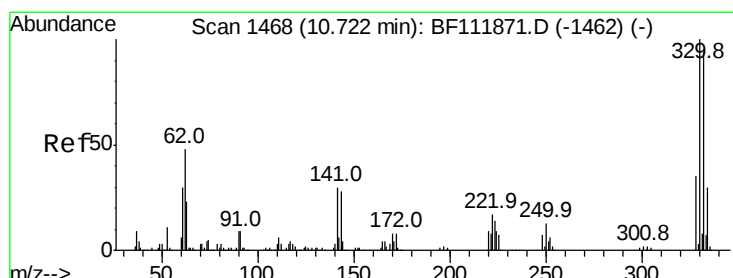
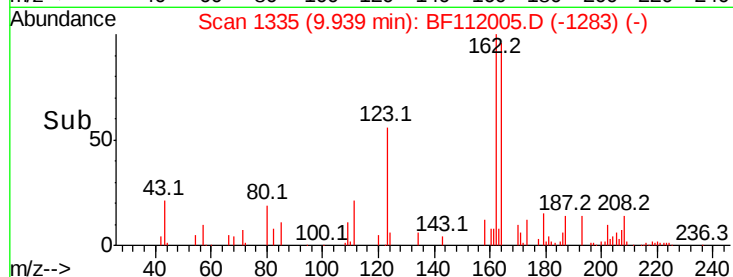
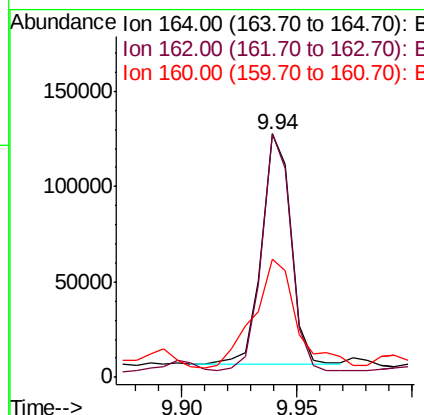
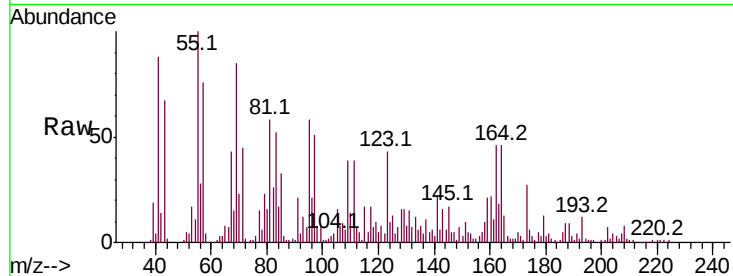
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.01 min
Lab File: BF112005.D
Acq: 10 Jan 2019 23:22

Instrument :
BNA_F
ClientSampleId :
CPSB-17(20-25)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.9	82.2	123.2	
160	48.5	35.5	53.3	

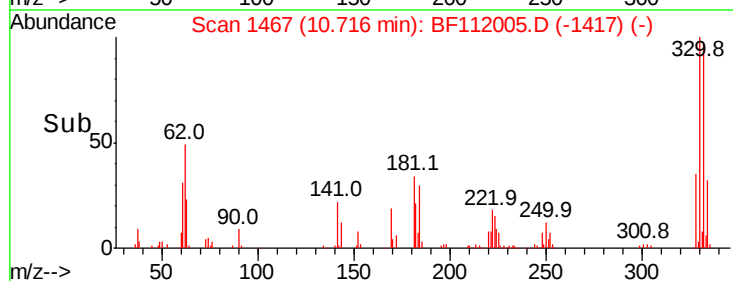
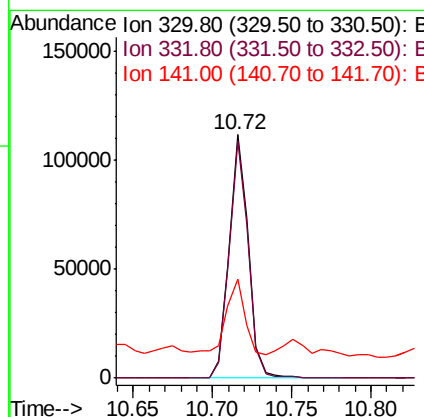
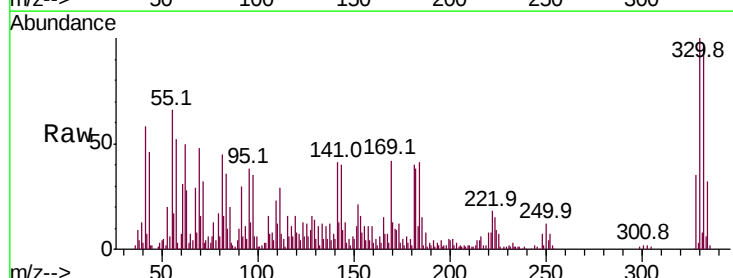
Manual Integrations
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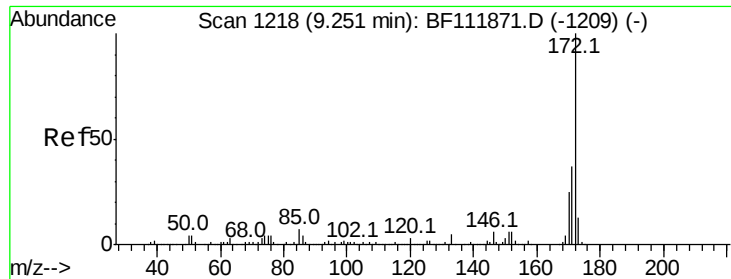
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#42
2,4,6-Tribromophenol
Concen: 66.194 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.01 min
Lab File: BF112005.D
Acq: 10 Jan 2019 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	76.9	115.3	
141	29.6	23.7	35.5	





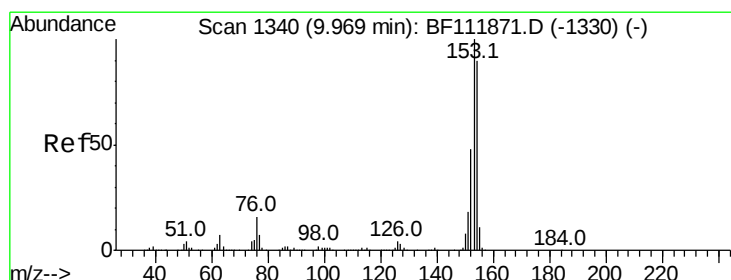
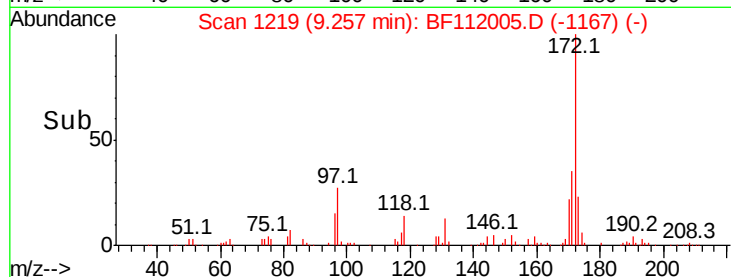
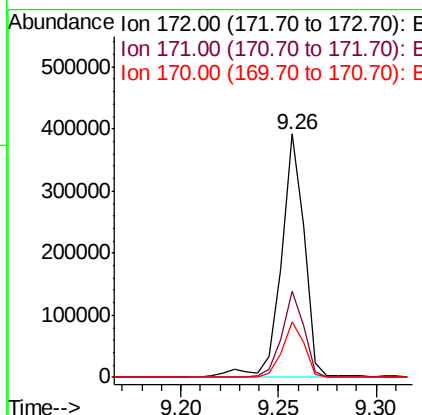
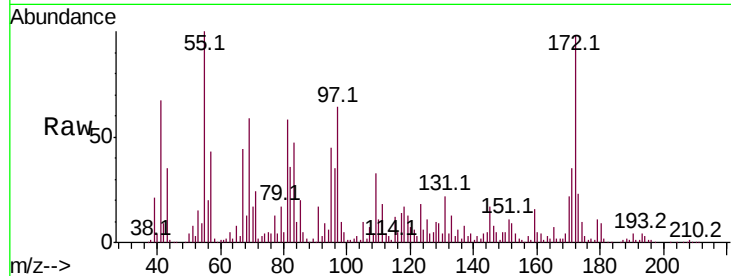
#45
2-Fluorobiphenyl
Concen: 42.885 ng
RT: 9.26 min Scan# 1219
Delta R.T. 0.01 min
Lab File: BF112005.D
Acq: 10 Jan 2019 23:22

Instrument :
BNA_F
ClientSampleId :
CPSB-17(20-25)

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.3	29.6	44.4	
170	22.7	19.8	29.8	

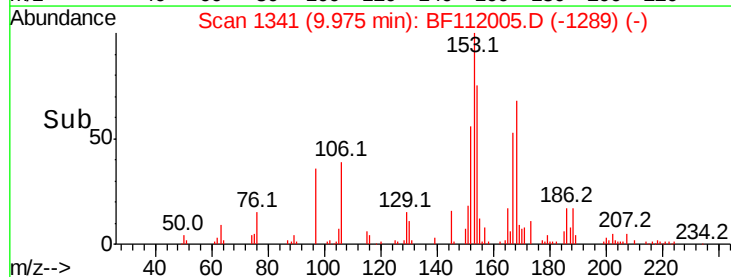
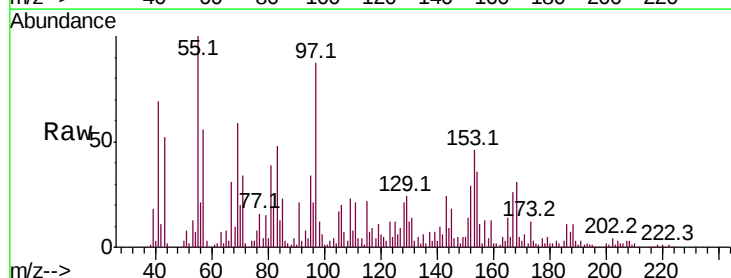
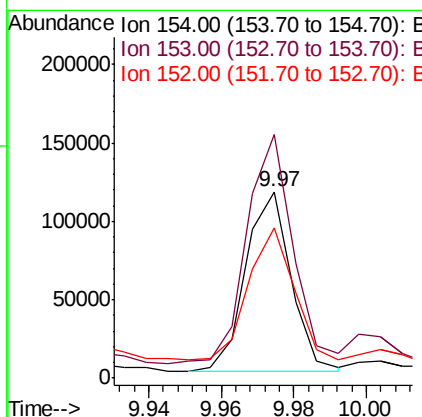
Manual Integrations
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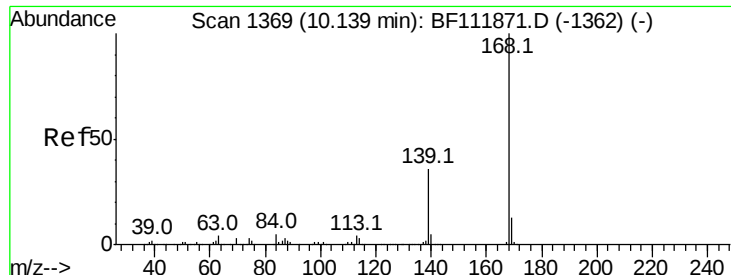
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#52
Acenaphthene
Concen: 14.610 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.01 min
Lab File: BF112005.D
Acq: 10 Jan 2019 23:22

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	130.6	89.4	134.0	
152	80.6	43.1	64.7#	





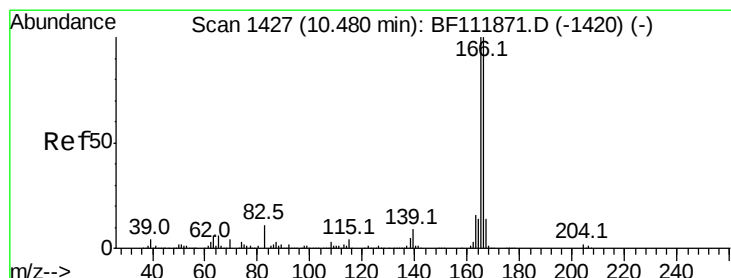
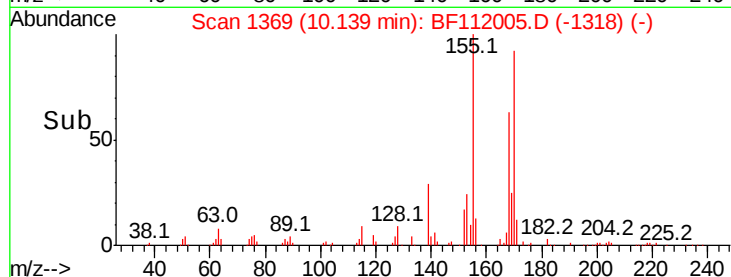
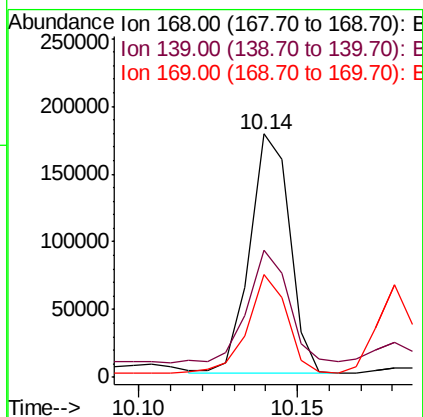
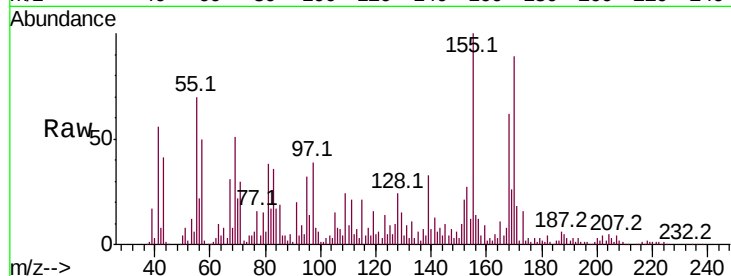
#55
Dibenzofuran
Concen: 15.753 ng
RT: 10.14 min Scan# 1369
Delta R.T. -0.00 min
Lab File: BF112005.D
Acq: 10 Jan 2019 23:22

Instrument :
BNA_F
ClientSampleId :
CPSB-17(20-25)

Tot Ion	Ratio	Lower	Upper
168	100		
139	52.2	29.3	43.9#
169	42.0	10.6	16.0#

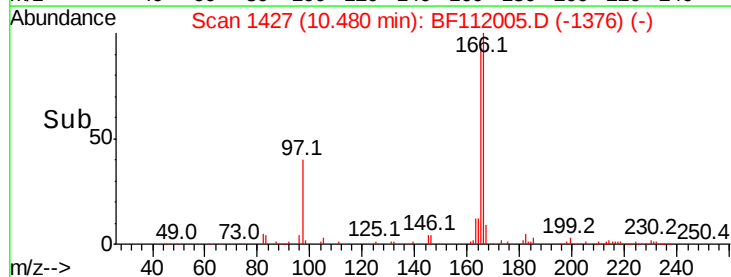
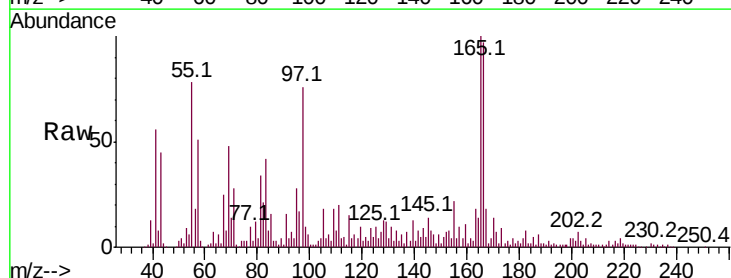
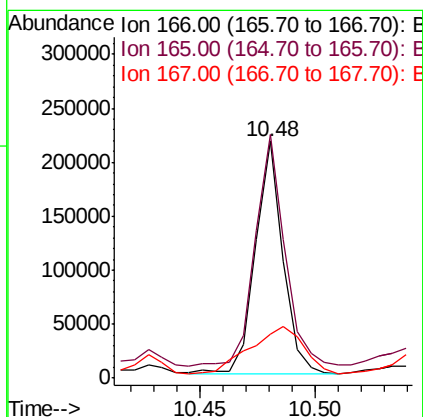
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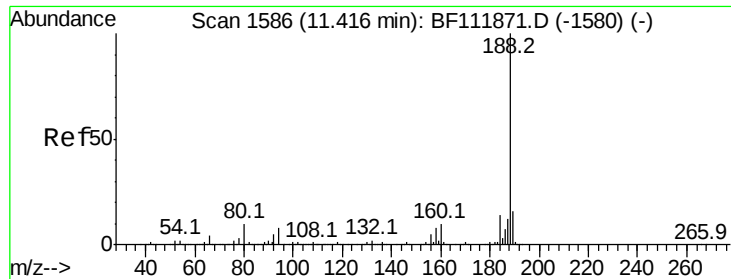
Sohil
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#58
Fluorene
Concen: 25.070 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.00 min
Lab File: BF112005.D
Acq: 10 Jan 2019 23:22

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.8	79.7	119.5
167	18.7	11.1	16.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF112005.D

Acq: 10 Jan 2019 23:22

Instrument :

BNA_F

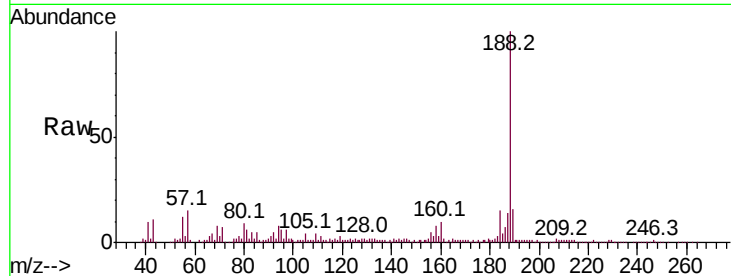
ClientSampleId :

CPSB-17(20-25)

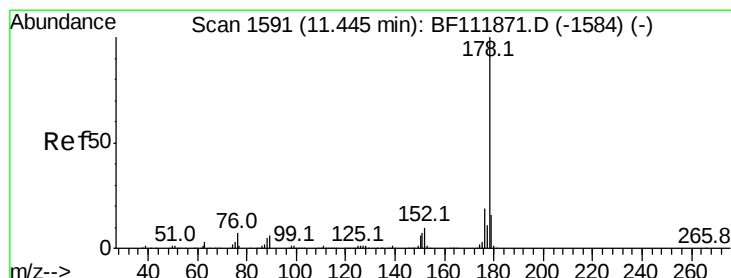
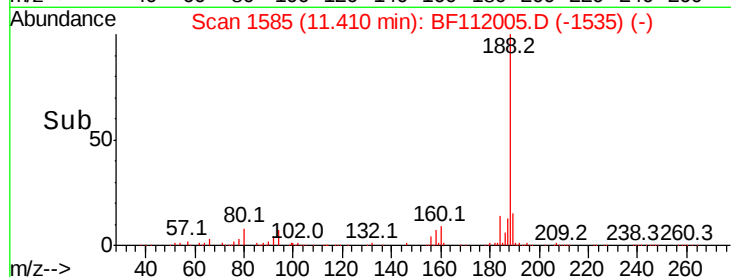
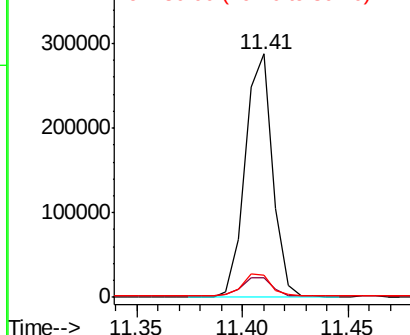
Tot Ion:	188	Resp:	258264
Ion Ratio	Lower	Upper	
188	100		
94	8.2	6.6	10.0
80	9.0	7.7	11.5

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Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 37.891 ng

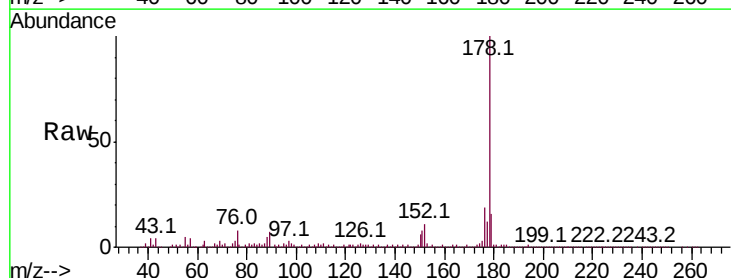
RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

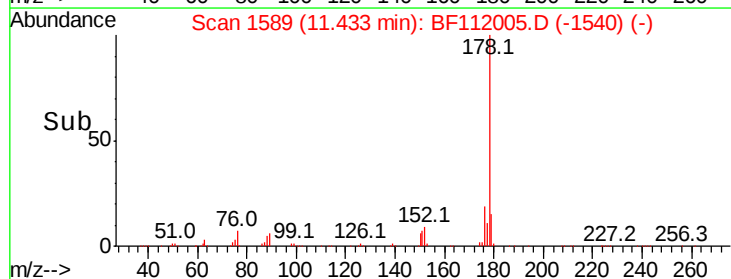
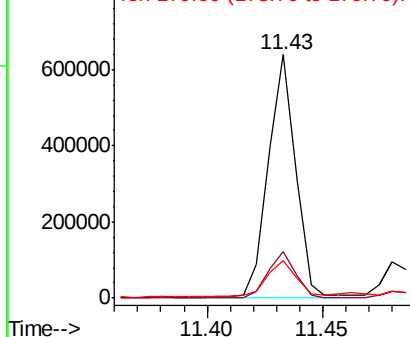
Lab File: BF112005.D

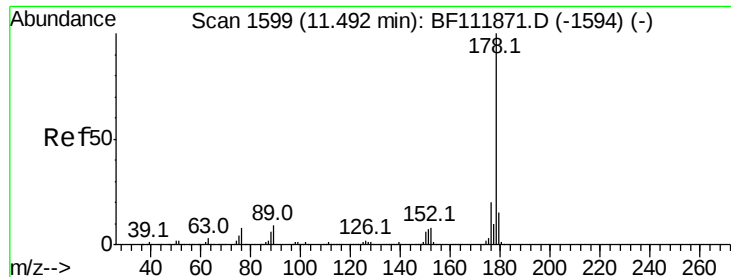
Acq: 10 Jan 2019 23:22

Tgt Ion:	178	Resp:	523204
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.6	23.4
179	15.6	12.6	18.8



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





#72

Anthracene

Concen: 5.318 ng/mL

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF112005.D

Acq: 10 Jan 2019 23:22

Instrument :

BNA_F

ClientSampleId :

CPSB-17(20-25)

Tot Ion:178 Resp: 74539

Ion Ratio Lower Upper

178 100

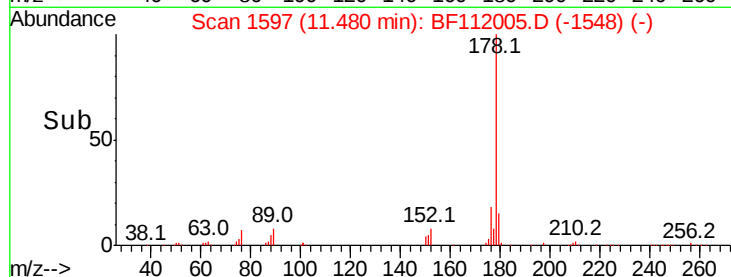
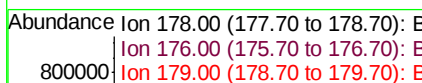
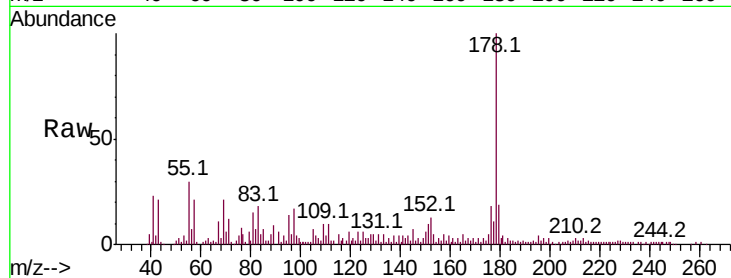
176 18.3 15.7 23.5

179 18.9 12.4 18.6#

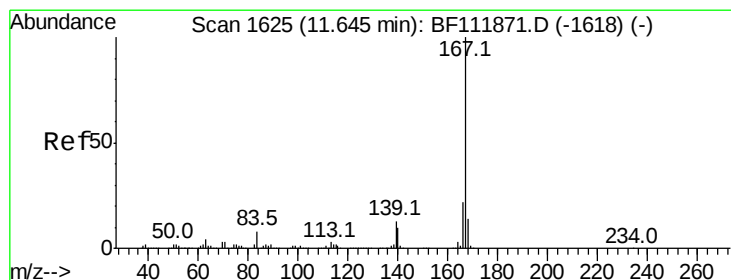
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Time-->



#73

Carbazole

Concen: 4.170 ng/mL

RT: 11.63 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF112005.D

Acq: 10 Jan 2019 23:22

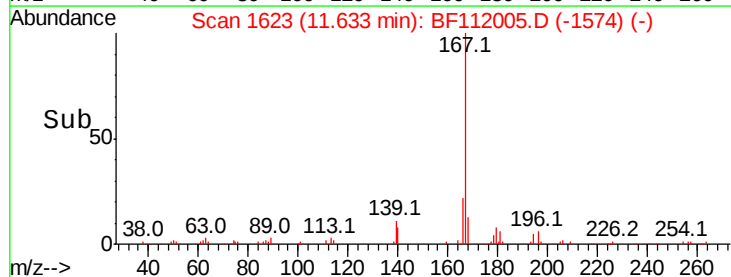
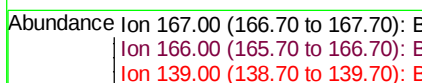
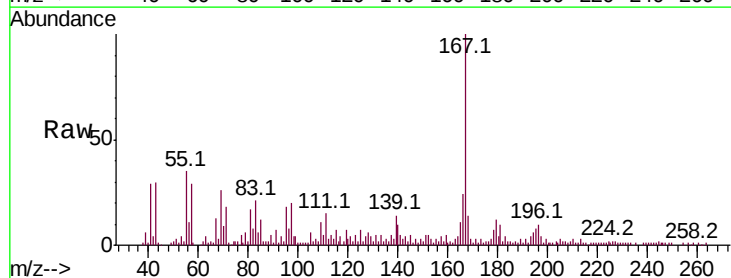
Tgt Ion:167 Resp: 56856

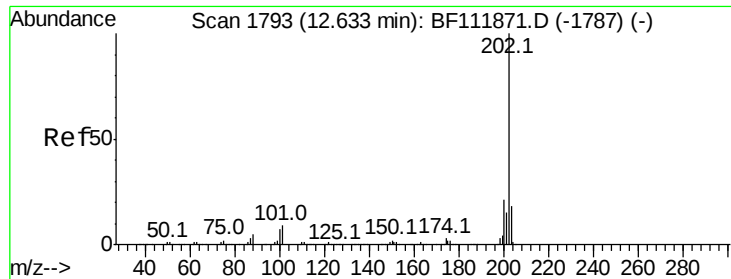
Ion Ratio Lower Upper

167 100

166 24.4 17.8 26.6

139 14.4 10.6 16.0





#75

Fluoranthene

Concen: 20.753 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.02 min

Lab File: BF112005.D

Acq: 10 Jan 2019 23:22

Instrument :

BNA_F

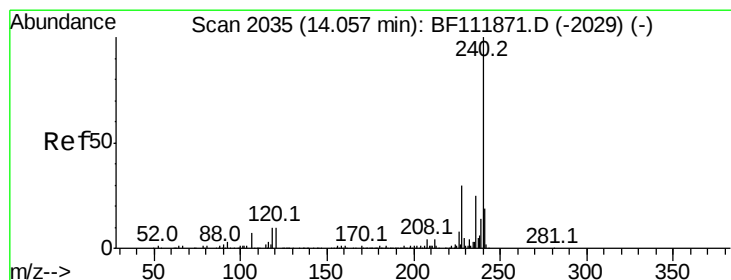
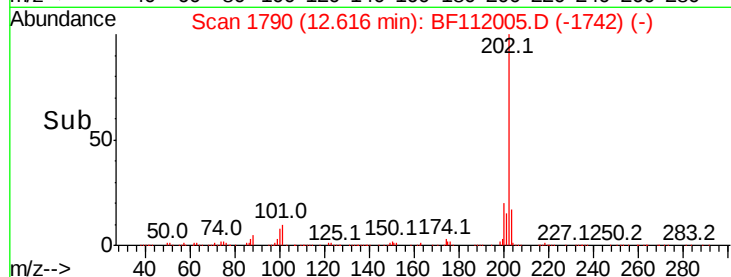
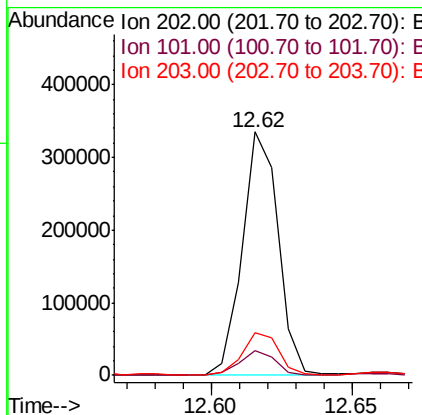
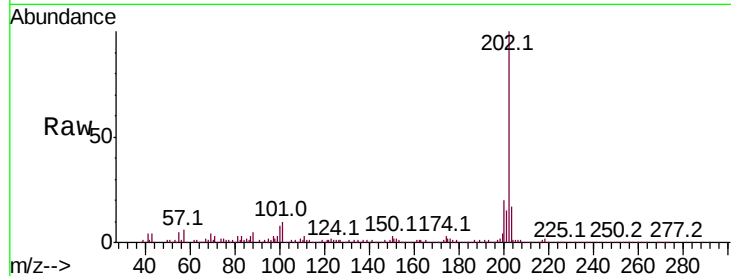
ClientSampleId :

CPSB-17(20-25)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.0	0.0	29.3
203	17.5	0.0	37.6

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#76

Chrysene-d12

Concen: 20.000 ng

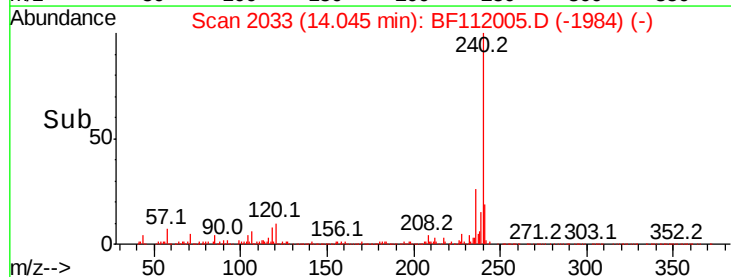
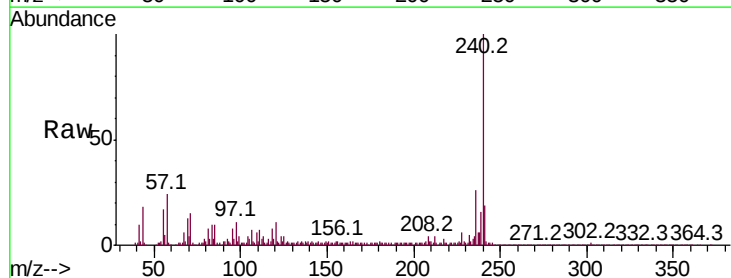
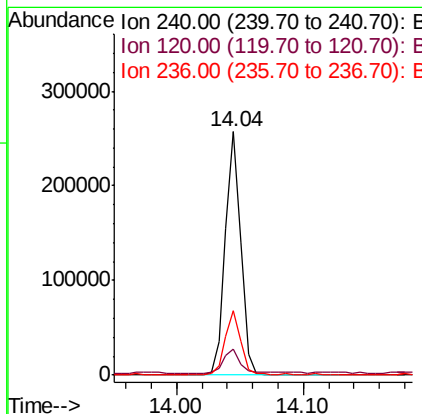
RT: 14.04 min Scan# 2033

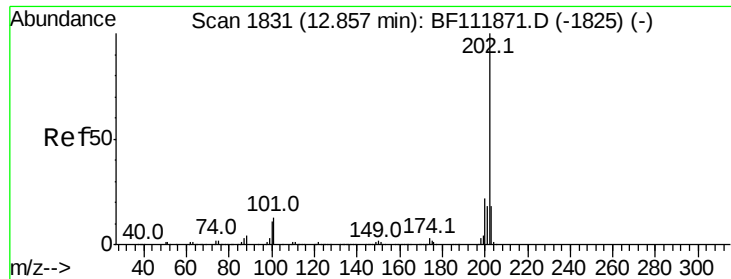
Delta R.T. -0.01 min

Lab File: BF112005.D

Acq: 10 Jan 2019 23:22

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.5	8.2	12.2
236	26.3	20.2	30.4





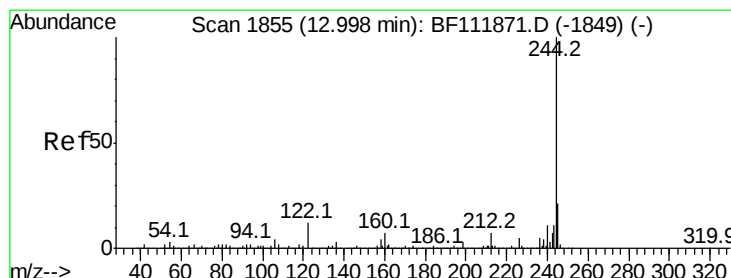
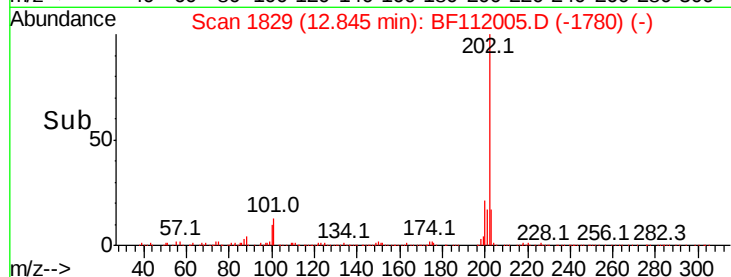
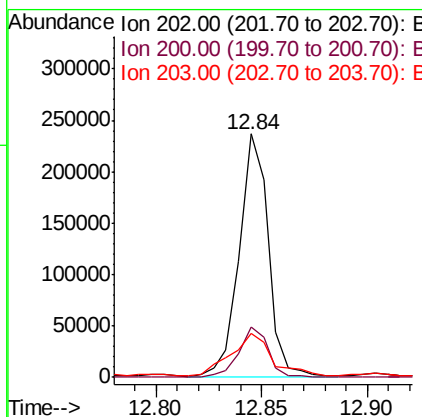
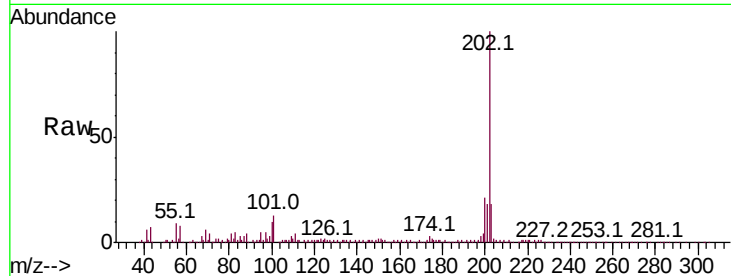
#78
Pvrene
Concen: 14.979 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF112005.D
Acq: 10 Jan 2019 23:22

Instrument :
BNA_F
ClientSampleId :
CPSB-17(20-25)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	17.4	26.2
203	18.2	14.6	21.8

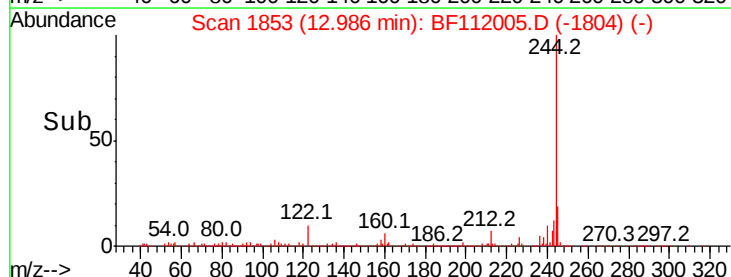
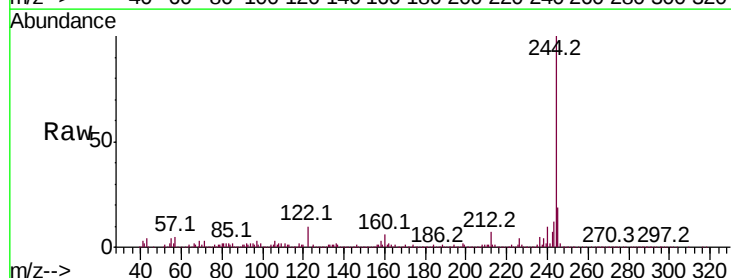
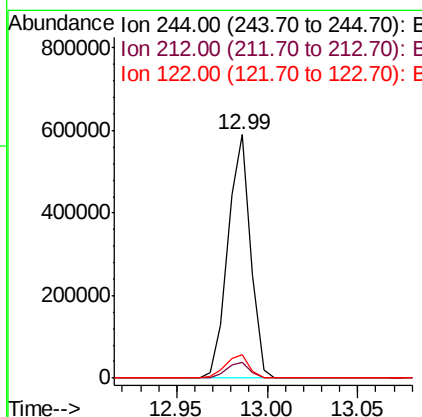
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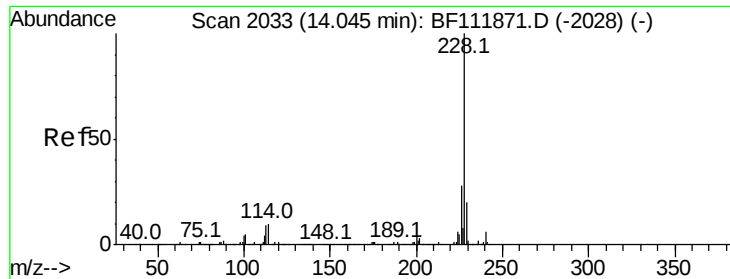
Sohil
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#79
Terphenyl-d14
Concen: 44.598 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF112005.D
Acq: 10 Jan 2019 23:22

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	5.8	8.8
122	9.7	9.5	14.3





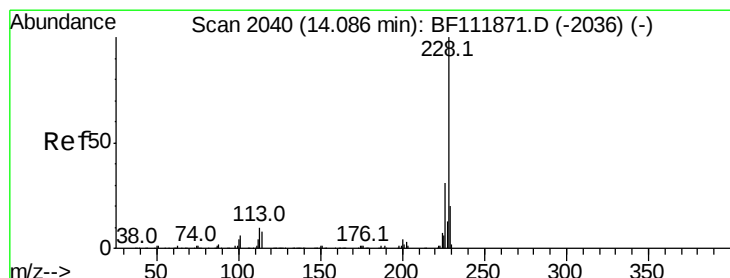
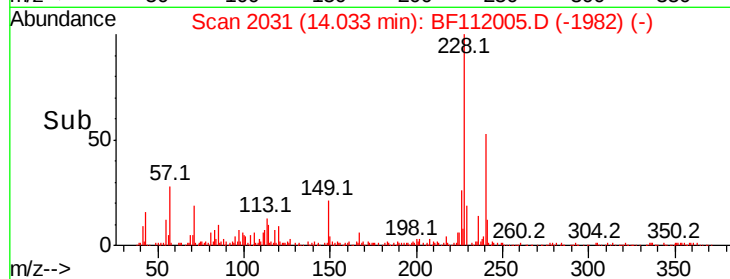
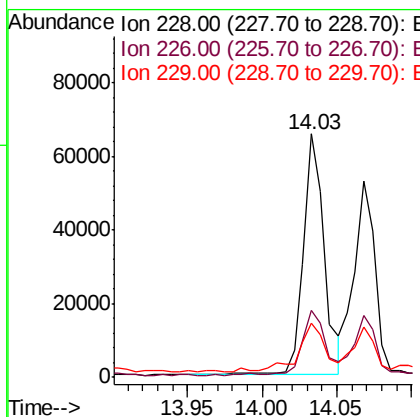
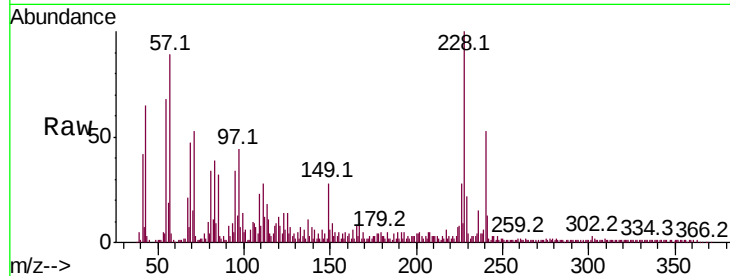
#81
Benzo(a)anthracene
Concen: 5.093 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF112005.D
Acq: 10 Jan 2019 23:22

Instrument :
BNA_F
ClientSampleId :
CPSB-17(20-25)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.2
229	22.2	16.2	24.2

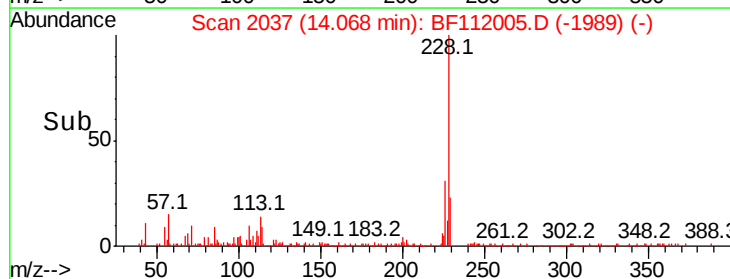
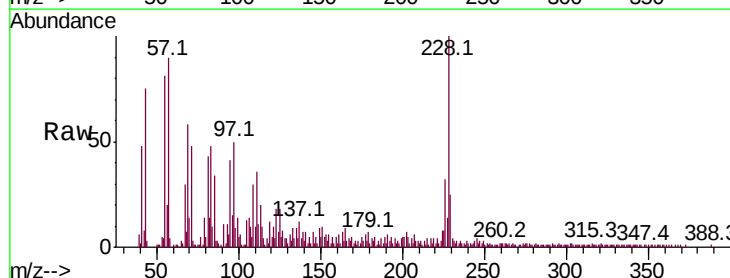
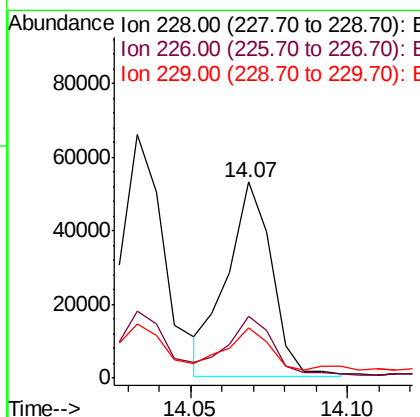
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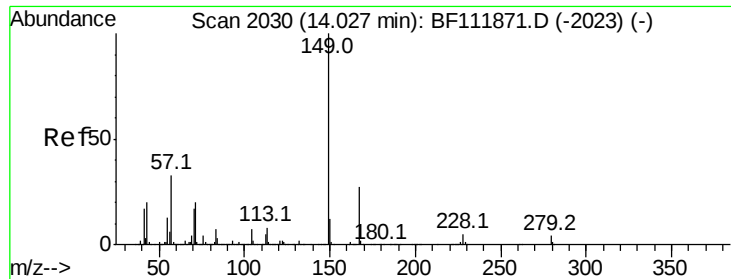
Sohil
1/11/2019 4:43:01 PM



#83
Chrysene
Concen: 4.420 ng m
RT: 14.07 min Scan# 2037
Delta R.T. -0.02 min
Lab File: BF112005.D
Acq: 10 Jan 2019 23:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.6	37.0
229	25.4	15.7	23.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 52.039 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF112005.D

Acq: 10 Jan 2019 23:22

Instrument :

BNA_F

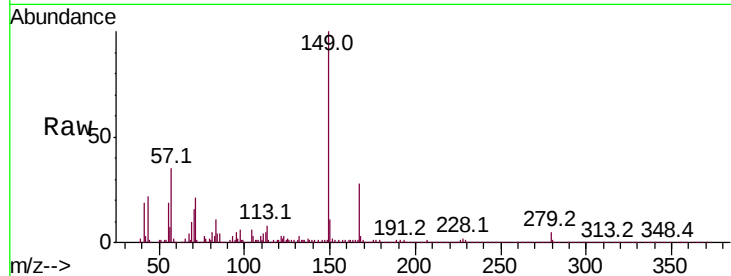
ClientSampleId :

CPSB-17(20-25)

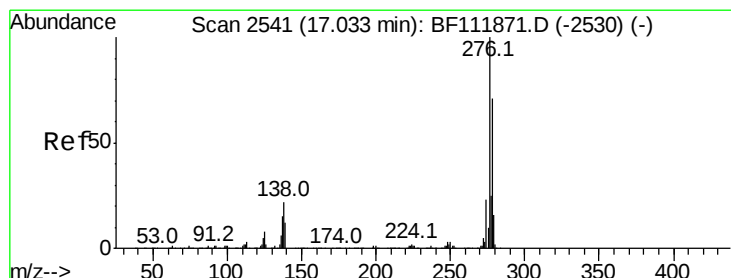
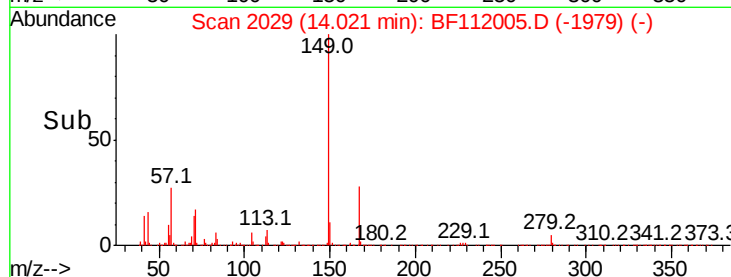
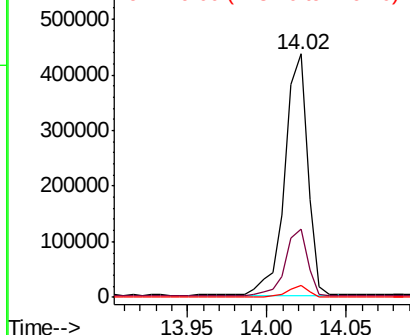
Tot Ion:	149	Resp:	433080
Ion Ratio	Lower	Upper	
149	100		
167	28.0	21.5	32.3
279	4.9	3.0	4.6#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.390 ng

RT: 17.01 min Scan# 2537

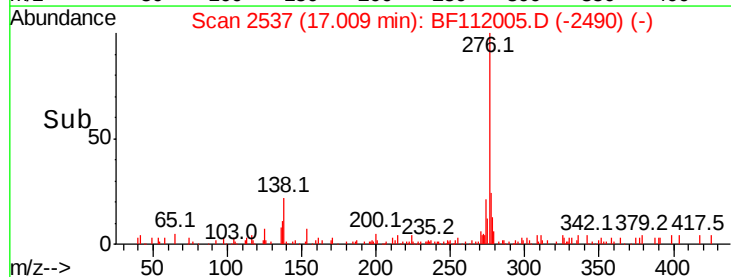
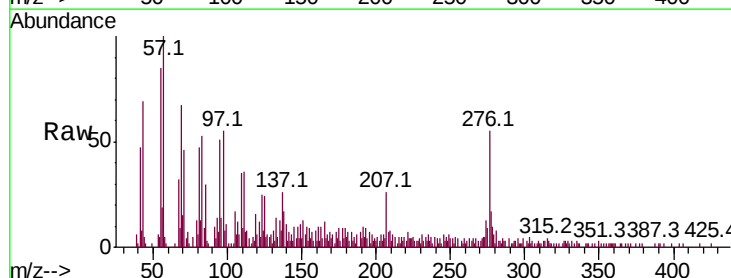
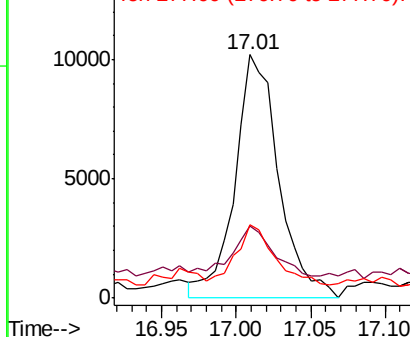
Delta R.T. -0.02 min

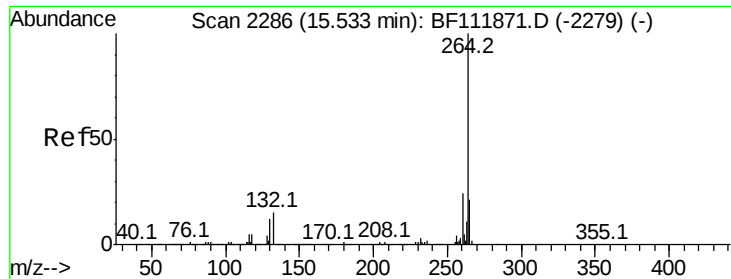
Lab File: BF112005.D

Acq: 10 Jan 2019 23:22

Tgt Ion:	276	Resp:	20833
Ion Ratio	Lower	Upper	
276	100		
138	20.0	18.1	27.1
277	21.5	19.9	29.9

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2285

Delta R.T. -0.01 min

Lab File: BF112005.D

Acq: 10 Jan 2019 23:22

Instrument :

BNA_F

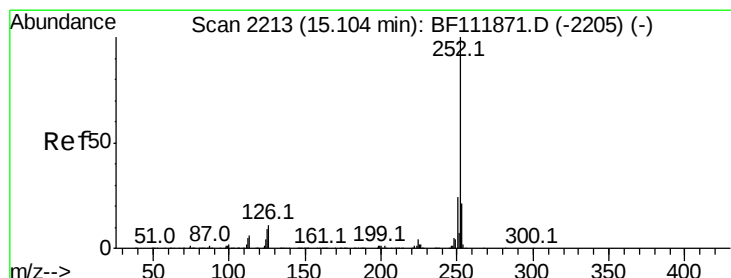
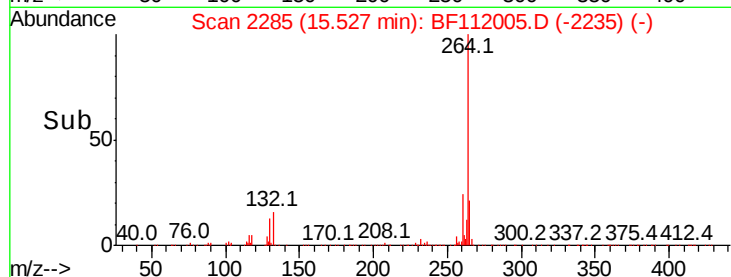
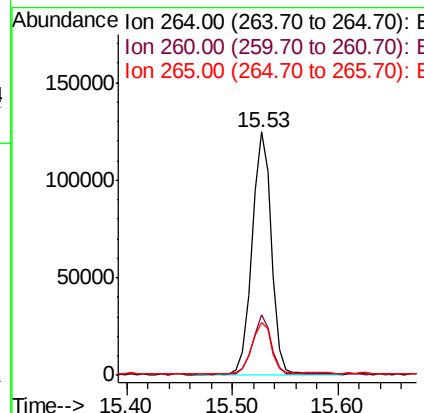
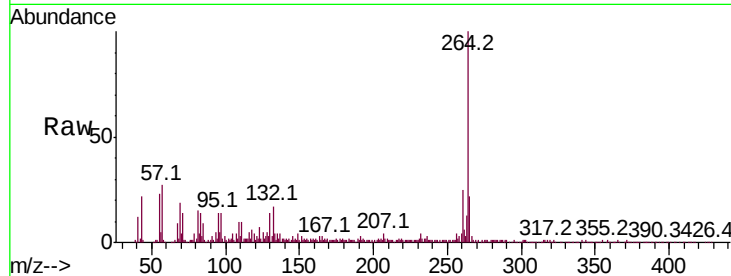
ClientSampleId :

CPSB-17(20-25)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.7	17.1	25.7

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#88

Benzo(b)fluoranthene

Concen: 4.851 ng m

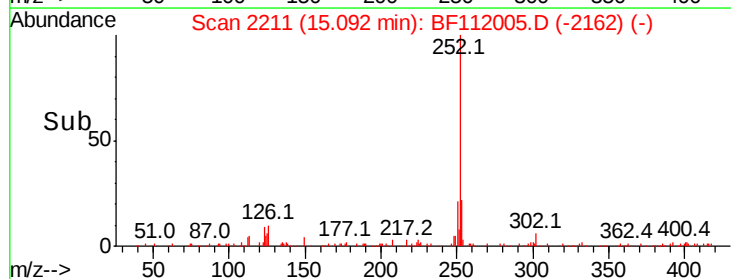
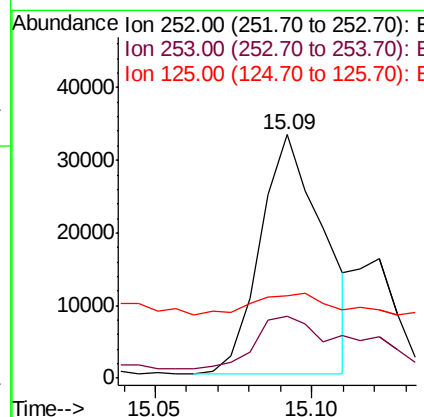
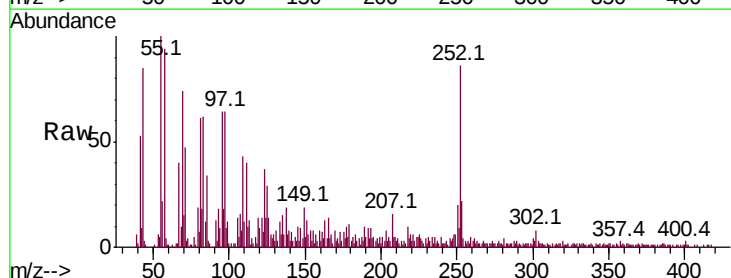
RT: 15.09 min Scan# 2211

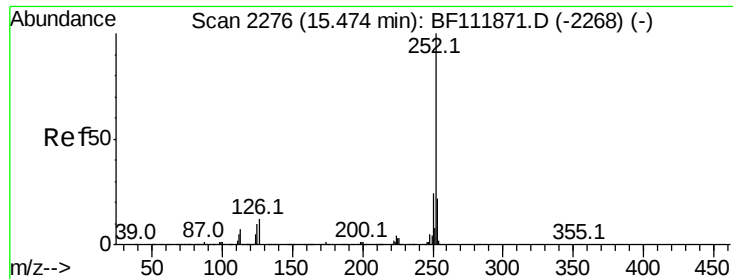
Delta R.T. -0.01 min

Lab File: BF112005.D

Acq: 10 Jan 2019 23:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.0	25.6#
125	33.8	7.1	10.7#





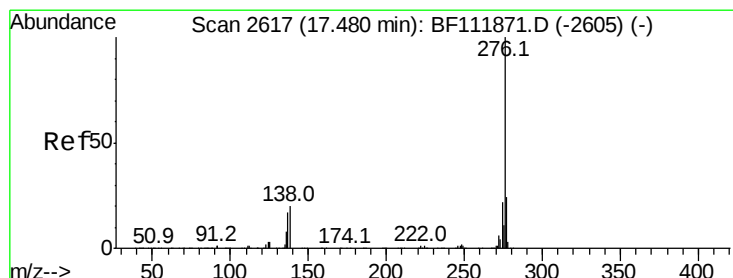
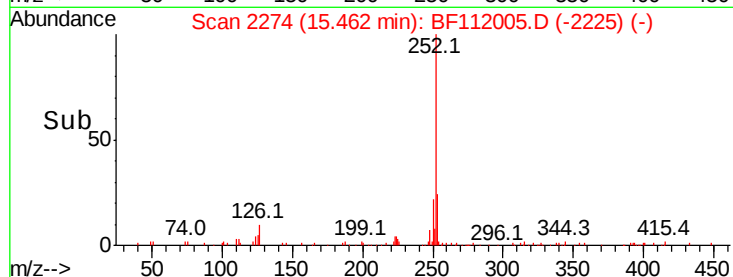
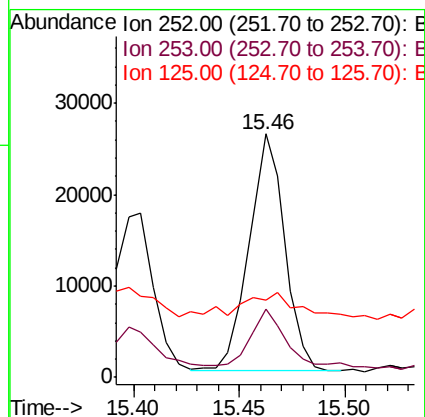
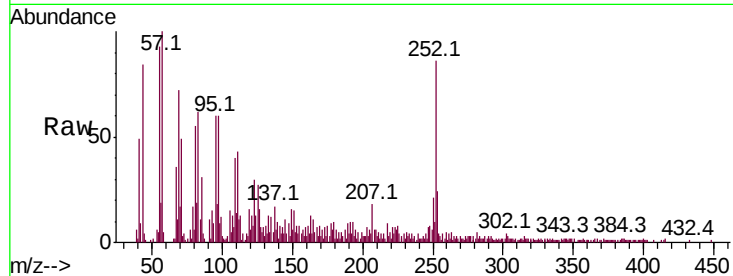
#90
Benzo(a)pyrene
Concen: 3.638 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF112005.D
Acq: 10 Jan 2019 23:22

Instrument :
BNA_F
ClientSampleId :
CPSB-17(20-25)

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.0	17.4	26.2#
125	31.8	7.9	11.9#

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#92
Benzo(g,h,i)perylene
Concen: 3.174 ng
RT: 17.47 min Scan# 2615
Delta R.T. -0.01 min
Lab File: BF112005.D
Acq: 10 Jan 2019 23:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.0	19.0	28.6#
138	35.5	16.2	24.2#

