

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
 Data File : BF112006.D
 Acq On : 10 Jan 2019 23:48
 Operator : JU/SJ
 Sample : K1071-03 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-16(10-15)

Manual Integrations
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 1/11/2019 4:43:02 PM

Quant Time: Jan 11 03:05:57 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	84057	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	218403	20.00	ng	0.03
39) Acenaphthene-d10	9.97	164	92439	20.00	ng	0.04
64) Phenanthrene-d10	11.42	188	299313	20.00	ng	0.00
76) Chrysene-d12	14.06	240	144012	20.00	ng	0.00
87) Perylene-d12	15.57	264	116406	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	152271	30.99	ng	-0.02
7) Phenol-d6	6.52	99	207487	32.76	ng	-0.02
23) Nitrobenzene-d5	7.45	82	302146	73.94	ng	-0.01
42) 2,4,6-Tribromophenol	10.73	330	52434	43.61	ng	0.01
45) 2-Fluorobiphenyl	9.29	172	148713	23.46	ng	0.04
79) Terphenyl-d14	12.99	244	196196	25.86	ng	0.00
Target Compounds						
52) Acenaphthene	10.01	154	524834	90.739	ng	Qvalue 93
55) Dibenzofuran	10.17	168	648349	77.076	ng	# 76
58) Fluorene	10.50	166	776837	126.917	ng	# 94
71) Phenanthrene	11.45	178	2774561	173.380	ng	97
72) Anthracene	11.49	178	504017	31.026	ng	97
75) Fluoranthene	12.63	202	1103980	67.200	ng	98
78) Pyrene	12.86	202	870056	87.805	ng	99
81) Benzo(a)anthracene	14.05	228	184526	22.264	ng	# 91
83) Chrysene	14.09	228	169549	21.455	ng	# 91
84) Bis(2-ethylhexyl)phthalate	14.03	149	610414	110.952	ng	98
86) Indeno(1,2,3-cd)pyrene	17.08	276	47984	8.329	ng	# 79
88) Benzo(b)fluoranthene	15.13	252	112287m	16.125	ng	
89) Benzo(k)fluoranthene	15.15	252	35035m	5.353	ng	
90) Benzo(a)pyrene	15.50	252	100285	16.379	ng	# 27
92) Benzo(a,h,i)perylene	17.54	276	44458	9.230	ng	# 69

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

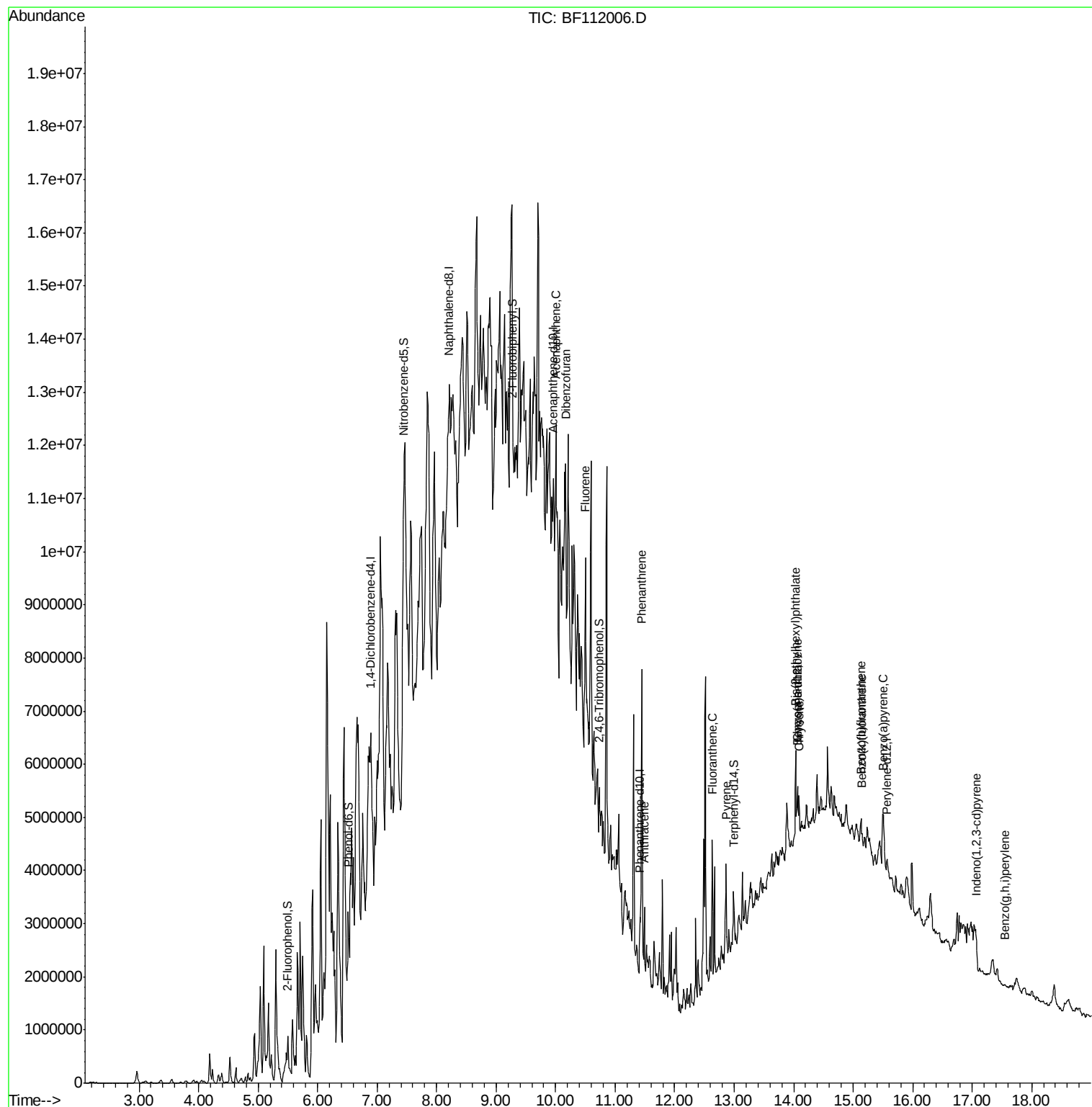
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
Data File : BF112006.D
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ALS Vial : 26 Sample Multiplier: 1

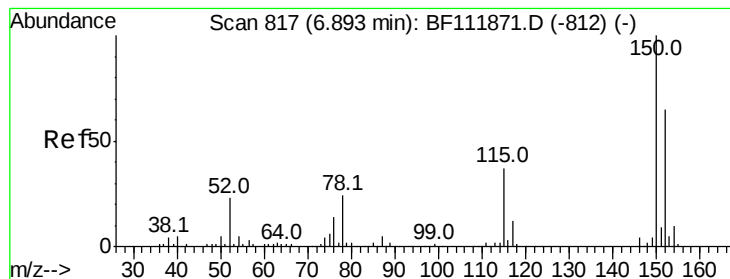
Instrument :
BNA_F
ClientSampled :
CPSB-16(10-15)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
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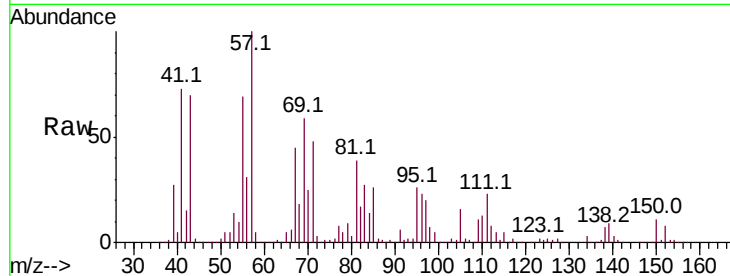
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.00 min
 Lab File: BF112006.D
 Acq: 10 Jan 2019 23:48

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-16(10-15)

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.1	122.7	184.1
115	59.4	45.2	67.8

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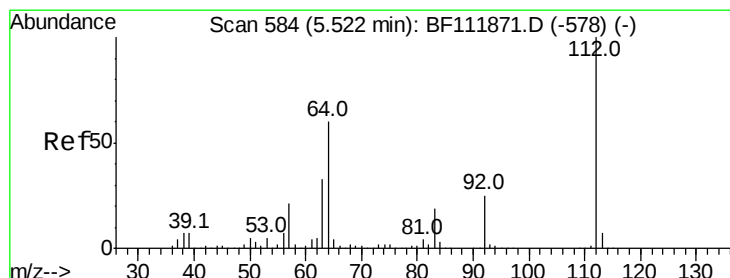
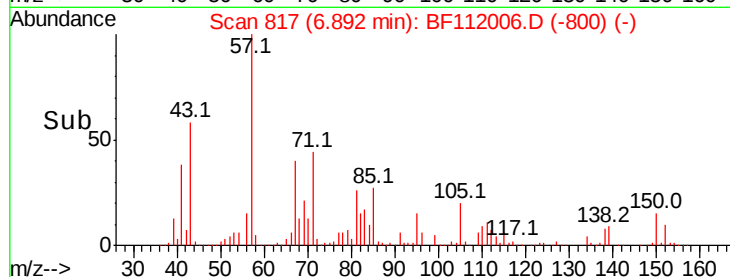
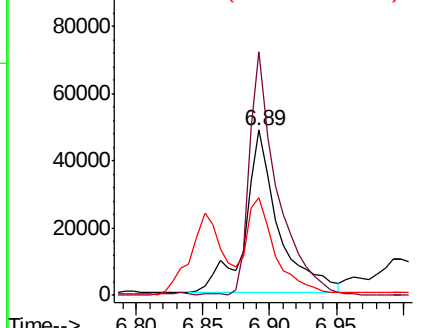


Abundance

Ion 152.00 (151.70 to 152.70): E

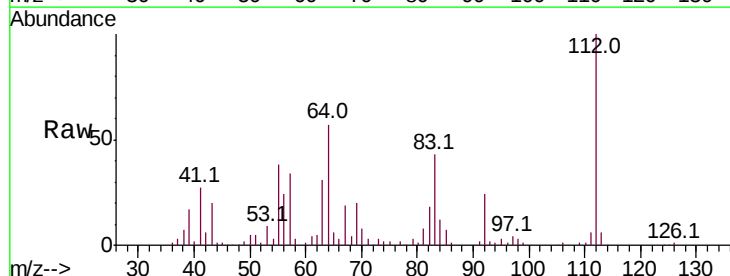
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 30.992 ng
 RT: 5.50 min Scan# 581
 Delta R.T. -0.02 min
 Lab File: BF112006.D
 Acq: 10 Jan 2019 23:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	48.3	72.5
63	30.8	26.1	39.1

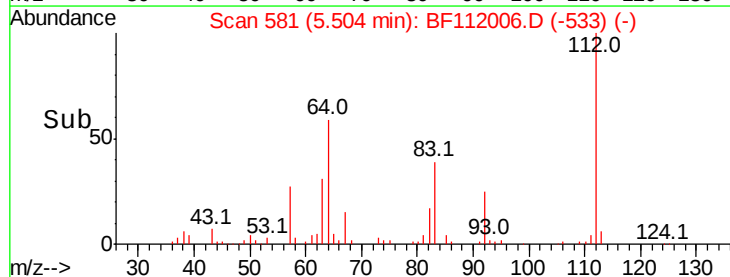
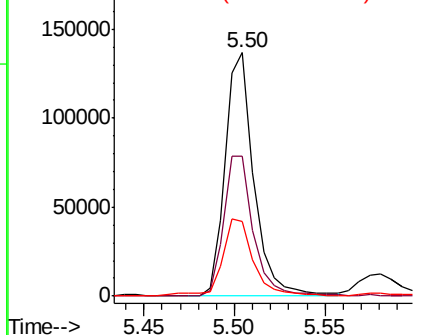


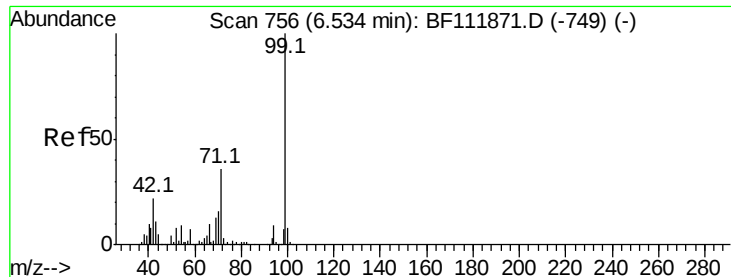
Abundance

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: 32.765 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.02 min

Lab File: BF112006.D

Acq: 10 Jan 2019 23:48

Instrument :

BNA_F

ClientSampleId :

CPSB-16(10-15)

Tot Ion: 99 Resp: 207487

Ion Ratio Lower Upper

99 100

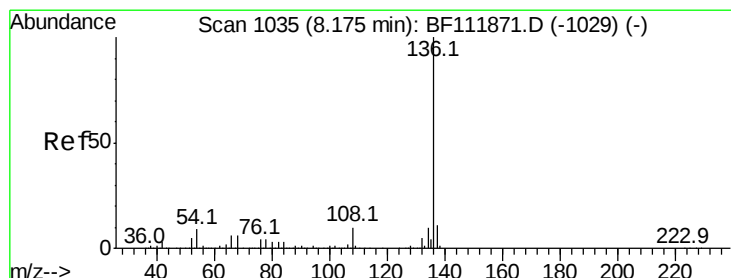
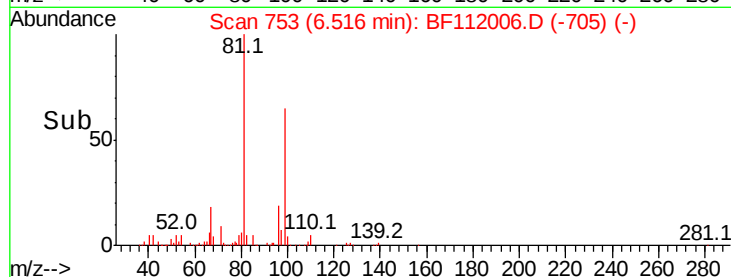
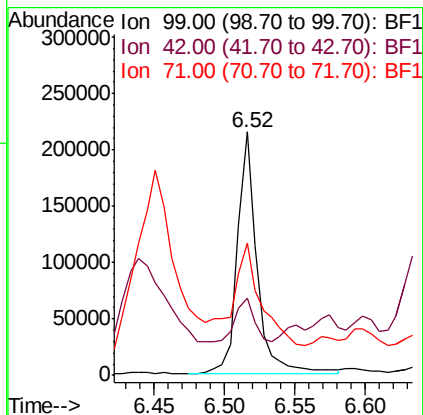
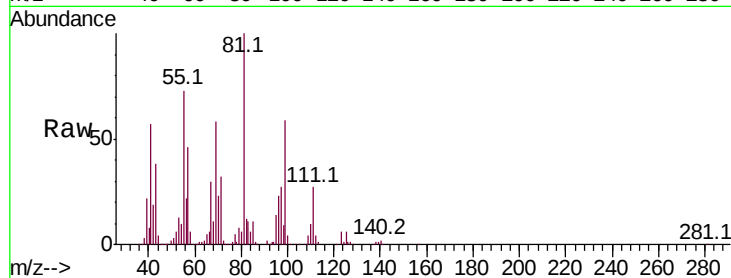
42 31.7 17.9 26.9#

71 54.5 28.7 43.1#

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.20 min Scan# 1040

Delta R.T. 0.03 min

Lab File: BF112006.D

Acq: 10 Jan 2019 23:48

Tgt Ion: 136 Resp: 218403

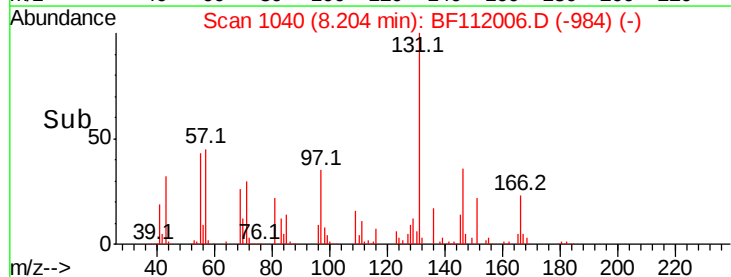
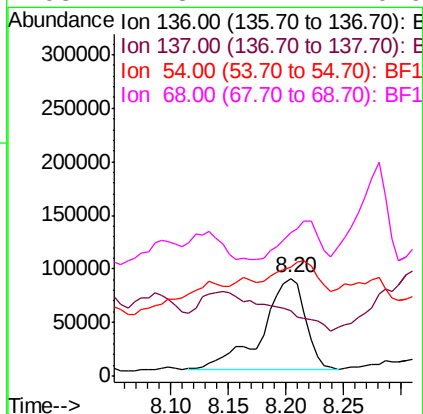
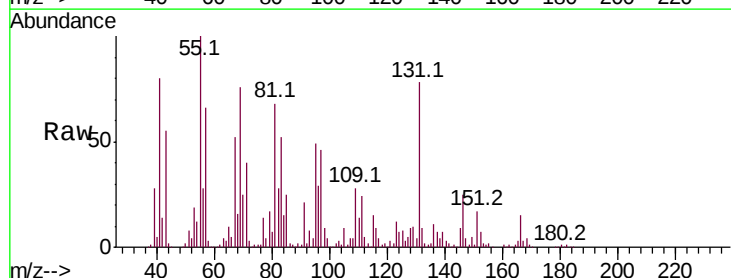
Ion Ratio Lower Upper

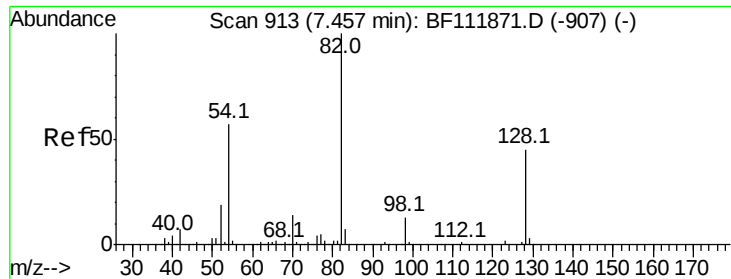
136 100

137 66.7 9.1 13.7#

54 111.1 7.2 10.8#

68 147.3 4.4 6.6#





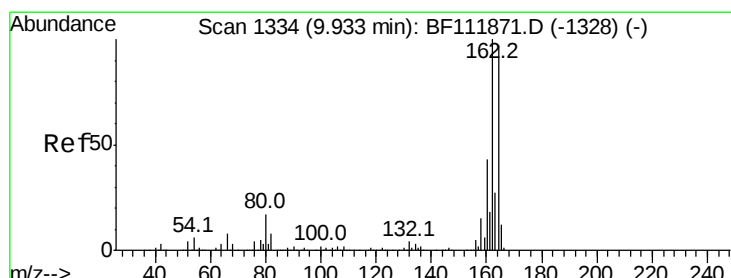
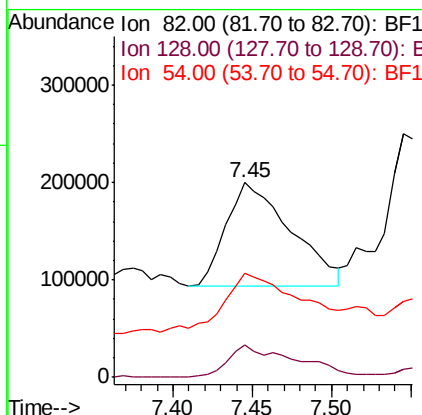
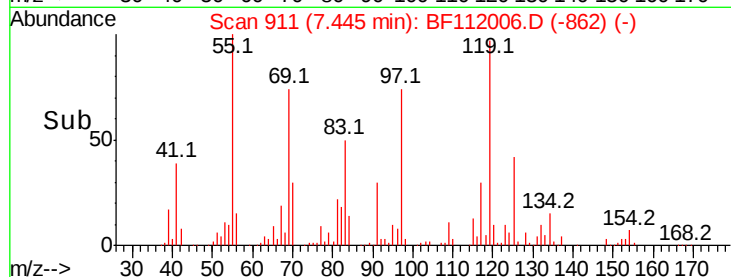
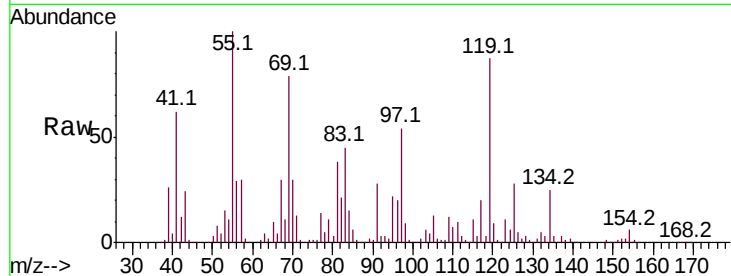
#23
Nitrobenzene-d5
Concen: 73.938 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF112006.D
Acq: 10 Jan 2019 23:48

Instrument :
BNA_F
ClientSampleId :
CPSB-16(10-15)

Tot Ion	Ratio	Lower	Upper
82	100		
128	16.9	35.7	53.5#
54	53.7	45.8	68.8

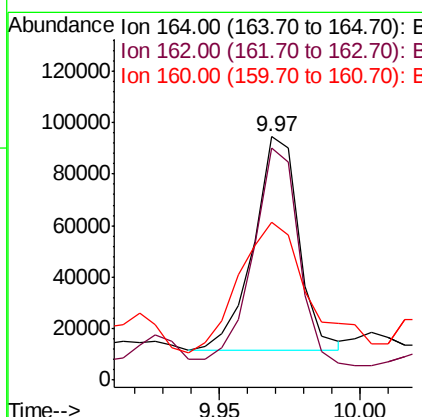
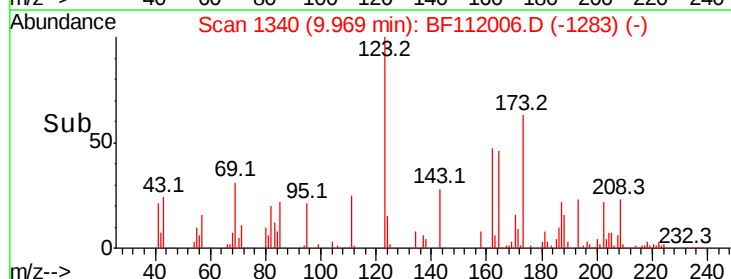
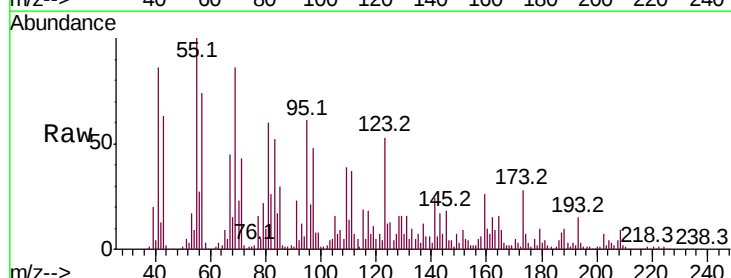
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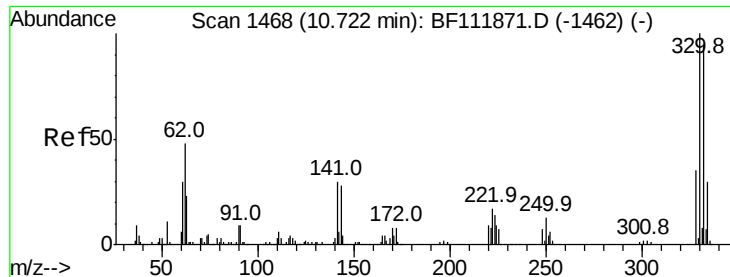
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.04 min
Lab File: BF112006.D
Acq: 10 Jan 2019 23:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.2	82.2	123.2
160	64.9	35.5	53.3#





#42

2,4,6-Tribromophenol

Concen: 43.610 ng

RT: 10.73 min Scan# 1470

Delta R.T. 0.01 min

Lab File: BF112006.D

Acq: 10 Jan 2019 23:48

Instrument :

BNA_F

ClientSampleId :

CPSB-16(10-15)

Tot Ion:330 Resp: 52434

Ion Ratio Lower Upper

330 100

332 95.2 76.9 115.3

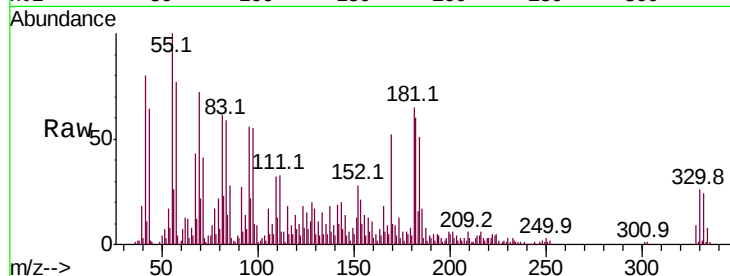
141 27.9 23.7 35.5

Manual Integrations

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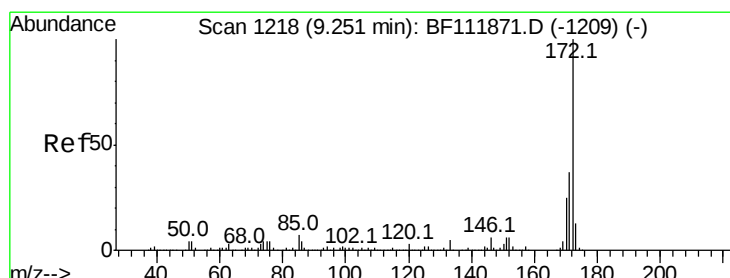
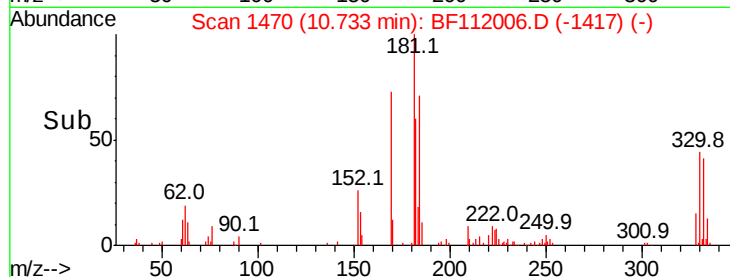
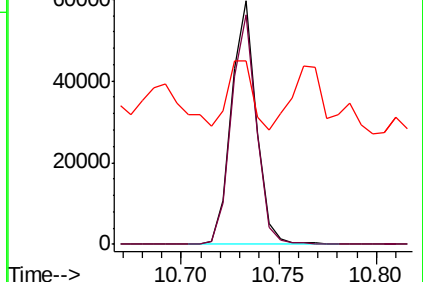
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Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 23.459 ng

RT: 9.29 min Scan# 1224

Delta R.T. 0.04 min

Lab File: BF112006.D

Acq: 10 Jan 2019 23:48

Tgt Ion:172 Resp: 148713

Ion Ratio Lower Upper

172 100

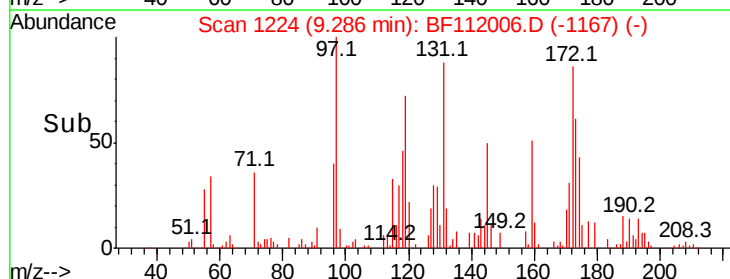
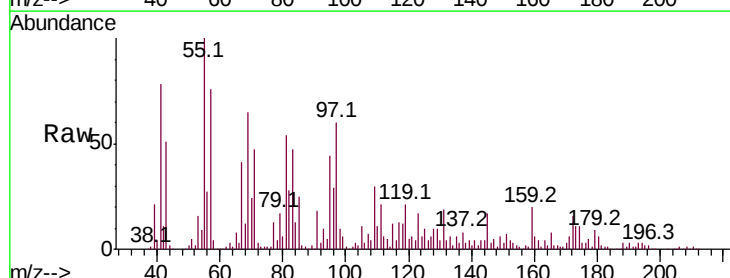
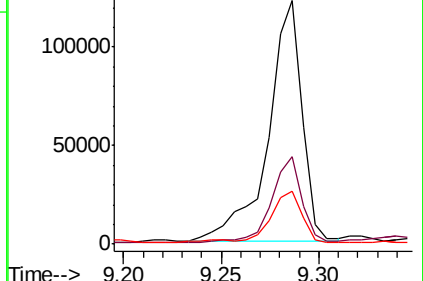
171 35.7 29.6 44.4

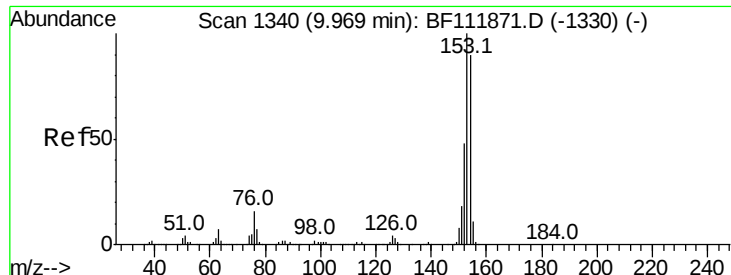
170 21.5 19.8 29.8

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





#52

Acenaphthene

Concen: 90.739 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.04 min

Lab File: BF112006.D

Acq: 10 Jan 2019 23:48

Instrument :

BNA_F

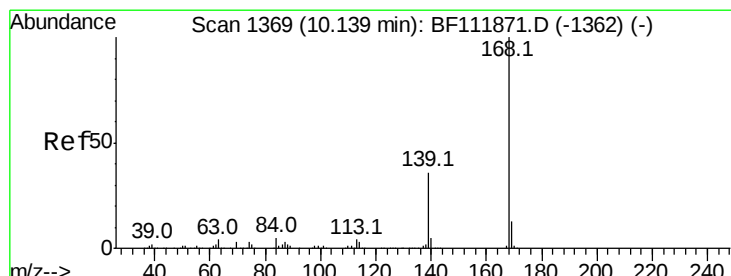
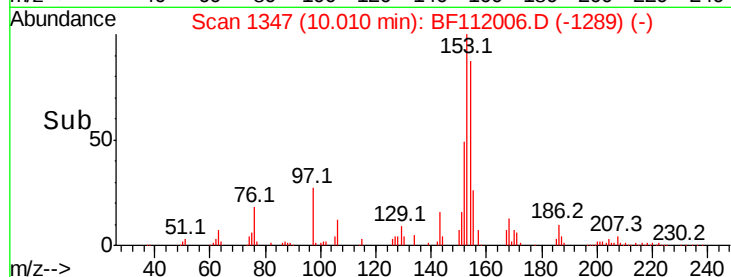
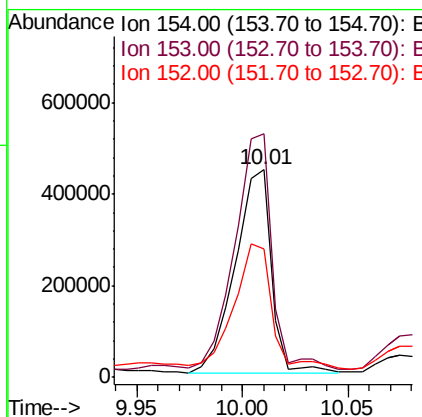
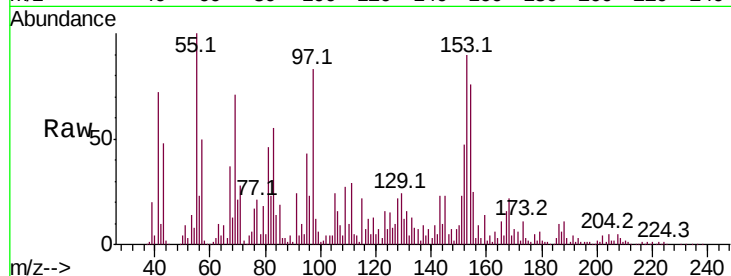
ClientSampleId :

CPSB-16(10-15)

Tot Ion	Ratio	Lower	Upper
154	100		
153	117.4	89.4	134.0
152	61.8	43.1	64.7

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#55

Dibenzofuran

Concen: 77.076 ng

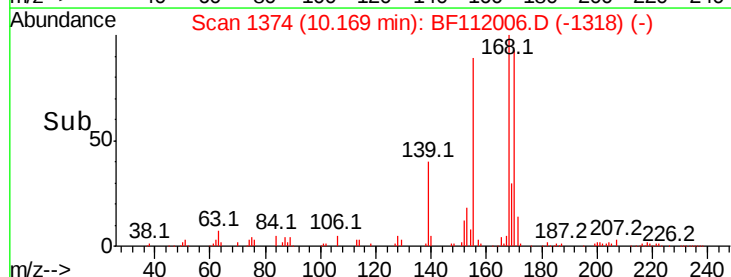
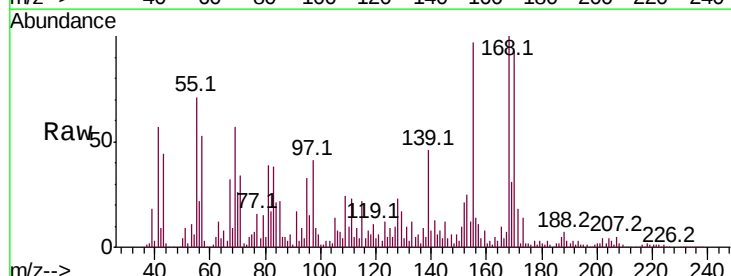
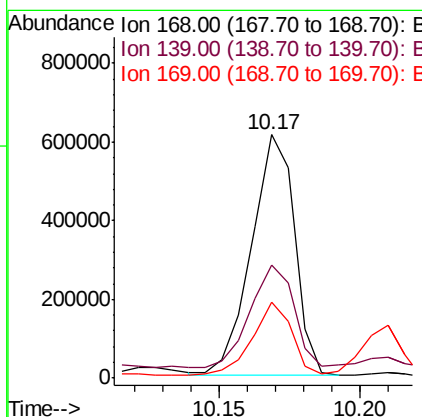
RT: 10.17 min Scan# 1374

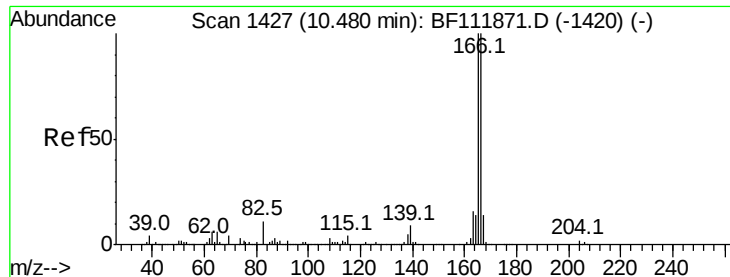
Delta R.T. 0.03 min

Lab File: BF112006.D

Acq: 10 Jan 2019 23:48

Tgt Ion	Ratio	Lower	Upper
168	100		
139	46.2	29.3	43.9#
169	31.0	10.6	16.0#





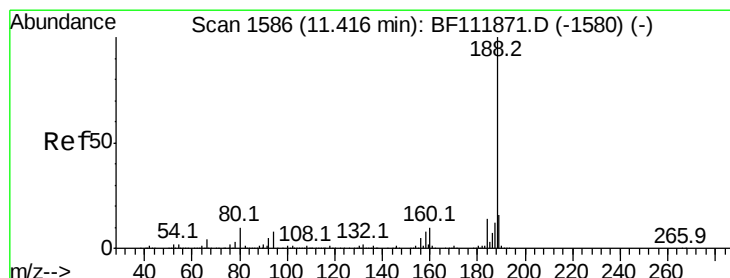
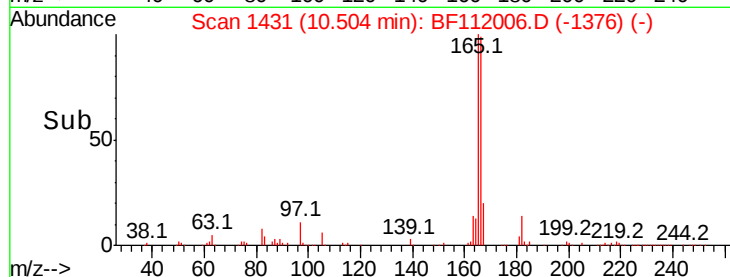
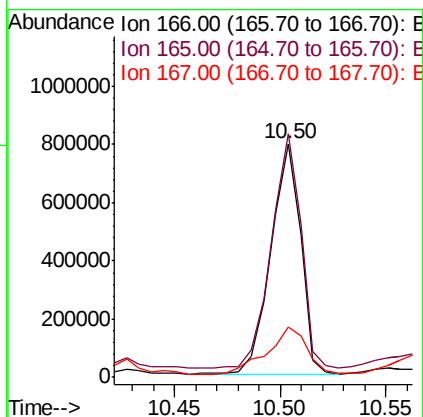
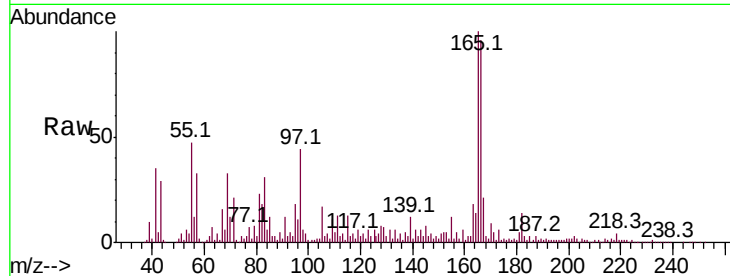
#58
 Fluorene
 Concen: 126.917 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. 0.02 min
 Lab File: BF112006.D
 Acq: 10 Jan 2019 23:48

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-16(10-15)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	104.3	79.7	119.5		
167	21.5	11.1	16.7#		

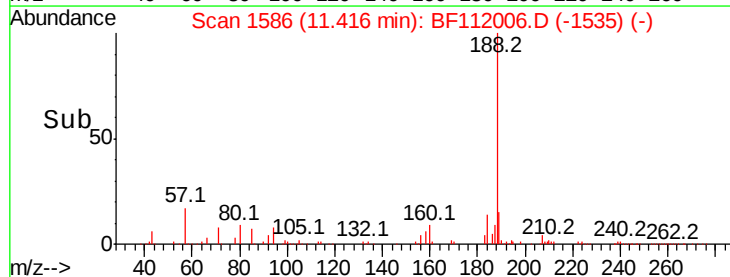
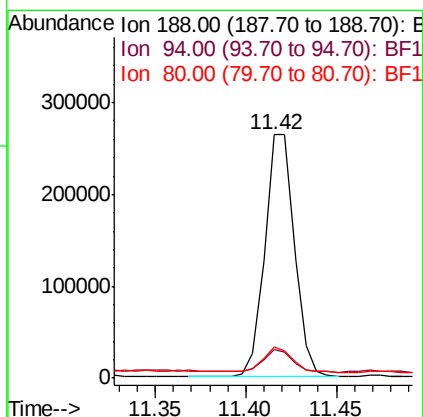
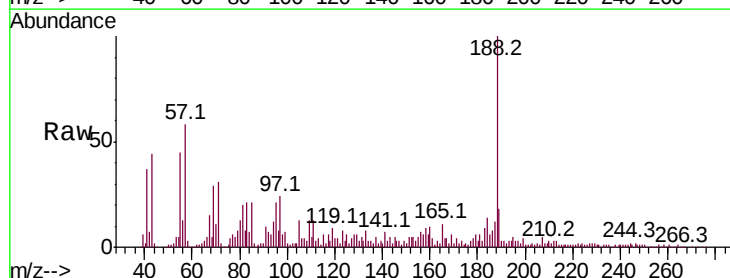
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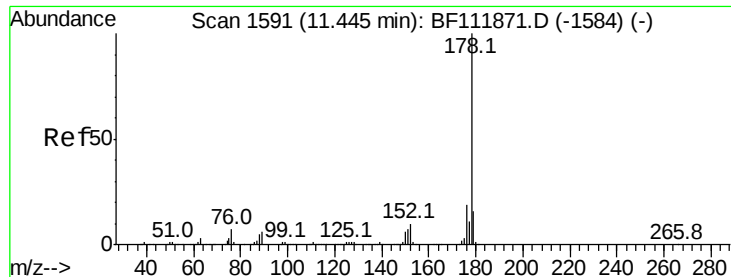
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF112006.D
 Acq: 10 Jan 2019 23:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	11.6	6.6	10.0#		
80	12.6	7.7	11.5#		





#71

Phenanthrene

Concen: 173.380 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.01 min

Lab File: BF112006.D

Acq: 10 Jan 2019 23:48

Instrument :

BNA_F

ClientSampleId :

CPSB-16(10-15)

Tot Ion:178 Resp: 2774561

Ion Ratio Lower Upper

178 100

176 20.8 15.6 23.4

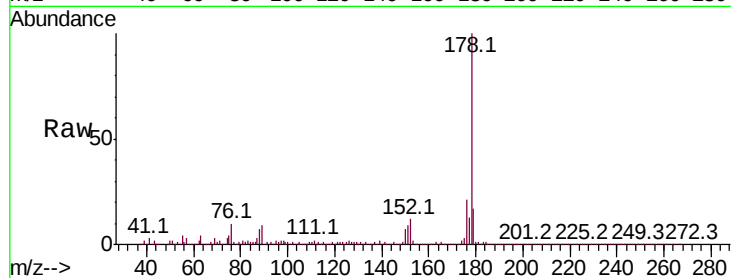
179 16.7 12.6 18.8

Manual Integrations

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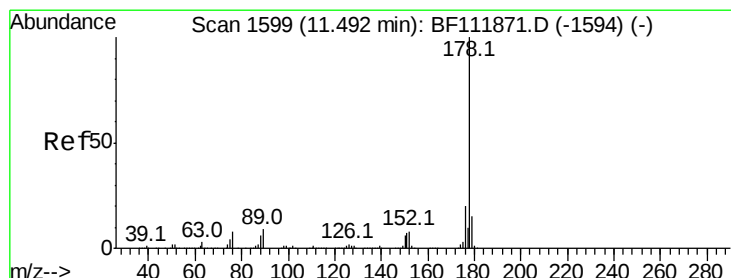
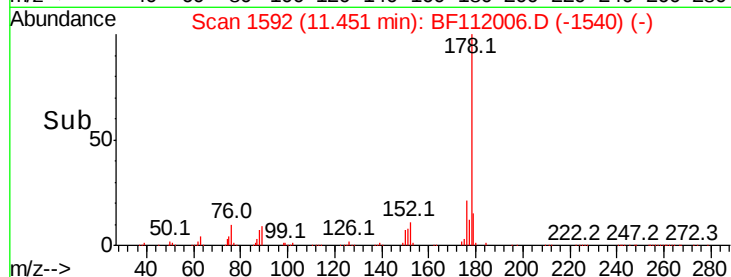
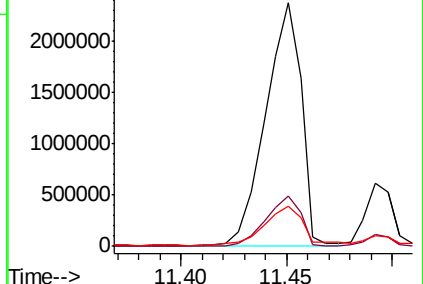
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 31.026 ng

RT: 11.49 min Scan# 1599

Delta R.T. -0.00 min

Lab File: BF112006.D

Acq: 10 Jan 2019 23:48

Tgt Ion:178 Resp: 504017

Ion Ratio Lower Upper

178 100

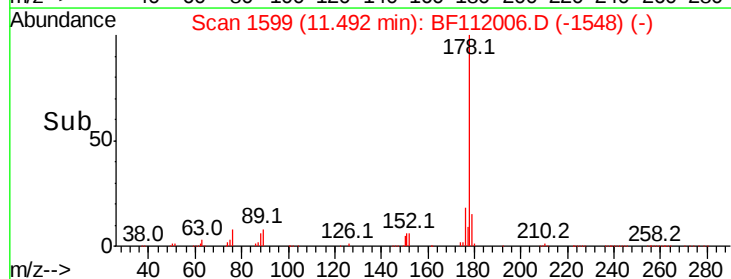
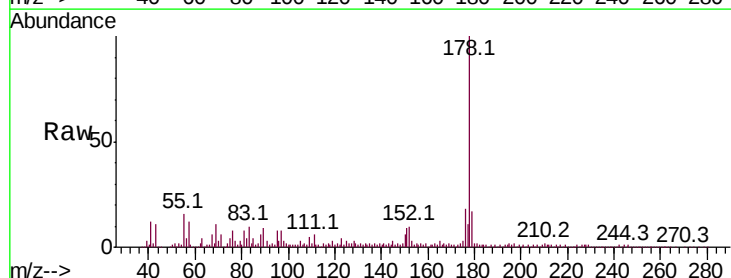
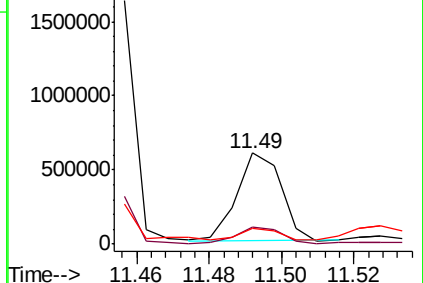
176 18.5 15.7 23.5

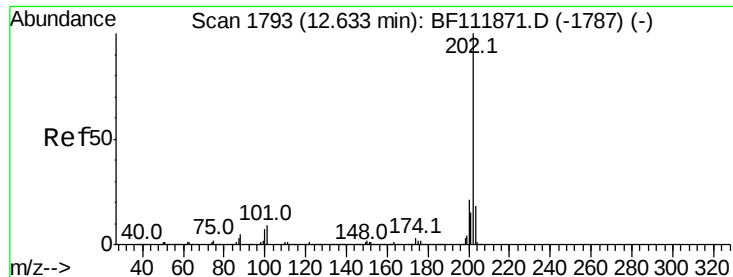
179 16.8 12.4 18.6

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: 67.200 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.00 min

Lab File: BF112006.D

Acq: 10 Jan 2019 23:48

Instrument :

BNA_F

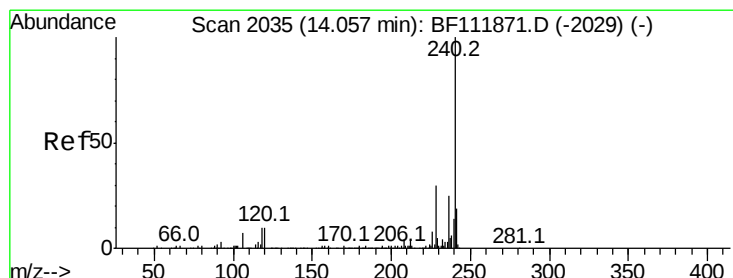
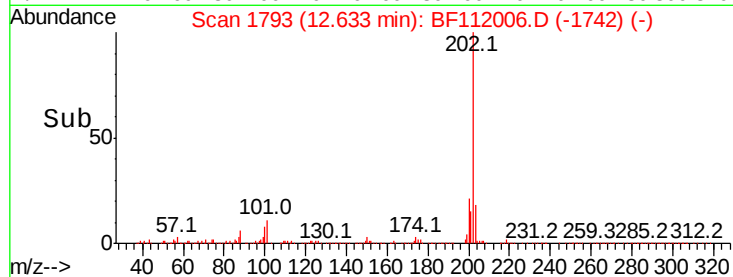
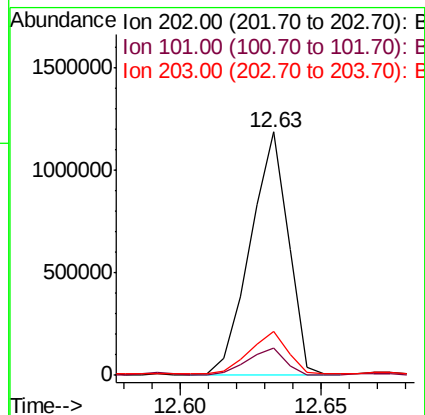
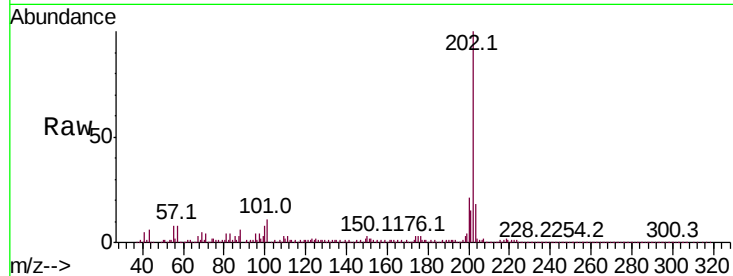
ClientSampleId :

CPSB-16(10-15)

Tot Ion:	202	Resp:	1103980
Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	29.3
203	18.0	0.0	37.6

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#76

Chrysene-d12

Concen: 20.000 ng

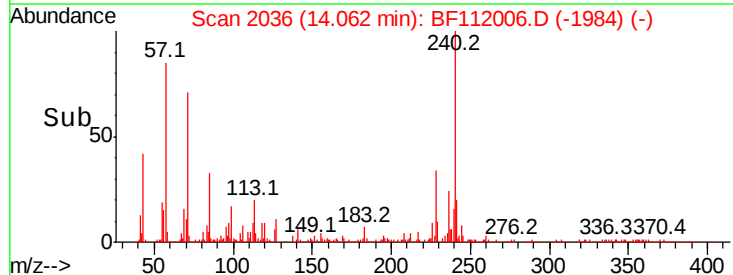
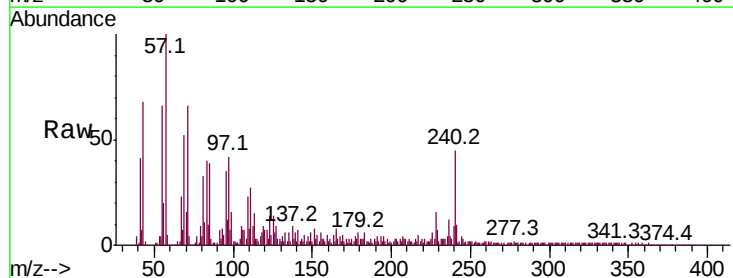
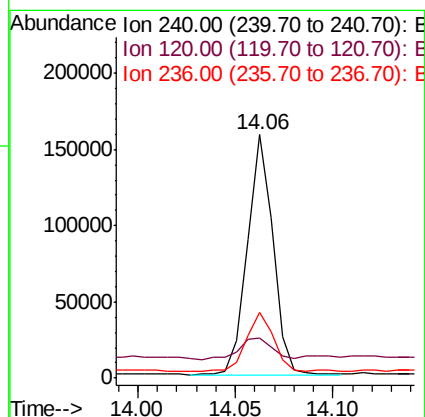
RT: 14.06 min Scan# 2036

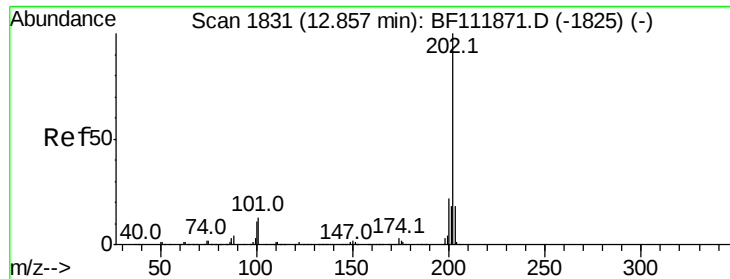
Delta R.T. 0.01 min

Lab File: BF112006.D

Acq: 10 Jan 2019 23:48

Tgt Ion:	240	Resp:	144012
Ion	Ratio	Lower	Upper
240	100		
120	16.4	8.2	12.2#
236	27.0	20.2	30.4





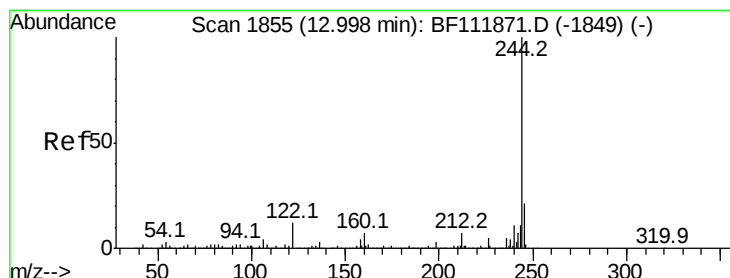
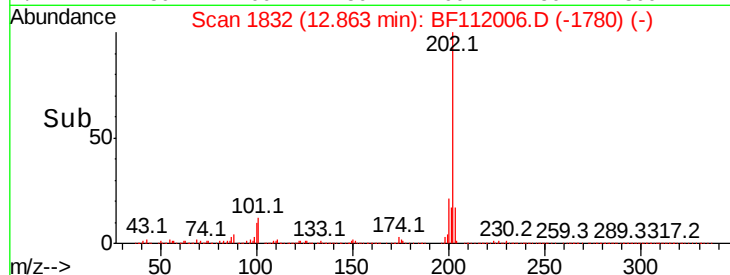
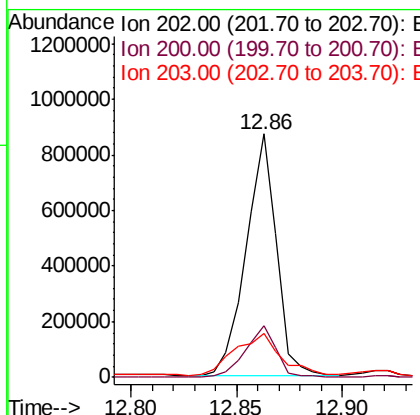
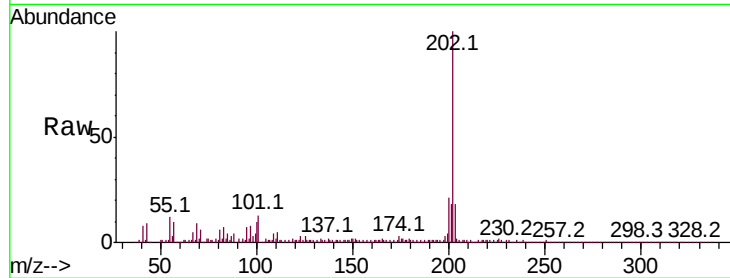
#78
Pvrene
Concen: 87.805 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BF112006.D
Acq: 10 Jan 2019 23:48

Instrument :
BNA_F
ClientSampleId :
CPSB-16(10-15)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	17.4	26.2
203	18.3	14.6	21.8

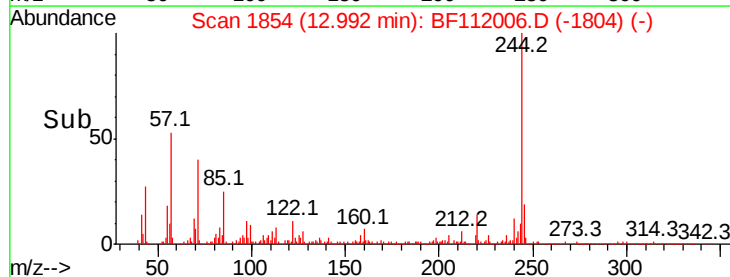
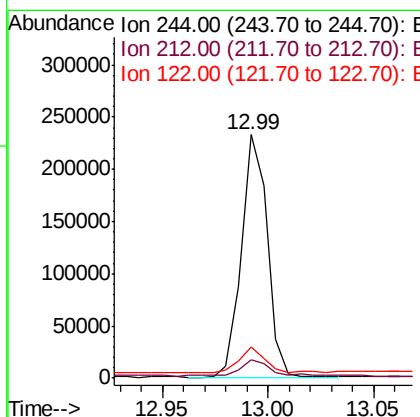
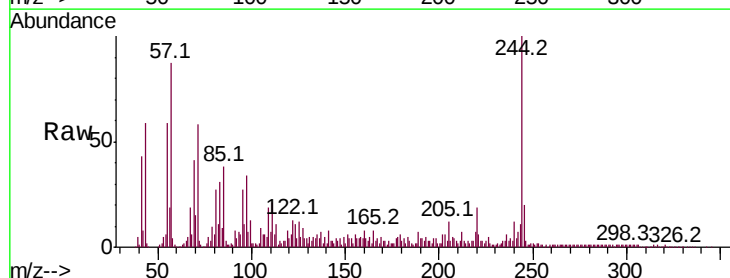
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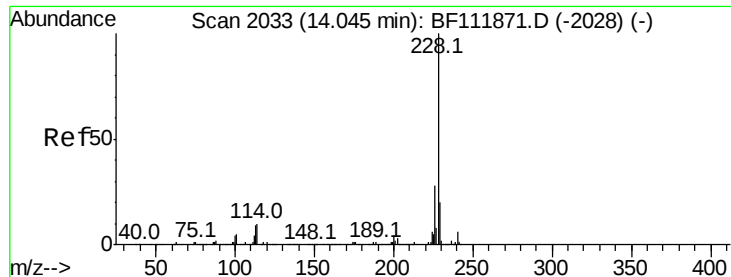
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#79
Terphenyl-d14
Concen: 25.861 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF112006.D
Acq: 10 Jan 2019 23:48

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	5.8	8.8
122	12.9	9.5	14.3





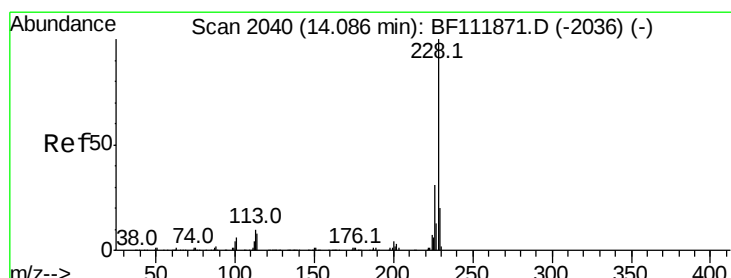
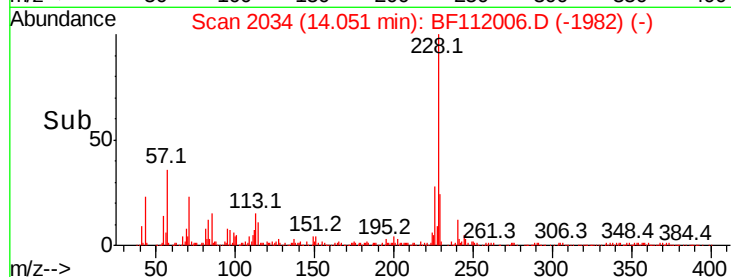
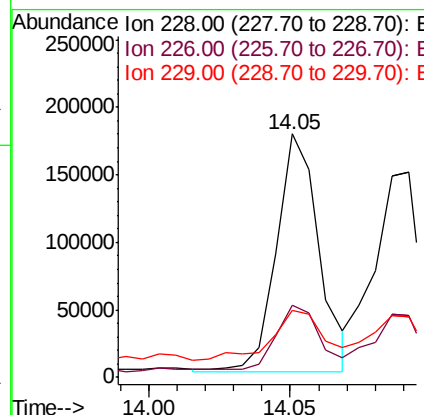
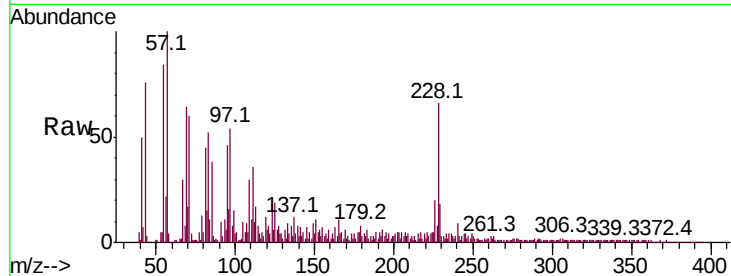
#81
Benzo(a)anthracene
Concen: 22.264 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF112006.D
Acq: 10 Jan 2019 23:48

Instrument :
BNA_F
ClientSampleId :
CPSB-16(10-15)

Tot Ion	Ratio	Resp	Lower	Upper
228	100			
226	29.6	22.2	33.2	
229	27.6	16.2	24.2	

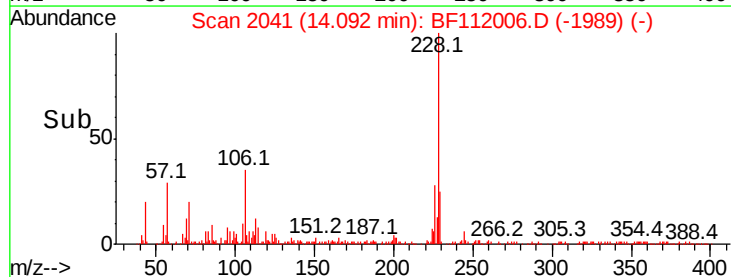
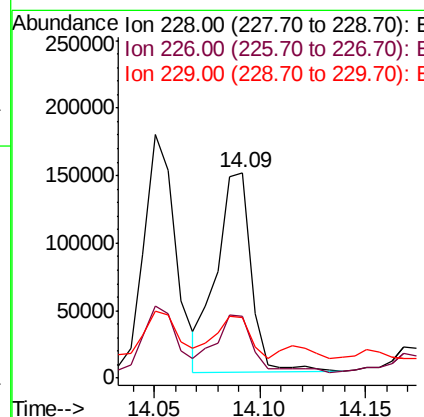
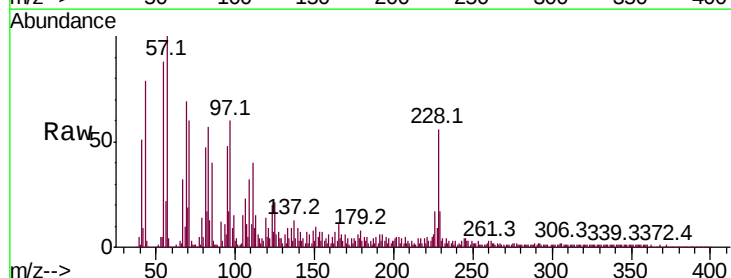
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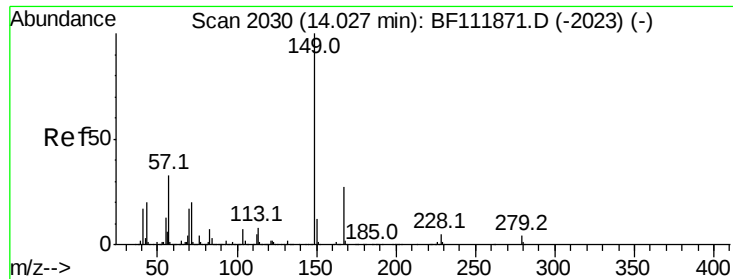
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#83
Chrysene
Concen: 21.455 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.01 min
Lab File: BF112006.D
Acq: 10 Jan 2019 23:48

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	30.2	24.6	37.0	
229	29.6	15.7	23.5	





#84

Bis(2-ethylhexyl)phthalate

Concen: 110.952 ng

RT: 14.03 min Scan# 2031

Delta R.T. 0.01 min

Lab File: BF112006.D

Acq: 10 Jan 2019 23:48

Instrument :

BNA_F

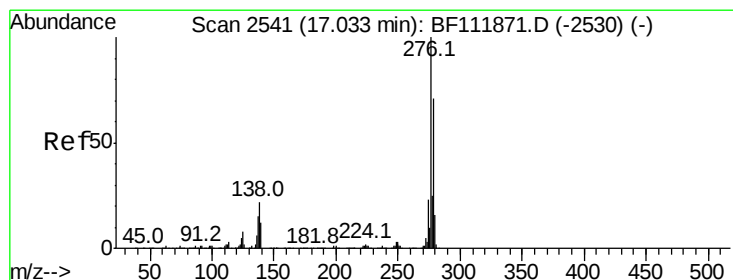
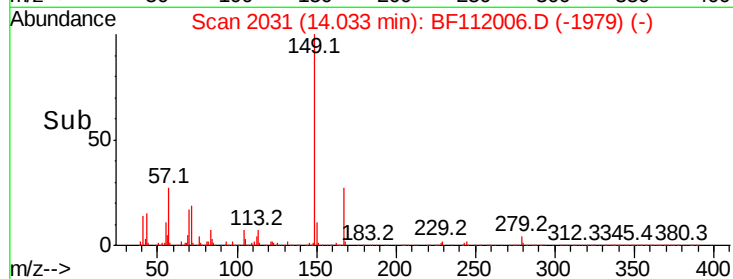
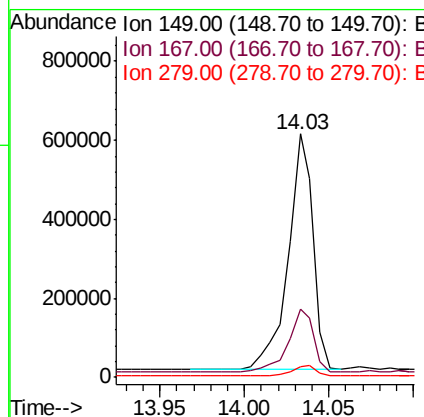
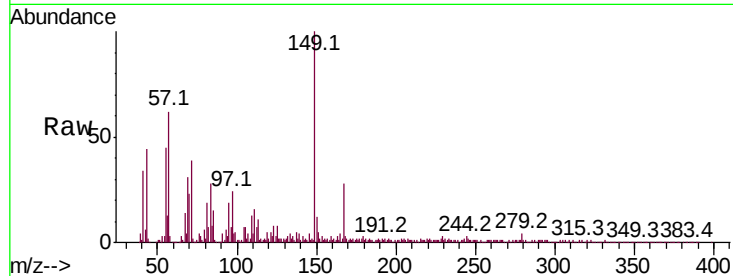
ClientSampleId :

CPSB-16(10-15)

Tot Ion:	149	Resp:	610414
Ion Ratio	Lower	Upper	
149	100		
167	28.2	21.5	32.3
279	4.3	3.0	4.6

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#86

Indeno(1,2,3-cd)pyrene

Concen: 8.329 ng

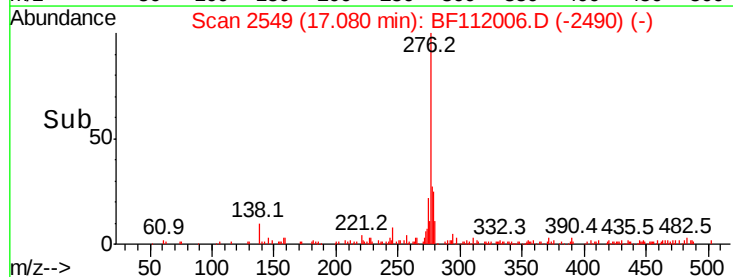
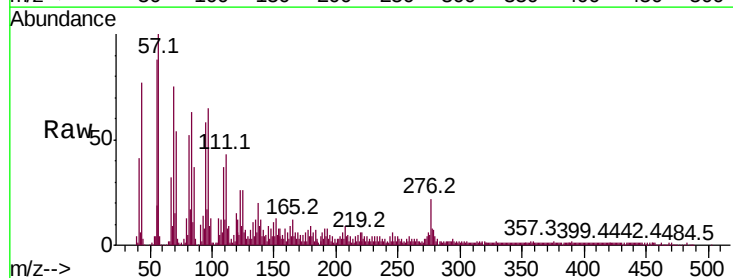
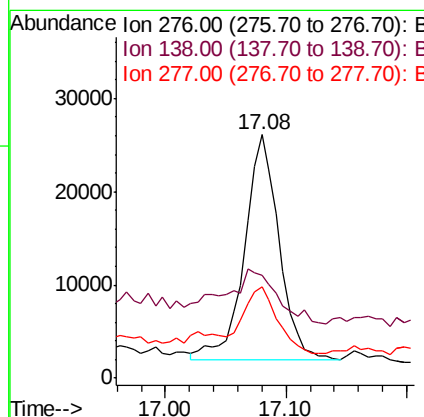
RT: 17.08 min Scan# 2549

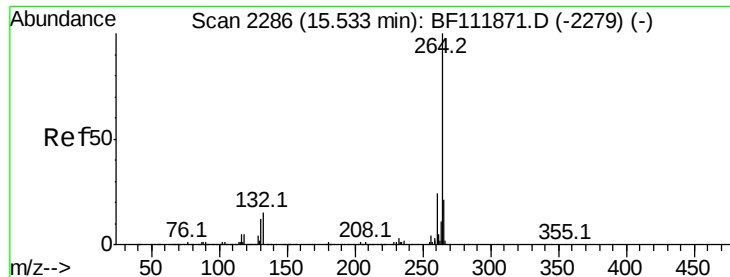
Delta R.T. 0.05 min

Lab File: BF112006.D

Acq: 10 Jan 2019 23:48

Tgt Ion:	276	Resp:	47984
Ion Ratio	Lower	Upper	
276	100		
138	38.3	18.1	27.1#
277	29.7	19.9	29.9





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2292

Delta R.T. 0.04 min

Lab File: BF112006.D

Acq: 10 Jan 2019 23:48

Instrument :

BNA_F

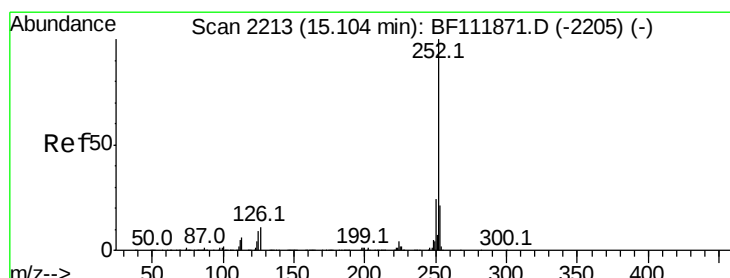
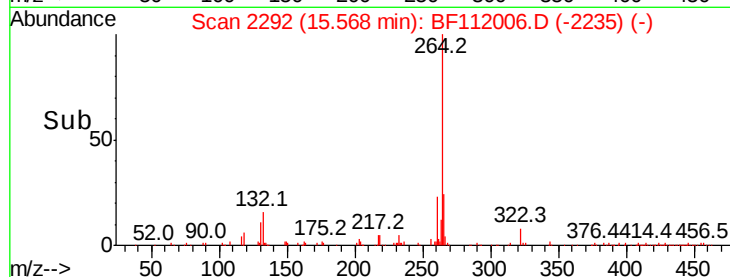
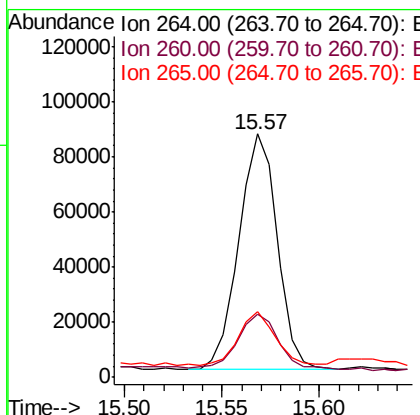
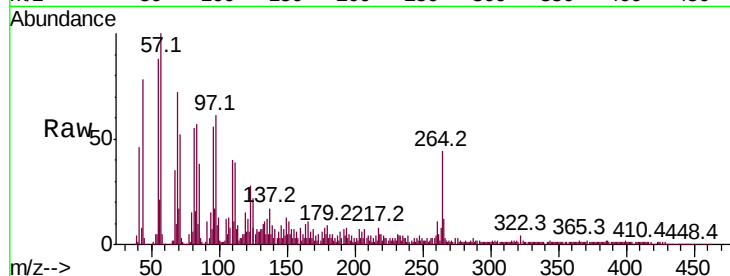
ClientSampleId :

CPSB-16(10-15)

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.2	19.2	28.8
265	27.2	17.1	25.7

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#88

Benzo(b)fluoranthene

Concen: 16.125 ng m

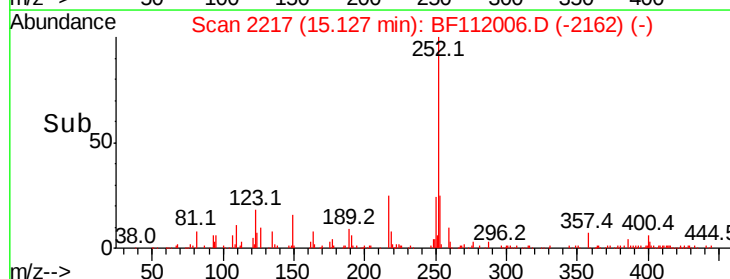
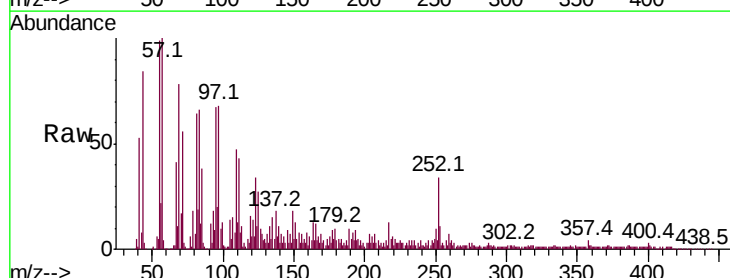
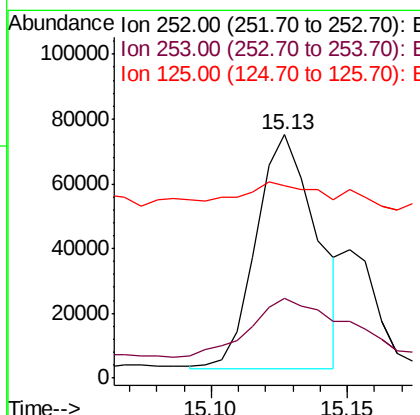
RT: 15.13 min Scan# 2217

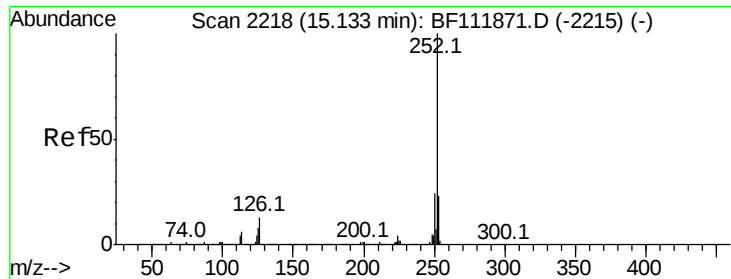
Delta R.T. 0.02 min

Lab File: BF112006.D

Acq: 10 Jan 2019 23:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.0	17.0	25.6
125	78.8	7.1	10.7





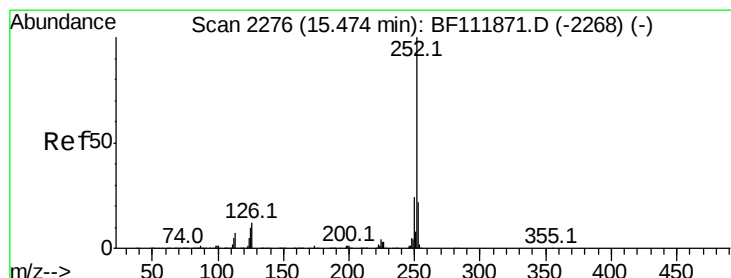
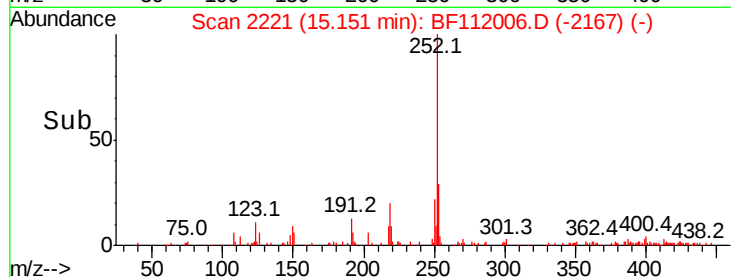
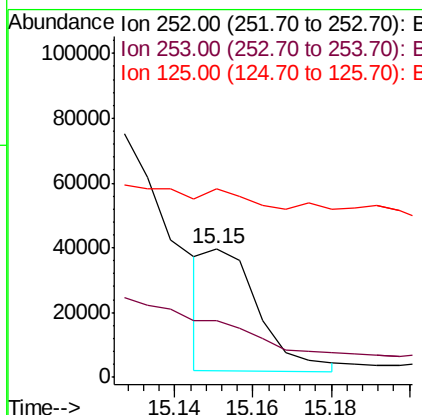
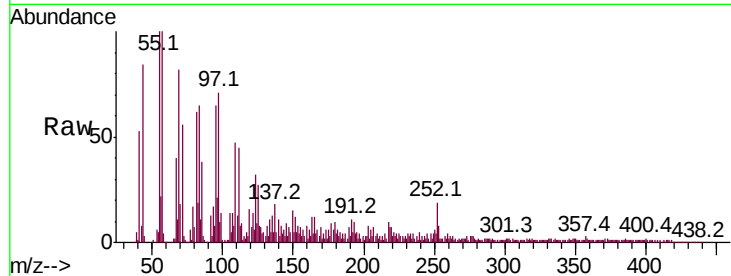
#89
Benzo(k)fluoranthene
Concen: 5.353 ng m
RT: 15.15 min Scan# 2221
Delta R.T. 0.02 min
Lab File: BF112006.D
Acq: 10 Jan 2019 23:48

Instrument :
BNA_F
ClientSampled :
CPSB-16(10-15)

Tot Ion	Ratio	Lower	Upper
252	100		
253	43.7	17.8	26.6#
125	146.9	7.0	10.4#

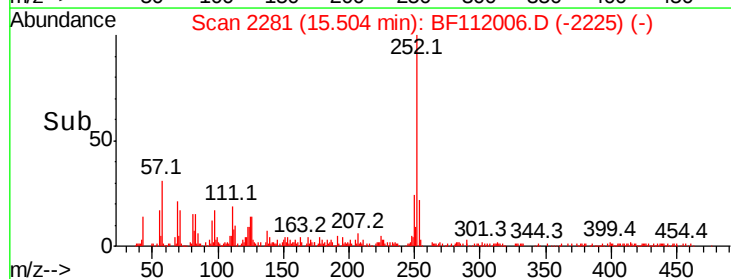
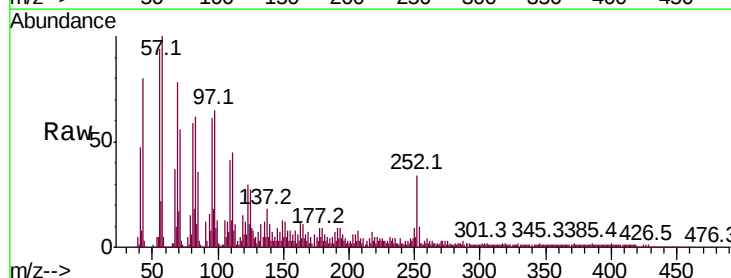
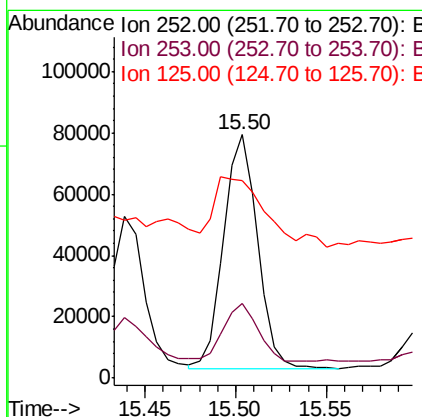
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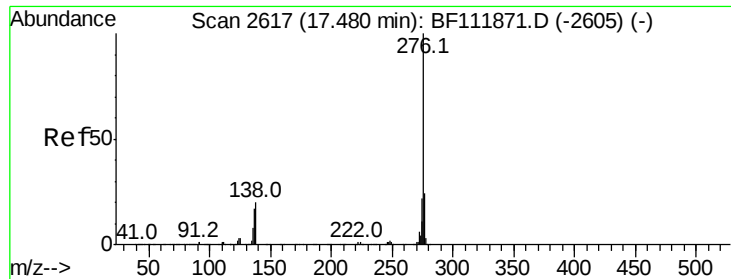
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#90
Benzo(a)pyrene
Concen: 16.379 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.03 min
Lab File: BF112006.D
Acq: 10 Jan 2019 23:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.9	17.4	26.2#
125	81.2	7.9	11.9#





#92

Benzo(a,h,i)perylene

Concen: 9.230 ng

RT: 17.54 min Scan# 2628

Delta R.T. 0.06 min

Lab File: BF112006.D

Acq: 10 Jan 2019 23:48

Instrument :

BNA_F

ClientSampleId :

CPSB-16(10-15)

Tot Ion:276 Resp: 44458

Ion Ratio Lower Upper

276 100

277 33.3 19.0 28.6#

138 41.4 16.2 24.2#

Manual Integrations

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