

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
 Data File : BF100845.D
 Acq On : 23 Nov 2017 1:15
 Operator : SJ/JU
 Sample : I6517-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HP-WC(COMP)

Manual Integrations
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 11/27/2017 3:20:36 PM

Quant Time: Nov 27 11:22:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 15:22:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	74545	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	278360	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	120531	20.00	ng	-0.02
63) Phenanthrene-d10	11.39	188	177914	20.00	ng	-0.02
75) Chrysene-d12	14.03	240	130787m	20.00	ng	-0.02
86) Perylene-d12	15.50	264	157654	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	101901	21.91	ng	-0.02
7) Phenol-d6	6.48	99	122945	21.44	ng	-0.03
23) Nitrobenzene-d5	7.42	82	73687	17.50	ng	-0.04
41) 2,4,6-Tribromophenol	10.68	330	28024	22.82	ng	-0.03
44) 2-Fluorobiphenyl	9.22	172	148767	18.79	ng	-0.02
78) Terphenyl-d14	12.97	244	86393	15.18	ng	-0.02
Target Compounds						
70) Phenanthrene	11.41	178	141192	15.073	ng	Qvalue 97
71) Anthracene	11.46	178	25054	2.636	ng	96
74) Fluoranthene	12.60	202	188389	18.976	ng	92
77) Pyrene	12.83	202	190757	20.461	ng	96
80) Benzo(a)anthracene	14.02	228	86944	11.039	ng	97
82) Chrysene	14.05	228	78027	10.231	ng	97
83) Bis(2-ethylhexyl)phthalate	14.00	149	23803	4.760	ng	# 81
85) Indeno(1,2,3-cd)pyrene	16.97	276	61138	9.911	ng	# 92
87) Benzo(b)fluoranthene	15.07	252	114655m	12.275	ng	
88) Benzo(k)fluoranthene	15.09	252	33583m	3.805	ng	
89) Benzo(a)pyrene	15.43	252	92670	11.192	ng	96
90) Dibenzo(a,h)anthracene	16.97	278	15849m	2.340	ng	
91) Benzo(a,h,i)perylene	17.42	276	67174	10.134	ng	# 93

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

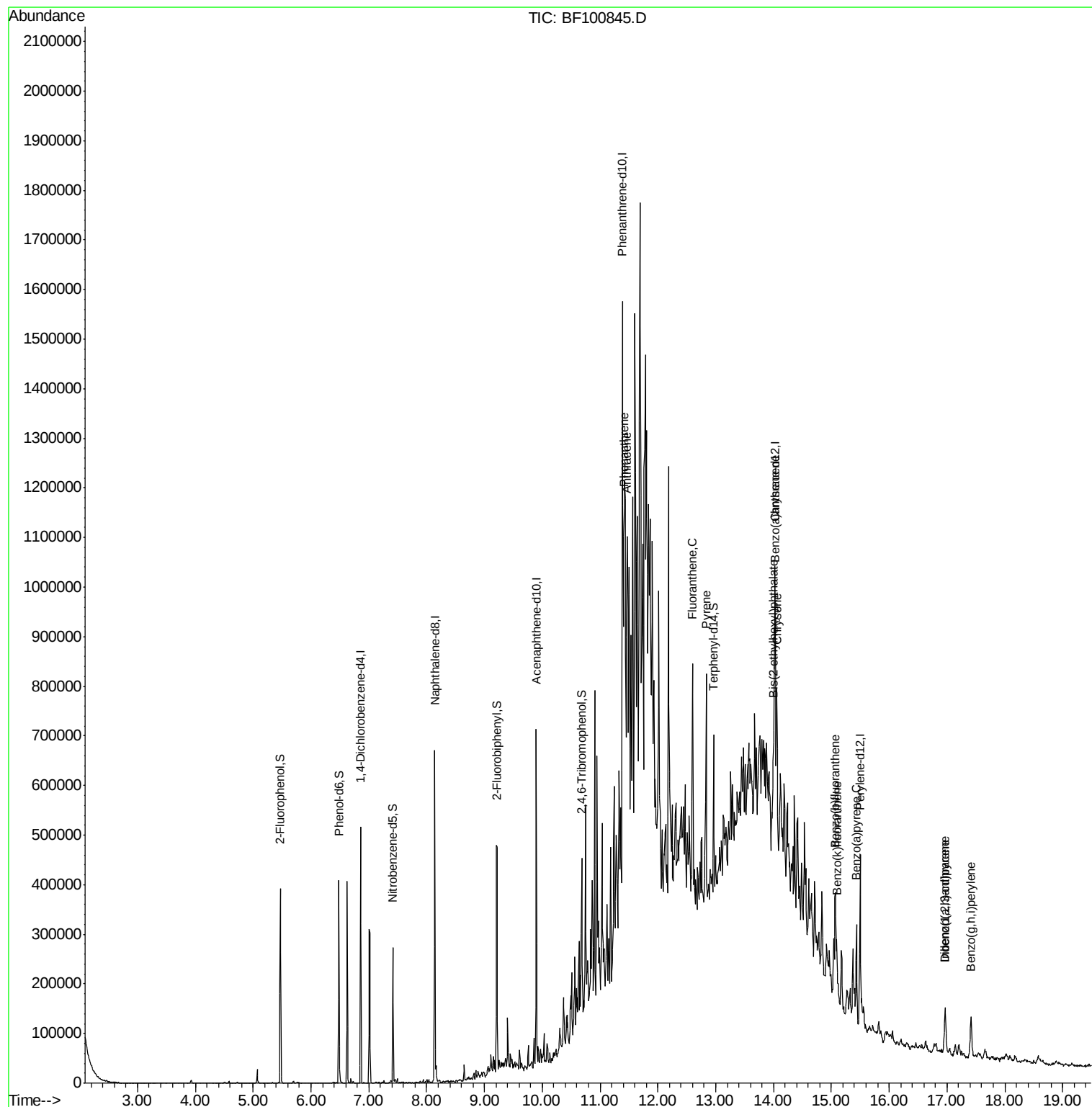
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\
Data File : BF100845.D
Acq On : 23 Nov 2017 1:15
Operator : SJ/JU
Sample : I6517-01 5X
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ALS Vial : 18 Sample Multiplier: 1

Instrument :
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Response via : Initial Calibration





#1

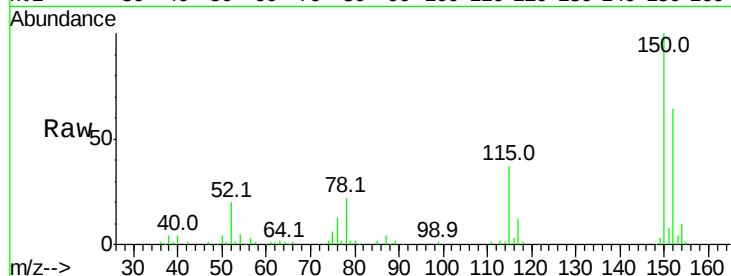
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF100845.D
Acq: 23 Nov 2017 1:15

Instrument :
BNA_F
ClientSampleId :
HP-WC(COMP)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	57.4	50.1	75.1

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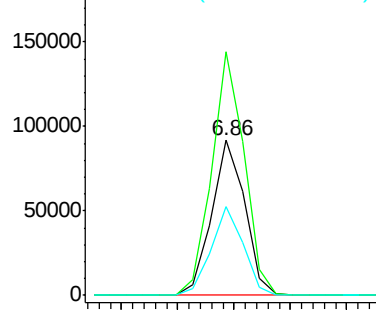


Abundance

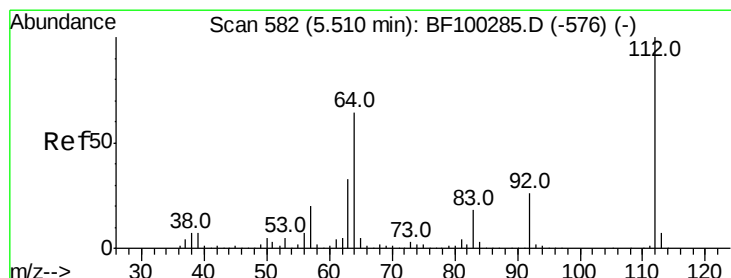
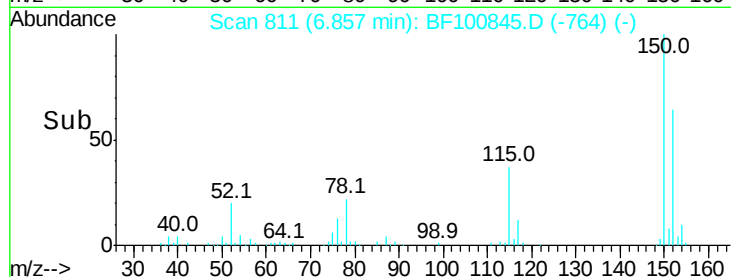
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



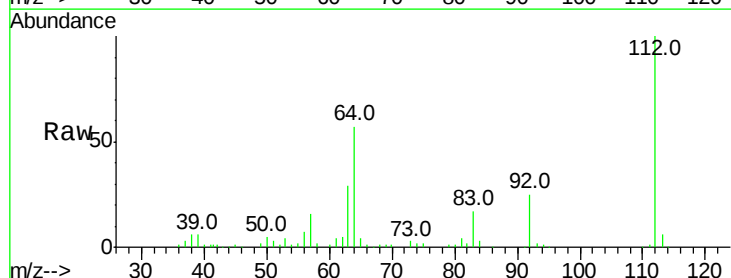
Time-->



#5

2-Fluorophenol
Concen: 21.912 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.02 min
Lab File: BF100845.D
Acq: 23 Nov 2017 1:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	47.9	71.9
63	28.7	23.7	35.5

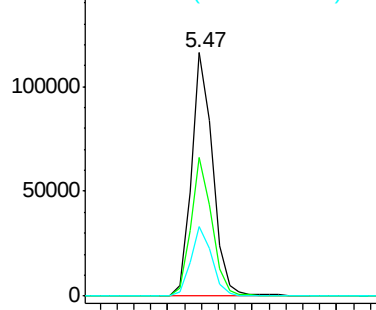


Abundance

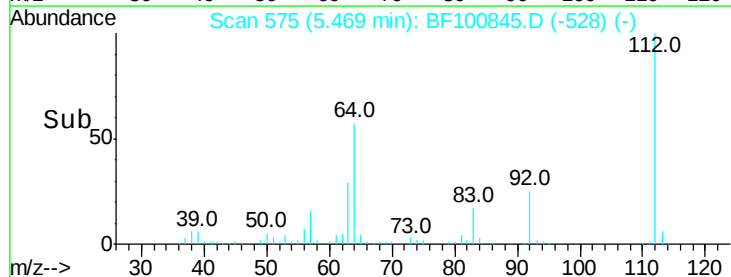
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



Time-->





#7

Phenol-d6

Concen: 21.439 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.03 min

Lab File: BF100845.D

Acq: 23 Nov 2017 1:15

Instrument :

BNA_F

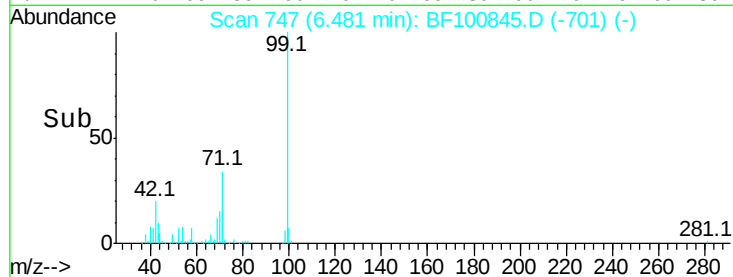
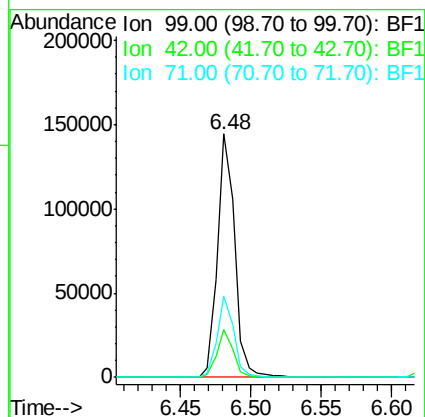
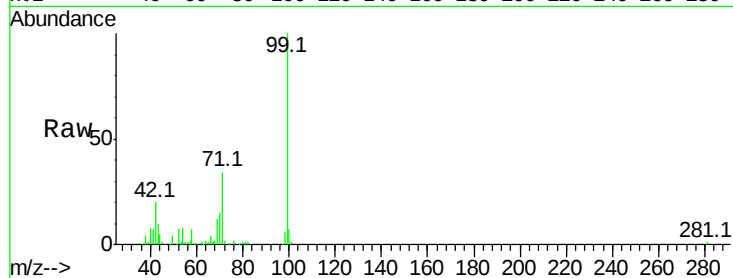
ClientSampleId :

HP-WC(COMP)

Tot Ion:	99	Resp:	122945
Ion Ratio	Lower	Upper	
99	100		
42	19.8	14.5	21.7
71	33.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

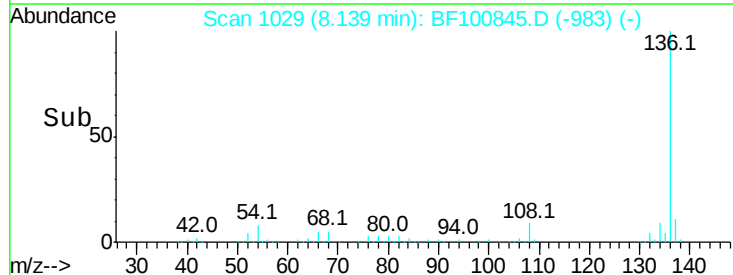
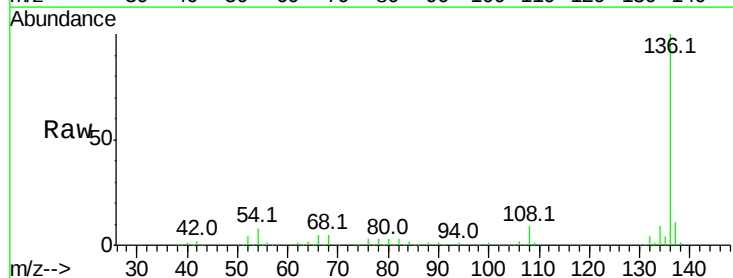
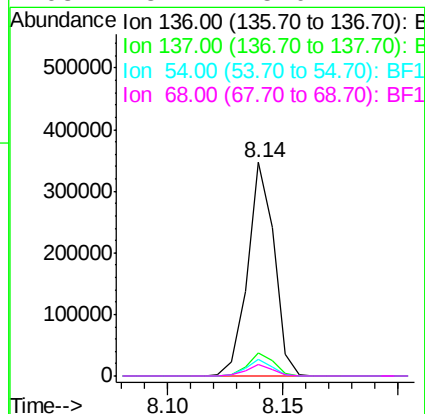
RT: 8.14 min Scan# 1029

Delta R.T. -0.03 min

Lab File: BF100845.D

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Tgt Ion:	136	Resp:	278360
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	7.7	6.6	9.8
68	5.4	5.0	7.4





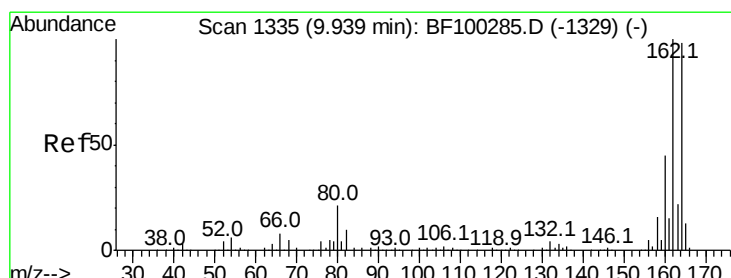
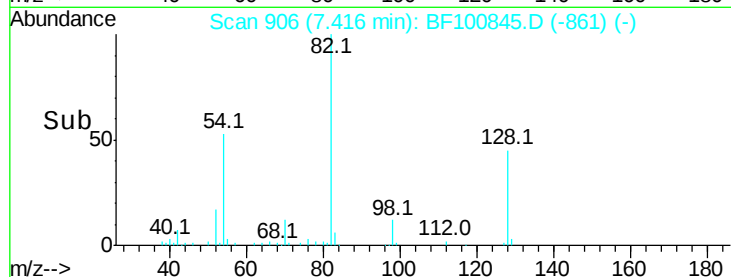
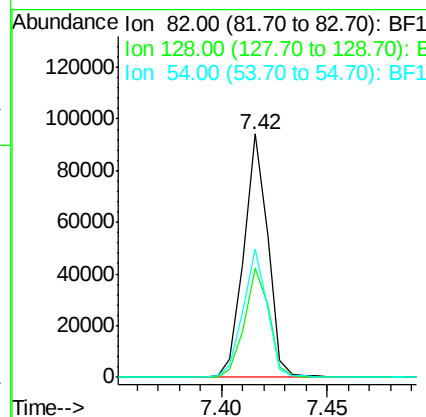
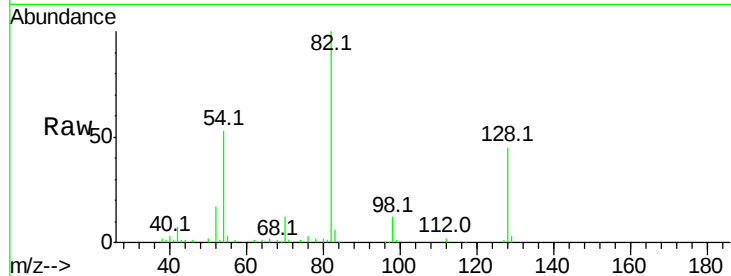
#23
 Nitrobenzene-d5
 Concen: 17.501 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.04 min
 Lab File: BF100845.D
 Acq: 23 Nov 2017 1:15

Instrument :
 BNA_F
 ClientSampleId :
 HP-WC(COMP)

Tot Ion:	82	Resp:	73687
Ion Ratio	Lower	Upper	
82	100		
128	44.8	36.1	54.1
54	52.5	41.4	62.2

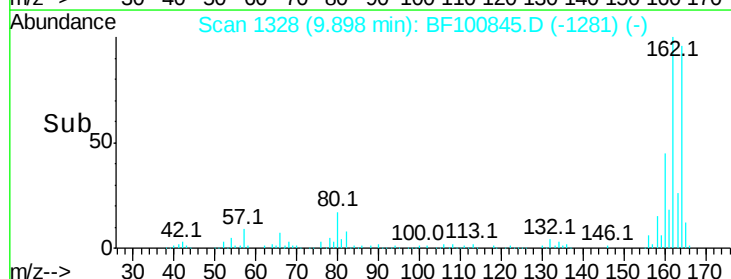
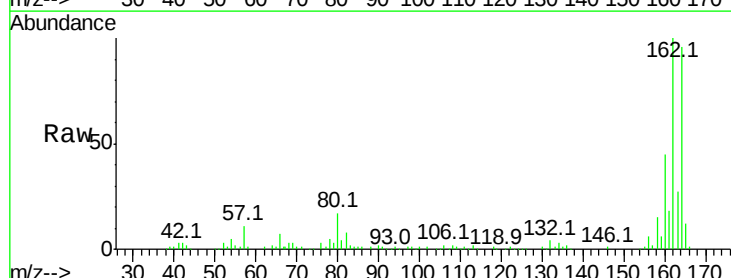
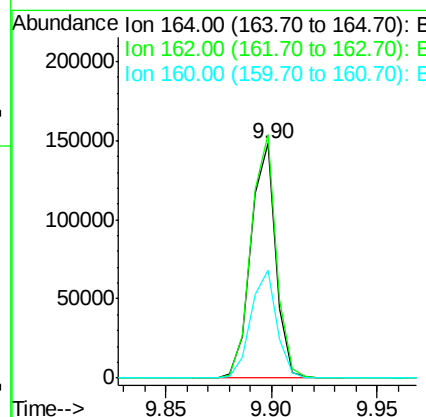
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.02 min
 Lab File: BF100845.D
 Acq: 23 Nov 2017 1:15

Tgt Ion:	164	Resp:	120531
Ion Ratio	Lower	Upper	
164	100		
162	103.8	86.1	129.1
160	46.3	38.3	57.5





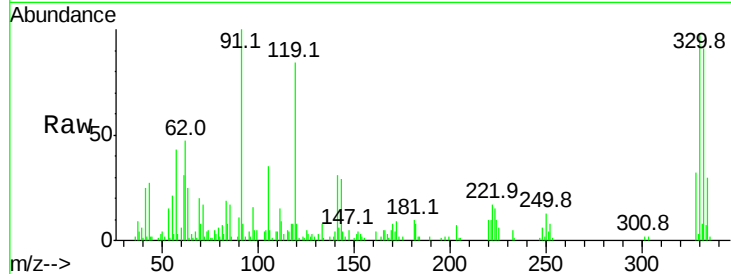
#41
 2,4,6-Tribromophenol
 Concen: 22.817 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.03 min
 Lab File: BF100845.D
 Acq: 23 Nov 2017 1:15

Instrument :
 BNA_F
 ClientSampleId :
 HP-WC(COMP)

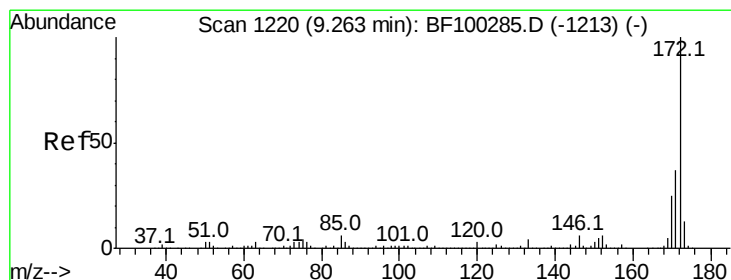
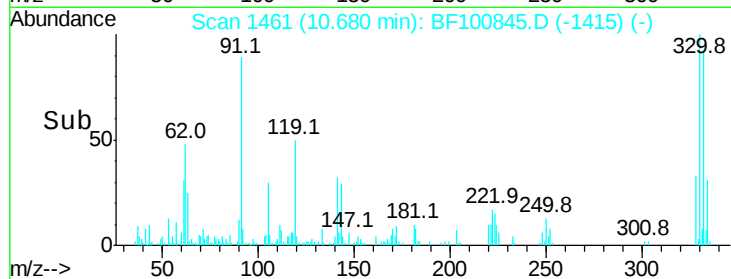
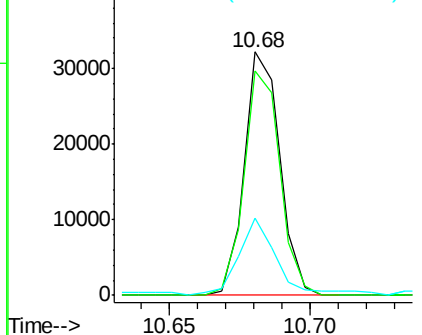
Tot Ion	Ratio	Lower	Upper
330	100		
332	93.6	77.0	115.6
141	34.9	29.9	44.9

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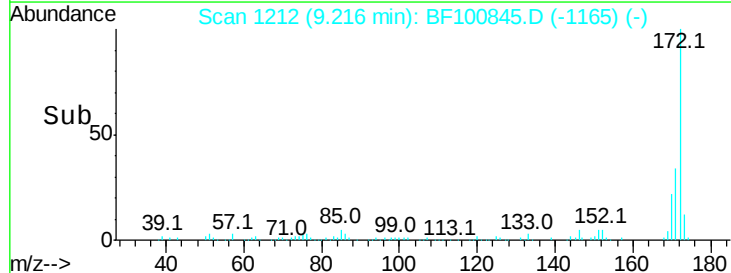
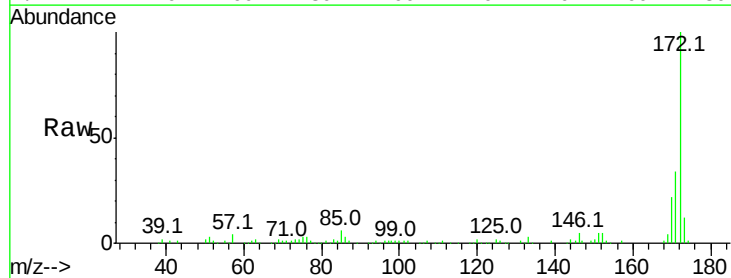
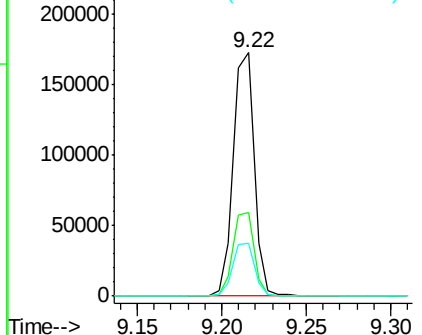
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

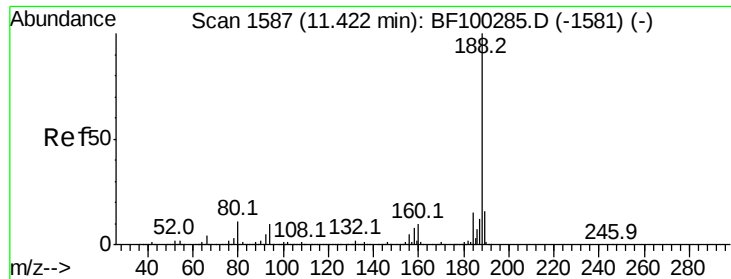


#44
 2-Fluorobiphenyl
 Concen: 18.794 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. -0.02 min
 Lab File: BF100845.D
 Acq: 23 Nov 2017 1:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	29.7	44.5
170	22.0	19.6	29.4

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





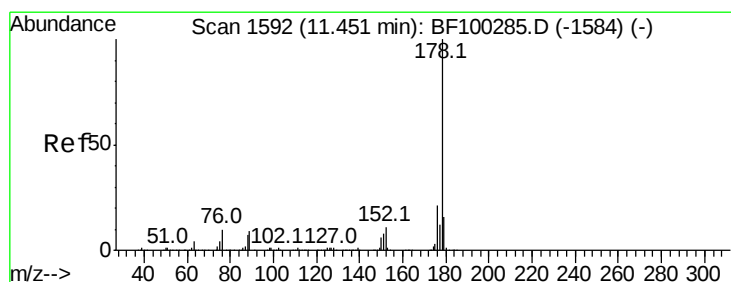
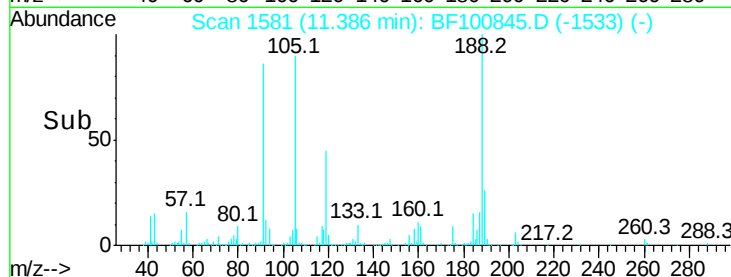
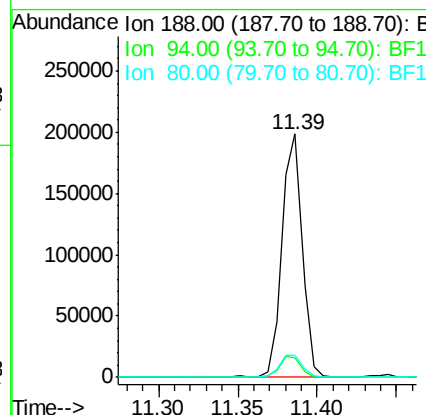
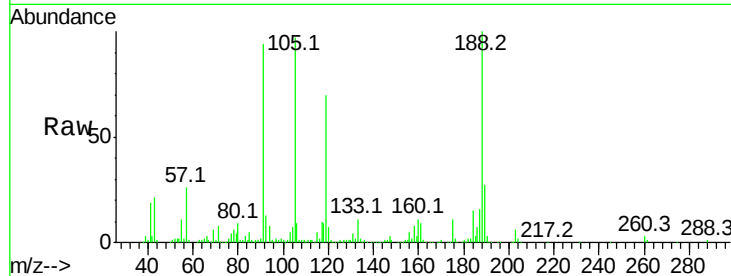
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF100845.D
Acq: 23 Nov 2017 1:15

Instrument :
BNA_F
ClientSampled :
HP-WC(COMP)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.2	8.5	12.7#
80	9.1	9.2	13.8#

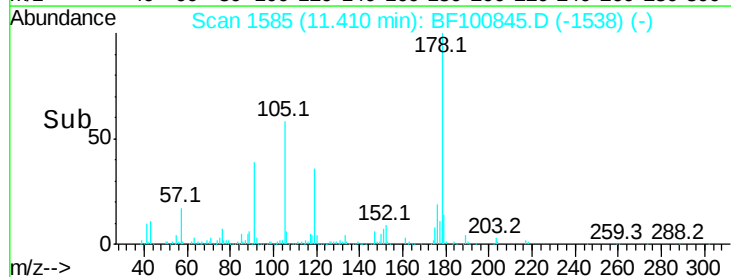
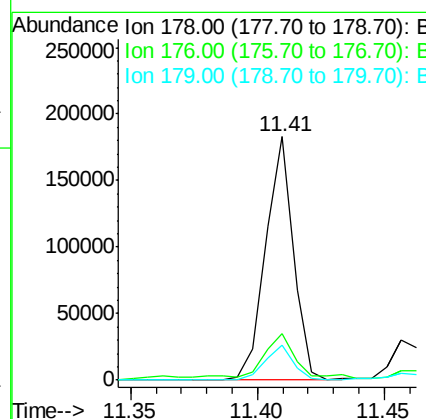
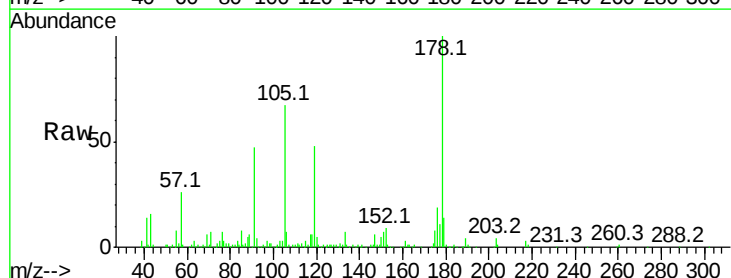
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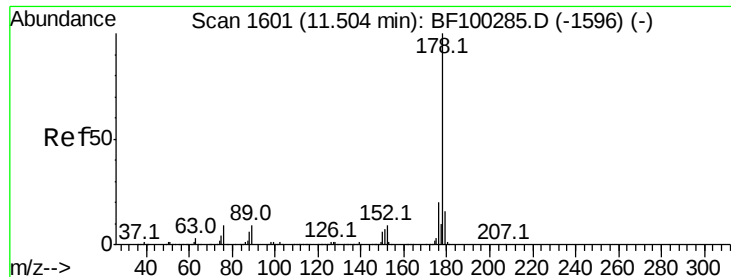
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#70
Phenanthrene
Concen: 15.073 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.02 min
Lab File: BF100845.D
Acq: 23 Nov 2017 1:15

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	15.8	23.8
179	14.2	13.0	19.6





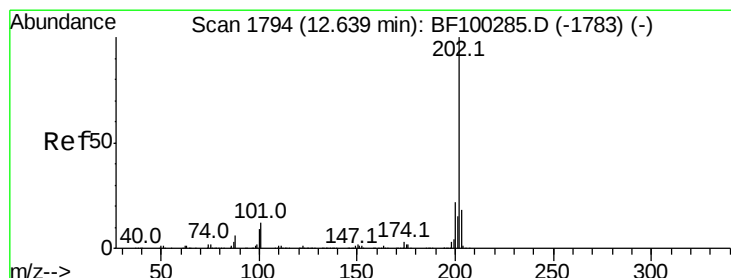
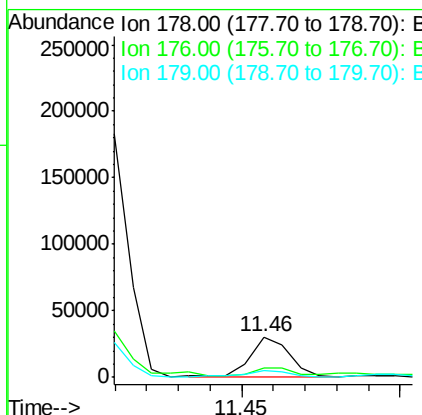
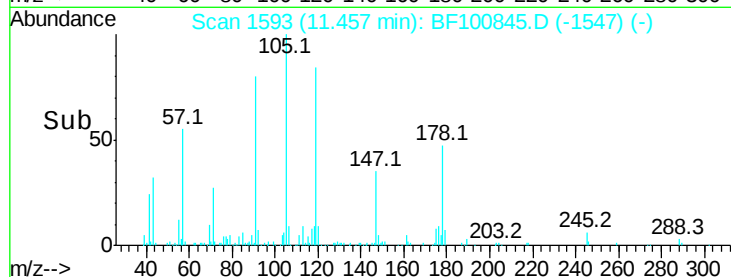
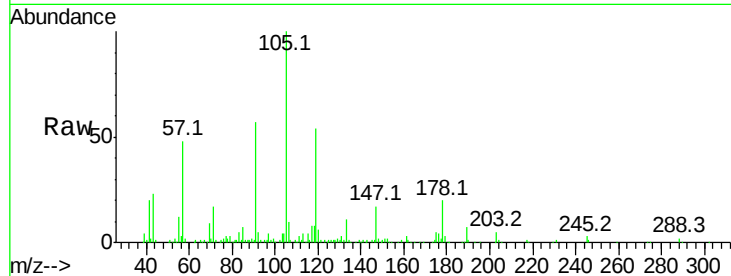
#71
 Anthracene
 Concen: 2.636 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.03 min
 Lab File: BF100845.D
 Acq: 23 Nov 2017 1:15

Instrument :
 BNA_F
 ClientSampled :
 HP-WC(COMP)

Tot Ion	Ratio	Lower	Upper
178	100		
176	22.7	15.4	23.2
179	15.9	12.6	19.0

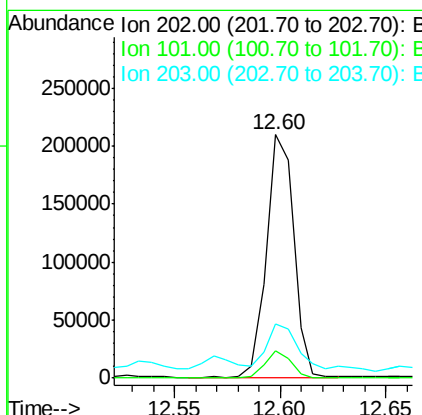
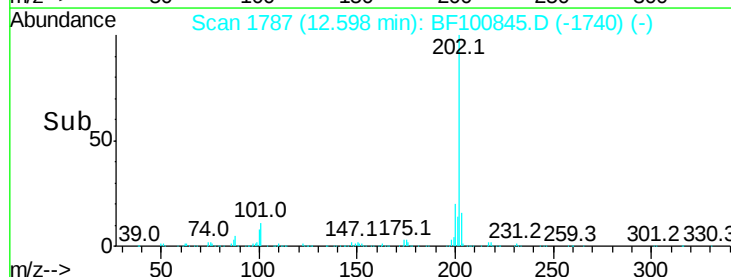
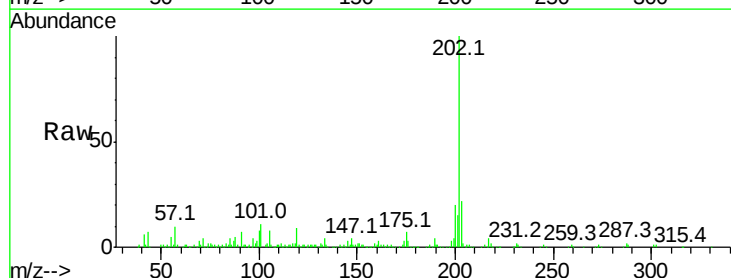
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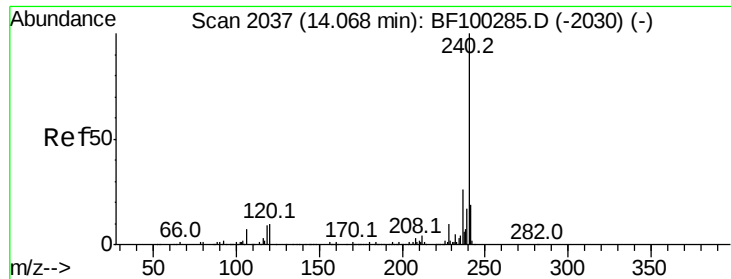
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#74
 Fluoranthene
 Concen: 18.976 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. -0.02 min
 Lab File: BF100845.D
 Acq: 23 Nov 2017 1:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	34.1
203	22.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng/mL

RT: 14.03 min Scan# 2030

Delta R.T. -0.02 min

Lab File: BF100845.D

Acq: 23 Nov 2017 1:15

Instrument :

BNA_F

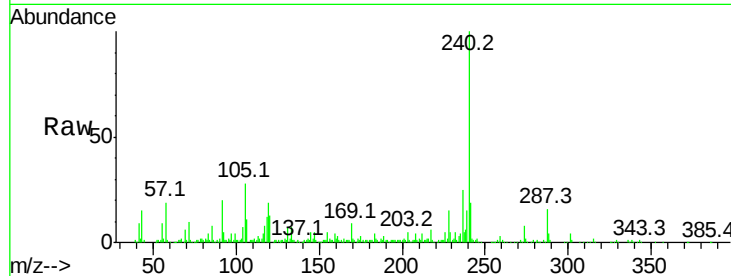
ClientSampleId :

HP-WC(COMP)

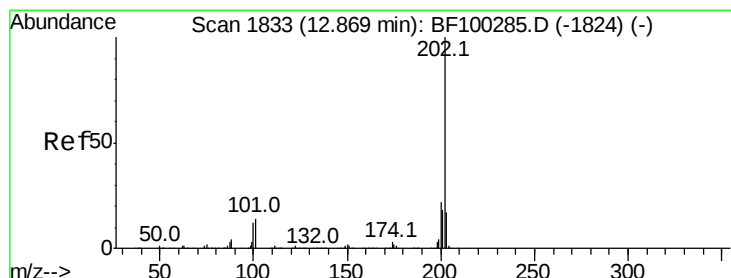
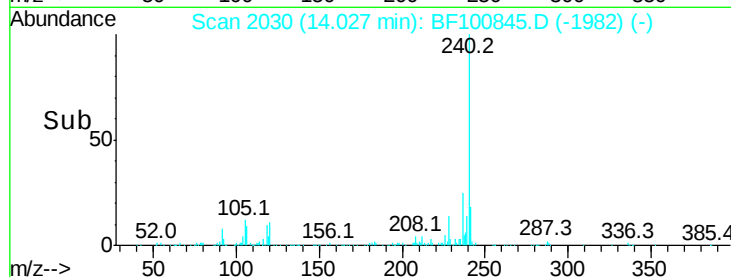
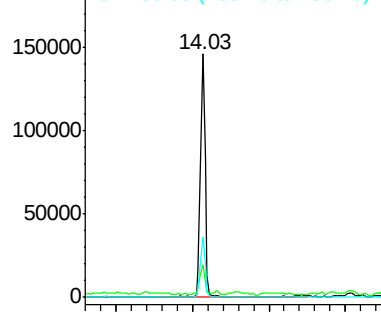
Tot Ion:	240	Resp:	130787
Ion Ratio	Lower	Upper	
240	100		
120	13.1	9.5	14.3
236	24.9	20.7	31.1

Manual Integrations
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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



#77

Pyrene

Concen: 20.461 ng/mL

RT: 12.83 min Scan# 1827

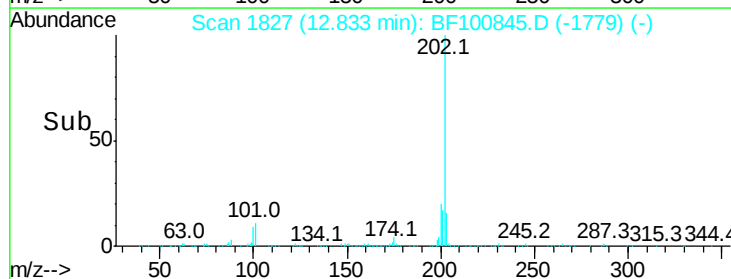
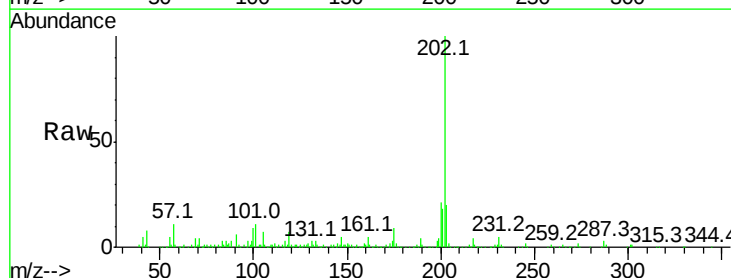
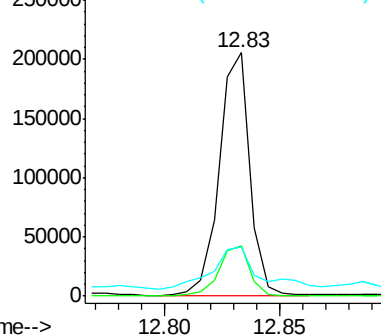
Delta R.T. -0.02 min

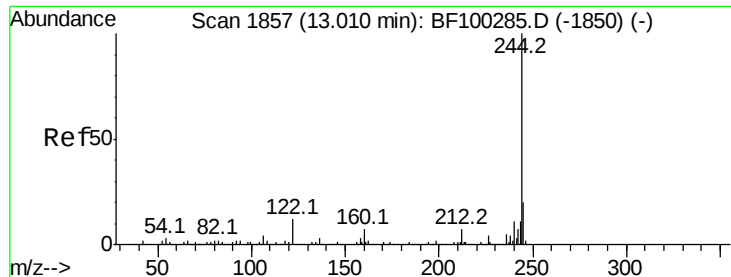
Lab File: BF100845.D

Acq: 23 Nov 2017 1:15

Tgt Ion:	202	Resp:	190757
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.4	26.2
203	20.1	14.3	21.5

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





#78

Terphenyl-d14

Concen: 15.178 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.02 min

Lab File: BF100845.D

Acq: 23 Nov 2017 1:15

Instrument :

BNA_F

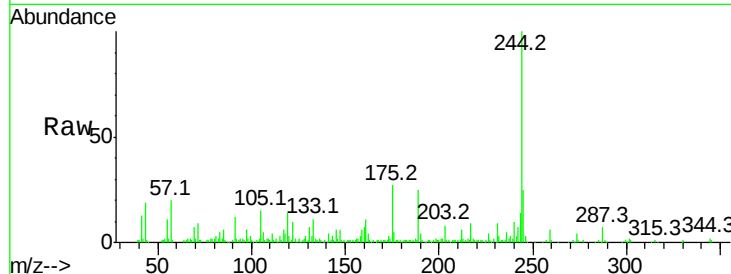
ClientSampleId :

HP-WC(COMP)

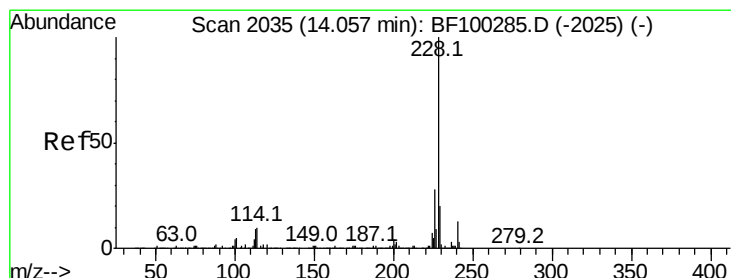
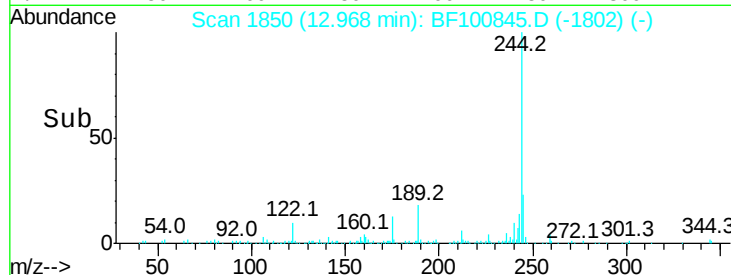
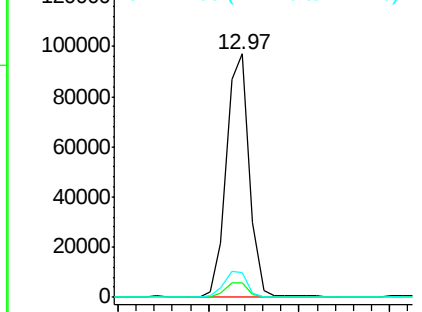
Tot Ion:	244	Resp:	86393
Ion Ratio	Lower	Upper	
244	100		
212	5.7	5.4	8.0
122	10.0	11.0	16.4

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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



#80

Benzo(a)anthracene

Concen: 11.039 ng

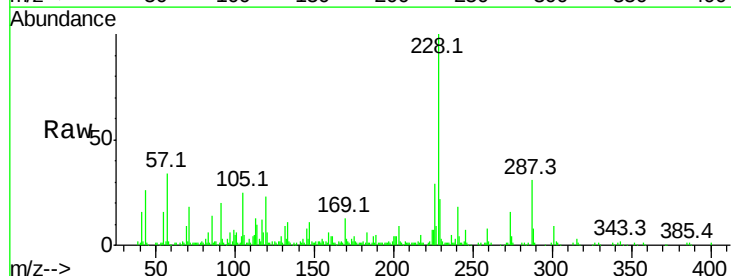
RT: 14.02 min Scan# 2028

Delta R.T. -0.02 min

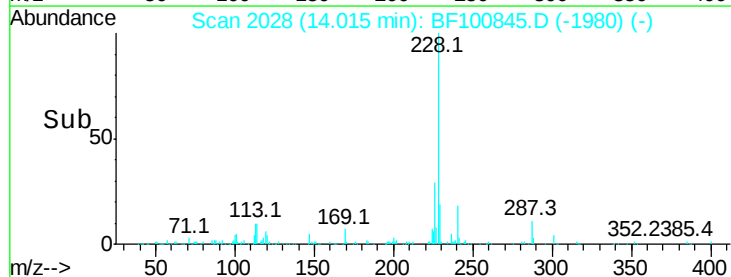
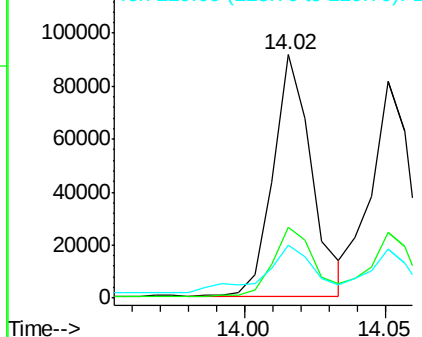
Lab File: BF100845.D

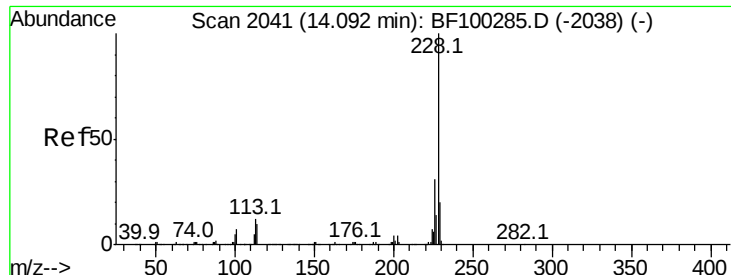
Acq: 23 Nov 2017 1:15

Tgt Ion:	228	Resp:	86944
Ion Ratio	Lower	Upper	
228	100		
226	29.0	22.6	33.8
229	21.7	15.8	23.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





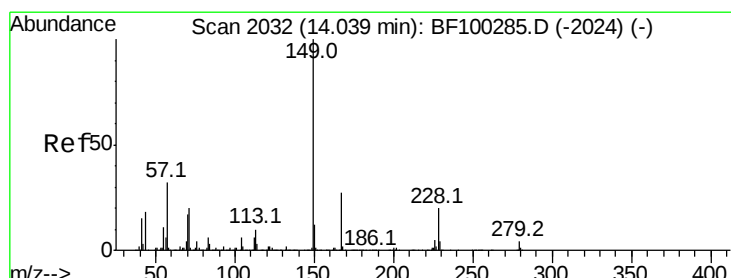
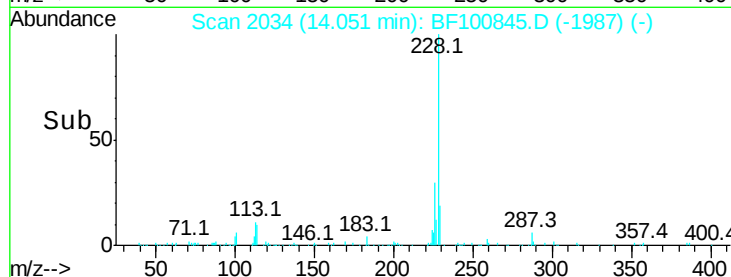
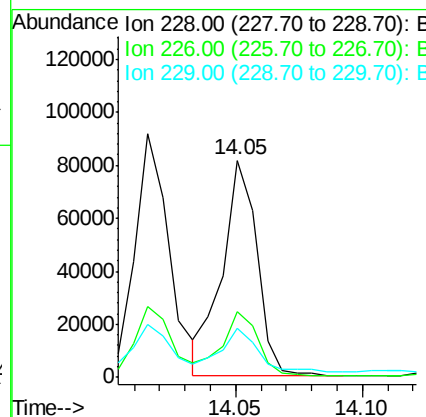
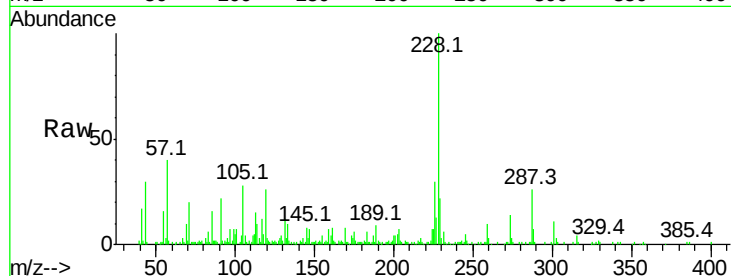
#82
Chrysene
Concen: 10.231 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF100845.D
Acq: 23 Nov 2017 1:15

Instrument :
BNA_F
ClientSampleId :
HP-WC(COMP)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	22.4	16.2	24.4

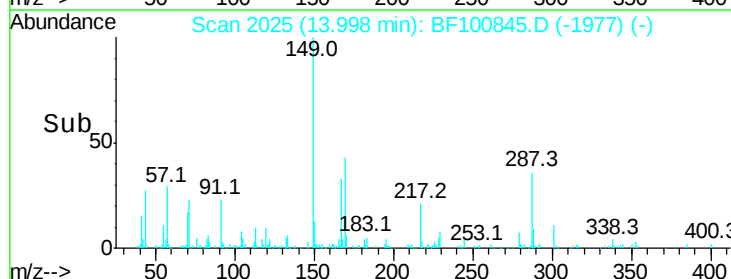
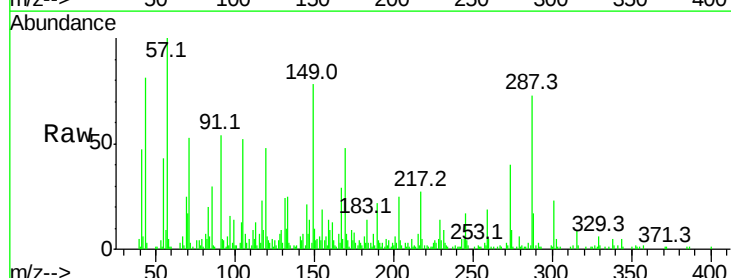
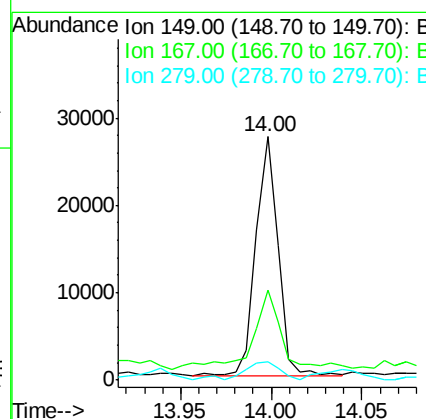
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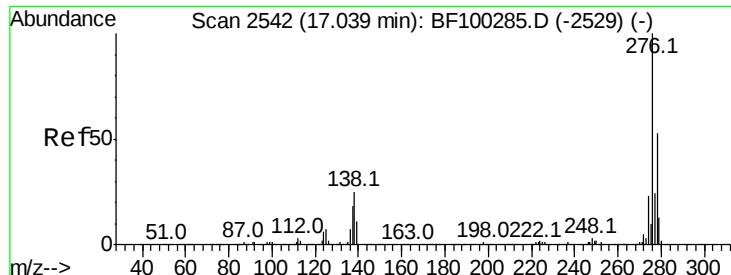
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#83
Bis(2-ethylhexyl)phthalate
Concen: 4.760 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF100845.D
Acq: 23 Nov 2017 1:15

Tgt Ion	Ratio	Lower	Upper
149	100		
167	36.8	21.3	31.9#
279	7.6	3.0	4.4#





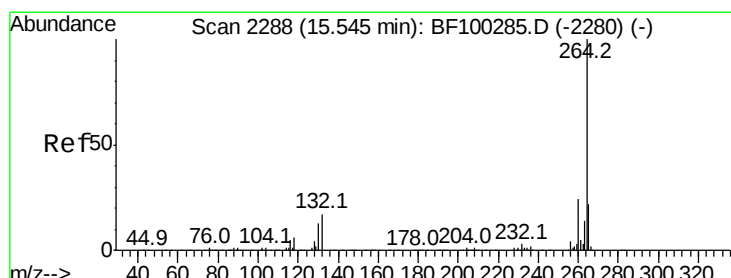
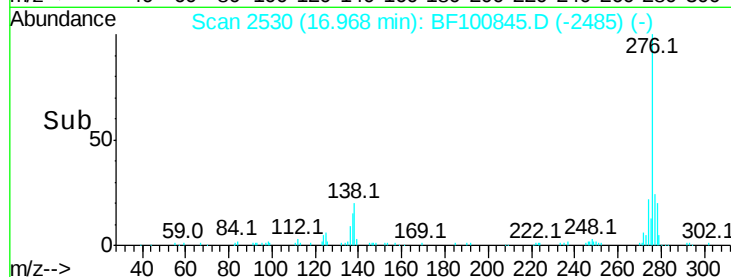
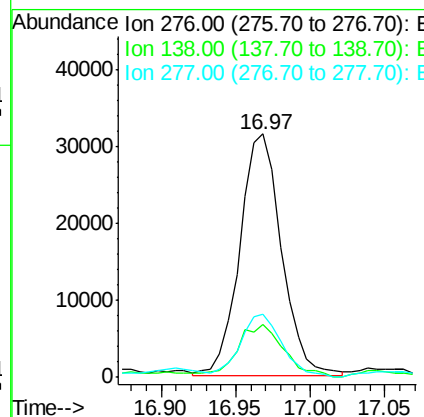
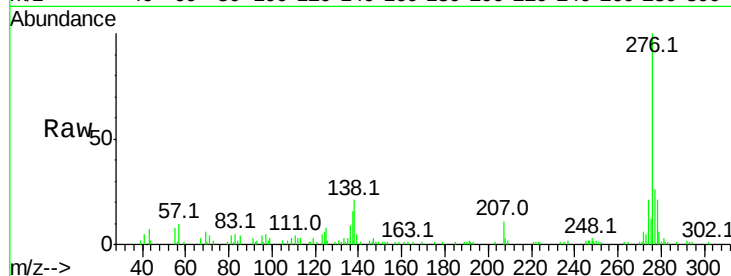
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.911 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.04 min
Lab File: BF100845.D
Acq: 23 Nov 2017 1:15

Instrument :
BNA_F
ClientSampleId :
HP-WC(COMP)

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.0	25.0	37.6#
277	26.3	20.1	30.1

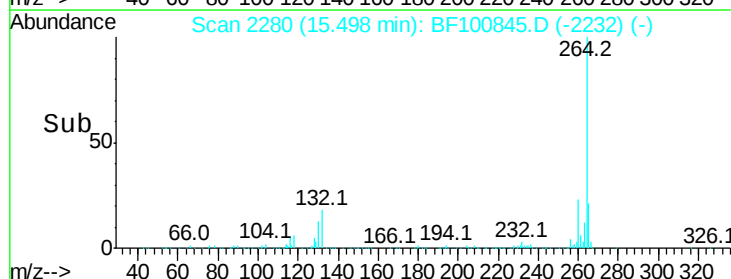
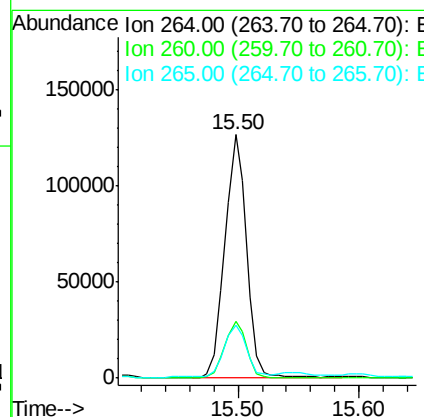
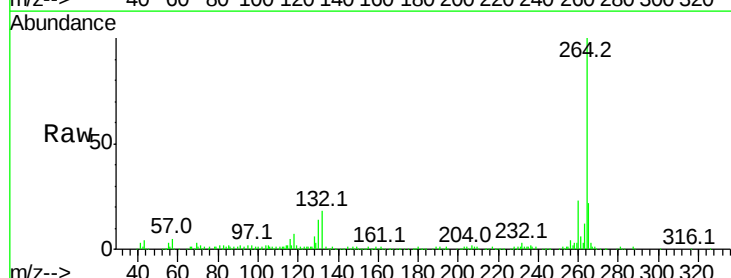
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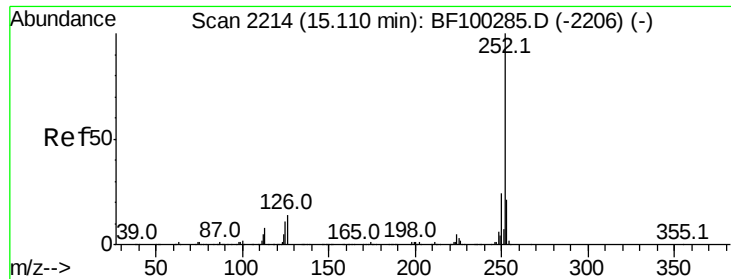
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BF100845.D
Acq: 23 Nov 2017 1:15

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.5	17.5	26.3





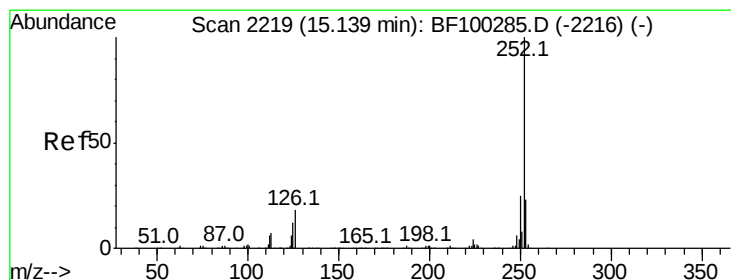
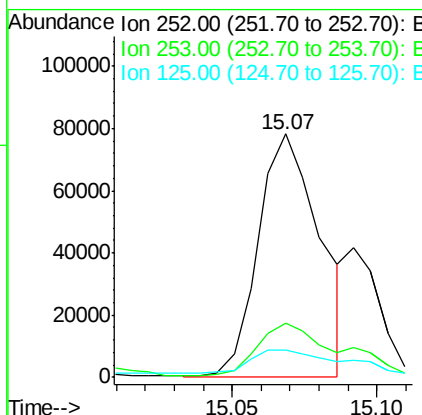
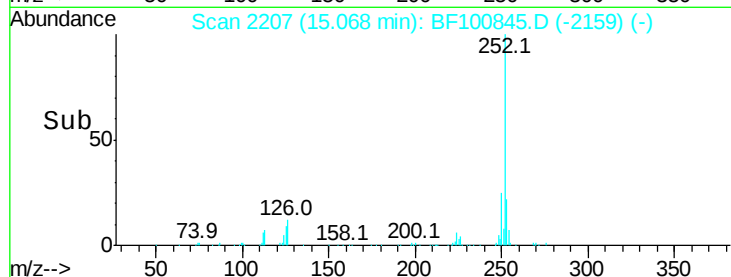
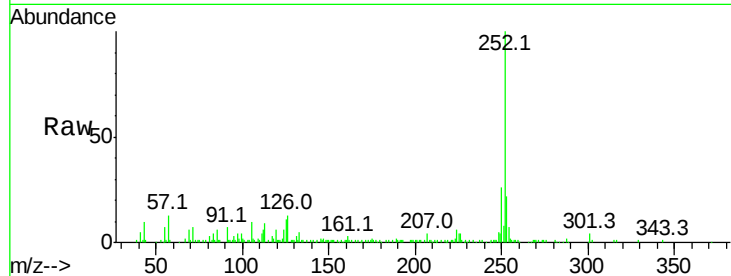
#87
Benzo(b)fluoranthene
Concen: 12.275 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.02 min
Lab File: BF100845.D
Acq: 23 Nov 2017 1:15

Instrument :
BNA_F
ClientSampled :
HP-WC(COMP)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	11.2	9.0	13.6

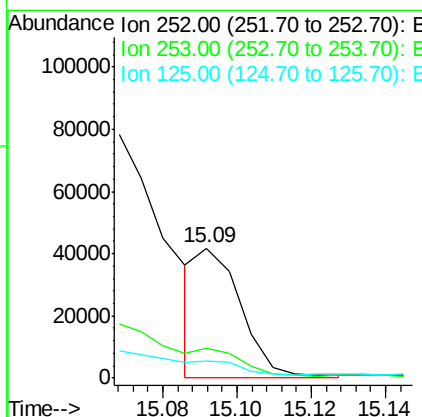
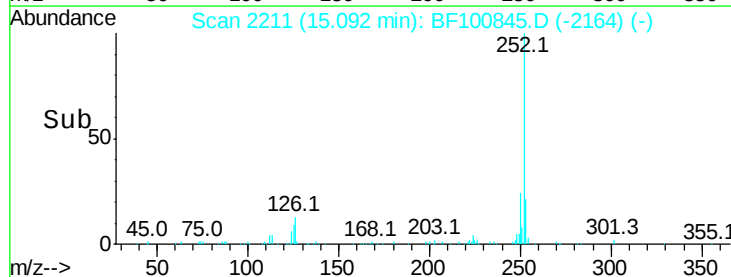
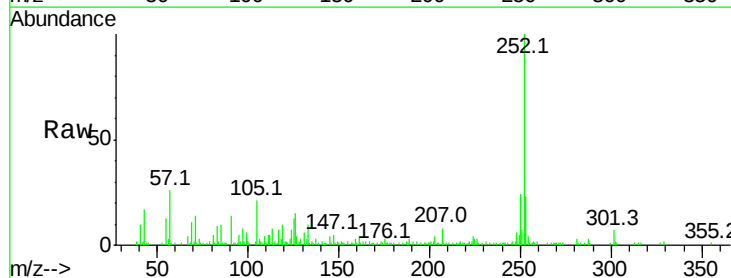
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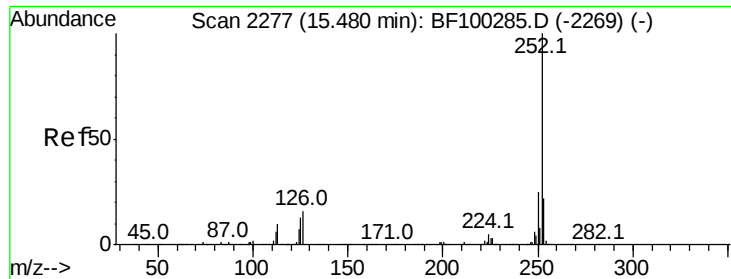
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#88
Benzo(k)fluoranthene
Concen: 3.805 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF100845.D
Acq: 23 Nov 2017 1:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	13.0	10.2	15.2





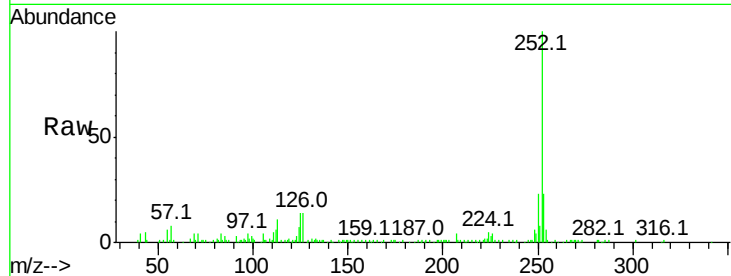
#89
Benzo(a)pyrene
Concen: 11.192 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF100845.D
Acq: 23 Nov 2017 1:15

Instrument :
BNA_F
ClientSampled :
HP-WC(COMP)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	13.7	9.8	14.6

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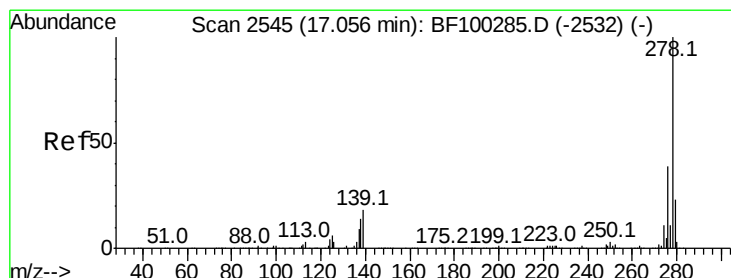
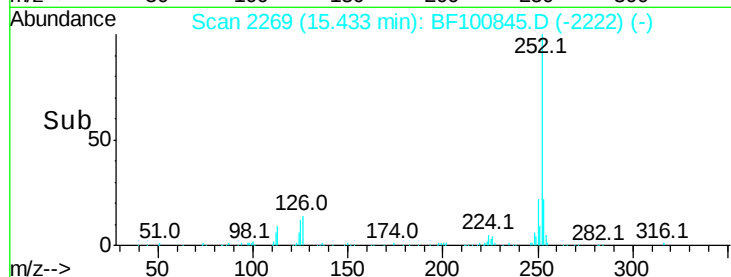
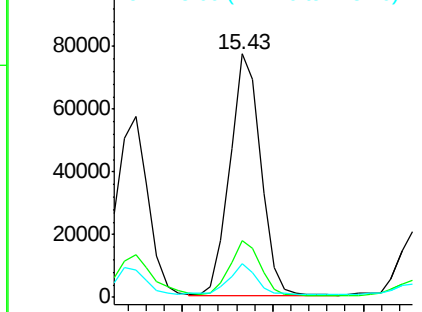


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Dibenzo(a,h)anthracene
Concen: 2.340 ng m
RT: 16.97 min Scan# 2531
Delta R.T. -0.05 min
Lab File: BF100845.D
Acq: 23 Nov 2017 1:15

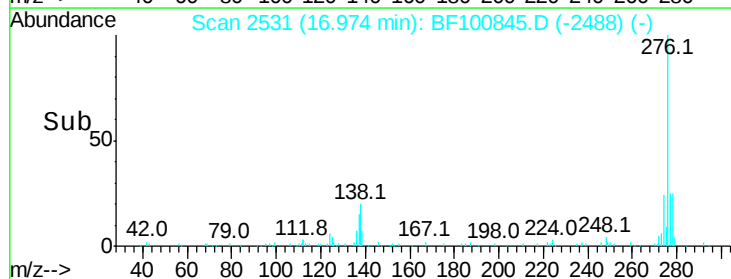
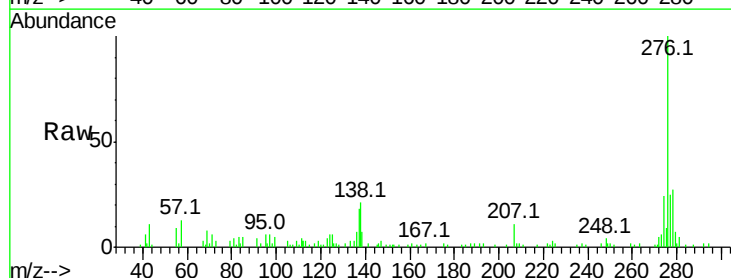
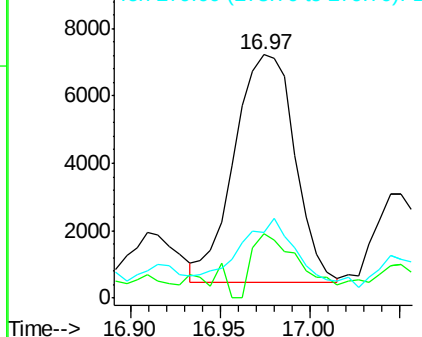
Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.3	15.9	23.9#
279	26.8	19.0	28.4

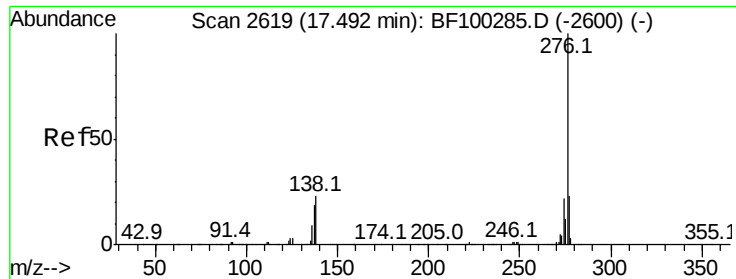
Abundance

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





#91
 Benzo(a,h,i)perylene
 Concen: 10.134 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.04 min
 Lab File: BF100845.D
 Acq: 23 Nov 2017 1:15

Instrument :
 BNA_F
 ClientSampleId :
 HP-WC(COMP)

Tot Ion:	276	Resp:	67174
Ion Ratio		Lower	Upper
276	100		
277	23.5	17.9	26.9
138	21.5	21.8	32.8#

Manual Integrations
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