

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101347.D
 Acq On : 12 Dec 2017 23:08
 Operator : SJ/JU
 Sample : I6822-08
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(13-15)

Manual Integrations
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Quant Time: Dec 13 04:30:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	44370	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	171405	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	76054	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	132570	20.00	ng	0.00
75) Chrysene-d12	14.00	240	103920	20.00	ng	0.00
86) Perylene-d12	15.48	264	92541	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	330169	122.96	ng	0.00
7) Phenol-d6	6.46	99	402225	123.38	ng	0.00
23) Nitrobenzene-d5	7.39	82	234010	81.44	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	94953	103.93	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	385790	69.40	ng	0.00
78) Terphenyl-d14	12.94	244	320139	67.38	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.47	94	12877	3.552	ng	87
49) Dimethylphthalate	9.57	163	50639	8.256	ng	100
70) Phenanthrene	11.38	178	117760	16.130	ng	97
71) Anthracene	11.43	178	20169	2.730	ng	95
74) Fluoranthene	12.57	202	104592	12.924	ng	94
77) Pyrene	12.80	202	88021	12.275	ng	98
80) Benzo(a)anthracene	13.99	228	41321	6.298	ng	98
82) Chrysene	14.03	228	39182	6.430	ng	96
85) Indeno(1,2,3-cd)pyrene	16.97	276	25739	4.751	ng	# 90
87) Benzo(b)fluoranthene	15.05	252	49305m	8.895	ng	
88) Benzo(k)fluoranthene	15.07	252	15187m	2.781	ng	
89) Benzo(a)pyrene	15.42	252	39411	7.821	ng	95
91) Benzo(a,h,i)perylene	17.42	276	23534	5.621	ng	96

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

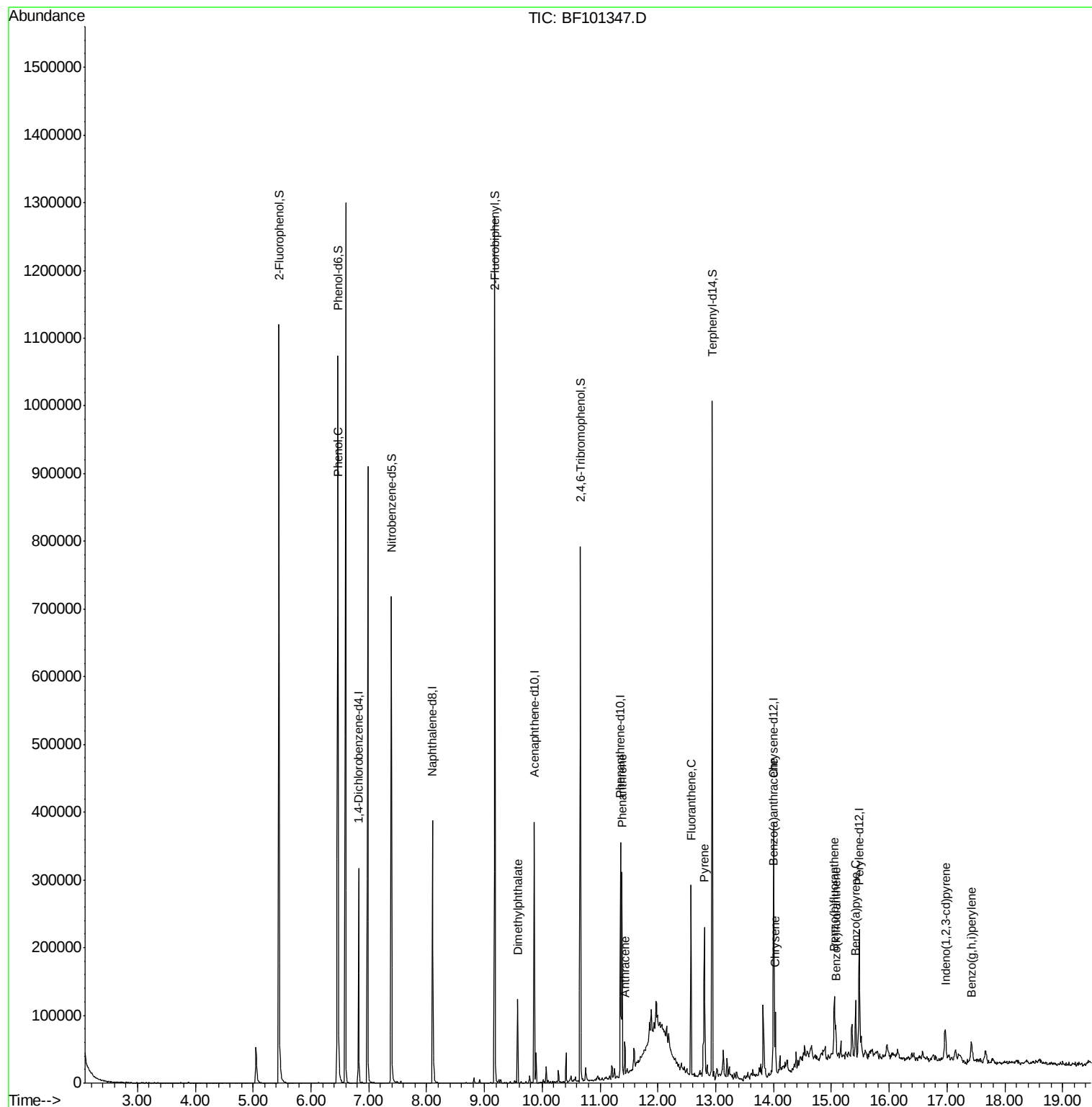
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
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Misc :
ALS Vial : 22 Sample Multiplier: 1

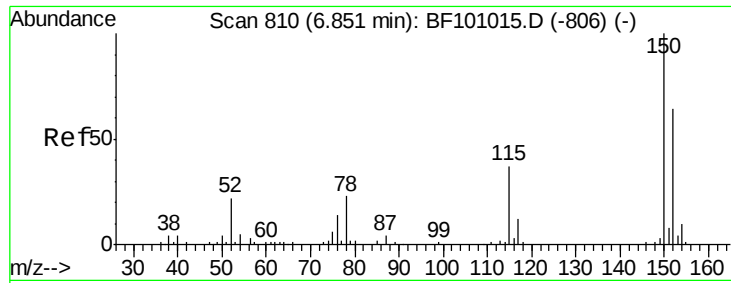
Instrument :
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SB-2(13-15)

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
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#1

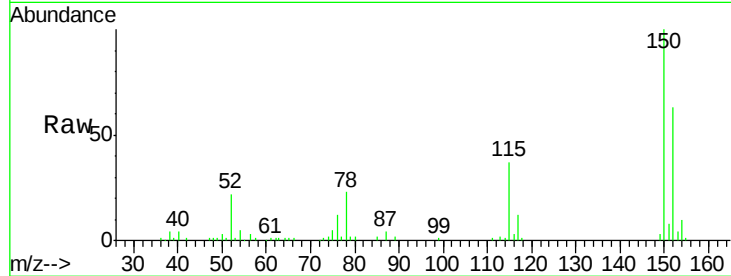
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF101347.D
Acq: 12 Dec 2017 23:08

Instrument :
BNA_F
ClientSampleId :
SB-2(13-15)

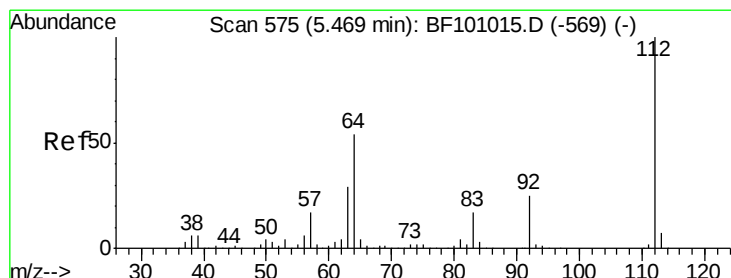
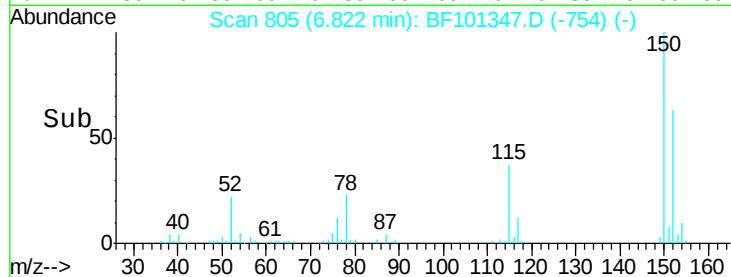
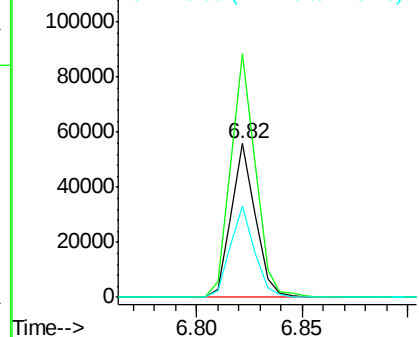
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.6	186.8
115	59.2	50.1	75.1

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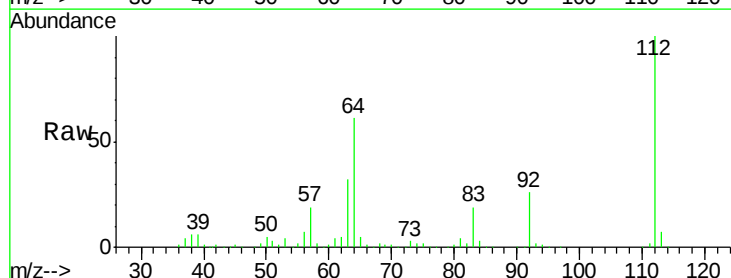
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



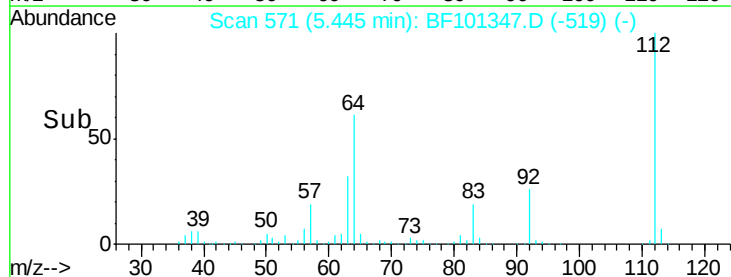
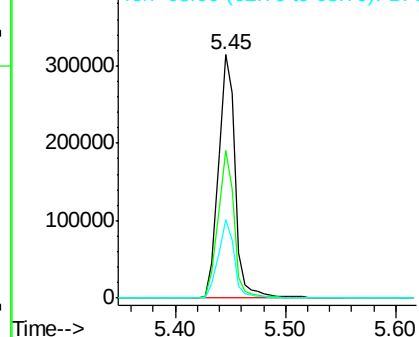
#5

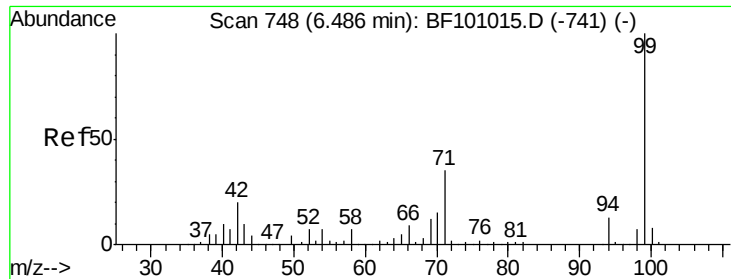
2-Fluorophenol
Concen: 122.963 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF101347.D
Acq: 12 Dec 2017 23:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	47.9	71.9
63	32.1	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





#7

Phenol-d6

Concen: 123.382 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.00 min

Lab File: BF101347.D

Acq: 12 Dec 2017 23:08

Instrument :

BNA_F

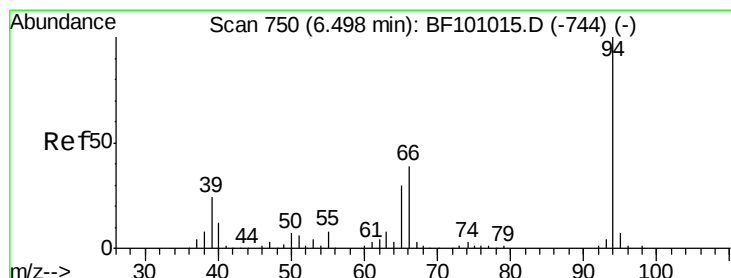
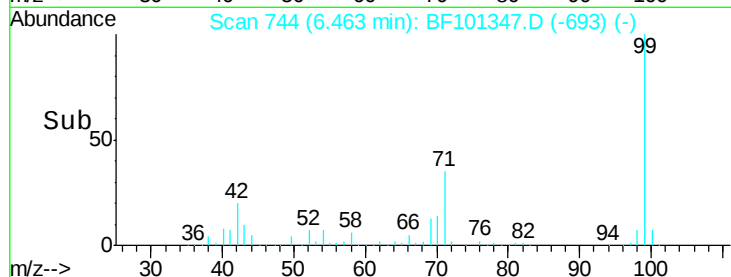
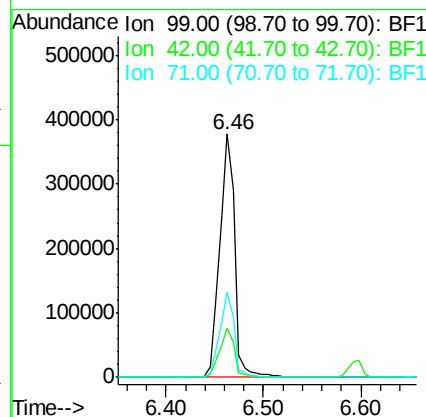
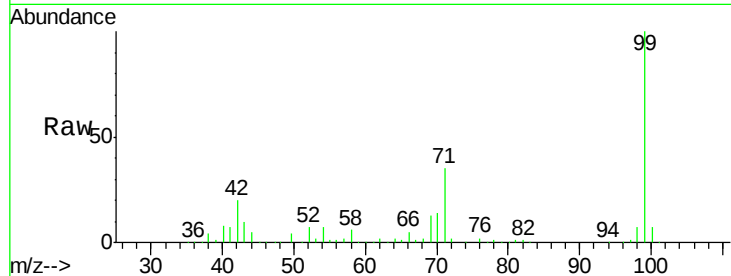
ClientSampled :

SB-2(13-15)

Tot Ion:	99	Resp:	402225
Ion Ratio	Lower	Upper	
99	100		
42	20.3	14.5	21.7
71	34.8	25.4	38.0

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#10

Phenol

Concen: 3.552 ng

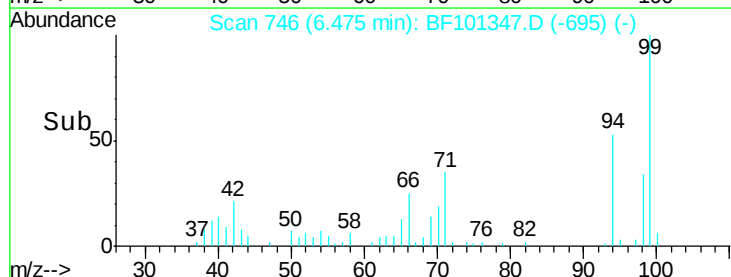
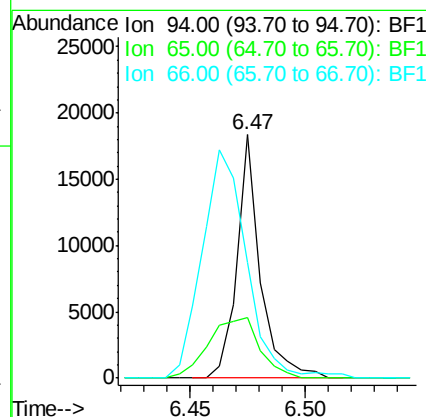
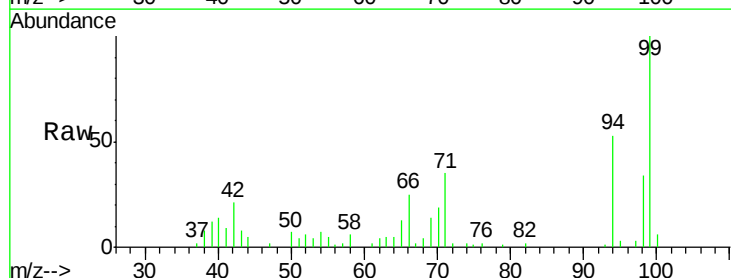
RT: 6.47 min Scan# 746

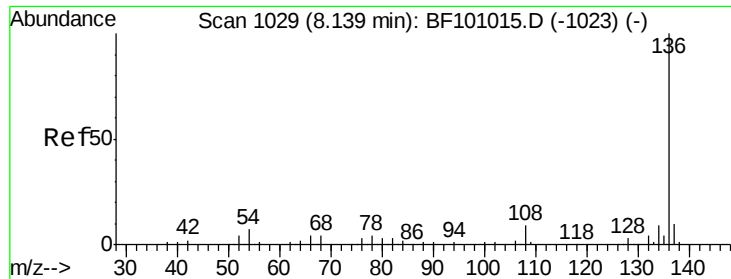
Delta R.T. -0.00 min

Lab File: BF101347.D

Acq: 12 Dec 2017 23:08

Tgt Ion:	94	Resp:	12877
Ion Ratio	Lower	Upper	
94	100		
65	25.0	7.9	47.9
66	47.6	16.2	56.2





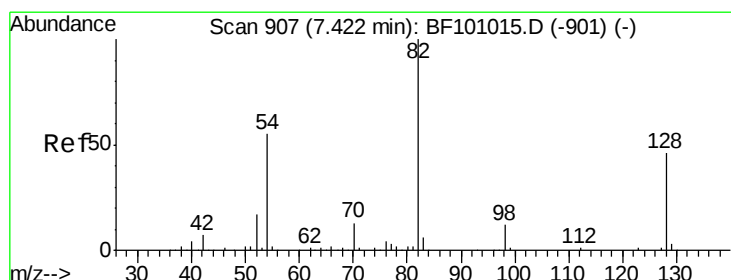
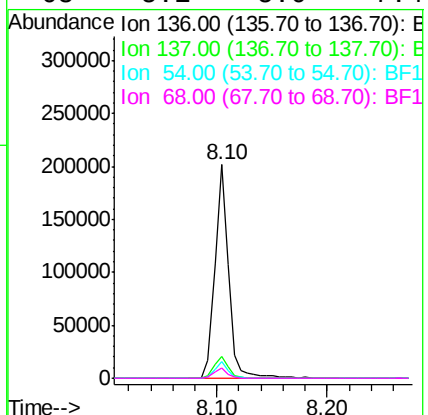
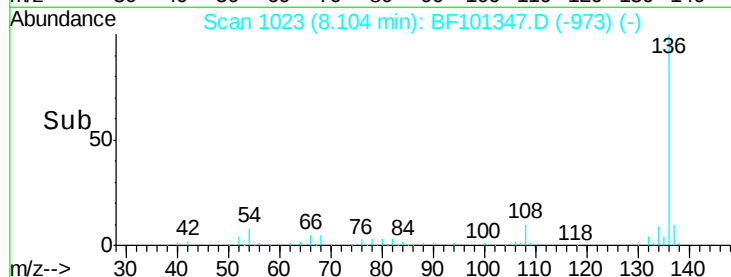
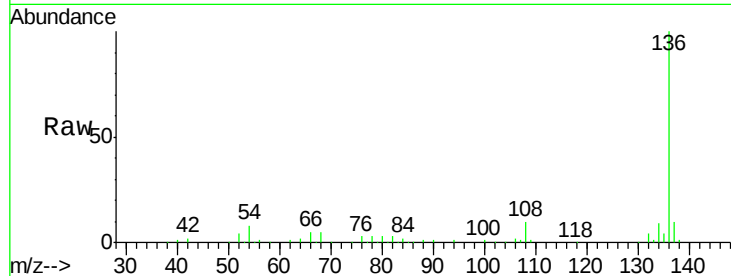
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF101347.D
Acq: 12 Dec 2017 23:08

Instrument :
BNA_F
ClientSampleId :
SB-2(13-15)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		171405		
137	10.2		8.9	13.3	
54	7.6		6.6	9.8	
68	5.1		5.0	7.4	

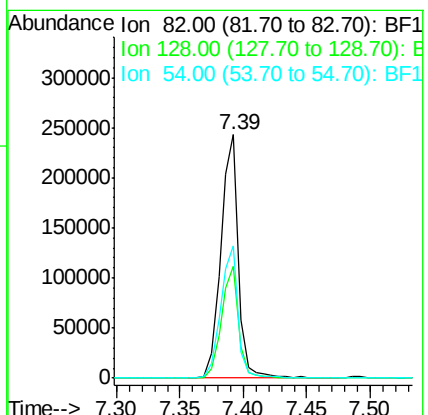
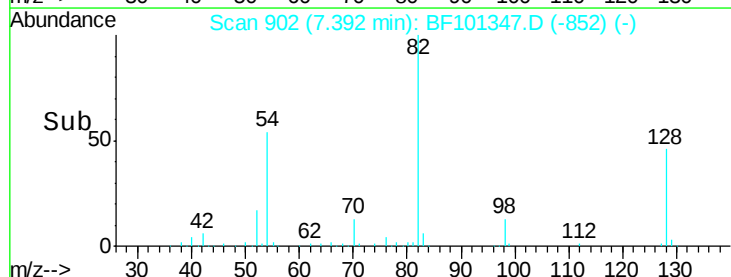
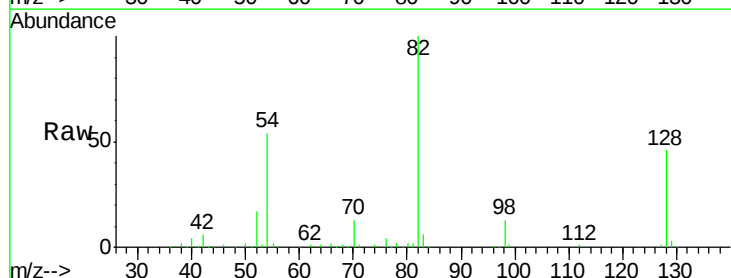
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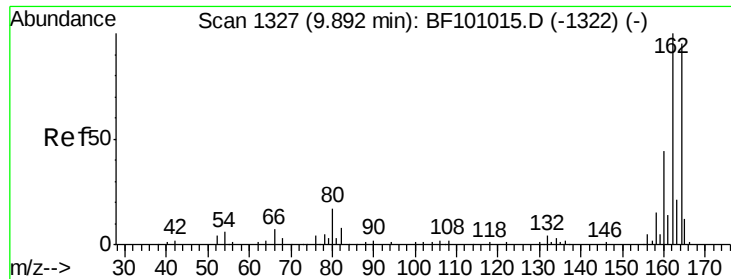
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#23
Nitrobenzene-d5
Concen: 81.441 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF101347.D
Acq: 12 Dec 2017 23:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		234010		
128	46.1		36.1	54.1	
54	54.2		41.4	62.2	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF101347.D

Acq: 12 Dec 2017 23:08

Instrument :

BNA_F

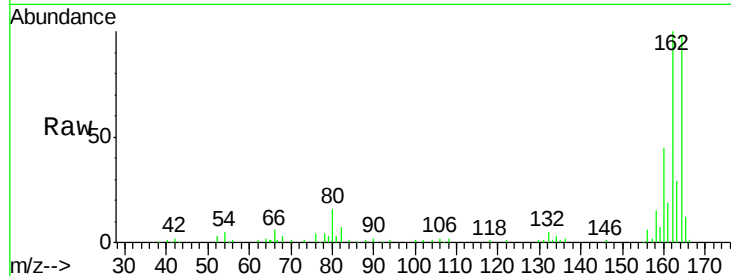
ClientSampleId :

SB-2(13-15)

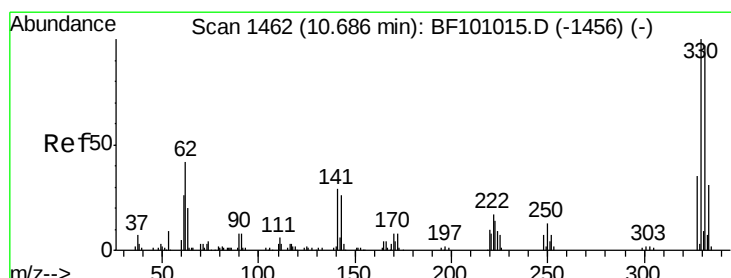
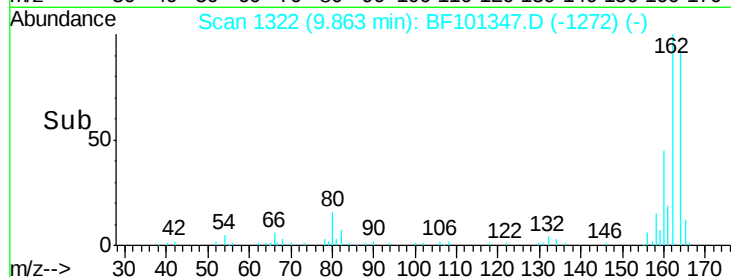
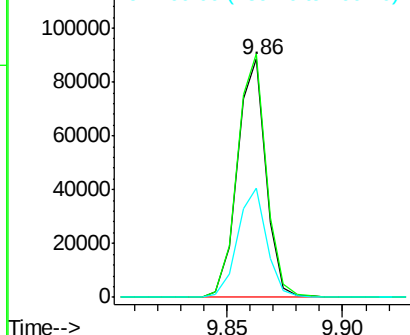
Tot Ion:	164	Resp:	76054
Ion Ratio	Lower	Upper	
164	100		
162	102.2	86.1	129.1
160	45.7	38.3	57.5

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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



#41

2,4,6-Tribromophenol

Concen: 103.930 ng

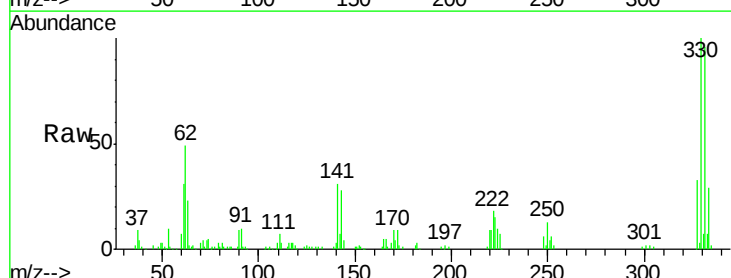
RT: 10.66 min Scan# 1457

Delta R.T. -0.01 min

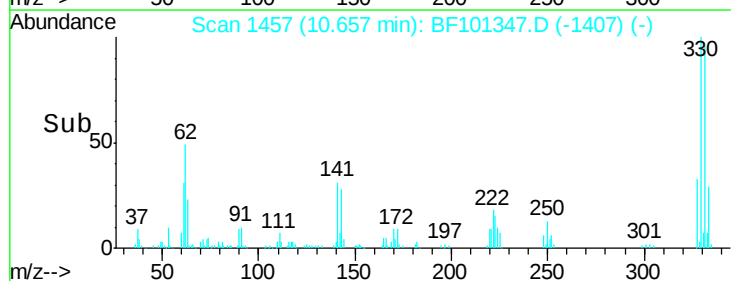
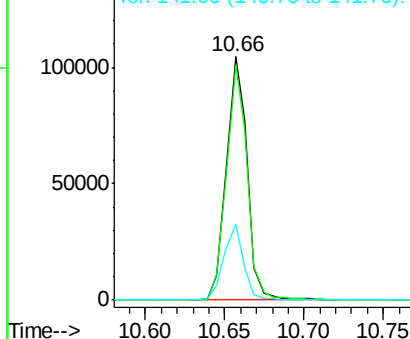
Lab File: BF101347.D

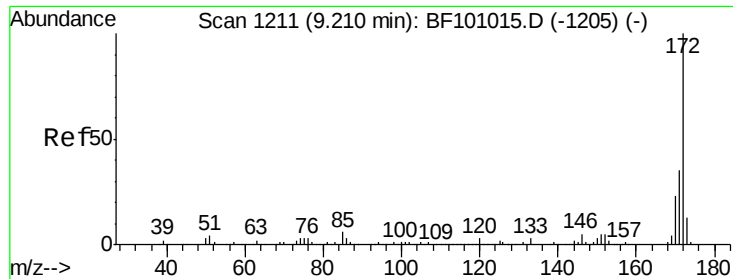
Acq: 12 Dec 2017 23:08

Tgt Ion:	330	Resp:	94953
Ion Ratio	Lower	Upper	
330	100		
332	96.2	77.0	115.6
141	29.4	29.9	44.9#



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





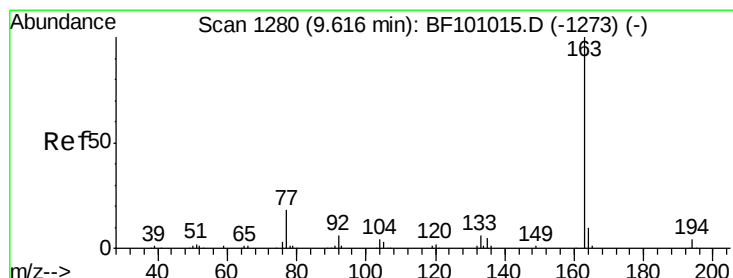
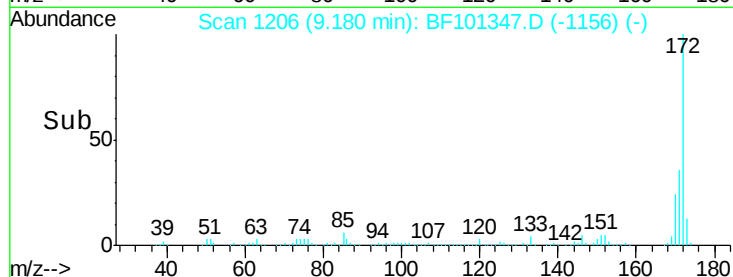
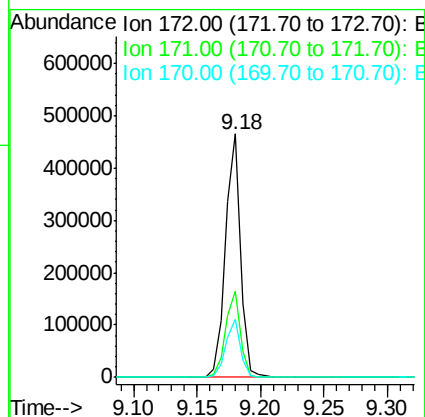
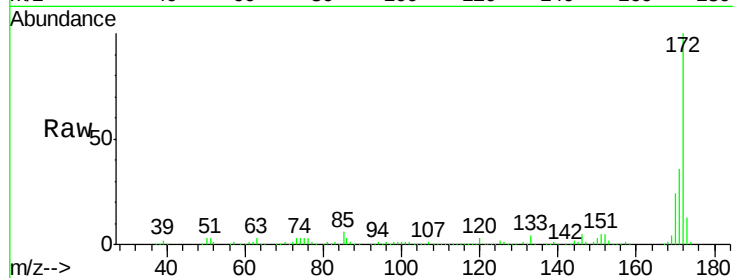
#44
2-Fluorobiphenyl
Concen: 69.403 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF101347.D
Acq: 12 Dec 2017 23:08

Instrument :
BNA_F
ClientSampleId :
SB-2(13-15)

Tot Ion	Ratio	Resp	Lower	Upper
172	100	385790		
171	35.6	29.7	44.5	
170	24.1	19.6	29.4	

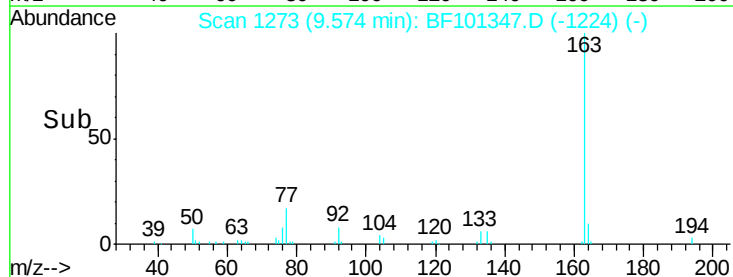
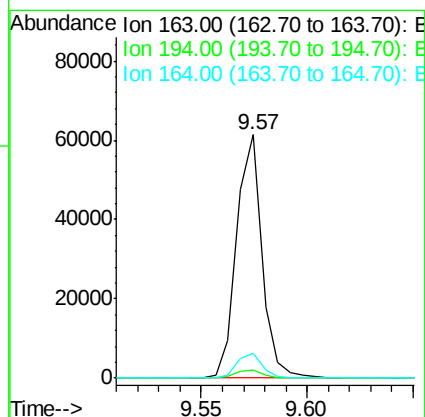
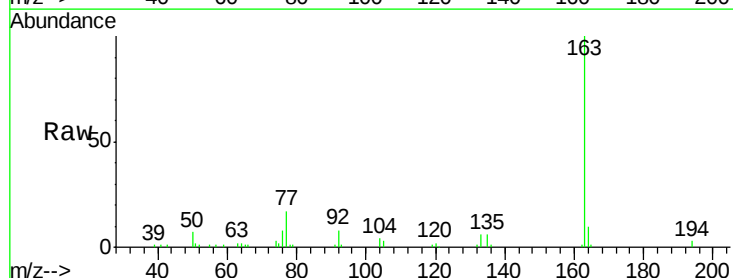
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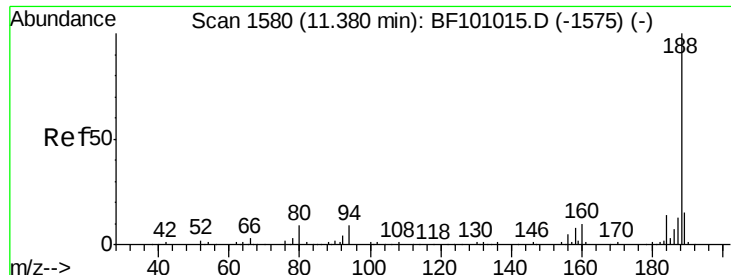
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#49
Dimethylphthalate
Concen: 8.256 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF101347.D
Acq: 12 Dec 2017 23:08

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	50639		
194	3.5	2.7	4.1	
164	10.2	8.2	12.2	





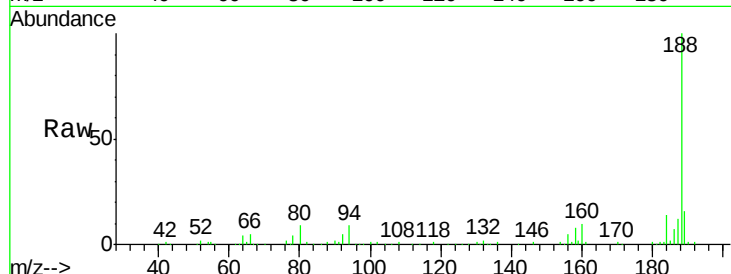
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF101347.D
Acq: 12 Dec 2017 23:08

Instrument :
BNA_F
ClientSampleId :
SB-2(13-15)

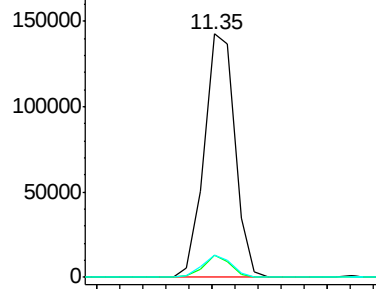
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.2	8.5	12.7
80	9.3	9.2	13.8

Manual Integrations
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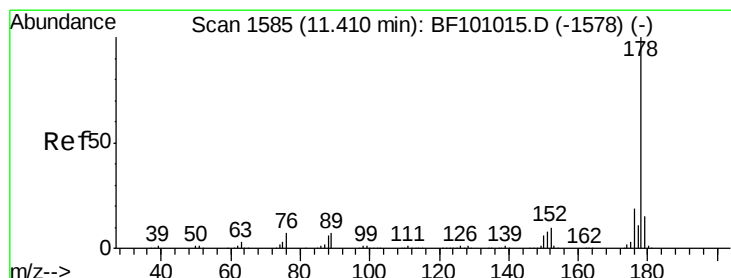
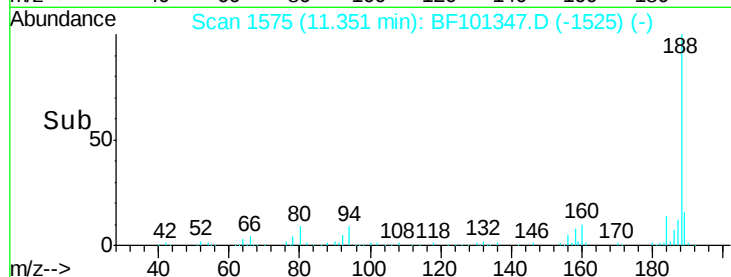
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12/13/2017 12:08:08 PM



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

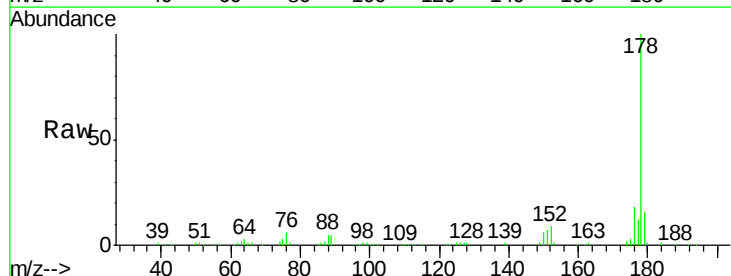


Time--> 11.30 11.35 11.40

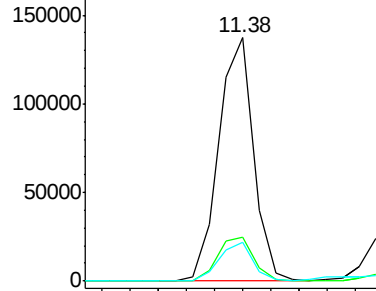


#70
Phenanthrene
Concen: 16.130 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF101347.D
Acq: 12 Dec 2017 23:08

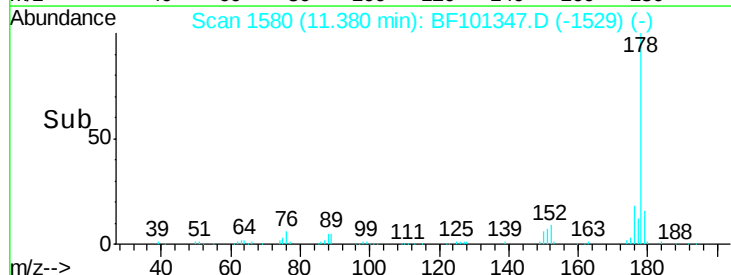
Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.0	15.8	23.8
179	15.7	13.0	19.6

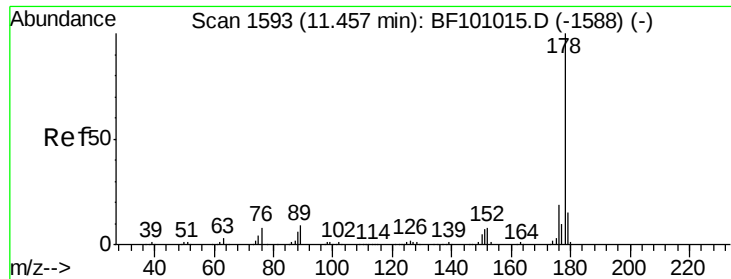


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time--> 11.35 11.40





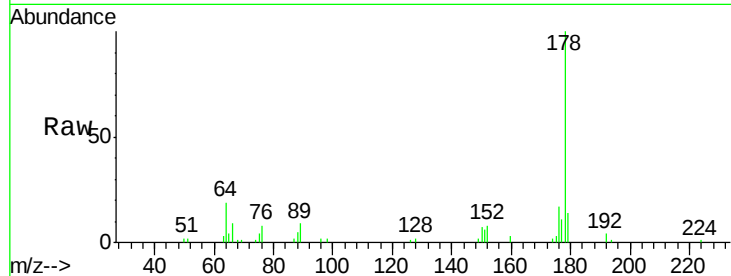
#71
 Anthracene
 Concen: 2.730 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF101347.D
 Acq: 12 Dec 2017 23:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(13-15)

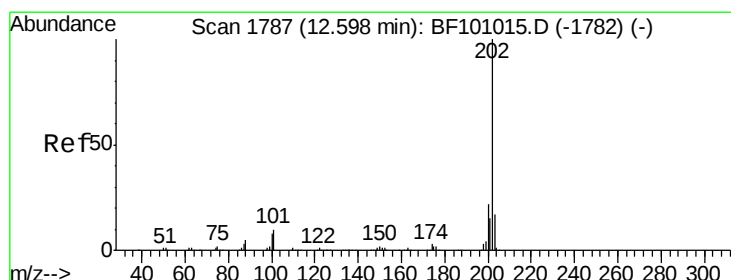
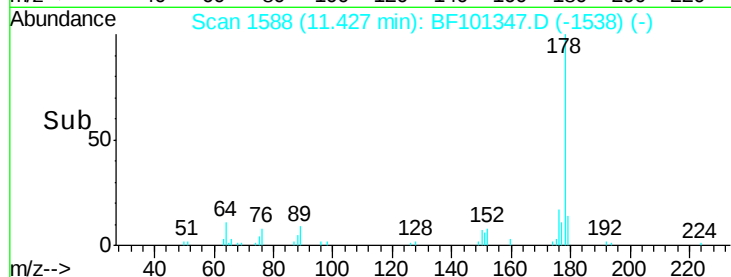
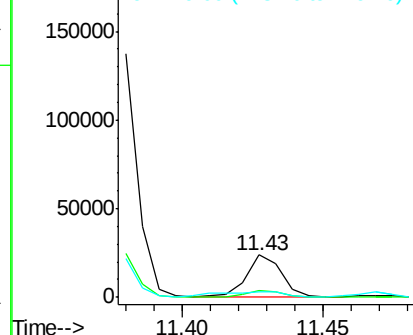
Tot Ion	Ratio	Lower	Upper
178	100		
176	16.5	15.4	23.2
179	13.9	12.6	19.0

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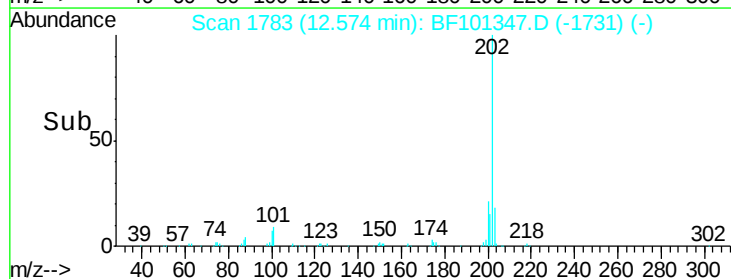
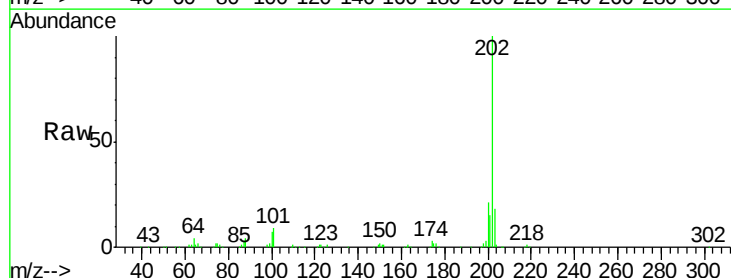
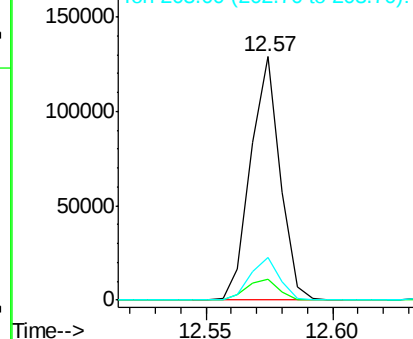
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

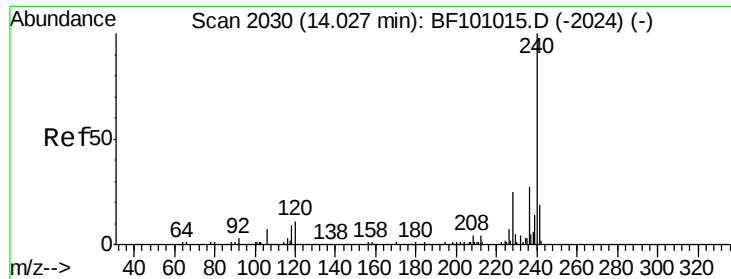


#74
 Fluoranthene
 Concen: 12.924 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: BF101347.D
 Acq: 12 Dec 2017 23:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	34.1
203	17.5	0.0	38.1

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





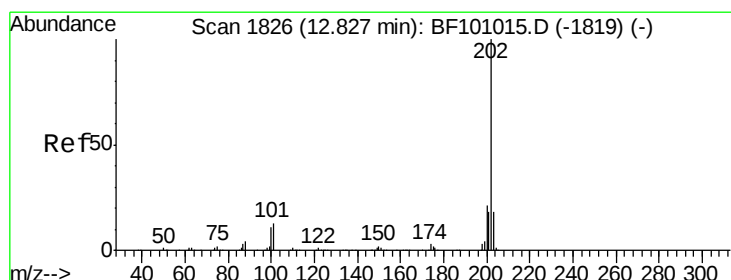
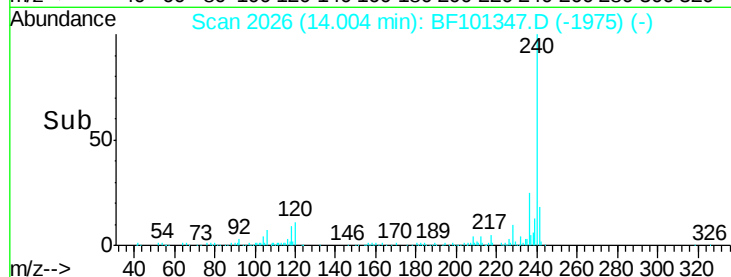
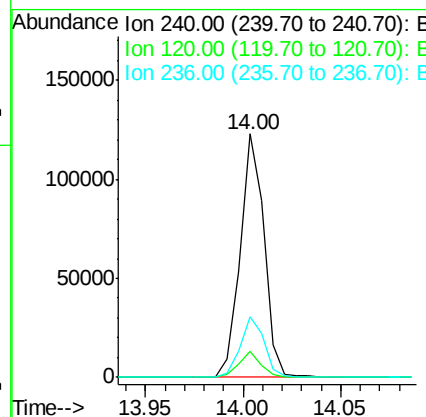
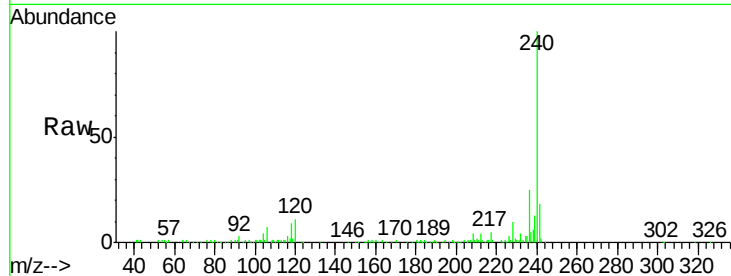
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BF101347.D
Acq: 12 Dec 2017 23:08

Instrument :
BNA_F
ClientSampleId :
SB-2(13-15)

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.5	14.3
236	24.7	20.7	31.1

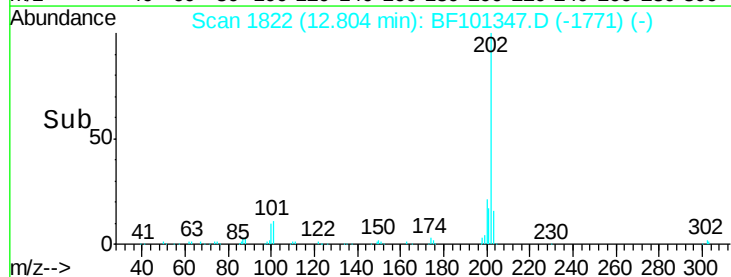
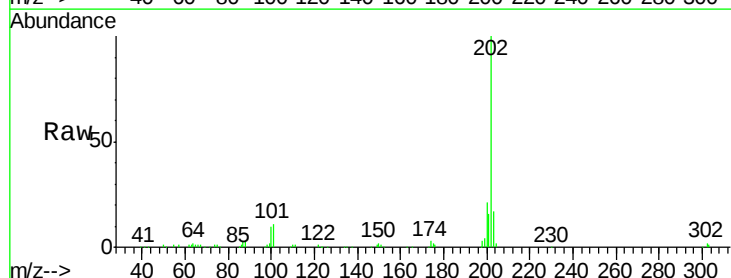
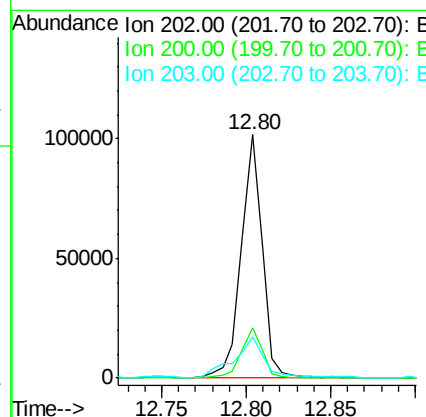
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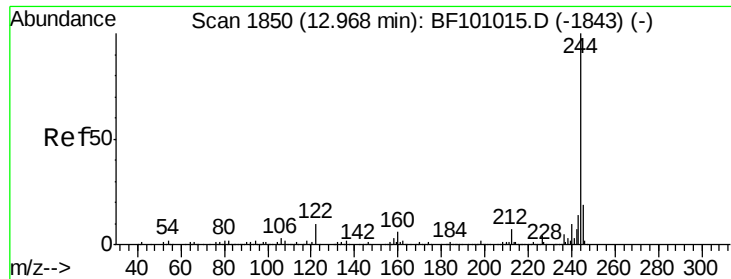
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#77
Pyrene
Concen: 12.275 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BF101347.D
Acq: 12 Dec 2017 23:08

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	16.9	14.3	21.5





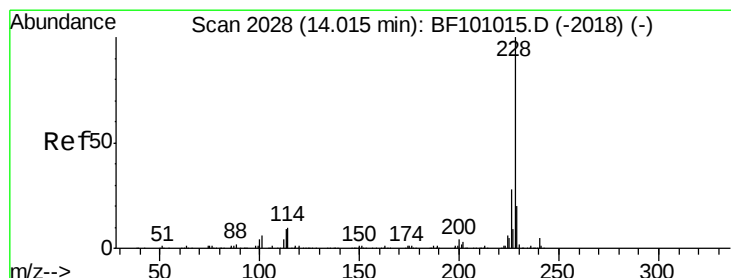
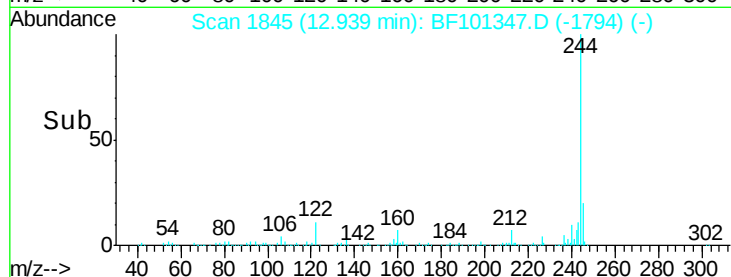
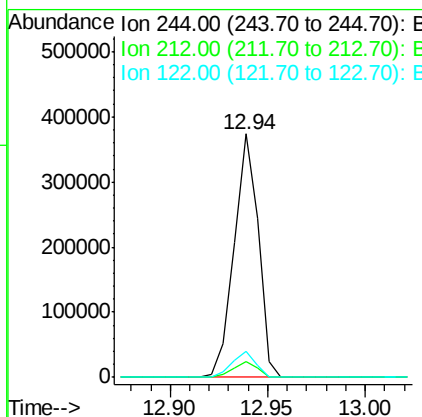
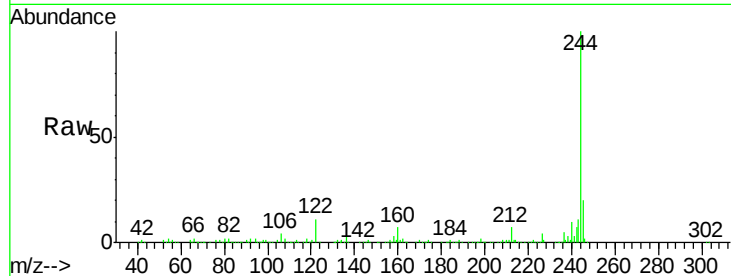
#78
 Terphenyl-d14
 Concen: 67.381 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.00 min
 Lab File: BF101347.D
 Acq: 12 Dec 2017 23:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(13-15)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	10.8	11.0	16.4

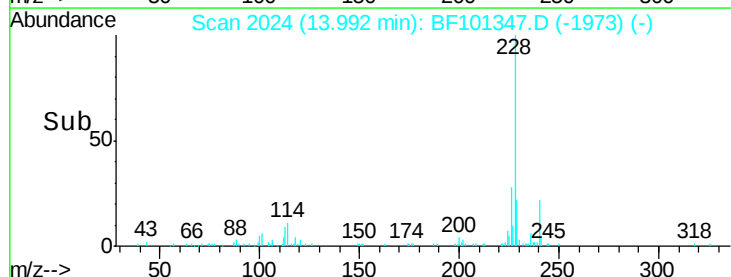
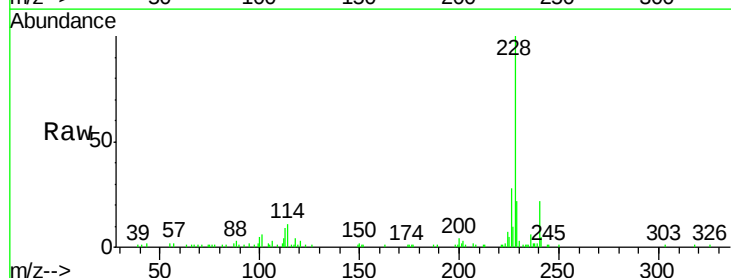
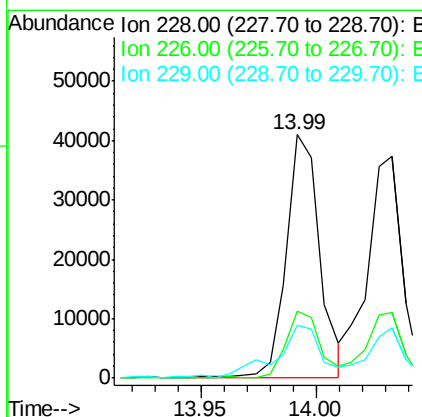
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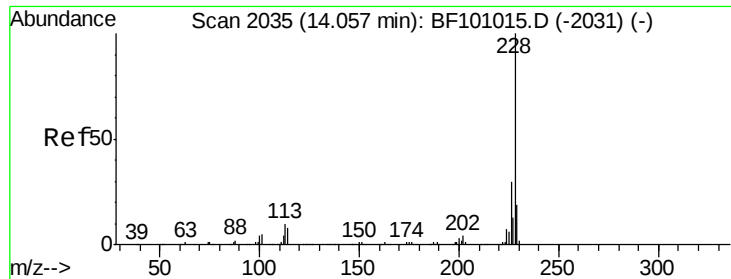
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#80
 Benzo(a)anthracene
 Concen: 6.298 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.00 min
 Lab File: BF101347.D
 Acq: 12 Dec 2017 23:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	21.5	15.8	23.6





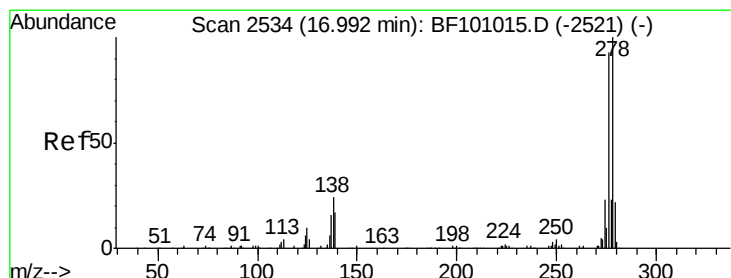
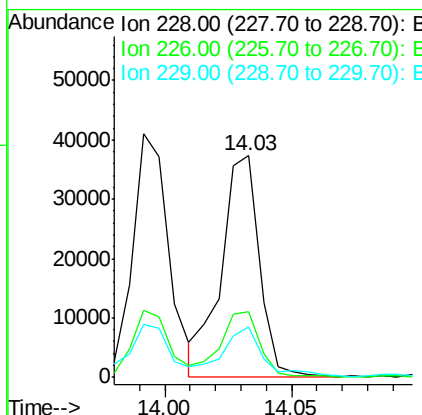
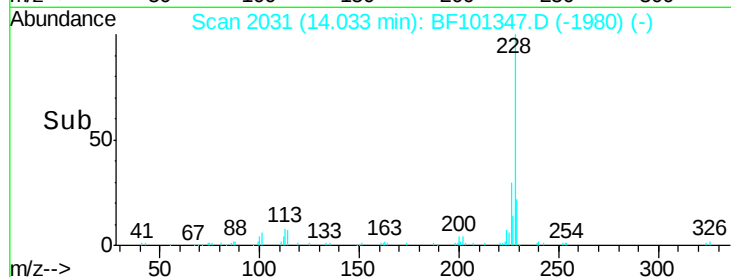
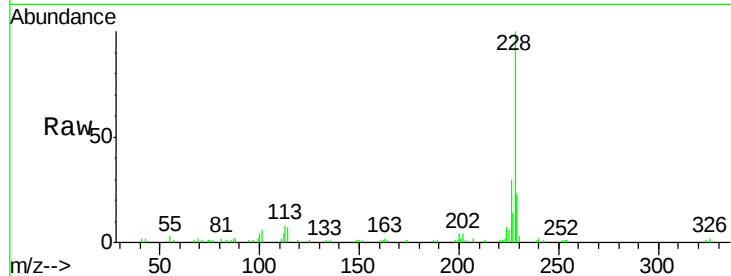
#82
Chrysene
Concen: 6.430 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.00 min
Lab File: BF101347.D
Acq: 12 Dec 2017 23:08

Instrument :
BNA_F
ClientSampled :
SB-2(13-15)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	22.6	16.2	24.4

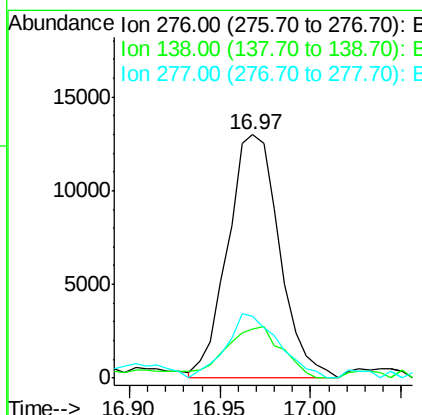
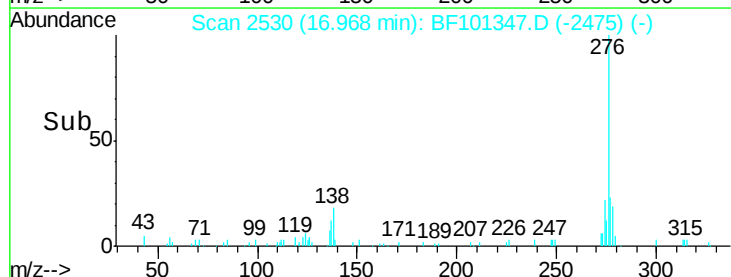
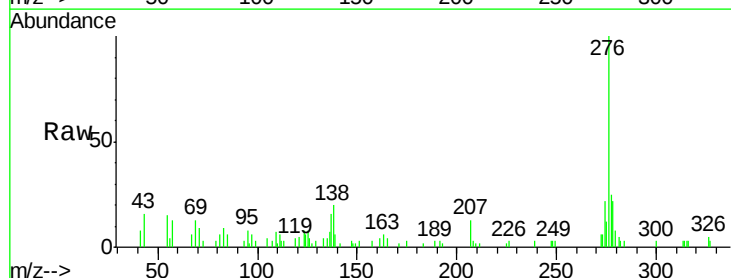
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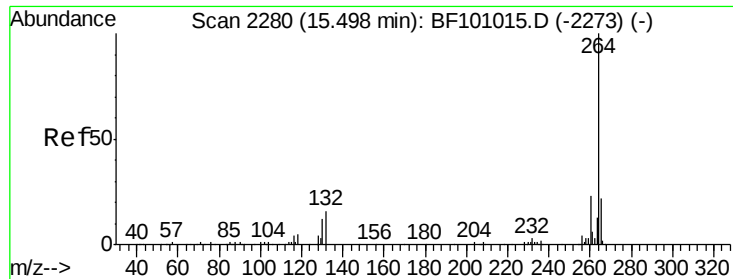
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.751 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.02 min
Lab File: BF101347.D
Acq: 12 Dec 2017 23:08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.7	25.0	37.6#
277	26.9	20.1	30.1





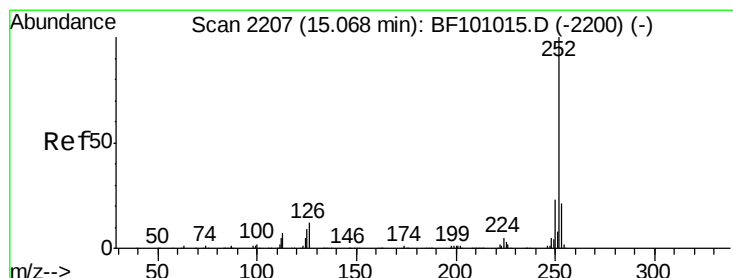
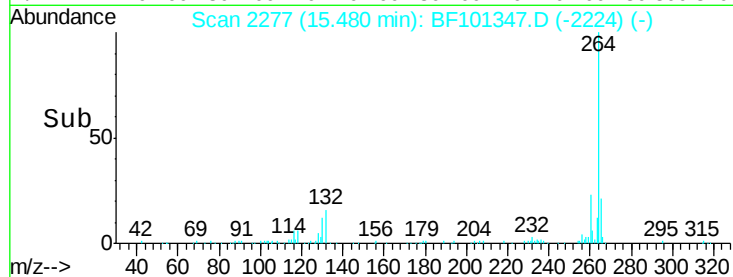
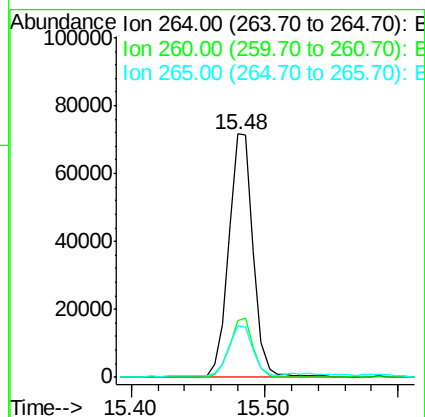
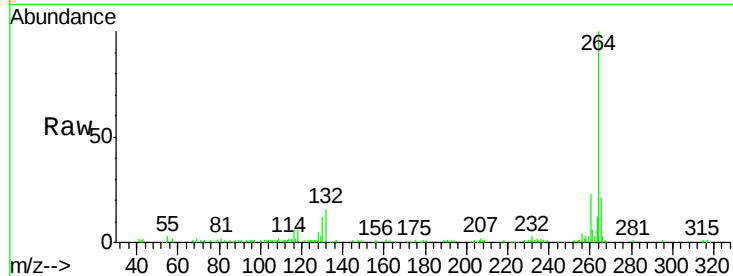
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF101347.D
Acq: 12 Dec 2017 23:08

Instrument :
BNA_F
ClientSampleId :
SB-2(13-15)

Tot Ion:	264	Resp:	92541
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.2	28.8
265	21.2	17.5	26.3

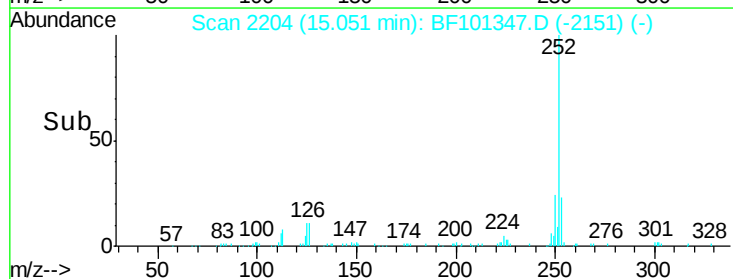
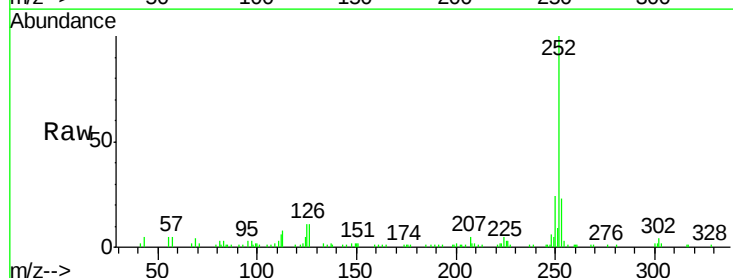
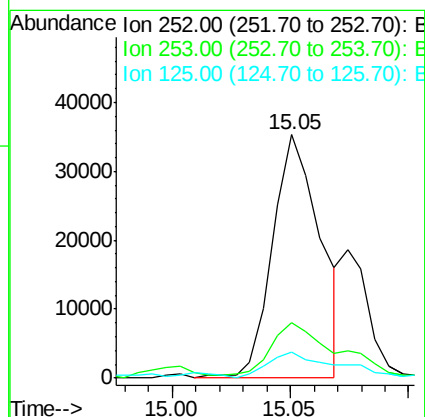
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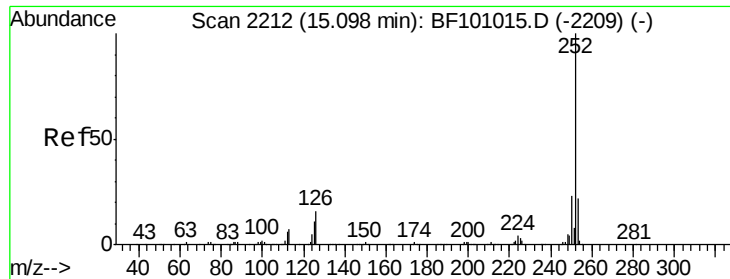
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#87
Benzo(b)fluoranthene
Concen: 8.895 ng m
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101347.D
Acq: 12 Dec 2017 23:08

Tgt Ion:	252	Resp:	49305
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.0	25.6
125	10.5	9.0	13.6





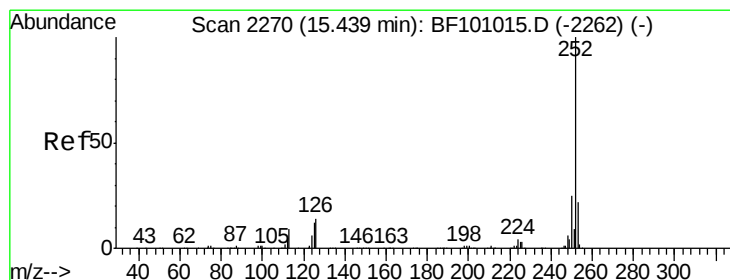
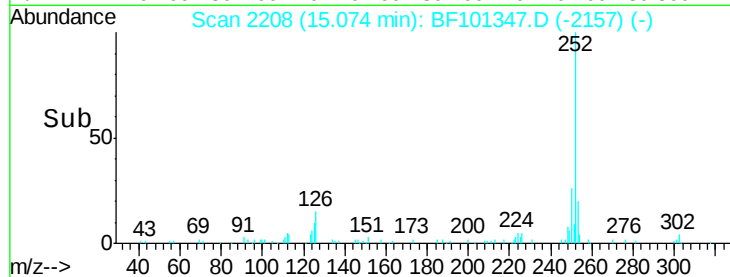
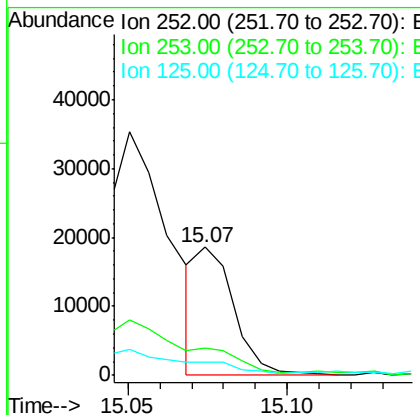
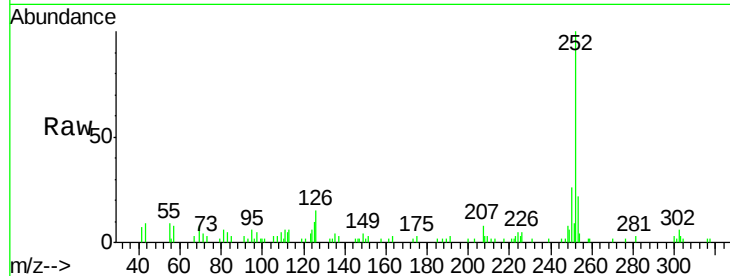
#88
Benzo(k)fluoranthene
Concen: 2.781 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BF101347.D
Acq: 12 Dec 2017 23:08

Instrument :
BNA_F
ClientSampleId :
SB-2(13-15)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.9	26.9
125	10.2	10.2	15.2

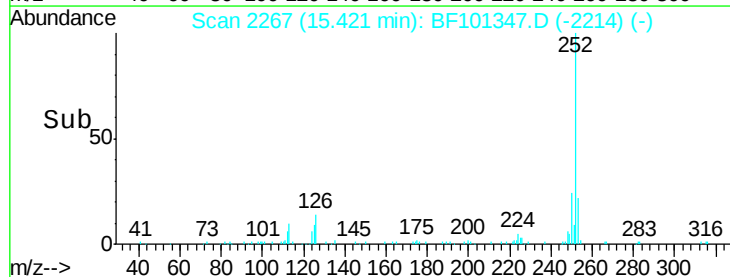
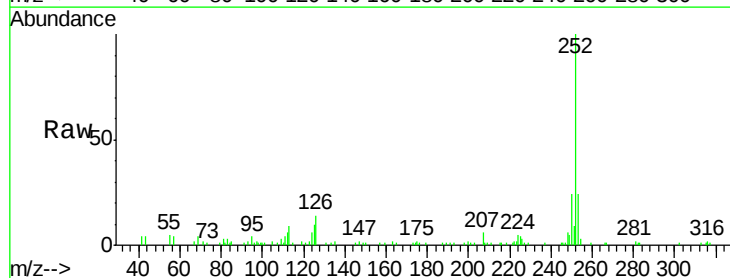
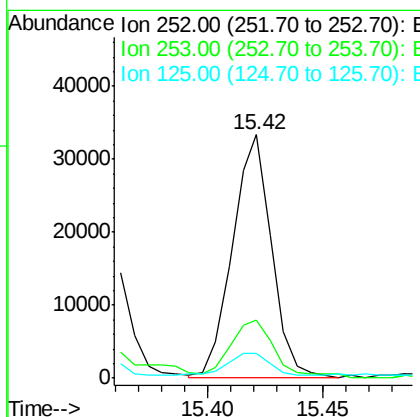
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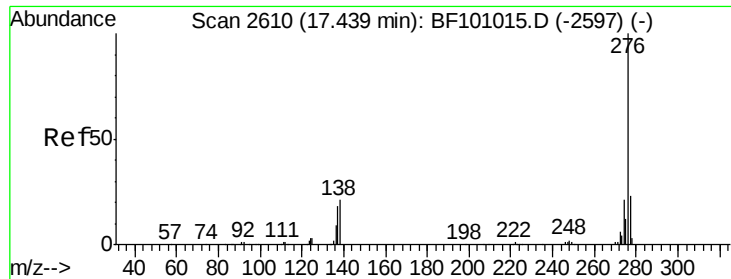
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#89
Benzo(a)pyrene
Concen: 7.821 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.01 min
Lab File: BF101347.D
Acq: 12 Dec 2017 23:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	10.0	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 5.621 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. 0.03 min
 Lab File: BF101347.D
 Acq: 12 Dec 2017 23:08

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(13-15)

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	25.3	21.8	32.8

Manual Integrations
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