

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011317\
 Data File : BF092247.D
 Acq On : 13 Jan 2017 14:14
 Operator : UM/SJ
 Sample : I1146-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-19-11017

Manual Integrations
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Sohil
 1/16/2017 8:38:48 AM

Quant Time: Jan 16 01:11:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 16 01:02:36 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	207201	20.00	ng	0.00
21) Naphthalene-d8	7.87	136	692226	20.00	ng	-0.01
38) Acenaphthene-d10	9.62	164	328948	20.00	ng	-0.01
63) Phenanthrene-d10	11.10	188	465293	20.00	ng	0.00
75) Chrysene-d12	13.73	240	354868	20.00	ng	0.00
86) Perylene-d12	15.08	264	356902	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	1968369	158.62	ng	0.02
7) Phenol-d6	6.26	99	2087299	137.77	ng	0.00
23) Nitrobenzene-d5	7.16	82	1201823	96.54	ng	0.00
41) 2,4,6-Tribromophenol	10.42	330	412682	151.59	ng	0.00
44) 2-Fluorobiphenyl	8.95	172	1836446	119.65	ng	0.00
78) Terphenyl-d14	12.69	244	1343036	91.79	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.35	163	462152	21.97	ng	100
70) Phenanthrene	11.12	178	282132	11.18	ng	96
74) Fluoranthene	12.30	202	366982	13.94	ng	97
77) Pyrene	12.53	202	372621	14.31	ng	97
80) Benzo(a)anthracene	13.72	228	183616	9.17	ng	96
82) Chrysene	13.75	228	167372m	8.33	ng	
85) Indeno(1,2,3-cd)pyrene	16.33	276	85069	4.89	ng	96
87) Benzo(b)fluoranthene	14.73	252	235936m	10.62	ng	
88) Benzo(k)fluoranthene	14.74	252	42033m	2.22	ng	
89) Benzo(a)pyrene	15.03	252	152926m	7.75	ng	
91) Benzo(g,h,i)perylene	16.69	276	79319	4.71	ng	98

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

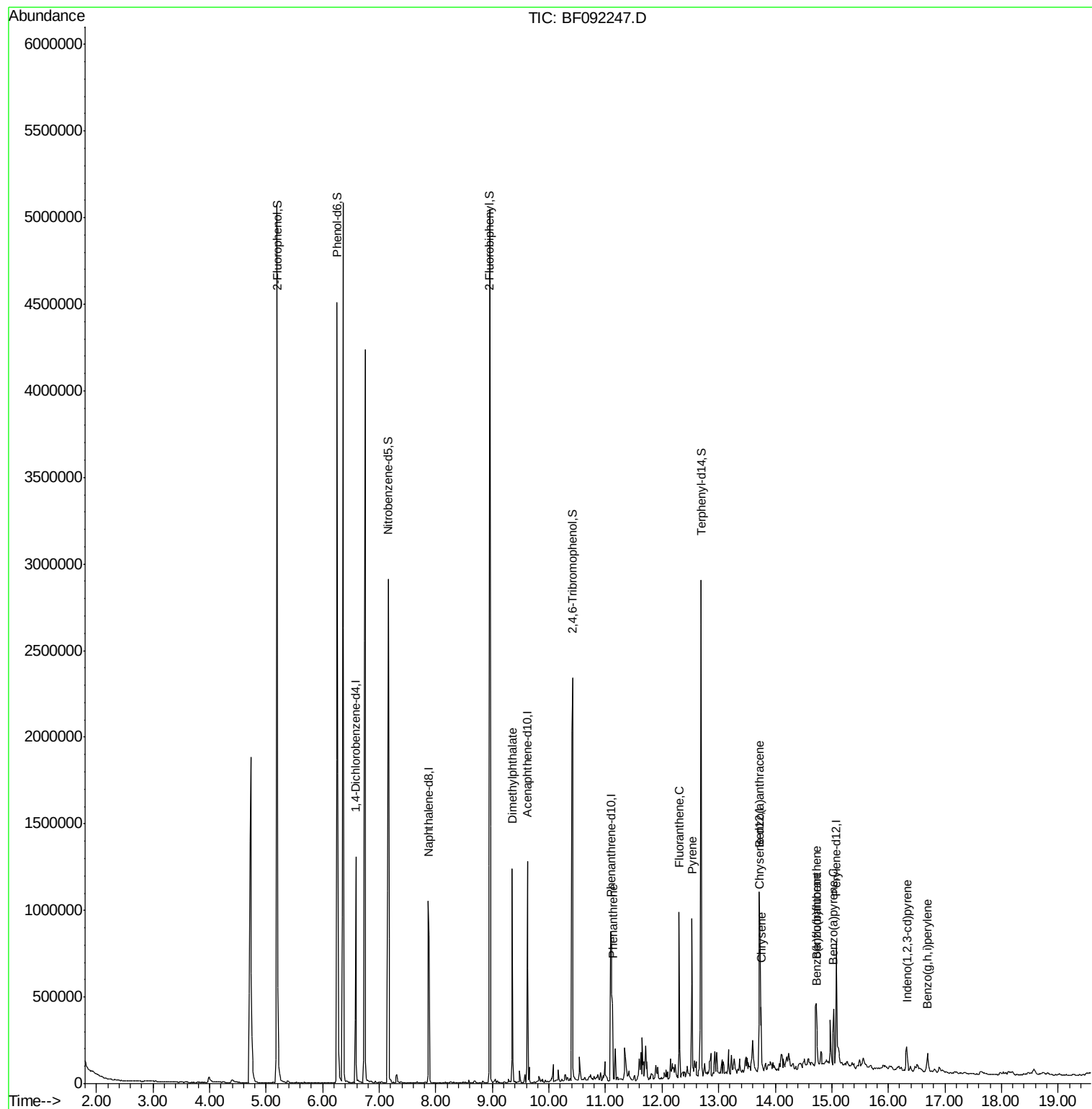
Data Path : Z:\HPCHEM1\BNA F\DATA\BF011317\
Data File : BF092247.D
Acq On : 13 Jan 2017 14:14
Operator : UM/SJ
Sample : I1146-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

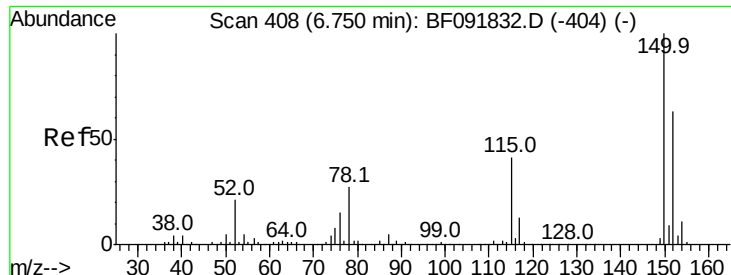
Instrument :
BNA_F
ClientSampleId :
P-19-11017

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Quant Time: Jan 16 01:11:00 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 16 01:02:36 2017
Response via : Initial Calibration





#1

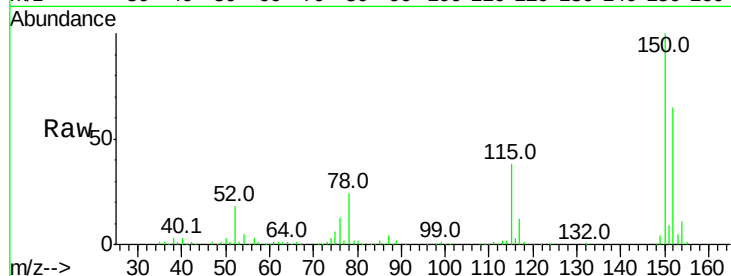
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.59 min Scan# 420
Delta R.T. 0.00 min
Lab File: BF092247.D
Acq: 13 Jan 2017 14:14

Instrument :
BNA_F
ClientSampleId :
P-19-11017

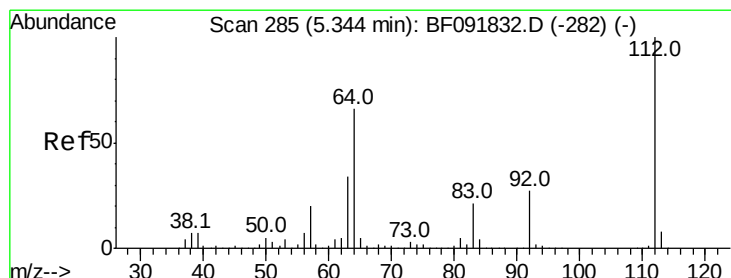
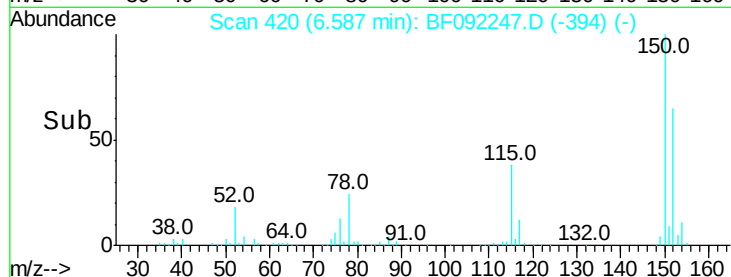
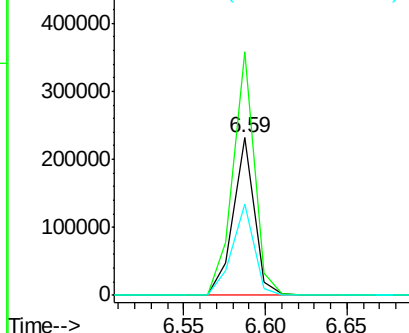
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.9	187.3
115	58.2	46.0	69.0

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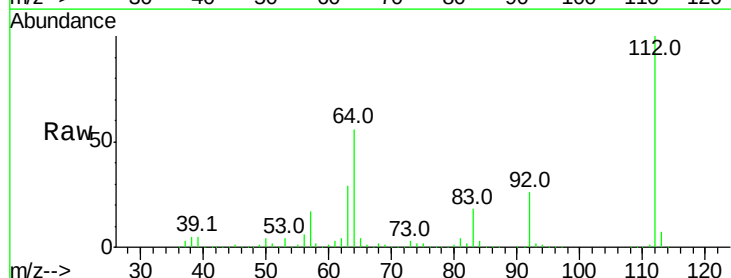
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



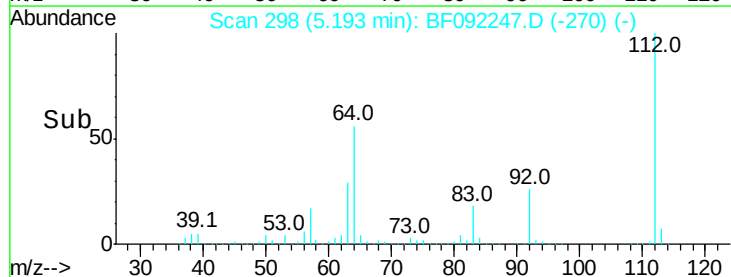
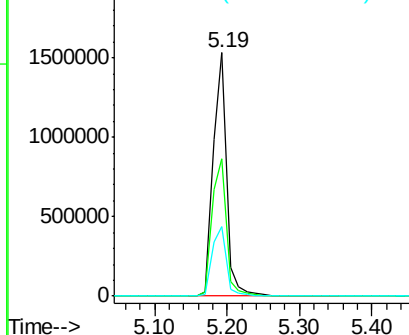
#5

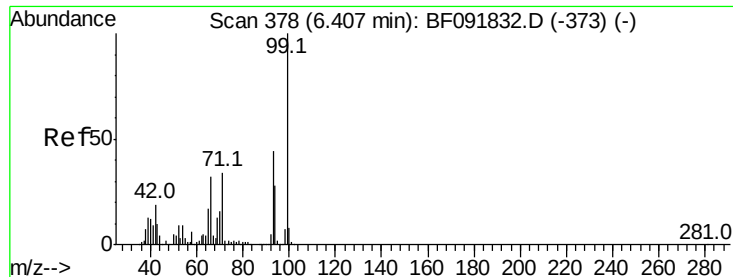
2-Fluorophenol
Concen: 158.62 ng
RT: 5.19 min Scan# 298
Delta R.T. 0.02 min
Lab File: BF092247.D
Acq: 13 Jan 2017 14:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	46.1	69.1
63	28.6	23.8	35.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 137.77 ng

RT: 6.26 min Scan# 391

Delta R.T. 0.00 min

Lab File: BF092247.D

Acq: 13 Jan 2017 14:14

Instrument :

BNA_F

ClientSampleId :

P-19-11017

Tot Ion: 99 Resp: 2087299

Ion Ratio Lower Upper

99 100

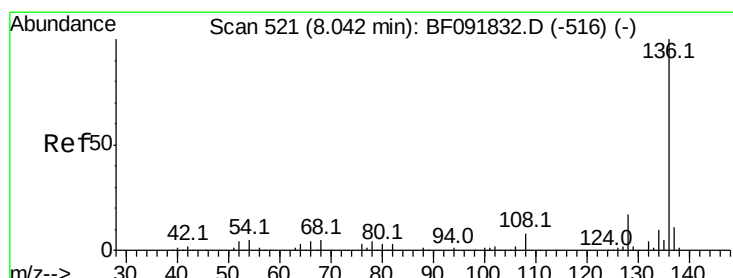
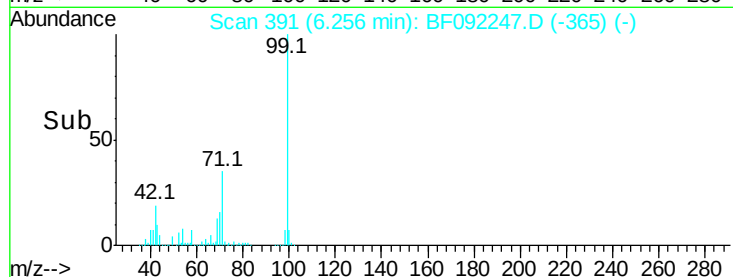
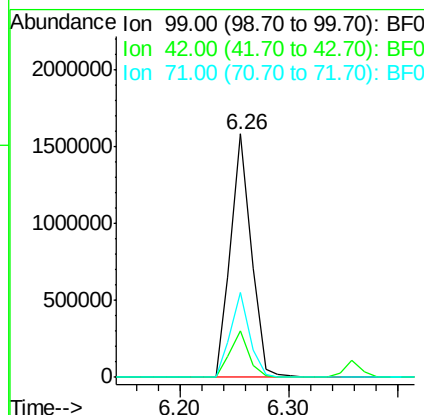
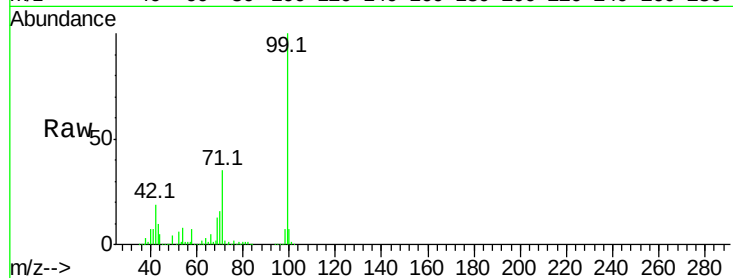
42 19.3 15.6 23.4

71 34.8 27.5 41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.87 min Scan# 532

Delta R.T. -0.01 min

Lab File: BF092247.D

Acq: 13 Jan 2017 14:14

Tgt Ion: 136 Resp: 692226

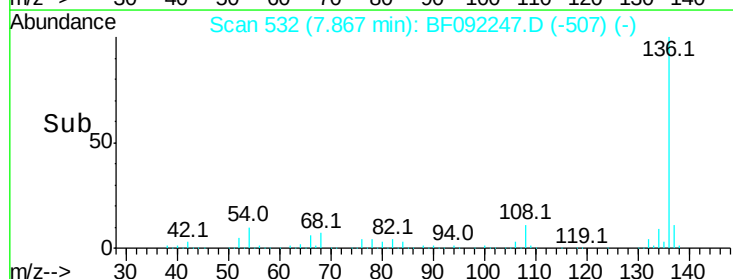
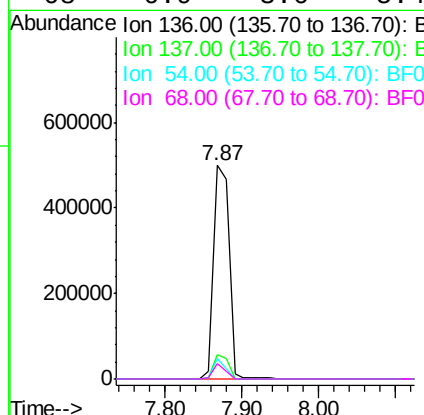
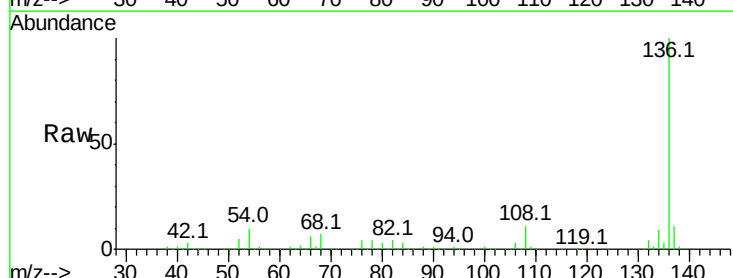
Ion Ratio Lower Upper

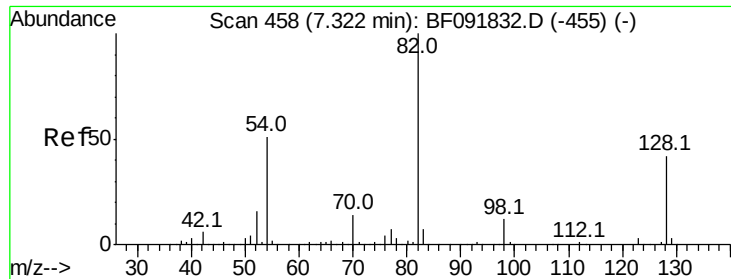
136 100

137 11.2 8.4 12.6

54 9.7 4.5 6.7#

68 6.9 3.6 5.4#





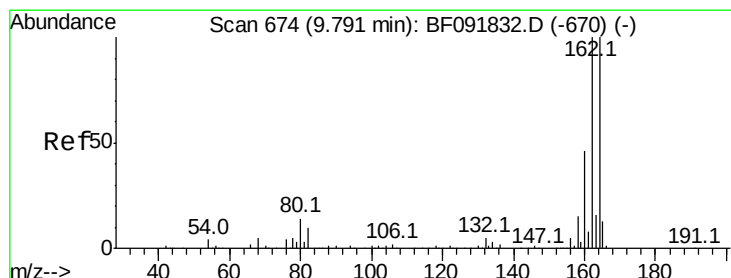
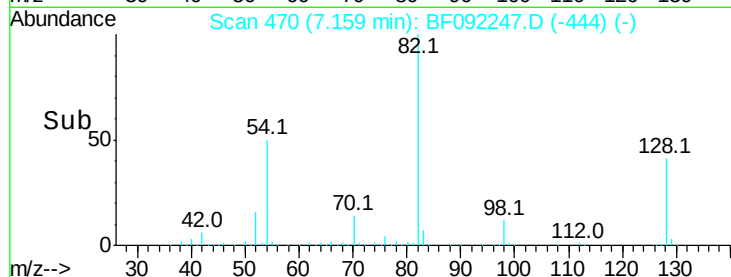
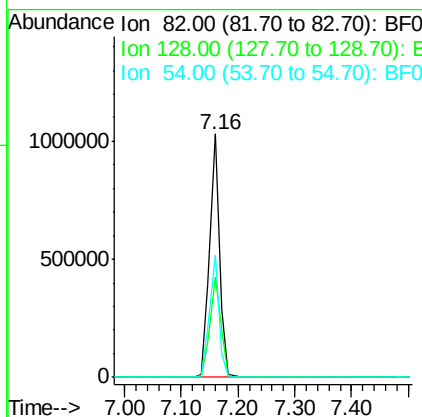
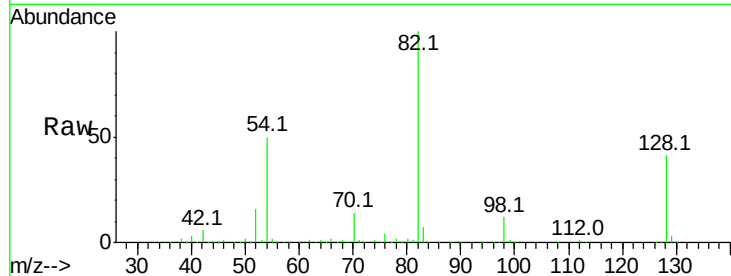
#23
 Nitrobenzene-d5
 Concen: 96.54 ng
 RT: 7.16 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: BF092247.D
 Acq: 13 Jan 2017 14:14

Instrument :
 BNA_F
 ClientSampled :
 P-19-11017

Tot Ion: 82 Resp: 1201823
 Ion Ratio Lower Upper
 82 100
 128 41.4 34.6 52.0
 54 50.2 39.5 59.3

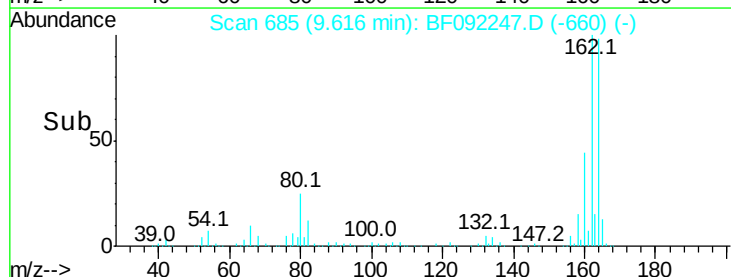
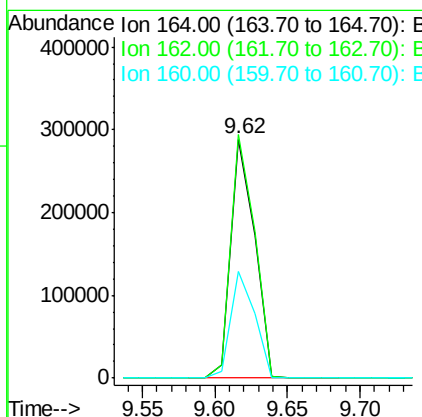
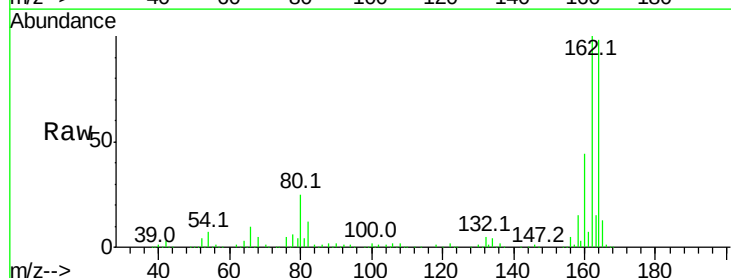
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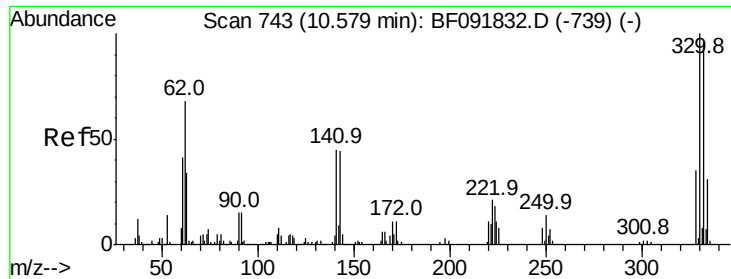
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.62 min Scan# 685
 Delta R.T. -0.01 min
 Lab File: BF092247.D
 Acq: 13 Jan 2017 14:14

Tgt Ion:164 Resp: 328948
 Ion Ratio Lower Upper
 164 100
 162 102.0 80.2 120.2
 160 44.9 36.9 55.3





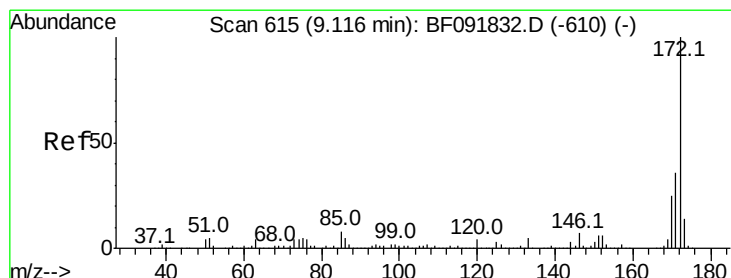
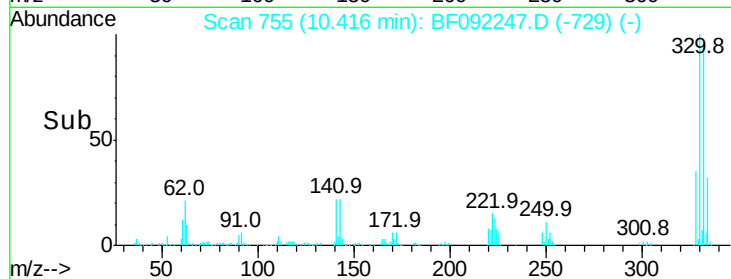
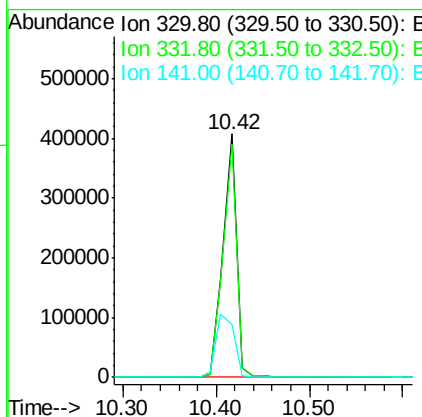
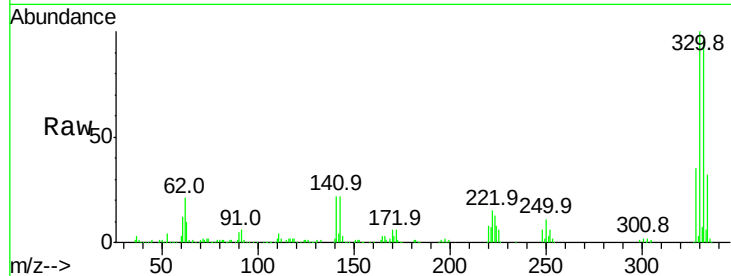
#41
 2,4,6-Tribromophenol
 Concen: 151.59 ng
 RT: 10.42 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: BF092247.D
 Acq: 13 Jan 2017 14:14

Instrument :
 BNA_F
 ClientSampled :
 P-19-11017

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.2
141	34.6	34.1	51.1

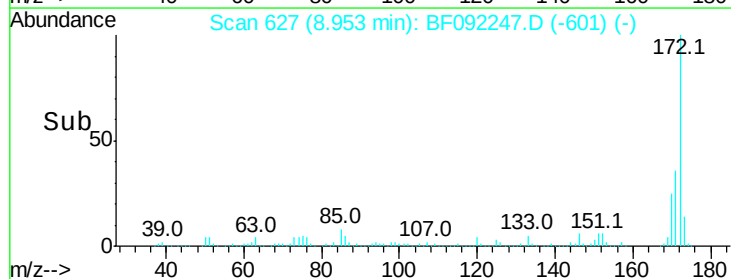
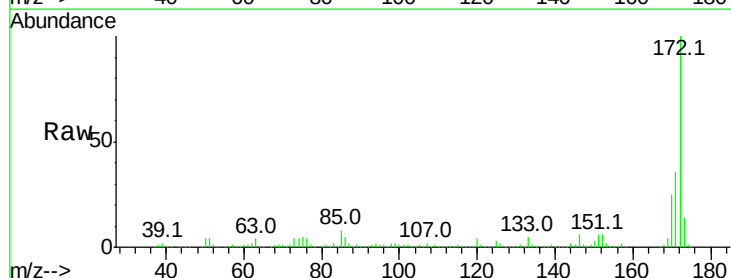
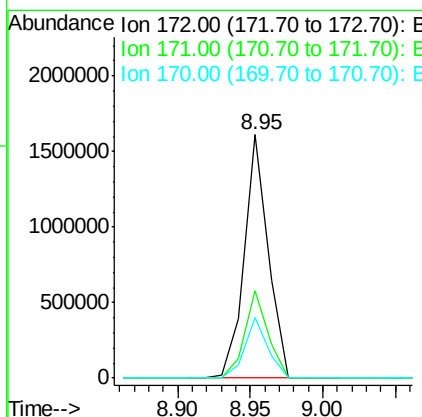
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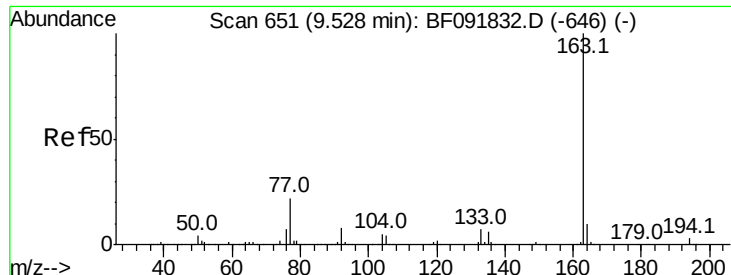
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#44
 2-Fluorobiphenyl
 Concen: 119.65 ng
 RT: 8.95 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: BF092247.D
 Acq: 13 Jan 2017 14:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.4	44.0
170	24.7	20.2	30.4





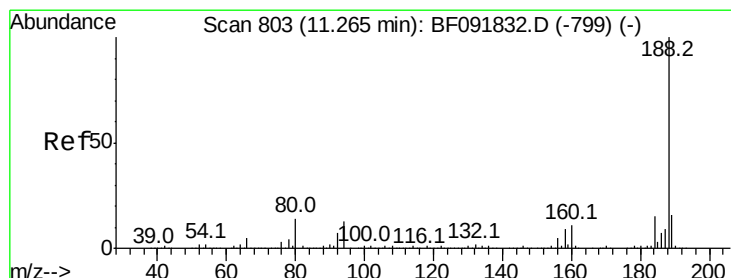
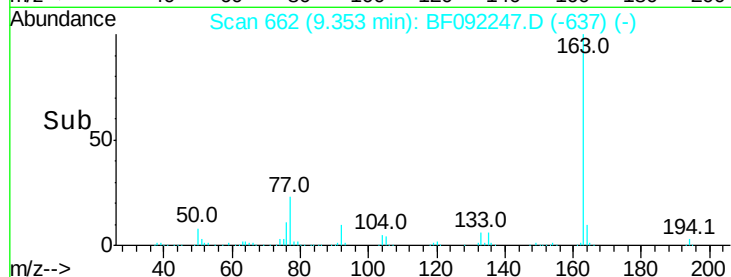
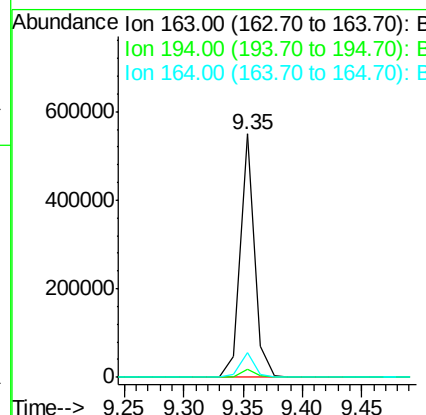
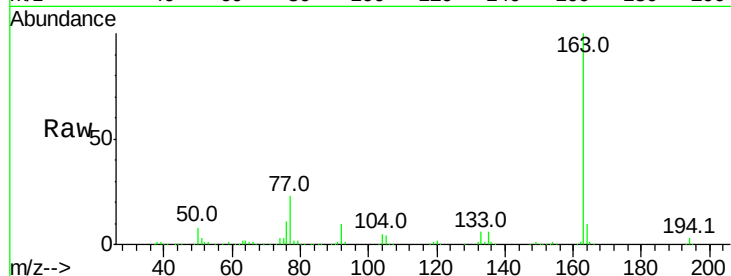
#49
Dimethylphthalate
Concen: 21.97 ng
RT: 9.35 min Scan# 662
Delta R.T. -0.01 min
Lab File: BF092247.D
Acq: 13 Jan 2017 14:14

Instrument :
BNA_F
ClientSampleId :
P-19-11017

Tot Ion	Ratio	Resp	Lower	Upper
163	100	462152		
194	3.2		3.0	4.4
164	10.0		8.0	12.0

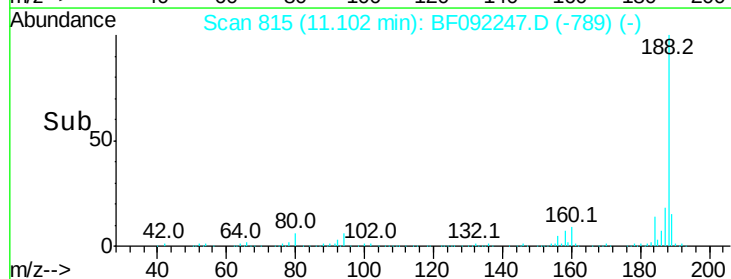
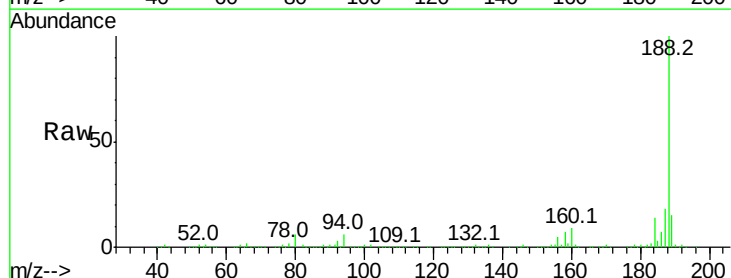
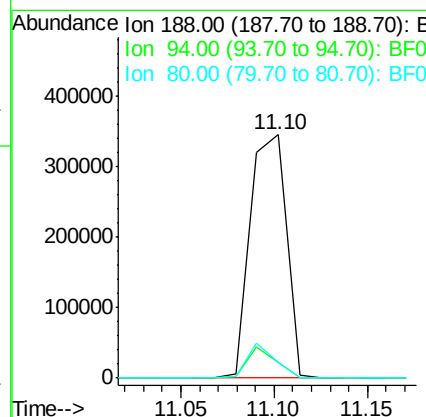
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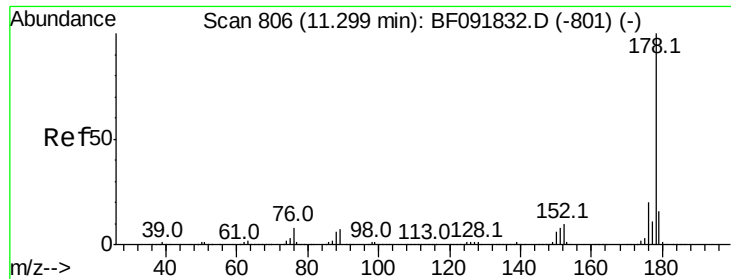
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.10 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF092247.D
Acq: 13 Jan 2017 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	465293		
94	6.3		10.0	15.0#
80	6.5		11.2	16.8#





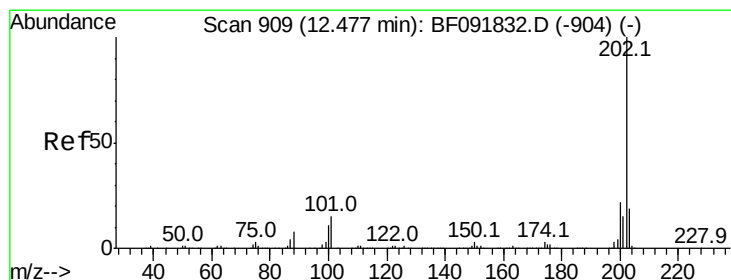
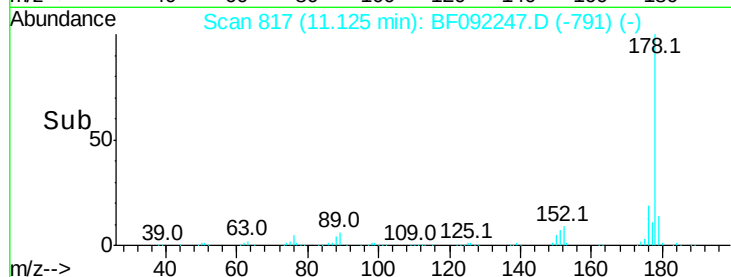
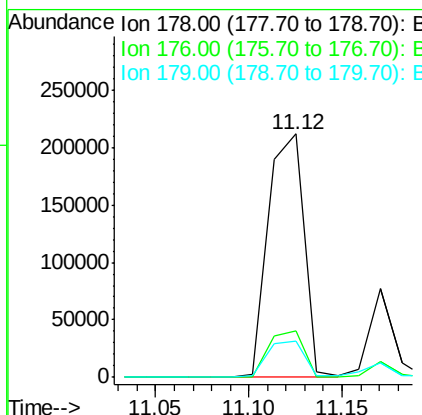
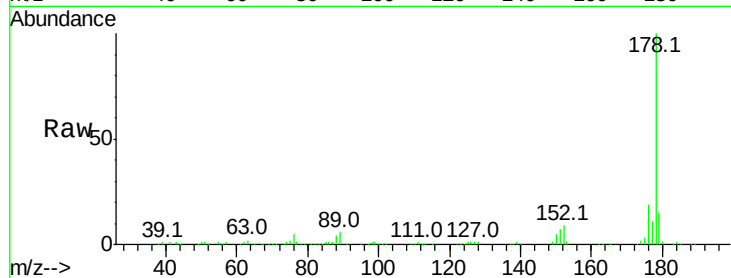
#70
Phenanthrene
Concen: 11.18 ng
RT: 11.12 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF092247.D
Acq: 13 Jan 2017 14:14

Instrument :
BNA_F
ClientSampled :
P-19-11017

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.6	25.0
179	14.6	12.8	19.2

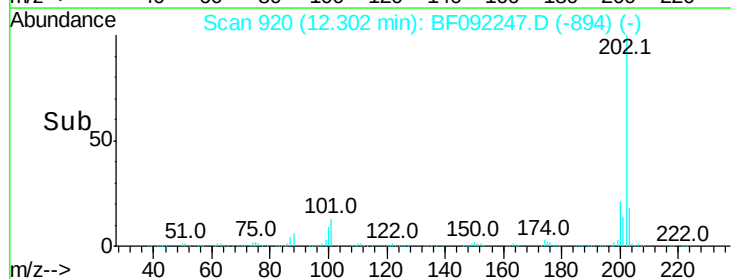
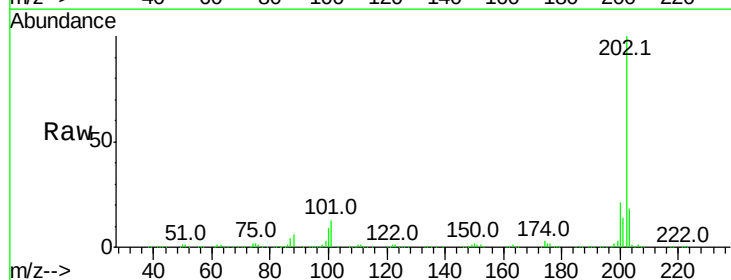
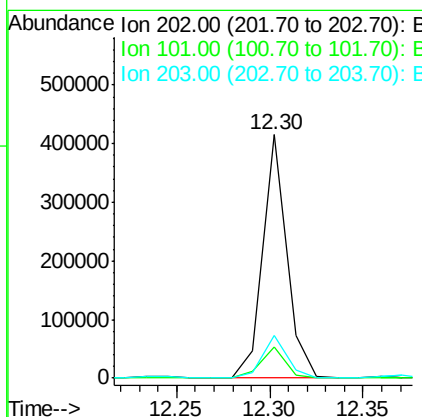
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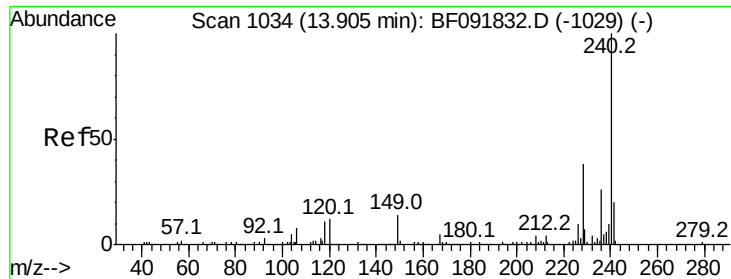
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#74
Fluoranthene
Concen: 13.94 ng
RT: 12.30 min Scan# 920
Delta R.T. 0.00 min
Lab File: BF092247.D
Acq: 13 Jan 2017 14:14

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	34.6
203	17.7	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.73 min Scan# 1045

Delta R.T. 0.00 min

Lab File: BF092247.D

Acq: 13 Jan 2017 14:14

Instrument :

BNA_F

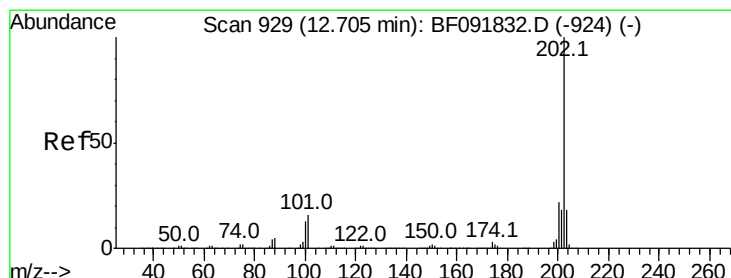
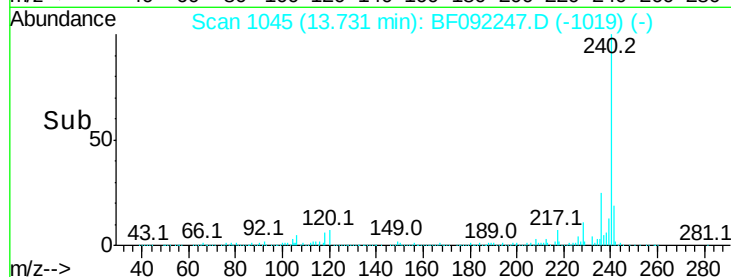
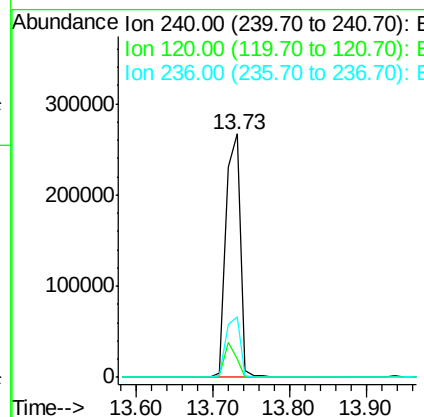
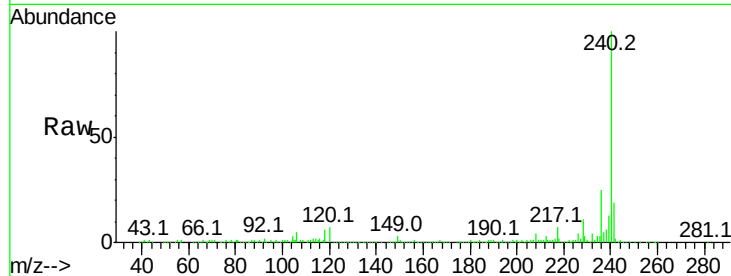
ClientSampleId :

P-19-11017

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	7.4	12.9	19.3#	
236	24.7	20.9	31.3	

Manual Integrations
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#77

Pyrene

Concen: 14.31 ng

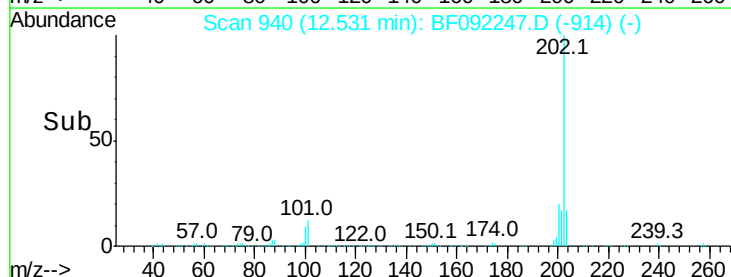
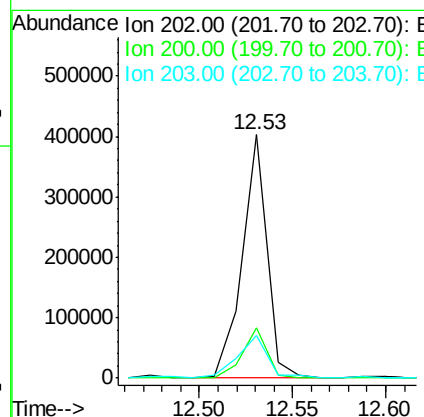
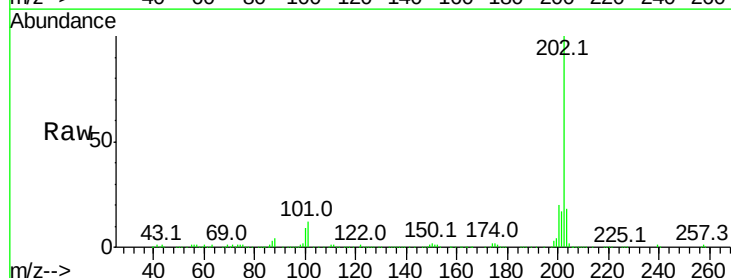
RT: 12.53 min Scan# 940

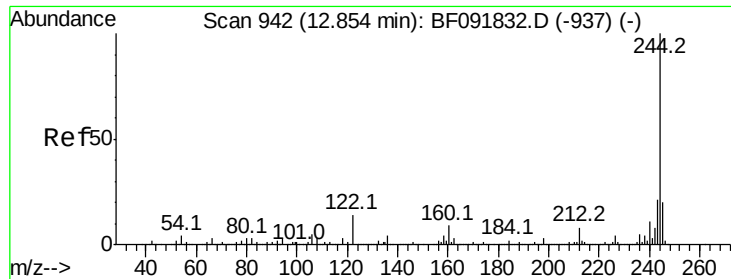
Delta R.T. 0.00 min

Lab File: BF092247.D

Acq: 13 Jan 2017 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.4	17.7	26.5	
203	17.6	14.7	22.1	





#78

Terphenyl-d14

Concen: 91.79 ng

RT: 12.69 min Scan# 954

Delta R.T. 0.00 min

Lab File: BF092247.D

Acq: 13 Jan 2017 14:14

Instrument :

BNA_F

ClientSampled :

P-19-11017

Tot Ion:244 Resp: 1343036

Ion Ratio Lower Upper

244 100

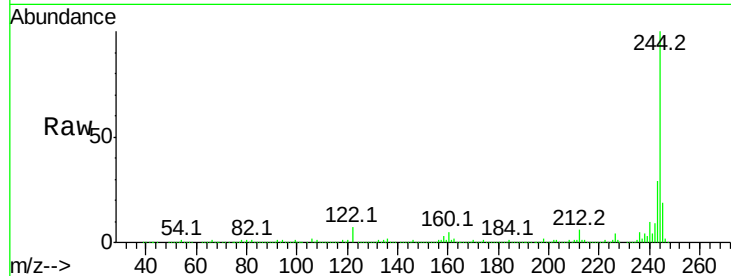
212 6.3 6.2 9.2

122 6.6 11.4 17.2#

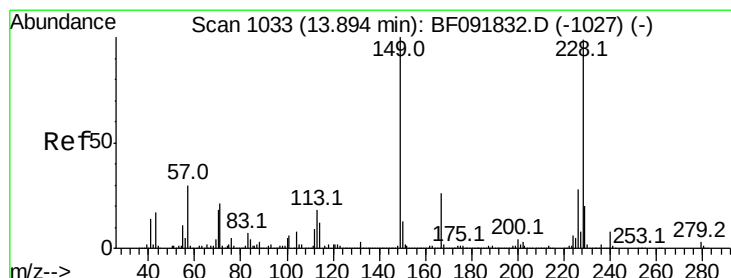
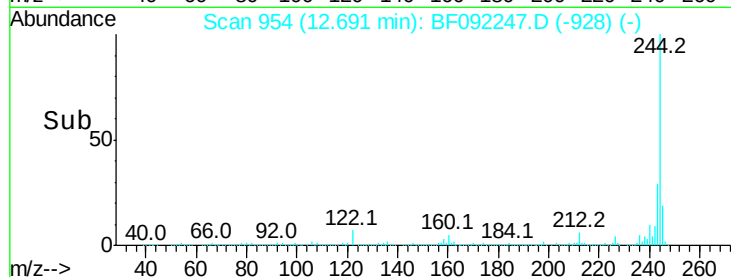
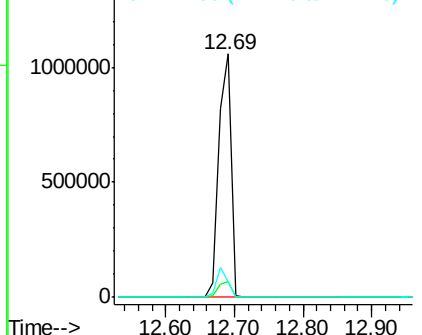
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 9.17 ng

RT: 13.72 min Scan# 1044

Delta R.T. 0.00 min

Lab File: BF092247.D

Acq: 13 Jan 2017 14:14

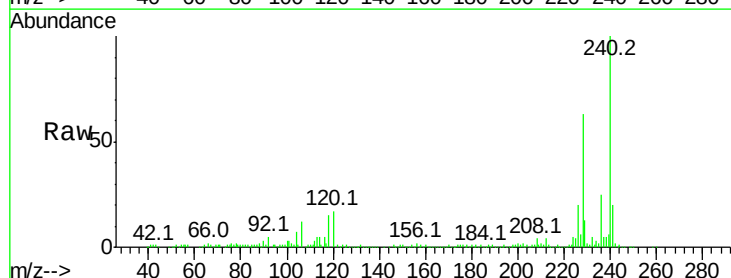
Tgt Ion:228 Resp: 183616

Ion Ratio Lower Upper

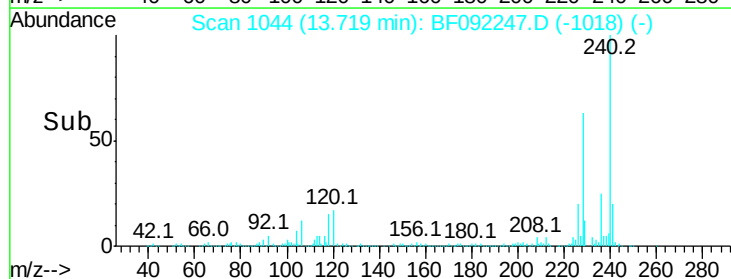
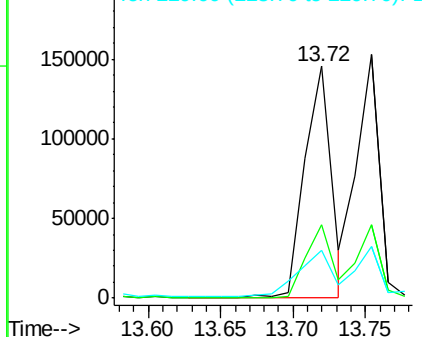
228 100

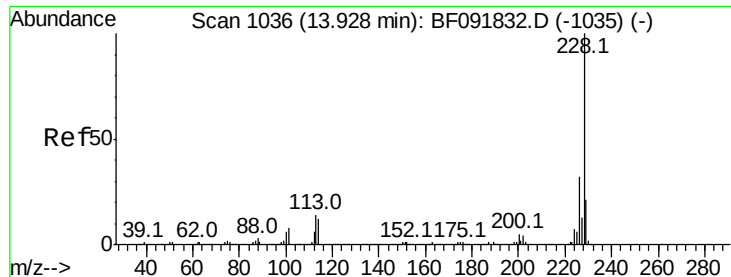
226 31.7 22.4 33.6

229 20.5 16.2 24.4



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: 8.33 ng/mL

RT: 13.75 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BF092247.D

Acq: 13 Jan 2017 14:14

Instrument :

BNA_F

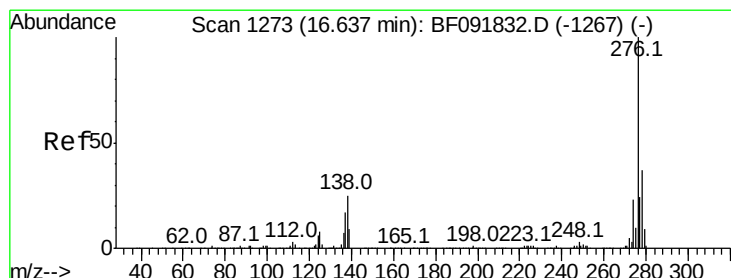
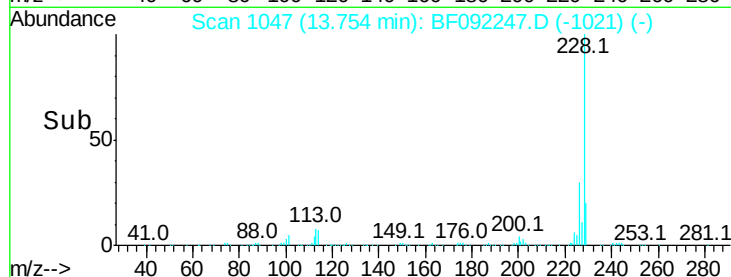
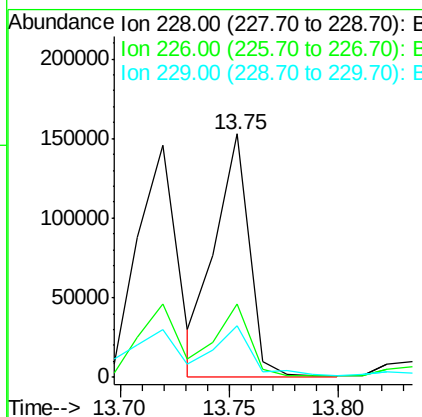
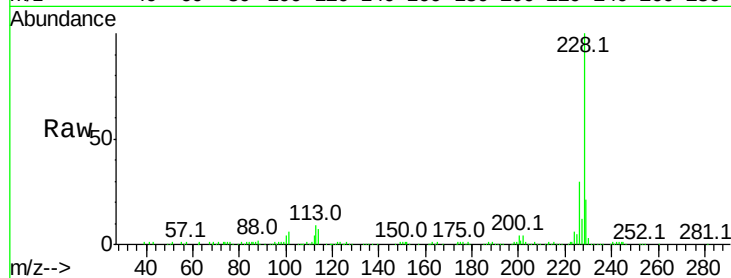
ClientSampleId :

P-19-11017

Tot Ion:	228	Resp:	167372
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.4	38.0
229	21.1	16.2	24.2

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.89 ng/mL

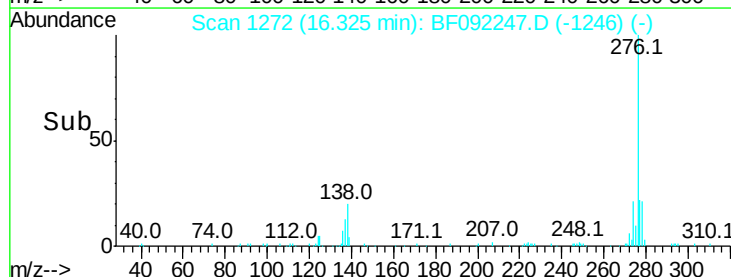
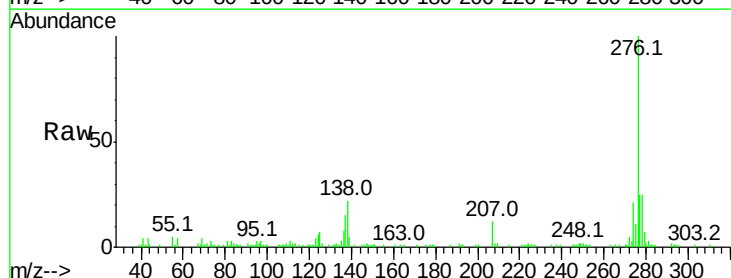
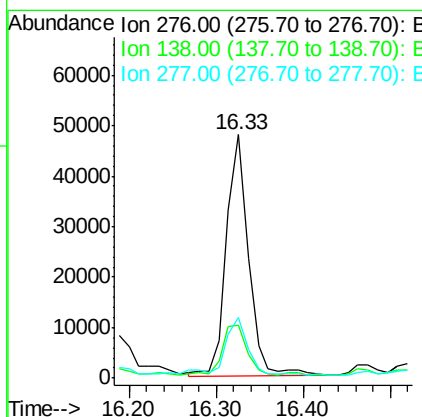
RT: 16.33 min Scan# 1272

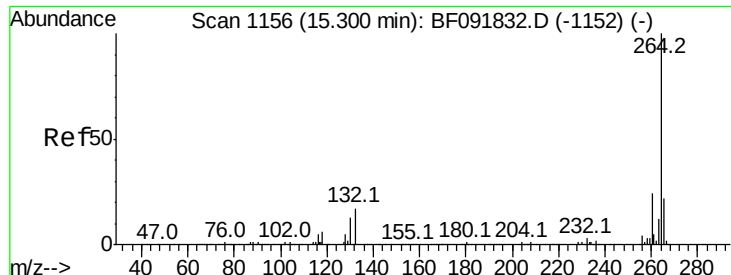
Delta R.T. 0.00 min

Lab File: BF092247.D

Acq: 13 Jan 2017 14:14

Tgt Ion:	276	Resp:	85069
Ion Ratio	Lower	Upper	
276	100		
138	24.2	21.8	32.6
277	26.5	20.2	30.4





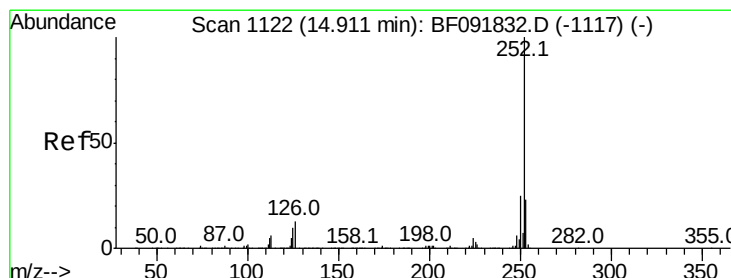
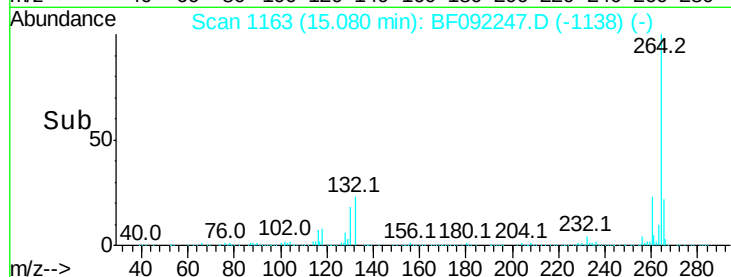
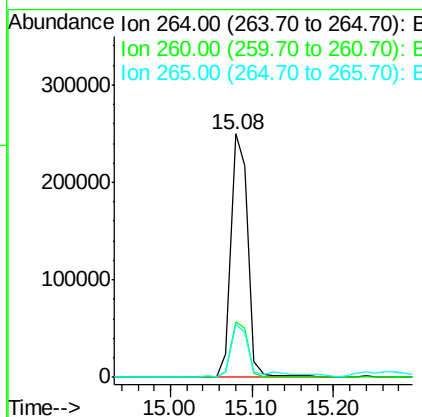
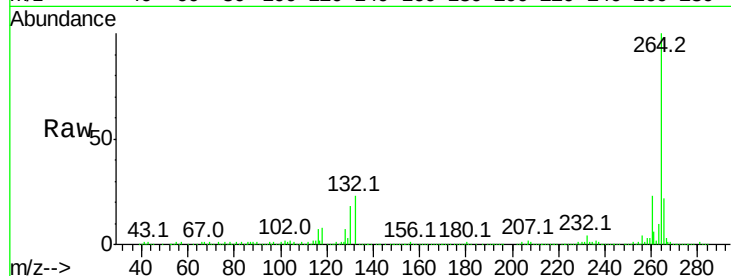
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.08 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF092247.D
Acq: 13 Jan 2017 14:14

Instrument :
BNA_F
ClientSampleId :
P-19-11017

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.9	17.4	26.0

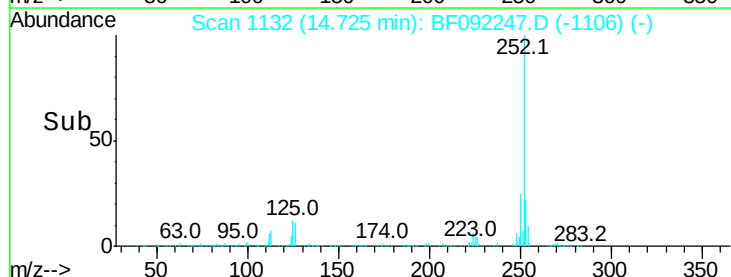
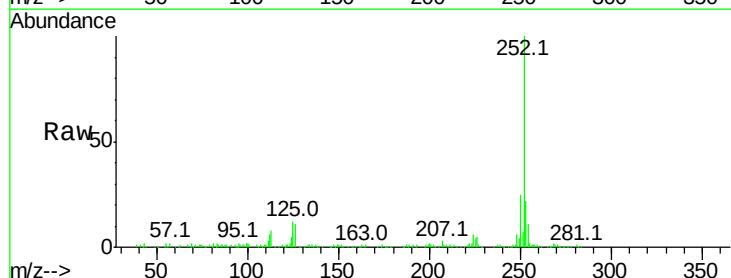
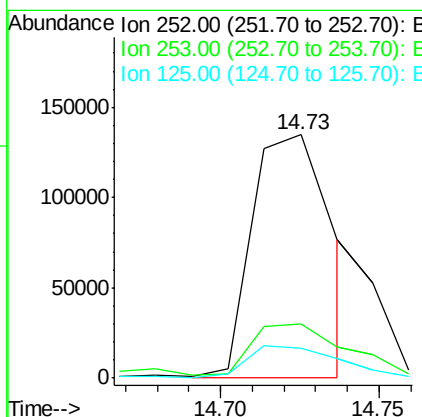
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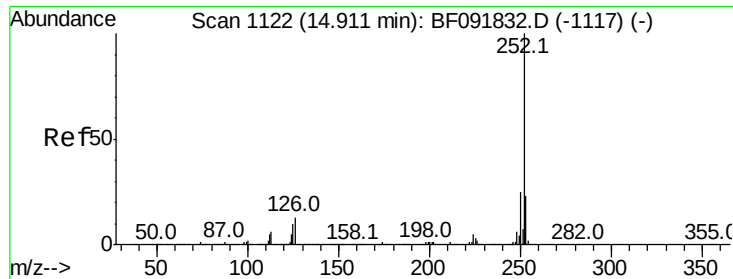
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#87
Benzo(b)fluoranthene
Concen: 10.62 ng m
RT: 14.73 min Scan# 1132
Delta R.T. 0.00 min
Lab File: BF092247.D
Acq: 13 Jan 2017 14:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.4
125	12.0	9.8	14.6





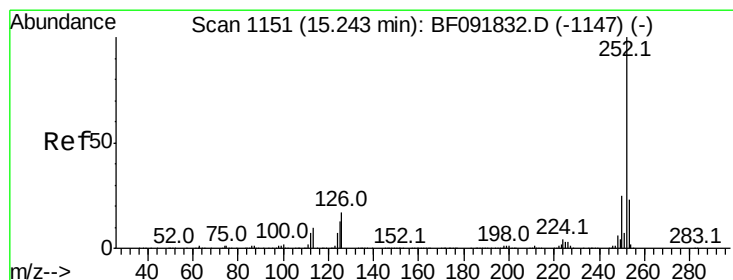
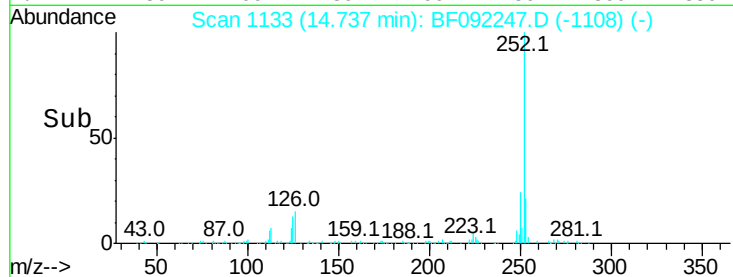
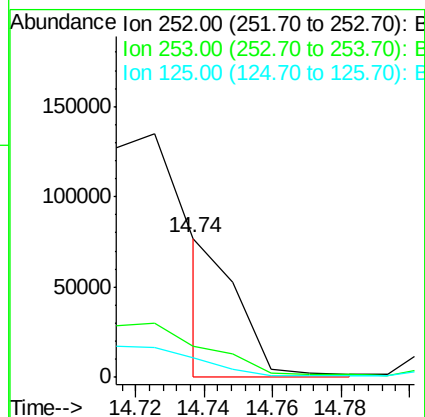
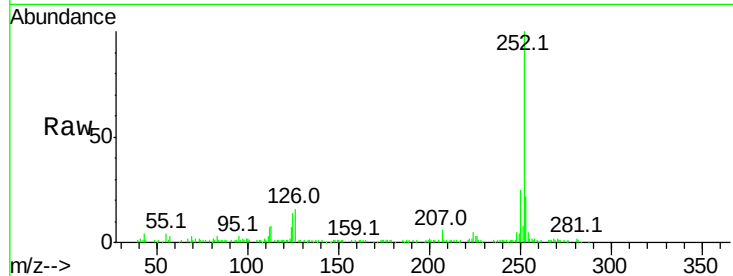
#88
Benzo(k)fluoranthene
Concen: 2.22 ng m
RT: 14.74 min Scan# 1133
Delta R.T. -0.01 min
Lab File: BF092247.D
Acq: 13 Jan 2017 14:14

Instrument :
BNA_F
ClientSampleId :
P-19-11017

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.5	27.7
125	14.0	8.9	13.3

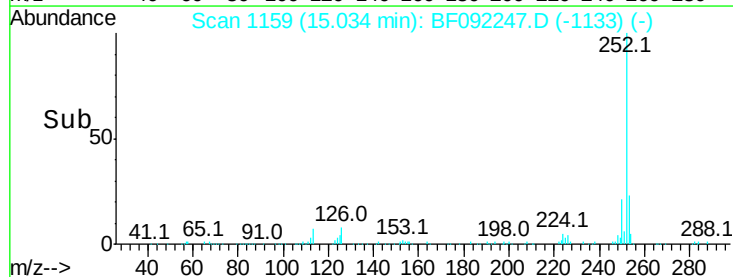
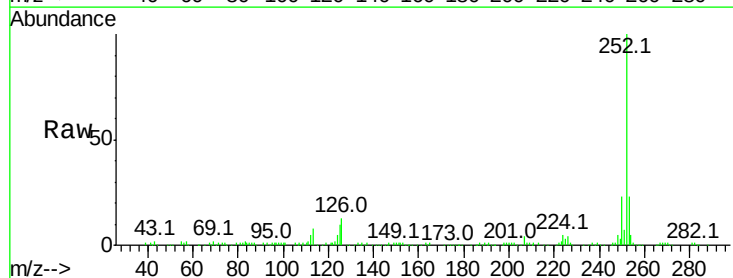
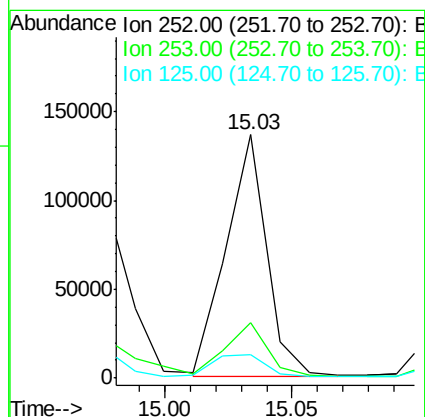
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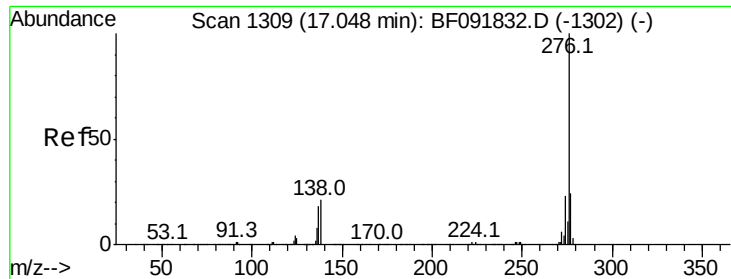
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#89
Benzo(a)pyrene
Concen: 7.75 ng m
RT: 15.03 min Scan# 1159
Delta R.T. 0.00 min
Lab File: BF092247.D
Acq: 13 Jan 2017 14:14

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	9.5	10.0	15.0





#91
 Benzo(a,h,i)perylene
 Concen: 4.71 ng
 RT: 16.69 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF092247.D
 Acq: 13 Jan 2017 14:14

Instrument :
 BNA_F
 ClientSampleId :
 P-19-11017

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.2	28.8
138	21.7	16.0	24.0

Manual Integrations
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