

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
 Data File : BF092146.D
 Acq On : 9 Jan 2017 19:15
 Operator : UM/SJ
 Sample : I1064-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP5-6-COMP11

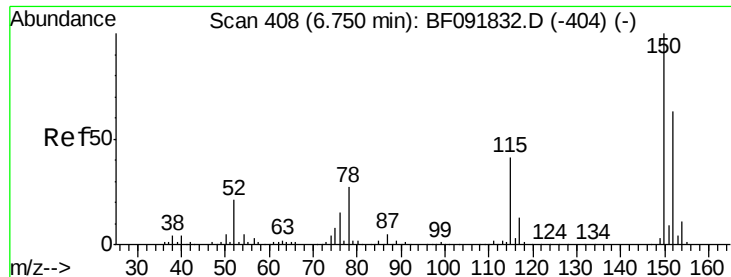
Manual Integrations
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 1/10/2017 10:01:21 AM

Quant Time: Jan 10 03:03:54 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	201614	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	815528	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	331930	20.00	ng	-0.01
63) Phenanthrene-d10	11.15	188	555803	20.00	ng	-0.01
75) Chrysene-d12	13.77	240	362386	20.00	ng	-0.01
86) Perylene-d12	15.15	264	323982	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	1630663	135.05	ng	0.00
7) Phenol-d6	6.31	99	2302515	156.19	ng	0.00
23) Nitrobenzene-d5	7.20	82	1272003	86.73	ng	-0.01
41) 2,4,6-Tribromophenol	10.46	330	397330	144.64	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	1870651	120.92	ng	-0.01
78) Terphenyl-d14	12.73	244	1239436	82.95	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.93	128	115077	3.08	ng	97
48) Acenaphthylene	9.52	152	136276	4.92	ng	97
49) Dimethylphthalate	9.40	163	530033	24.97	ng	98
70) Phenanthrene	11.17	178	318961	10.58	ng	97
74) Fluoranthene	12.36	202	465359	15.06	ng	91
77) Pyrene	12.57	202	529266	19.91	ng	97
80) Benzo(a)anthracene	13.76	228	271621m	13.28	ng	
82) Chrysene	13.80	228	197251	9.61	ng	97
85) Indeno(1,2,3-cd)pyrene	16.41	276	163012	9.17	ng	94
87) Benzo(b)fluoranthene	14.78	252	371235m	18.40	ng	
88) Benzo(k)fluoranthene	14.79	252	53029m	3.08	ng	
89) Benzo(a)pyrene	15.09	252	252800	14.12	ng	98
90) Dibenzo(a,h)anthracene	16.41	278	31550m	2.14	ng	
91) Benzo(g,h,i)perylene	16.79	276	194926	12.74	ng	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

Instrument :

BNA_F

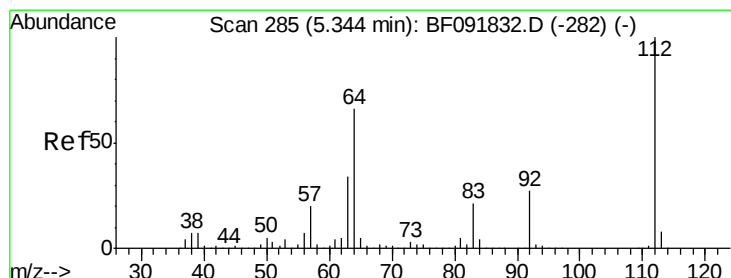
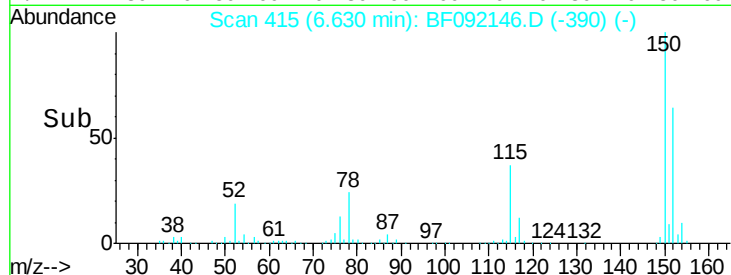
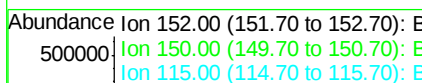
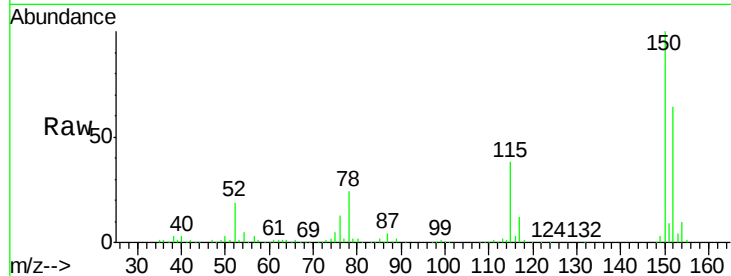
ClientSampleId :

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Tgt Ion:	152	Resp:	201614
Ion Ratio	Lower	Upper	
152	100		
150	155.1	124.9	187.3
115	58.3	46.0	69.0

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#5

2-Fluorophenol

Concen: 135.05 ng

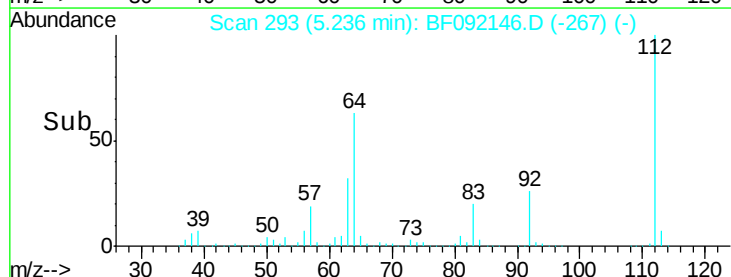
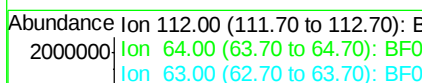
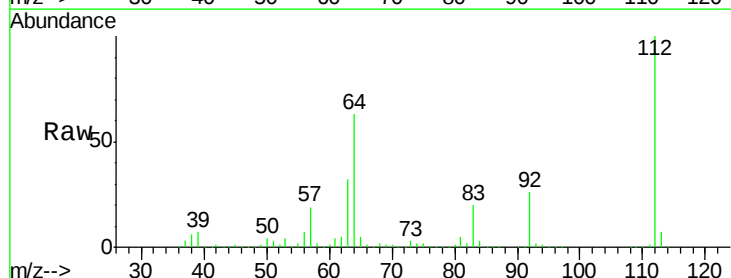
RT: 5.24 min Scan# 293

Delta R.T. 0.00 min

Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

Tgt Ion:	112	Resp:	1630663
Ion Ratio	Lower	Upper	
112	100		
64	62.6	46.1	69.1
63	32.1	23.8	35.6





#7

Phenol-d6

Concen: 156.19 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

Instrument :

BNA_F

ClientSampleId :

TP5-6-COMP11

Tgt Ion: 99 Resp: 2302515

Ion Ratio Lower Upper

99 100

42 14.5 15.6 23.4#

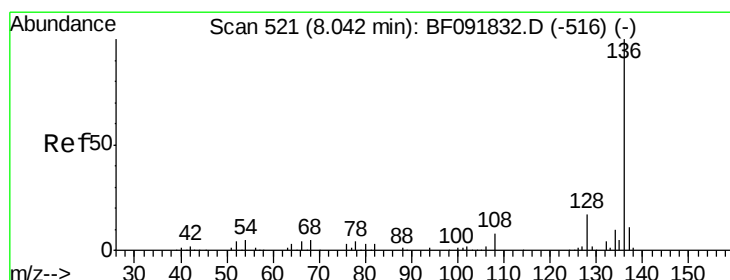
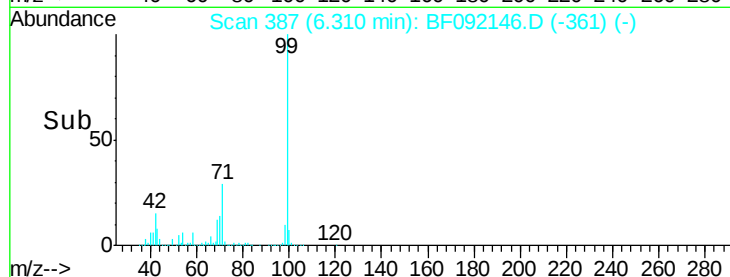
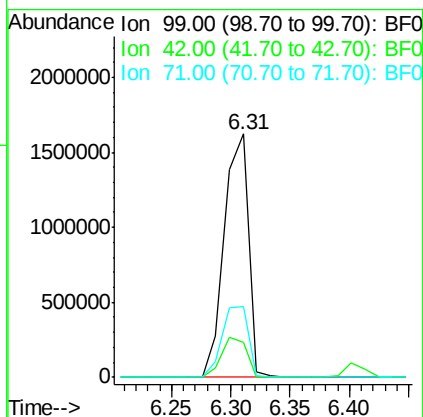
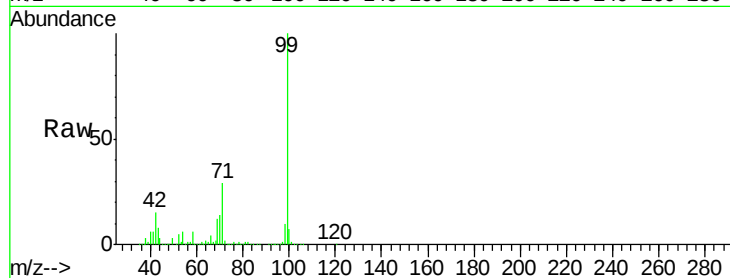
71 29.1 27.5 41.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 528

Delta R.T. -0.01 min

Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

Tgt Ion: 136 Resp: 815528

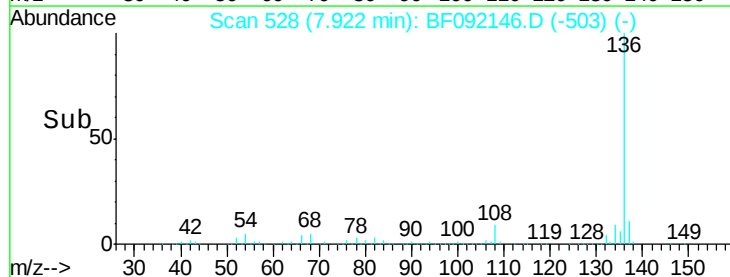
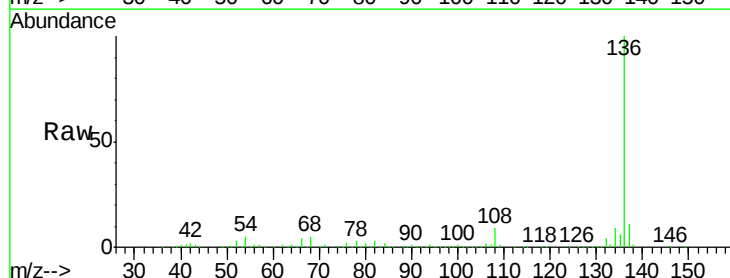
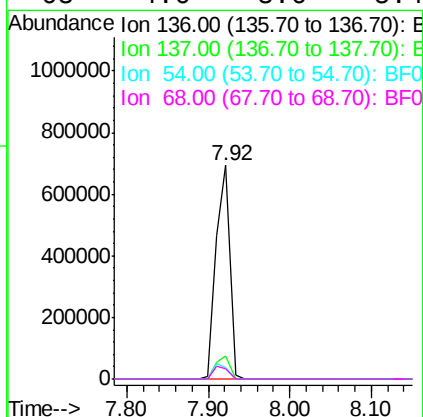
Ion Ratio Lower Upper

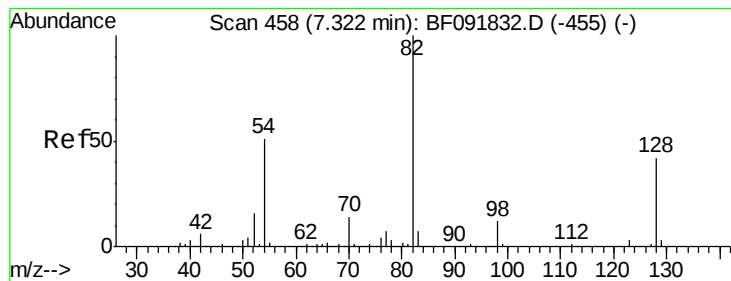
136 100

137 10.5 8.4 12.6

54 5.5 4.5 6.7

68 4.6 3.6 5.4





#23

Nitrobenzene-d5

Concen: 86.73 ng

RT: 7.20 min Scan# 465

Delta R.T. -0.01 min

Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 82 Resp: 1272003

Ion Ratio Lower Upper

82 100

128 41.8 34.6 52.0

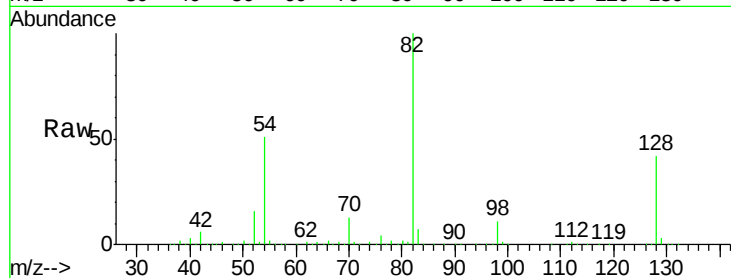
54 50.8 39.5 59.3

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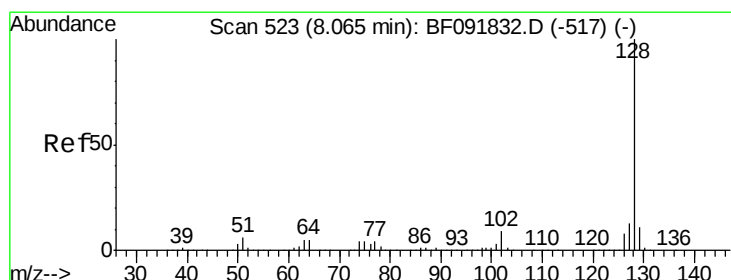
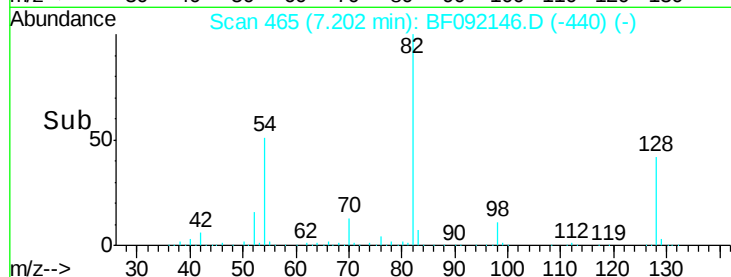
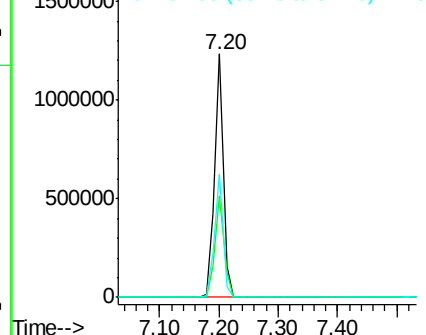
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Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#31

Naphthalene

Concen: 3.08 ng

RT: 7.93 min Scan# 529

Delta R.T. -0.02 min

Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

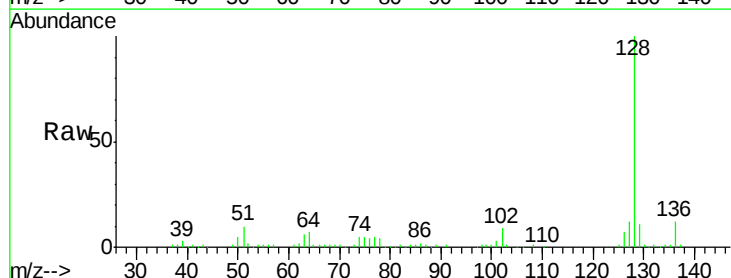
Tgt Ion: 128 Resp: 115077

Ion Ratio Lower Upper

128 100

129 10.6 9.5 14.3

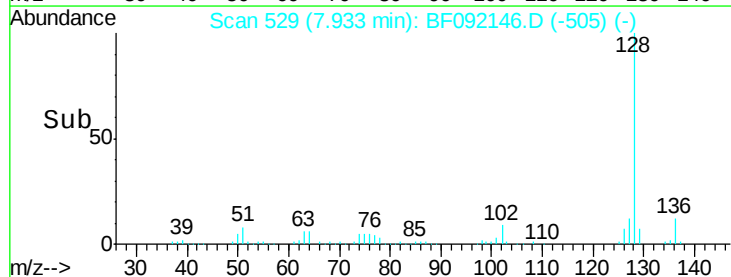
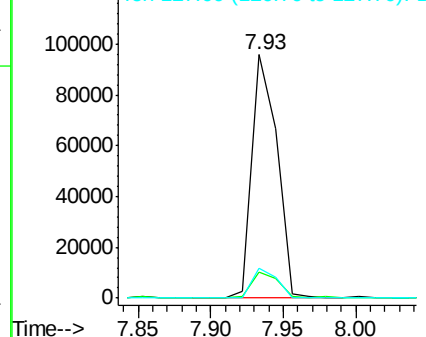
127 12.5 10.8 16.2

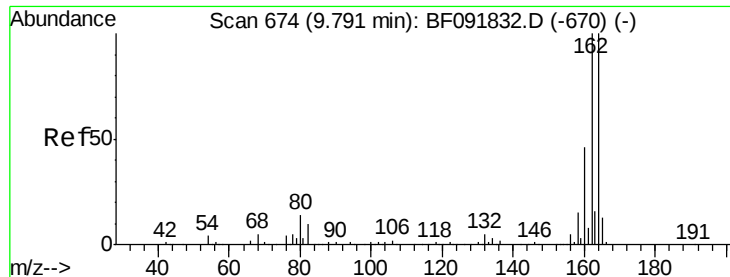


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





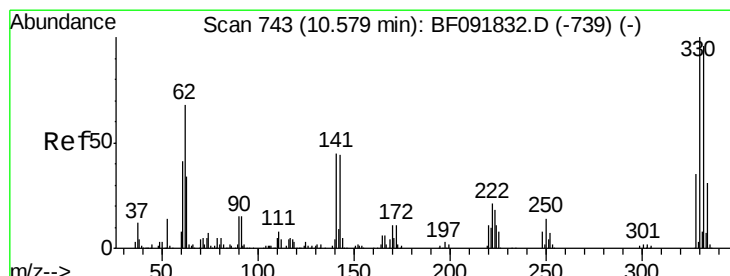
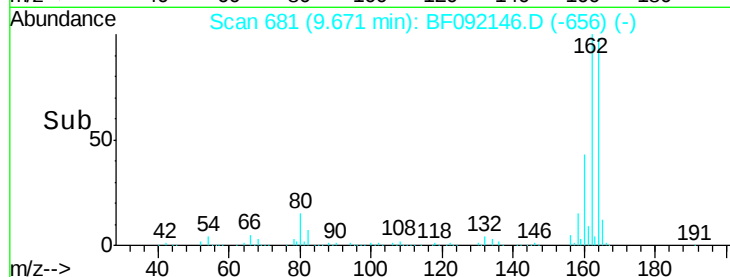
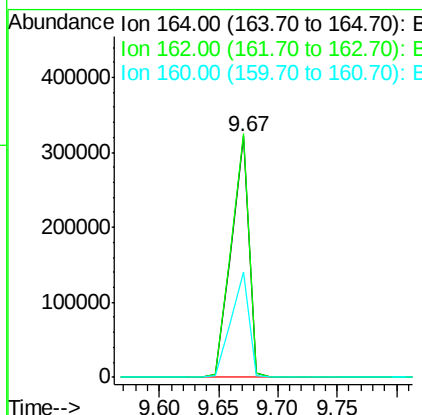
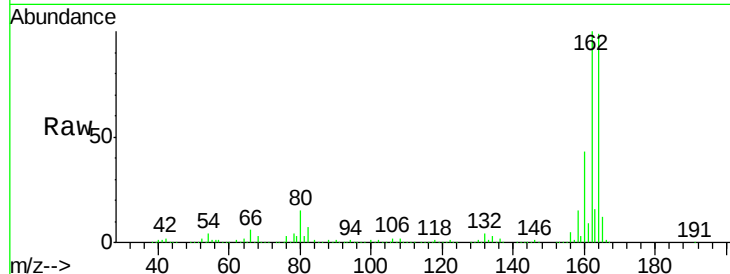
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.67 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF092146.D
Acq: 9 Jan 2017 19:15

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BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
164	100	331930		
162	101.3	80.2	120.2	
160	43.8	36.9	55.3	

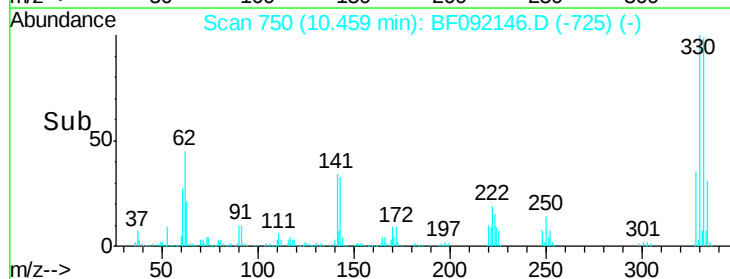
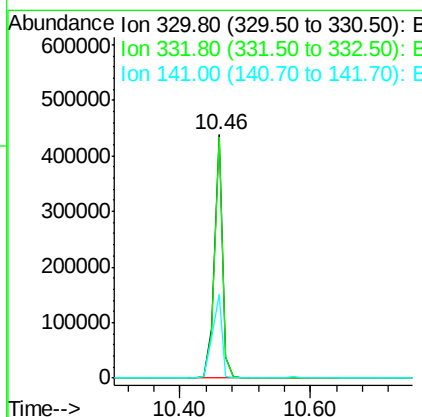
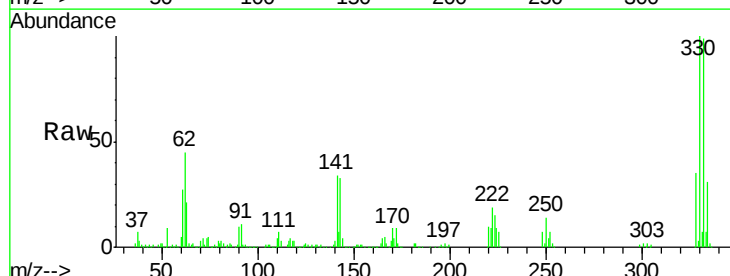
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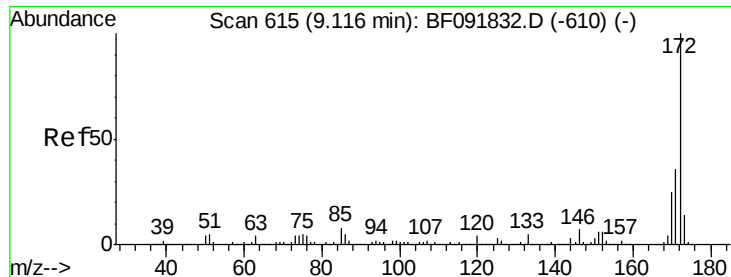
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#41
2,4,6-Tribromophenol
Concen: 144.64 ng
RT: 10.46 min Scan# 750
Delta R.T. -0.01 min
Lab File: BF092146.D
Acq: 9 Jan 2017 19:15

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	397330		
332	97.7	77.4	116.2	
141	40.2	34.1	51.1	





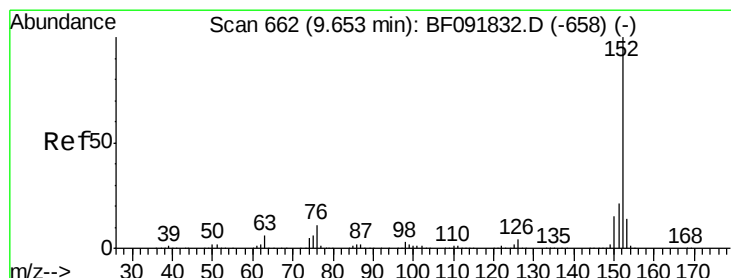
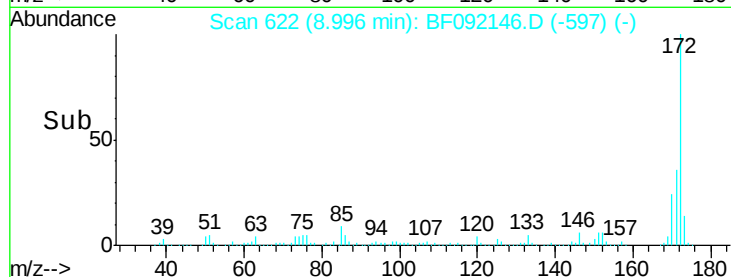
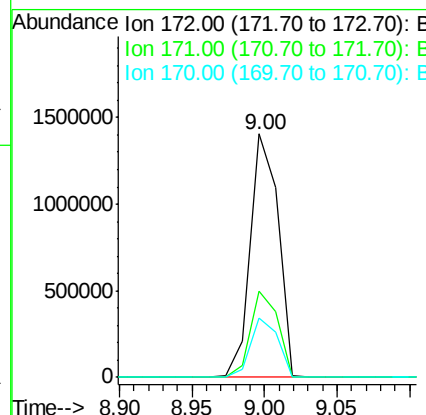
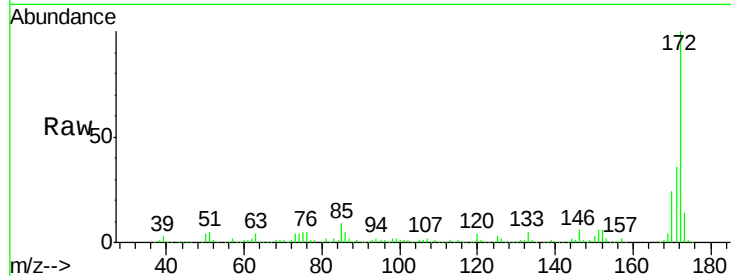
#44
2-Fluorobiphenyl
Concen: 120.92 ng
RT: 9.00 min Scan# 622
Delta R.T. -0.01 min
Lab File: BF092146.D
Acq: 9 Jan 2017 19:15

Instrument :
BNA_F
ClientSampleId :
TP5-6-COMP11

Tgt Ion:172 Resp: 1870651
Ion Ratio Lower Upper
172 100
171 35.6 29.4 44.0
170 24.1 20.2 30.4

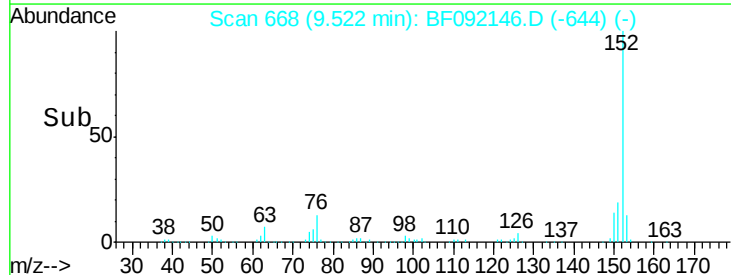
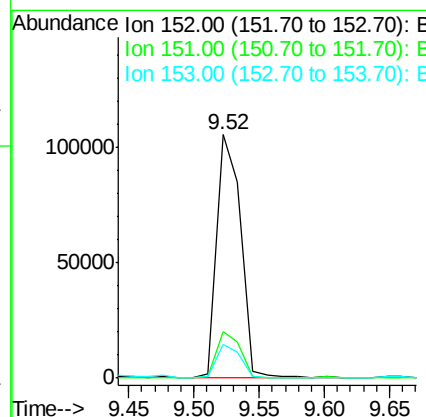
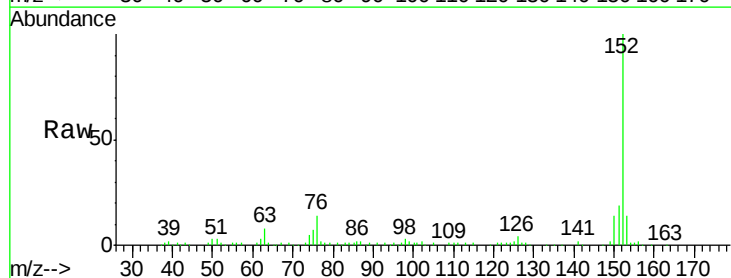
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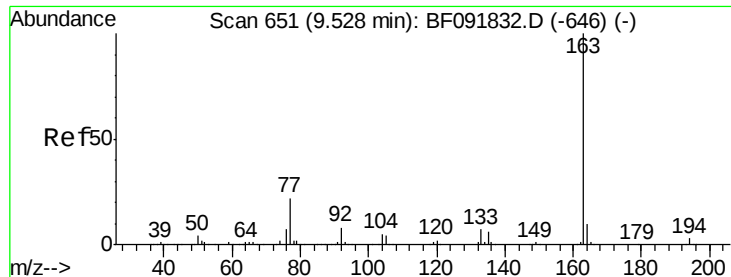
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#48
Acenaphthylene
Concen: 4.92 ng
RT: 9.52 min Scan# 668
Delta R.T. -0.02 min
Lab File: BF092146.D
Acq: 9 Jan 2017 19:15

Tgt Ion:152 Resp: 136276
Ion Ratio Lower Upper
152 100
151 19.3 16.9 25.3
153 14.0 11.4 17.2





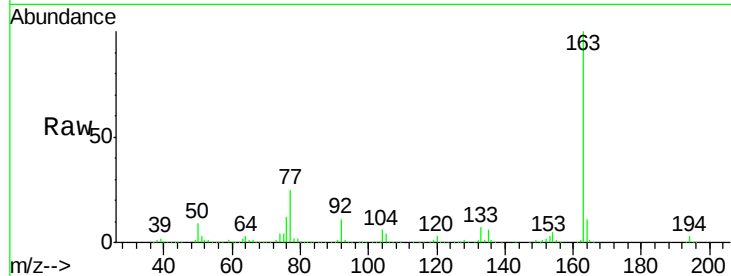
#49
Dimethylphthalate
Concen: 24.97 ng
RT: 9.40 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF092146.D
Acq: 9 Jan 2017 19:15

Instrument :
BNA_F
ClientSampleId :
TP5-6-COMP11

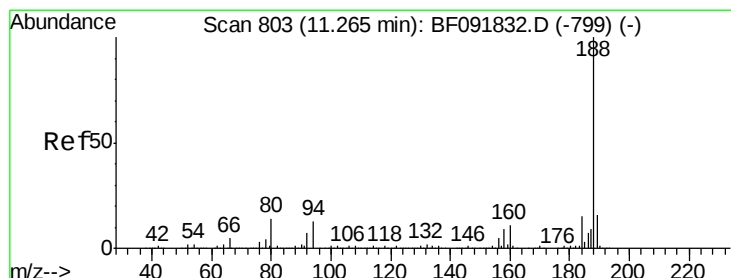
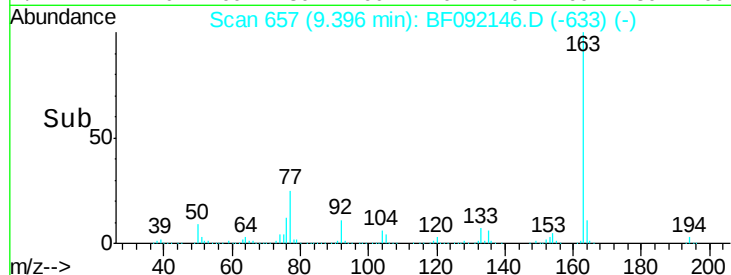
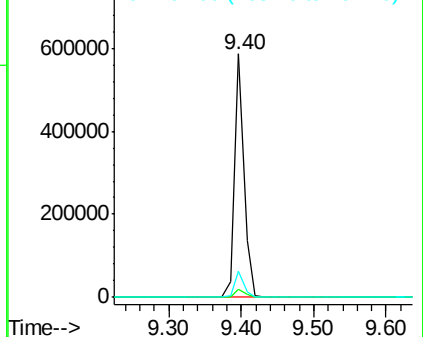
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.2	3.0	4.4
164	10.6	8.0	12.0

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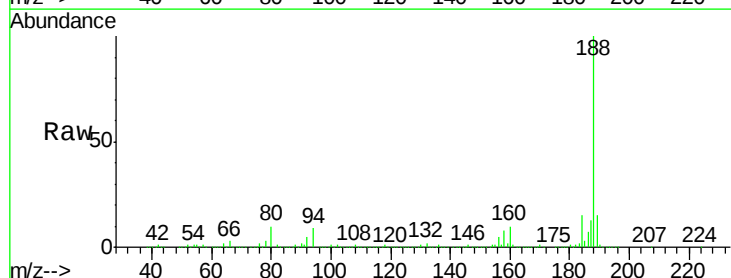


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

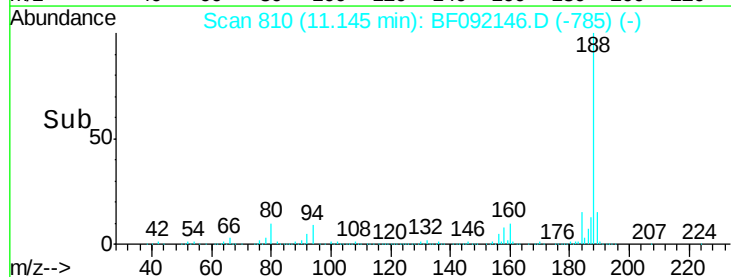
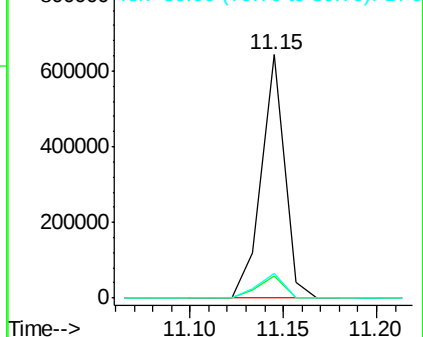


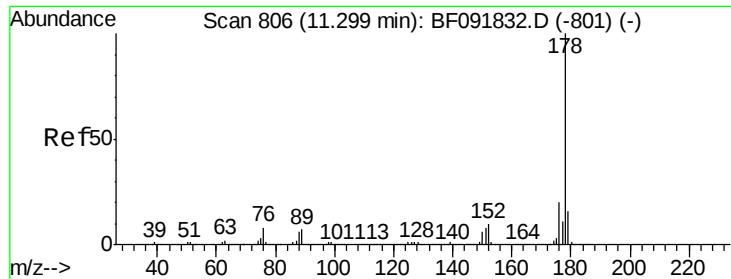
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF092146.D
Acq: 9 Jan 2017 19:15

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.4	10.0	15.0#
80	10.2	11.2	16.8#



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





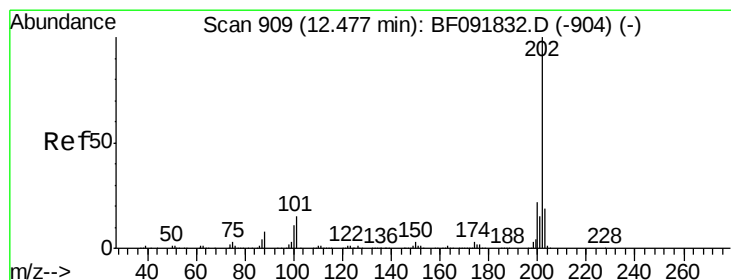
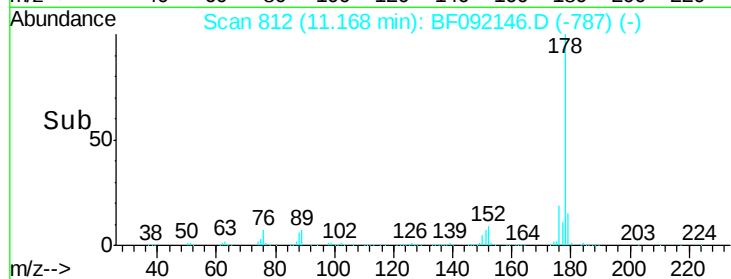
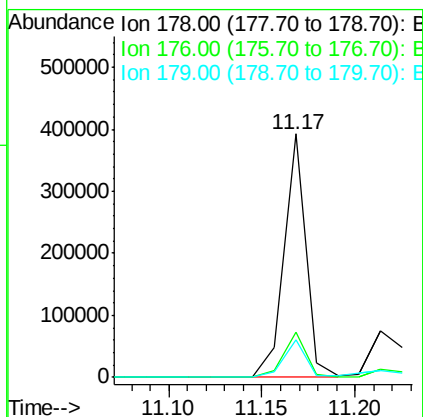
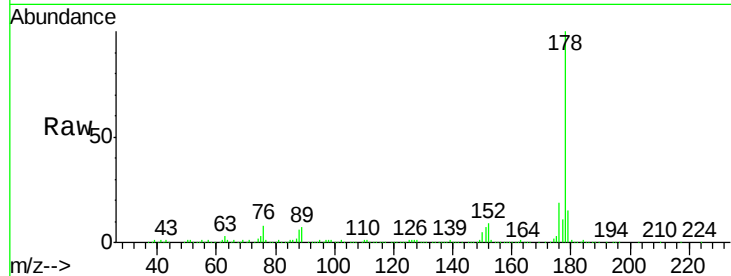
#70
Phenanthrene
Concen: 10.58 ng
RT: 11.17 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF092146.D
Acq: 9 Jan 2017 19:15

Instrument :
BNA_F
ClientSampleId :
TP5-6-COMP11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.6	25.0
179	15.5	12.8	19.2

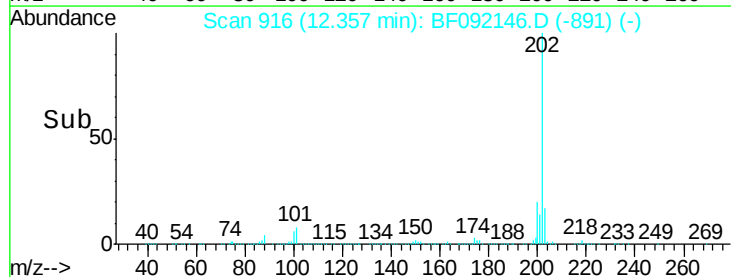
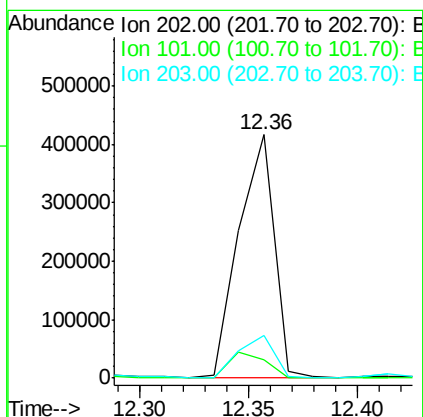
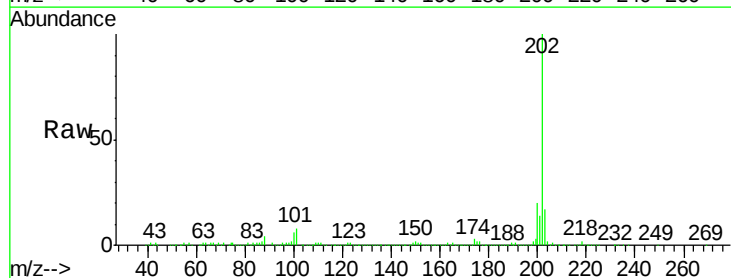
Manual Integrations
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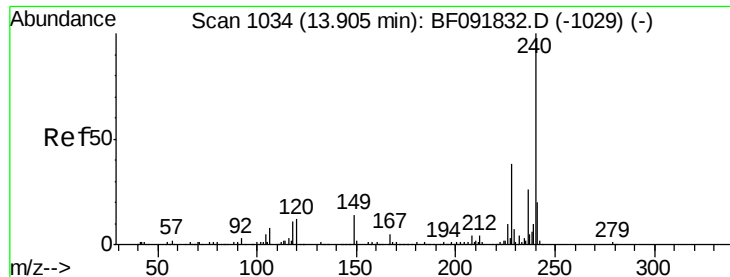
Sohil
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#74
Fluoranthene
Concen: 15.06 ng
RT: 12.36 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF092146.D
Acq: 9 Jan 2017 19:15

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	34.6
203	17.3	0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

Instrument :

BNA_F

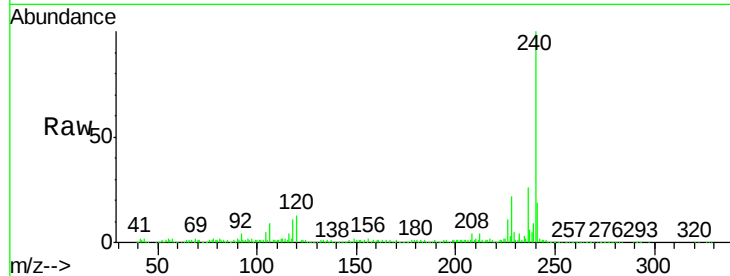
ClientSampleId :

TP5-6-COMP11

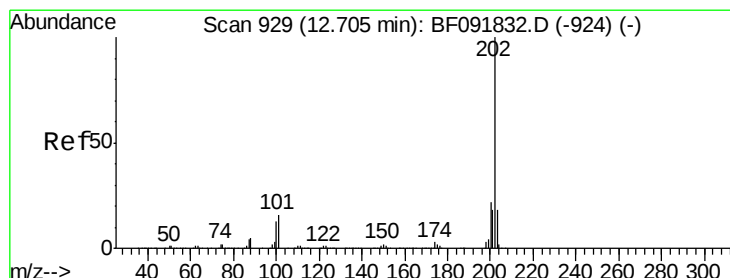
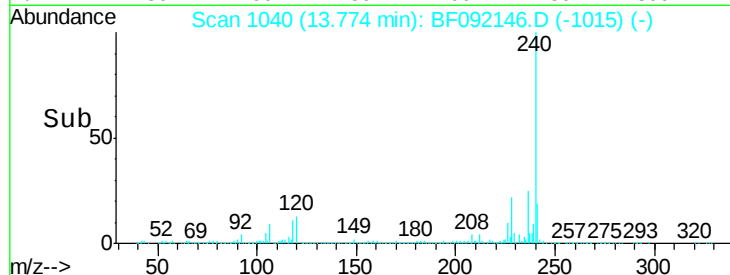
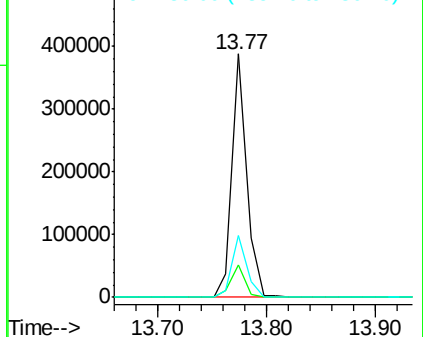
Tgt Ion:	240	Resp:	362386
Ion Ratio	Lower	Upper	
240	100		
120	13.4	12.9	19.3
236	25.6	20.9	31.3

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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: 19.91 ng

RT: 12.57 min Scan# 935

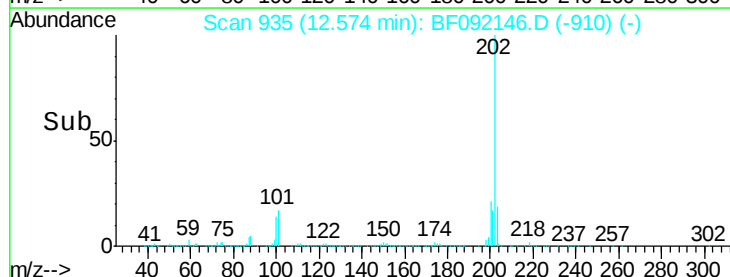
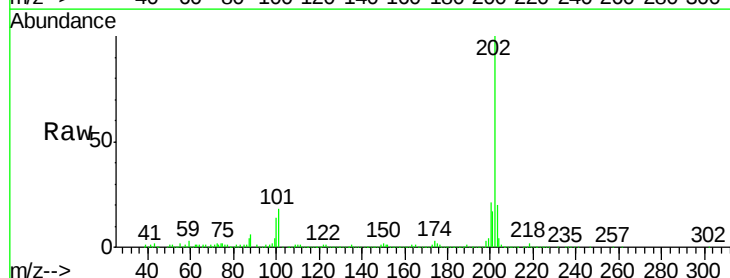
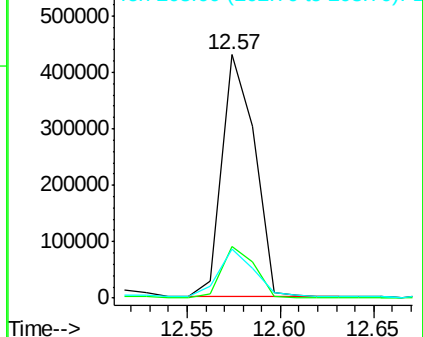
Delta R.T. -0.01 min

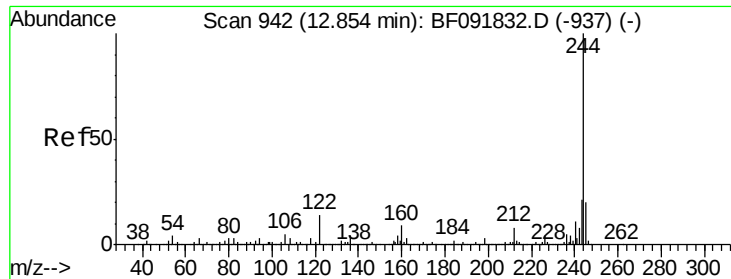
Lab File: BF092146.D

Acq: 9 Jan 2017 19:15

Tgt Ion:	202	Resp:	529266
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.7	26.5
203	20.0	14.7	22.1

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





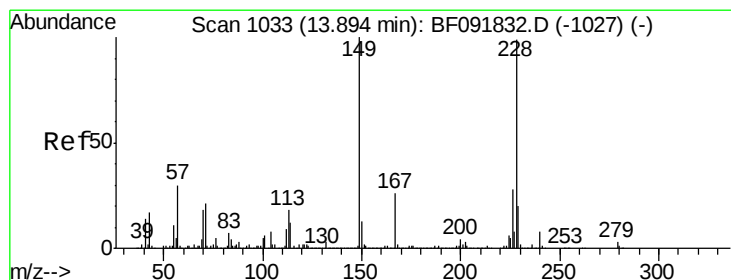
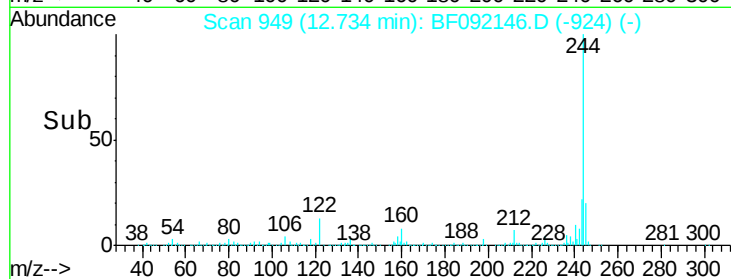
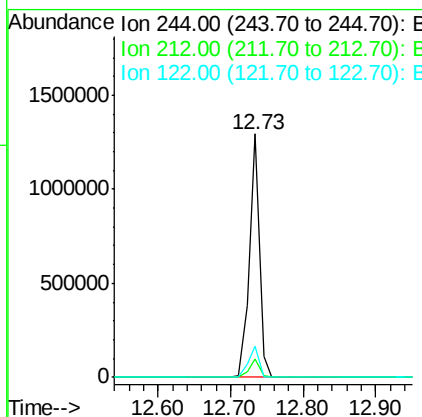
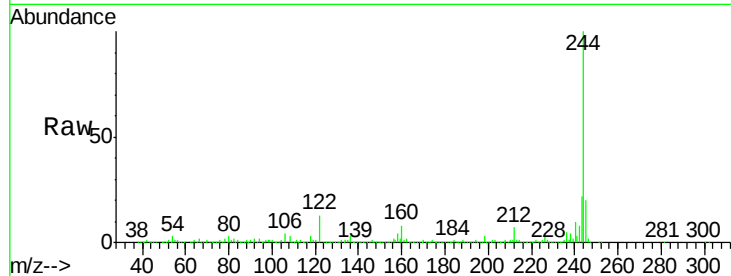
#78
 Terphenyl-d14
 Concen: 82.95 ng
 RT: 12.73 min Scan# 949
 Delta R.T. -0.01 min
 Lab File: BF092146.D
 Acq: 9 Jan 2017 19:15

Instrument :
 BNA_F
 ClientSampleId :
 TP5-6-COMP11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.2	9.2
122	12.6	11.4	17.2

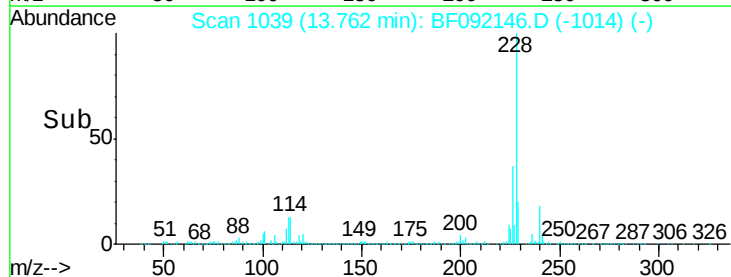
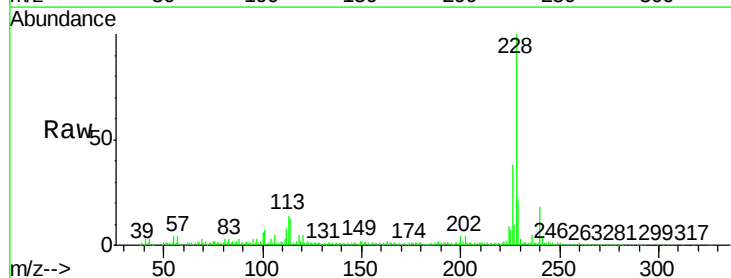
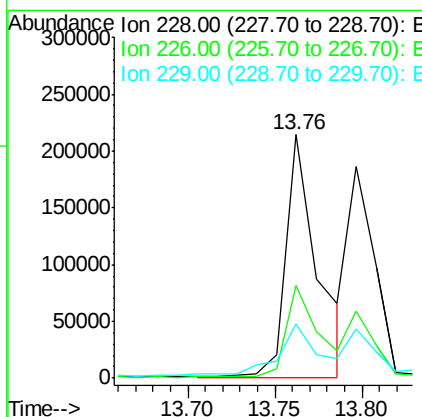
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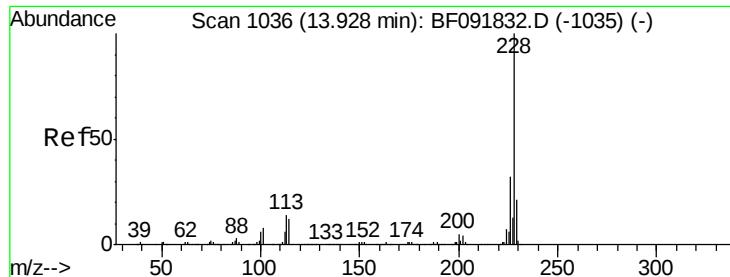
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#80
 Benzo(a)anthracene
 Concen: 13.28 ng m
 RT: 13.76 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: BF092146.D
 Acq: 9 Jan 2017 19:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.9	22.4	33.6#
229	22.2	16.2	24.4





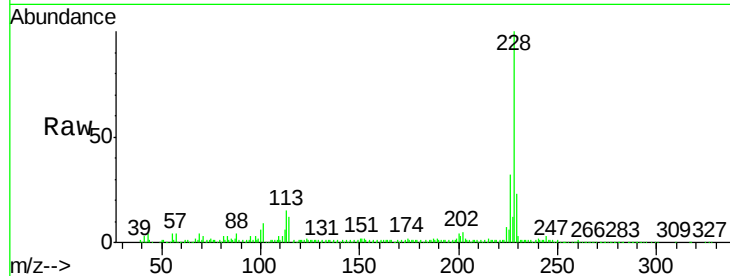
#82
Chrysene
Concen: 9.61 ng
RT: 13.80 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF092146.D
Acq: 9 Jan 2017 19:15

Instrument :
BNA_F
ClientSampleId :
TP5-6-COMP11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.4	38.0
229	23.0	16.2	24.2

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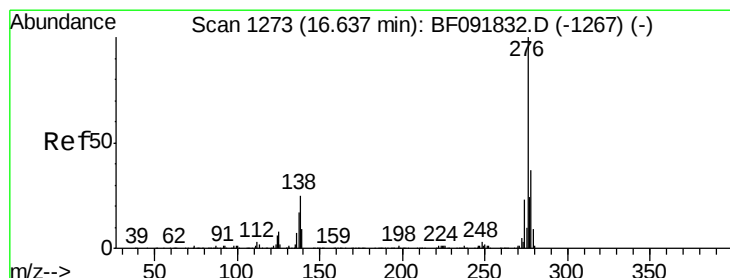
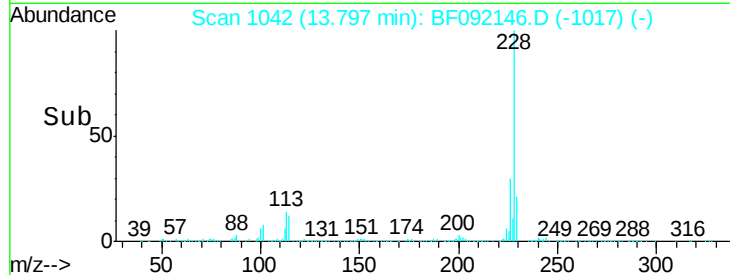
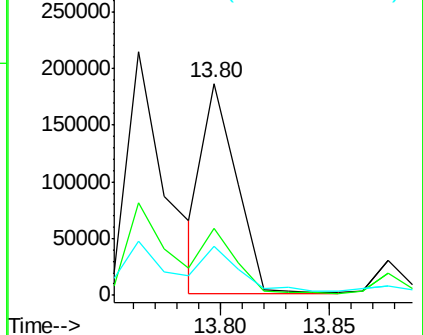


Abundance

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



#85
Indeno(1,2,3-cd)pyrene
Concen: 9.17 ng
RT: 16.41 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF092146.D
Acq: 9 Jan 2017 19:15

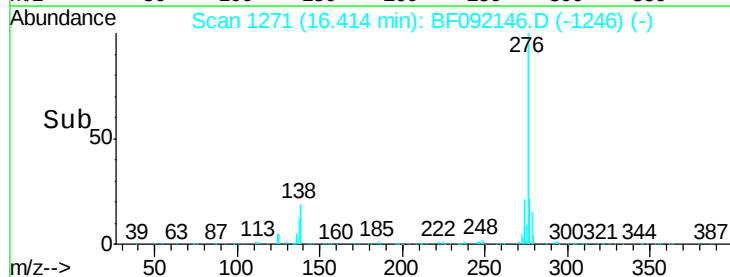
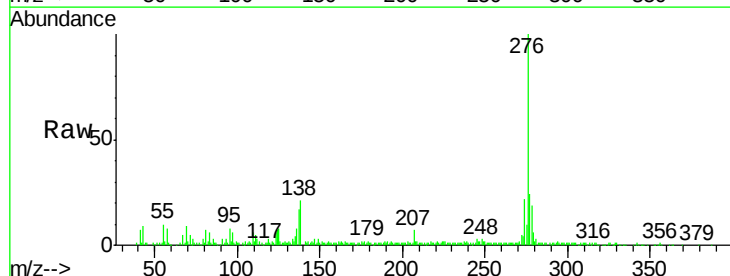
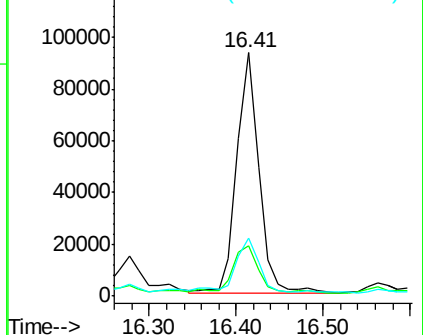
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.1	21.8	32.6
277	24.8	20.2	30.4

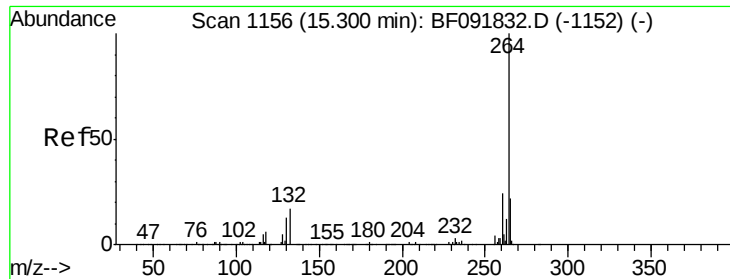
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





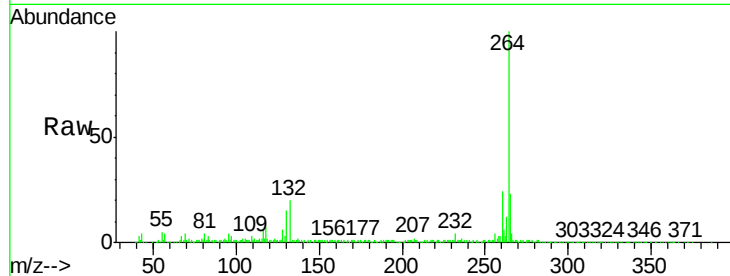
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.15 min Scan# 1160
 Delta R.T. 0.00 min
 Lab File: BF092146.D
 Acq: 9 Jan 2017 19:15

Instrument :
 BNA_F
 ClientSampleId :
 TP5-6-COMP11

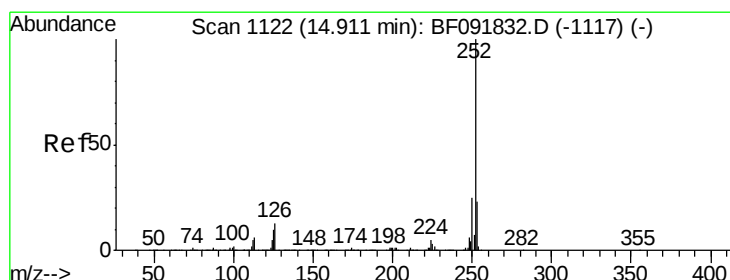
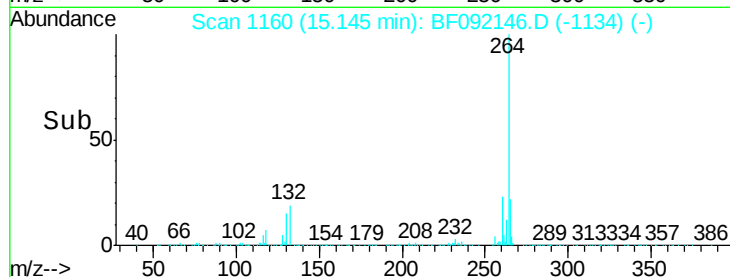
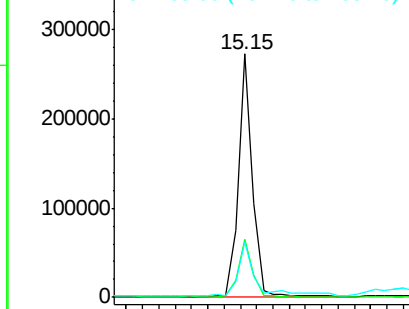
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.7	17.4	26.0

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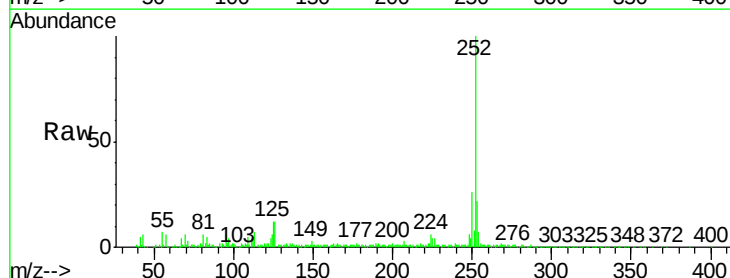


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

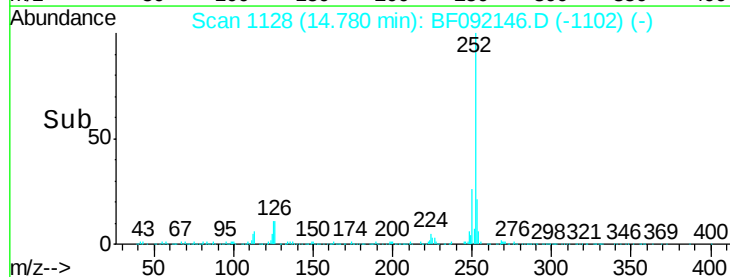
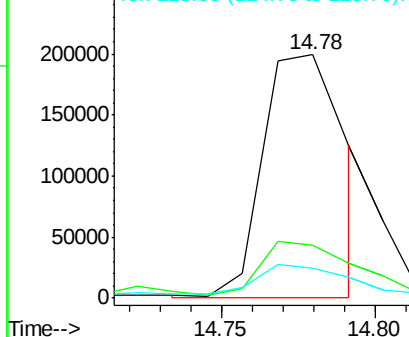


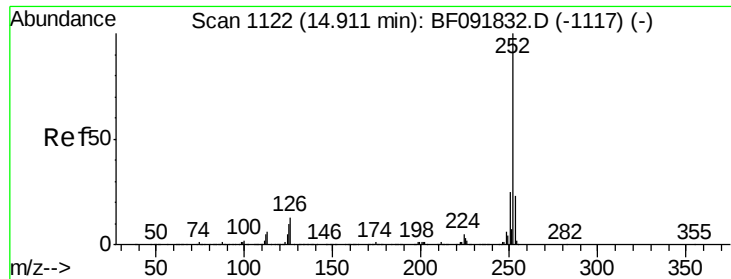
#87
 Benzo(b)fluoranthene
 Concen: 18.40 ng m
 RT: 14.78 min Scan# 1128
 Delta R.T. 0.00 min
 Lab File: BF092146.D
 Acq: 9 Jan 2017 19:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.4
125	12.2	9.8	14.6



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





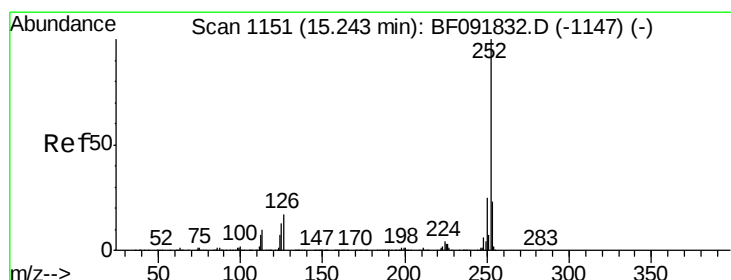
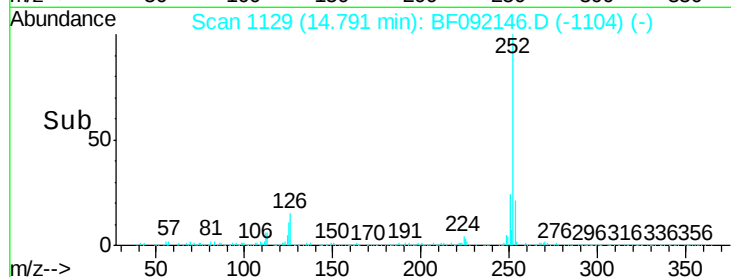
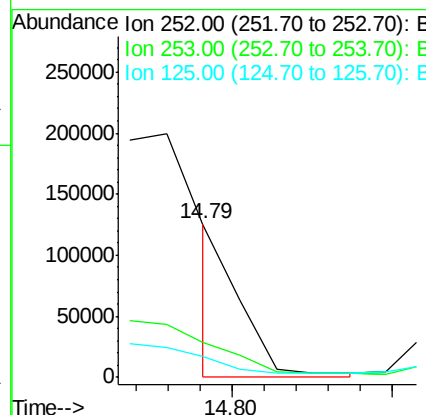
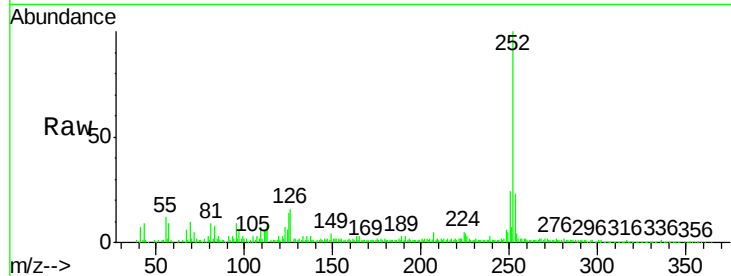
#88
Benzo(k)fluoranthene
Concen: 3.08 ng m
RT: 14.79 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF092146.D
Acq: 9 Jan 2017 19:15

Instrument :
BNA_F
ClientSampleId :
TP5-6-COMP11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.5	27.7
125	13.9	8.9	13.3

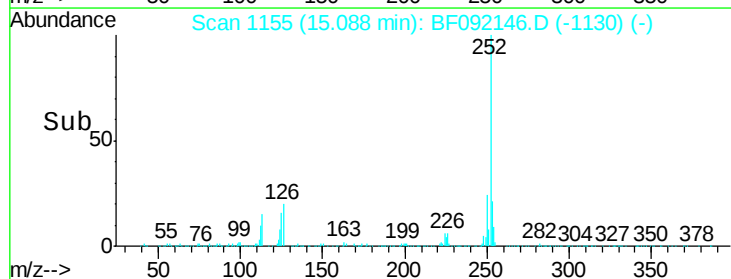
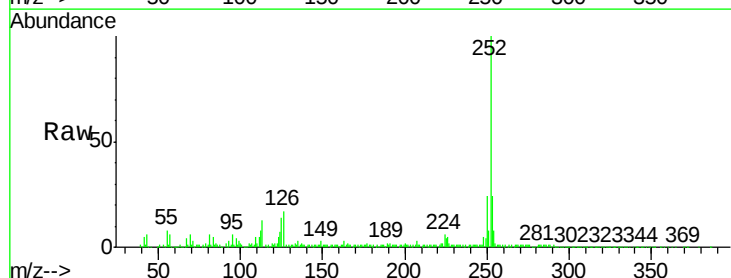
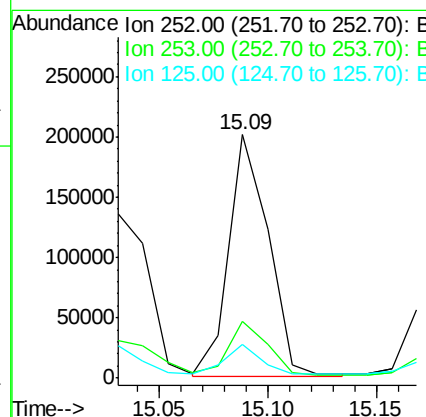
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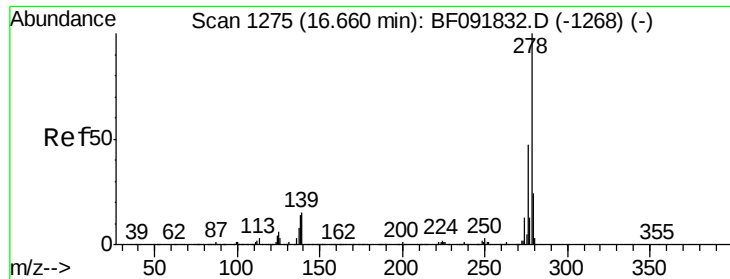
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#89
Benzo(a)pyrene
Concen: 14.12 ng
RT: 15.09 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF092146.D
Acq: 9 Jan 2017 19:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	14.0	10.0	15.0





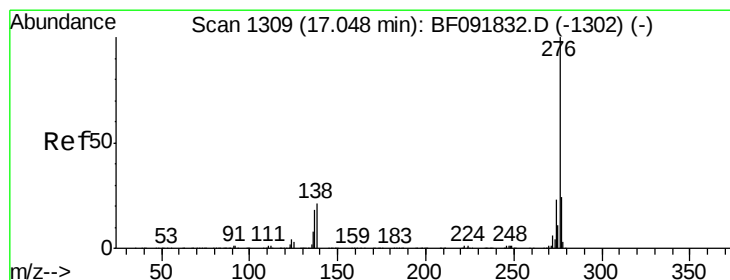
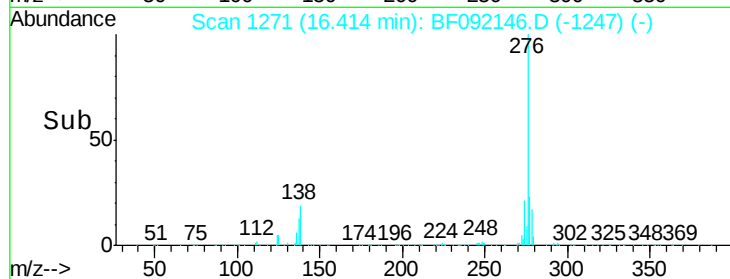
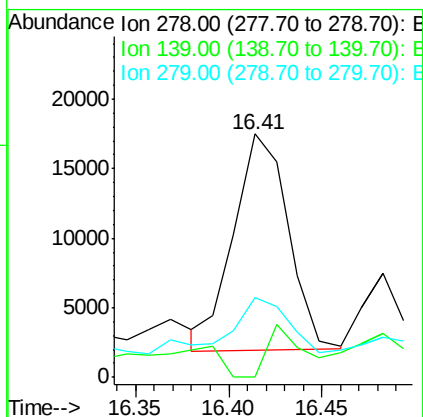
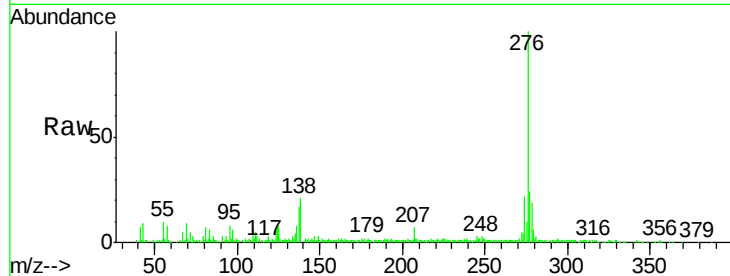
#90
Dibenzo(a,h)anthracene
Concen: 2.14 ng m
RT: 16.41 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF092146.D
Acq: 9 Jan 2017 19:15

Instrument :
BNA_F
ClientSampleId :
TP5-6-COMP11

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.8	22.2#
279	32.6	19.8	29.6#

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#91
Benzo(g,h,i)perylene
Concen: 12.74 ng
RT: 16.79 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF092146.D
Acq: 9 Jan 2017 19:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.2	28.8
138	23.8	16.0	24.0

