

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050617\
 Data File : BF094972.D
 Acq On : 8 May 2017 6:46
 Operator : SJ/MA
 Sample : I2969-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP4-5COMP

Manual Integrations
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Quant Time: May 08 12:22:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:24:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	98419	20.00	ng	-0.01
21) Naphthalene-d8	9.74	136	414616	20.00	ng	-0.01
38) Acenaphthene-d10	12.57	164	187261	20.00	ng	-0.02
63) Phenanthrene-d10	14.97	188	288405	20.00	ng	-0.01
75) Chrysene-d12	18.64	240	232441	20.00	ng	-0.02
86) Perylene-d12	20.30	264	195667	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	667691	113.11	ng	-0.02
7) Phenol-d6	7.26	99	822483	116.12	ng	-0.02
23) Nitrobenzene-d5	8.62	82	482533	73.39	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	174777	113.96	ng	-0.02
44) 2-Fluorobiphenyl	11.51	172	927030	71.25	ng	-0.02
78) Terphenyl-d14	17.29	244	645549	61.17	ng	-0.02
Target Compounds						Qvalue
10) Phenol	7.28	94	16428	2.20	ng	85
49) Dimethylphthalate	12.21	163	169952	11.06	ng	99
70) Phenanthrene	15.01	178	109638	6.62	ng	98
74) Fluoranthene	16.75	202	194043	11.42	ng	98
77) Pyrene	17.05	202	170746	9.82	ng	95
80) Benzo(a)anthracene	18.62	228	77068	5.70	ng	98
82) Chrysene	18.67	228	69056	5.28	ng	97
85) Indeno(1,2,3-cd)pyrene	21.61	276	29588	2.79	ng	93
87) Benzo(b)fluoranthene	19.90	252	83729m	6.93	ng	
88) Benzo(k)fluoranthene	19.92	252	31977m	2.74	ng	
89) Benzo(a)pyrene	20.25	252	57065	5.11	ng	94
91) Benzo(a,h,i)perylene	21.99	276	26794	2.96	ng	95

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

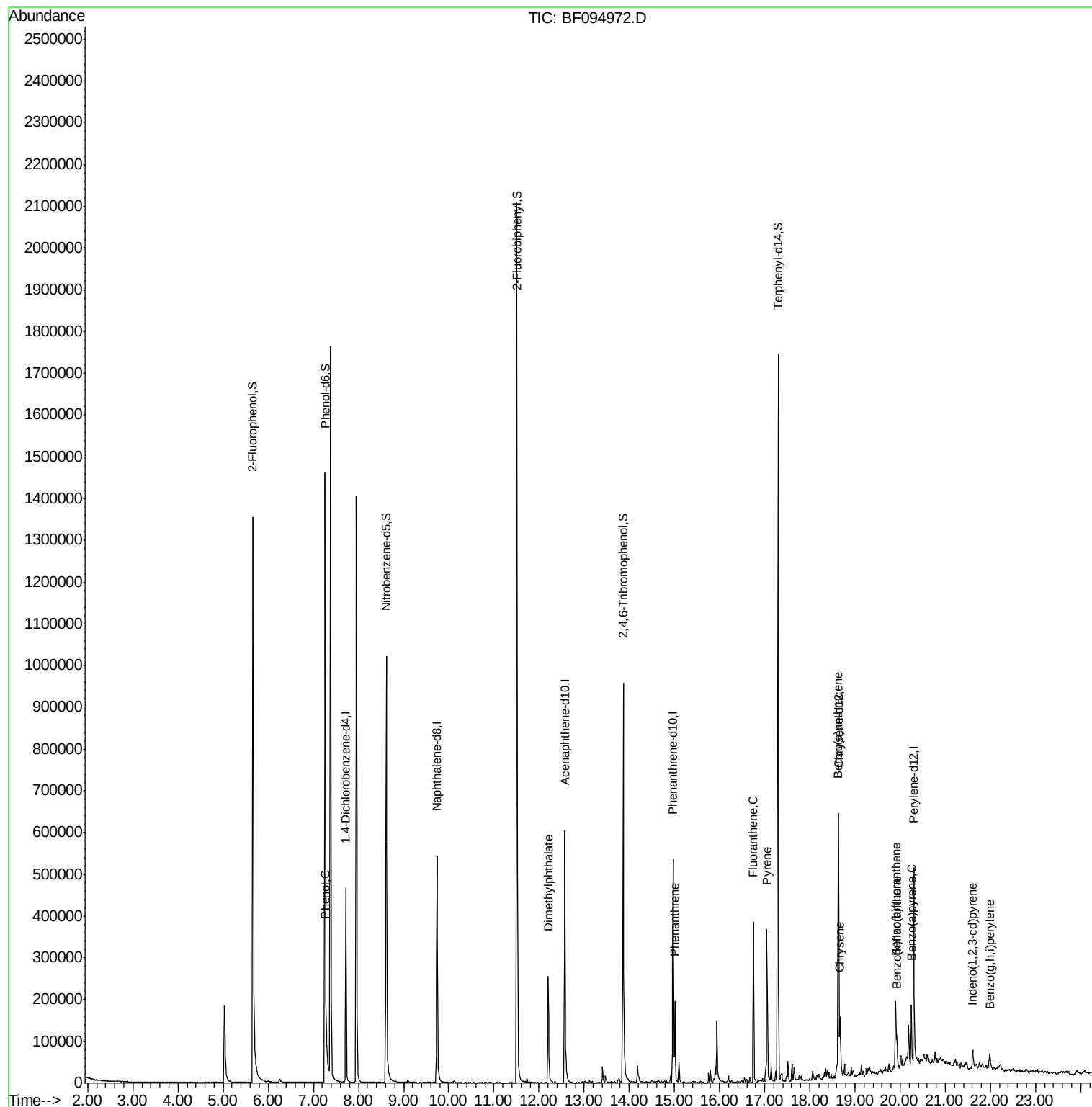
Data Path : Z:\HPCHEM1\BNA F\DATA\BF050617\
Data File : BF094972.D
Acq On : 8 May 2017 6:46
Operator : SJ/MA
Sample : I2969-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

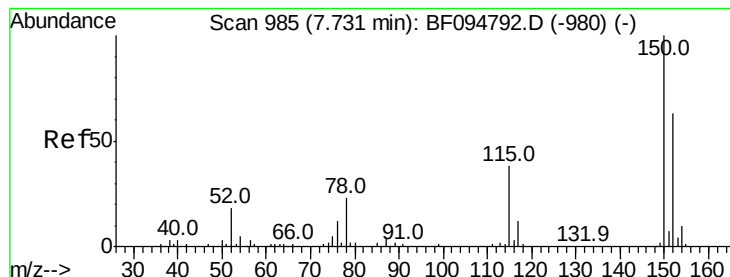
Instrument :
BNA_F
ClientSampleId :
TP4-5COMP

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QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.72 min Scan# 983

Delta R.T. -0.01 min

Lab File: BF094972.D

Acq: 8 May 2017 6:46

Instrument :

BNA_F

ClientSampleId :

TP4-5COMP

Tot Ion:152 Resp: 98419

Ion Ratio Lower Upper

152 100

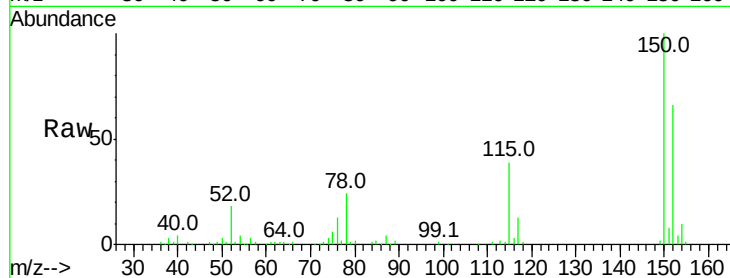
150 151.2 126.2 189.2

115 59.5 52.2 78.2

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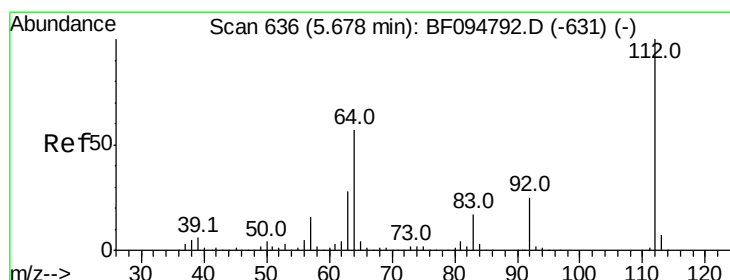
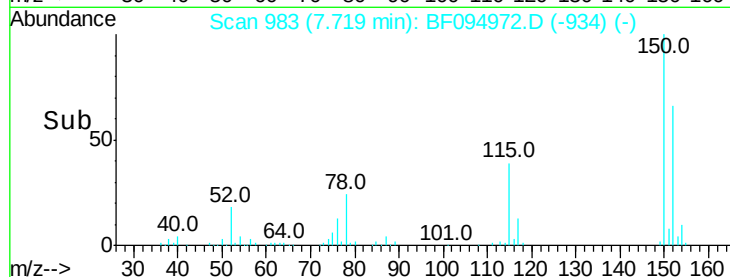
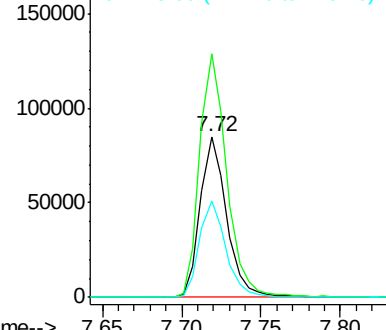
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 113.11 ng

RT: 5.66 min Scan# 633

Delta R.T. -0.02 min

Lab File: BF094972.D

Acq: 8 May 2017 6:46

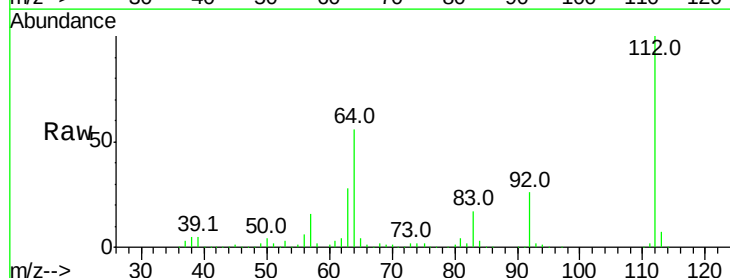
Tgt Ion:112 Resp: 667691

Ion Ratio Lower Upper

112 100

64 56.1 46.0 69.0

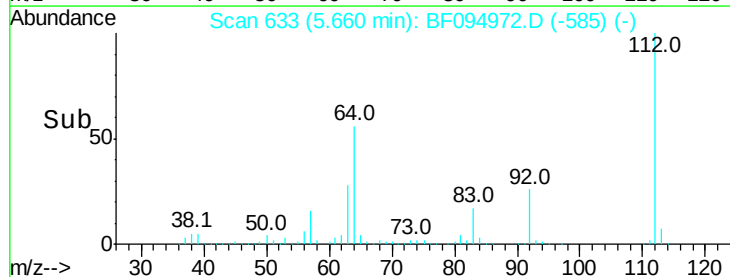
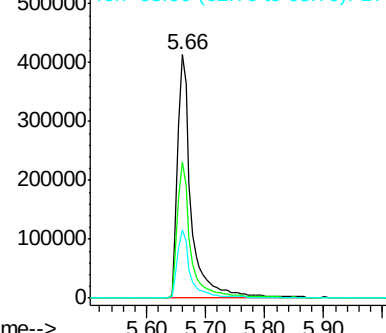
63 27.9 23.4 35.0

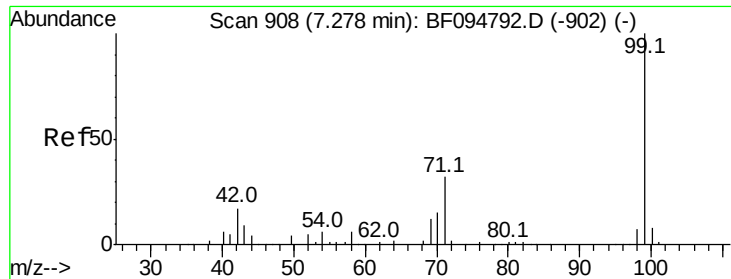


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 116.12 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF094972.D

Acq: 8 May 2017 6:46

Instrument :

BNA_F

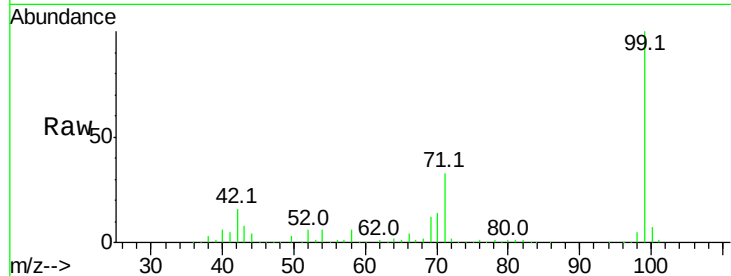
ClientSampled :

TP4-5COMP

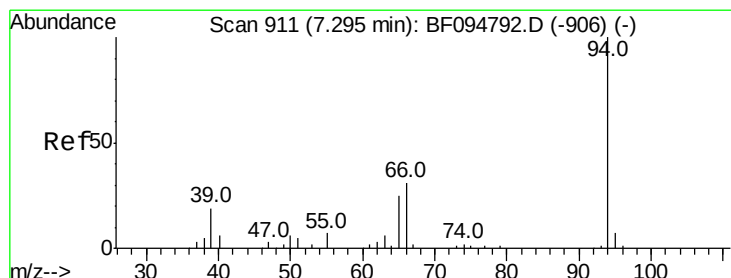
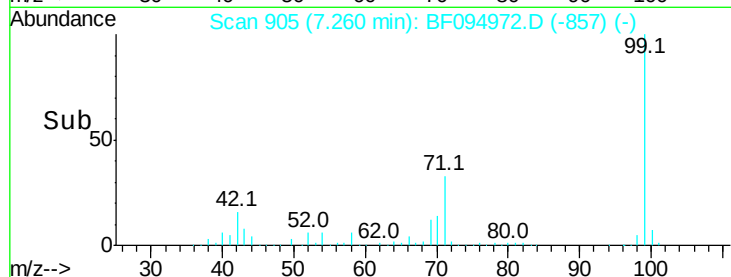
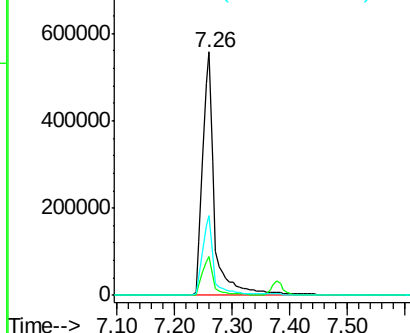
Tot Ion:	99	Resp:	822483
Ion Ratio	Lower	Upper	
99	100		
42	16.2	13.5	20.3
71	32.9	24.5	36.7

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.20 ng

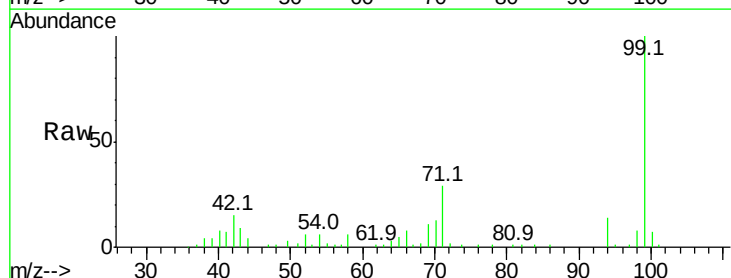
RT: 7.28 min Scan# 908

Delta R.T. -0.02 min

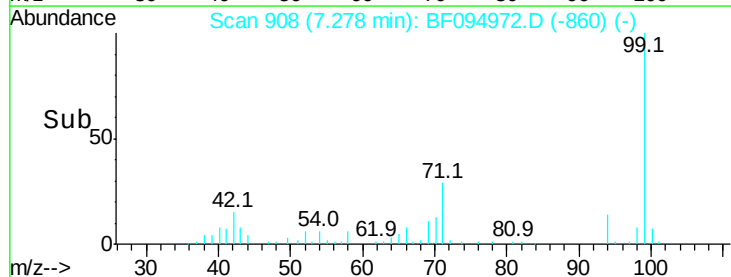
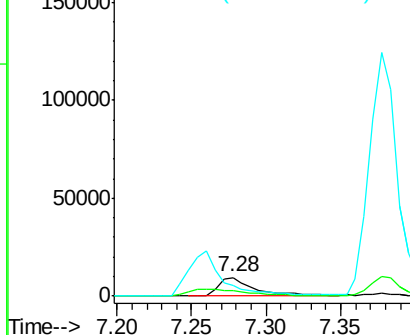
Lab File: BF094972.D

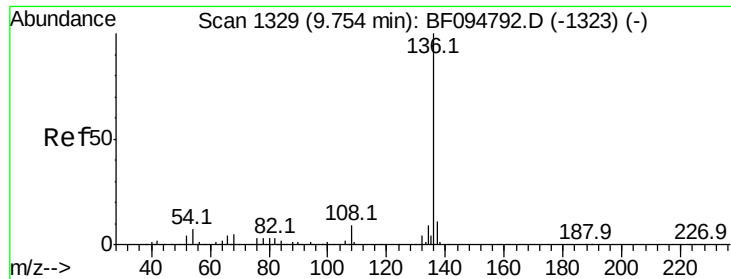
Acq: 8 May 2017 6:46

Tgt Ion:	94	Resp:	16428
Ion Ratio	Lower	Upper	
94	100		
65	31.9	9.9	49.9
66	58.2	23.1	63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





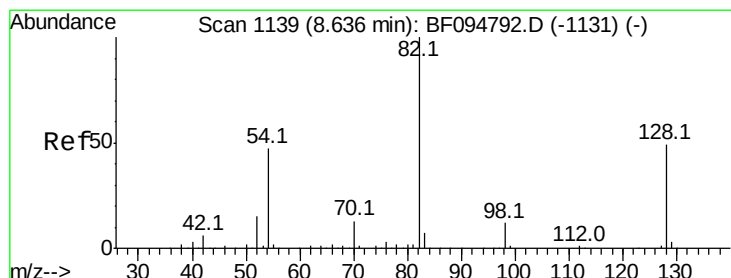
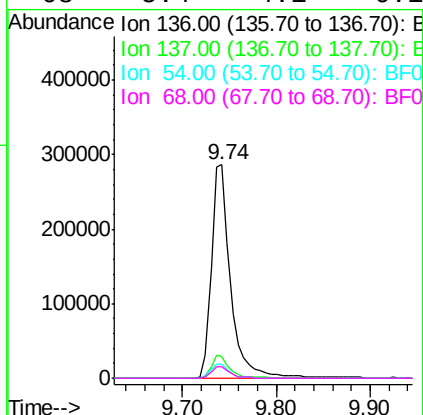
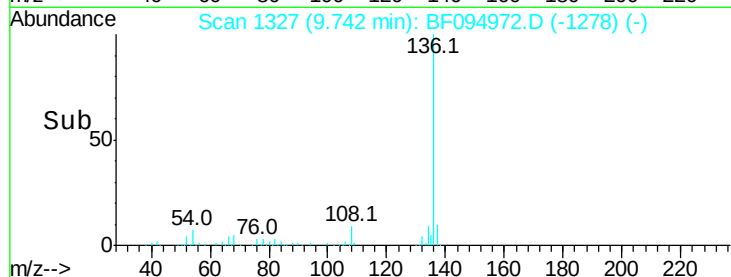
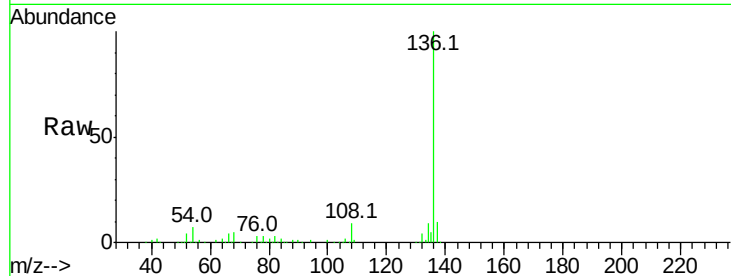
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.74 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF094972.D
Acq: 8 May 2017 6:46

Instrument :
BNA_F
ClientSampleId :
TP4-5COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.4	8.5	12.7	
54	6.6	4.9	7.3	
68	5.4	4.1	6.1	

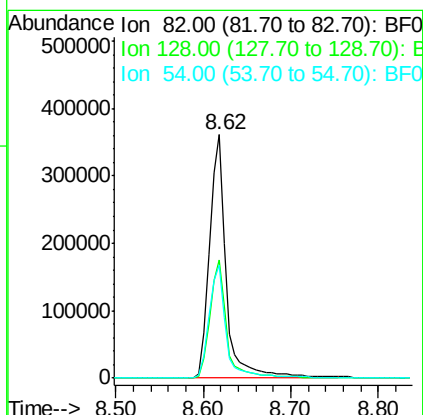
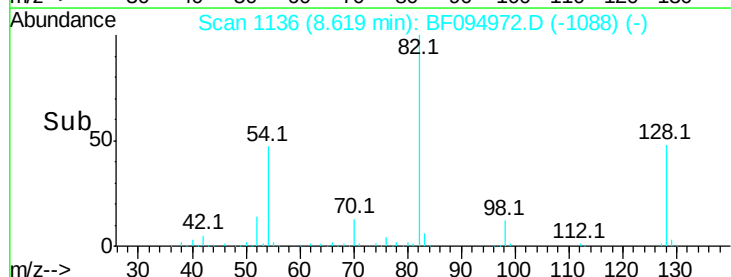
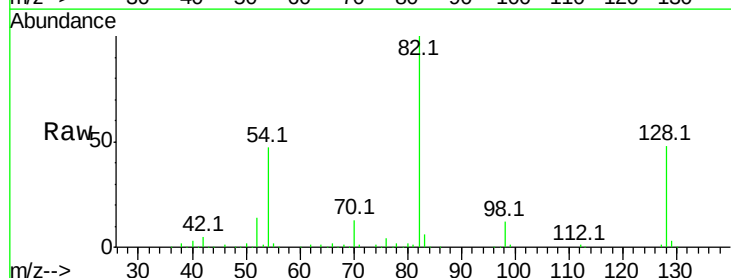
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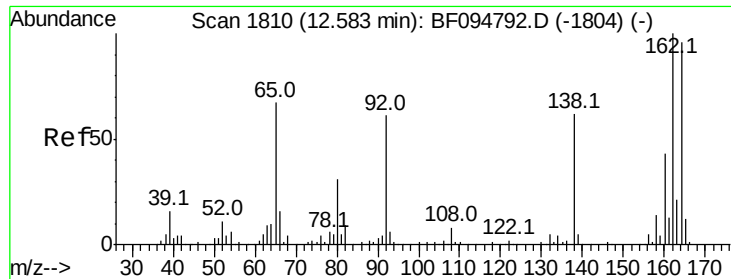
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#23
Nitrobenzene-d5
Concen: 73.39 ng
RT: 8.62 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF094972.D
Acq: 8 May 2017 6:46

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.3	34.0	51.0	
54	46.6	42.2	63.2	





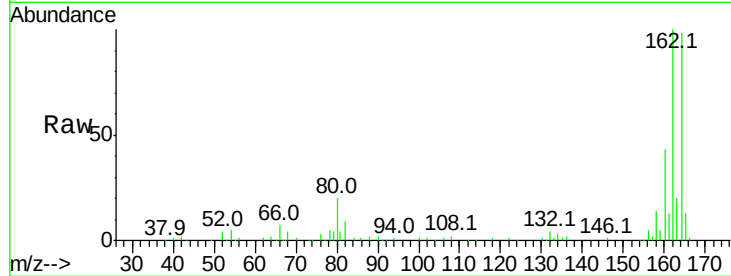
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.57 min Scan# 1807
Delta R.T. -0.02 min
Lab File: BF094972.D
Acq: 8 May 2017 6:46

Instrument :
BNA_F
ClientSampleId :
TP4-5COMP

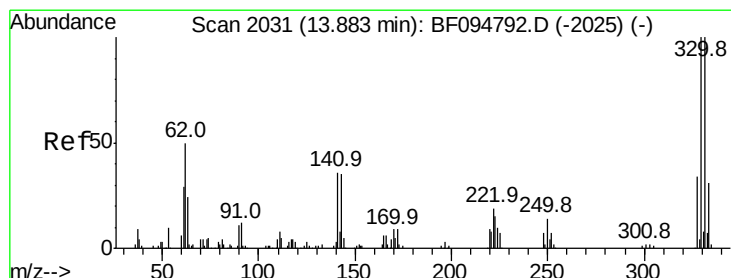
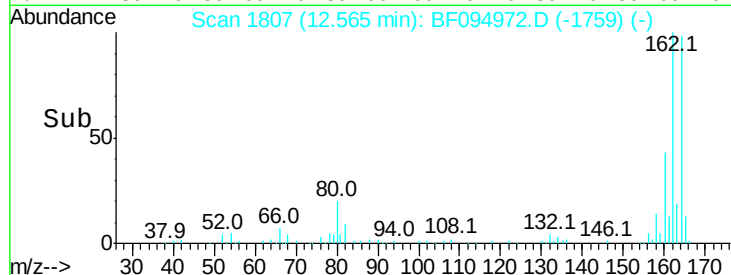
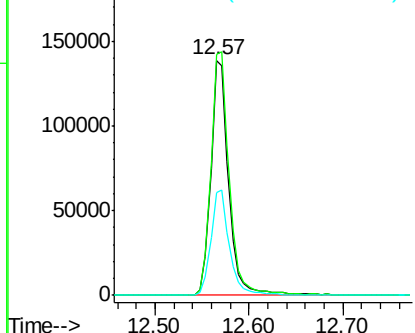
Tot Ion	Ratio	Resp	Lower	Upper
164	100	187261		
162	102.5	82.6	123.8	
160	43.6	36.2	54.2	

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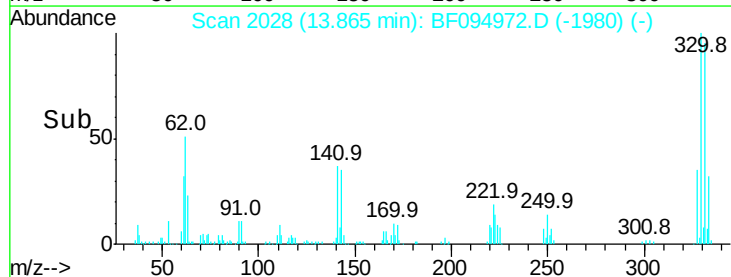
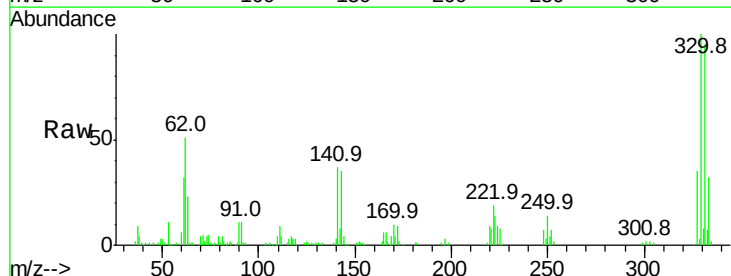
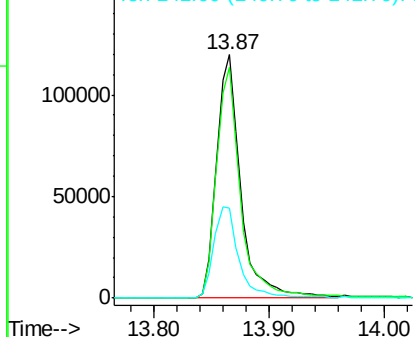
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

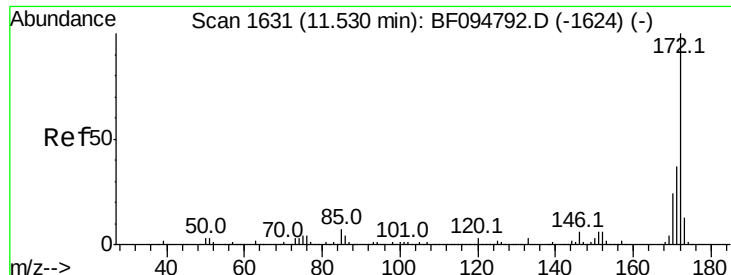


#41
2,4,6-Tribromophenol
Concen: 113.96 ng
RT: 13.87 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF094972.D
Acq: 8 May 2017 6:46

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	174777		
332	94.8	76.6	115.0	
141	39.7	31.4	47.2	

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





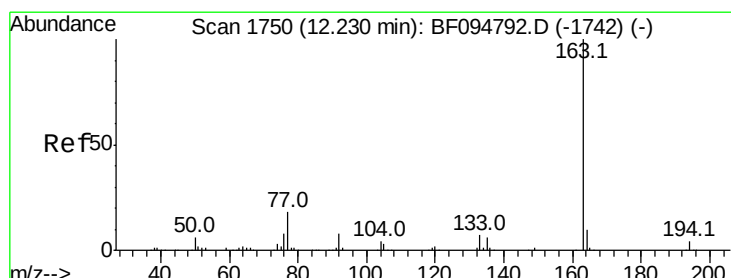
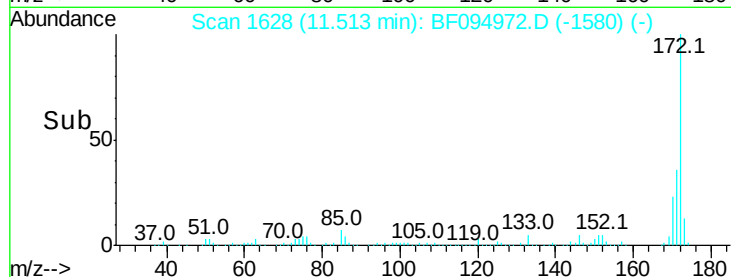
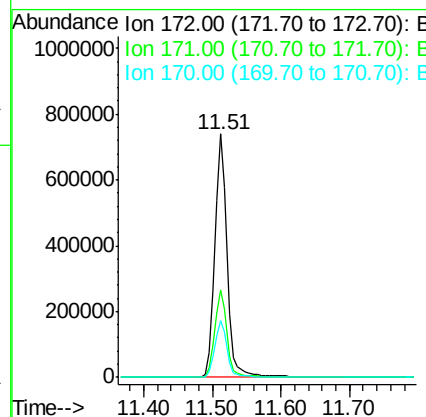
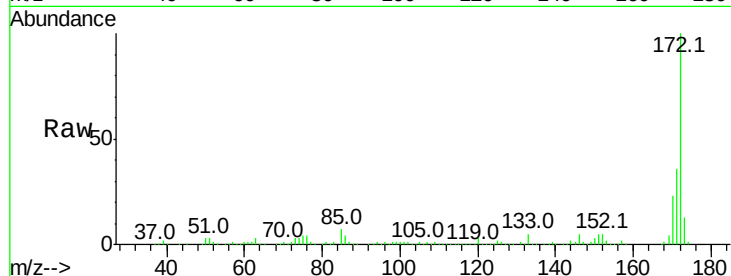
#44
2-Fluorobiphenyl
Concen: 71.25 ng
RT: 11.51 min Scan# 1628
Delta R.T. -0.02 min
Lab File: BF094972.D
Acq: 8 May 2017 6:46

Instrument :
BNA_F
ClientSampleId :
TP4-5COMP

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	29.6	44.4	
170	23.4	19.8	29.8	

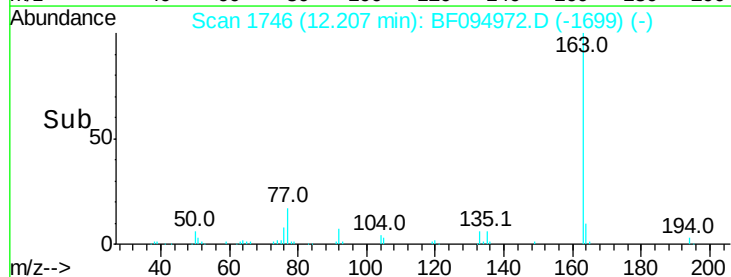
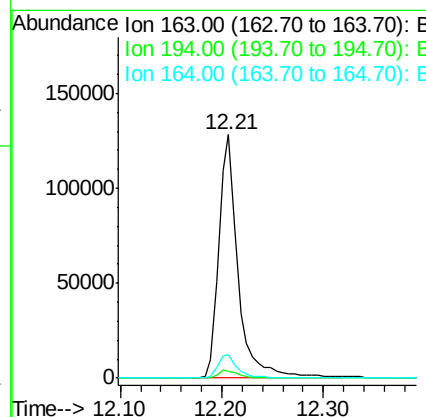
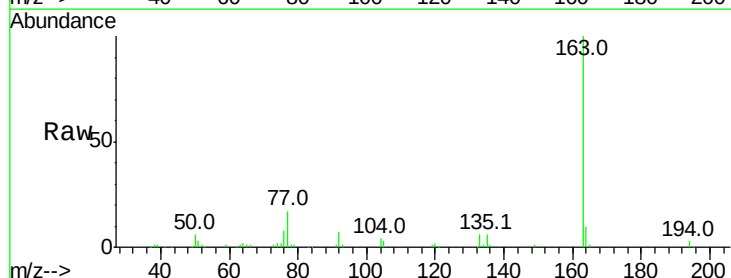
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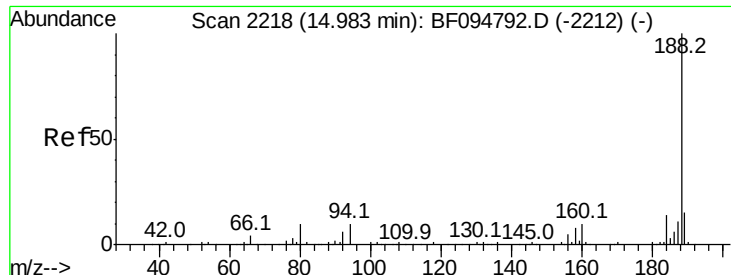
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#49
Dimethylphthalate
Concen: 11.06 ng
RT: 12.21 min Scan# 1746
Delta R.T. -0.02 min
Lab File: BF094972.D
Acq: 8 May 2017 6:46

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.0	2.6	4.0	
164	9.9	8.4	12.6	





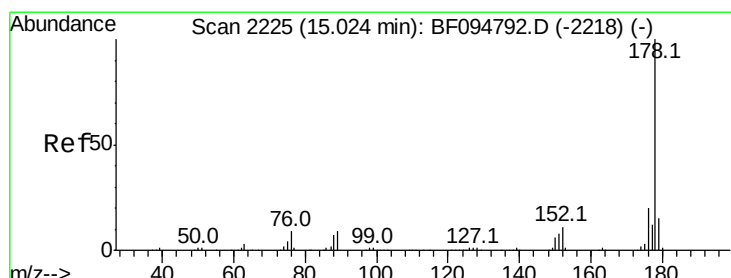
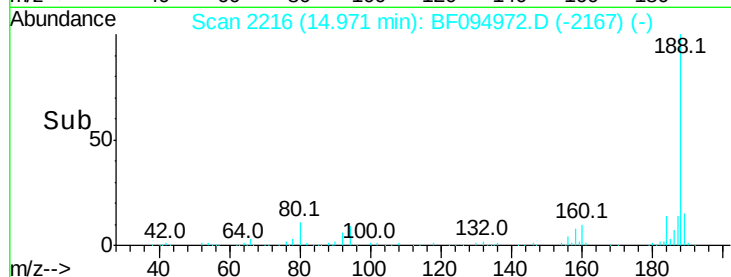
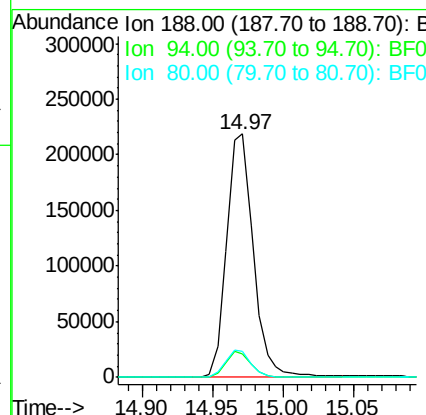
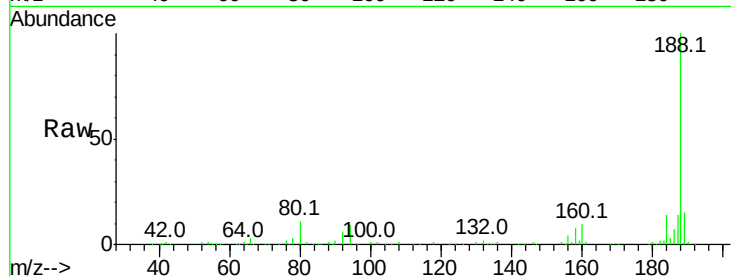
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.97 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF094972.D
Acq: 8 May 2017 6:46

Instrument :
BNA_F
ClientSampleId :
TP4-5COMP

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.4	9.4	14.2#
80	10.8	10.2	15.2

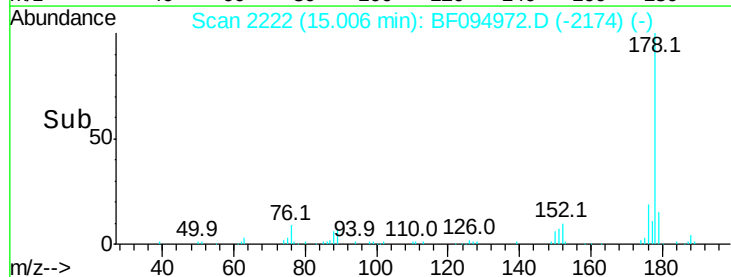
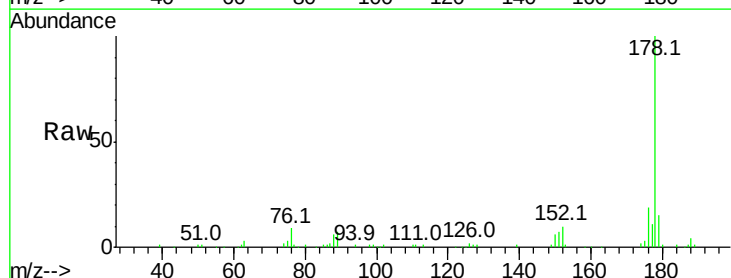
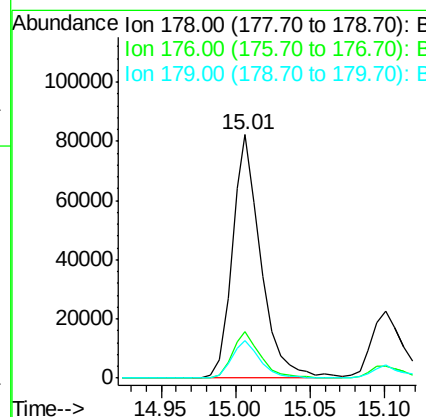
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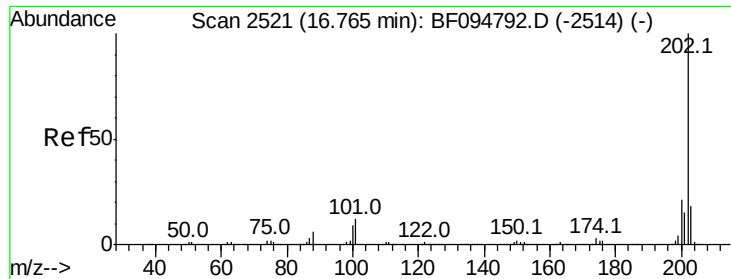
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#70
Phenanthrene
Concen: 6.62 ng
RT: 15.01 min Scan# 2222
Delta R.T. -0.02 min
Lab File: BF094972.D
Acq: 8 May 2017 6:46

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.8	16.2	24.4
179	15.3	12.6	19.0





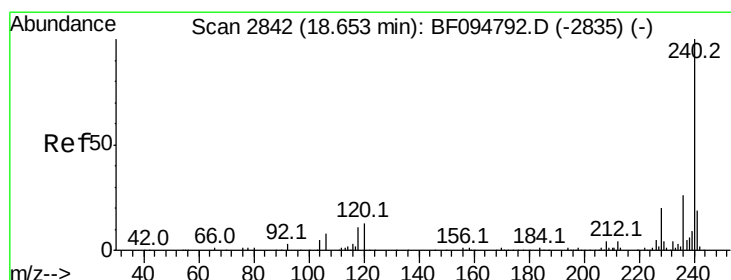
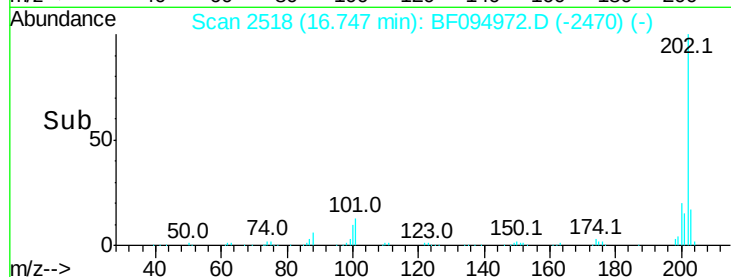
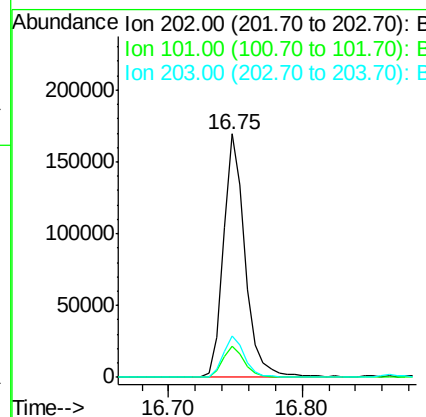
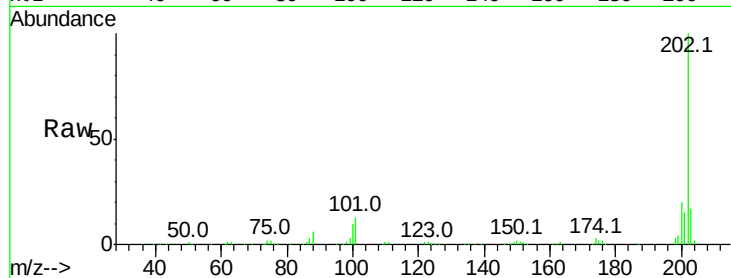
#74
 Fluoranthene
 Concen: 11.42 ng
 RT: 16.75 min Scan# 2518
 Delta R.T. -0.02 min
 Lab File: BF094972.D
 Acq: 8 May 2017 6:46

Instrument :
 BNA_F
 ClientSampleId :
 TP4-5COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.0	0.0	33.2
203	16.9	0.0	38.1

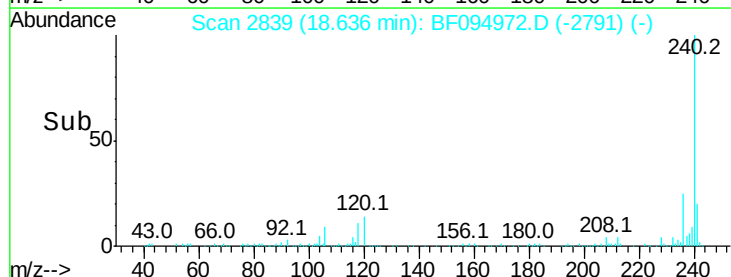
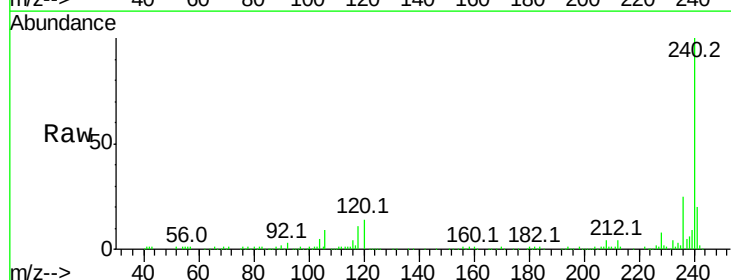
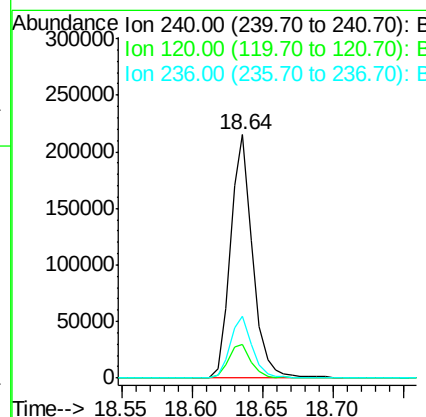
Manual Integrations
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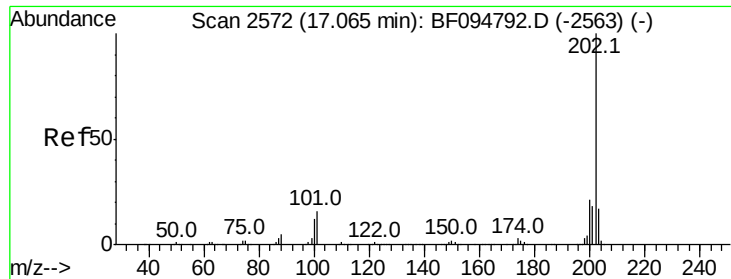
mohammad
 5/8/2017 5:51:36 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 18.64 min Scan# 2839
 Delta R.T. -0.02 min
 Lab File: BF094972.D
 Acq: 8 May 2017 6:46

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.0	5.8	8.8#
236	25.3	20.5	30.7





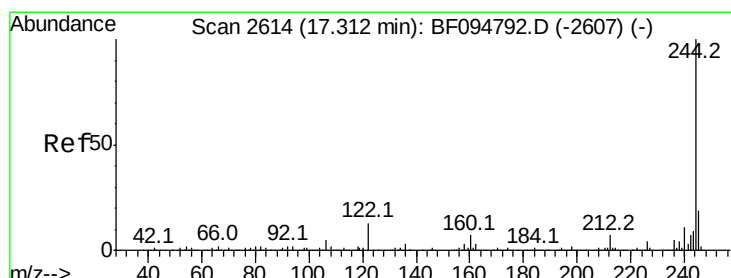
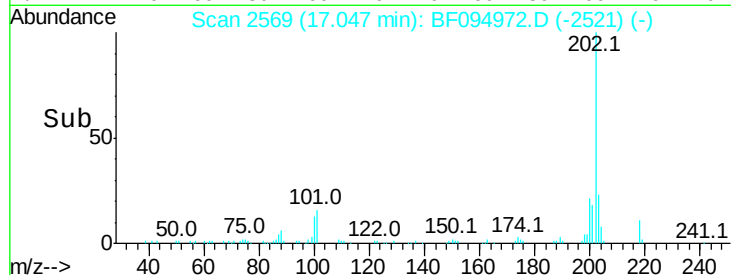
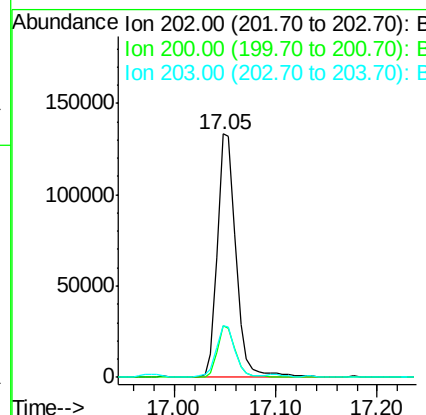
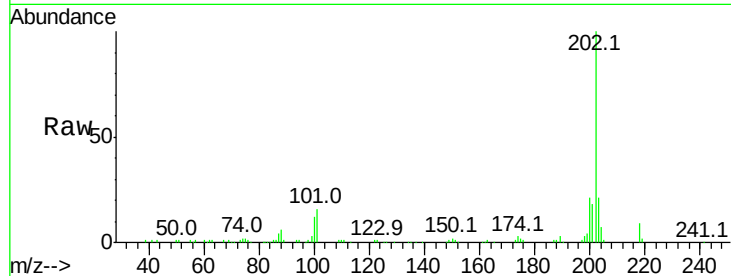
#77
Pvrene
Concen: 9.82 ng
RT: 17.05 min Scan# 2569
Delta R.T. -0.02 min
Lab File: BF094972.D
Acq: 8 May 2017 6:46

Instrument :
BNA_F
ClientSampleId :
TP4-5COMP

Tot Ion	Ratio	Resp	Lower	Upper
202	100	170746		
200	21.0		17.6	26.4
203	21.4		14.4	21.6

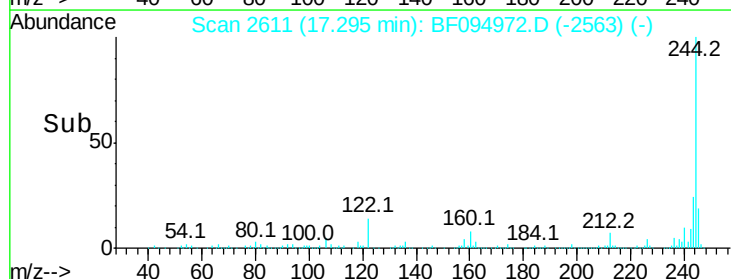
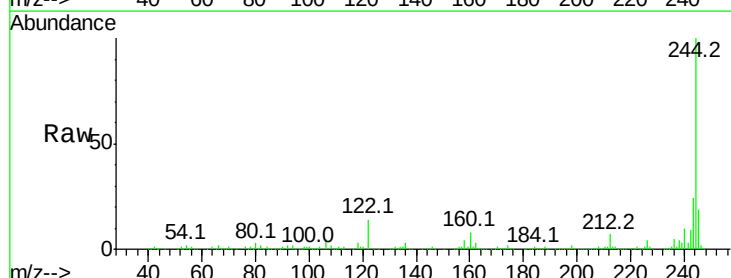
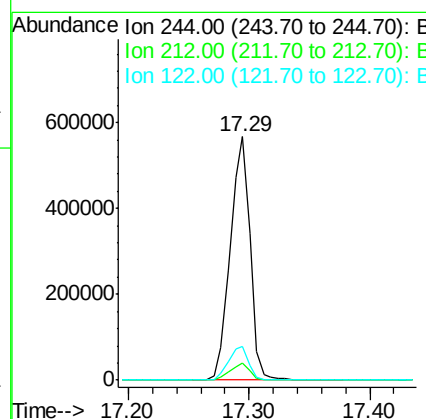
Manual Integrations
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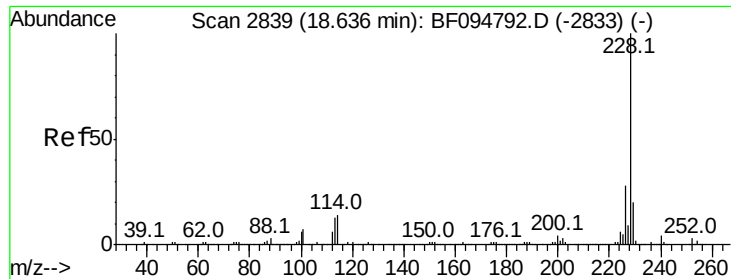
mohammad
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#78
Terphenyl-d14
Concen: 61.17 ng
RT: 17.29 min Scan# 2611
Delta R.T. -0.02 min
Lab File: BF094972.D
Acq: 8 May 2017 6:46

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	645549		
212	7.0		6.0	9.0
122	13.7		10.3	15.5





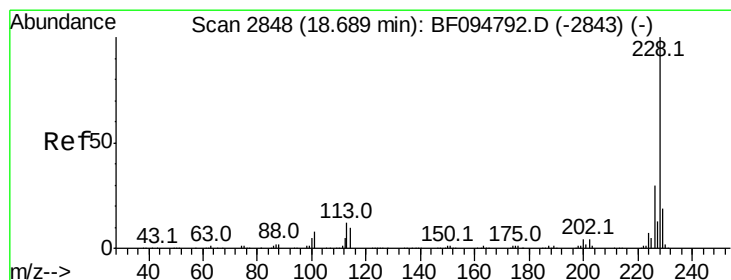
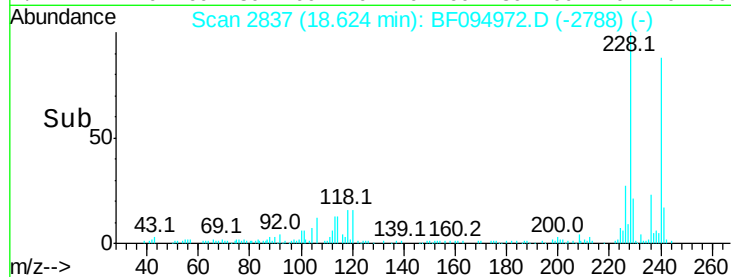
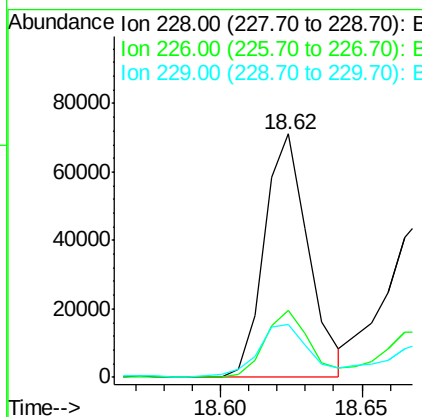
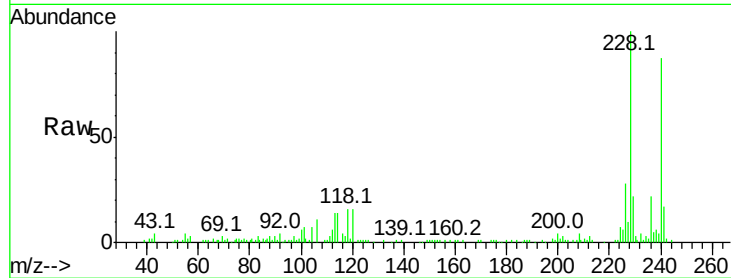
#80
Benzo(a)anthracene
Concen: 5.70 ng
RT: 18.62 min Scan# 2837
Delta R.T. -0.01 min
Lab File: BF094972.D
Acq: 8 May 2017 6:46

Instrument :
BNA_F
ClientSampleId :
TP4-5COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	21.8	16.3	24.5

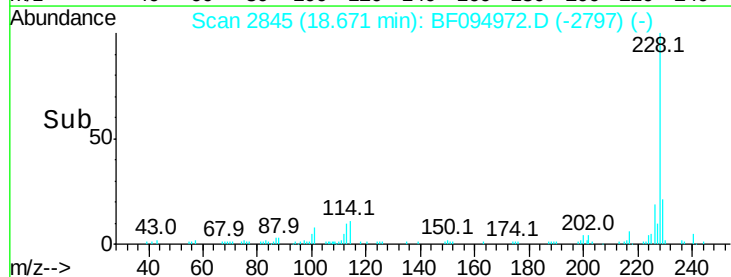
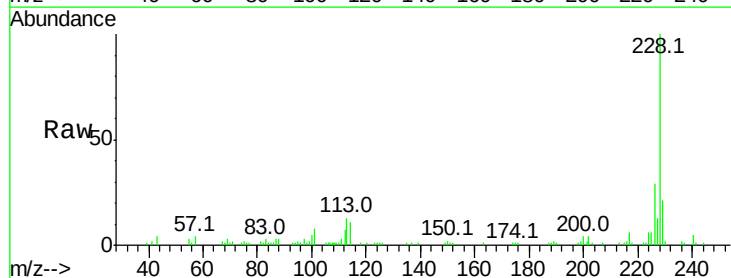
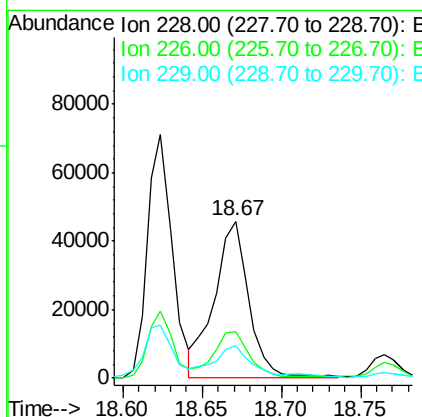
Manual Integrations
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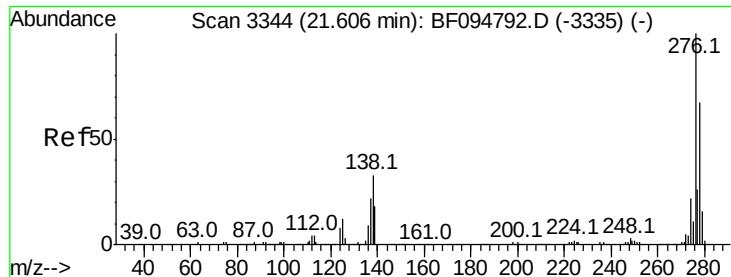
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#82
Chrysene
Concen: 5.28 ng
RT: 18.67 min Scan# 2845
Delta R.T. -0.02 min
Lab File: BF094972.D
Acq: 8 May 2017 6:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.9	37.3
229	21.1	15.8	23.6





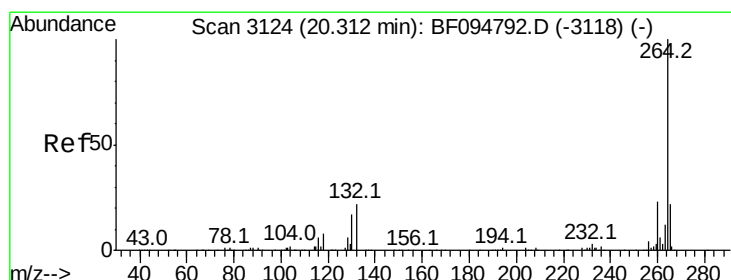
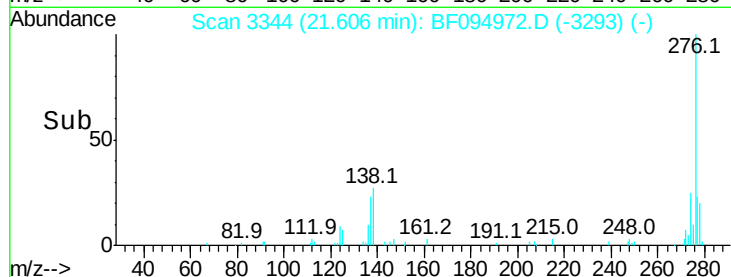
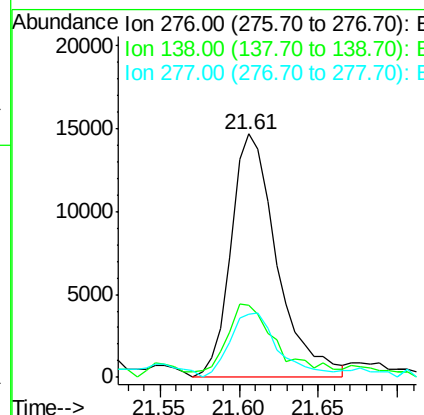
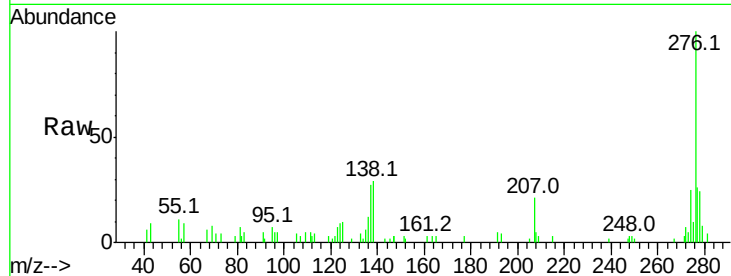
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.79 ng
 RT: 21.61 min Scan# 3344
 Delta R.T. -0.00 min
 Lab File: BF094972.D
 Acq: 8 May 2017 6:46

Instrument :
 BNA_F
 ClientSampleId :
 TP4-5COMP

Tot Ion:276	Resp:	29588
Ion Ratio	Lower	Upper
276 100		
138 29.8	27.8	41.6
277 28.0	20.2	30.4

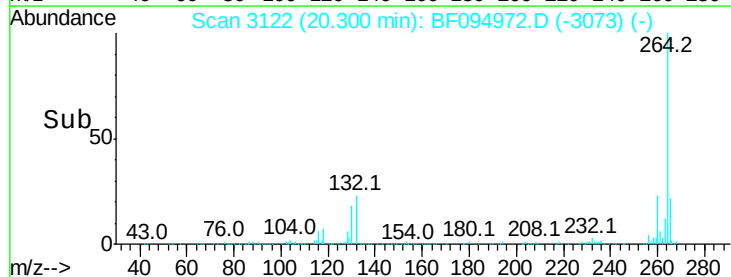
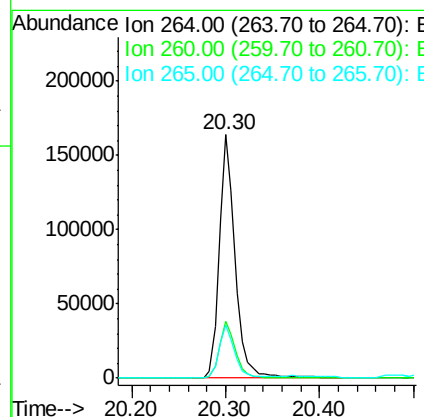
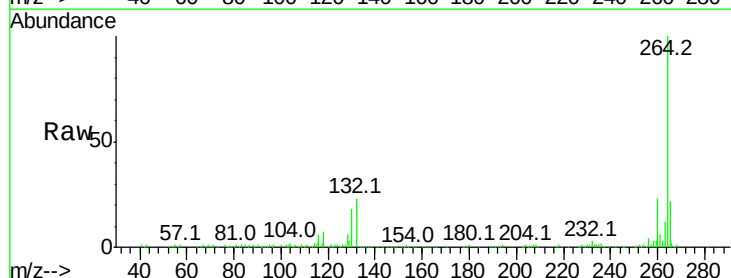
Manual Integrations
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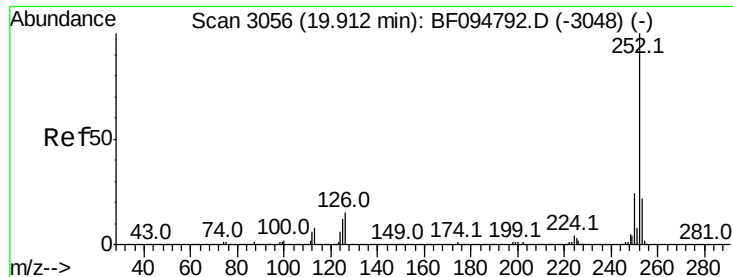
mohammad
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.30 min Scan# 3122
 Delta R.T. -0.01 min
 Lab File: BF094972.D
 Acq: 8 May 2017 6:46

Tgt Ion:264	Resp:	195667
Ion Ratio	Lower	Upper
264 100		
260 23.3	19.5	29.3
265 21.9	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 6.93 ng m

RT: 19.90 min Scan# 3054

Delta R.T. -0.01 min

Lab File: BF094972.D

Acq: 8 May 2017 6:46

Instrument :

BNA_F

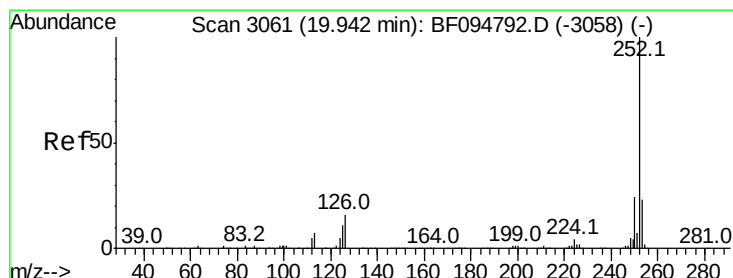
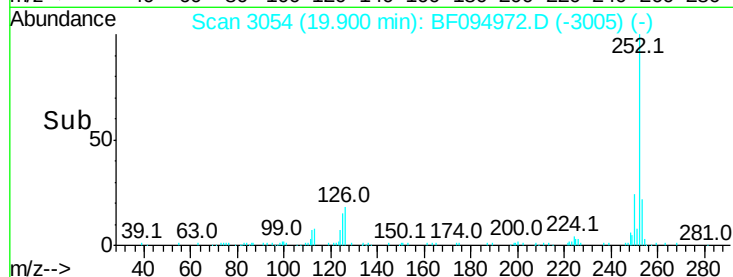
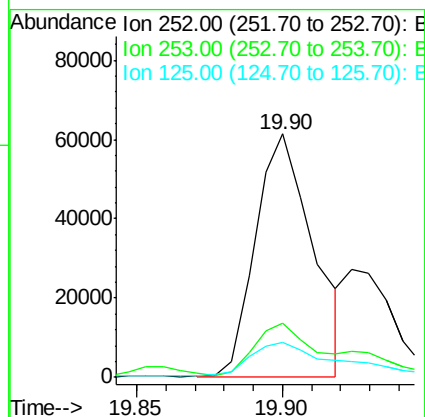
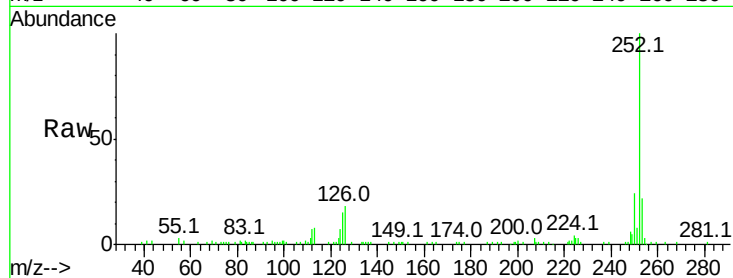
ClientSampleId :

TP4-5COMP

Tot Ion:	252	Resp:	83729
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.1	27.1
125	14.5	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 2.74 ng m

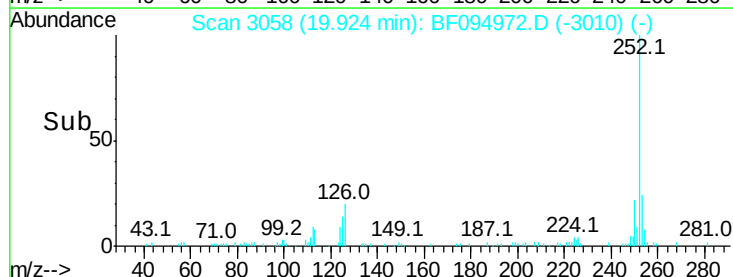
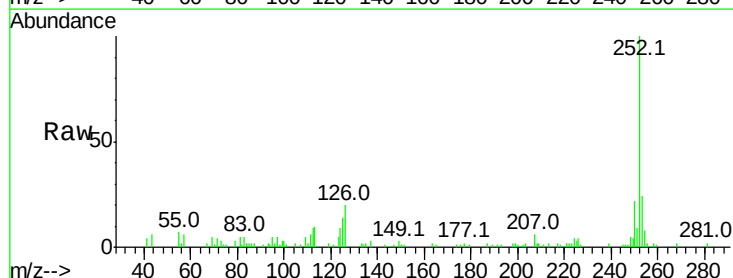
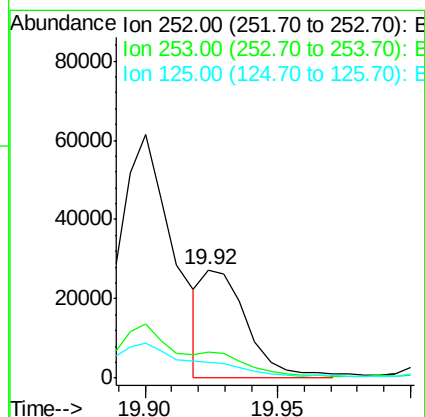
RT: 19.92 min Scan# 3058

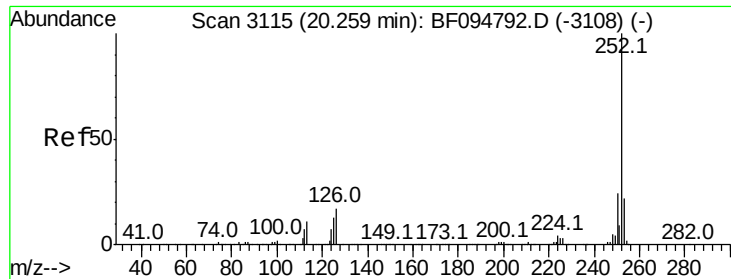
Delta R.T. -0.02 min

Lab File: BF094972.D

Acq: 8 May 2017 6:46

Tgt Ion:	252	Resp:	31977
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.4	27.6
125	14.4	13.1	19.7





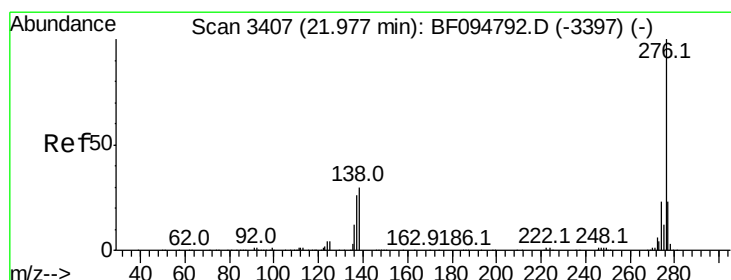
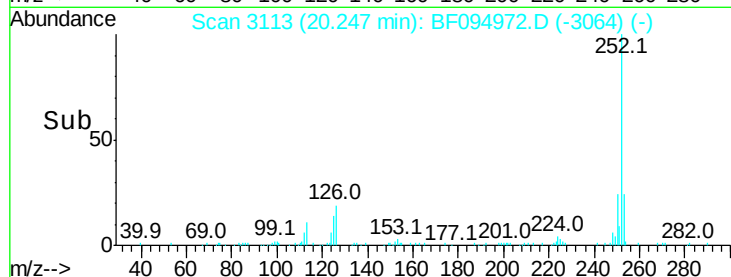
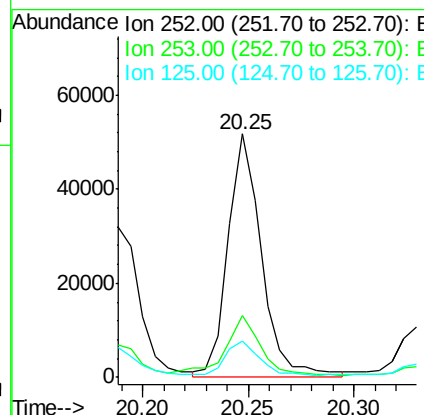
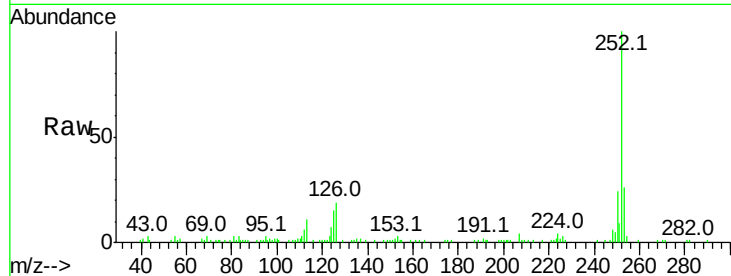
#89
Benzo(a)pyrene
Concen: 5.11 ng
RT: 20.25 min Scan# 3113
Delta R.T. -0.01 min
Lab File: BF094972.D
Acq: 8 May 2017 6:46

Instrument :
BNA_F
ClientSampleId :
TP4-5COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.5	26.3
125	14.6	11.0	16.4

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#91
Benzo(g,h,i)perylene
Concen: 2.96 ng
RT: 21.99 min Scan# 3409
Delta R.T. 0.01 min
Lab File: BF094972.D
Acq: 8 May 2017 6:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.6	28.0
138	29.4	25.4	38.0

