

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050317\
 Data File : BF094858.D
 Acq On : 4 May 2017 4:02
 Operator : SJ/MA
 Sample : I2936-05 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP2-COMP(1-10FT)

Manual Integrations
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Quant Time: May 04 05:39:22 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	103292	20.00	ng	0.00
21) Naphthalene-d8	9.74	136	400035	20.00	ng	-0.01
38) Acenaphthene-d10	12.57	164	178692	20.00	ng	-0.01
63) Phenanthrene-d10	14.97	188	267052	20.00	ng	-0.01
75) Chrysene-d12	18.64	240	206799	20.00	ng	-0.01
86) Perylene-d12	20.31	264	171410	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	502001	81.03	ng	0.00
7) Phenol-d6	7.26	99	614855	82.71	ng	-0.02
23) Nitrobenzene-d5	8.62	82	357391	56.34	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	113915	77.84	ng	-0.02
44) 2-Fluorobiphenyl	11.52	172	739221	59.54	ng	-0.01
78) Terphenyl-d14	17.29	244	470593	50.12	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	12.21	163	44126	3.01	ng	100
70) Phenanthrene	15.01	178	323316	21.07	ng	98
71) Anthracene	15.09	178	130913	8.35	ng	98
74) Fluoranthene	16.75	202	604490	38.41	ng	98
77) Pyrene	17.05	202	533210	34.48	ng	96
80) Benzo(a)anthracene	18.63	228	271588	22.57	ng	98
82) Chrysene	18.67	228	226387	19.45	ng	97
85) Indeno(1,2,3-cd)pyrene	21.59	276	84396	8.93	ng	# 90
87) Benzo(b)fluoranthene	19.90	252	259453m	24.50	ng	
88) Benzo(k)fluoranthene	19.92	252	84216m	8.24	ng	
89) Benzo(a)pyrene	20.25	252	176892	18.10	ng	97
90) Dibenzo(a,h)anthracene	21.60	278	21948m	2.72	ng	
91) Benzo(g,h,i)perylene	21.97	276	78556	9.92	ng	95

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

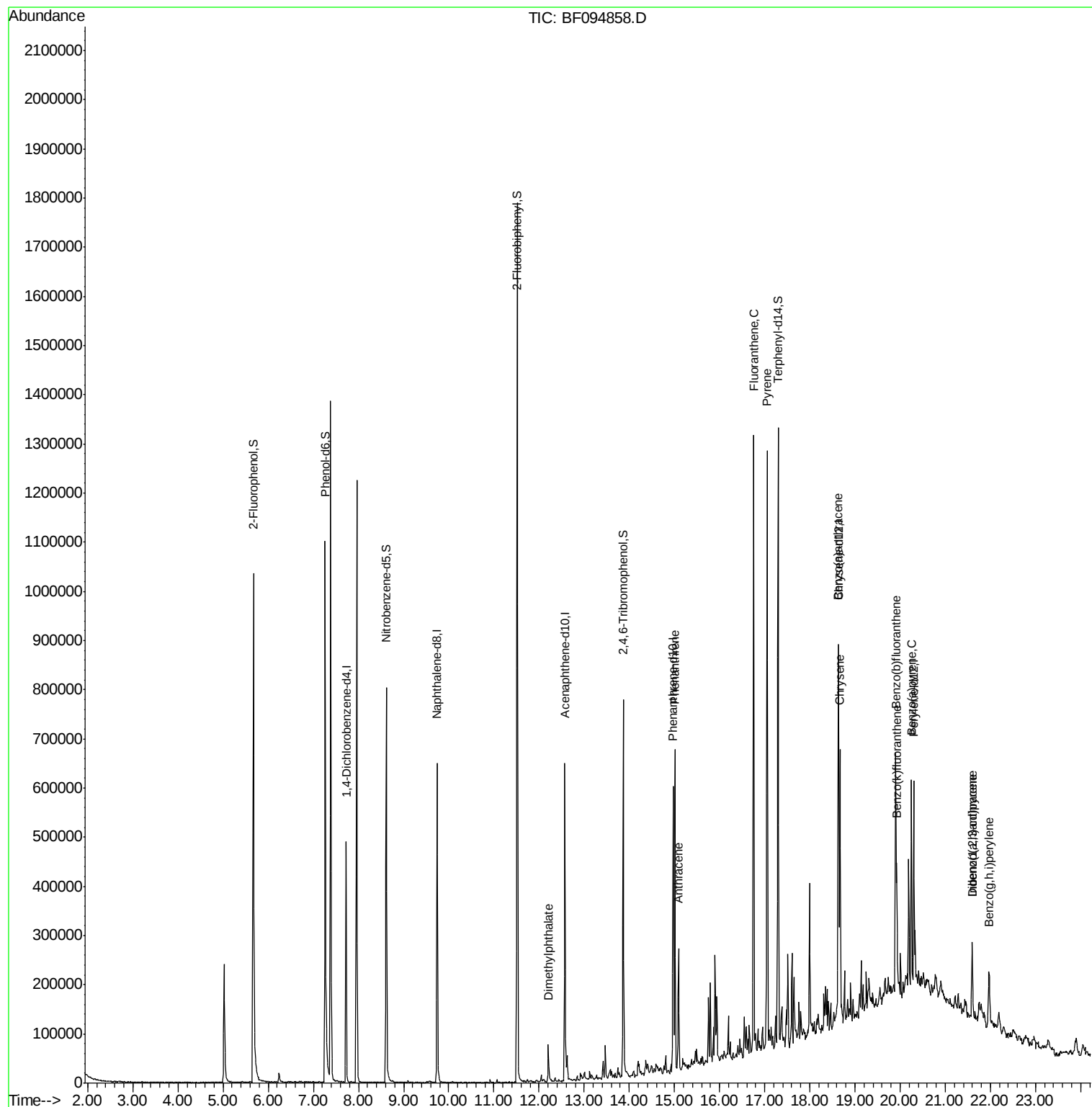
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050317\
Data File : BF094858.D
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ALS Vial : 21 Sample Multiplier: 1

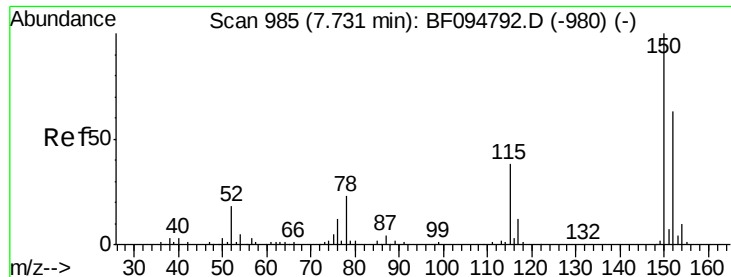
Instrument :
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TP2-COMP(1-10FT)

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
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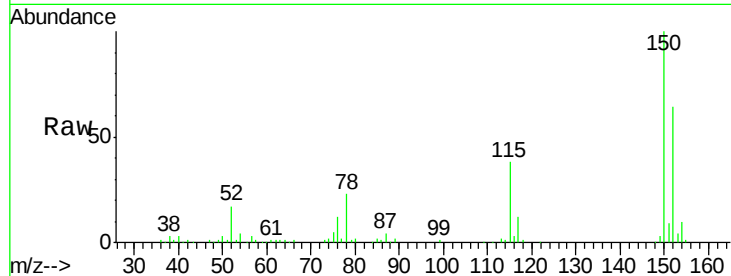




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF094858.D
Acq: 4 May 2017 4:02

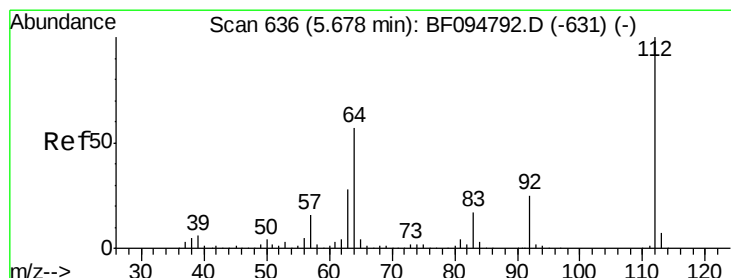
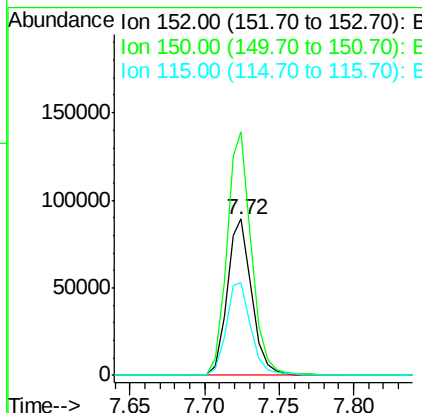
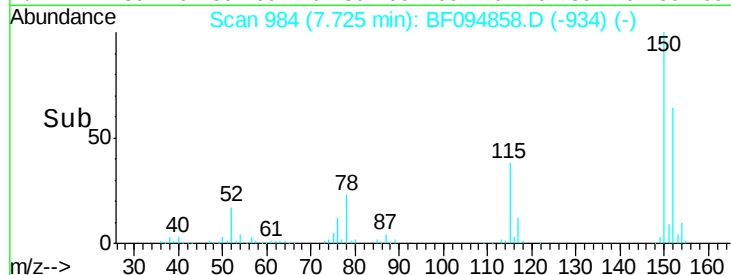
Instrument :
BNA_F
ClientSampleId :
TP2-COMP(1-10FT)



Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.0	126.2	189.2
115	59.4	52.2	78.2

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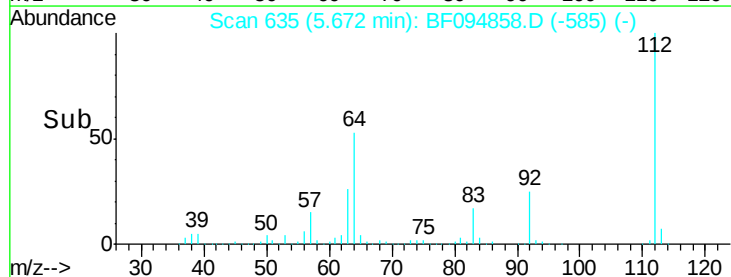
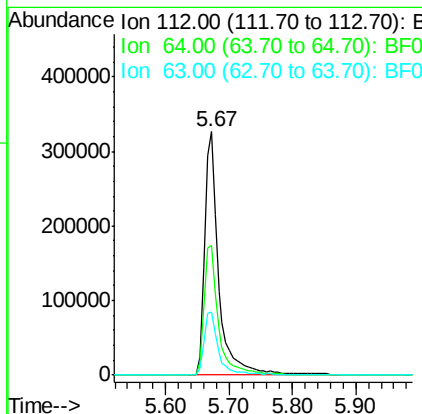
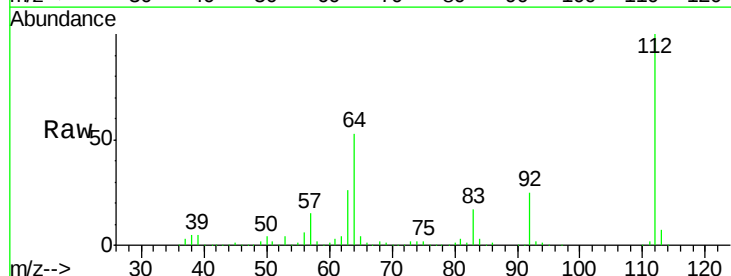
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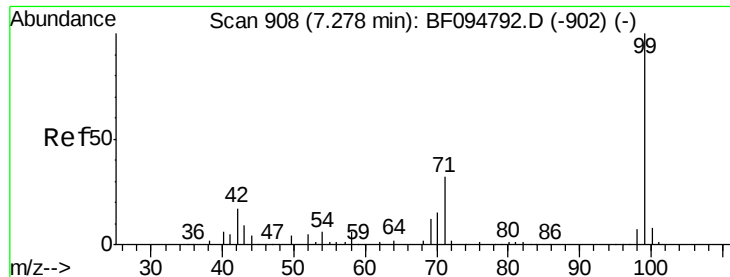


#5

2-Fluorophenol
Concen: 81.03 ng
RT: 5.67 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF094858.D
Acq: 4 May 2017 4:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	46.0	69.0
63	26.2	23.4	35.0





#7

Phenol-d6

Concen: 82.71 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF094858.D

Acq: 4 May 2017 4:02

Instrument :

BNA_F

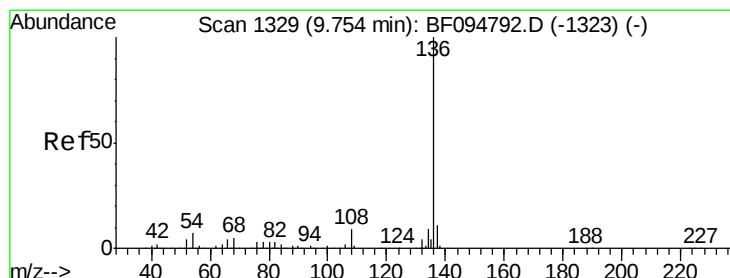
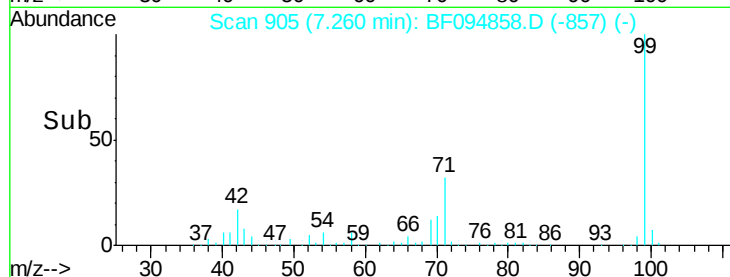
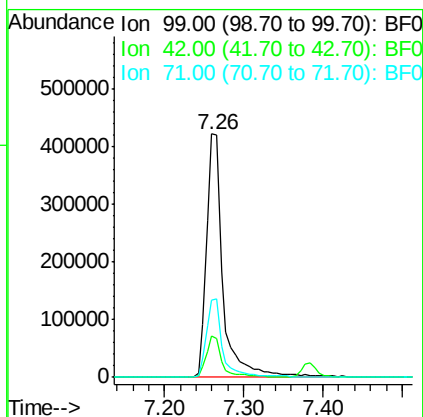
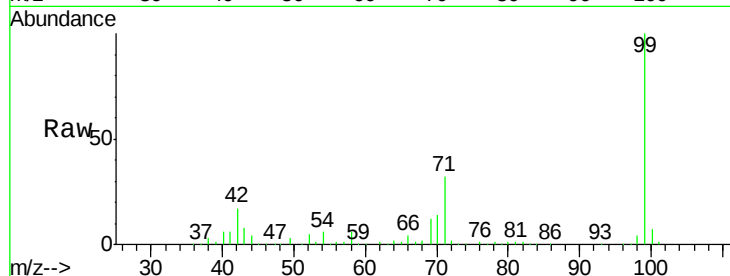
ClientSampleId :

TP2-COMP(1-10FT)

Tgt Ion:	99	Resp:	614855
Ion Ratio	Lower	Upper	
99	100		
42	17.0	13.5	20.3
71	32.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

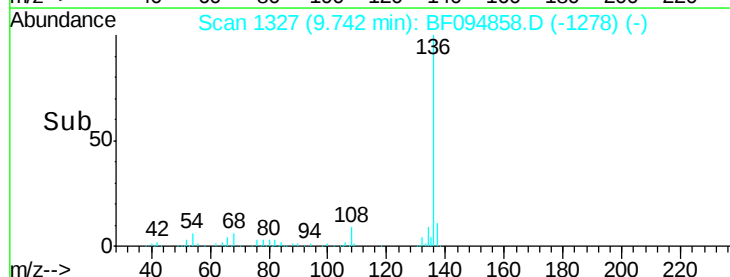
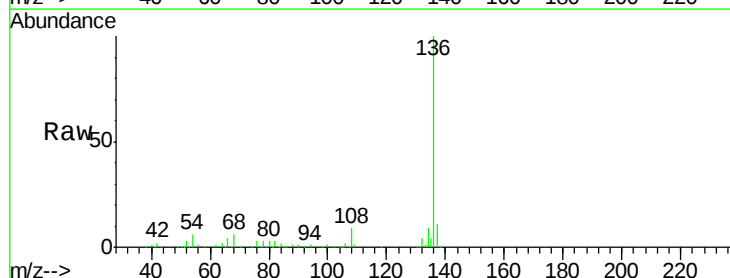
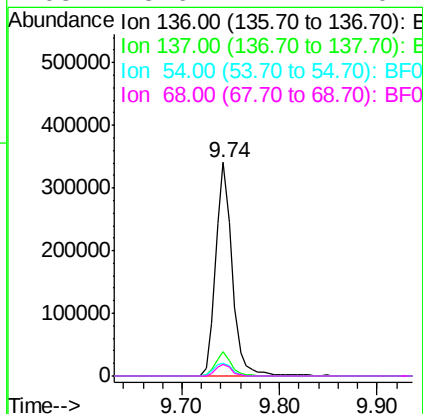
RT: 9.74 min Scan# 1327

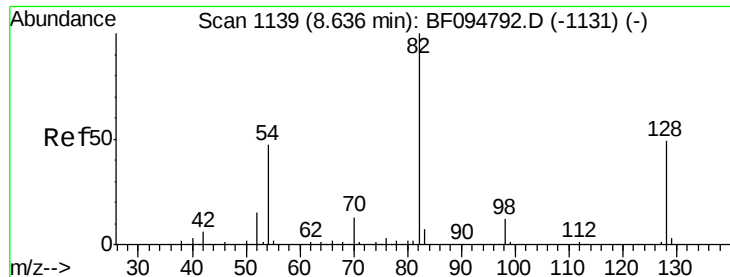
Delta R.T. -0.01 min

Lab File: BF094858.D

Acq: 4 May 2017 4:02

Tgt Ion:	136	Resp:	400035
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.5	12.7
54	6.3	4.9	7.3
68	5.6	4.1	6.1





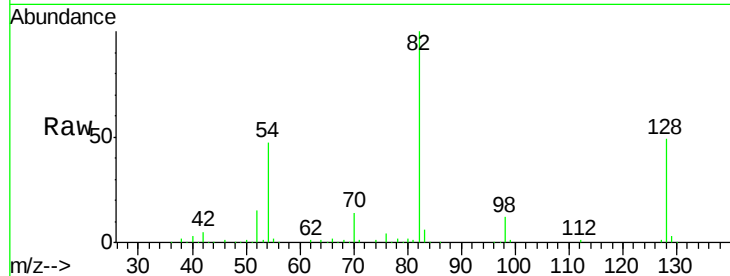
#23
Nitrobenzene-d5
Concen: 56.34 ng
RT: 8.62 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF094858.D
Acq: 4 May 2017 4:02

Instrument :
BNA_F
ClientSampleId :
TP2-COMP(1-10FT)

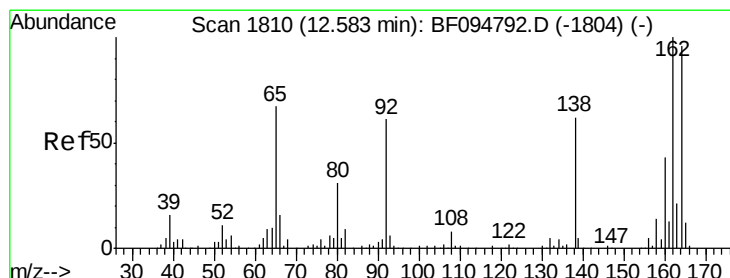
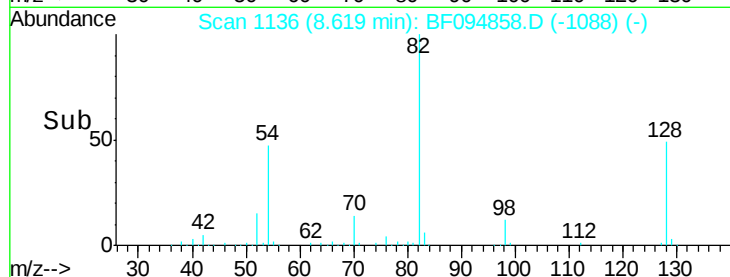
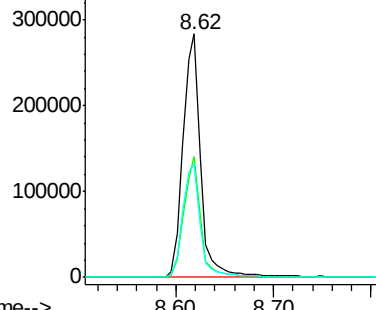
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	357391		
128	49.3	34.0	51.0	
54	46.7	42.2	63.2	

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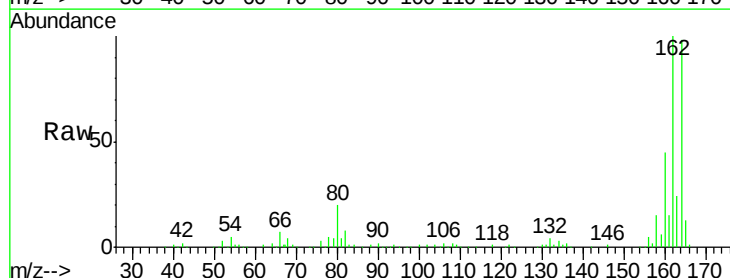


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

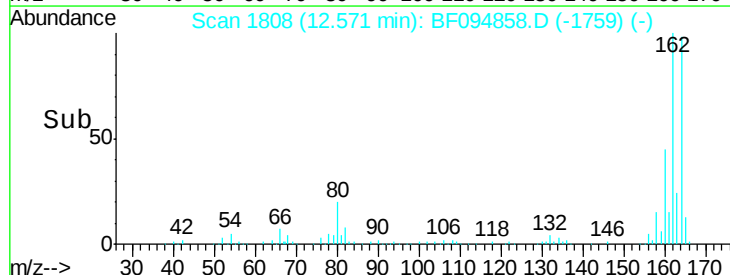
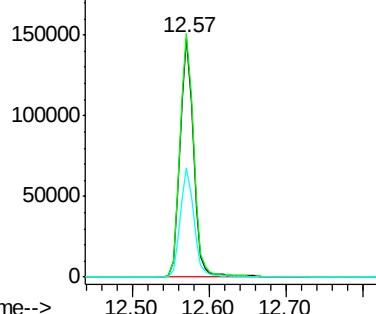


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.57 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF094858.D
Acq: 4 May 2017 4:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	178692		
162	101.9	82.6	123.8	
160	46.0	36.2	54.2	



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





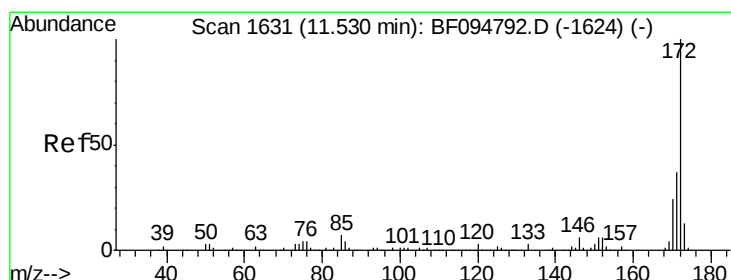
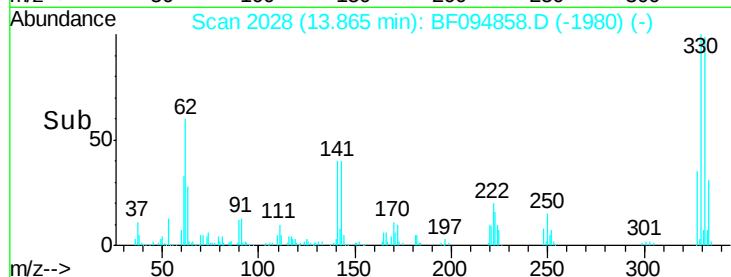
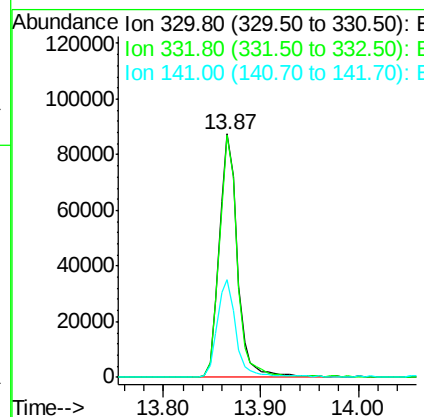
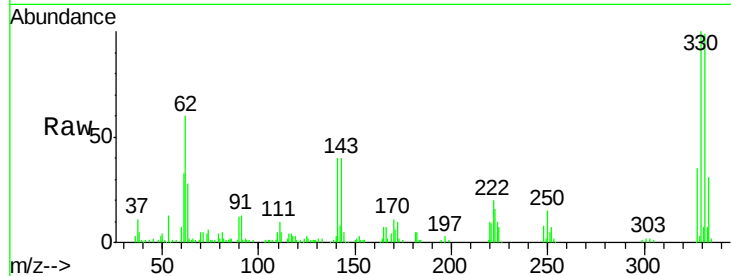
#41
 2,4,6-Tribromophenol
 Concen: 77.84 ng
 RT: 13.87 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF094858.D
 Acq: 4 May 2017 4:02

Instrument :
 BNA_F
 ClientSampleId :
 TP2-COMP(1-10FT)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	113915		
332	97.9	76.6	115.0	
141	42.2	31.4	47.2	

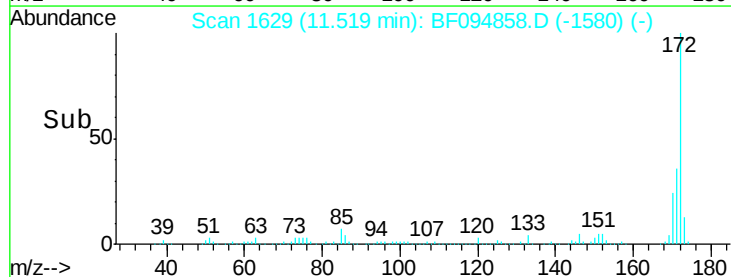
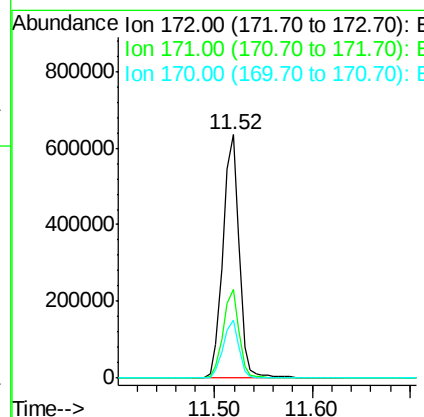
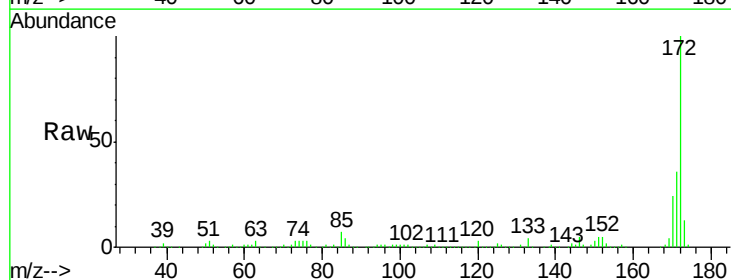
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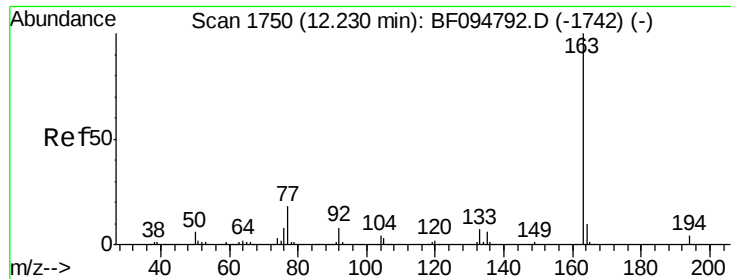
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#44
 2-Fluorobiphenyl
 Concen: 59.54 ng
 RT: 11.52 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: BF094858.D
 Acq: 4 May 2017 4:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	739221		
171	36.5	29.6	44.4	
170	23.7	19.8	29.8	





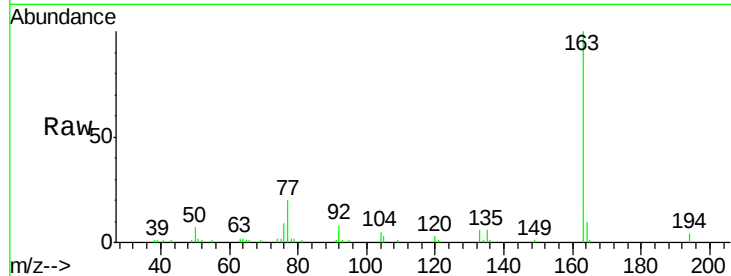
#49
Dimethylphthalate
Concen: 3.01 ng
RT: 12.21 min Scan# 1746
Delta R.T. -0.02 min
Lab File: BF094858.D
Acq: 4 May 2017 4:02

Instrument :
BNA_F
ClientSampleId :
TP2-COMP(1-10FT)

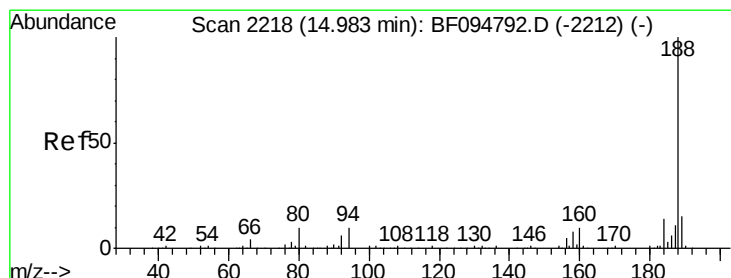
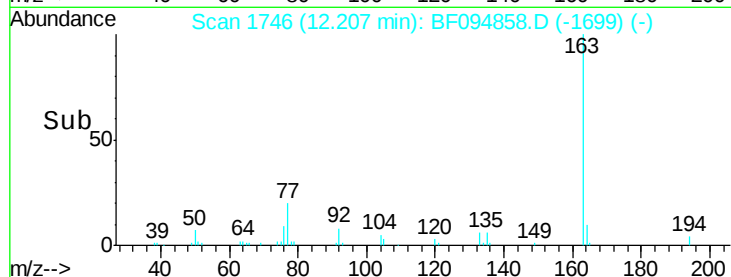
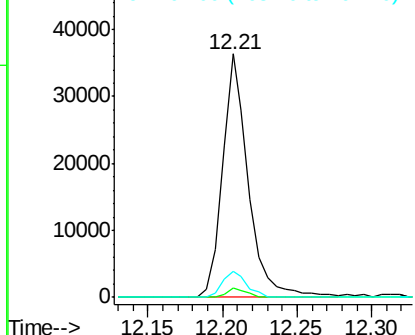
Tgt Ion	Ratio	Resp	Lower	Upper
163	100	44126		
194	3.7	2.6	4.0	
164	10.5	8.4	12.6	

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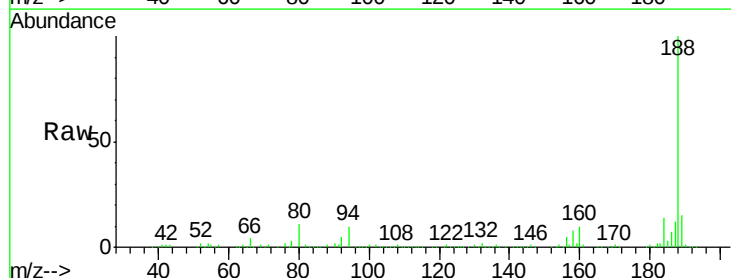


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

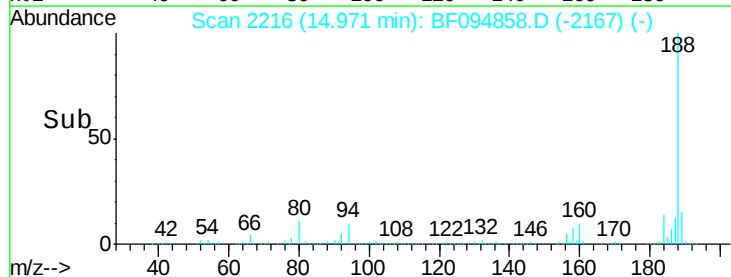
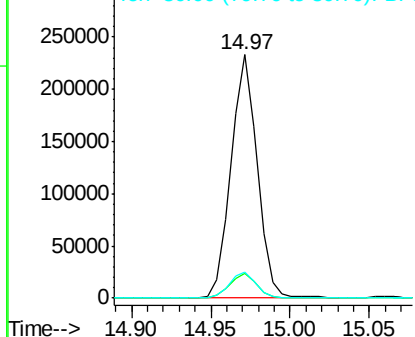


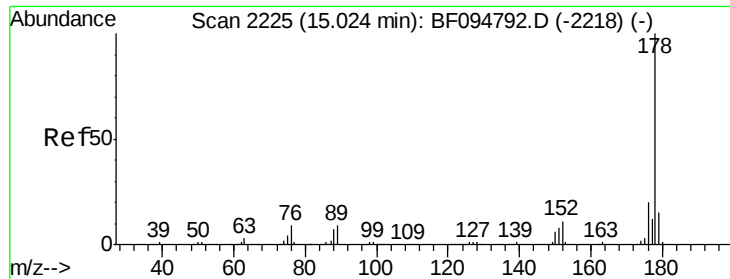
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.97 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF094858.D
Acq: 4 May 2017 4:02

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	267052		
94	10.0	9.4	14.2	
80	10.5	10.2	15.2	



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





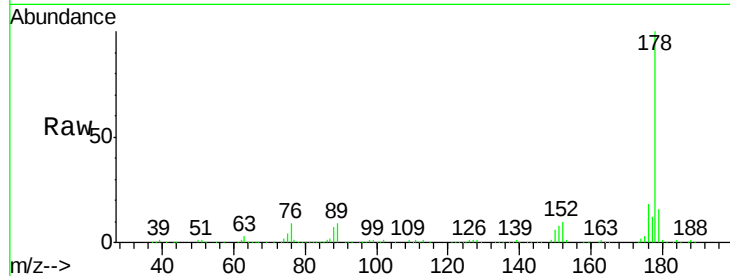
#70
 Phenanthrene
 Concen: 21.07 ng
 RT: 15.01 min Scan# 2222
 Delta R.T. -0.02 min
 Lab File: BF094858.D
 Acq: 4 May 2017 4:02

Instrument :
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 ClientSampleId :
 TP2-COMP(1-10FT)

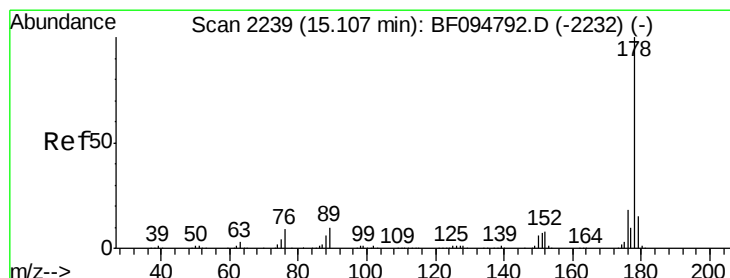
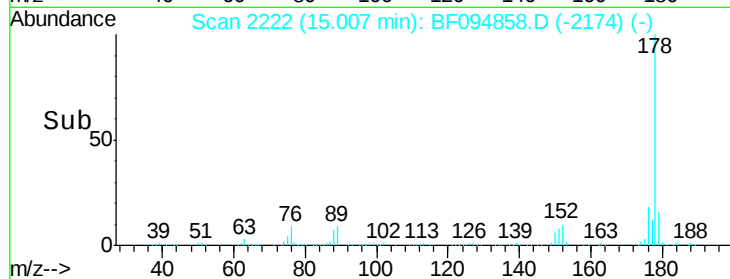
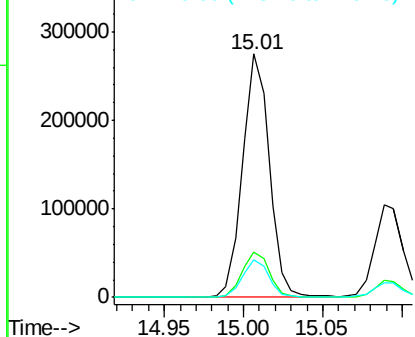
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.2	24.4
179	15.6	12.6	19.0

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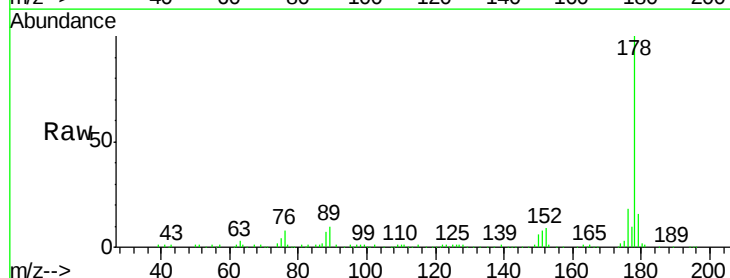


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

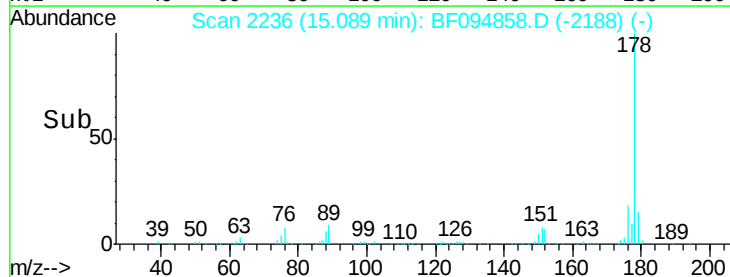
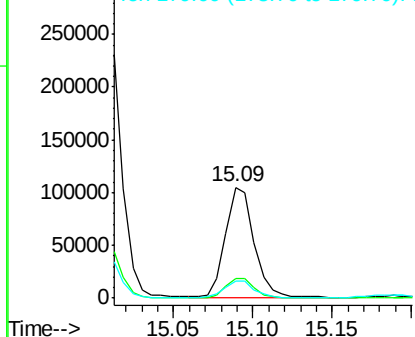


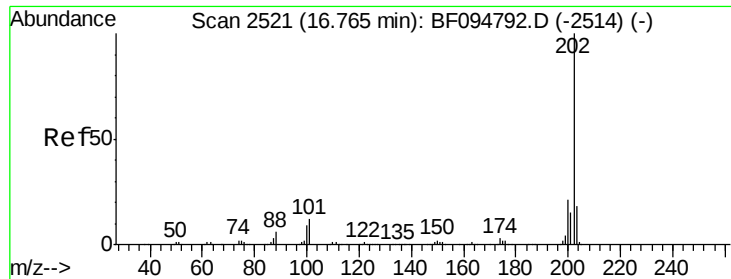
#71
 Anthracene
 Concen: 8.35 ng
 RT: 15.09 min Scan# 2236
 Delta R.T. -0.02 min
 Lab File: BF094858.D
 Acq: 4 May 2017 4:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.8	23.8
179	15.8	12.7	19.1



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: 38.41 ng

RT: 16.75 min Scan# 2519

Delta R.T. -0.01 min

Lab File: BF094858.D

Acq: 4 May 2017 4:02

Instrument :

BNA_F

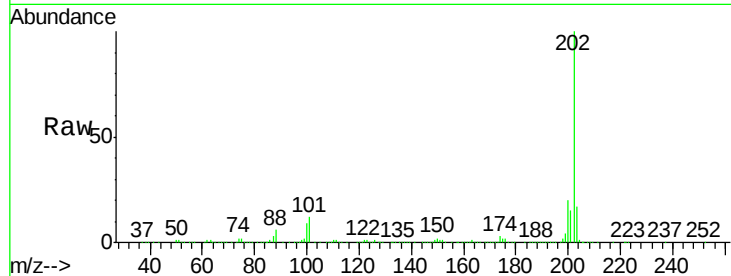
ClientSampleId :

TP2-COMP(1-10FT)

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	604490		
101	12.5	0.0	33.2	
203	17.3	0.0	38.1	

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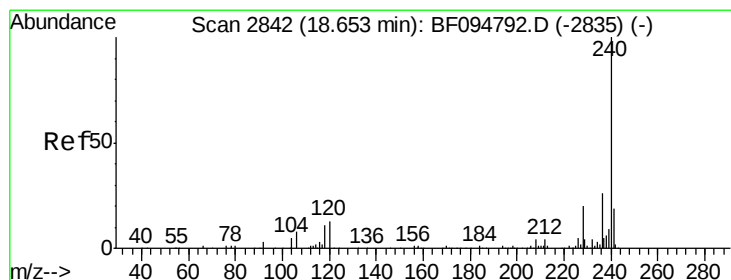
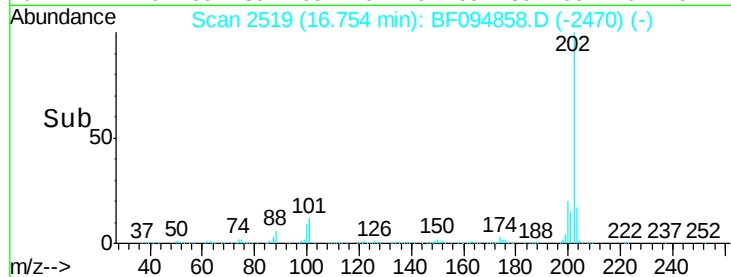
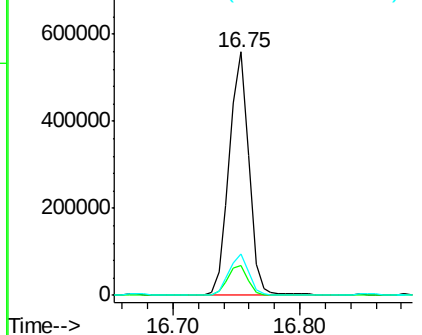
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 18.64 min Scan# 2840

Delta R.T. -0.01 min

Lab File: BF094858.D

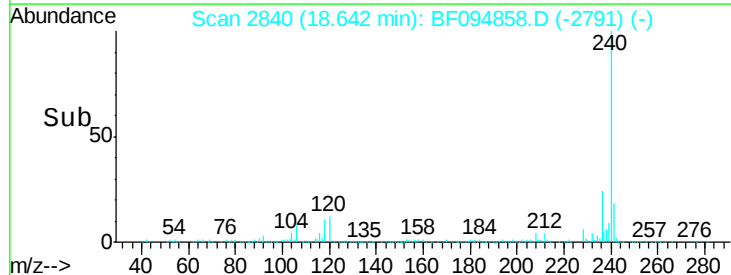
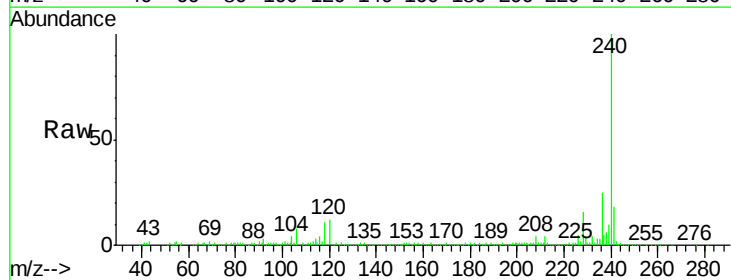
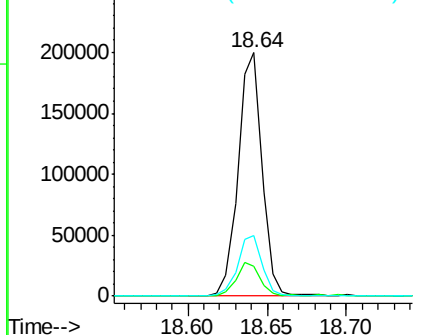
Acq: 4 May 2017 4:02

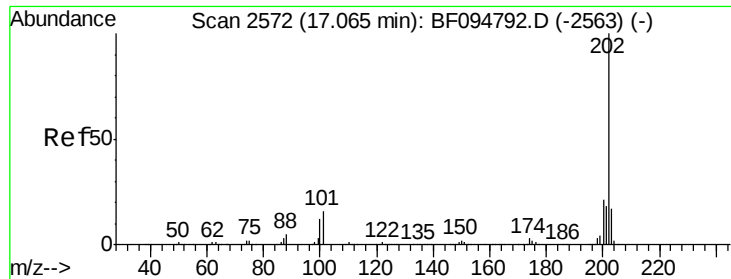
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	206799		
120	12.3	5.8	8.8#	
236	24.6	20.5	30.7	

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





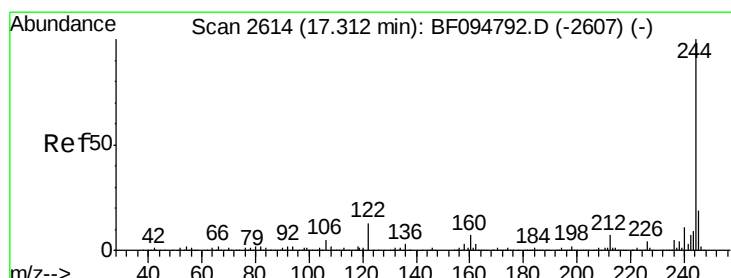
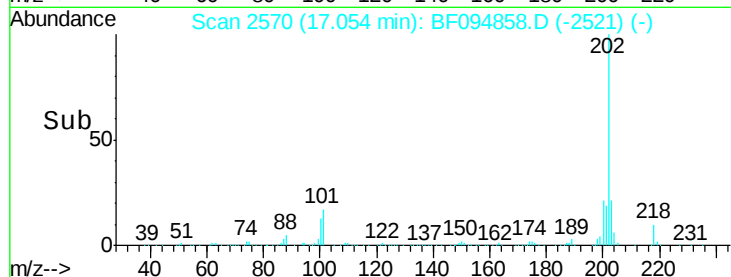
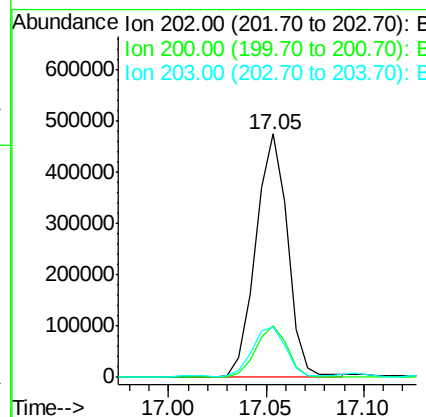
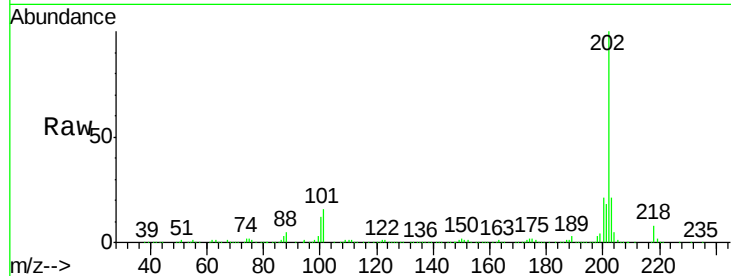
#77
 Pyrene
 Concen: 34.48 ng
 RT: 17.05 min Scan# 2570
 Delta R.T. -0.01 min
 Lab File: BF094858.D
 Acq: 4 May 2017 4:02

Instrument :
 BNA_F
 ClientSampleId :
 TP2-COMP(1-10FT)

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.2	17.6	26.4
203	20.8	14.4	21.6

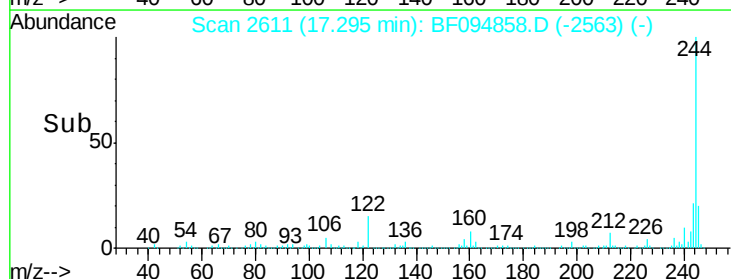
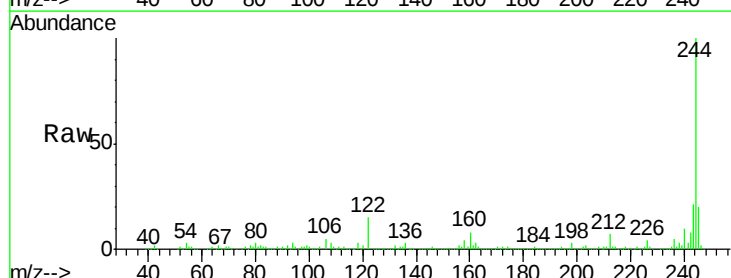
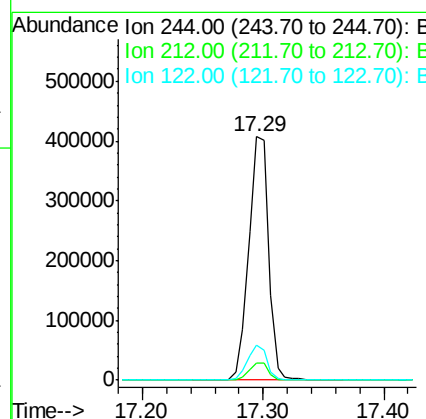
Manual Integrations
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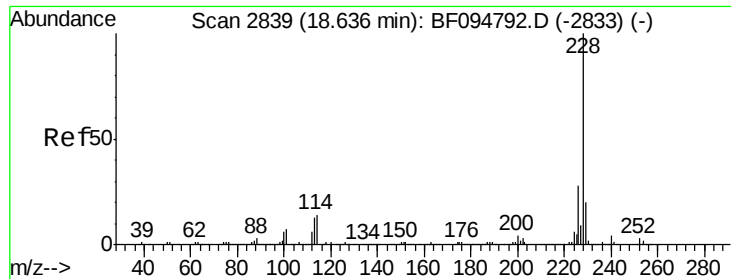
mohammad
 5/4/2017 3:35:18 PM



#78
 Terphenyl-d14
 Concen: 50.12 ng
 RT: 17.29 min Scan# 2611
 Delta R.T. -0.02 min
 Lab File: BF094858.D
 Acq: 4 May 2017 4:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.1	6.0	9.0
122	14.6	10.3	15.5





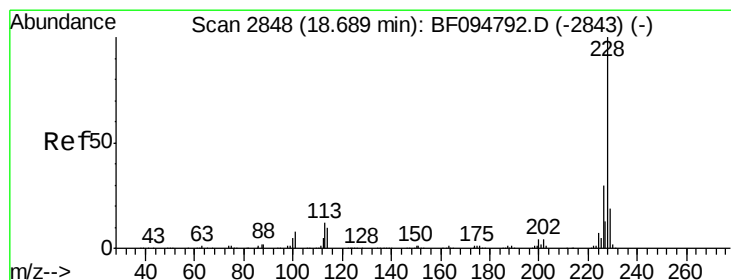
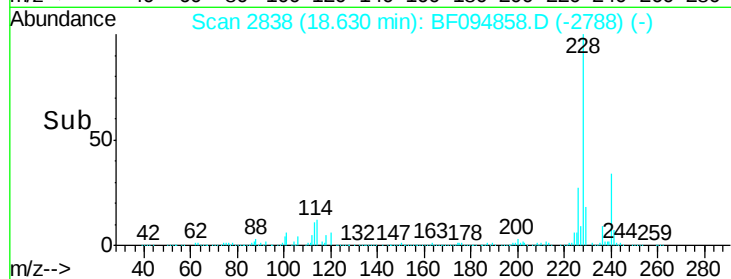
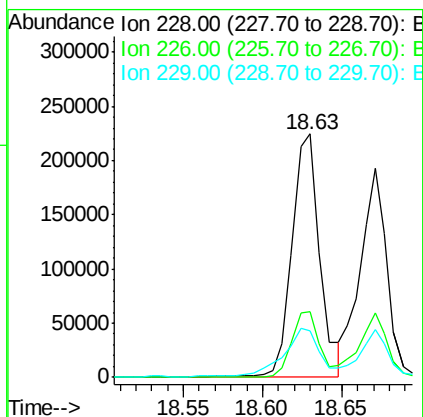
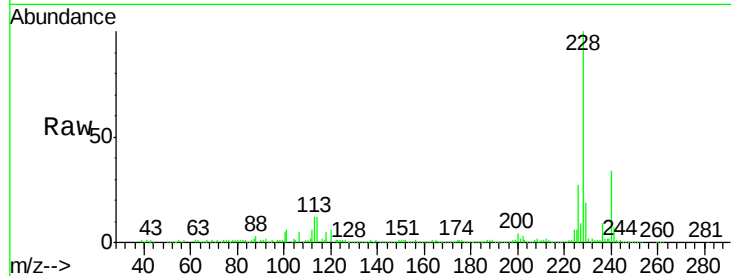
#80
Benzo(a)anthracene
Concen: 22.57 ng
RT: 18.63 min Scan# 2838
Delta R.T. -0.01 min
Lab File: BF094858.D
Acq: 4 May 2017 4:02

Instrument :
BNA_F
ClientSampleId :
TP2-COMP(1-10FT)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	19.4	16.3	24.5

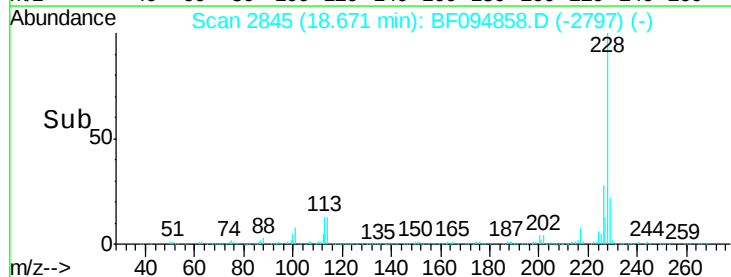
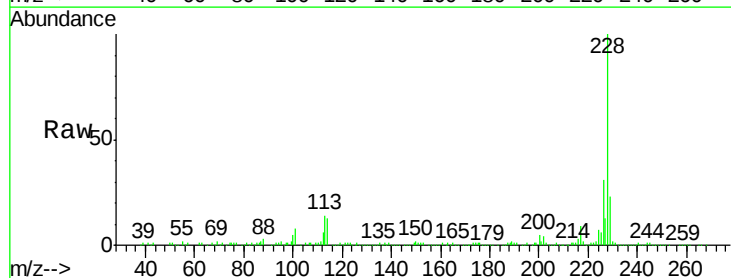
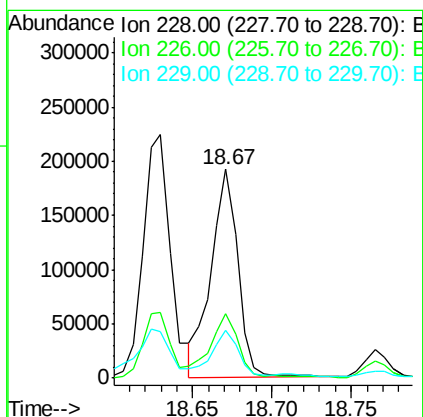
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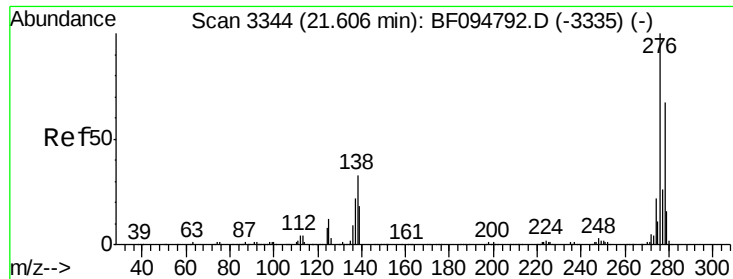
mohammad
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#82
Chrysene
Concen: 19.45 ng
RT: 18.67 min Scan# 2845
Delta R.T. -0.02 min
Lab File: BF094858.D
Acq: 4 May 2017 4:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	22.7	15.8	23.6





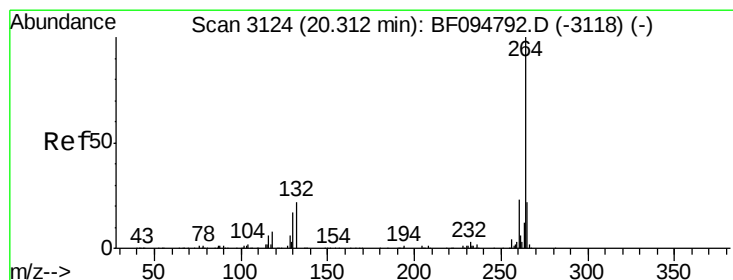
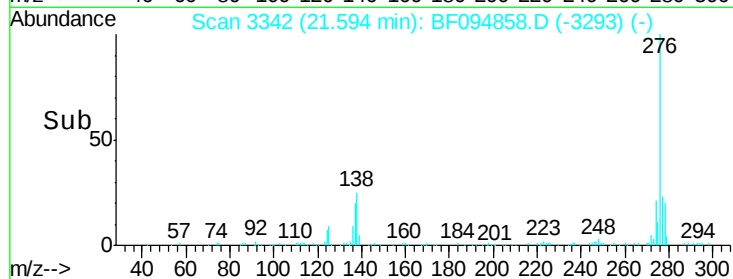
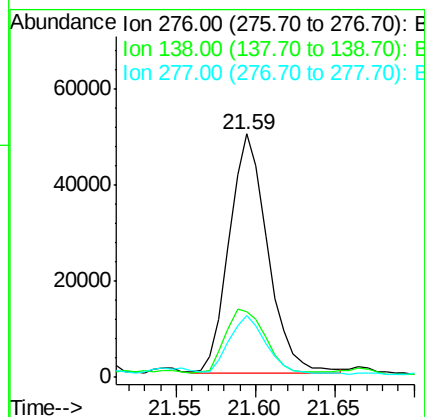
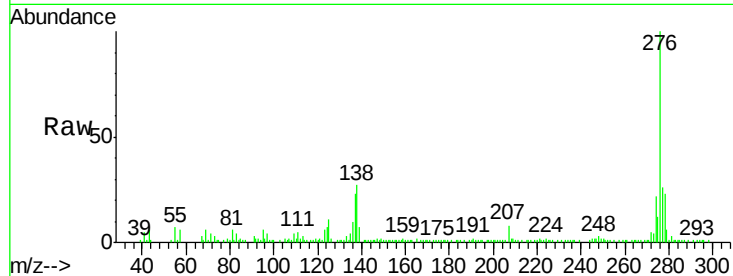
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.93 ng
 RT: 21.59 min Scan# 3342
 Delta R.T. -0.01 min
 Lab File: BF094858.D
 Acq: 4 May 2017 4:02

Instrument :
 BNA_F
 ClientSampleId :
 TP2-COMP(1-10FT)

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.8	27.8	41.6#
277	22.8	20.2	30.4

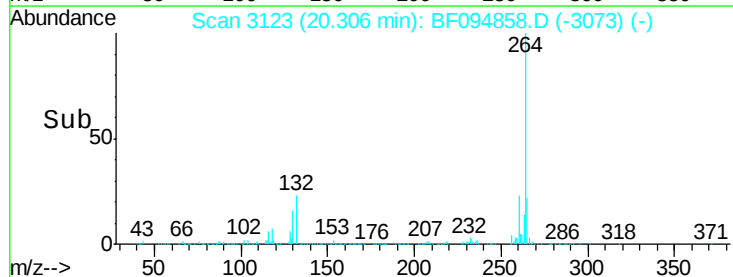
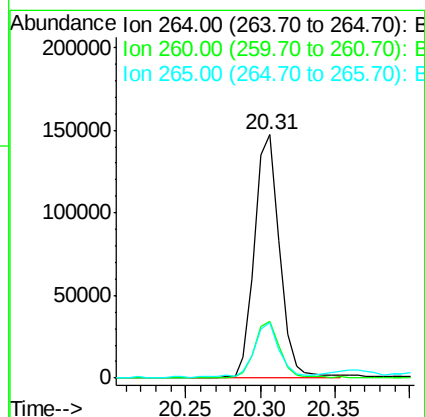
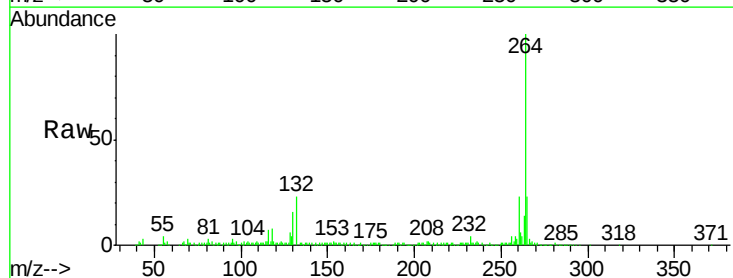
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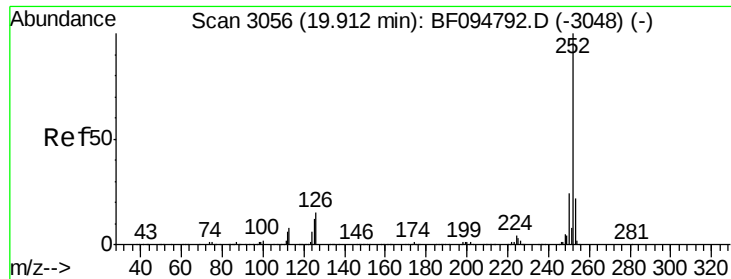
mohammad
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.31 min Scan# 3123
 Delta R.T. -0.01 min
 Lab File: BF094858.D
 Acq: 4 May 2017 4:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	22.6	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 24.50 ng m

RT: 19.90 min Scan# 3054

Delta R.T. -0.01 min

Lab File: BF094858.D

Acq: 4 May 2017 4:02

Instrument :

BNA_F

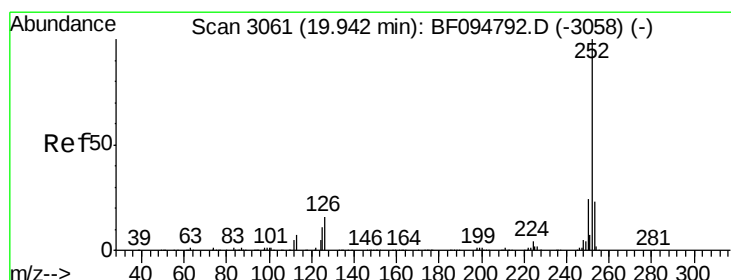
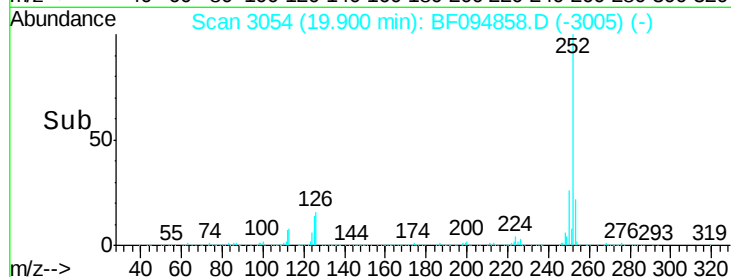
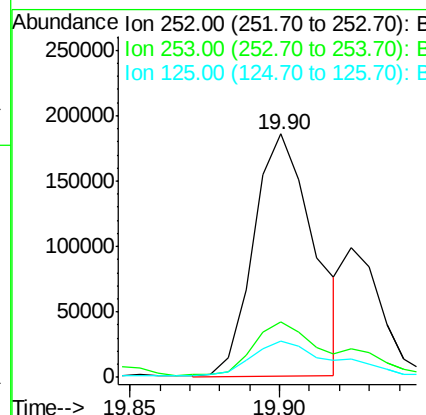
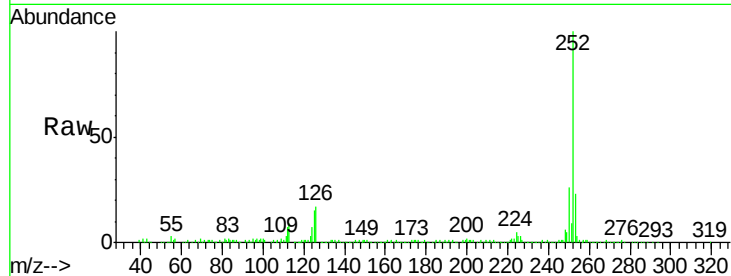
ClientSampleId :

TP2-COMP(1-10FT)

Tgt Ion:	252	Resp:	259453
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.1	27.1
125	15.0	9.8	14.8#

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#88

Benzo(k)fluoranthene

Concen: 8.24 ng m

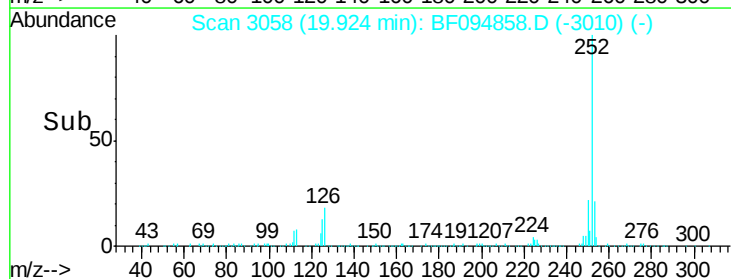
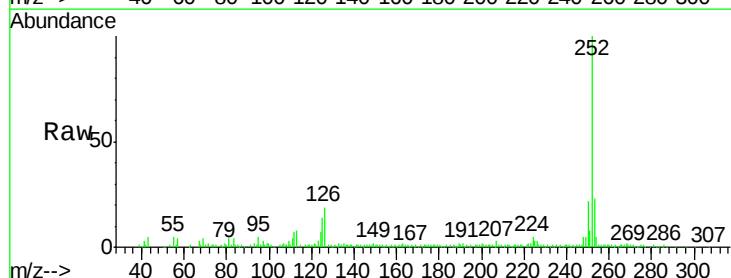
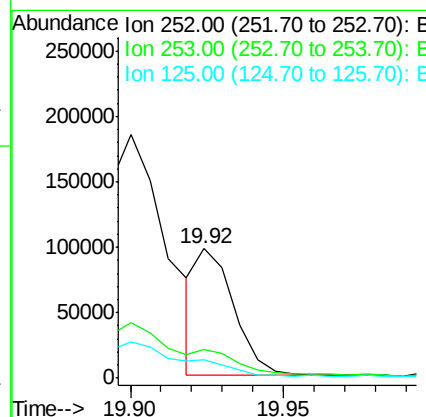
RT: 19.92 min Scan# 3058

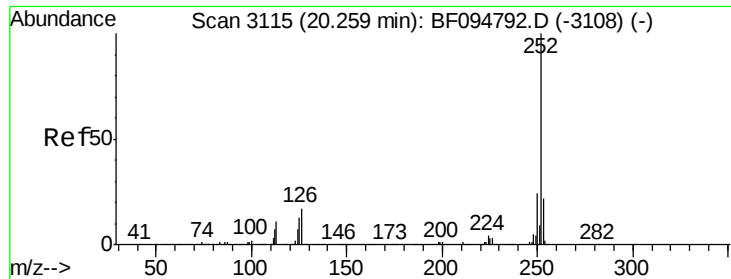
Delta R.T. -0.02 min

Lab File: BF094858.D

Acq: 4 May 2017 4:02

Tgt Ion:	252	Resp:	84216
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.4	27.6
125	14.1	13.1	19.7





#89

Benzo(a)pyrene

Concen: 18.10 ng

RT: 20.25 min Scan# 3113

Delta R.T. -0.01 min

Lab File: BF094858.D

Acq: 4 May 2017 4:02

Instrument :

BNA_F

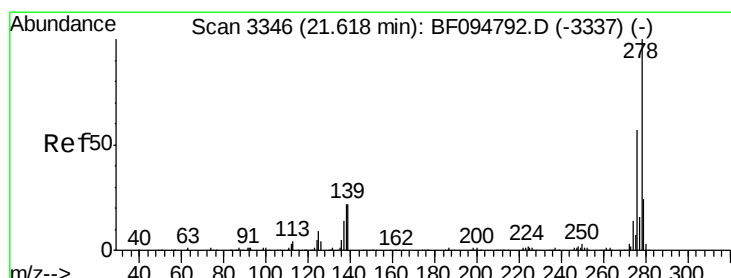
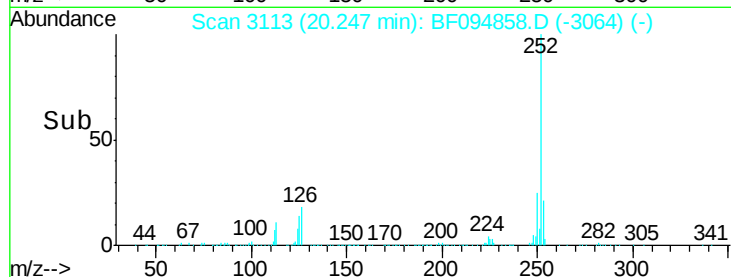
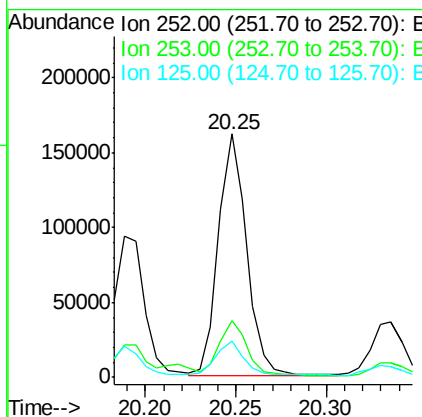
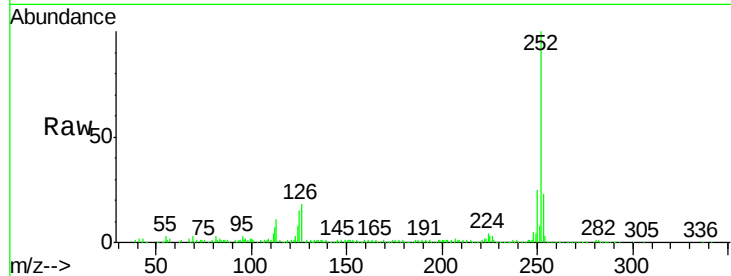
ClientSampleId :

TP2-COMP(1-10FT)

Tgt Ion:	252	Resp:	176892
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.5	26.3
125	14.9	11.0	16.4

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#90

Dibenzo(a,h)anthracene

Concen: 2.72 ng m

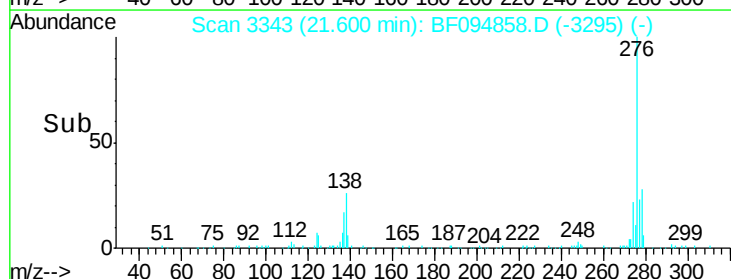
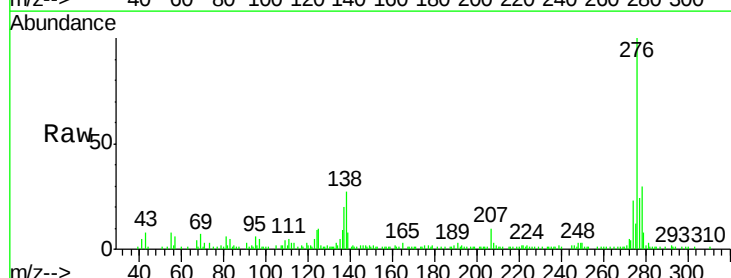
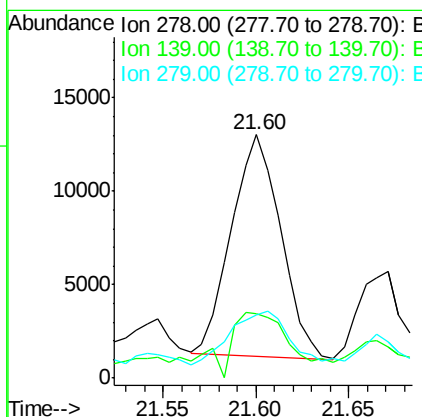
RT: 21.60 min Scan# 3343

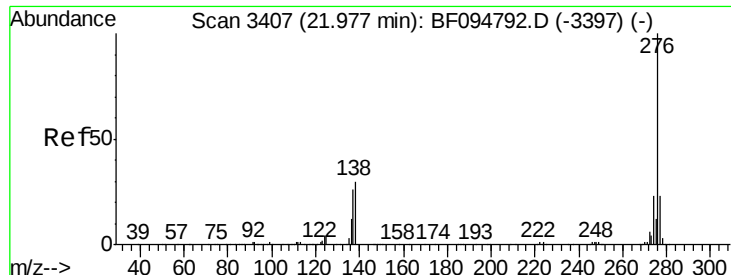
Delta R.T. -0.02 min

Lab File: BF094858.D

Acq: 4 May 2017 4:02

Tgt Ion:	278	Resp:	21948
Ion Ratio	Lower	Upper	
278	100		
139	26.3	16.6	24.8#
279	26.1	19.3	28.9





#91
 Benzo(g,h,i)perylene
 Concen: 9.92 ng
 RT: 21.97 min Scan# 3406
 Delta R.T. -0.01 min
 Lab File: BF094858.D
 Acq: 4 May 2017 4:02

Instrument :
 BNA_F
 ClientSampleId :
 TP2-COMP(1-10FT)

Tgt Ion:	276	Resp:	78556
Ion Ratio	Lower	Upper	
276	100		
277	24.4	18.6	28.0
138	27.8	25.4	38.0

Manual Integrations
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