

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050317\
 Data File : BF094859.D
 Acq On : 4 May 2017 4:33
 Operator : SJ/MA
 Sample : I2936-11 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP(0.5-4.5FT)

Manual Integrations
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Quant Time: May 04 05:52:18 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	99990	20.00	ng	0.00
21) Naphthalene-d8	9.74	136	394719	20.00	ng	-0.01
38) Acenaphthene-d10	12.57	164	164057	20.00	ng	-0.01
63) Phenanthrene-d10	14.97	188	245470	20.00	ng	-0.01
75) Chrysene-d12	18.65	240	188958	20.00	ng	0.00
86) Perylene-d12	20.31	264	162119	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	456577	76.13	ng	0.00
7) Phenol-d6	7.26	99	572531	79.56	ng	-0.02
23) Nitrobenzene-d5	8.61	82	331720	52.99	ng	-0.02
41) 2,4,6-Tribromophenol	13.87	330	100086	74.49	ng	-0.02
44) 2-Fluorobiphenyl	11.52	172	599550	52.60	ng	-0.01
78) Terphenyl-d14	17.30	244	365265	42.58	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	12.21	163	40048	2.97	ng	99
51) Acenaphthene	12.62	154	87671	8.40	ng	98
54) Dibenzofuran	12.91	168	67571	4.68	ng	97
57) Fluorene	13.47	166	144621	11.52	ng	97
70) Phenanthrene	15.02	178	1458633	103.42	ng	98
71) Anthracene	15.09	178	620168	43.05	ng	98
72) Carbazole	15.37	167	53242	4.06	ng	98
74) Fluoranthene	16.78	202	2701735	186.74	ng	99
77) Pyrene	17.08	202	2223478	157.34	ng	99
80) Benzo(a)anthracene	18.64	228	1315237	119.60	ng	99
82) Chrysene	18.69	228	1005731	94.58	ng	96
85) Indeno(1,2,3-cd)pyrene	21.61	276	379322	43.93	ng	92
87) Benzo(b)fluoranthene	19.92	252	1180627m	117.86	ng	
88) Benzo(k)fluoranthene	19.94	252	397762m	41.16	ng	
89) Benzo(a)pyrene	20.26	252	826726	89.44	ng	97
90) Dibenzo(a,h)anthracene	21.61	278	95409m	12.50	ng	
91) Benzo(g,h,i)perylene	21.98	276	344274	45.95	ng	97

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

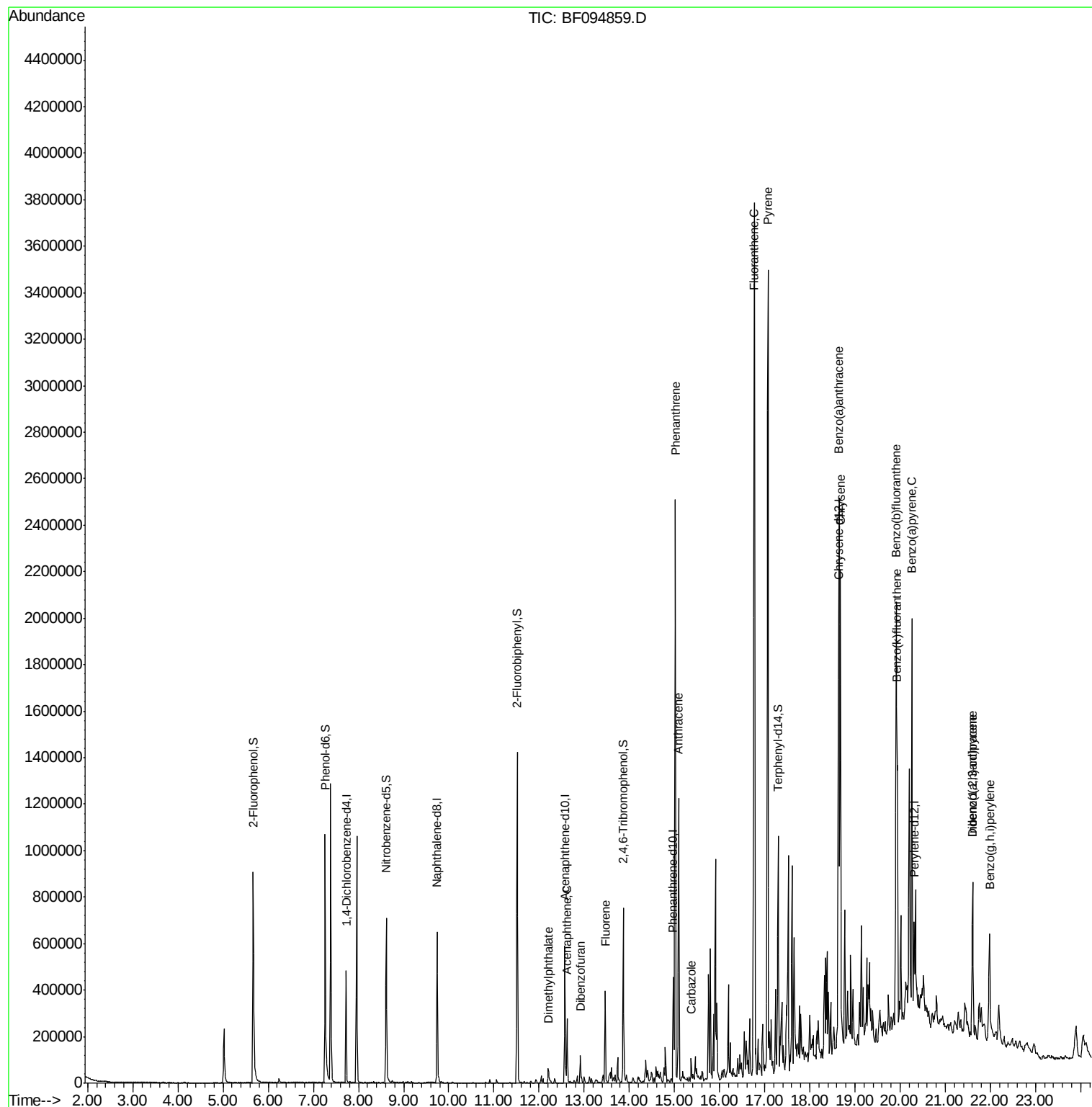
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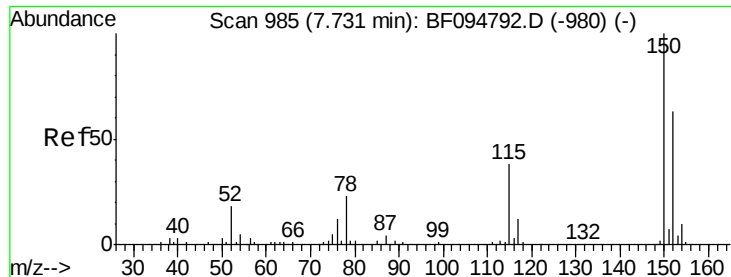
Instrument :
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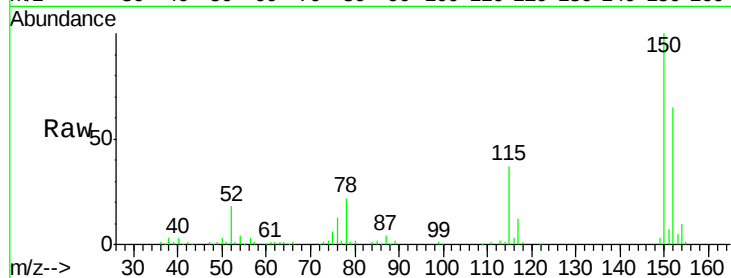




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF094859.D
Acq: 4 May 2017 4:33

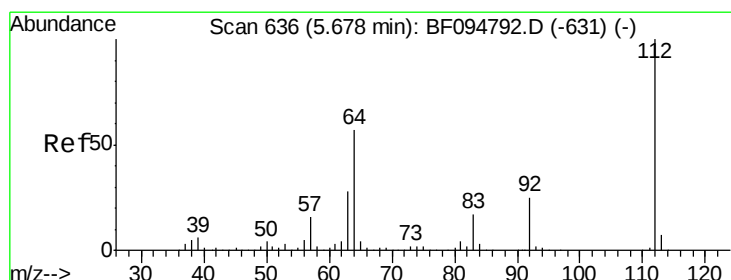
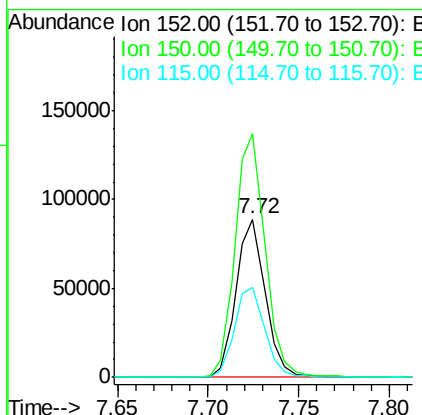
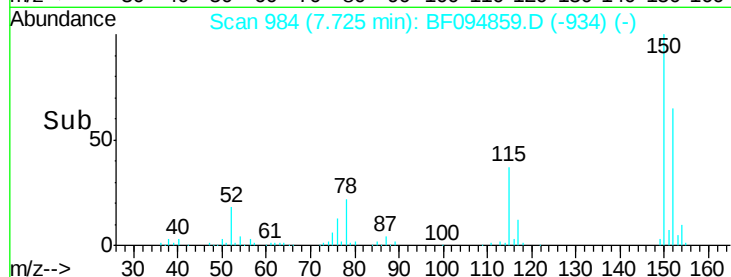
Instrument :
BNA_F
ClientSampleId :
TP3-COMP(0.5-4.5FT)



Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.1	126.2	189.2
115	57.1	52.2	78.2

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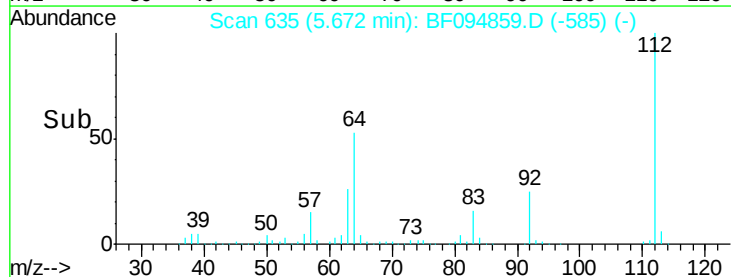
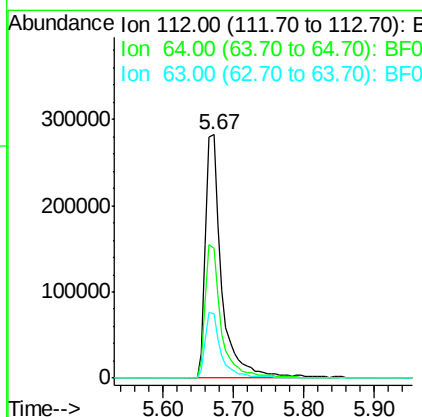
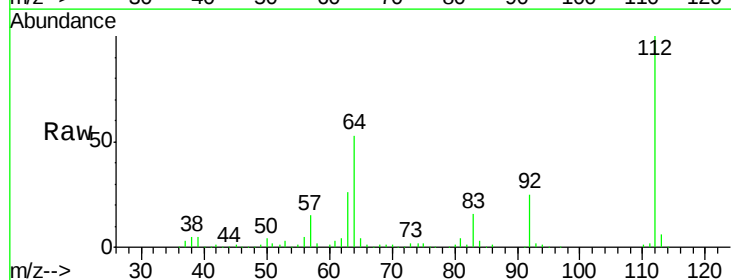
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#5

2-Fluorophenol
Concen: 76.13 ng
RT: 5.67 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF094859.D
Acq: 4 May 2017 4:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	46.0	69.0
63	26.3	23.4	35.0





#7

Phenol-d6

Concen: 79.56 ng

RT: 7.26 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF094859.D

Acq: 4 May 2017 4:33

Instrument :

BNA_F

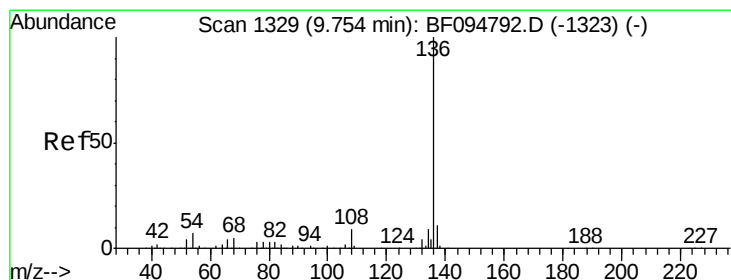
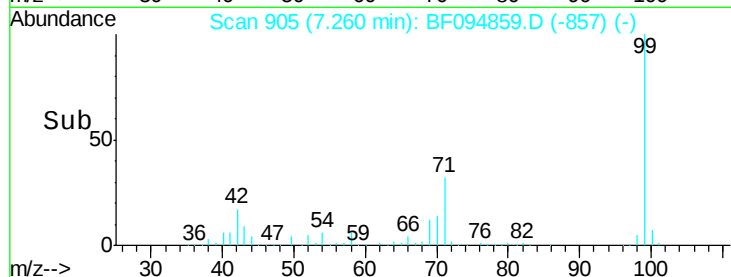
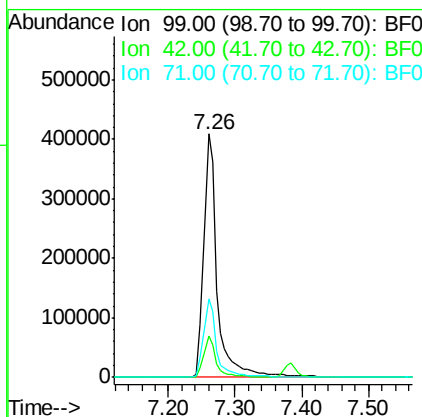
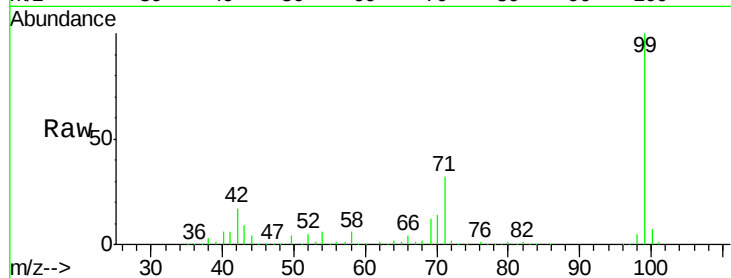
ClientSampleId :

TP3-COMP(0.5-4.5FT)

Tgt Ion:	99	Resp:	572531
Ion Ratio	Lower	Upper	
99	100		
42	17.0	13.5	20.3
71	32.3	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

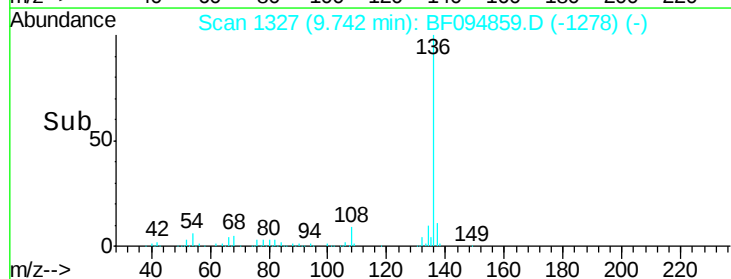
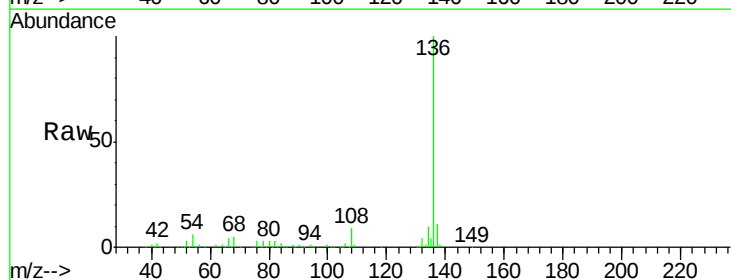
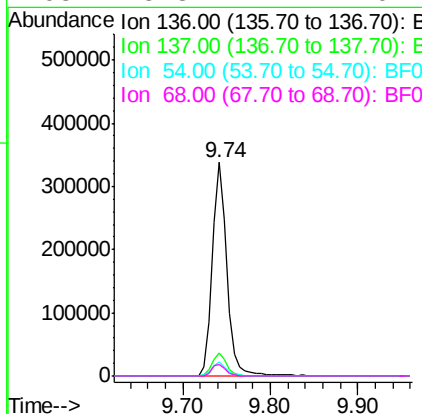
RT: 9.74 min Scan# 1327

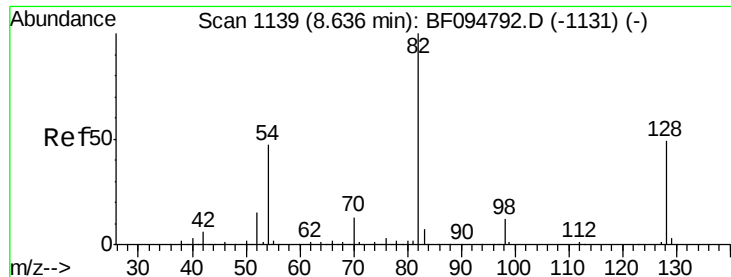
Delta R.T. -0.01 min

Lab File: BF094859.D

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Tgt Ion:	136	Resp:	394719
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.5	12.7
54	6.5	4.9	7.3
68	5.3	4.1	6.1





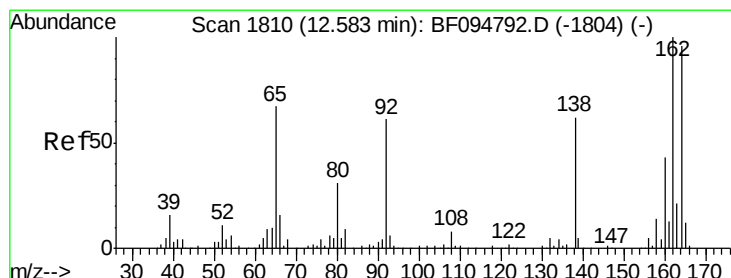
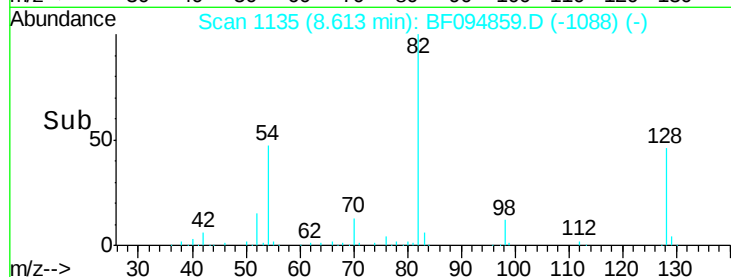
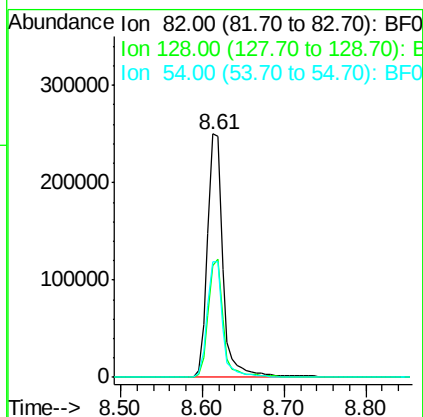
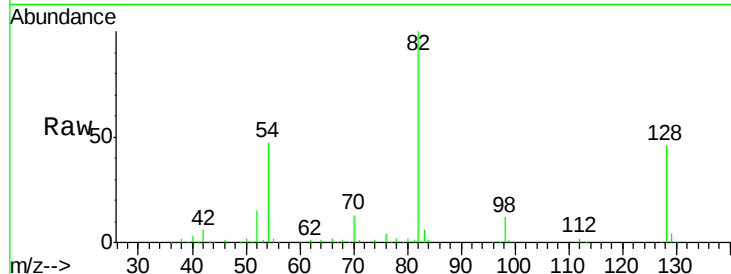
#23
 Nitrobenzene-d5
 Concen: 52.99 ng
 RT: 8.61 min Scan# 1135
 Delta R.T. -0.02 min
 Lab File: BF094859.D
 Acq: 4 May 2017 4:33

Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP(0.5-4.5FT)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.7	34.0	51.0
54	47.3	42.2	63.2

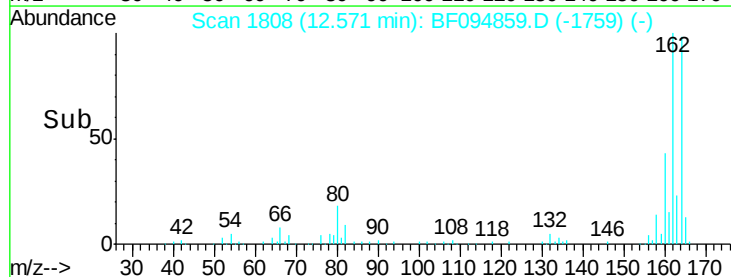
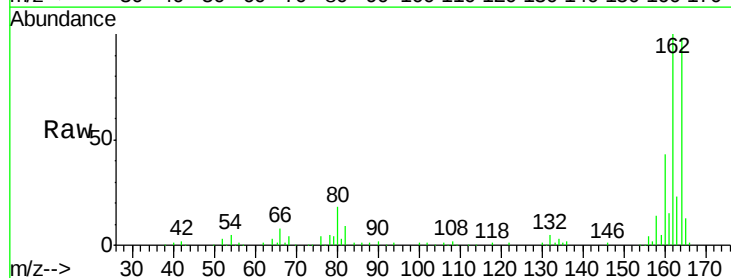
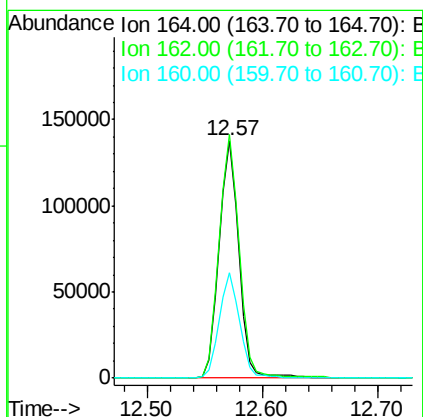
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 12.57 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: BF094859.D
 Acq: 4 May 2017 4:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.6	123.8
160	44.3	36.2	54.2





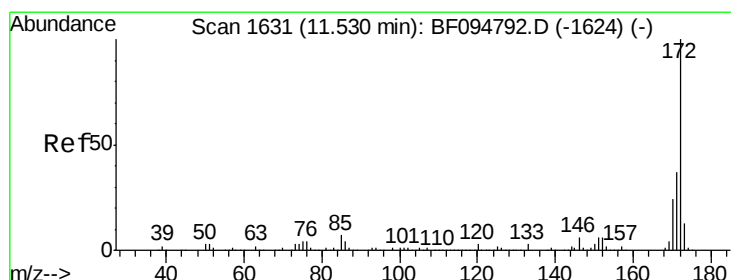
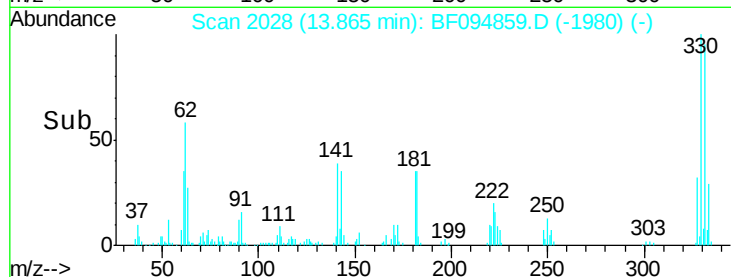
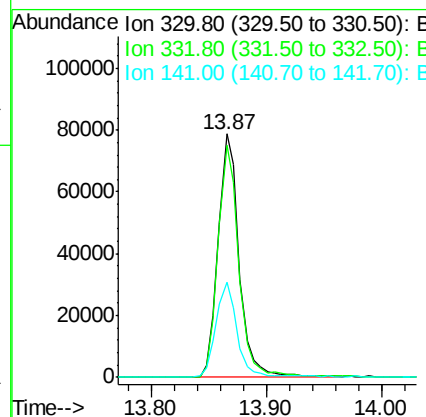
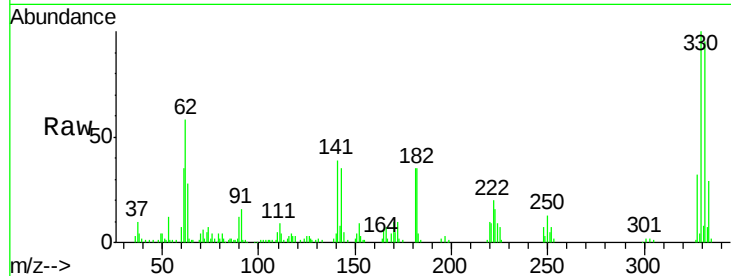
#41
 2,4,6-Tribromophenol
 Concen: 74.49 ng
 RT: 13.87 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF094859.D
 Acq: 4 May 2017 4:33

Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP(0.5-4.5FT)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	100086		
332	94.9	76.6	115.0	
141	39.3	31.4	47.2	

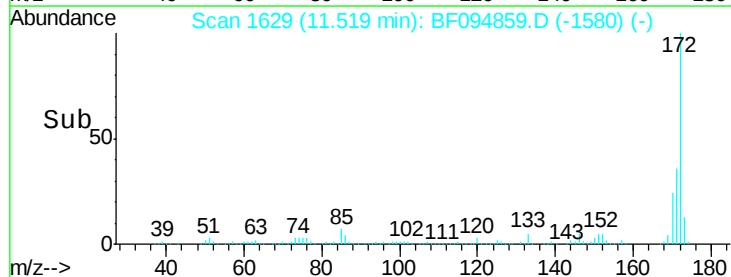
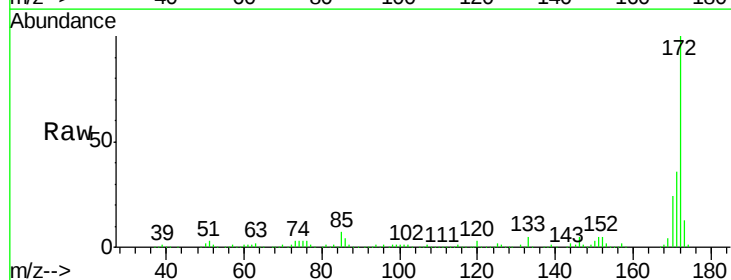
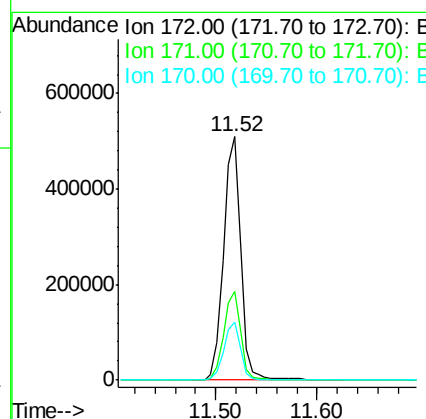
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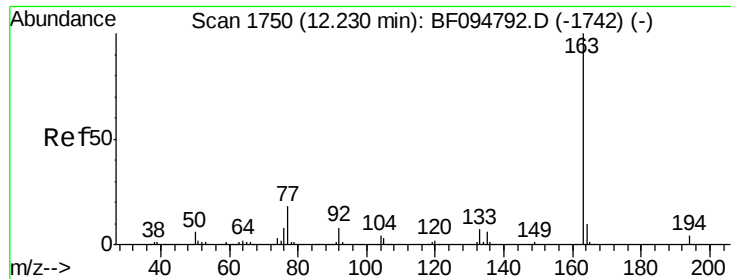
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#44
 2-Fluorobiphenyl
 Concen: 52.60 ng
 RT: 11.52 min Scan# 1629
 Delta R.T. -0.01 min
 Lab File: BF094859.D
 Acq: 4 May 2017 4:33

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	599550		
171	36.3	29.6	44.4	
170	23.9	19.8	29.8	





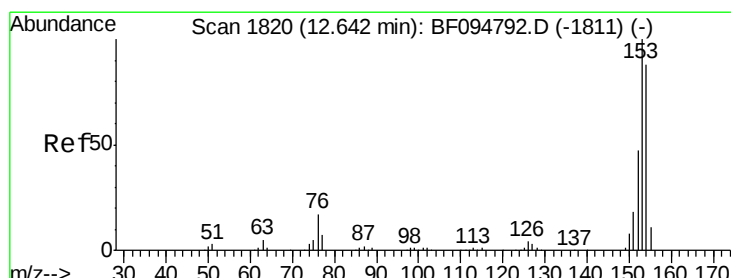
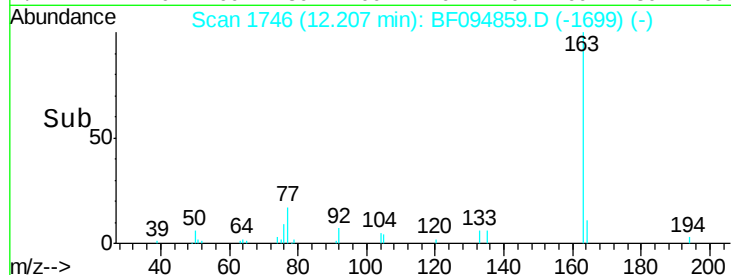
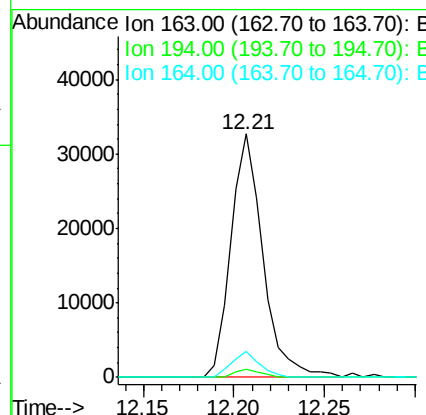
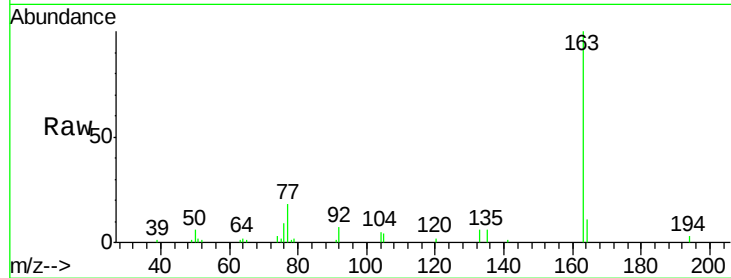
#49
Dimethylphthalate
Concen: 2.97 ng
RT: 12.21 min Scan# 1746
Delta R.T. -0.02 min
Lab File: BF094859.D
Acq: 4 May 2017 4:33

Instrument :
BNA_F
ClientSampleId :
TP3-COMP(0.5-4.5FT)

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	40048		
194	3.3		2.6	4.0
164	10.9		8.4	12.6

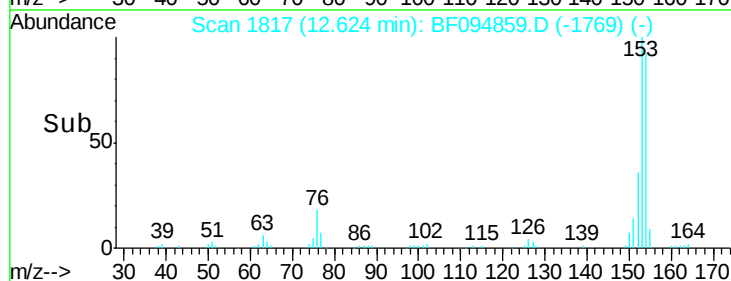
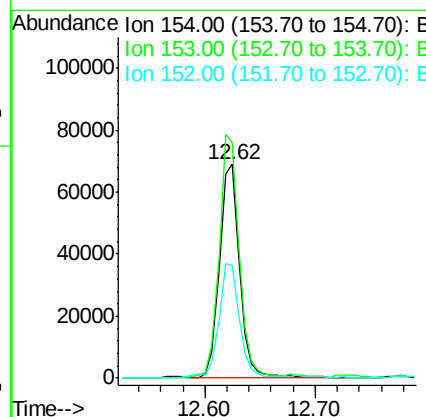
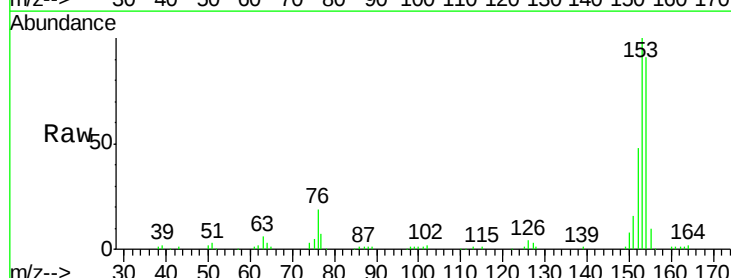
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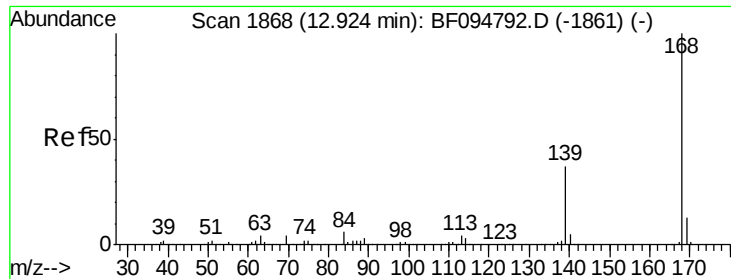
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#51
Acenaphthene
Concen: 8.40 ng
RT: 12.62 min Scan# 1817
Delta R.T. -0.02 min
Lab File: BF094859.D
Acq: 4 May 2017 4:33

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	87671		
153	110.4		90.5	135.7
152	53.1		43.6	65.4





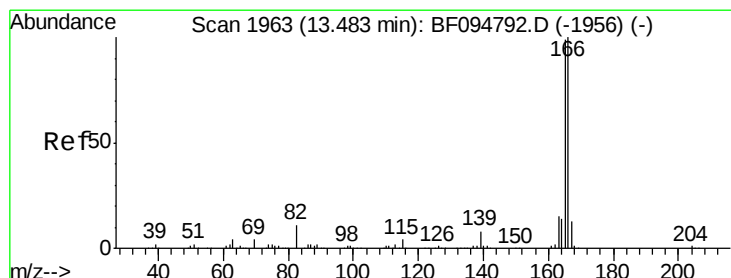
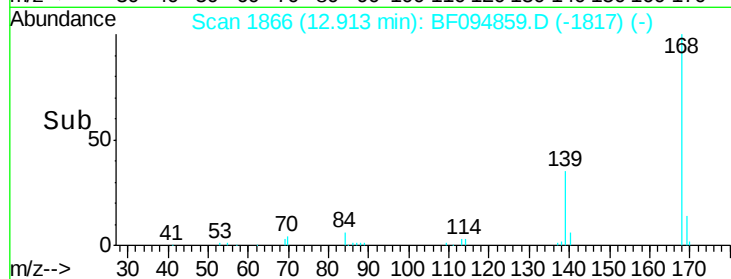
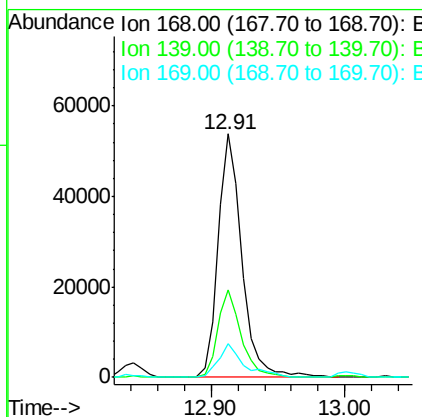
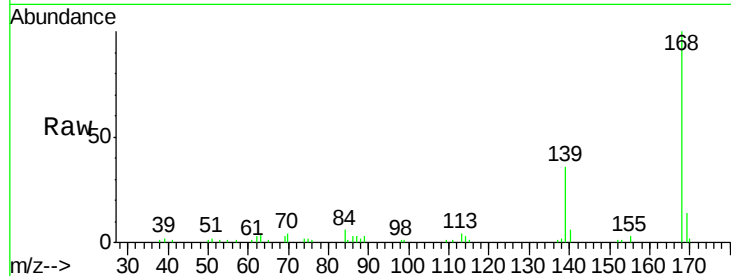
#54
Dibenzenofuran
Concen: 4.68 ng
RT: 12.91 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BF094859.D
Acq: 4 May 2017 4:33

Instrument :
BNA_F
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TP3-COMP(0.5-4.5FT)

Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.8	30.6	45.8
169	13.7	10.8	16.2

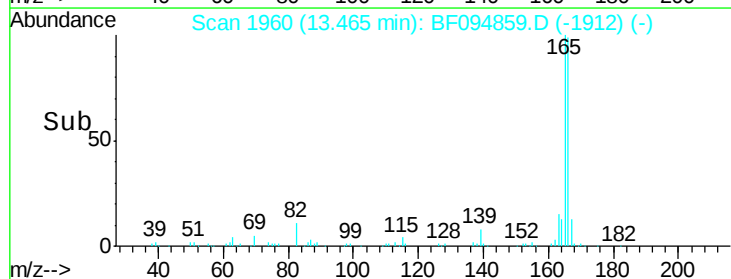
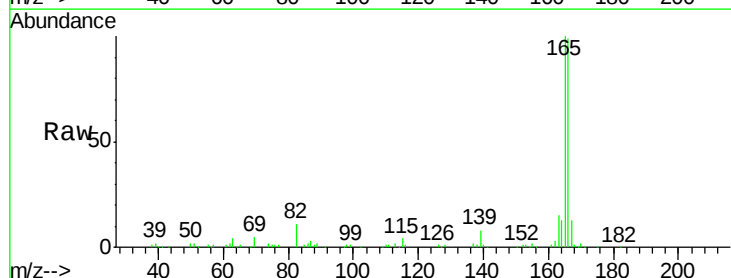
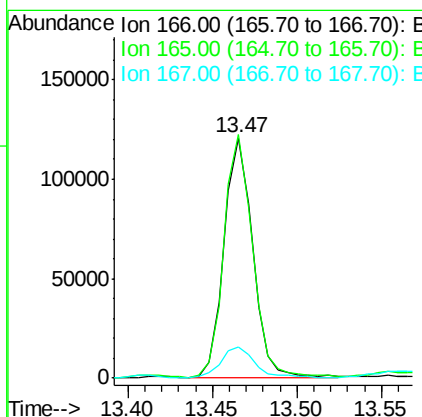
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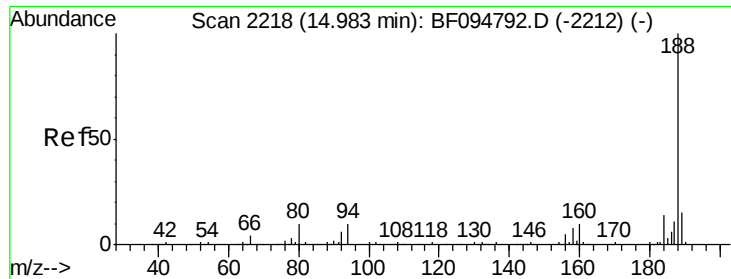
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#57
Fluorene
Concen: 11.52 ng
RT: 13.47 min Scan# 1960
Delta R.T. -0.02 min
Lab File: BF094859.D
Acq: 4 May 2017 4:33

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.3	78.8	118.2
167	12.8	10.6	16.0





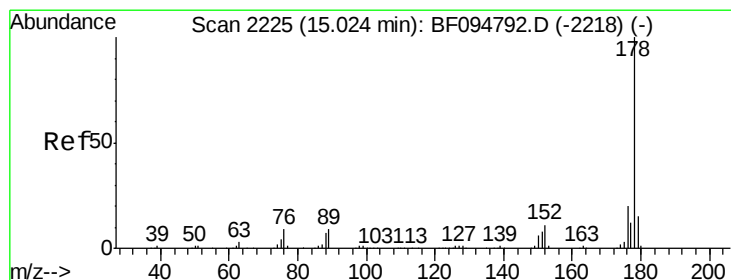
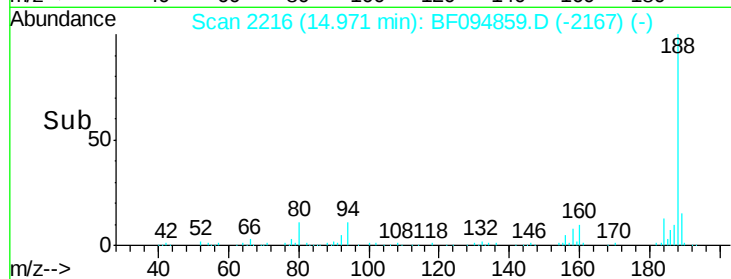
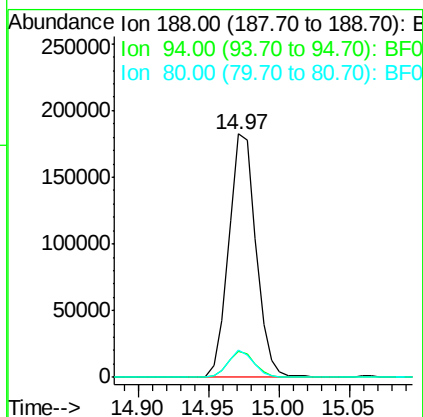
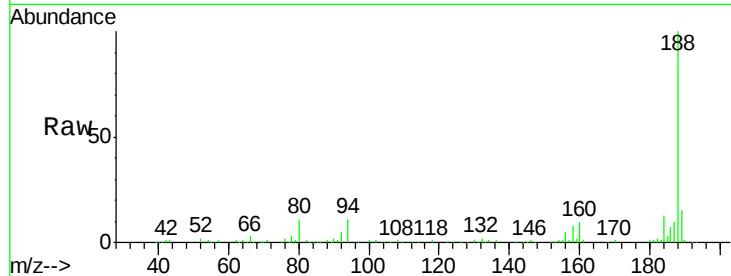
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.97 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF094859.D
Acq: 4 May 2017 4:33

Instrument :
BNA_F
ClientSampleId :
TP3-COMP(0.5-4.5FT)

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	245470		
94	10.5	9.4	14.2	
80	11.4	10.2	15.2	

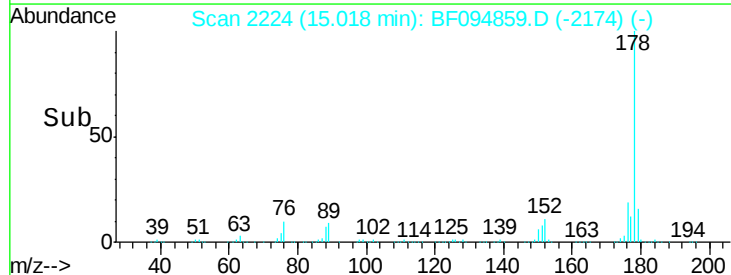
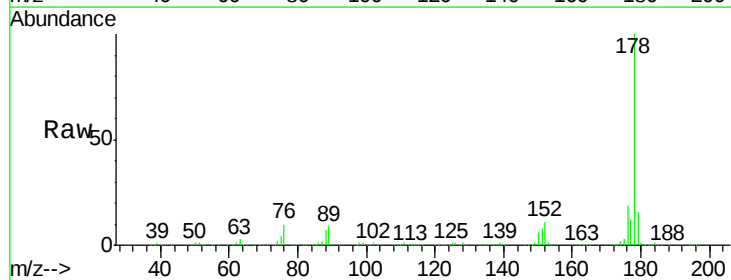
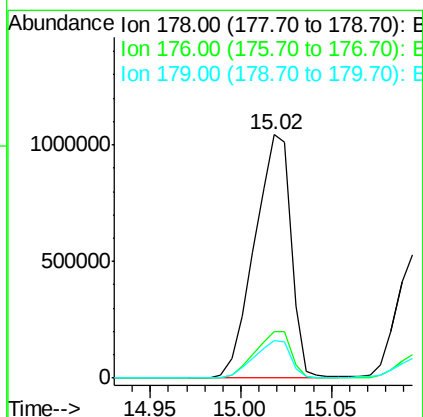
Manual Integrations
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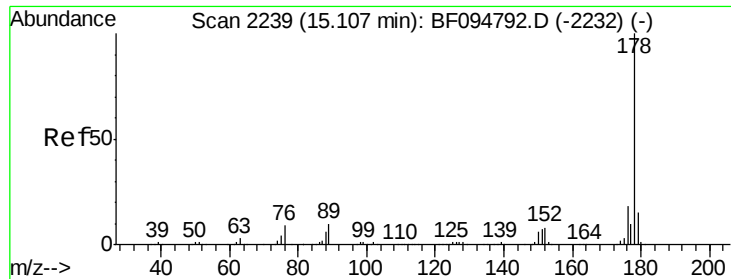
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#70
Phenanthrene
Concen: 103.42 ng
RT: 15.02 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF094859.D
Acq: 4 May 2017 4:33

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1458633		
176	19.2	16.2	24.4	
179	15.5	12.6	19.0	





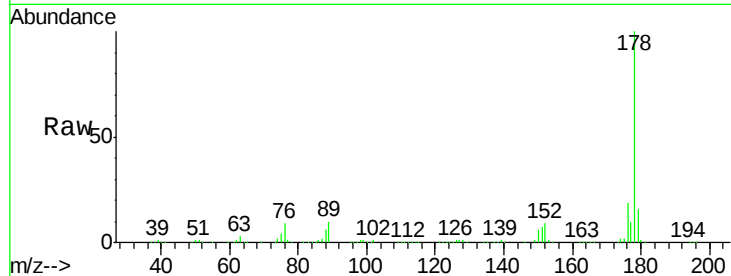
#71
 Anthracene
 Concen: 43.05 ng
 RT: 15.09 min Scan# 2237
 Delta R.T. -0.01 min
 Lab File: BF094859.D
 Acq: 4 May 2017 4:33

Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP(0.5-4.5FT)

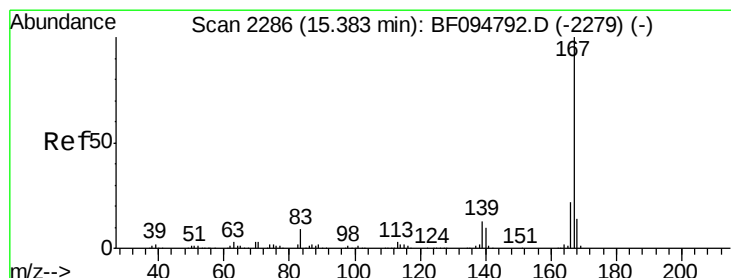
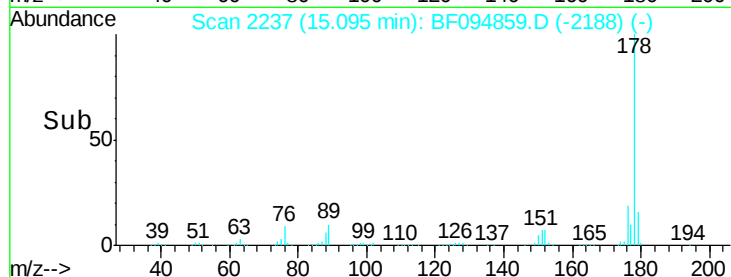
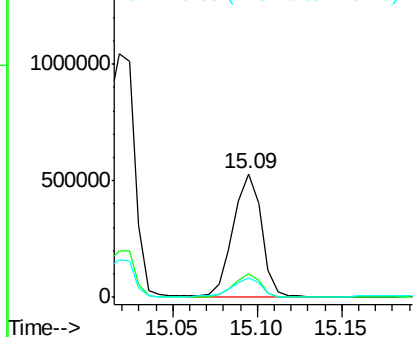
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.9	12.7	19.1

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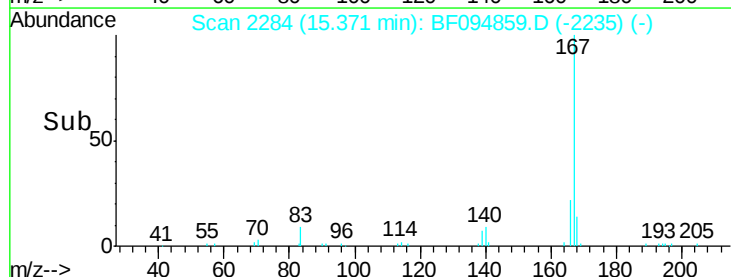
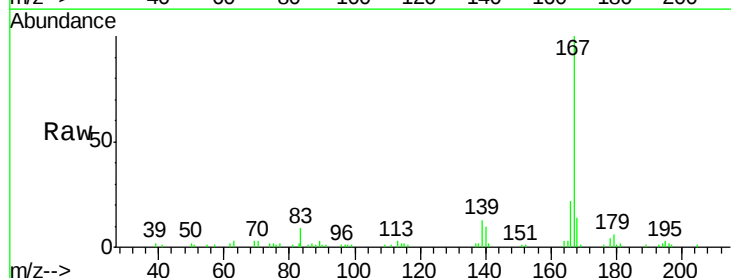
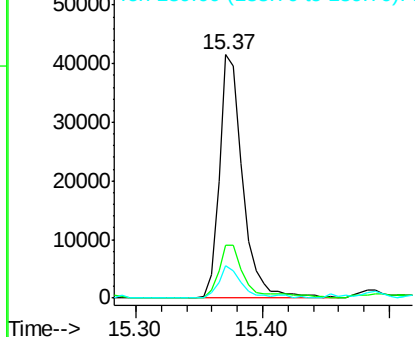
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

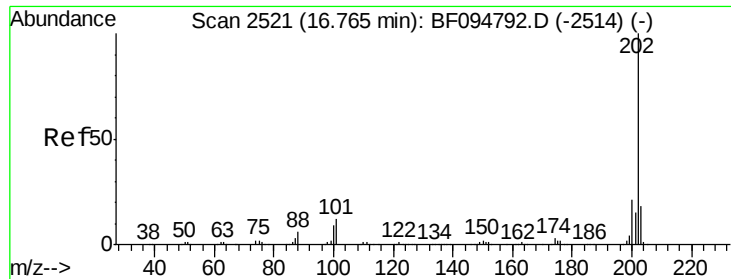


#72
 Carbazole
 Concen: 4.06 ng
 RT: 15.37 min Scan# 2284
 Delta R.T. -0.01 min
 Lab File: BF094859.D
 Acq: 4 May 2017 4:33

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	18.1	27.1
139	13.5	11.7	17.5

Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 186.74 ng

RT: 16.78 min Scan# 2523

Delta R.T. 0.01 min

Lab File: BF094859.D

Acq: 4 May 2017 4:33

Instrument :

BNA_F

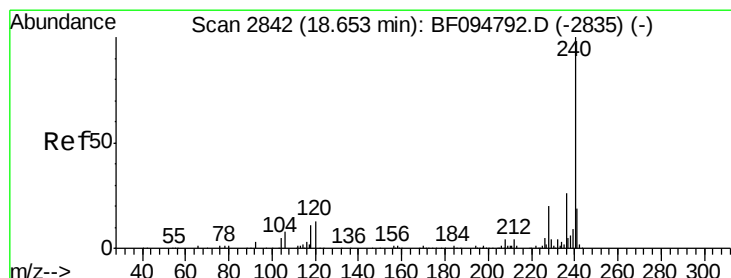
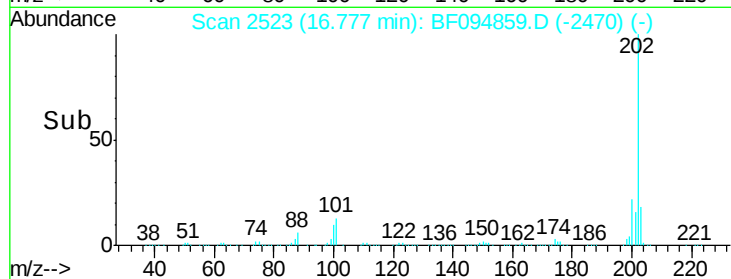
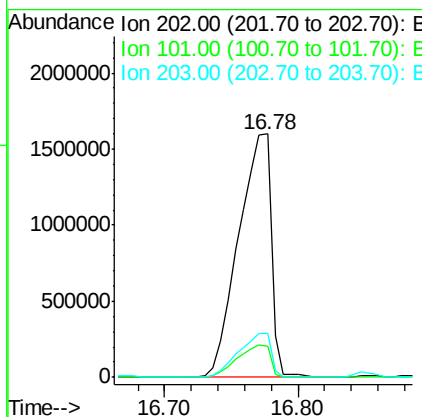
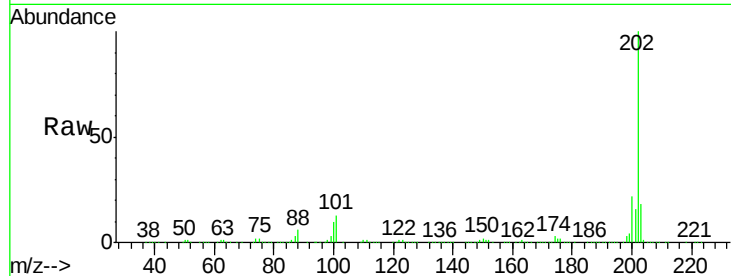
ClientSampleId :

TP3-COMP(0.5-4.5FT)

Tgt Ion:	202	Resp:	2701735
Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.8	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

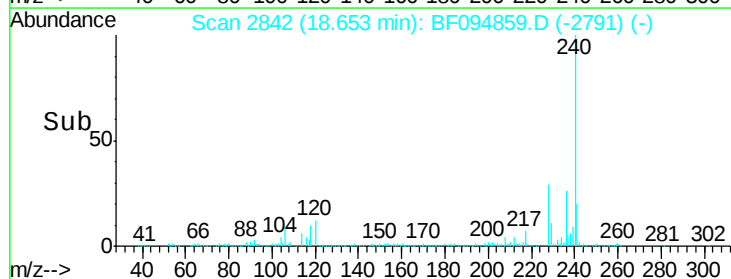
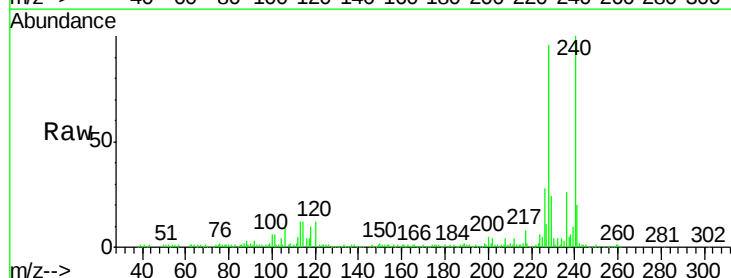
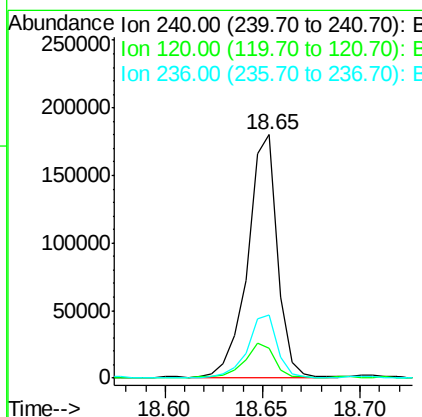
RT: 18.65 min Scan# 2842

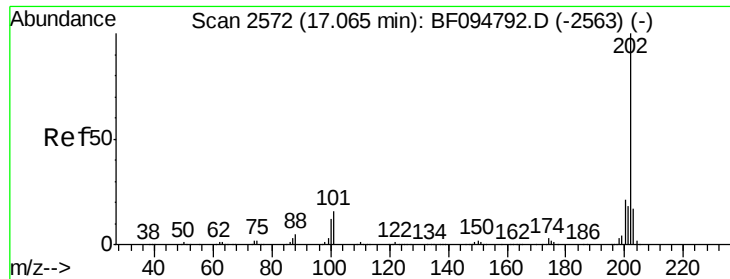
Delta R.T. -0.00 min

Lab File: BF094859.D

Acq: 4 May 2017 4:33

Tgt Ion:	240	Resp:	188958
Ion	Ratio	Lower	Upper
240	100		
120	12.1	5.8	8.8#
236	25.7	20.5	30.7





#77

Pyrene

Concen: 157.34 ng

RT: 17.08 min Scan# 2574

Delta R.T. 0.01 min

Lab File: BF094859.D

Acq: 4 May 2017 4:33

Instrument :

BNA_F

ClientSampleId :

TP3-COMP(0.5-4.5FT)

Tgt Ion: 202 Resp: 2223478

Ion Ratio Lower Upper

202 100

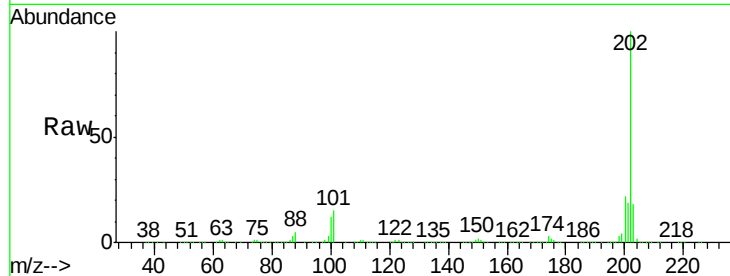
200 21.8 17.6 26.4

203 17.6 14.4 21.6

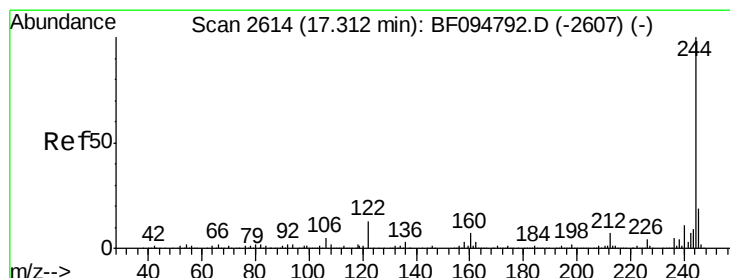
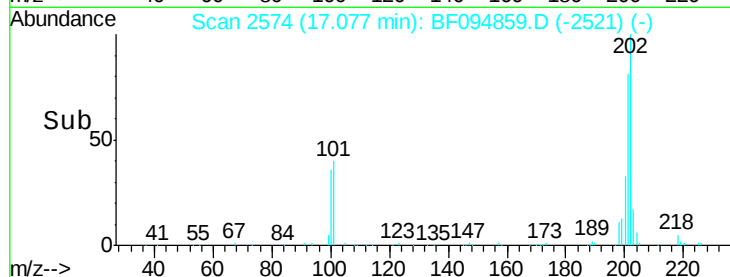
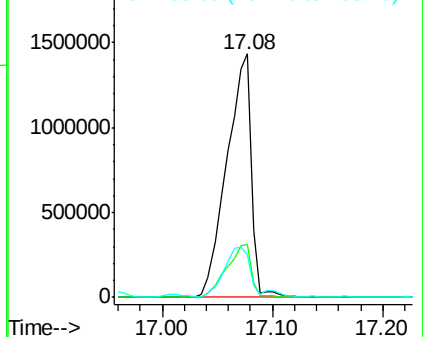
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 42.58 ng

RT: 17.30 min Scan# 2612

Delta R.T. -0.01 min

Lab File: BF094859.D

Acq: 4 May 2017 4:33

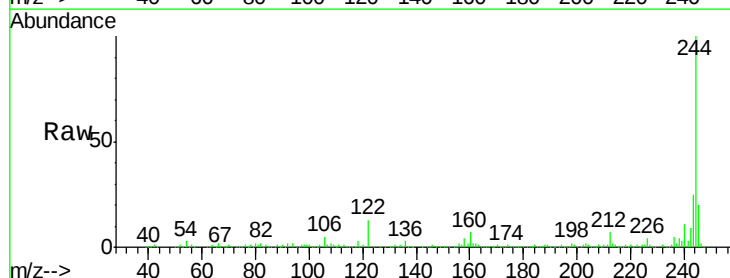
Tgt Ion: 244 Resp: 365265

Ion Ratio Lower Upper

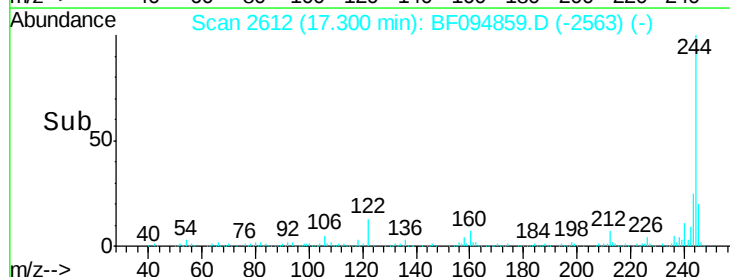
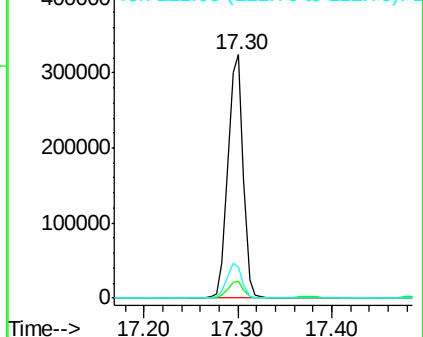
244 100

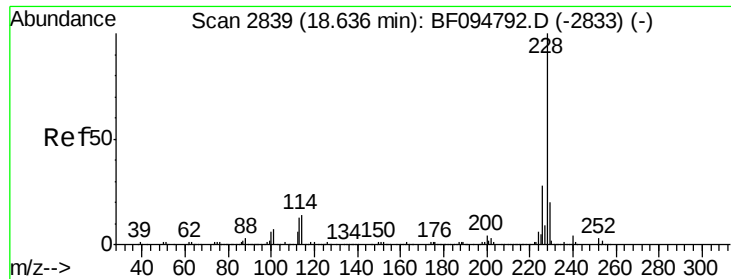
212 7.1 6.0 9.0

122 13.0 10.3 15.5



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





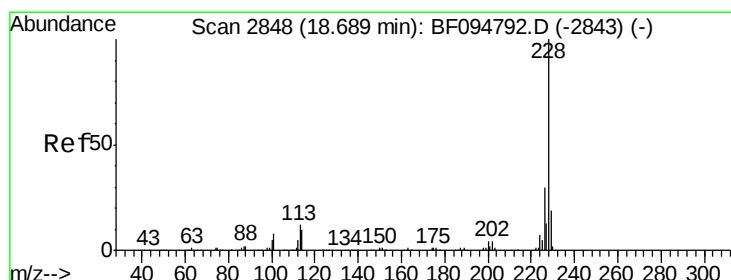
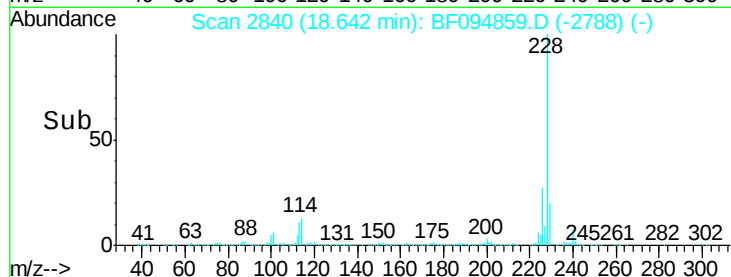
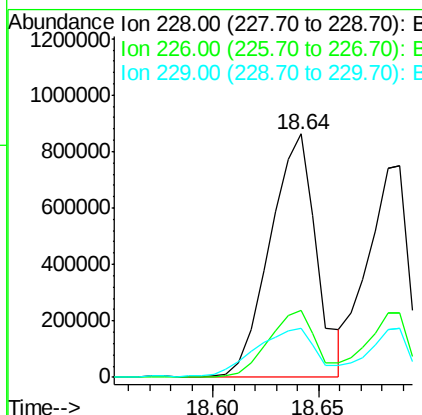
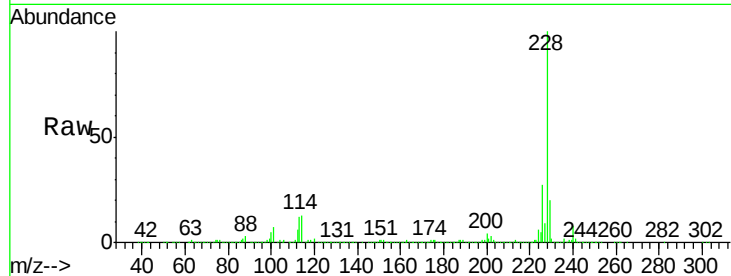
#80
Benzo(a)anthracene
Concen: 119.60 ng
RT: 18.64 min Scan# 2840
Delta R.T. 0.01 min
Lab File: BF094859.D
Acq: 4 May 2017 4:33

Instrument :
BNA_F
ClientSampleId :
TP3-COMP(0.5-4.5FT)

Tgt Ion:228 Resp: 1315237
Ion Ratio Lower Upper
228 100
226 27.5 22.6 33.8
229 20.2 16.3 24.5

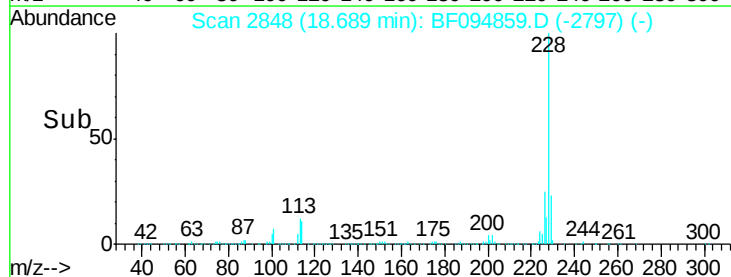
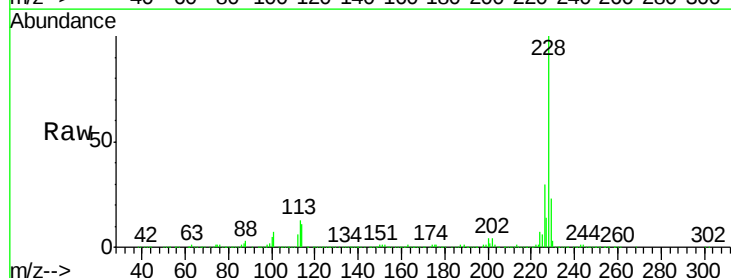
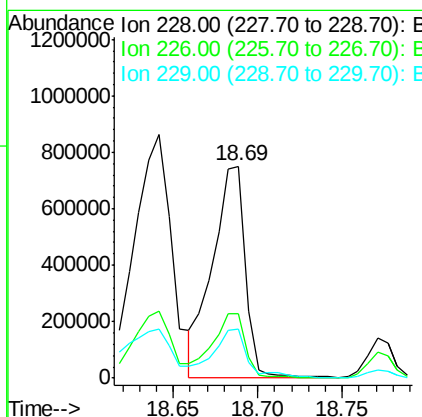
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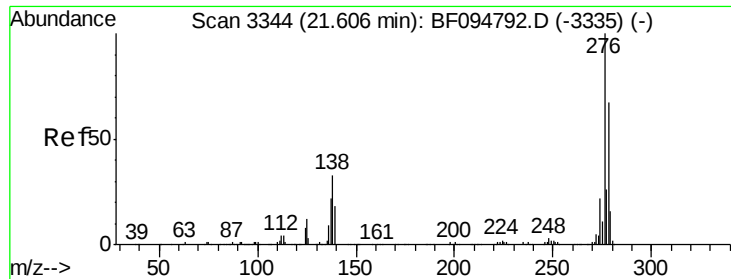
mohammad
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#82
Chrysene
Concen: 94.58 ng
RT: 18.69 min Scan# 2848
Delta R.T. -0.00 min
Lab File: BF094859.D
Acq: 4 May 2017 4:33

Tgt Ion:228 Resp: 1005731
Ion Ratio Lower Upper
228 100
226 30.4 24.9 37.3
229 23.2 15.8 23.6





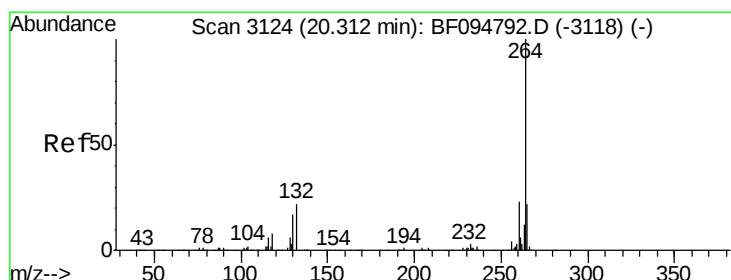
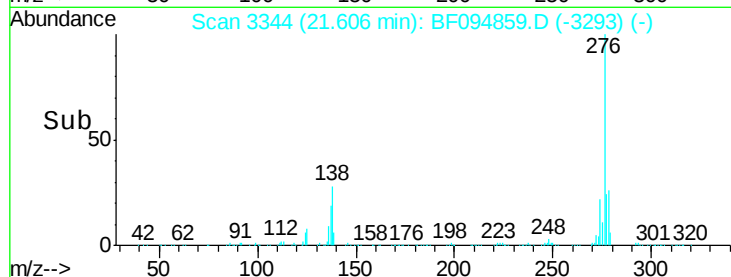
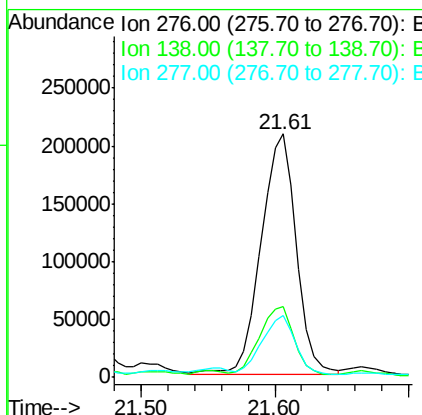
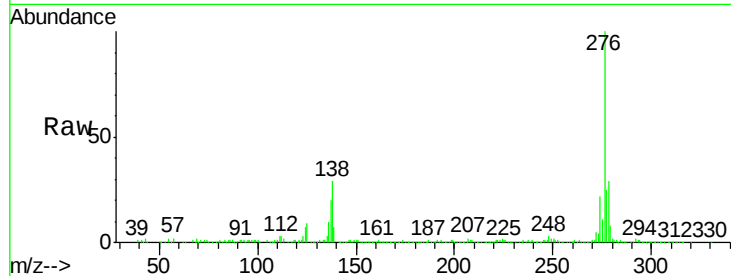
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 43.93 ng
 RT: 21.61 min Scan# 3344
 Delta R.T. -0.00 min
 Lab File: BF094859.D
 Acq: 4 May 2017 4:33

Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP(0.5-4.5FT)

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.1	27.8	41.6
277	24.0	20.2	30.4

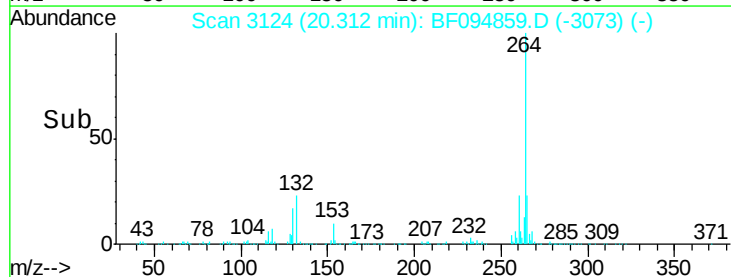
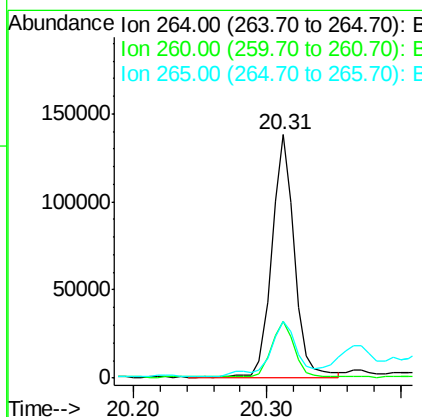
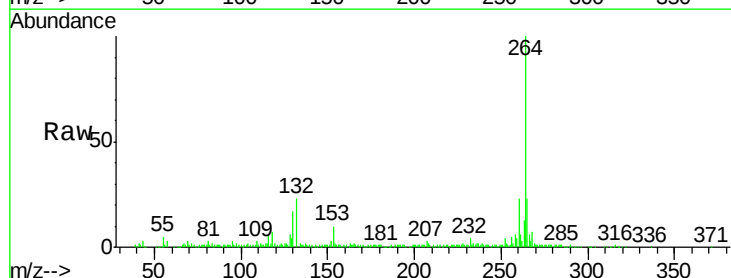
Manual Integrations
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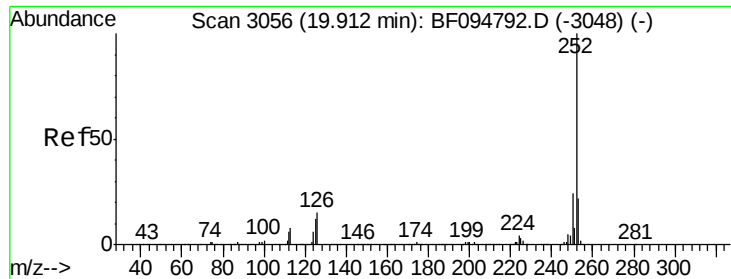
mohammad
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 20.31 min Scan# 3124
 Delta R.T. -0.00 min
 Lab File: BF094859.D
 Acq: 4 May 2017 4:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.5	29.3
265	23.5	17.2	25.8





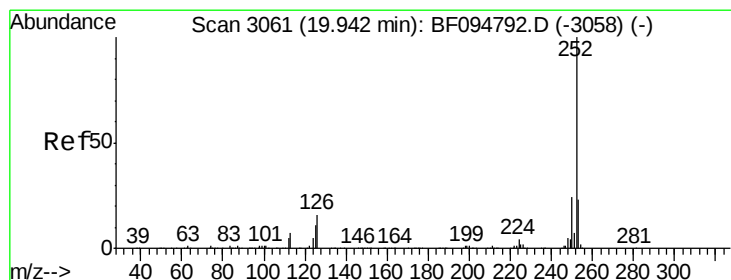
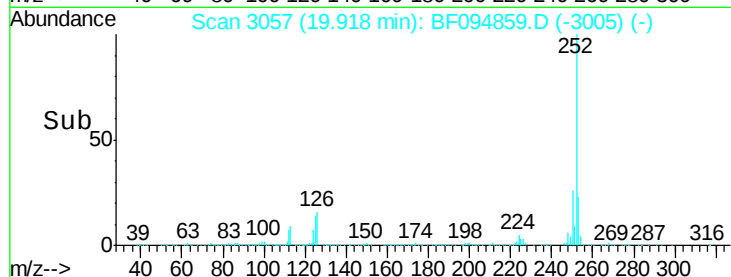
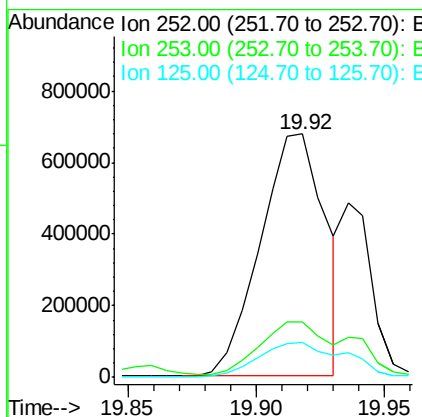
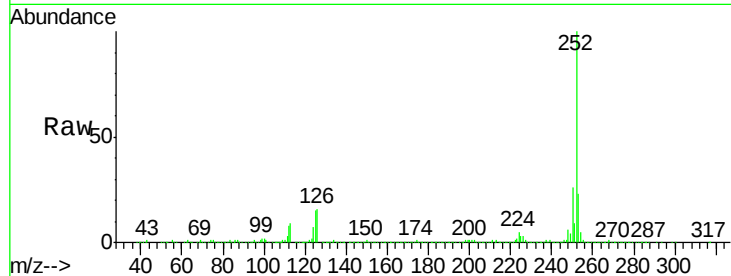
#87
Benzo(b)fluoranthene
Concen: 117.86 ng m
RT: 19.92 min Scan# 3057
Delta R.T. 0.01 min
Lab File: BF094859.D
Acq: 4 May 2017 4:33

Instrument :
BNA_F
ClientSampleId :
TP3-COMP(0.5-4.5FT)

Tgt Ion:252 Resp: 1180627
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 14.6 9.8 14.8

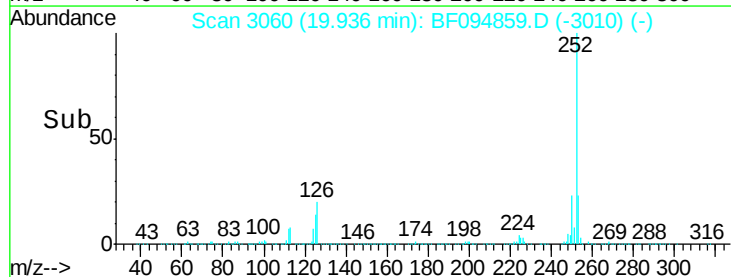
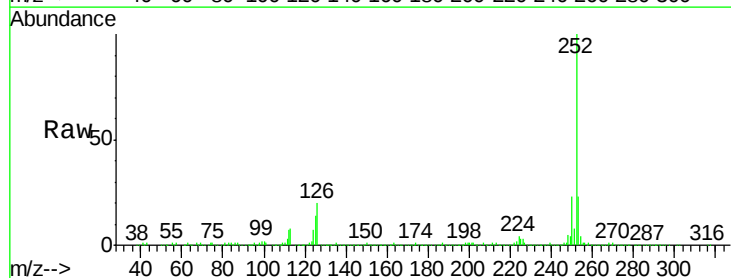
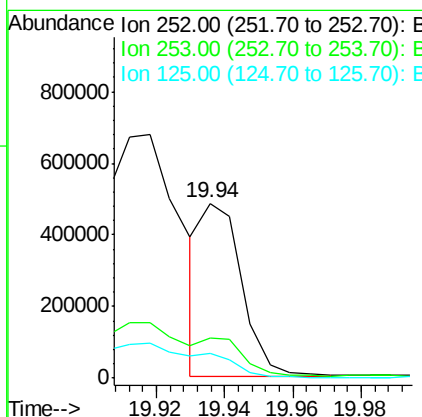
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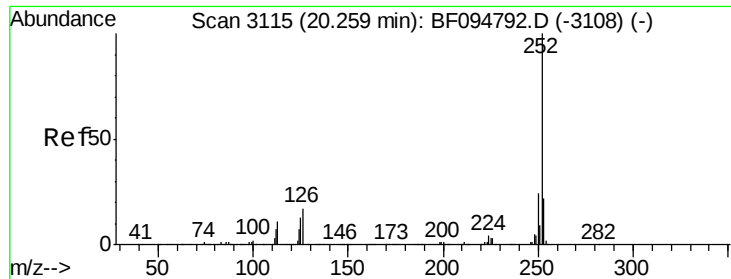
mohammad
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#88
Benzo(k)fluoranthene
Concen: 41.16 ng m
RT: 19.94 min Scan# 3060
Delta R.T. -0.01 min
Lab File: BF094859.D
Acq: 4 May 2017 4:33

Tgt Ion:252 Resp: 397762
Ion Ratio Lower Upper
252 100
253 22.8 18.4 27.6
125 14.0 13.1 19.7





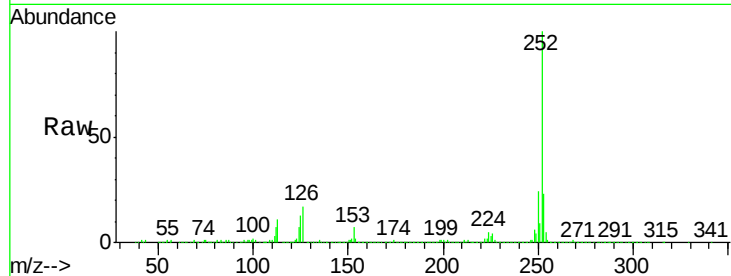
#89
Benzo(a)pyrene
Concen: 89.44 ng
RT: 20.26 min Scan# 3116
Delta R.T. 0.01 min
Lab File: BF094859.D
Acq: 4 May 2017 4:33

Instrument :
BNA_F
ClientSampleId :
TP3-COMP(0.5-4.5FT)

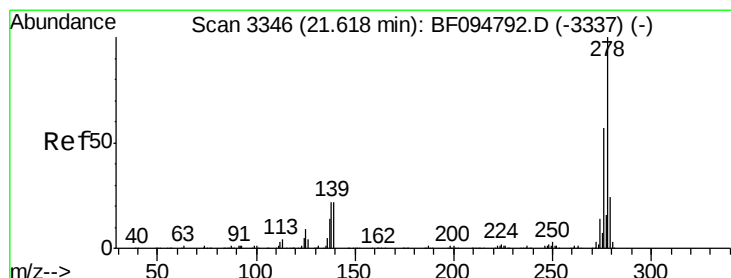
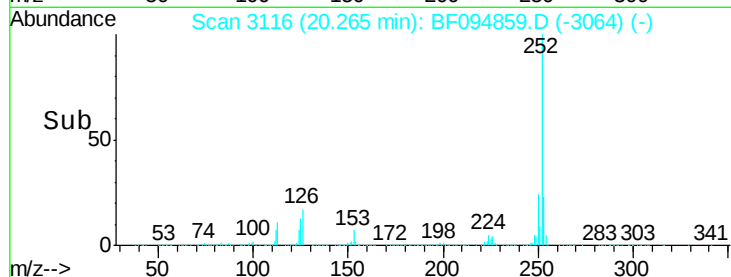
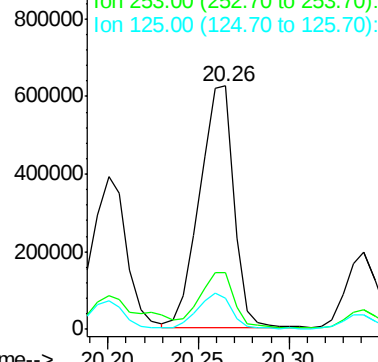
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	12.8	11.0	16.4

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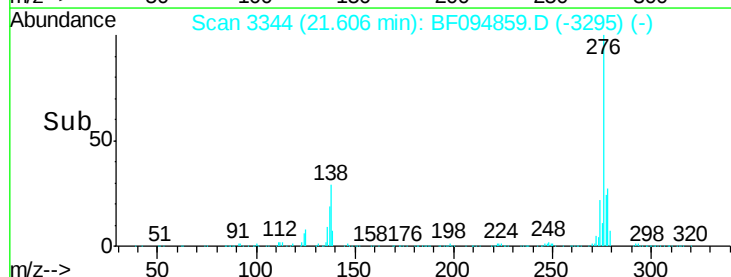
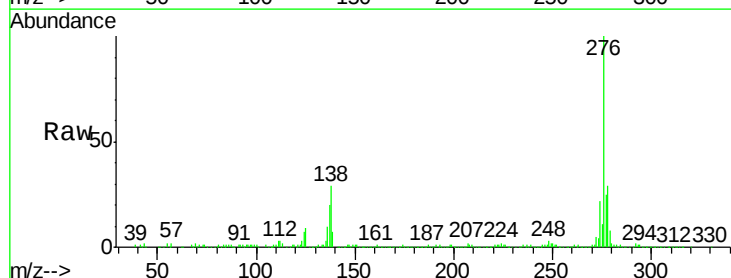
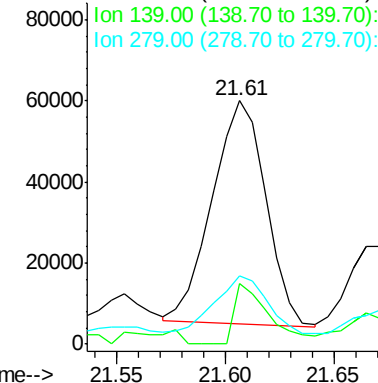
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

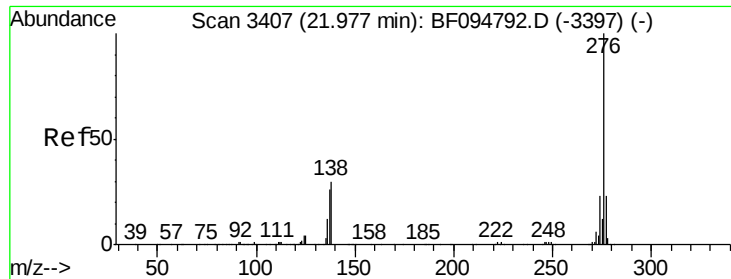


#90
Dibenzo(a,h)anthracene
Concen: 12.50 ng m
RT: 21.61 min Scan# 3344
Delta R.T. -0.01 min
Lab File: BF094859.D
Acq: 4 May 2017 4:33

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.0	16.6	24.8#
279	27.8	19.3	28.9

Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





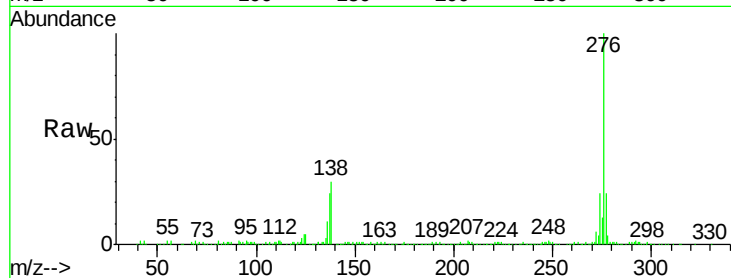
#91
 Benzo(g,h,i)perylene
 Concen: 45.95 ng
 RT: 21.98 min Scan# 3408
 Delta R.T. 0.01 min
 Lab File: BF094859.D
 Acq: 4 May 2017 4:33

Instrument :
 BNA_F
 ClientSampleId :
 TP3-COMP(0.5-4.5FT)

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	29.6	25.4	38.0

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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

