

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041017\
 Data File : BF094345.D
 Acq On : 11 Apr 2017 8:16
 Operator : SJ/MA
 Sample : I2601-01
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-31-S1(6-8)

Manual Integrations
 APPROVED

mohammad
 4/11/2017 12:53:41 PM

Quant Time: Apr 11 08:53:51 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 06 13:20:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.83	152	167408	20.00	ng	-0.02
21) Naphthalene-d8	7.34	136	650864	20.00	ng	-0.02
38) Acenaphthene-d10	9.47	164	279826	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	450004	20.00	ng	-0.02
75) Chrysene-d12	14.55	240	323518	20.00	ng	-0.02
86) Perylene-d12	16.18	264	271815	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.40	112	1305058	131.67	ng	0.01
7) Phenol-d6	5.47	99	1688357	137.69	ng	0.01
23) Nitrobenzene-d5	6.49	82	1040926	91.27	ng	-0.02
41) 2,4,6-Tribromophenol	10.46	330	309013	139.75	ng	-0.02
44) 2-Fluorobiphenyl	8.66	172	1602919	87.37	ng	-0.02
78) Terphenyl-d14	13.28	244	1027193	71.17	ng	-0.02
Target Compounds						
10) Phenol	5.49	94	121329	8.70	ng	86
49) Dimethylphthalate	9.16	163	220095	11.06	ng	98
74) Fluoranthene	12.79	202	109858	4.29	ng	99
77) Pyrene	13.06	202	123202	5.25	ng	98
80) Benzo(a)anthracene	14.54	228	65536	3.47	ng	95
82) Chrysene	14.58	228	119194	6.81	ng	95
85) Indeno(1,2,3-cd)pyrene	17.49	276	45743	3.02	ng	95
87) Benzo(b)fluoranthene	15.77	252	147725m	8.87	ng	
88) Benzo(k)fluoranthene	15.80	252	38965m	2.39	ng	
89) Benzo(a)pyrene	16.12	252	64814	4.22	ng	98
91) Benzo(g,h,i)perylene	17.87	276	40459	3.09	ng	93

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

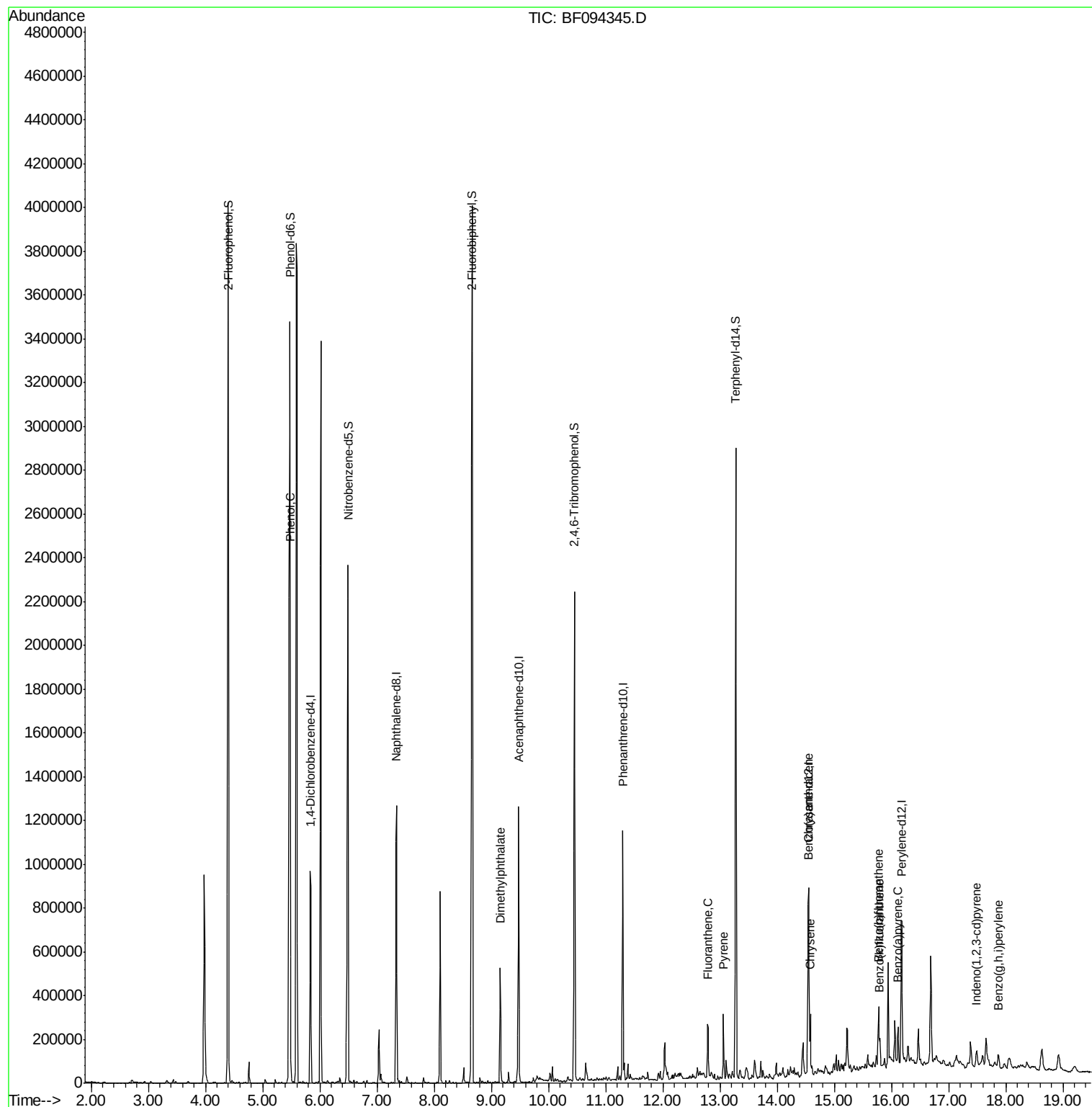
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041017\
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Misc :
ALS Vial : 42 Sample Multiplier: 1

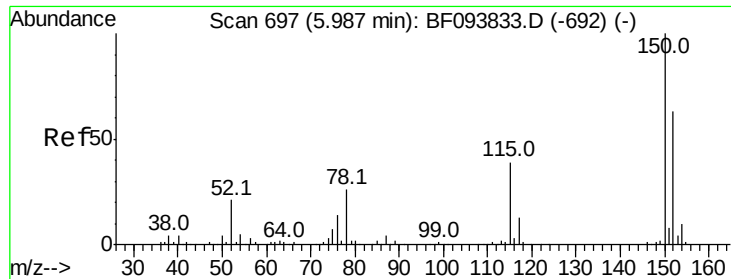
Instrument :
BNA_F
ClientSampleId :
B-31-S1(6-8)

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#1

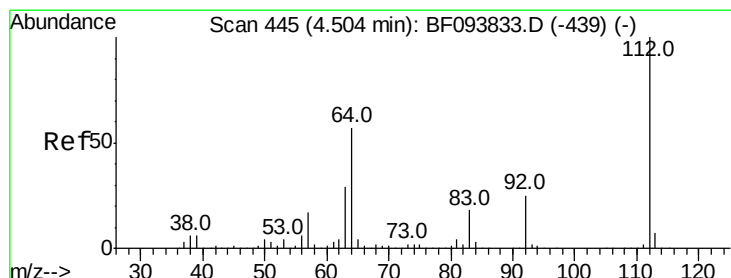
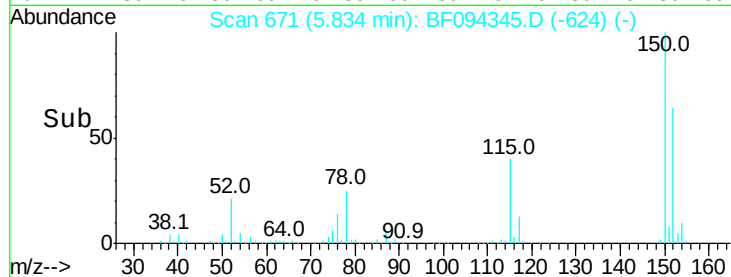
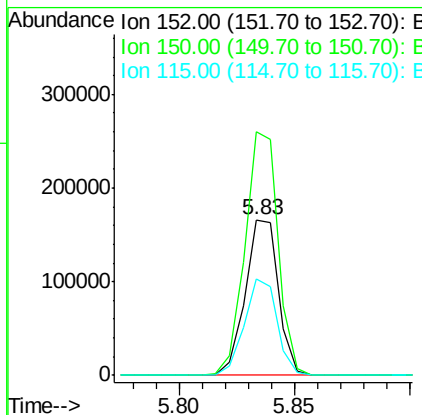
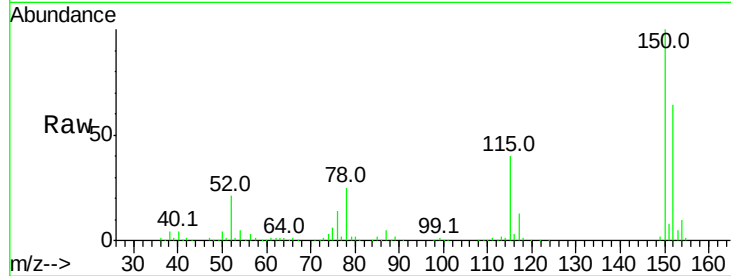
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.83 min Scan# 671
 Delta R.T. -0.02 min
 Lab File: BF094345.D
 Acq: 11 Apr 2017 8:16

Instrument :
 BNA_F
 ClientSampleId :
 B-31-S1(6-8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.2	189.2
115	62.0	52.2	78.2

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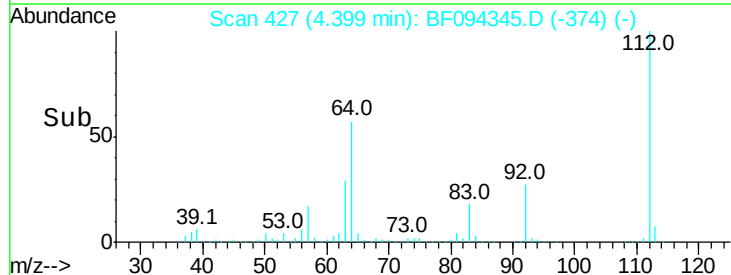
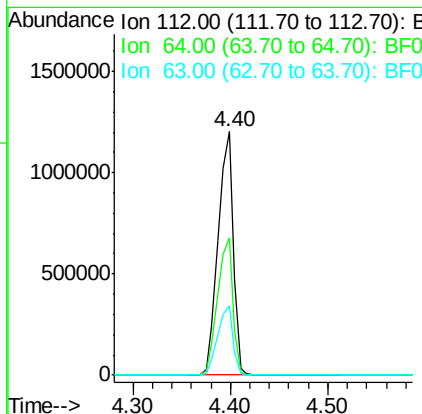
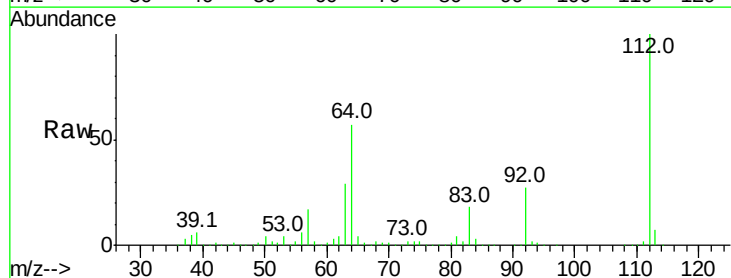
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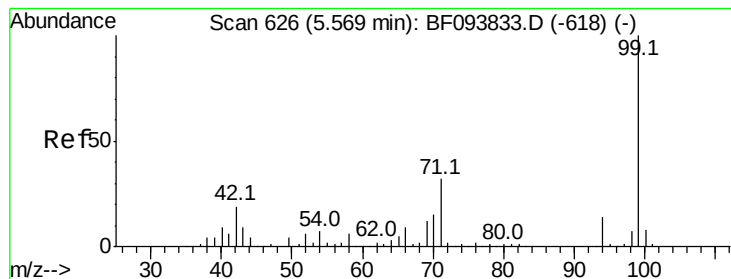


#5

2-Fluorophenol
 Concen: 131.67 ng
 RT: 4.40 min Scan# 427
 Delta R.T. 0.01 min
 Lab File: BF094345.D
 Acq: 11 Apr 2017 8:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	46.0	69.0
63	28.7	23.4	35.0





#7

Phenol-d6

Concen: 137.69 ng

RT: 5.47 min Scan# 610

Delta R.T. 0.01 min

Lab File: BF094345.D

Acq: 11 Apr 2017 8:16

Instrument :

BNA_F

ClientSampleId :

B-31-S1(6-8)

Tot Ion: 99 Resp: 1688357

Ion Ratio Lower Upper

99 100

42 17.6 13.5 20.3

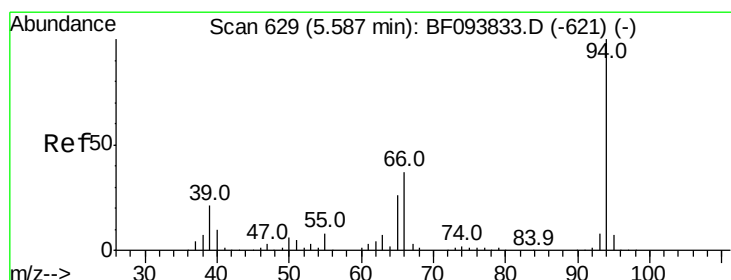
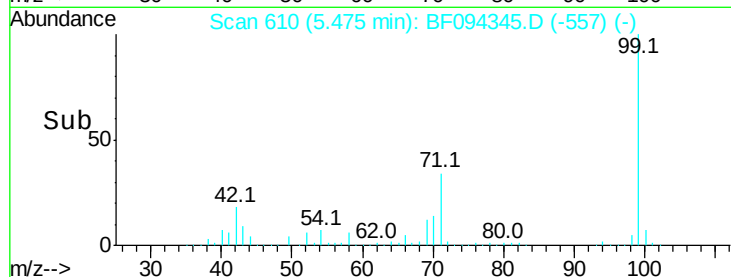
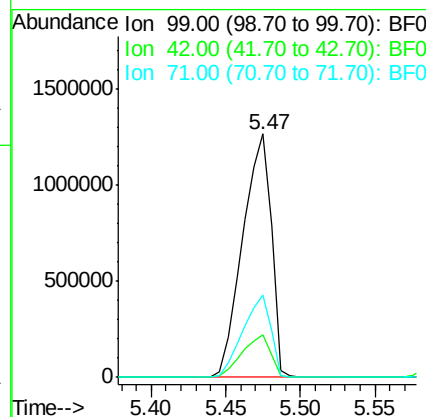
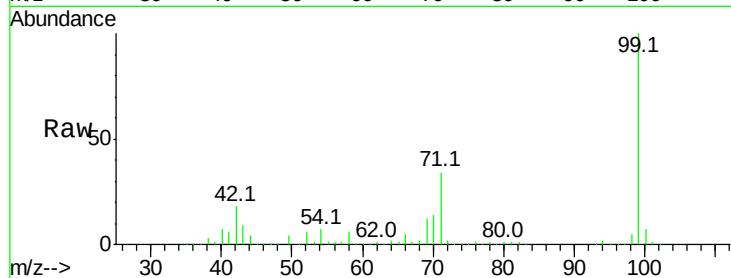
71 34.0 24.5 36.7

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#10

Phenol

Concen: 8.70 ng

RT: 5.49 min Scan# 612

Delta R.T. 0.01 min

Lab File: BF094345.D

Acq: 11 Apr 2017 8:16

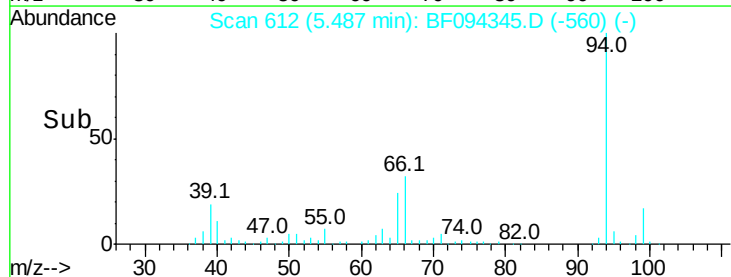
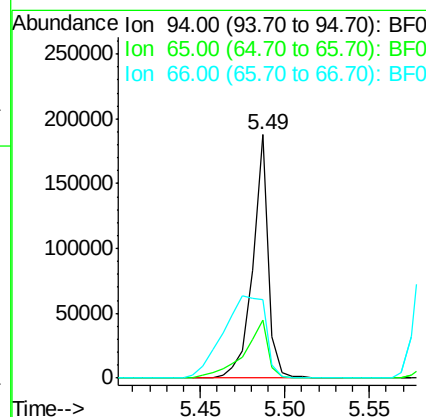
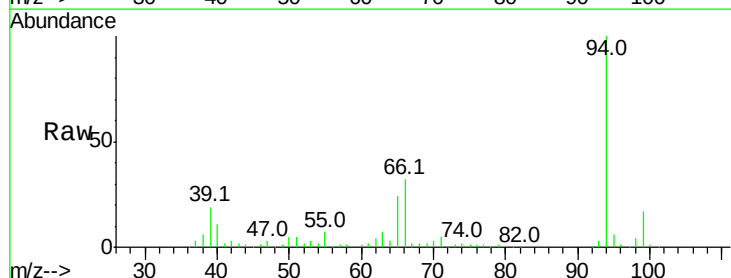
Tgt Ion: 94 Resp: 121329

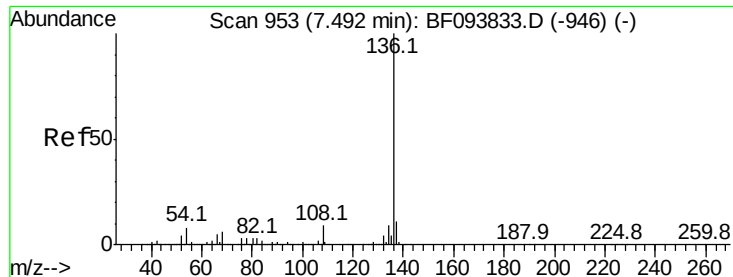
Ion Ratio Lower Upper

94 100

65 23.8 9.9 49.9

66 32.4 23.1 63.1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.34 min Scan# 927

Delta R.T. -0.02 min

Lab File: BF094345.D

Acq: 11 Apr 2017 8:16

Instrument :

BNA_F

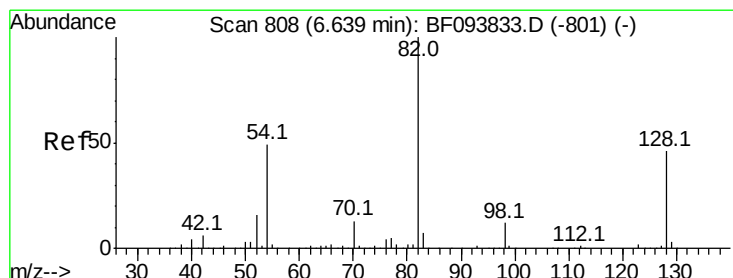
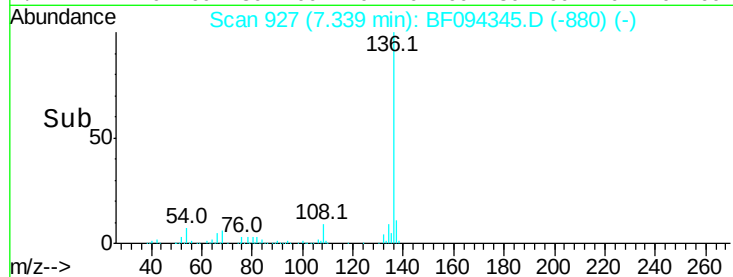
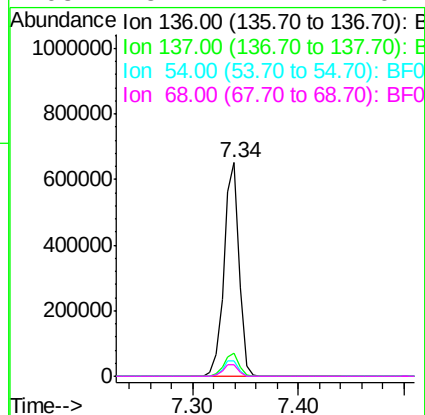
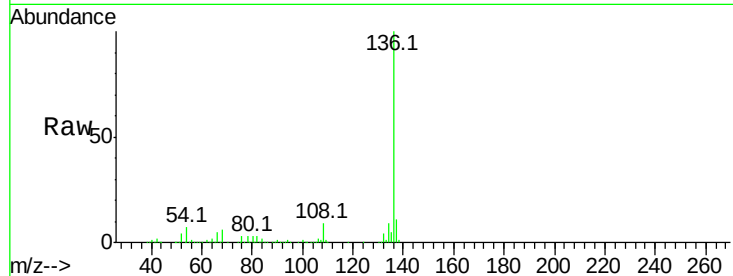
ClientSampleId :

B-31-S1(6-8)

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.0	8.5	12.7
54	7.4	4.9	7.3#
68	5.7	4.1	6.1

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#23

Nitrobenzene-d5

Concen: 91.27 ng

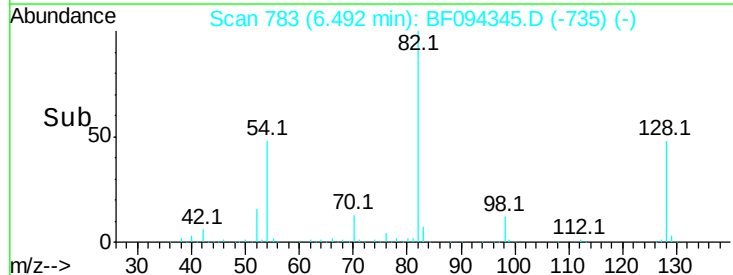
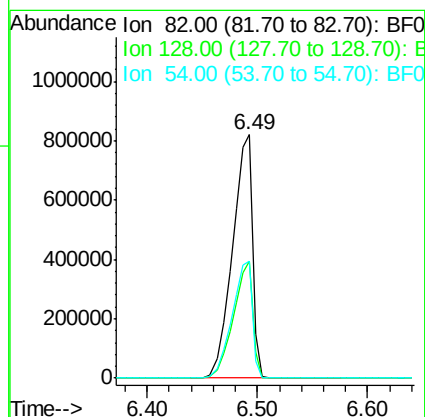
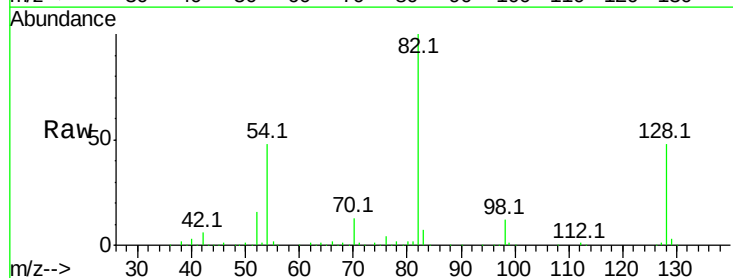
RT: 6.49 min Scan# 783

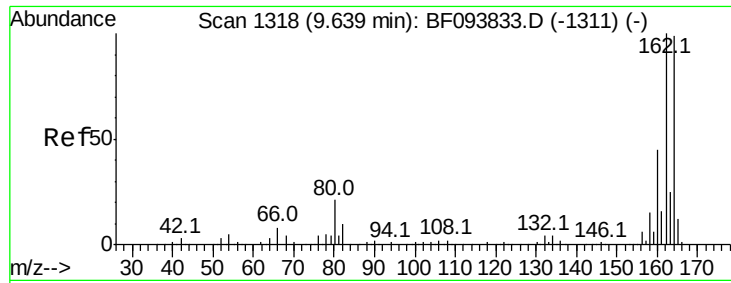
Delta R.T. -0.02 min

Lab File: BF094345.D

Acq: 11 Apr 2017 8:16

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	48.0	34.0	51.0
54	48.2	42.2	63.2





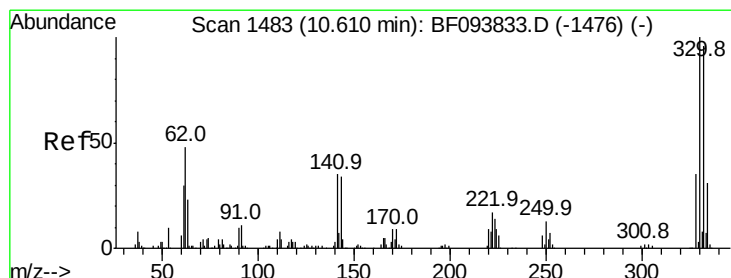
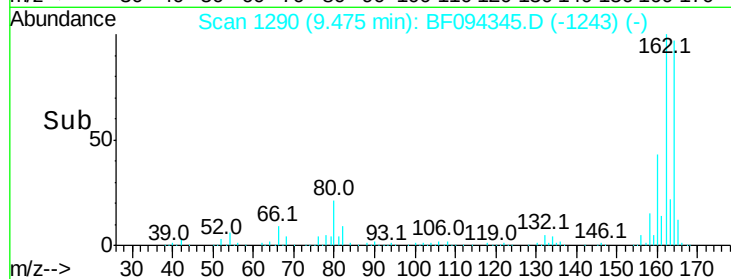
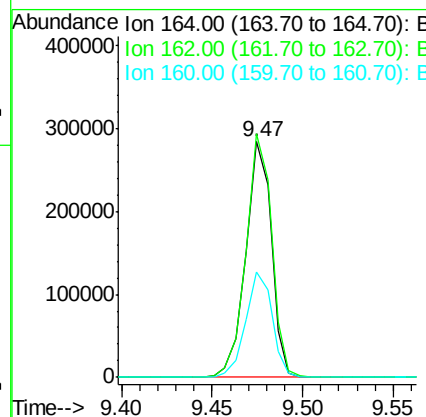
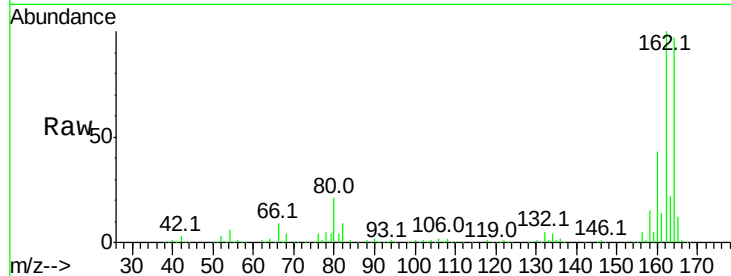
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.47 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: BF094345.D
 Acq: 11 Apr 2017 8:16

Instrument :
 BNA_F
 ClientSampleId :
 B-31-S1(6-8)

Tot Ion:	164	Resp:	279826
Ion Ratio	Lower	Upper	
164	100		
162	103.4	82.6	123.8
160	44.7	36.2	54.2

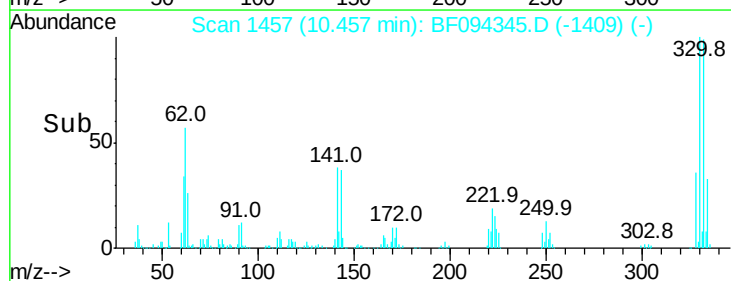
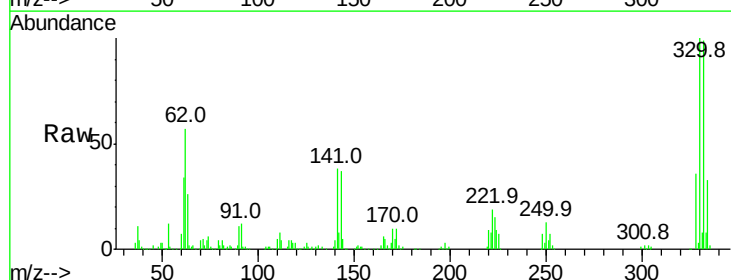
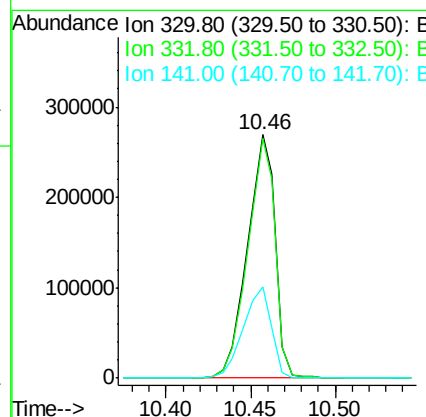
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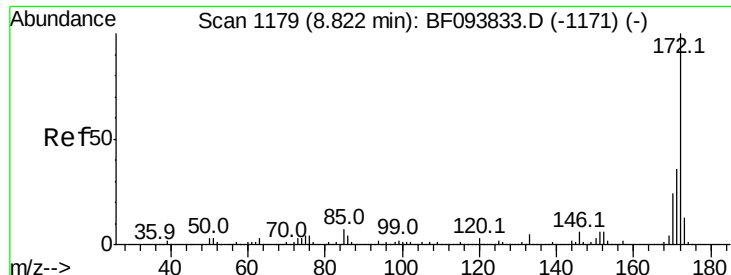
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#41
 2,4,6-Tribromophenol
 Concen: 139.75 ng
 RT: 10.46 min Scan# 1457
 Delta R.T. -0.02 min
 Lab File: BF094345.D
 Acq: 11 Apr 2017 8:16

Tgt Ion:	330	Resp:	309013
Ion Ratio	Lower	Upper	
330	100		
332	97.5	76.6	115.0
141	38.3	31.4	47.2





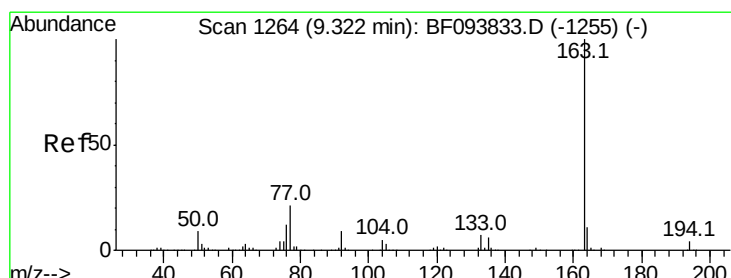
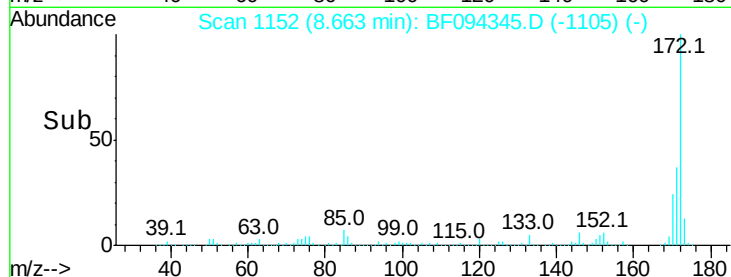
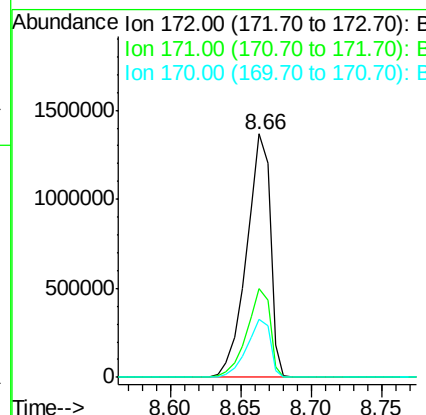
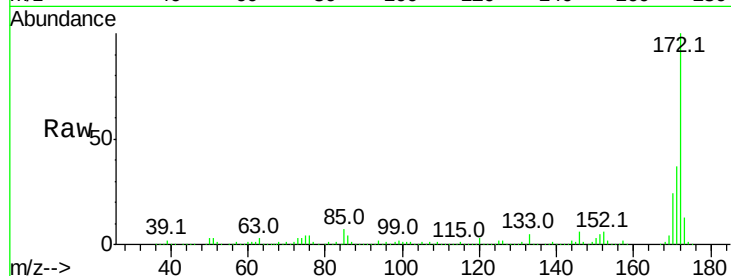
#44
2-Fluorobiphenyl
Concen: 87.37 ng
RT: 8.66 min Scan# 1152
Delta R.T. -0.02 min
Lab File: BF094345.D
Acq: 11 Apr 2017 8:16

Instrument :
BNA_F
ClientSampleId :
B-31-S1(6-8)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.6	44.4
170	23.8	19.8	29.8

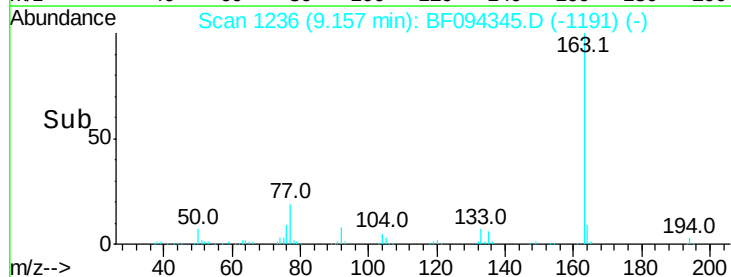
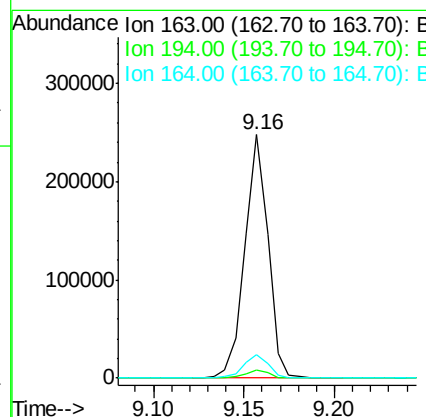
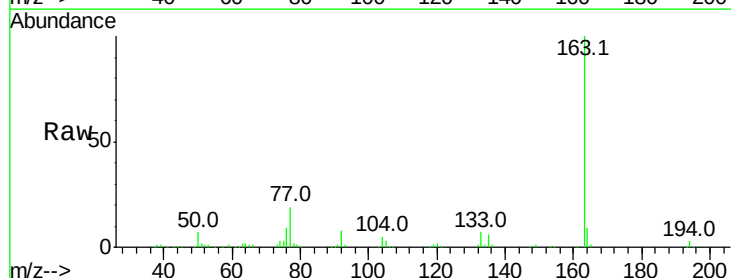
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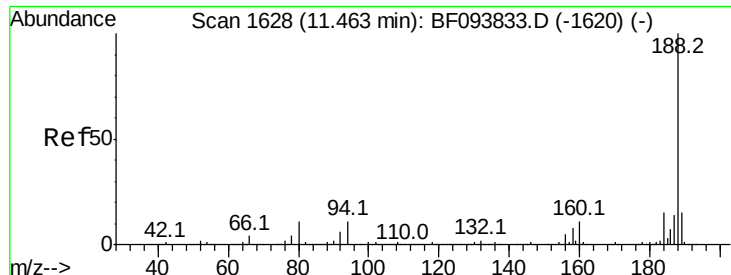
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#49
Dimethylphthalate
Concen: 11.06 ng
RT: 9.16 min Scan# 1236
Delta R.T. -0.04 min
Lab File: BF094345.D
Acq: 11 Apr 2017 8:16

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	9.5	8.4	12.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.30 min Scan# 1600

Delta R.T. -0.02 min

Lab File: BF094345.D

Acq: 11 Apr 2017 8:16

Instrument :

BNA_F

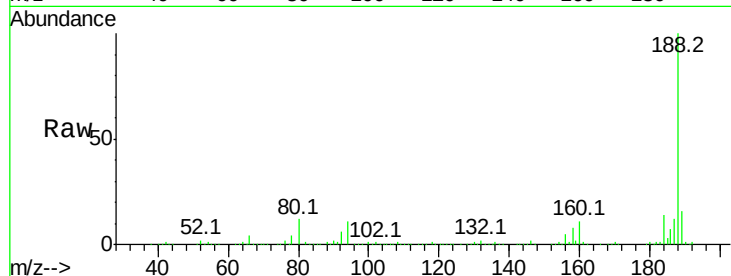
ClientSampleId :

B-31-S1(6-8)

Tot Ion:	188	Resp:	450004
Ion Ratio	Lower	Upper	
188	100		
94	10.6	9.4	14.2
80	12.0	10.2	15.2

Manual Integrations
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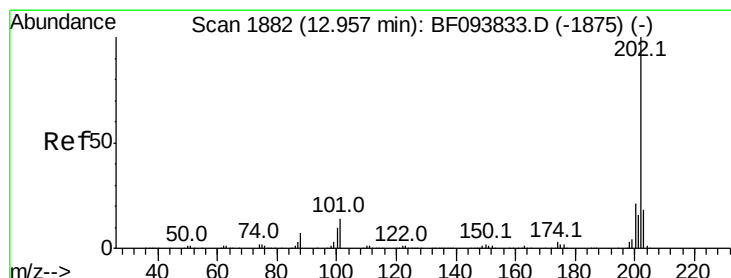
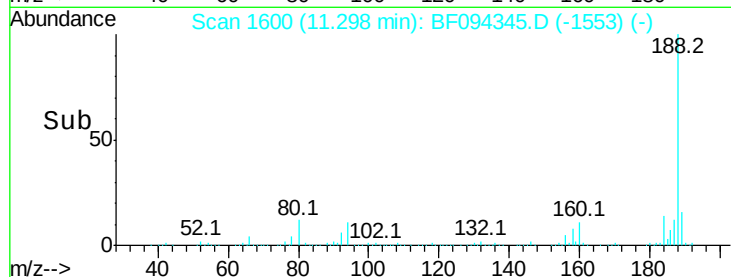
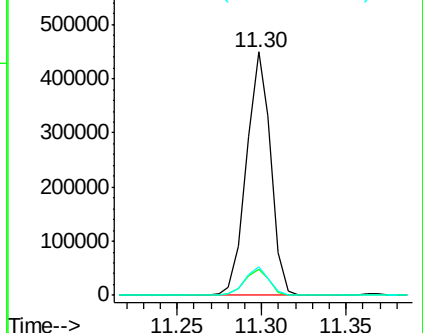
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#74

Fluoranthene

Concen: 4.29 ng

RT: 12.79 min Scan# 1853

Delta R.T. -0.03 min

Lab File: BF094345.D

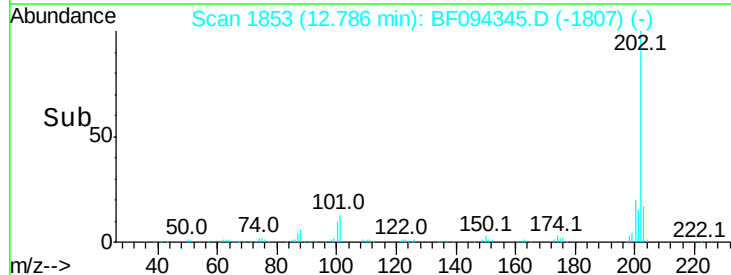
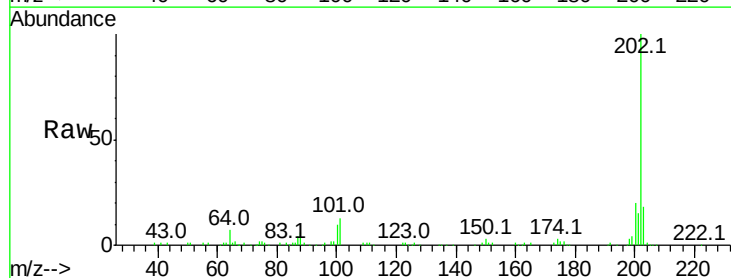
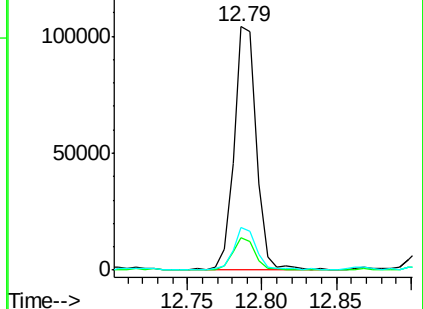
Acq: 11 Apr 2017 8:16

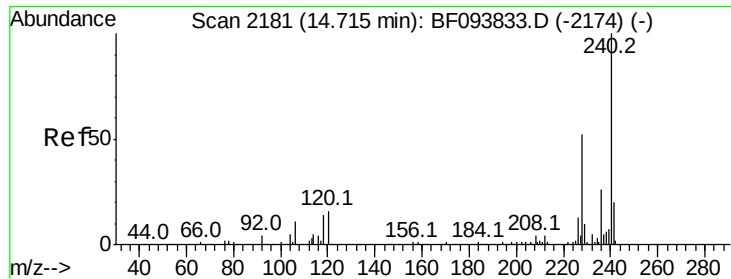
Tgt Ion:	202	Resp:	109858
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	33.2
203	17.6	0.0	38.1

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: 14.55 min Scan# 2153

Delta R.T. -0.02 min

Lab File: BF094345.D

Acq: 11 Apr 2017 8:16

Instrument :

BNA_F

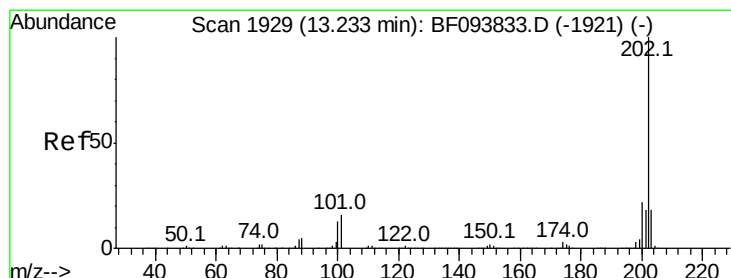
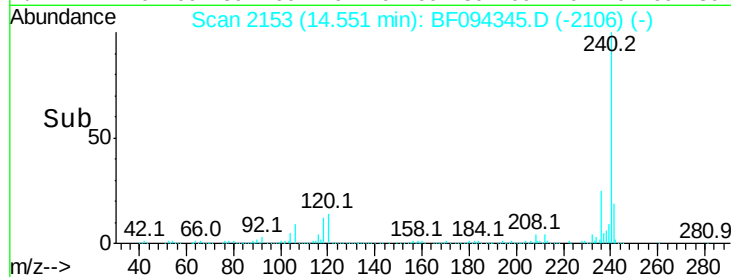
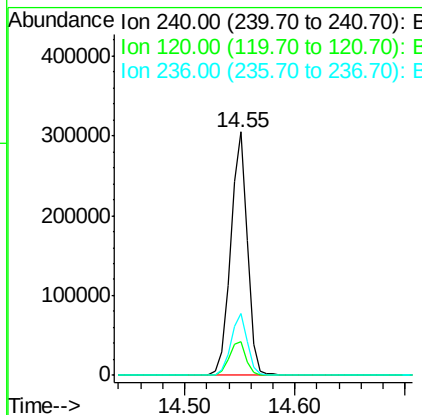
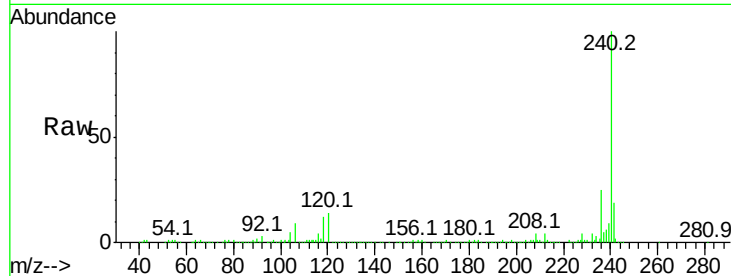
ClientSampleId :

B-31-S1(6-8)

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	13.9	5.8	8.8#	
236	25.3	20.5	30.7	

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#77

Pyrene

Concen: 5.25 ng

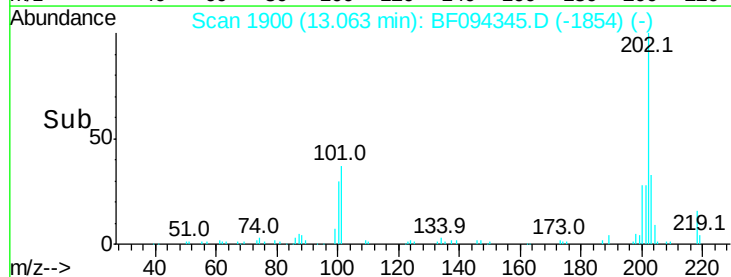
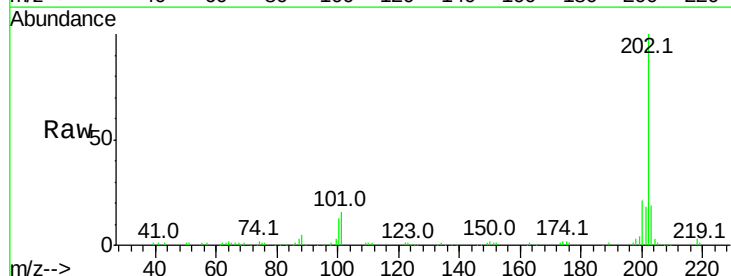
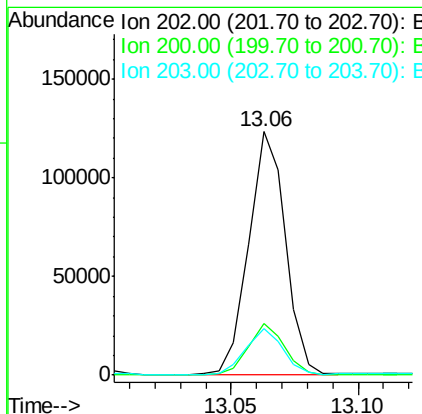
RT: 13.06 min Scan# 1900

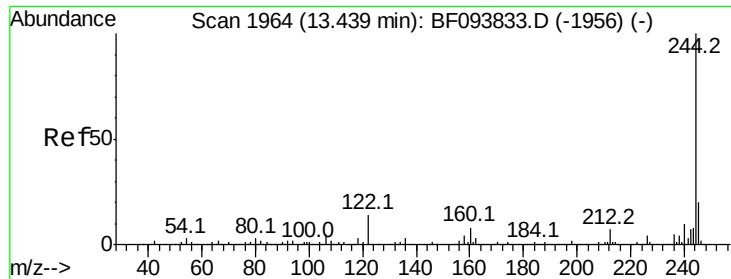
Delta R.T. -0.03 min

Lab File: BF094345.D

Acq: 11 Apr 2017 8:16

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.3	17.6	26.4	
203	19.2	14.4	21.6	





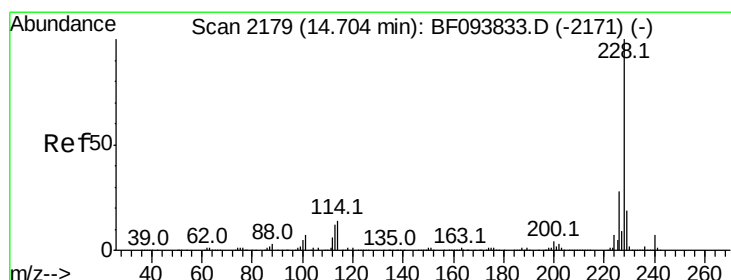
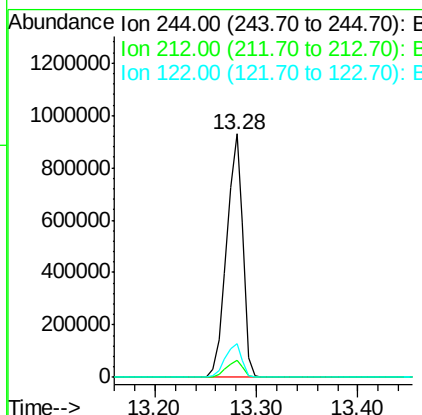
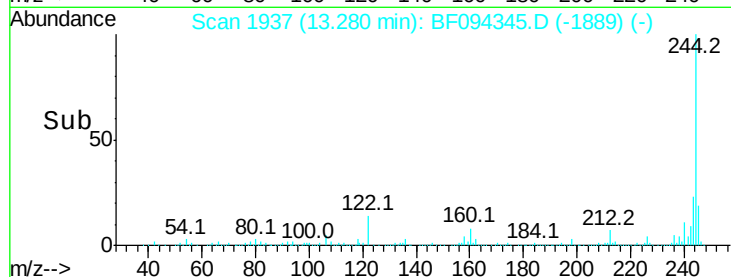
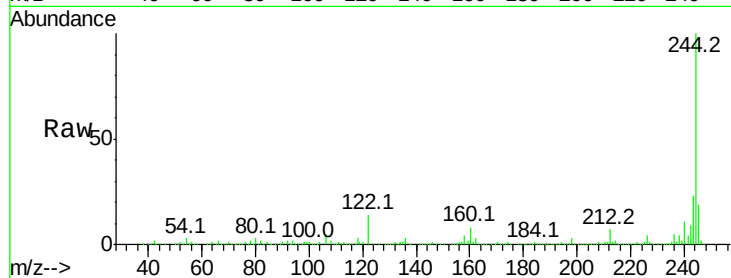
#78
 Terphenyl-d14
 Concen: 71.17 ng
 RT: 13.28 min Scan# 1937
 Delta R.T. -0.02 min
 Lab File: BF094345.D
 Acq: 11 Apr 2017 8:16

Instrument :
 BNA_F
 ClientSampleId :
 B-31-S1(6-8)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	14.1	10.3	15.5

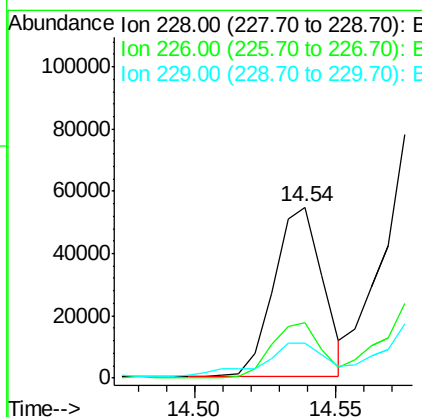
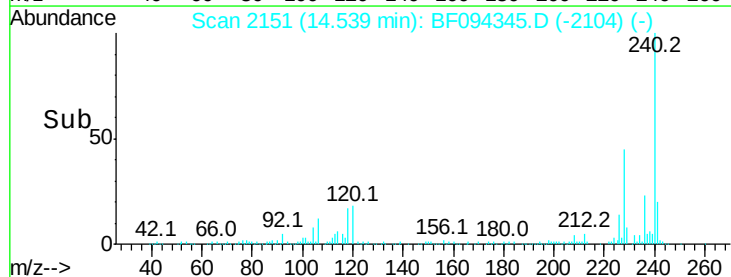
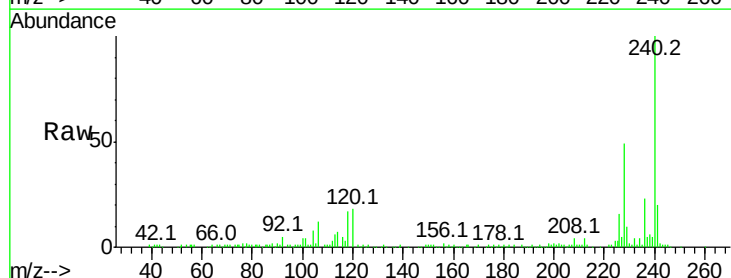
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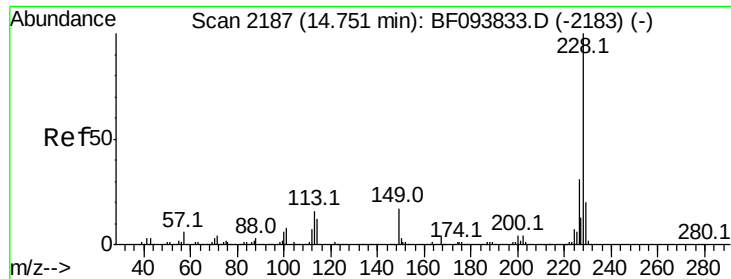
mohammad
 4/11/2017 12:53:41 PM



#80
 Benzo(a)anthracene
 Concen: 3.47 ng
 RT: 14.54 min Scan# 2151
 Delta R.T. -0.02 min
 Lab File: BF094345.D
 Acq: 11 Apr 2017 8:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.6	22.6	33.8
229	20.6	16.3	24.5





#82

Chrysene

Concen: 6.81 ng

RT: 14.58 min Scan# 2158

Delta R.T. -0.03 min

Lab File: BF094345.D

Acq: 11 Apr 2017 8:16

Instrument :

BNA_F

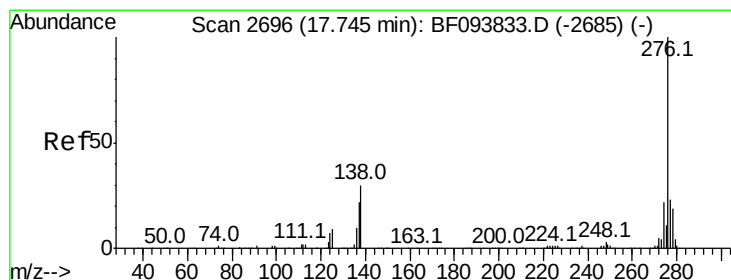
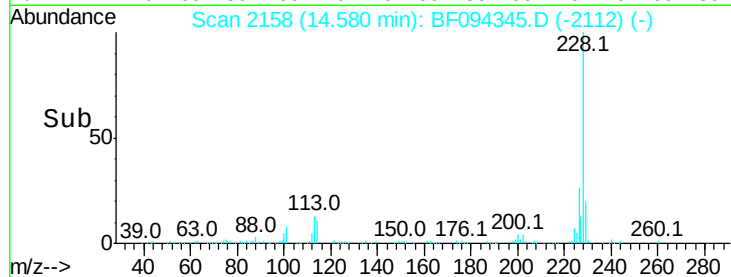
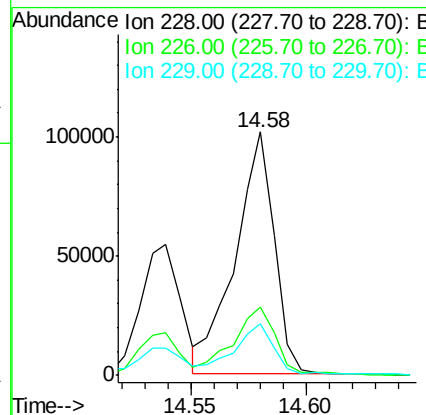
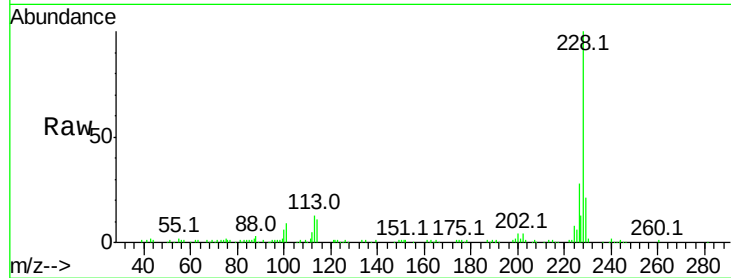
ClientSampled :

B-31-S1(6-8)

Tot Ion:	228	Resp:	119194
Ion Ratio	Lower	Upper	
228	100		
226	27.9	24.9	37.3
229	21.1	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.02 ng

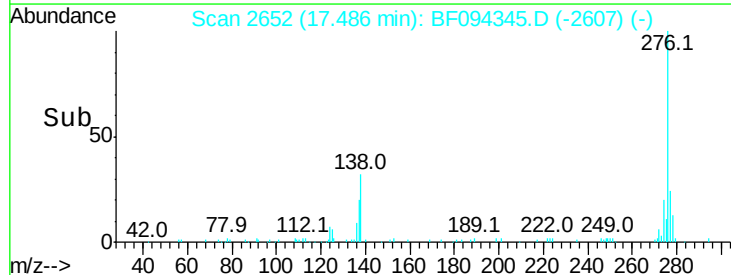
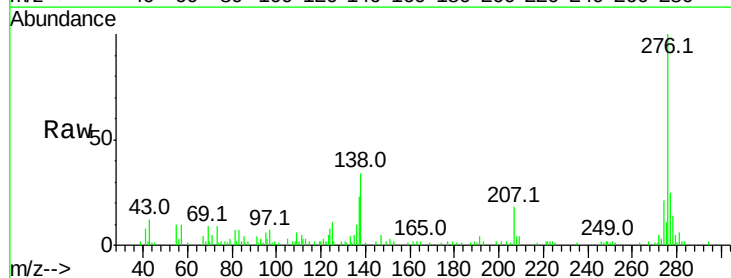
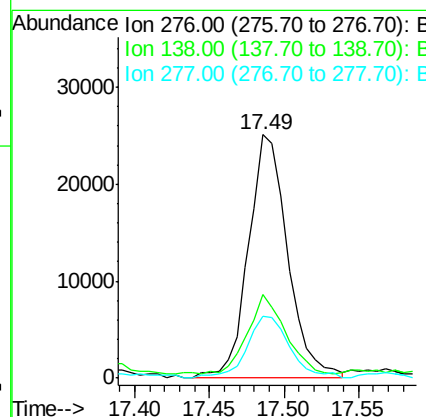
RT: 17.49 min Scan# 2652

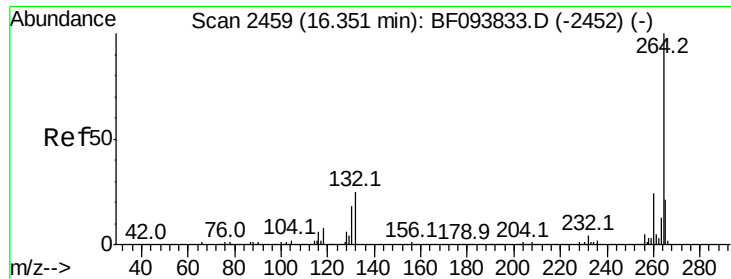
Delta R.T. -0.04 min

Lab File: BF094345.D

Acq: 11 Apr 2017 8:16

Tgt Ion:	276	Resp:	45743
Ion Ratio	Lower	Upper	
276	100		
138	31.9	27.8	41.6
277	27.5	20.2	30.4





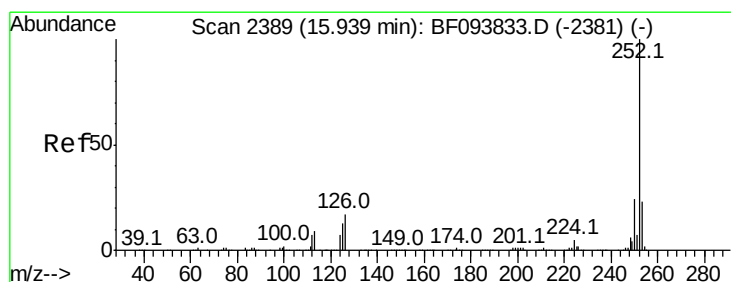
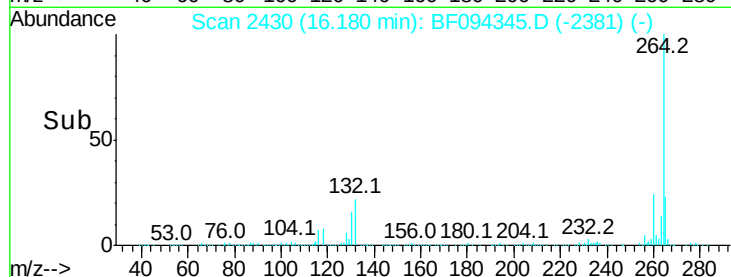
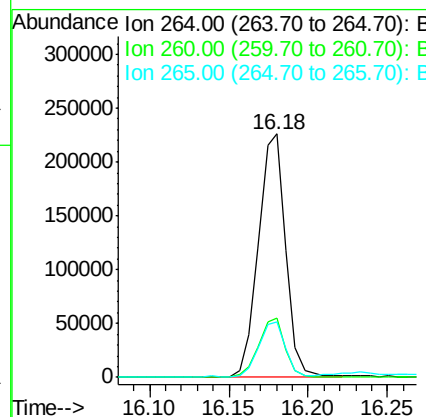
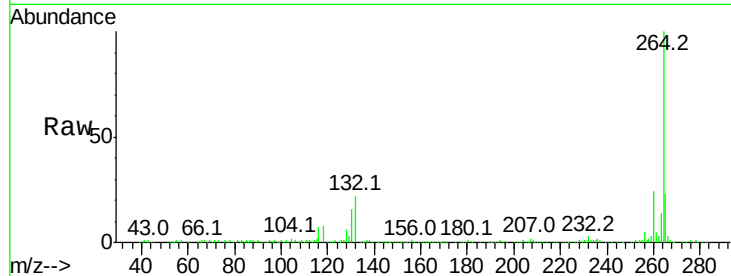
#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 16.18 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BF094345.D
 Acq: 11 Apr 2017 8:16

Instrument :
 BNA_F
 ClientSampleId :
 B-31-S1(6-8)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.5	29.3
265	22.8	17.2	25.8

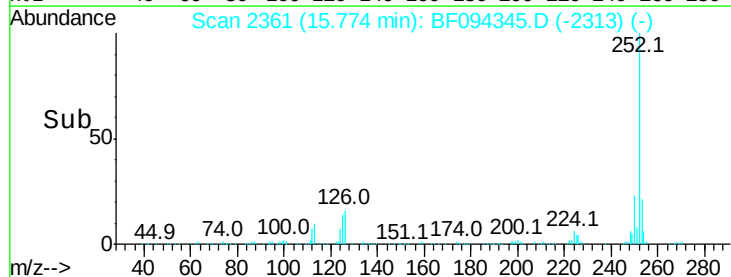
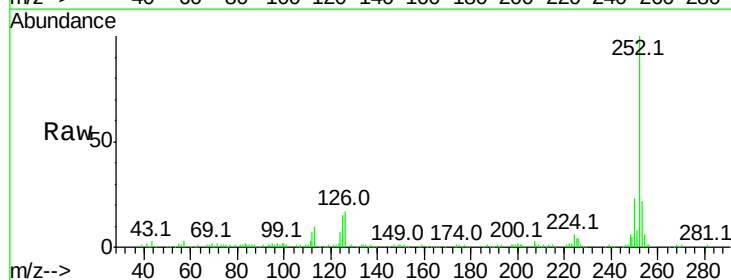
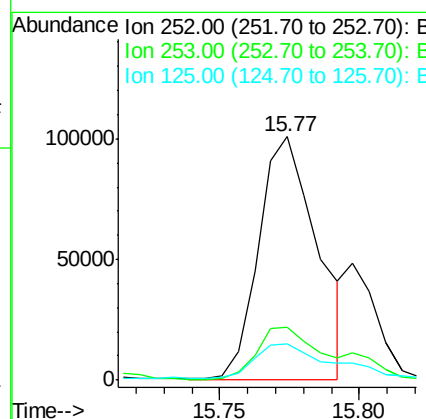
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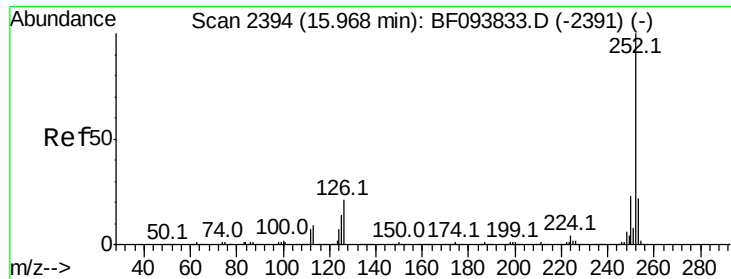
mohammad
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#87
 Benzo(b)fluoranthene
 Concen: 8.87 ng m
 RT: 15.77 min Scan# 2361
 Delta R.T. -0.02 min
 Lab File: BF094345.D
 Acq: 11 Apr 2017 8:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.1	27.1
125	15.0	9.8	14.8





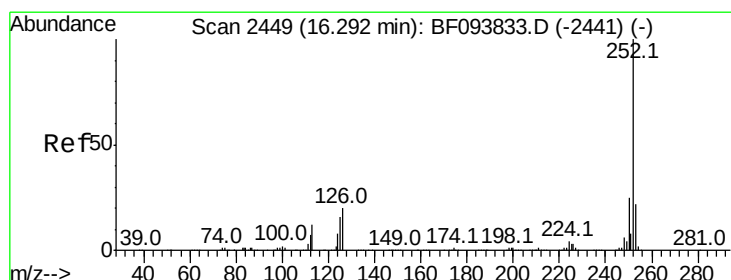
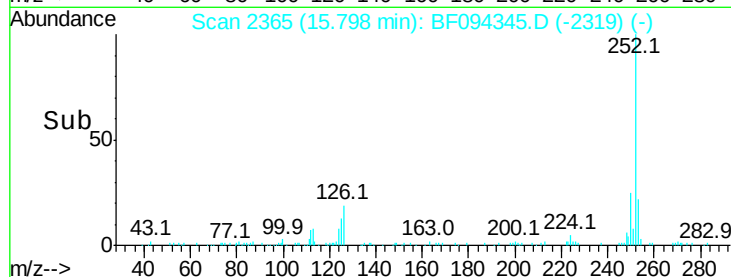
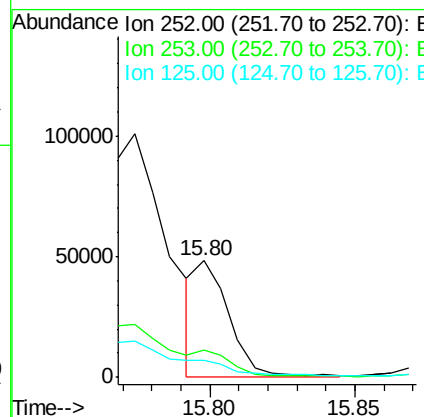
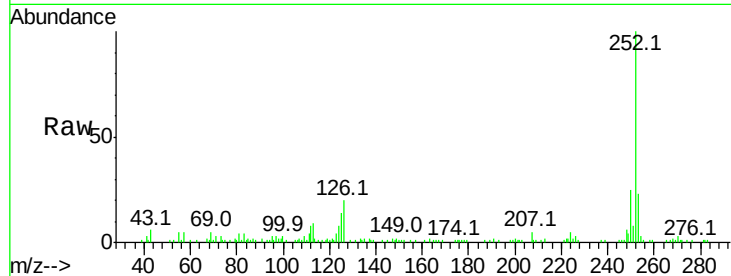
#88
Benzo(k)fluoranthene
Concen: 2.39 ng m
RT: 15.80 min Scan# 2365
Delta R.T. -0.03 min
Lab File: BF094345.D
Acq: 11 Apr 2017 8:16

Instrument :
BNA_F
ClientSampleId :
B-31-S1(6-8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	14.2	13.1	19.7

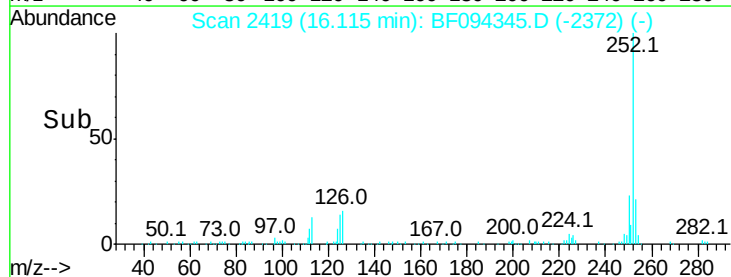
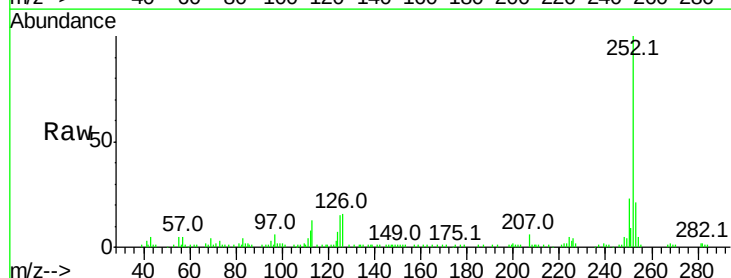
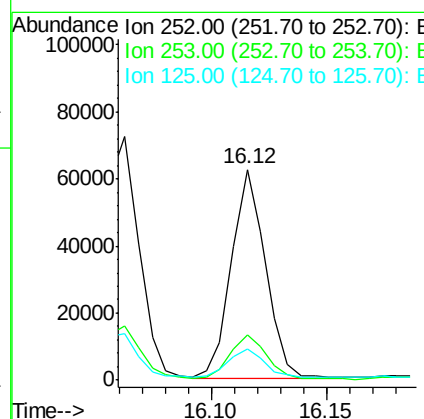
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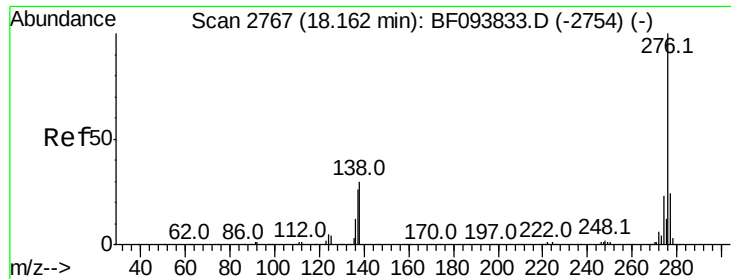
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#89
Benzo(a)pyrene
Concen: 4.22 ng
RT: 16.12 min Scan# 2419
Delta R.T. -0.02 min
Lab File: BF094345.D
Acq: 11 Apr 2017 8:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.5	26.3
125	14.6	11.0	16.4





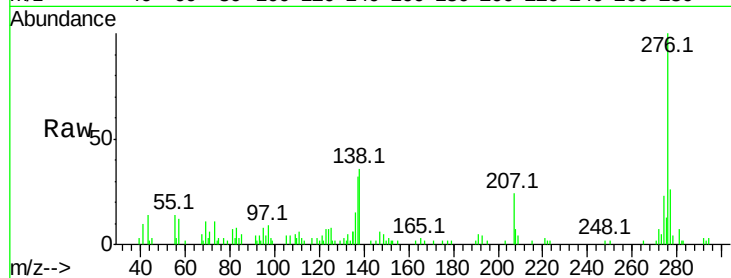
#91
 Benzo(a,h,i)perylene
 Concen: 3.09 ng
 RT: 17.87 min Scan# 2718
 Delta R.T. -0.04 min
 Lab File: BF094345.D
 Acq: 11 Apr 2017 8:16

Instrument :
 BNA_F
 ClientSampleId :
 B-31-S1(6-8)

Tot Ion:	276	Resp:	40459
Ion Ratio		Lower	Upper
276	100		
277	25.6	18.6	28.0
138	36.4	25.4	38.0

Manual Integrations
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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

