

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041817\
 Data File : BF094507.D
 Acq On : 19 Apr 2017 00:51
 Operator : SJ/MA
 Sample : I2708-17 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-X10-BASE

Manual Integrations
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Quant Time: Apr 19 07:38:16 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	116528	20.00	ng	0.00
21) Naphthalene-d8	7.27	136	426145	20.00	ng	0.00
38) Acenaphthene-d10	9.41	164	151624	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	252728	20.00	ng	0.00
75) Chrysene-d12	14.48	240	256996	20.00	ng	0.00
86) Perylene-d12	16.10	264	196300	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	344025	48.98	ng	0.01
7) Phenol-d6	5.40	99	412635	49.83	ng	0.00
23) Nitrobenzene-d5	6.41	82	238509	34.56	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	56366	47.53	ng	0.00
44) 2-Fluorobiphenyl	8.59	172	388164	37.67	ng	0.00
78) Terphenyl-d14	13.20	244	298349	31.03	ng	0.00
Target Compounds						Qvalue
20) 3+4-Methylphenols	6.28	107	30465m	3.56	ng	
27) 2,4-Dimethylphenol	6.91	122	31988	5.04	ng	93
31) Naphthalene	7.30	128	58741	2.87	ng	# 87
37) 2-Methylnaphthalene	8.14	142	164505	11.74	ng	98
45) 1,1'-Biphenyl	8.71	154	31114	2.51	ng	98
49) Dimethylphthalate	9.09	163	147316	13.04	ng	# 99
54) Dibenzofuran	9.65	168	38201	2.86	ng	# 83
57) Fluorene	10.08	166	35011m	3.36	ng	
70) Phenanthrene	11.25	178	159724	11.22	ng	97
71) Anthracene	11.32	178	36037m	2.45	ng	
74) Fluoranthene	12.71	202	114193	7.74	ng	99
77) Pyrene	12.99	202	117677	6.55	ng	97
80) Benzo(a)anthracene	14.47	228	50885	3.41	ng	92
82) Chrysene	14.51	228	66894m	4.90	ng	
87) Benzo(b)fluoranthene	15.70	252	72148m	6.01	ng	
89) Benzo(a)pyrene	16.04	252	39879	3.57	ng	# 91
91) Benzo(a,h,i)perylene	17.75	276	21151	2.24	ng	# 87

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

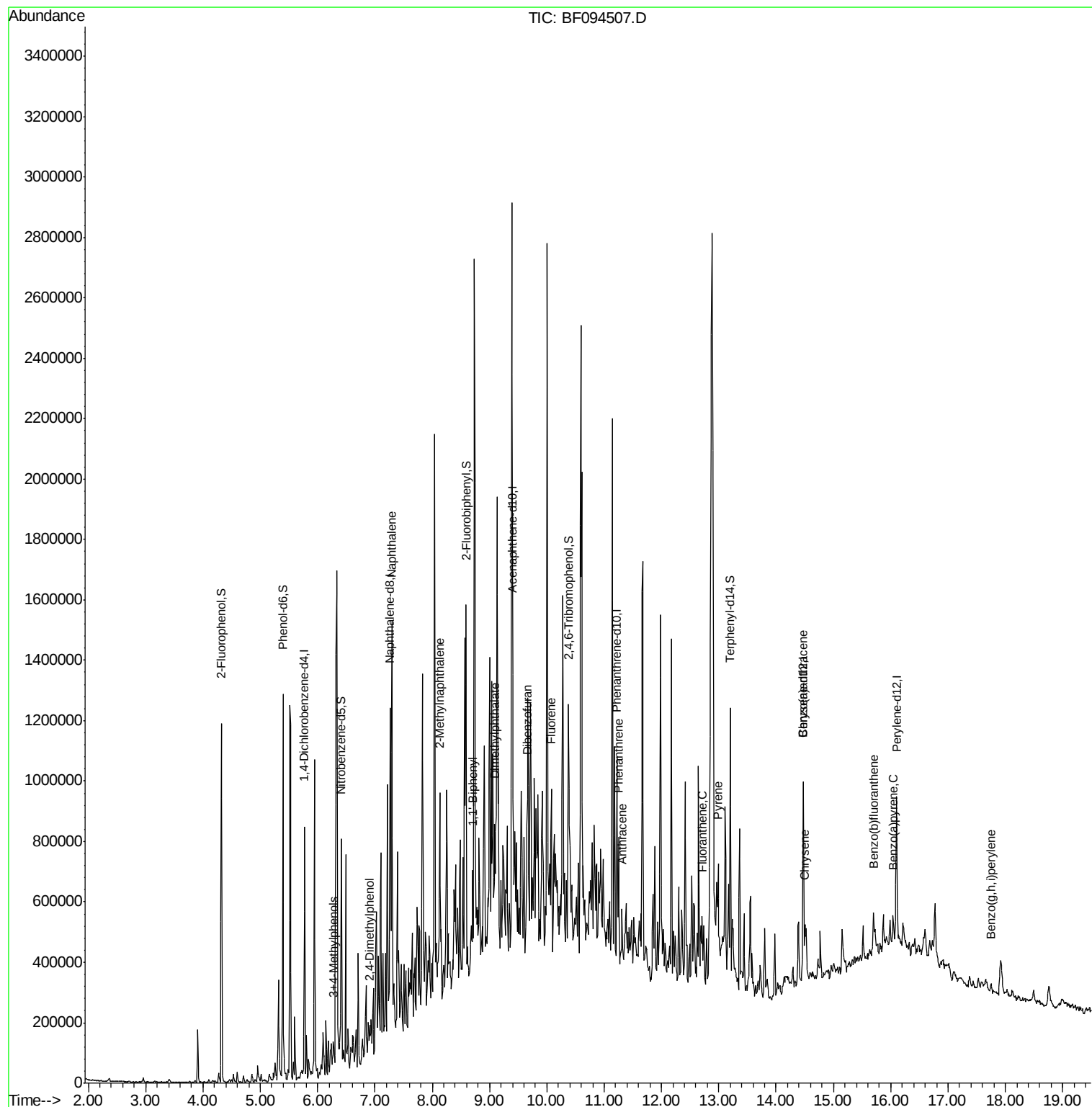
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#1

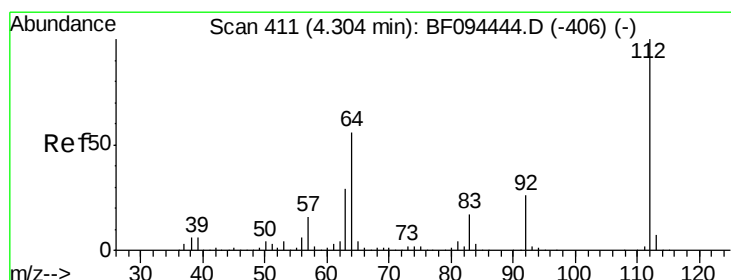
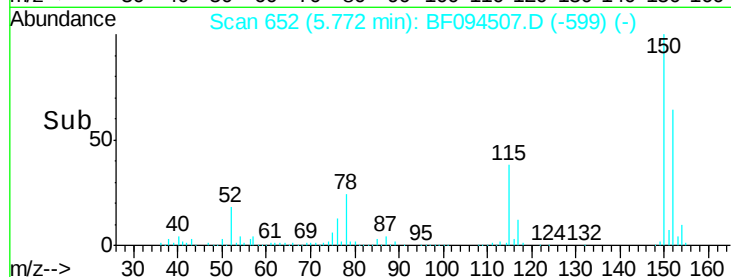
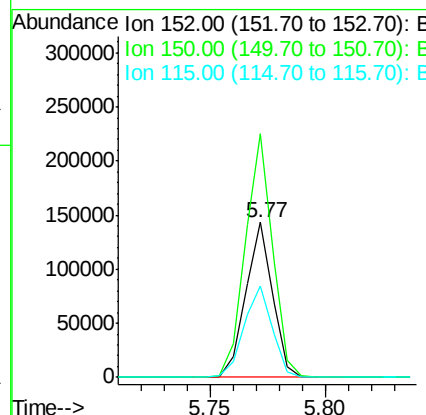
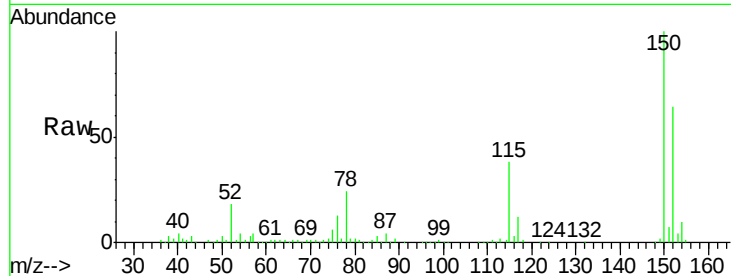
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 652
Delta R.T. 0.01 min
Lab File: BF094507.D
Acq: 19 Apr 2017 00:51

Instrument :
BNA_F
ClientSampleId :
E2-X10-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	126.2	189.2
115	59.2	52.2	78.2

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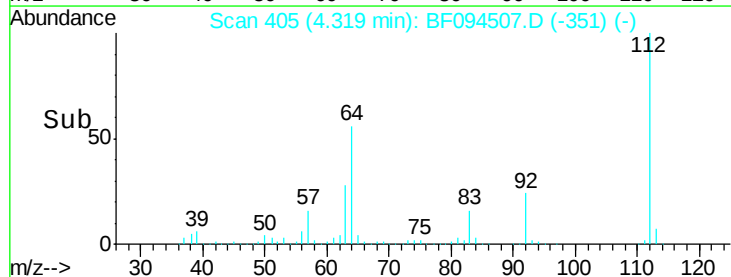
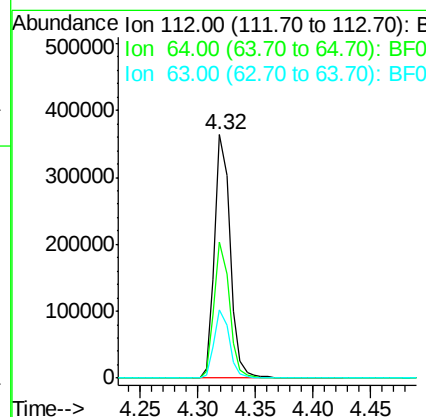
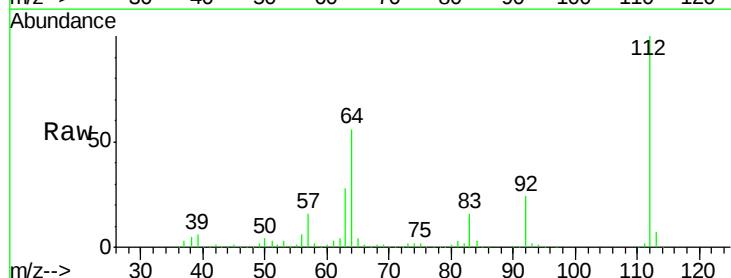
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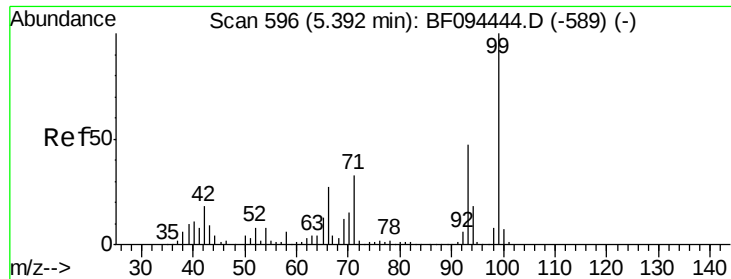


#5

2-Fluorophenol
Concen: 48.98 ng
RT: 4.32 min Scan# 405
Delta R.T. 0.01 min
Lab File: BF094507.D
Acq: 19 Apr 2017 00:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	46.0	69.0
63	27.9	23.4	35.0





#7

Phenol-d6

Concen: 49.83 ng

RT: 5.40 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF094507.D

Acq: 19 Apr 2017 00:51

Instrument :

BNA_F

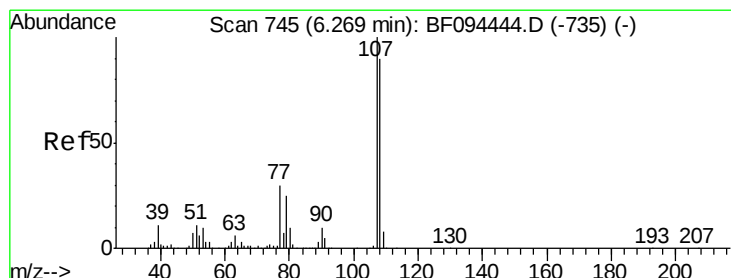
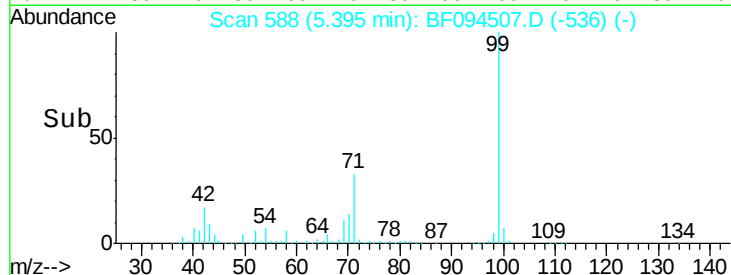
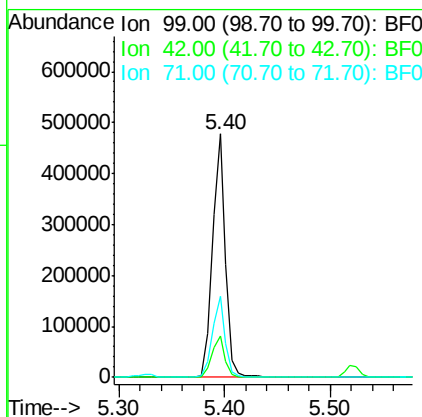
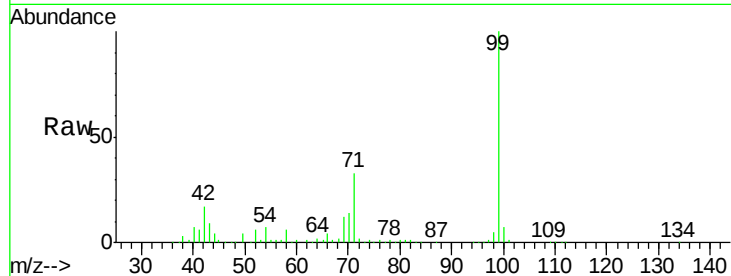
ClientSampleId :

E2-X10-BASE

Tot Ion:	99	Resp:	412635
Ion Ratio	Lower	Upper	
99	100		
42	17.0	13.5	20.3
71	33.1	24.5	36.7

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#20

3+4-Methylphenols

Concen: 3.56 ng m

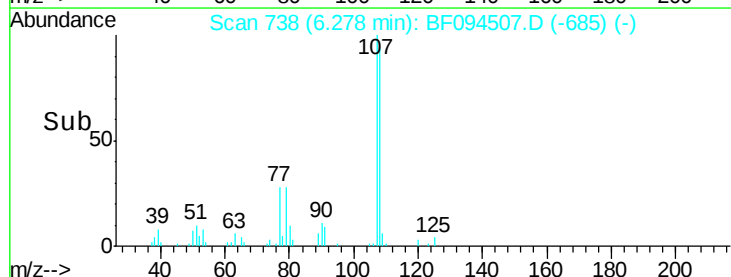
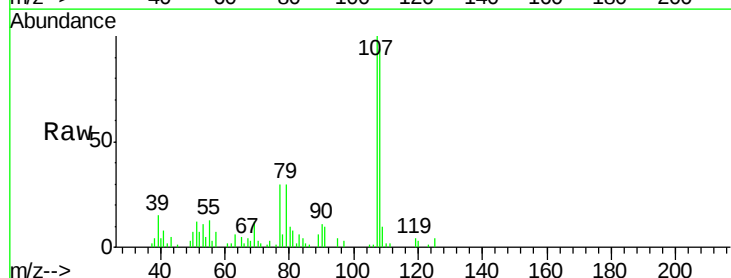
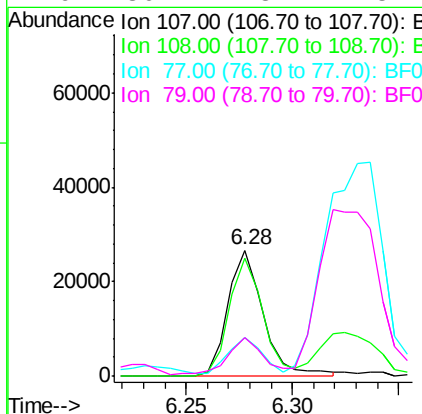
RT: 6.28 min Scan# 738

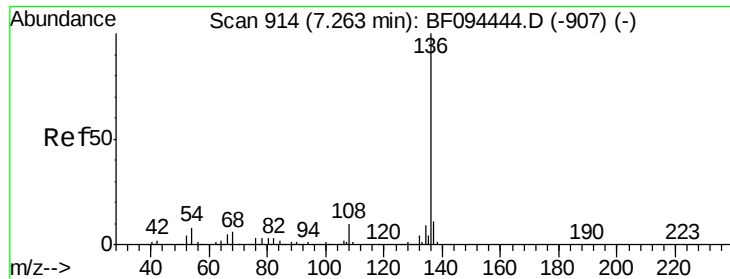
Delta R.T. 0.01 min

Lab File: BF094507.D

Acq: 19 Apr 2017 00:51

Tgt Ion:	107	Resp:	30465
Ion Ratio	Lower	Upper	
107	100		
108	94.1	71.0	111.0
77	30.2	90.5	130.5#
79	30.4	8.4	48.4





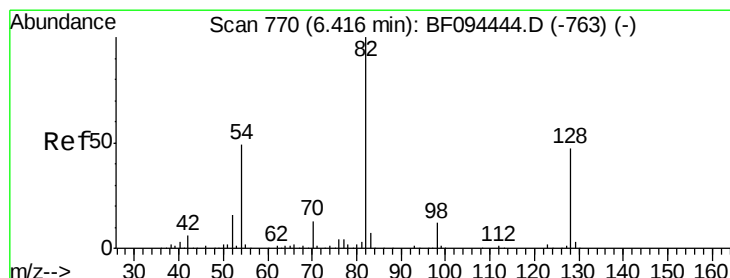
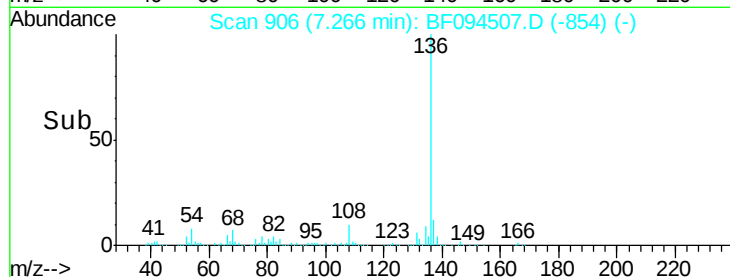
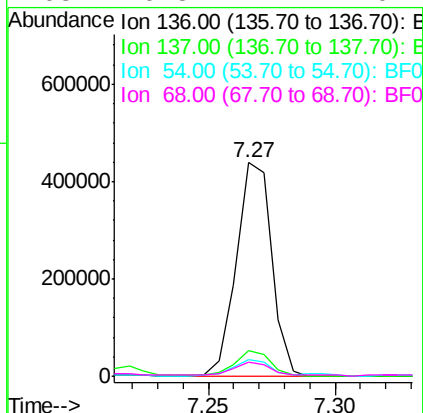
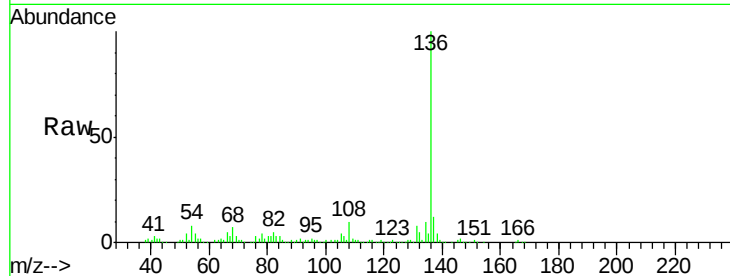
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.27 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF094507.D
Acq: 19 Apr 2017 00:51

Instrument :
BNA_F
ClientSampleId :
E2-X10-BASE

Tot Ion	Ratio	Resp	Lower	Upper
136	100	426145		
137	11.8	8.5	12.7	
54	7.8	4.9	7.3#	
68	6.8	4.1	6.1#	

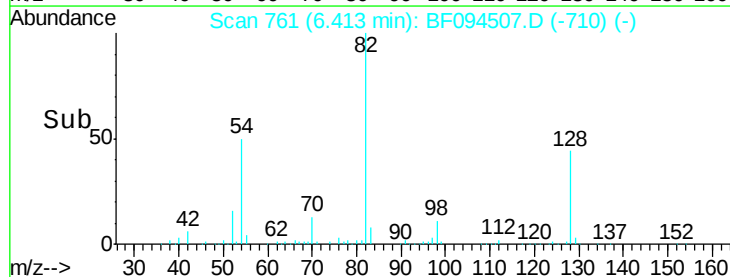
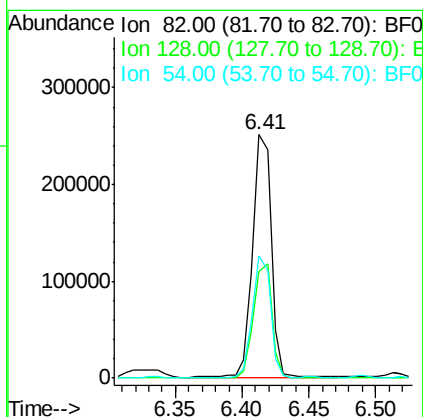
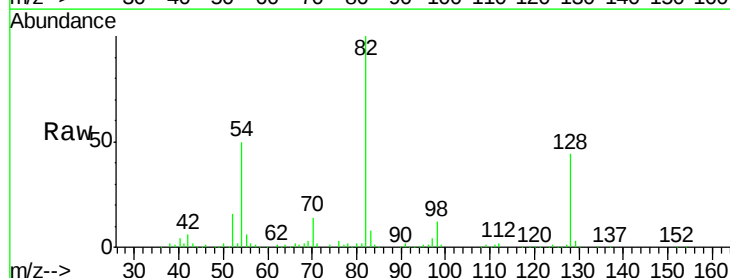
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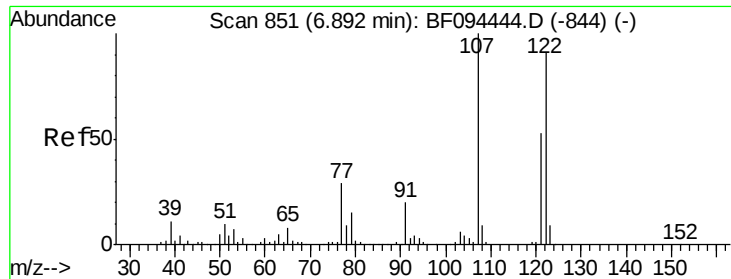
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#23
Nitrobenzene-d5
Concen: 34.56 ng
RT: 6.41 min Scan# 761
Delta R.T. -0.00 min
Lab File: BF094507.D
Acq: 19 Apr 2017 00:51

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	238509		
128	43.9	34.0	51.0	
54	50.1	42.2	63.2	





#27

2,4-Dimethylphenol

Concen: 5.04 ng

RT: 6.91 min Scan# 845

Delta R.T. 0.01 min

Lab File: BF094507.D

Acq: 19 Apr 2017 00:51

Instrument :

BNA_F

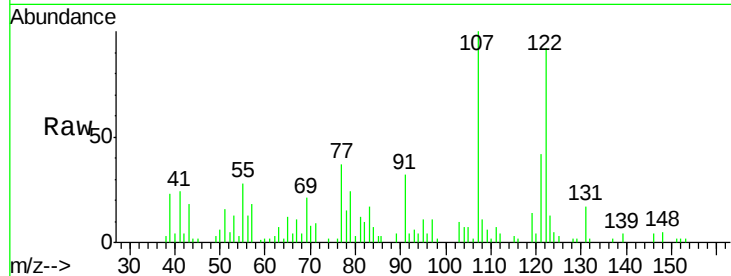
ClientSampleId :

E2-X10-BASE

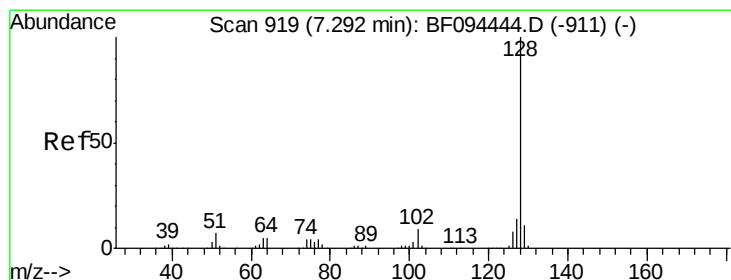
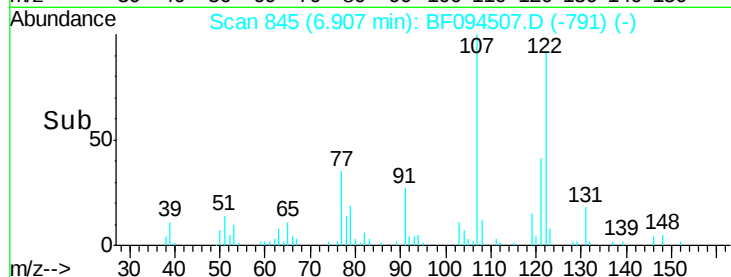
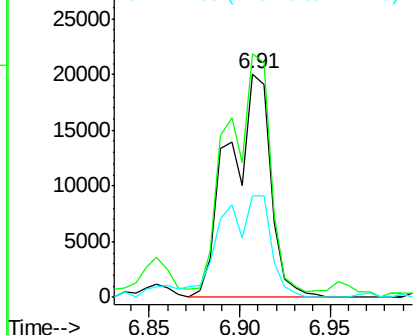
Tot Ion:	122	Resp:	31988
Ion Ratio	Lower	Upper	
122	100		
107	108.8	89.2	133.8
121	45.5	45.2	67.8

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Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 2.87 ng

RT: 7.30 min Scan# 911

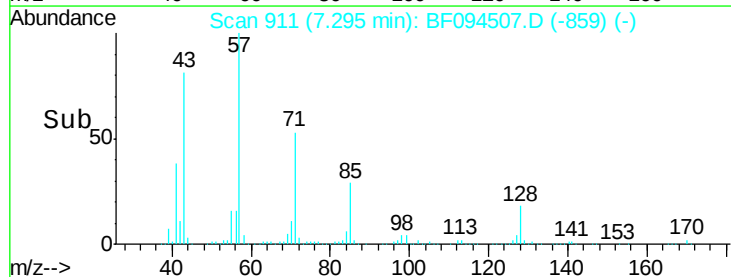
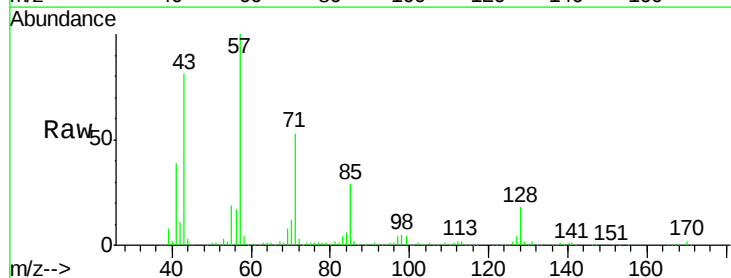
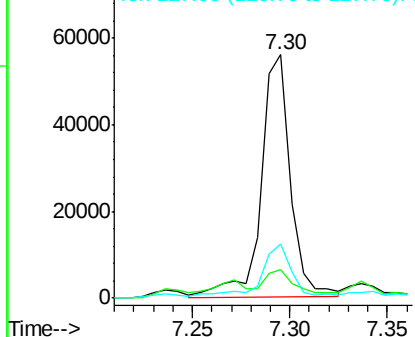
Delta R.T. 0.00 min

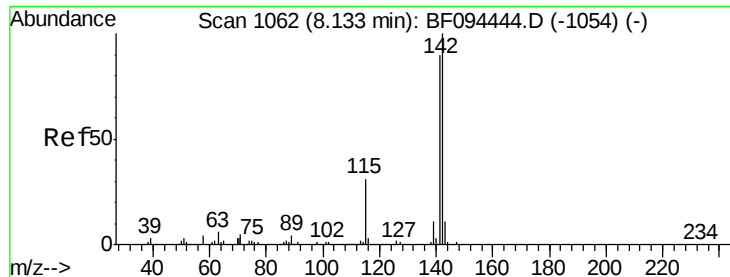
Lab File: BF094507.D

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Tgt Ion:	128	Resp:	58741
Ion Ratio	Lower	Upper	
128	100		
129	11.6	9.0	13.6
127	22.5	10.8	16.2#

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





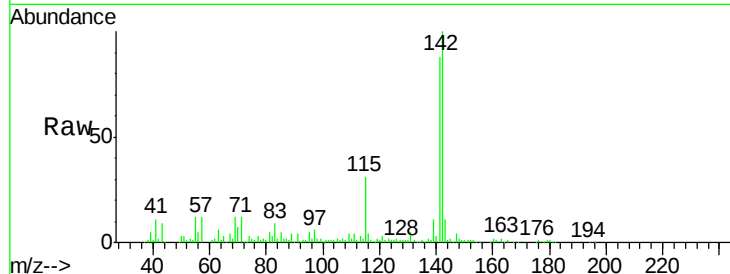
#37
2-Methylnaphthalene
Concen: 11.74 ng
RT: 8.14 min Scan# 1054
Delta R.T. 0.00 min
Lab File: BF094507.D
Acq: 19 Apr 2017 00:51

Instrument :
BNA_F
ClientSampleId :
E2-X10-BASE

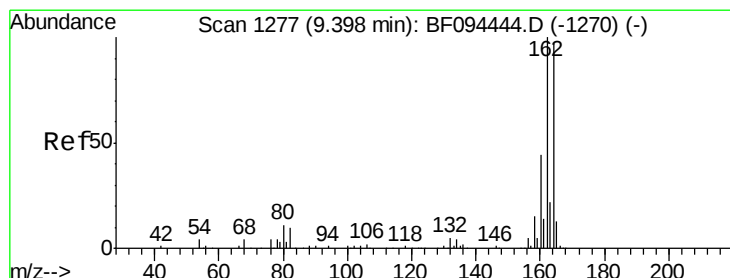
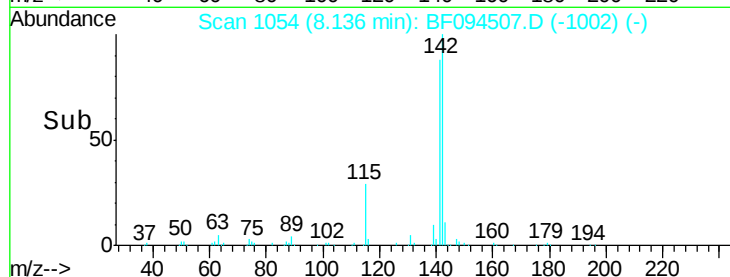
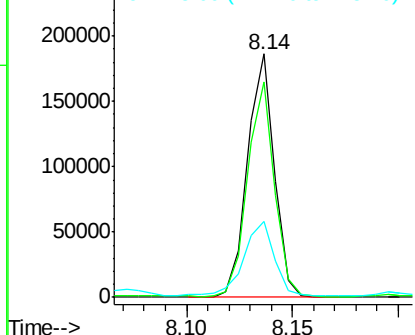
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.3	106.9
115	31.3	27.1	40.7

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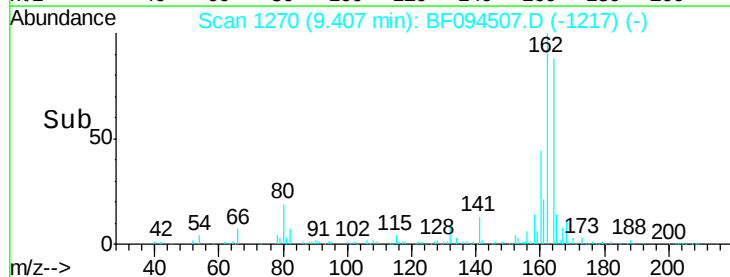
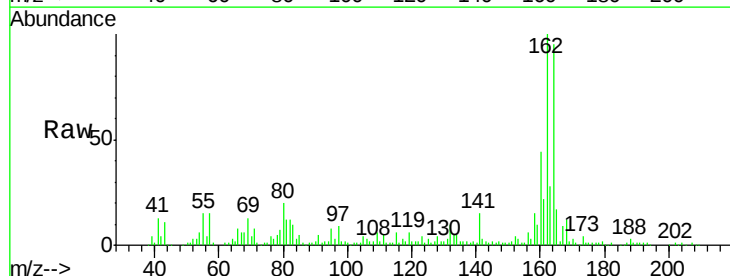
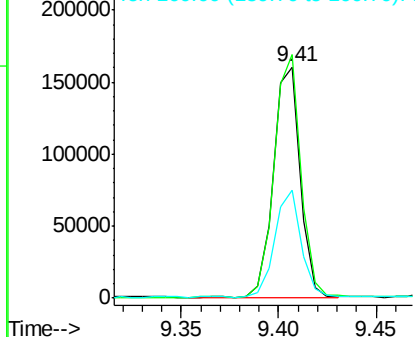
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

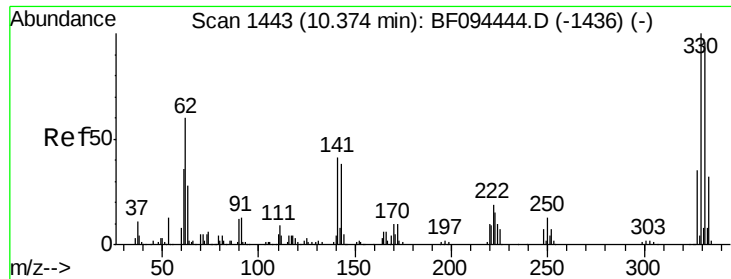


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.41 min Scan# 1270
Delta R.T. 0.01 min
Lab File: BF094507.D
Acq: 19 Apr 2017 00:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	82.6	123.8
160	46.6	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





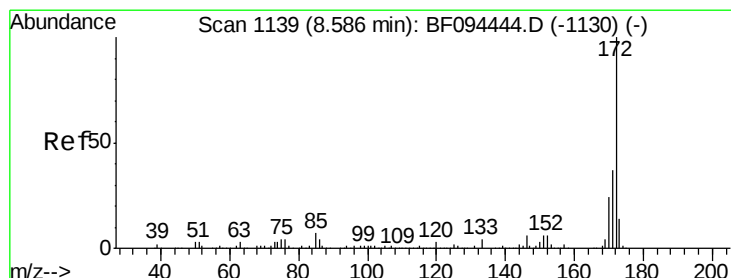
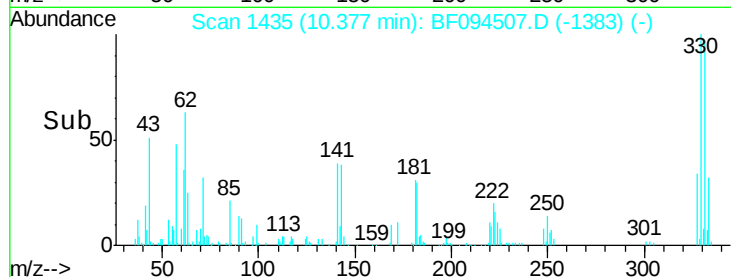
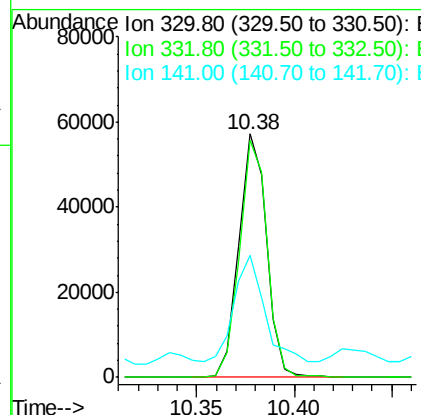
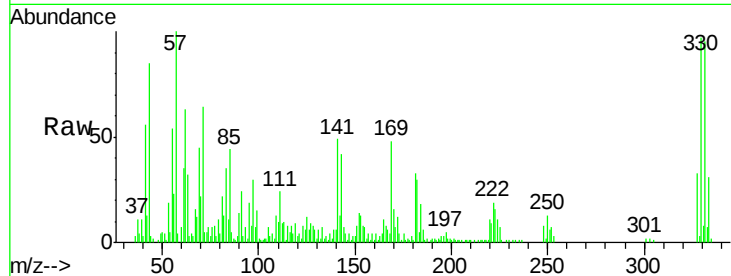
#41
 2,4,6-Tribromophenol
 Concen: 47.53 ng
 RT: 10.38 min Scan# 1435
 Delta R.T. 0.00 min
 Lab File: BF094507.D
 Acq: 19 Apr 2017 00:51

Instrument :
 BNA_F
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 E2-X10-BASE

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.6	115.0
141	47.5	31.4	47.2

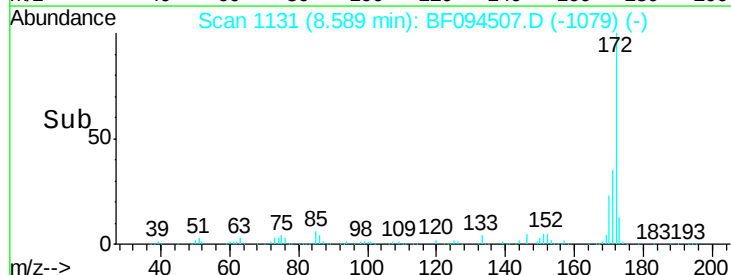
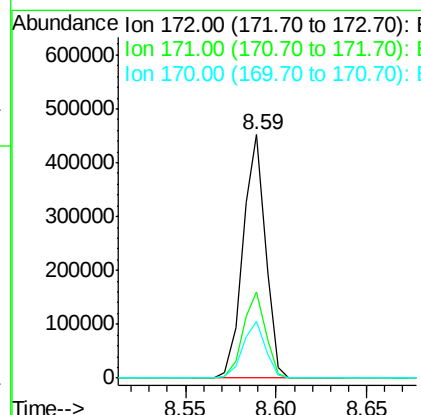
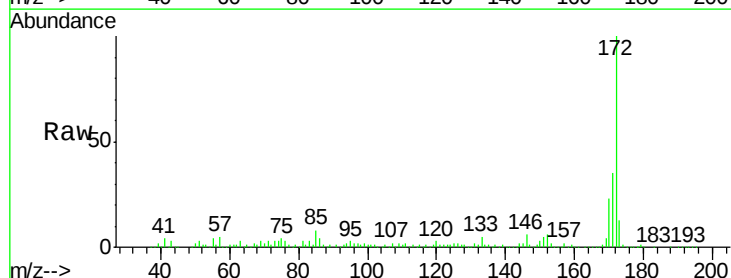
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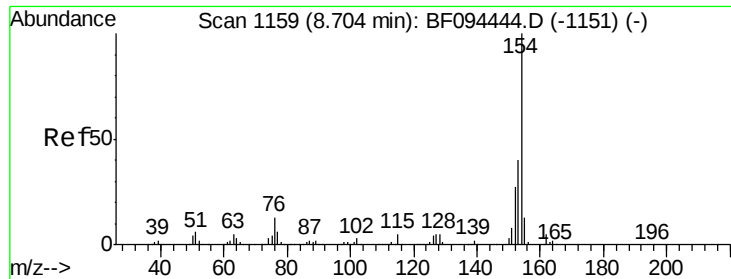
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#44
 2-Fluorobiphenyl
 Concen: 37.67 ng
 RT: 8.59 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: BF094507.D
 Acq: 19 Apr 2017 00:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.2	19.8	29.8





#45

1,1'-Biphenyl

Concen: 2.51 ng

RT: 8.71 min Scan# 1151

Delta R.T. 0.00 min

Lab File: BF094507.D

Acq: 19 Apr 2017 00:51

Instrument :

BNA_F

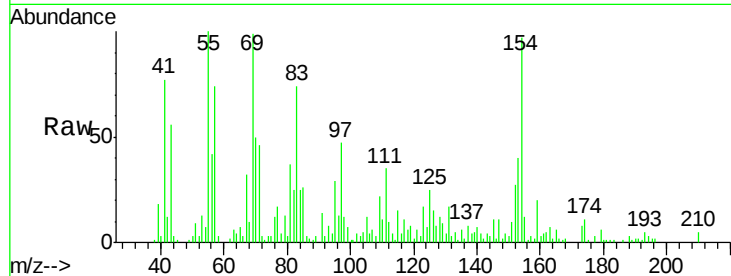
ClientSampleId :

E2-X10-BASE

Tot Ion:	154	Resp:	31114
Ion Ratio	Lower	Upper	
154	100		
153	40.7	21.2	61.2
76	12.1	0.0	29.9

Manual Integrations
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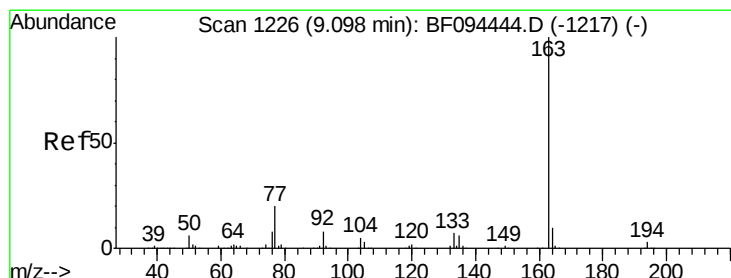
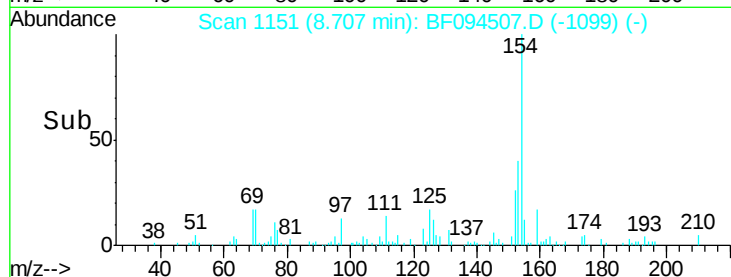
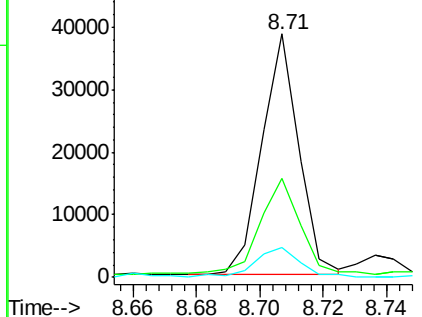
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#49

Dimethylphthalate

Concen: 13.04 ng

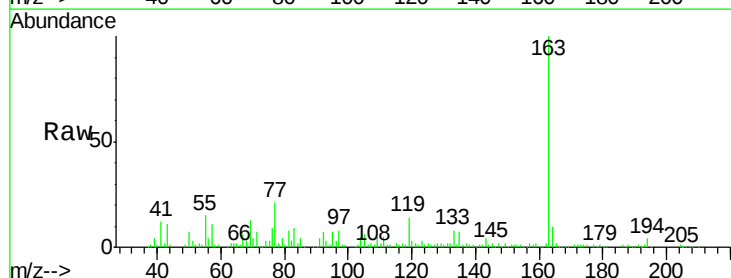
RT: 9.09 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF094507.D

Acq: 19 Apr 2017 00:51

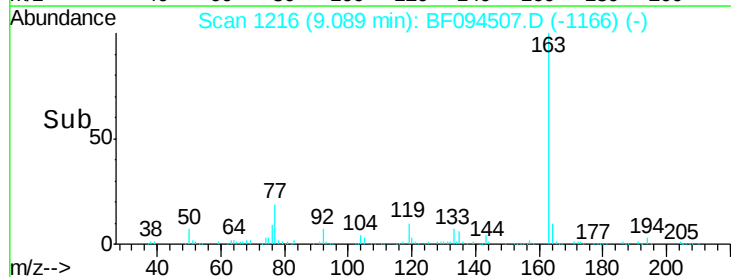
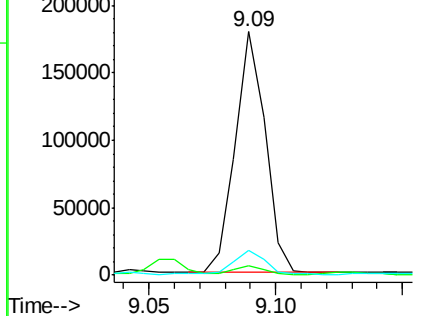
Tgt Ion:	163	Resp:	147316
Ion Ratio	Lower	Upper	
163	100		
194	4.1	2.6	4.0#
164	10.4	8.4	12.6

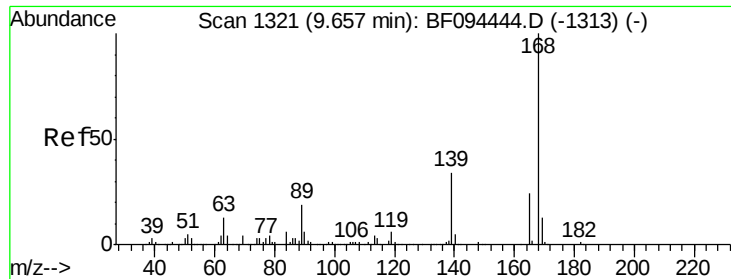


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





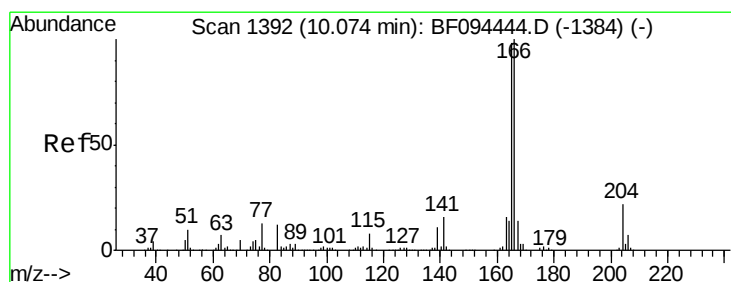
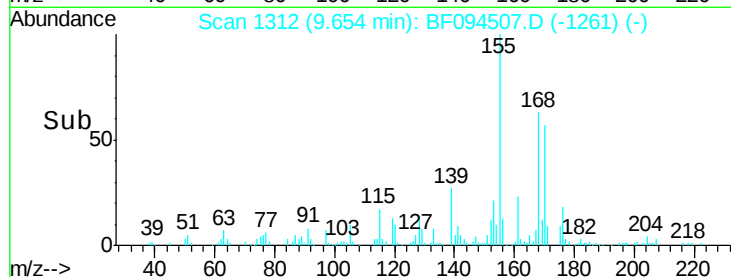
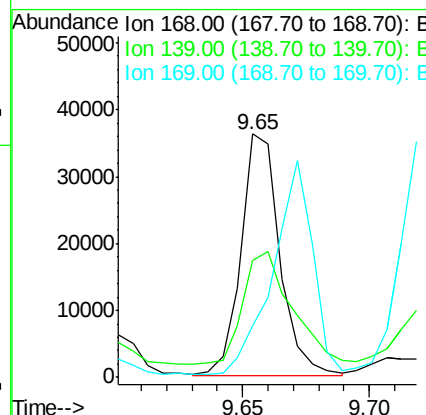
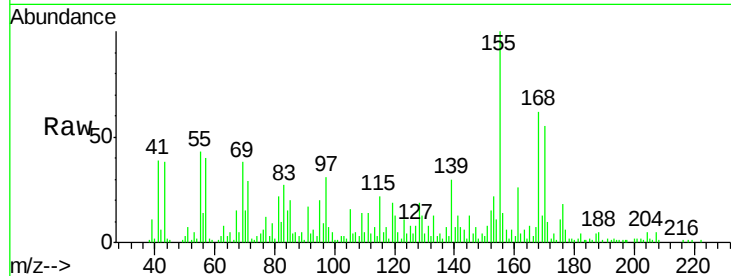
#54
Dibenzofuran
Concen: 2.86 ng
RT: 9.65 min Scan# 1312
Delta R.T. -0.00 min
Lab File: BF094507.D
Acq: 19 Apr 2017 00:51

Instrument :
BNA_F
ClientSampleId :
E2-X10-BASE

Tot Ion	Ratio	Lower	Upper
168	100		
139	48.1	30.6	45.8#
169	21.0	10.8	16.2#

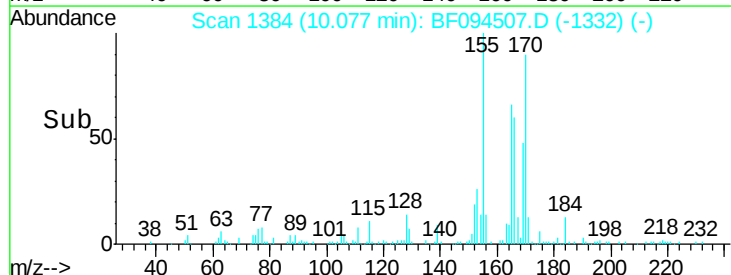
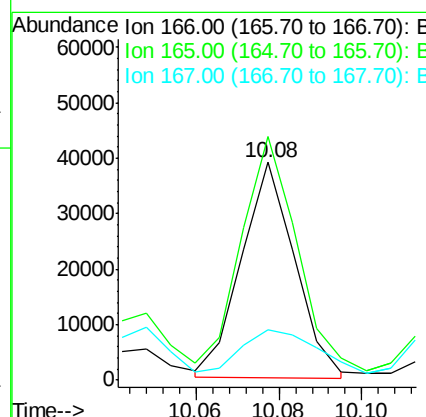
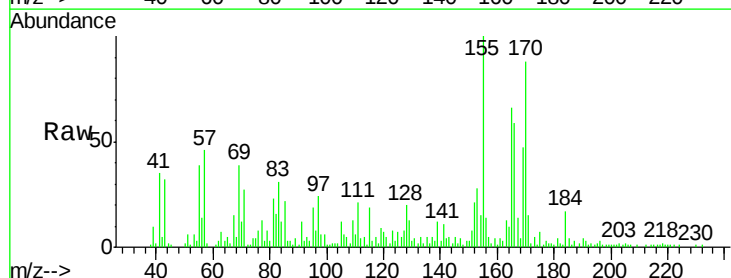
Manual Integrations
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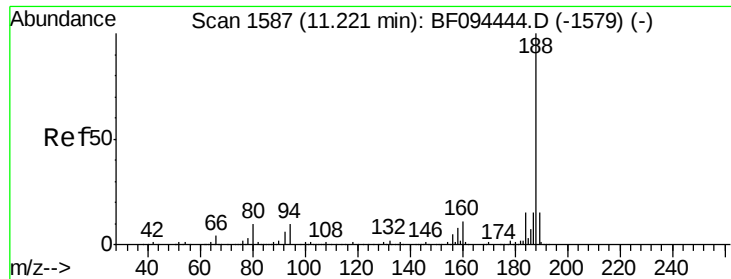
mohammad
4/19/2017 1:33:58 PM



#57
Fluorene
Concen: 3.36 ng m
RT: 10.08 min Scan# 1384
Delta R.T. 0.00 min
Lab File: BF094507.D
Acq: 19 Apr 2017 00:51

Tgt Ion	Ratio	Lower	Upper
166	100		
165	111.7	78.8	118.2
167	23.4	10.6	16.0#





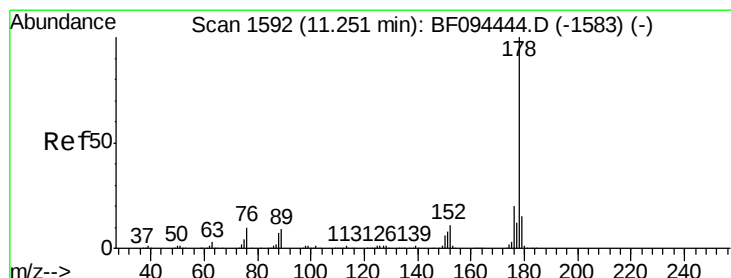
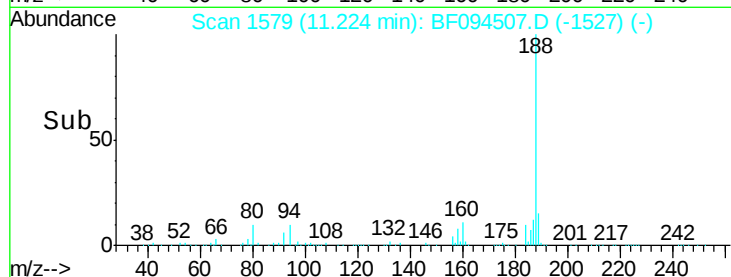
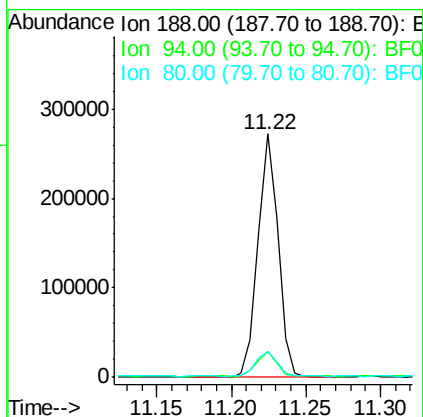
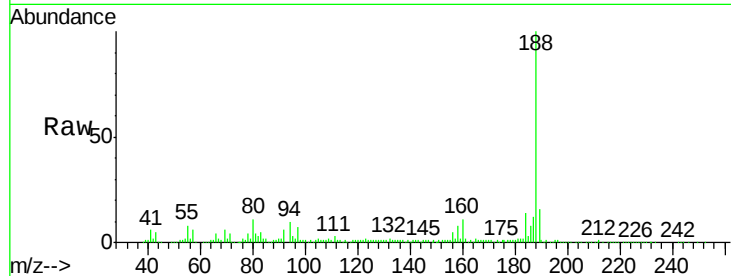
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 1579
Delta R.T. 0.00 min
Lab File: BF094507.D
Acq: 19 Apr 2017 00:51

Instrument :
BNA_F
ClientSampleId :
E2-X10-BASE

Tot Ion	Ratio	Resp	Lower	Upper
188	100	252728		
94	10.4		9.4	14.2
80	10.8		10.2	15.2

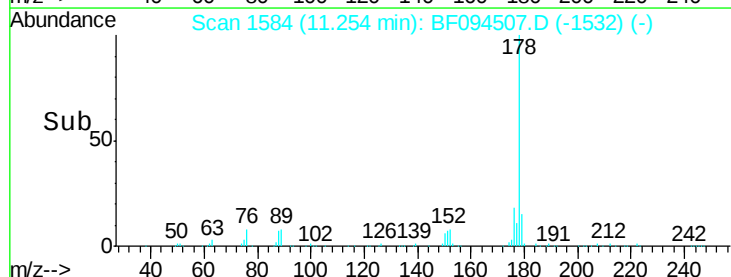
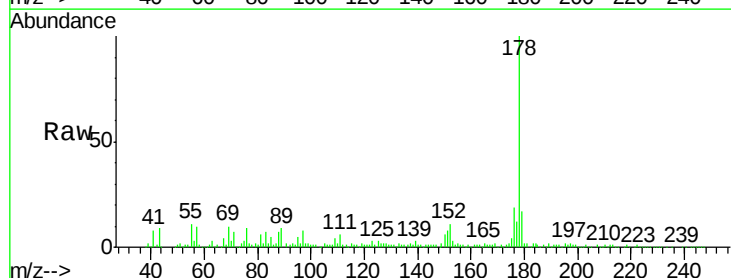
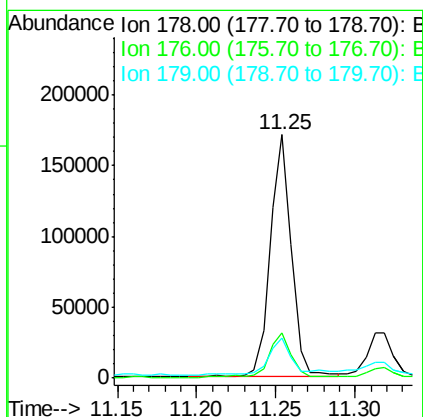
Manual Integrations
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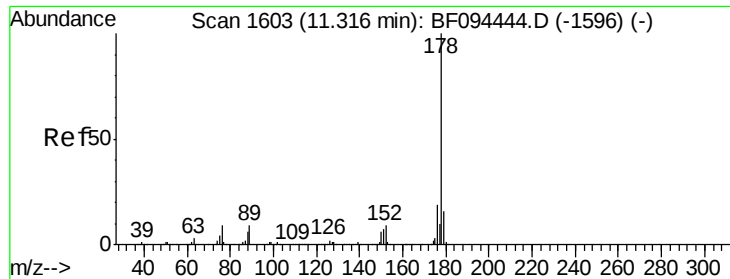
mohammad
4/19/2017 1:33:58 PM



#70
Phenanthrene
Concen: 11.22 ng
RT: 11.25 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF094507.D
Acq: 19 Apr 2017 00:51

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	159724		
176	18.7		16.2	24.4
179	16.7		12.6	19.0





#71

Anthracene

Concen: 2.45 ng/mL

RT: 11.32 min Scan# 1595

Delta R.T. 0.00 min

Lab File: BF094507.D

Acq: 19 Apr 2017 00:51

Instrument :

BNA_F

ClientSampleId :

E2-X10-BASE

Tot Ion:178 Resp: 36037

Ion Ratio Lower Upper

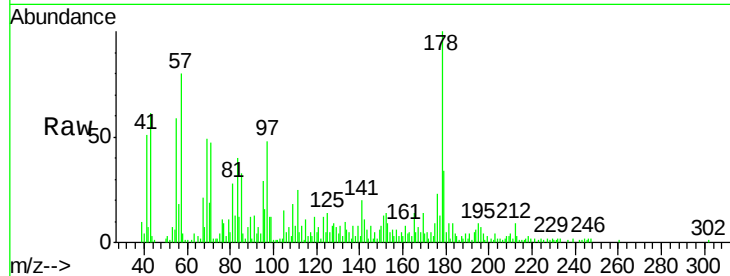
178 100

176 22.7 15.8 23.8

179 34.2 12.7 19.1#

Manual Integrations
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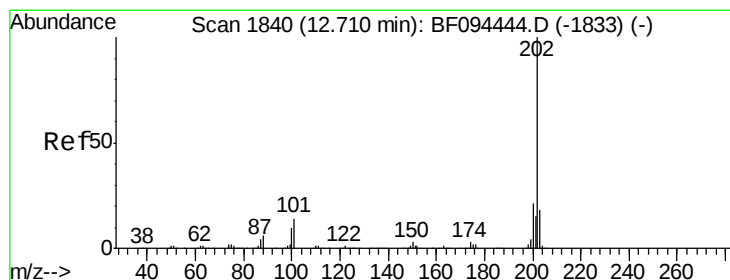
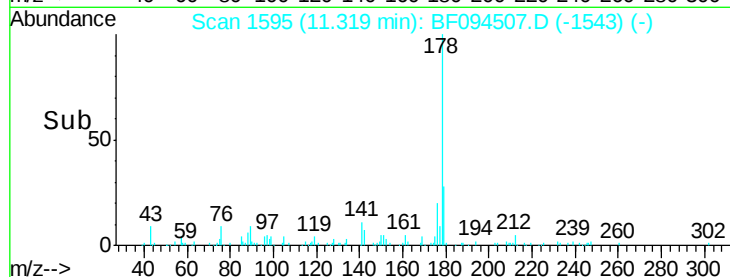
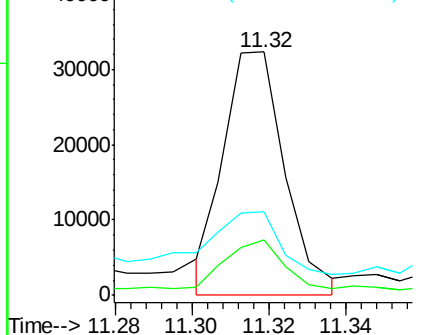
mohammad
4/19/2017 1:33:58 PM



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: 7.74 ng/mL

RT: 12.71 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF094507.D

Acq: 19 Apr 2017 00:51

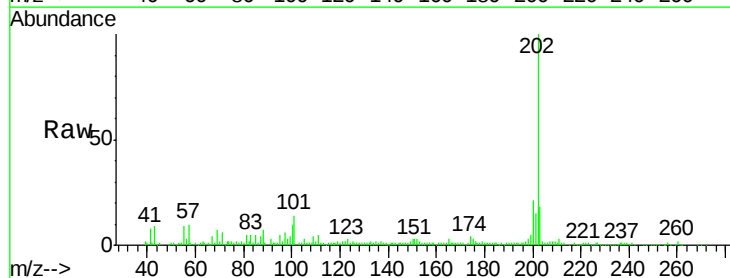
Tgt Ion:202 Resp: 114193

Ion Ratio Lower Upper

202 100

101 14.0 0.0 33.2

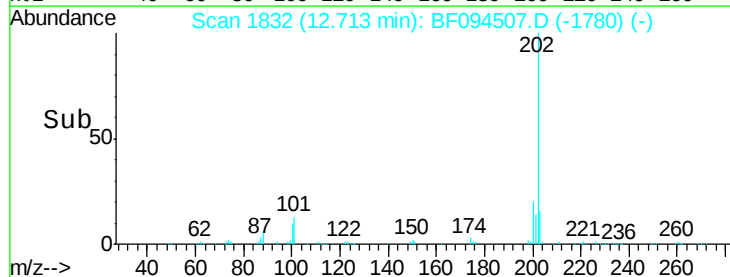
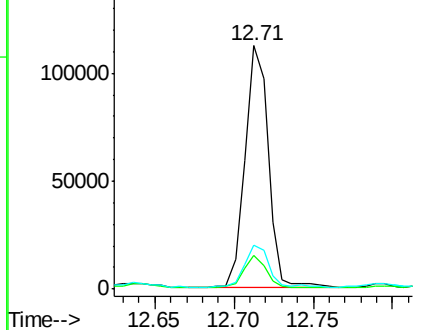
203 17.9 0.0 38.1

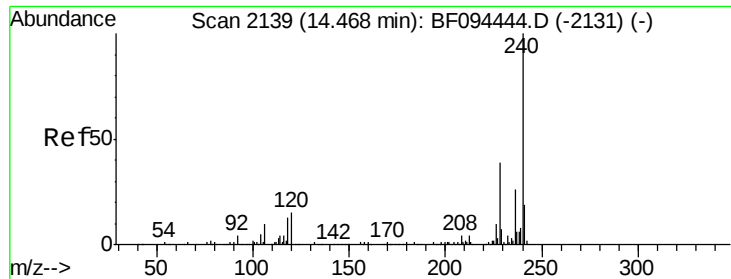


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





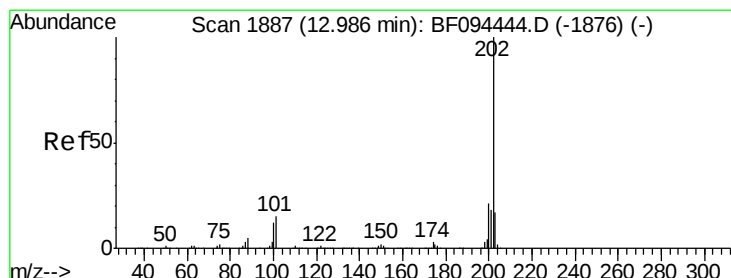
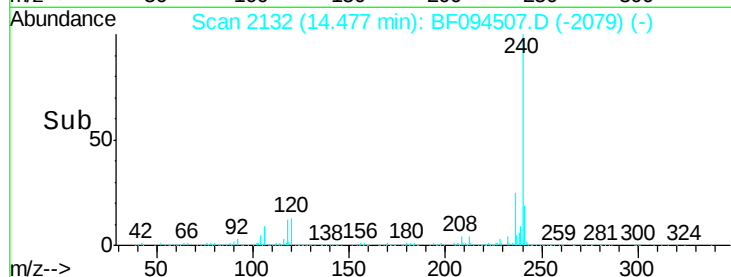
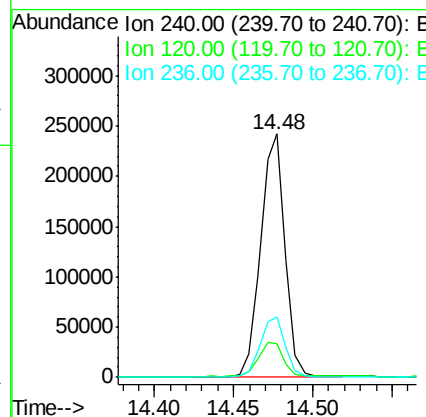
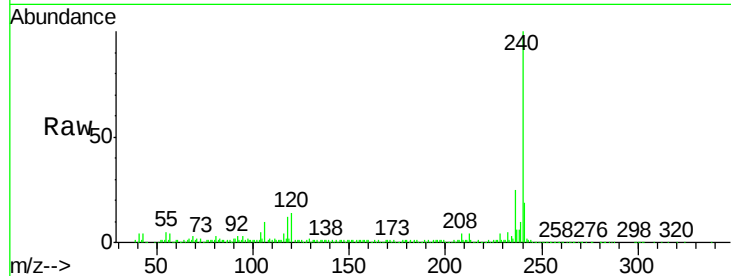
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.48 min Scan# 2132
Delta R.T. 0.01 min
Lab File: BF094507.D
Acq: 19 Apr 2017 00:51

Instrument :
BNA_F
ClientSampleId :
E2-X10-BASE

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.8	5.8	8.8#
236	25.0	20.5	30.7

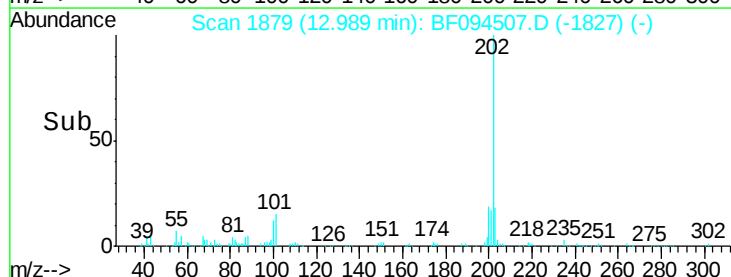
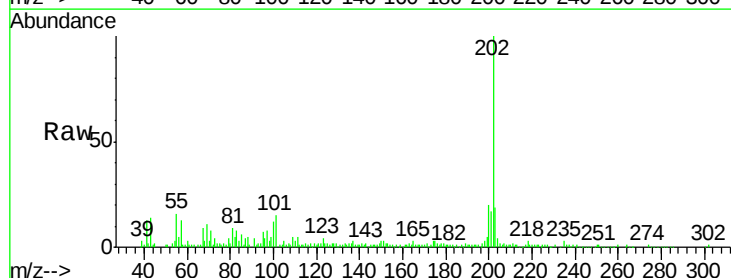
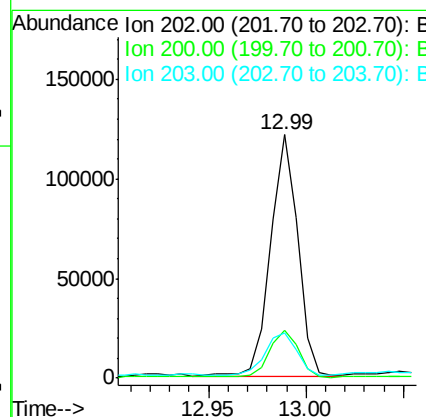
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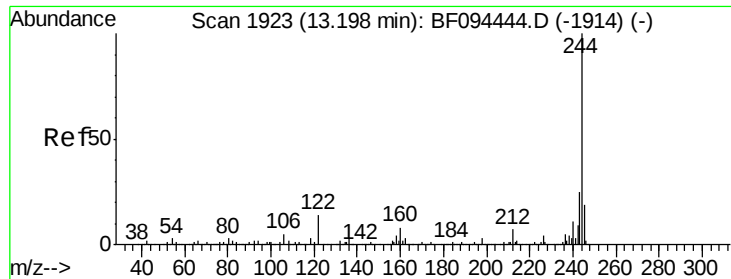
mohammad
4/19/2017 1:33:58 PM



#77
Pyrene
Concen: 6.55 ng
RT: 12.99 min Scan# 1879
Delta R.T. 0.00 min
Lab File: BF094507.D
Acq: 19 Apr 2017 00:51

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.6	26.4
203	18.8	14.4	21.6





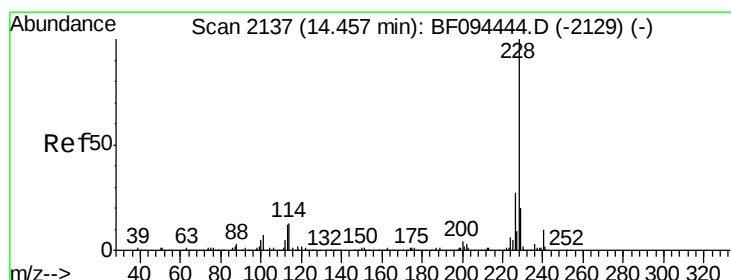
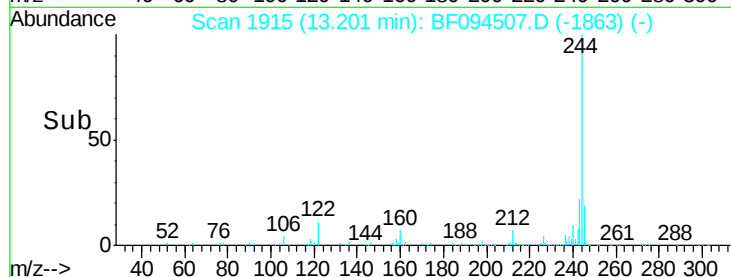
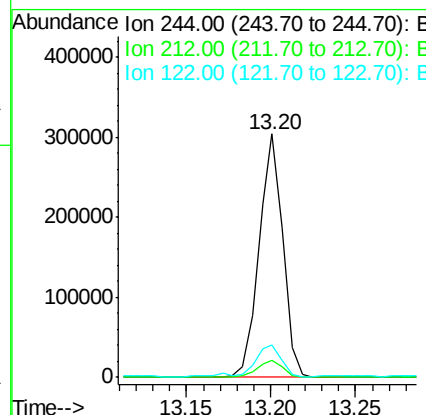
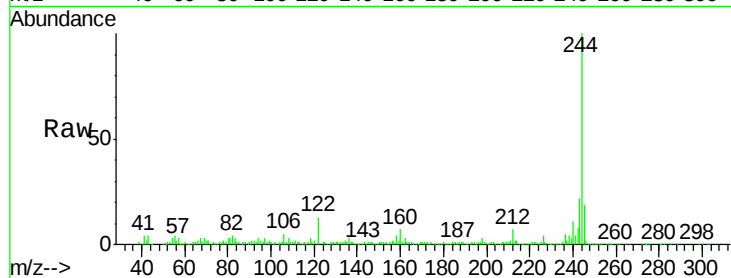
#78
 Terphenyl-d14
 Concen: 31.03 ng
 RT: 13.20 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: BF094507.D
 Acq: 19 Apr 2017 00:51

Instrument :
 BNA_F
 ClientSampleId :
 E2-X10-BASE

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	13.5	10.3	15.5

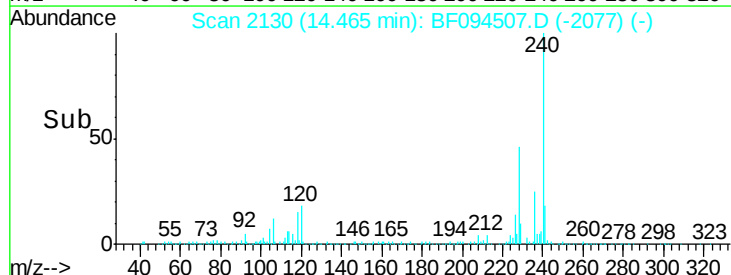
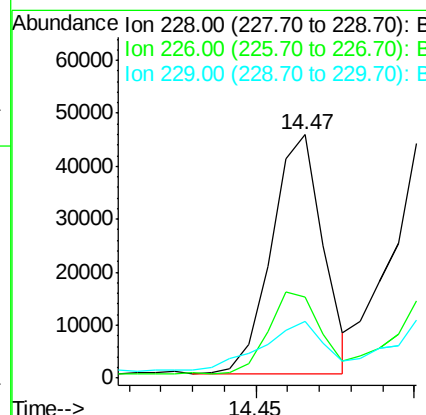
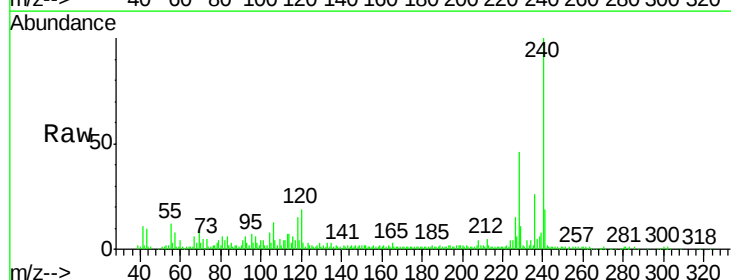
Manual Integrations
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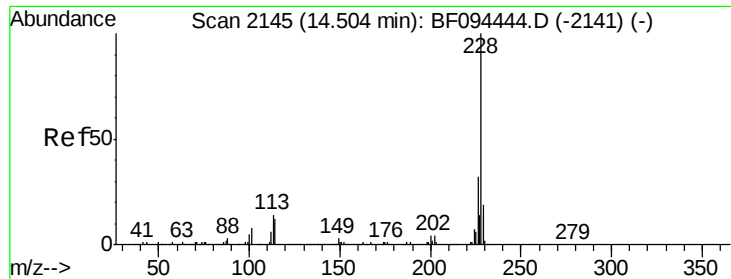
mohammad
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#80
 Benzo(a)anthracene
 Concen: 3.41 ng
 RT: 14.47 min Scan# 2130
 Delta R.T. 0.01 min
 Lab File: BF094507.D
 Acq: 19 Apr 2017 00:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.1	22.6	33.8
229	23.5	16.3	24.5





#82

Chrysene

Concen: 4.90 ng/mL

RT: 14.51 min Scan# 2137

Delta R.T. 0.00 min

Lab File: BF094507.D

Acq: 19 Apr 2017 00:51

Instrument :

BNA_F

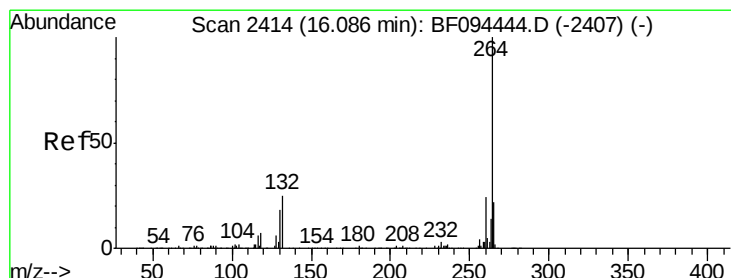
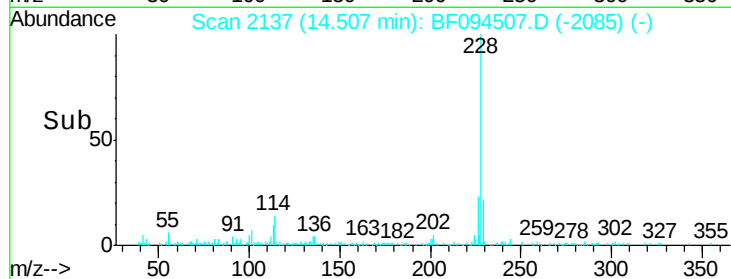
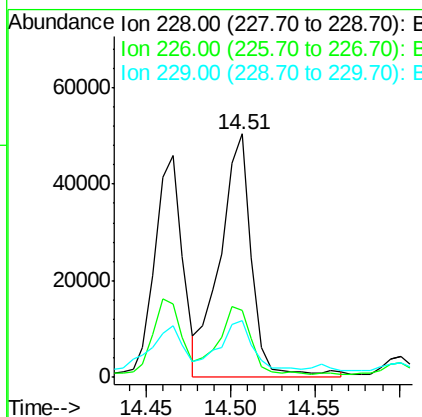
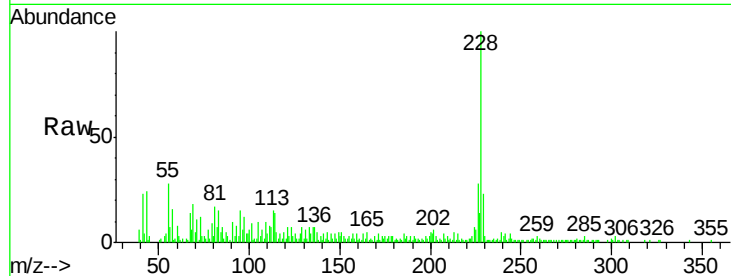
ClientSampleId :

E2-X10-BASE

Tot Ion:	228	Resp:	66894
Ion Ratio	Lower	Upper	
228	100		
226	27.8	24.9	37.3
229	23.1	15.8	23.6

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#86

Perylene-d12

Concen: 20.00 ng

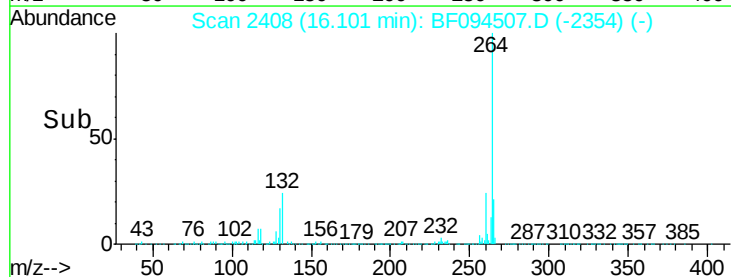
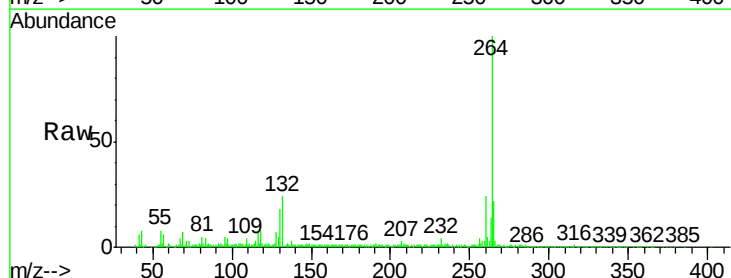
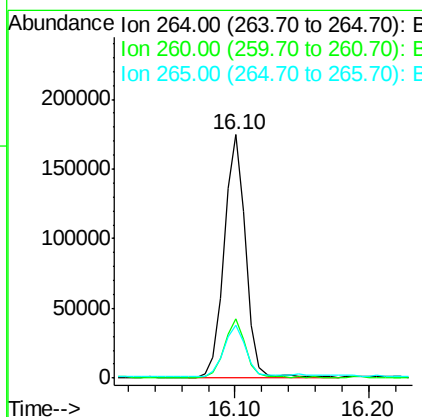
RT: 16.10 min Scan# 2408

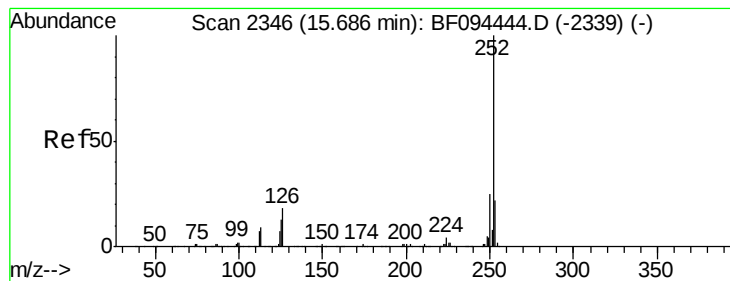
Delta R.T. 0.01 min

Lab File: BF094507.D

Acq: 19 Apr 2017 00:51

Tgt Ion:	264	Resp:	196300
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.5	29.3
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 6.01 ng

RT: 15.70 min Scan# 2340

Delta R.T. 0.01 min

Lab File: BF094507.D

Acq: 19 Apr 2017 00:51

Instrument :

BNA_F

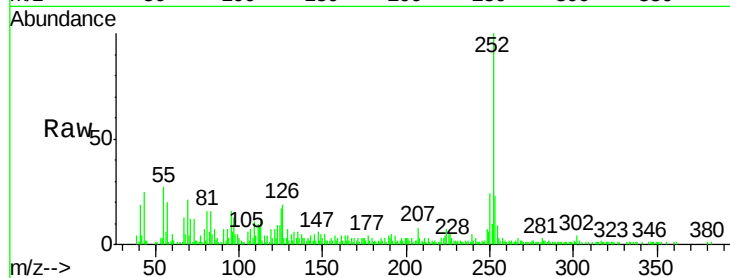
ClientSampleId :

E2-X10-BASE

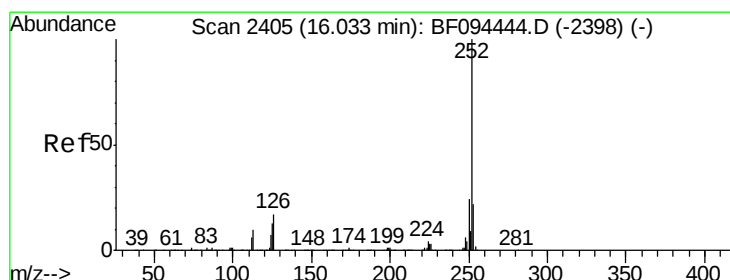
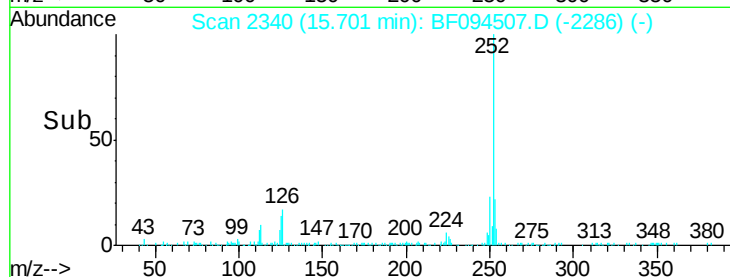
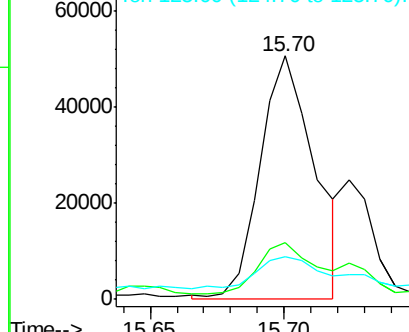
Tot Ion:	252	Resp:	72148
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.1	27.1
125	17.4	9.8	14.8

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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



#89

Benzo(a)pyrene

Concen: 3.57 ng

RT: 16.04 min Scan# 2398

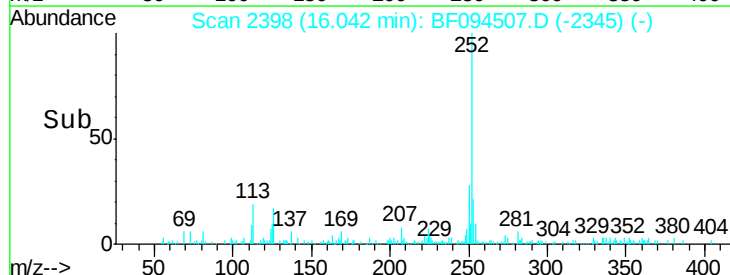
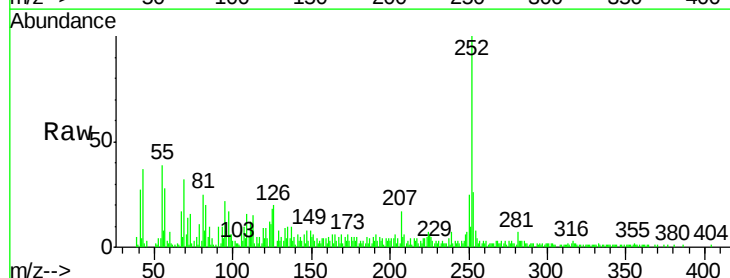
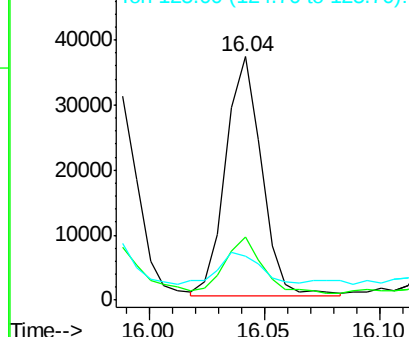
Delta R.T. 0.01 min

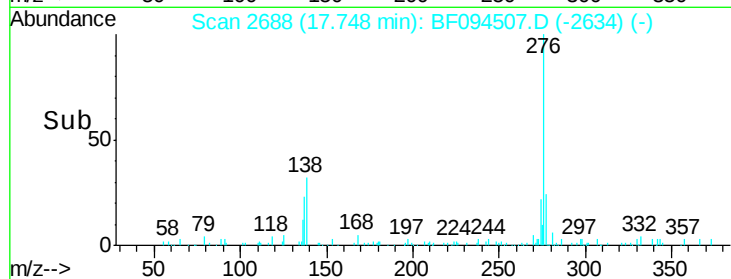
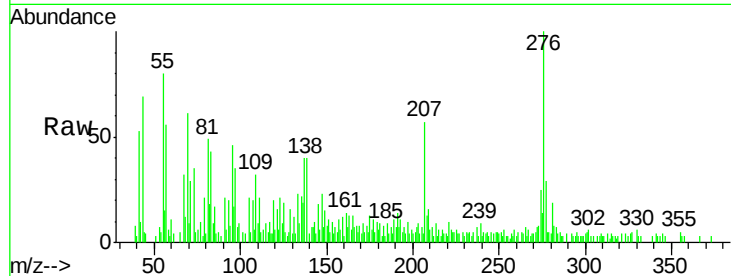
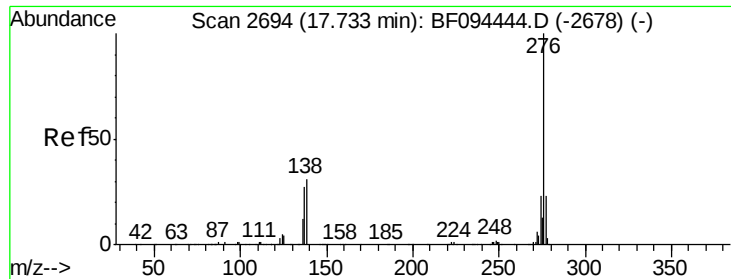
Lab File: BF094507.D

Acq: 19 Apr 2017 00:51

Tgt Ion:	252	Resp:	39879
Ion Ratio	Lower	Upper	
252	100		
253	25.9	17.5	26.3
125	18.1	11.0	16.4

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





#91

Benzo(a,h,i)perylene

Concen: 2.24 ng

RT: 17.75 min Scan# 2688

Delta R.T. 0.01 min

Lab File: BF094507.D

Acq: 19 Apr 2017 00:51

Instrument :

BNA_F

ClientSampleId :

E2-X10-BASE

Tot Ion: 276 Resp: 21151

Ion Ratio Lower Upper

276 100

277 28.9 18.6 28.0#

138 39.6 25.4 38.0#

Manual Integrations

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