

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094160.D
 Acq On : 4 Apr 2017 10:48
 Operator : SJ/MA
 Sample : I2510-09 2X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-M10-ESW

Manual Integrations
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Quant Time: Apr 04 11:53:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.89	152	169379	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	649374	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	248191	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	379041	20.00	ng	-0.02
75) Chrysene-d12	14.63	240	294731	20.00	ng	0.00
86) Perylene-d12	16.26	264	224297	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.42	112	457483	45.62	ng	-0.02
7) Phenol-d6	5.49	99	579230	46.69	ng	-0.02
23) Nitrobenzene-d5	6.53	82	306393	26.93	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	77261	39.39	ng	-0.02
44) 2-Fluorobiphenyl	8.72	172	643829	39.57	ng	-0.02
78) Terphenyl-d14	13.34	244	393226	29.91	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	7.42	128	181119	5.80	ng	98
37) 2-Methylnaphthalene	8.26	142	95352	4.58	ng	97
48) Acenaphthylene	9.36	152	573673	22.03	ng	99
49) Dimethylphthalate	9.21	163	63146	3.58	ng	98
54) Dibenzofuran	9.79	168	54051	2.61	ng	# 95
70) Phenanthrene	11.39	178	528798	25.08	ng	100
71) Anthracene	11.45	178	447987	20.63	ng	98
72) Carbazole	11.65	167	189710	8.52	ng	97
74) Fluoranthene	12.87	202	2040131	94.49	ng	100
77) Pyrene	13.14	202	1838987	85.98	ng	99
80) Benzo(a)anthracene	14.62	228	1018643	59.27	ng	94
82) Chrysene	14.66	228	1142985	71.66	ng	98
85) Indeno(1,2,3-cd)pyrene	17.61	276	473908	34.31	ng	95
87) Benzo(b)fluoranthene	15.86	252	1436938m	104.52	ng	
88) Benzo(k)fluoranthene	15.88	252	396353m	29.46	ng	
89) Benzo(a)pyrene	16.20	252	641186	50.64	ng	98
90) Dibenzo(a,h)anthracene	17.62	278	114430	10.67	ng	93
91) Benzo(g,h,i)perylene	18.01	276	409187	37.87	ng	98

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

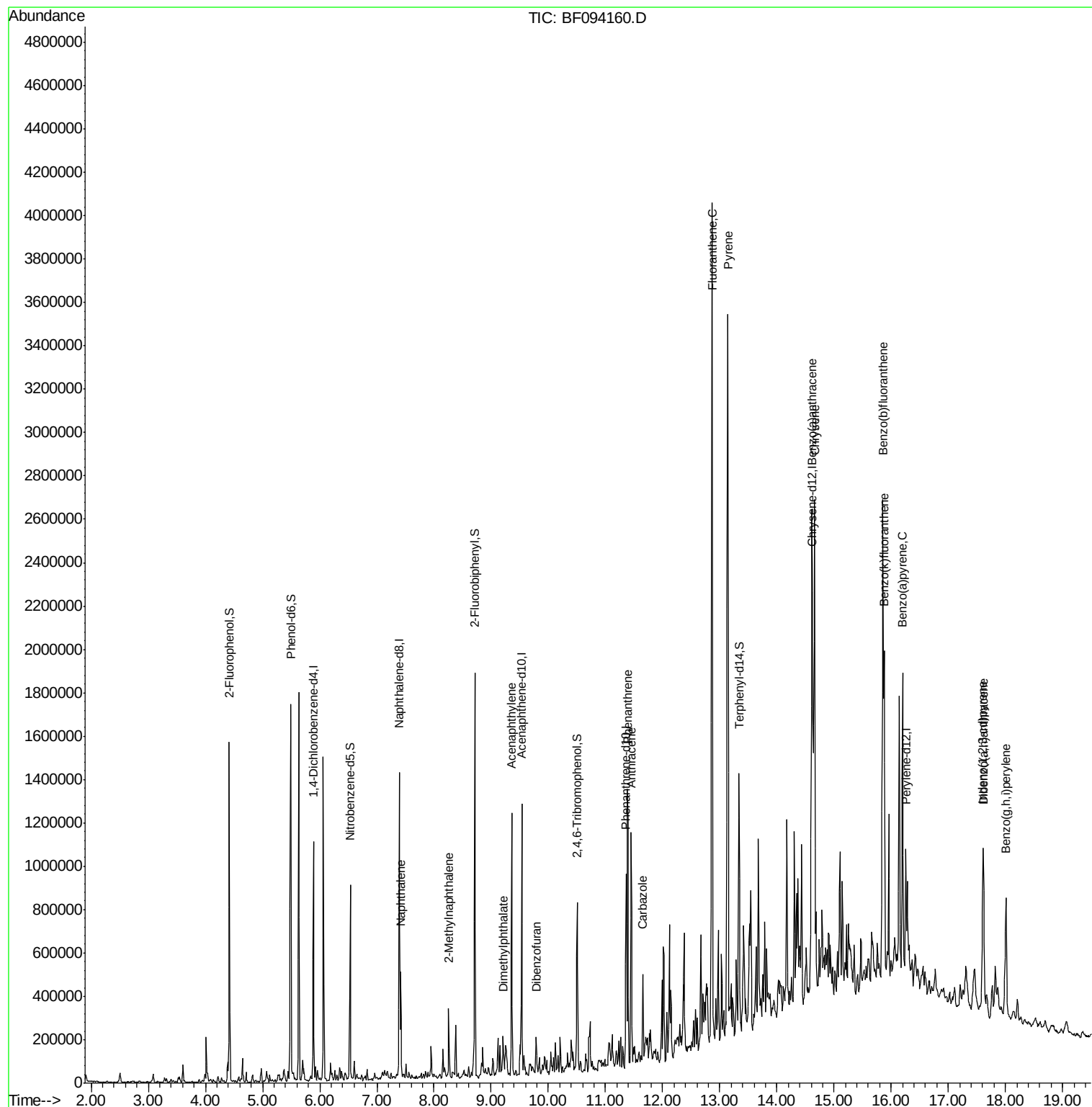
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
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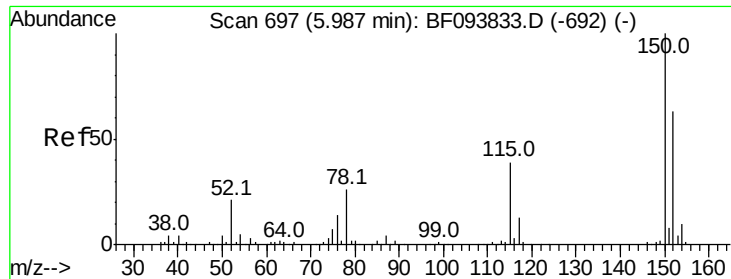
Instrument :
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E2-M10-ESW

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#1

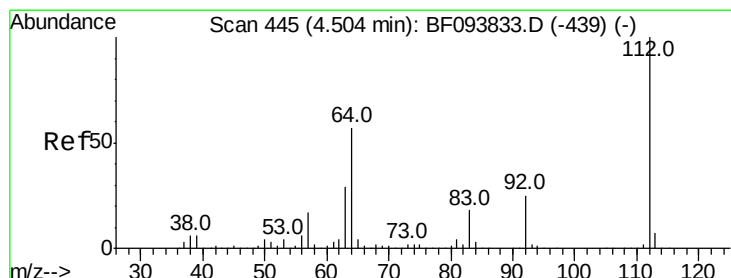
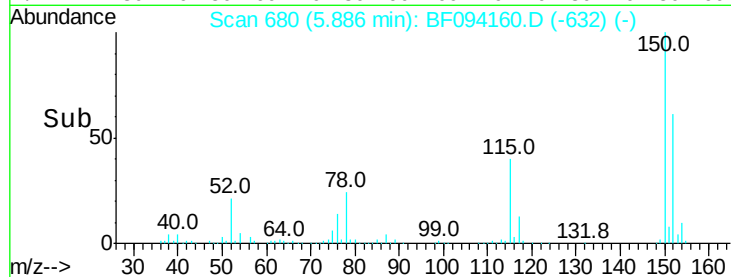
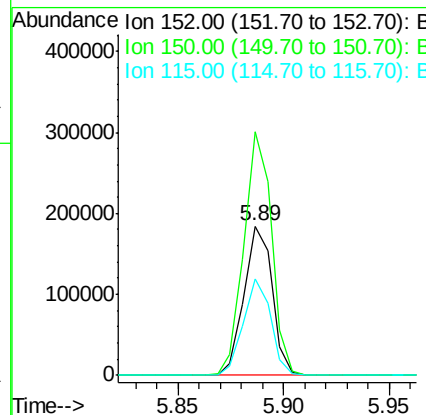
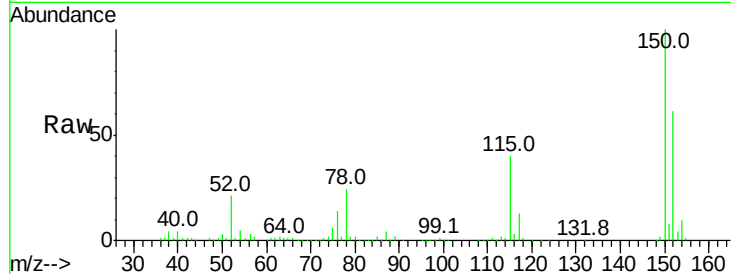
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.89 min Scan# 680
 Delta R.T. -0.02 min
 Lab File: BF094160.D
 Acq: 4 Apr 2017 10:48

Instrument :
 BNA_F
 ClientSampleId :
 E2-M10-ESW

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.3	126.2	189.2
115	64.6	52.2	78.2

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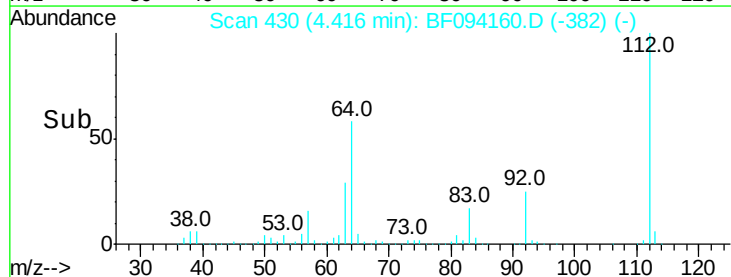
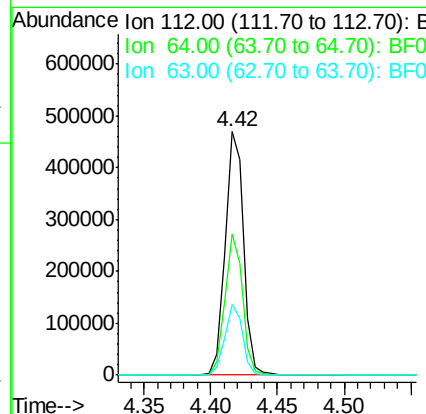
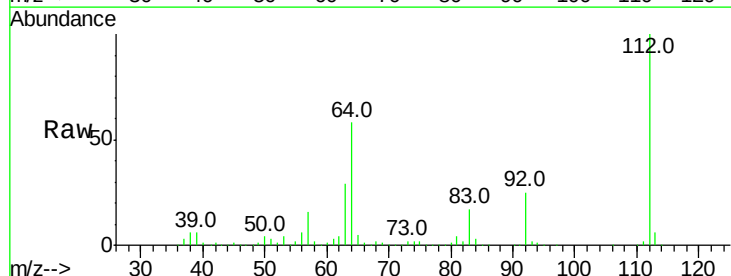
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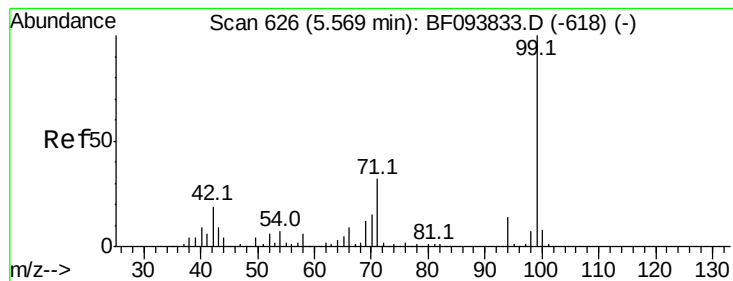


#5

2-Fluorophenol
 Concen: 45.62 ng
 RT: 4.42 min Scan# 430
 Delta R.T. -0.02 min
 Lab File: BF094160.D
 Acq: 4 Apr 2017 10:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	46.0	69.0
63	29.1	23.4	35.0





#7

Phenol-d6

Concen: 46.69 ng

RT: 5.49 min Scan# 613

Delta R.T. -0.02 min

Lab File: BF094160.D

Acq: 4 Apr 2017 10:48

Instrument :

BNA_F

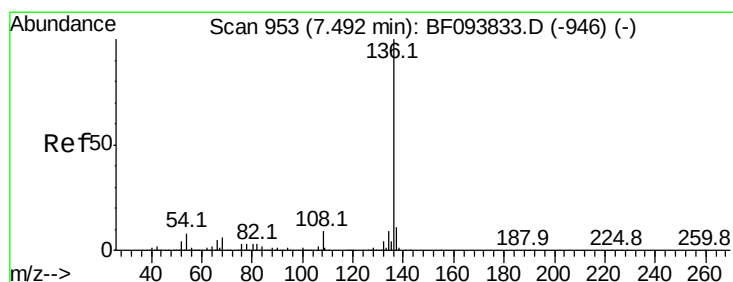
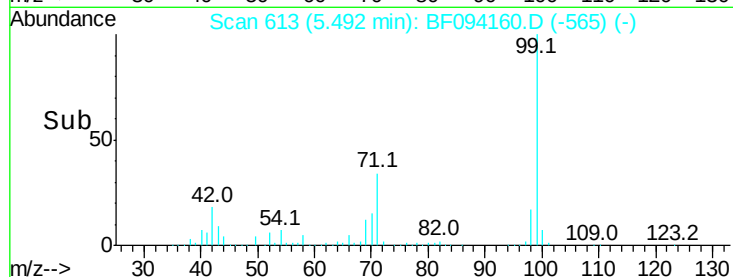
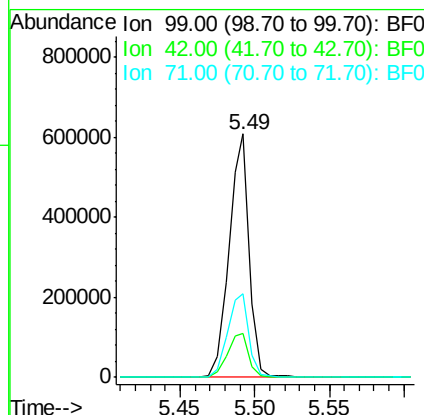
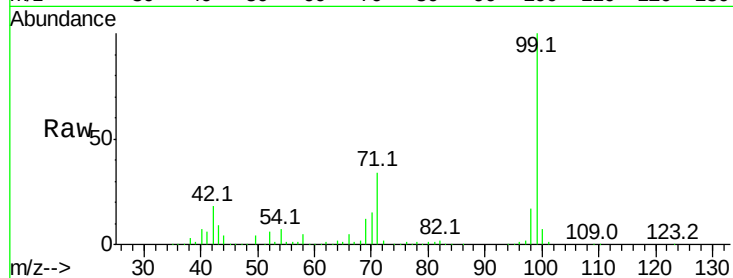
ClientSampleId :

E2-M10-ESW

Tot Ion:	99	Resp:	579230
Ion Ratio	Lower	Upper	
99	100		
42	17.9	13.5	20.3
71	34.4	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.00 ng

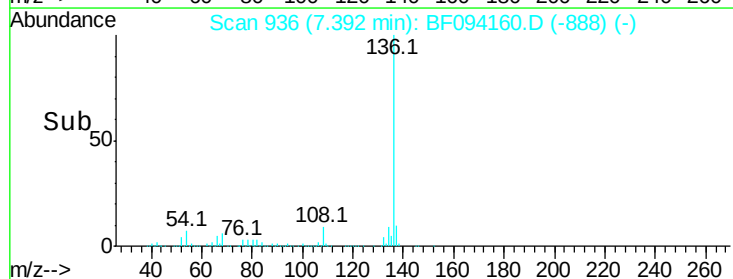
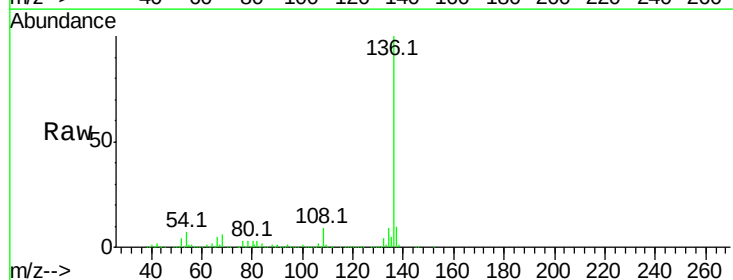
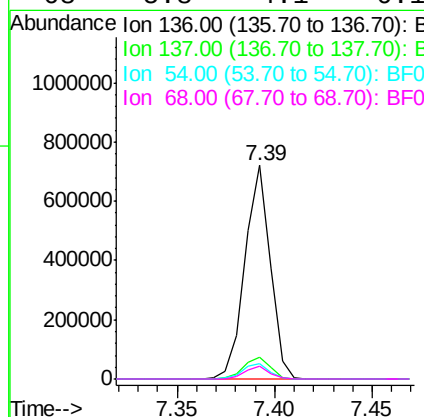
RT: 7.39 min Scan# 936

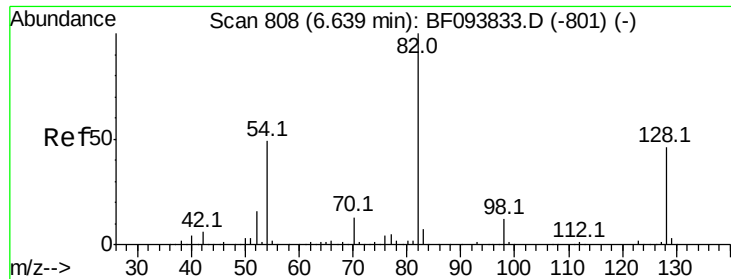
Delta R.T. -0.02 min

Lab File: BF094160.D

Acq: 4 Apr 2017 10:48

Tgt Ion:	136	Resp:	649374
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.5	12.7
54	7.3	4.9	7.3
68	5.8	4.1	6.1





#23

Nitrobenzene-d5

Concen: 26.93 ng

RT: 6.53 min Scan# 790

Delta R.T. -0.02 min

Lab File: BF094160.D

Acq: 4 Apr 2017 10:48

Instrument :

BNA_F

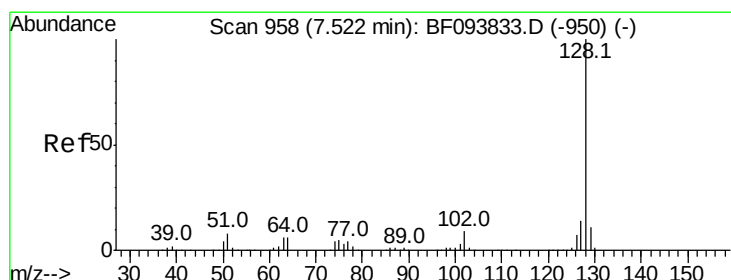
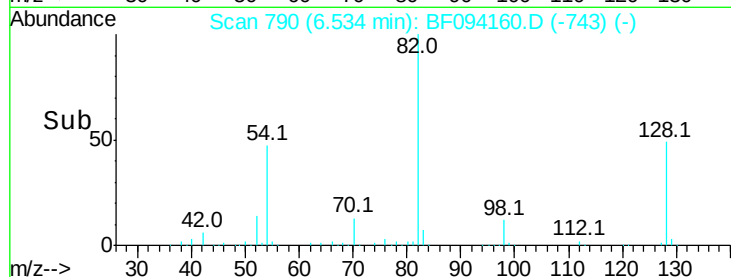
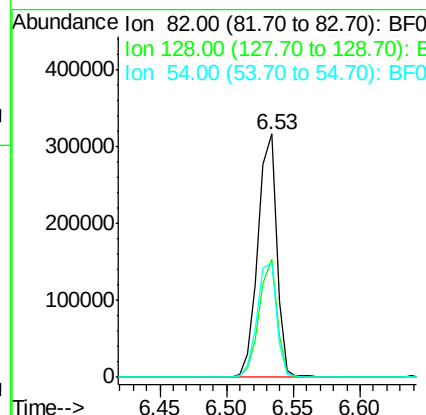
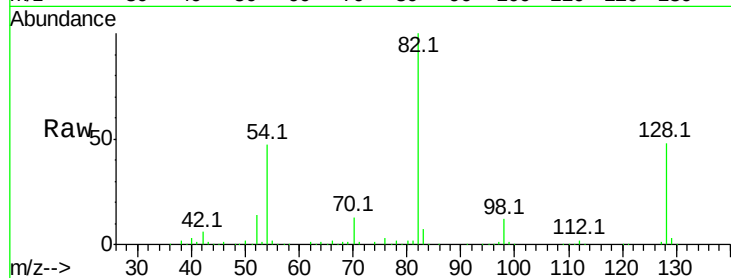
ClientSampleId :

E2-M10-ESW

Tot Ion:	82	Resp:	306393
Ion Ratio	Lower	Upper	
82	100		
128	48.4	34.0	51.0
54	47.2	42.2	63.2

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#31

Naphthalene

Concen: 5.80 ng

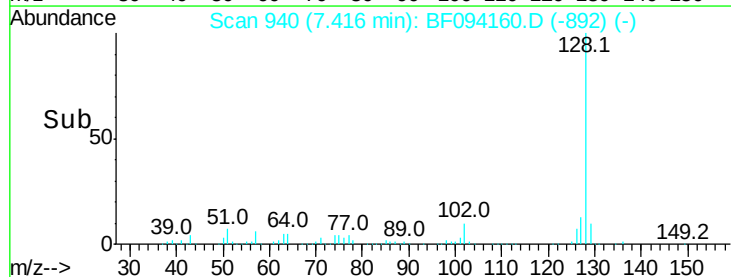
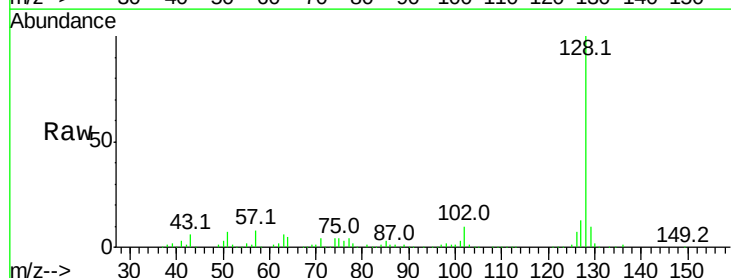
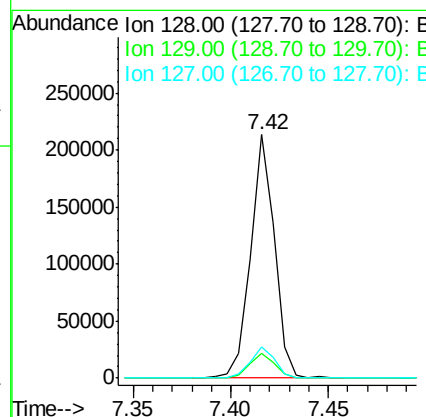
RT: 7.42 min Scan# 940

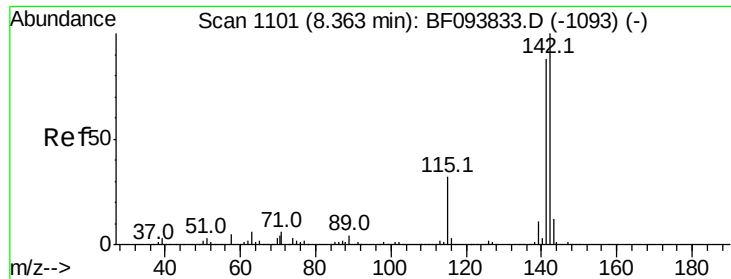
Delta R.T. -0.02 min

Lab File: BF094160.D

Acq: 4 Apr 2017 10:48

Tgt Ion:	128	Resp:	181119
Ion Ratio	Lower	Upper	
128	100		
129	10.4	9.0	13.6
127	12.9	10.8	16.2





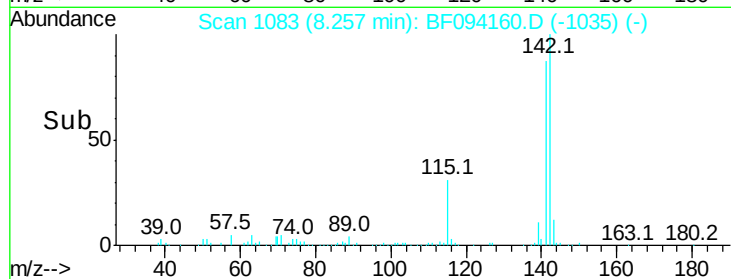
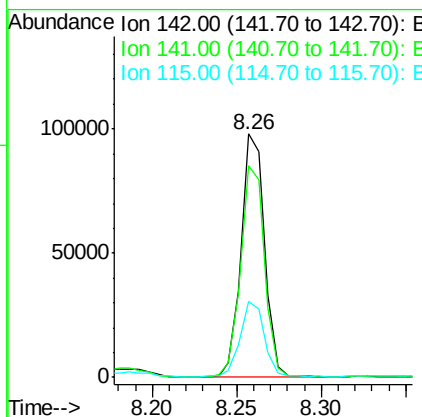
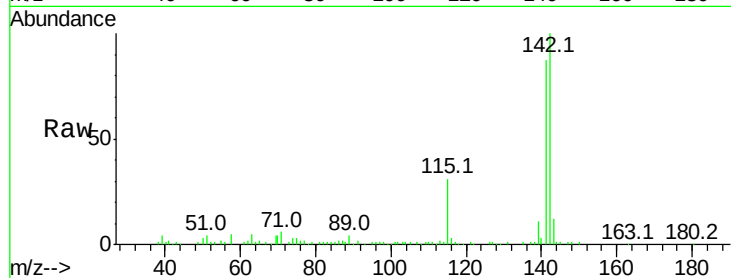
#37
 2-Methylnaphthalene
 Concen: 4.58 ng
 RT: 8.26 min Scan# 1083
 Delta R.T. -0.02 min
 Lab File: BF094160.D
 Acq: 4 Apr 2017 10:48

Instrument :
 BNA_F
 ClientSampleId :
 E2-M10-ESW

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.9	71.3	106.9
115	31.2	27.1	40.7

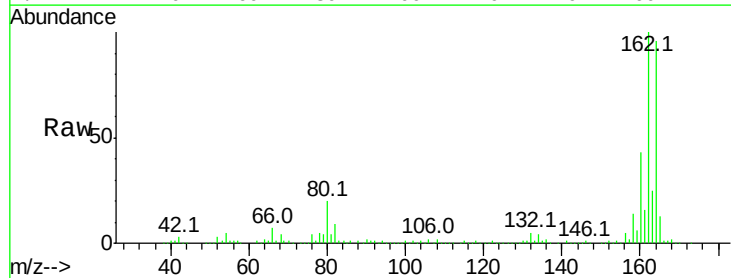
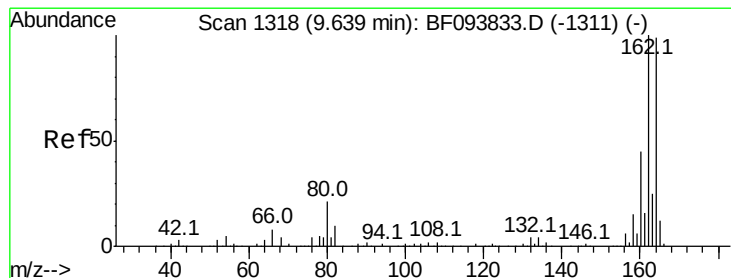
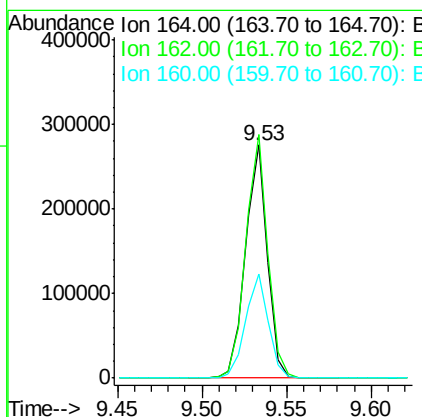
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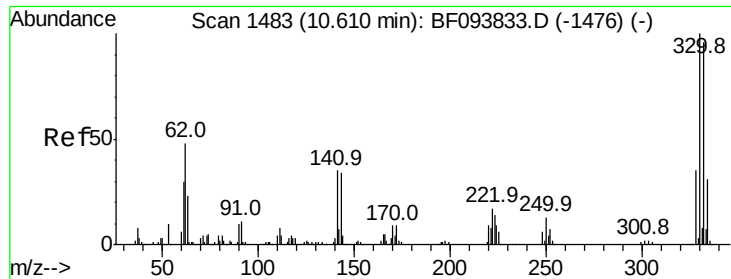
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF094160.D
 Acq: 4 Apr 2017 10:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	82.6	123.8
160	44.7	36.2	54.2





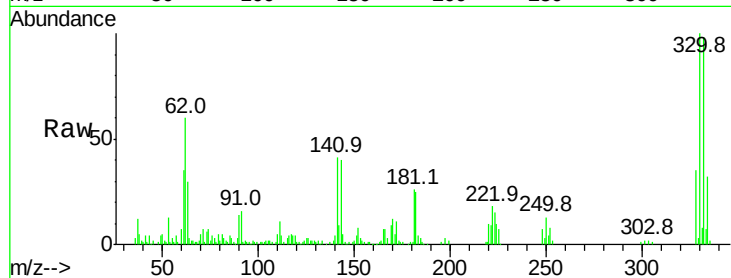
#41
 2,4,6-Tribromophenol
 Concen: 39.39 ng
 RT: 10.50 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: BF094160.D
 Acq: 4 Apr 2017 10:48

Instrument :
 BNA_F
 ClientSampleId :
 E2-M10-ESW

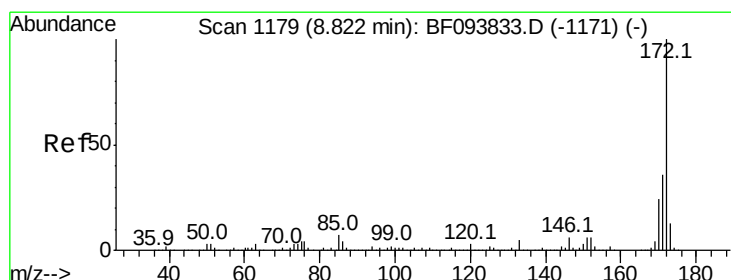
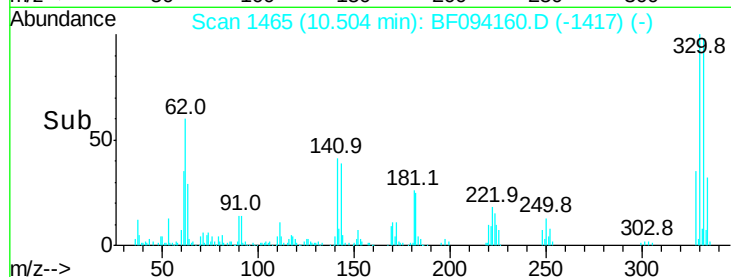
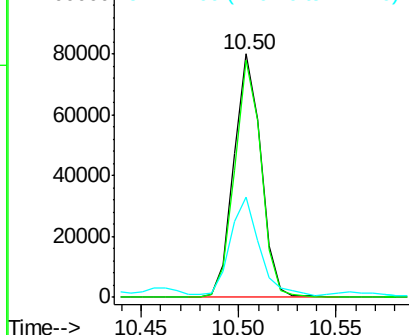
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.6	115.0
141	43.3	31.4	47.2

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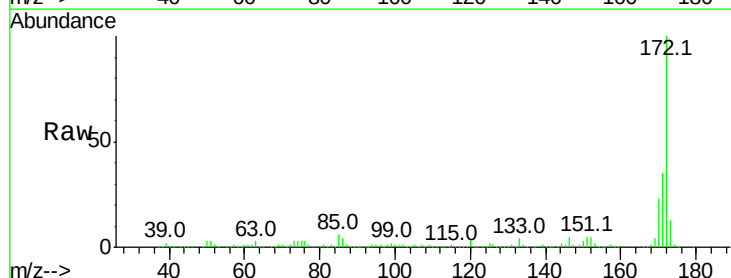


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

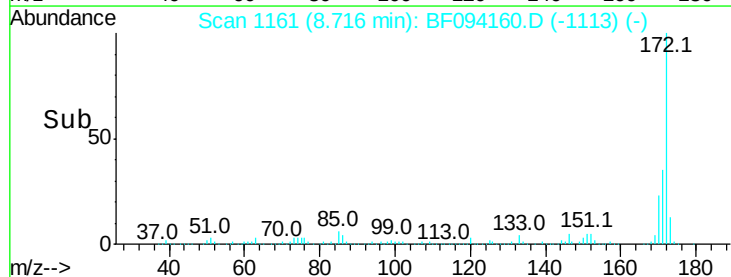
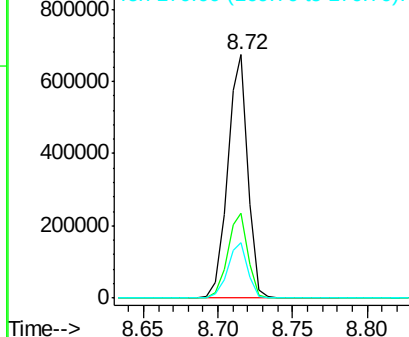


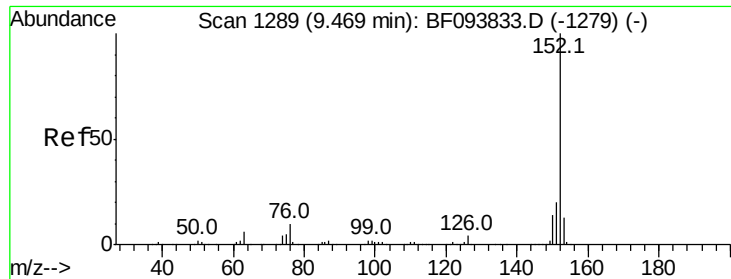
#44
 2-Fluorobiphenyl
 Concen: 39.57 ng
 RT: 8.72 min Scan# 1161
 Delta R.T. -0.02 min
 Lab File: BF094160.D
 Acq: 4 Apr 2017 10:48

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.6	44.4
170	22.6	19.8	29.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





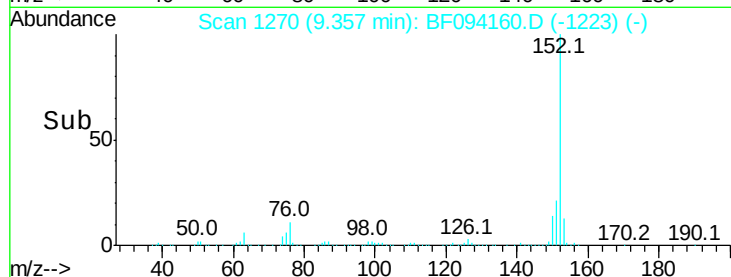
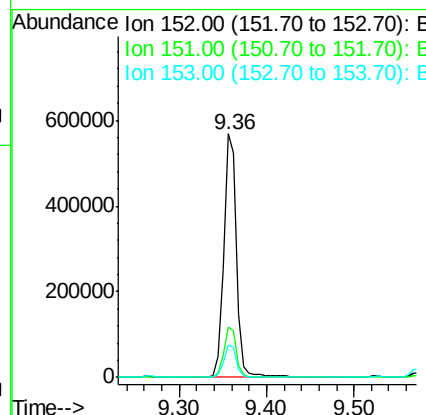
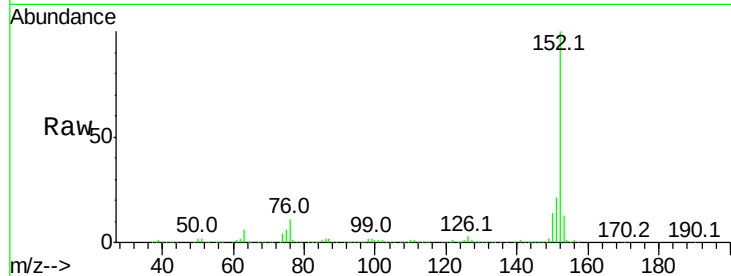
#48
 Acenaphthylene
 Concen: 22.03 ng
 RT: 9.36 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: BF094160.D
 Acq: 4 Apr 2017 10:48

Instrument :
 BNA_F
 ClientSampleId :
 E2-M10-ESW

Tot Ion:	152	Resp:	573673
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.8	25.2
153	13.3	10.8	16.2

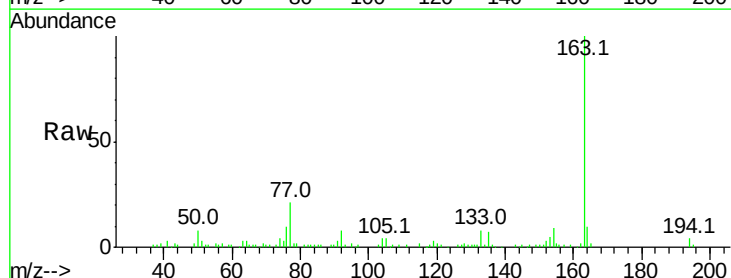
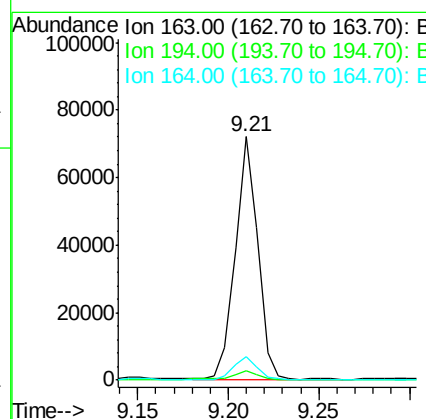
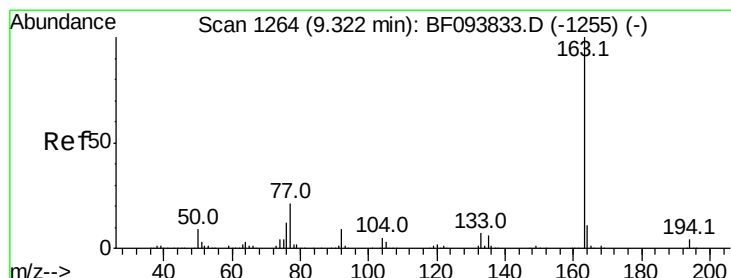
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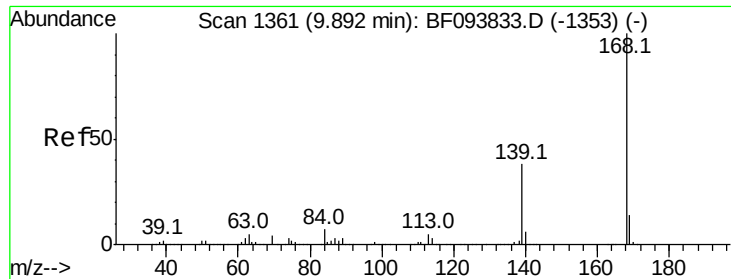
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#49
 Dimethylphthalate
 Concen: 3.58 ng
 RT: 9.21 min Scan# 1245
 Delta R.T. -0.04 min
 Lab File: BF094160.D
 Acq: 4 Apr 2017 10:48

Tgt Ion:	163	Resp:	63146
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.6	4.0
164	9.9	8.4	12.6





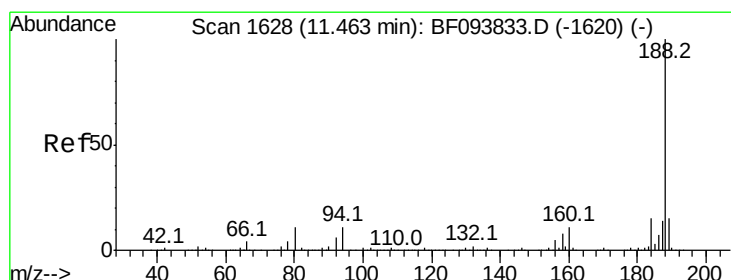
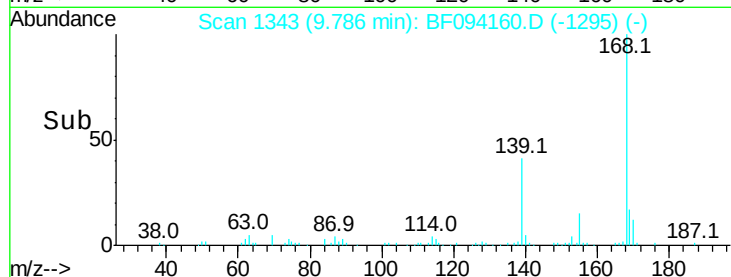
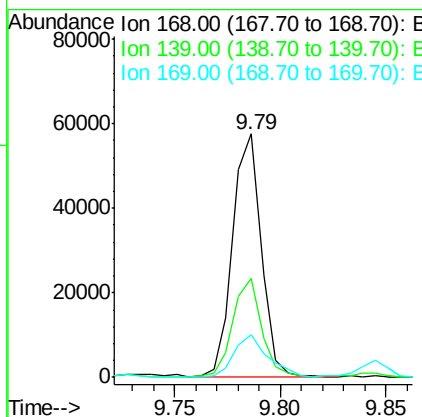
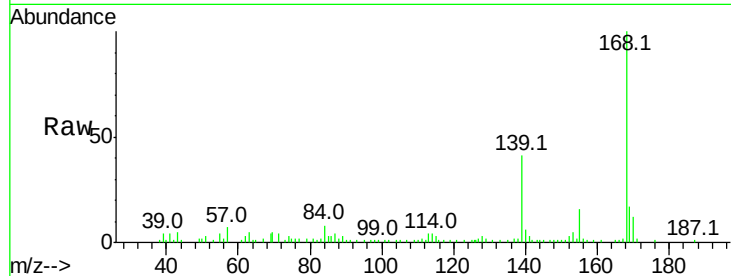
#54
Dibenzenofuran
Concen: 2.61 ng
RT: 9.79 min Scan# 1343
Delta R.T. -0.02 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

Instrument :
BNA_F
ClientSampleId :
E2-M10-ESW

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.5	30.6	45.8
169	17.4	10.8	16.2

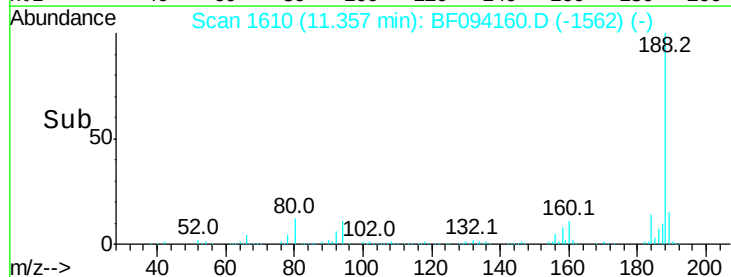
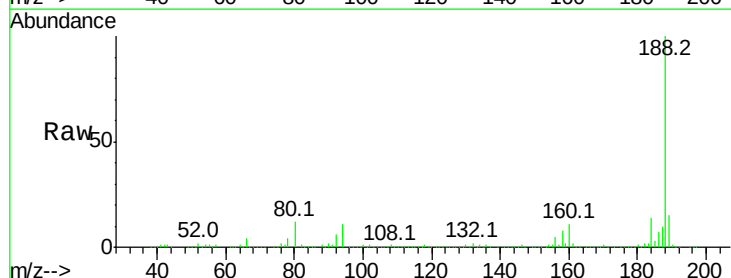
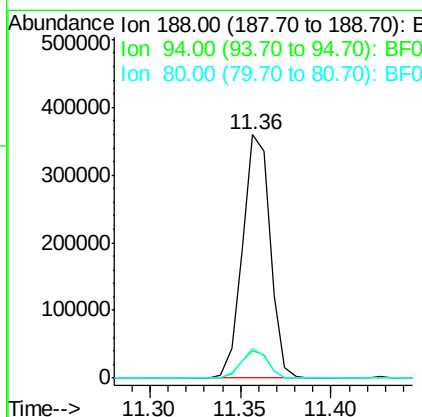
Manual Integrations
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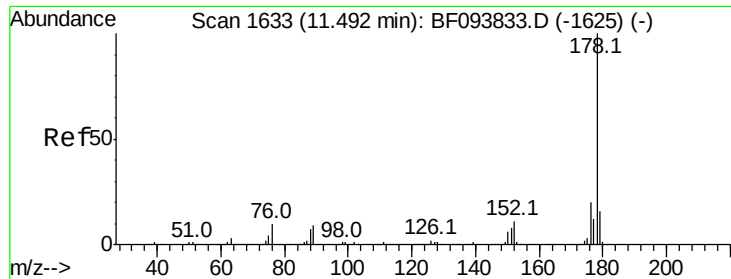
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.02 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.4	14.2
80	12.1	10.2	15.2





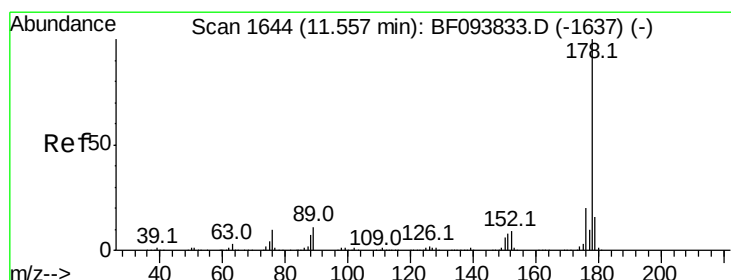
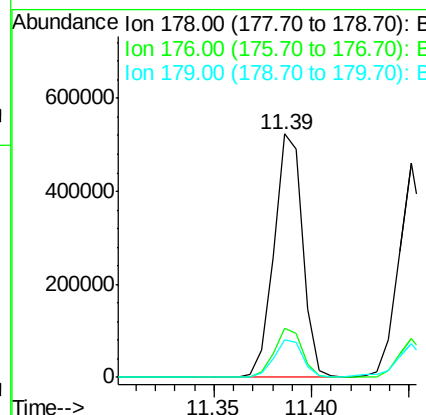
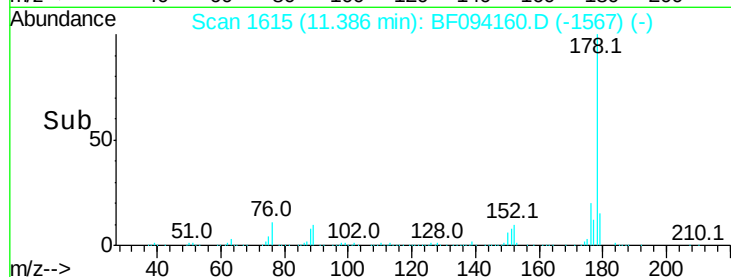
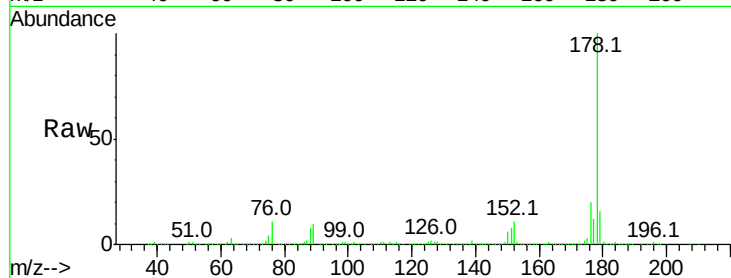
#70
Phenanthrene
Concen: 25.08 ng
RT: 11.39 min Scan# 1615
Delta R.T. -0.02 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

Instrument :
BNA_F
ClientSampleId :
E2-M10-ESW

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.2	24.4
179	15.6	12.6	19.0

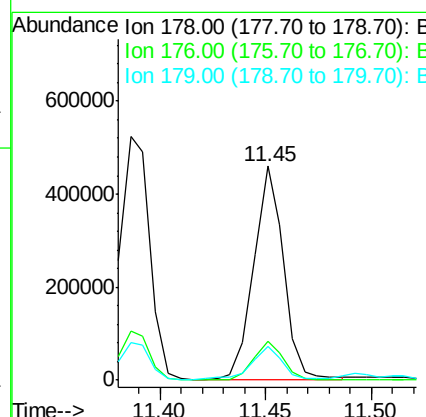
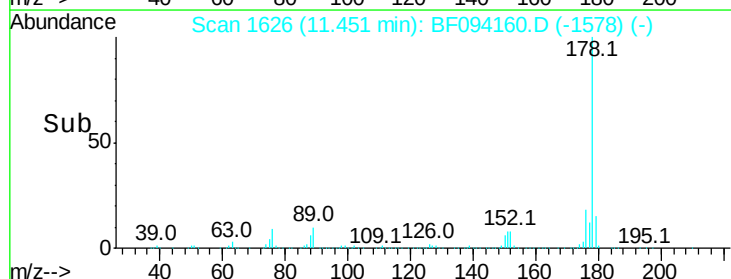
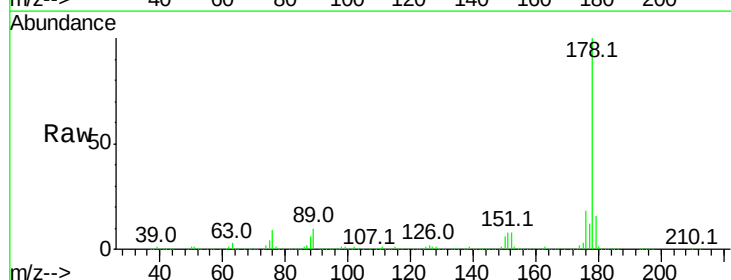
Manual Integrations
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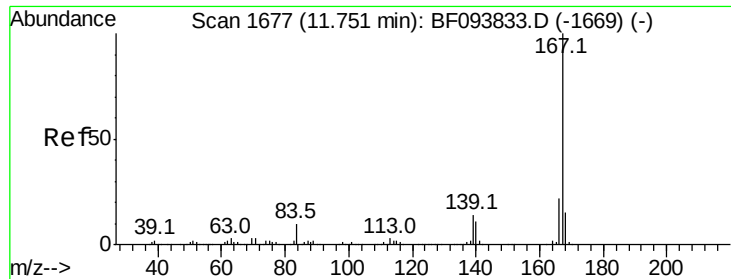
mohammad
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#71
Anthracene
Concen: 20.63 ng
RT: 11.45 min Scan# 1626
Delta R.T. -0.02 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.8	23.8
179	15.5	12.7	19.1





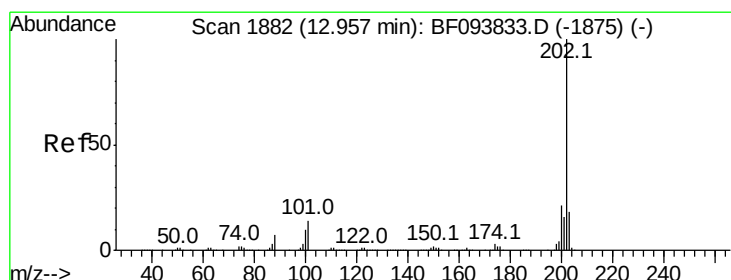
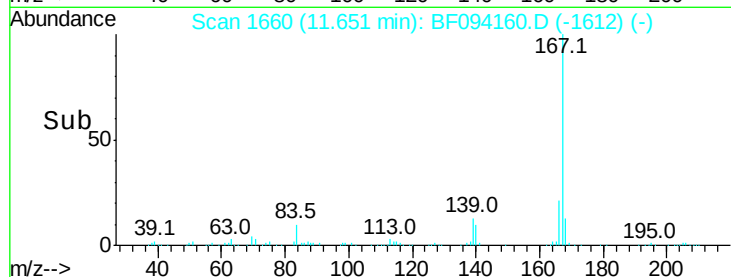
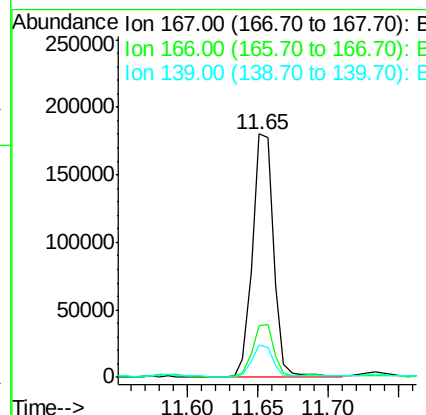
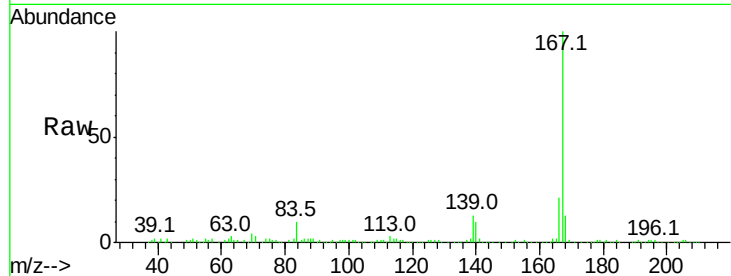
#72
 Carbazole
 Concen: 8.52 ng
 RT: 11.65 min Scan# 1660
 Delta R.T. -0.02 min
 Lab File: BF094160.D
 Acq: 4 Apr 2017 10:48

Instrument :
 BNA_F
 ClientSampleId :
 E2-M10-ESW

Tot Ion	Ratio	Resp	Lower	Upper
167	100	189710		
166	21.1		18.1	27.1
139	13.5		11.7	17.5

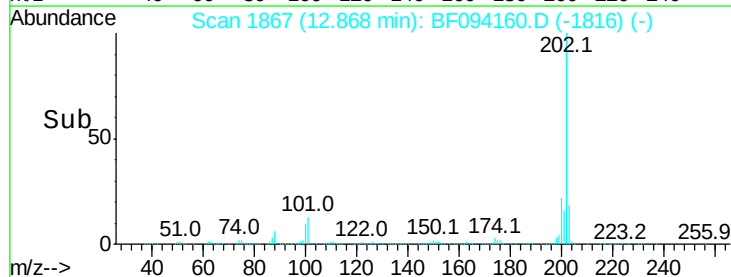
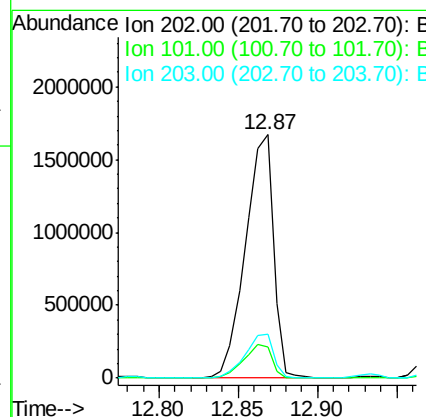
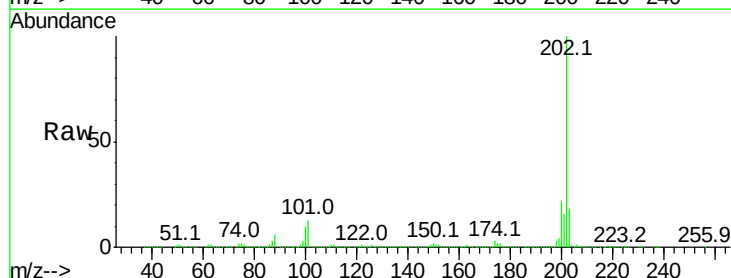
Manual Integrations
 APPROVED

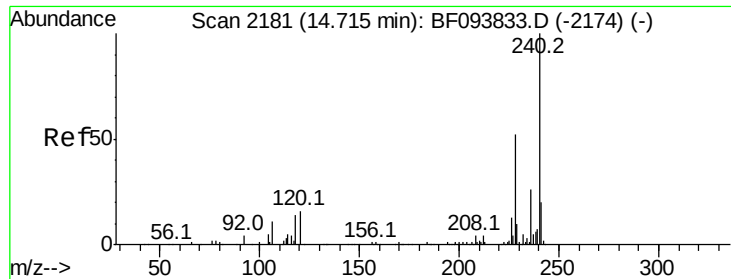
mohammad
 4/4/2017 5:35:30 PM



#74
 Fluoranthene
 Concen: 94.49 ng
 RT: 12.87 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: BF094160.D
 Acq: 4 Apr 2017 10:48

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	2040131		
101	13.0		0.0	33.2
203	18.1		0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.63 min Scan# 2166

Delta R.T. -0.00 min

Lab File: BF094160.D

Acq: 4 Apr 2017 10:48

Instrument :

BNA_F

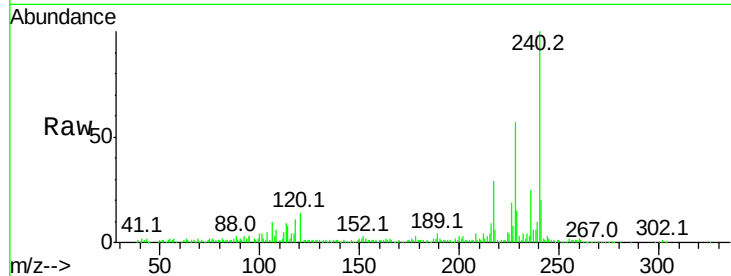
ClientSampleId :

E2-M10-ESW

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.8	5.8	8.8#
236	24.7	20.5	30.7

Manual Integrations
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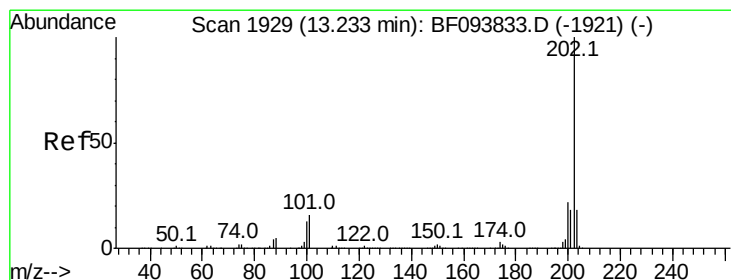
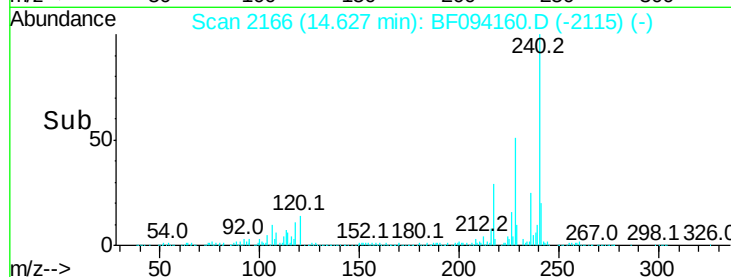
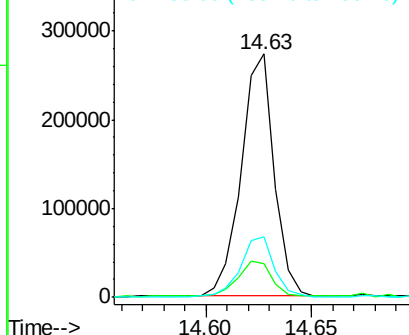
mohammad
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 85.98 ng

RT: 13.14 min Scan# 1914

Delta R.T. -0.00 min

Lab File: BF094160.D

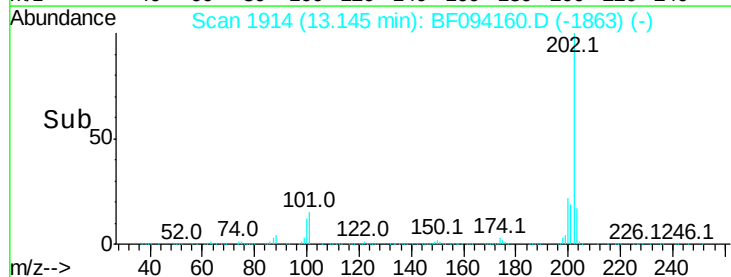
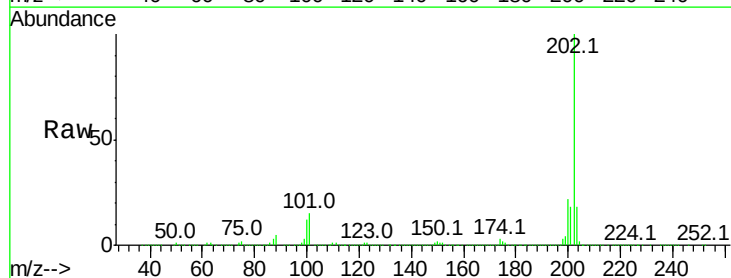
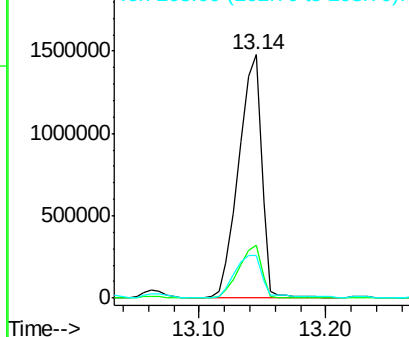
Acq: 4 Apr 2017 10:48

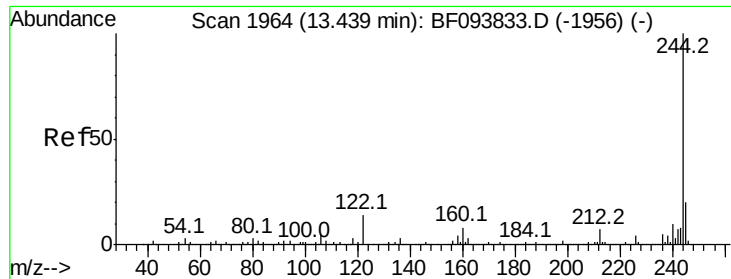
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.6	26.4
203	17.7	14.4	21.6

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: 29.91 ng

RT: 13.34 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BF094160.D

Acq: 4 Apr 2017 10:48

Instrument :

BNA_F

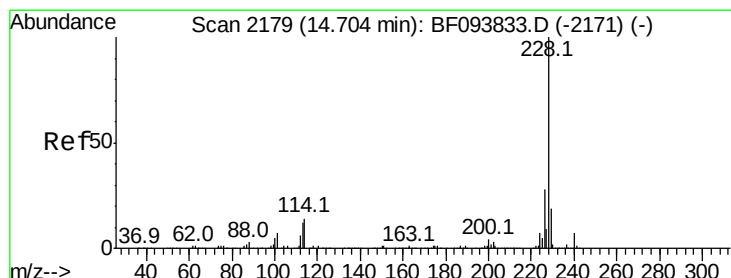
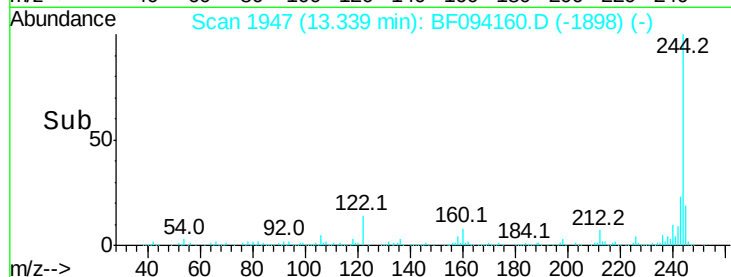
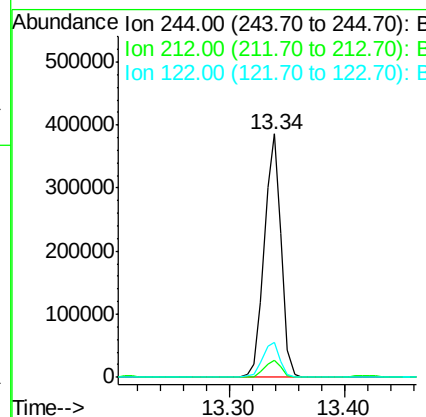
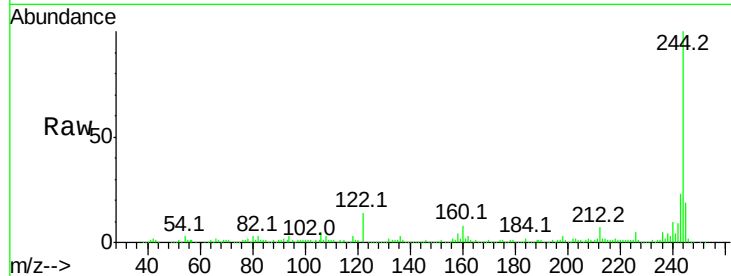
ClientSampleId :

E2-M10-ESW

Tot Ion:	244	Resp:	393226
Ion Ratio	Lower	Upper	
244	100		
212	7.1	6.0	9.0
122	14.2	10.3	15.5

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 59.27 ng

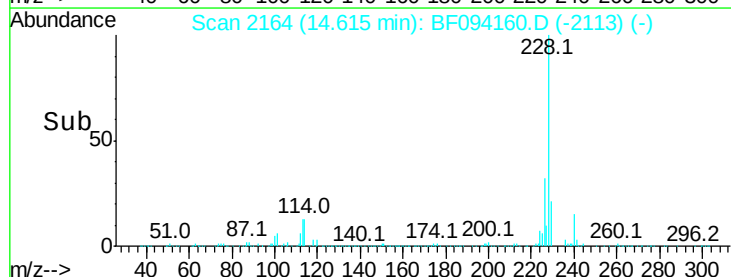
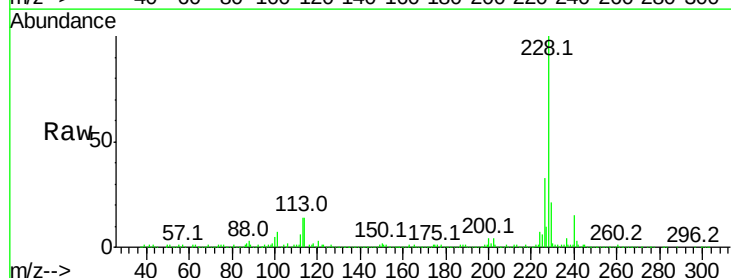
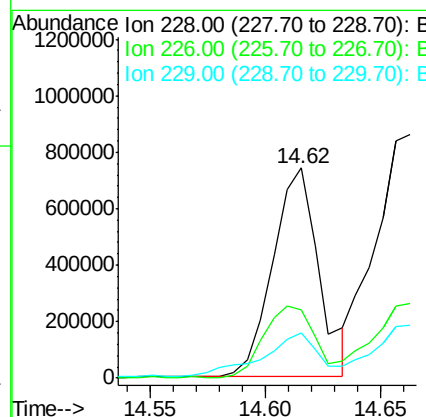
RT: 14.62 min Scan# 2164

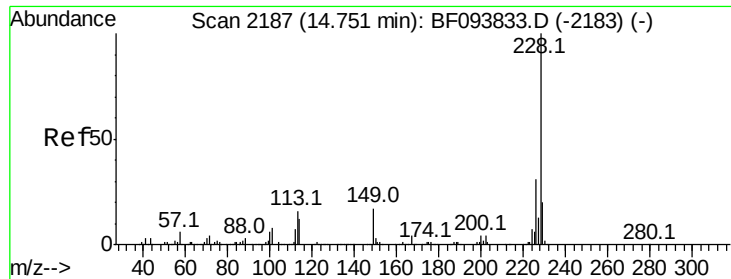
Delta R.T. -0.00 min

Lab File: BF094160.D

Acq: 4 Apr 2017 10:48

Tgt Ion:	228	Resp:	1018643
Ion Ratio	Lower	Upper	
228	100		
226	32.5	22.6	33.8
229	21.3	16.3	24.5





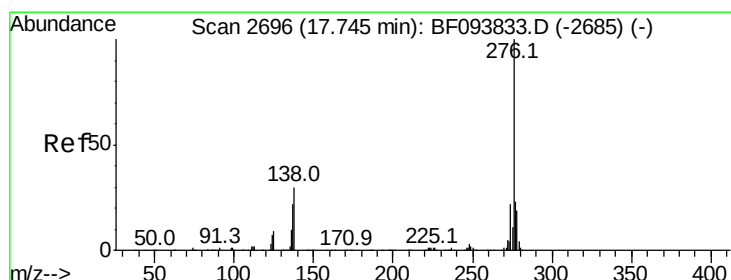
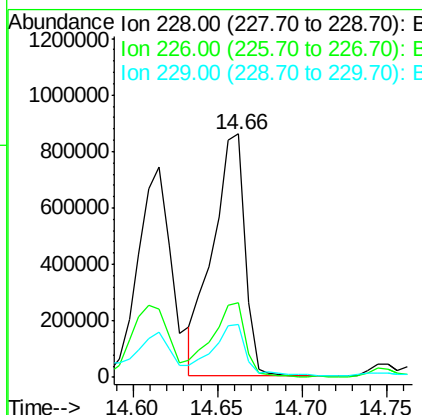
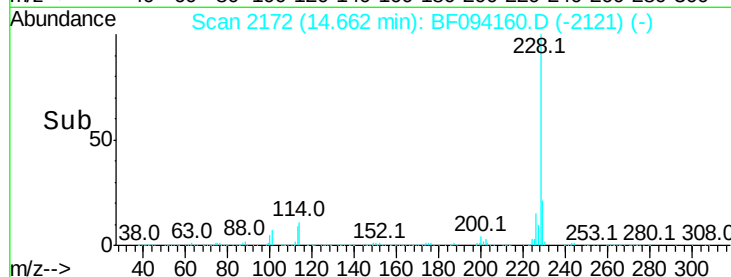
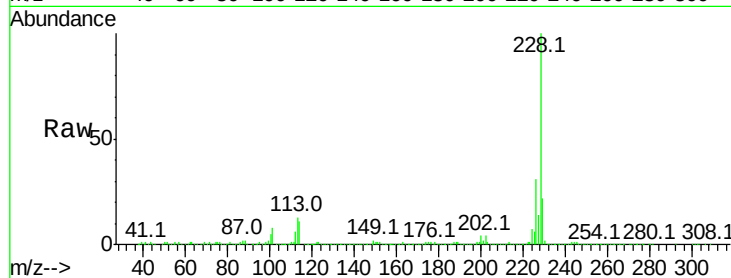
#82
 Chrysene
 Concen: 71.66 ng
 RT: 14.66 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: BF094160.D
 Acq: 4 Apr 2017 10:48

Instrument :
 BNA_F
 ClientSampleId :
 E2-M10-ESW

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.9	37.3
229	21.5	15.8	23.6

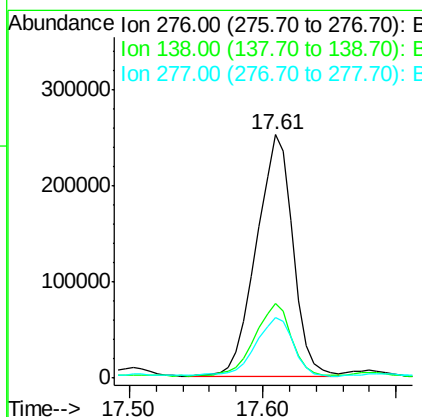
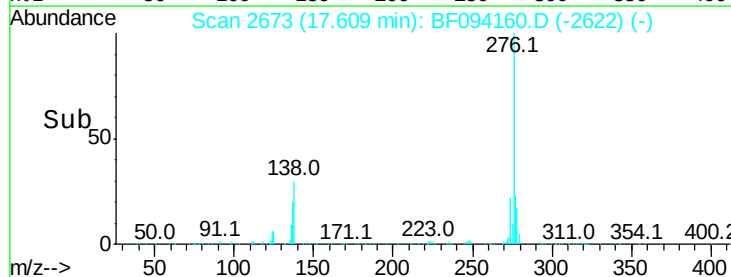
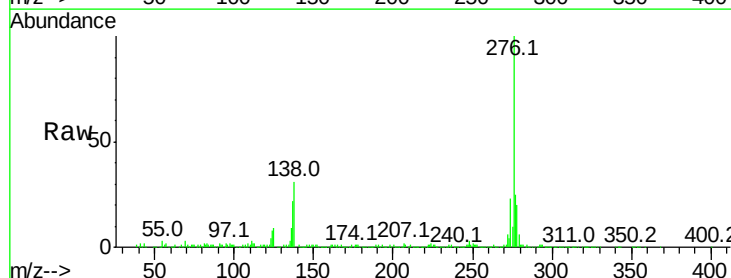
Manual Integrations
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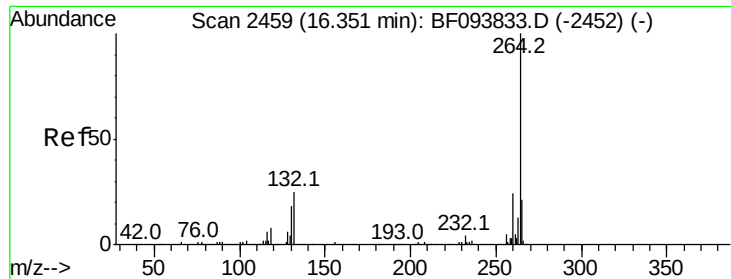
mohammad
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 34.31 ng
 RT: 17.61 min Scan# 2673
 Delta R.T. -0.00 min
 Lab File: BF094160.D
 Acq: 4 Apr 2017 10:48

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.1	27.8	41.6
277	25.6	20.2	30.4





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.26 min Scan# 2443

Delta R.T. 0.01 min

Lab File: BF094160.D

Acq: 4 Apr 2017 10:48

Instrument :

BNA_F

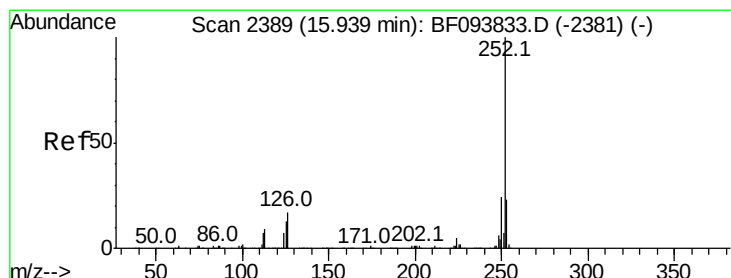
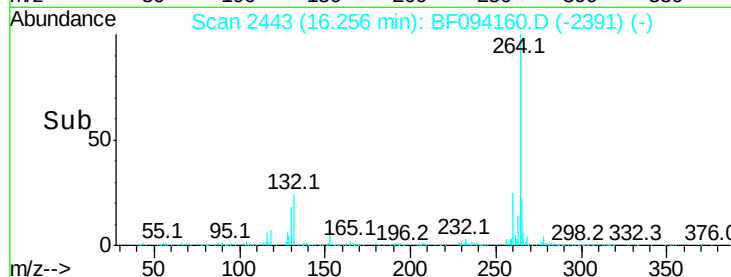
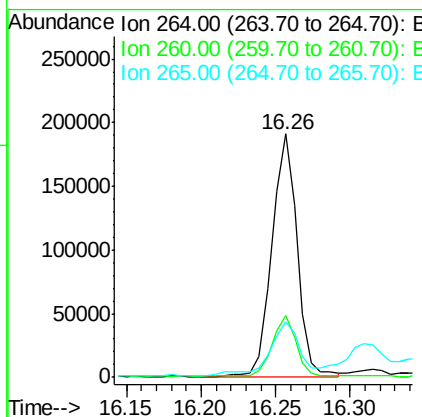
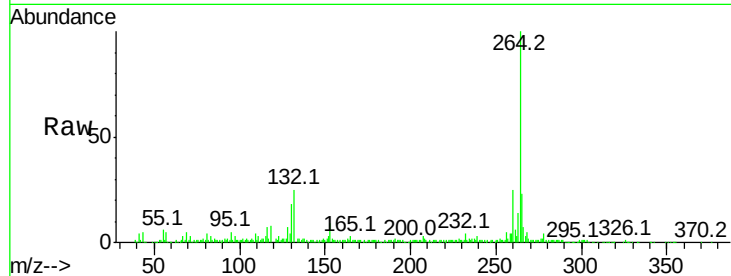
ClientSampleId :

E2-M10-ESW

Tot Ion:	264	Resp:	224297
Ion Ratio	Lower	Upper	
264	100		
260	25.3	19.5	29.3
265	23.0	17.2	25.8

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 104.52 ng m

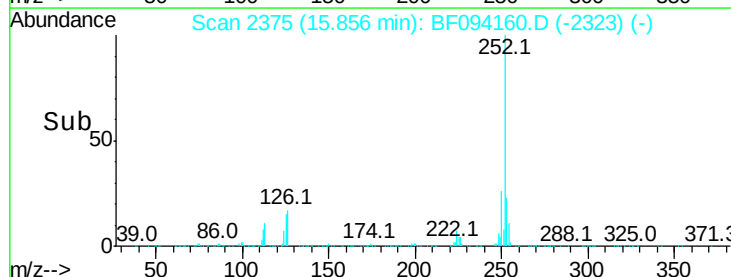
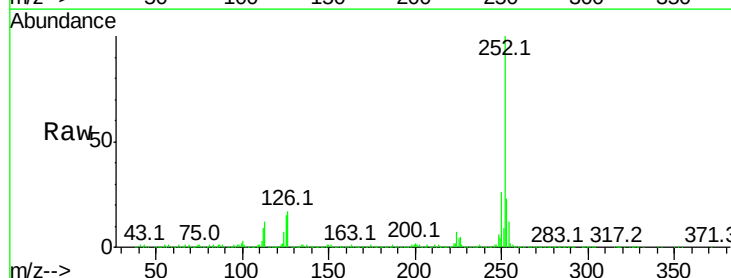
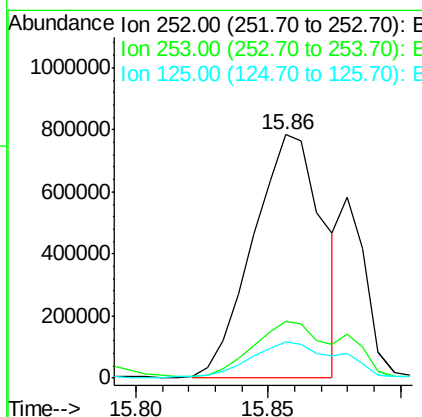
RT: 15.86 min Scan# 2375

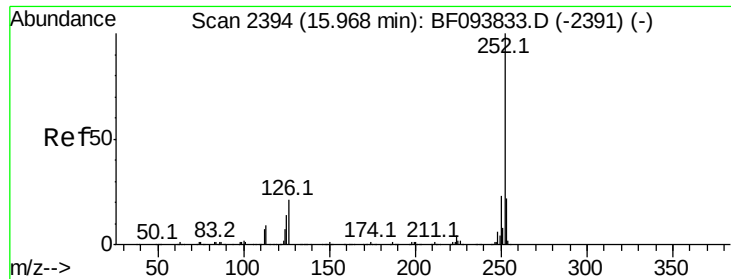
Delta R.T. 0.01 min

Lab File: BF094160.D

Acq: 4 Apr 2017 10:48

Tgt Ion:	252	Resp:	1436938
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.1	27.1
125	15.0	9.8	14.8#





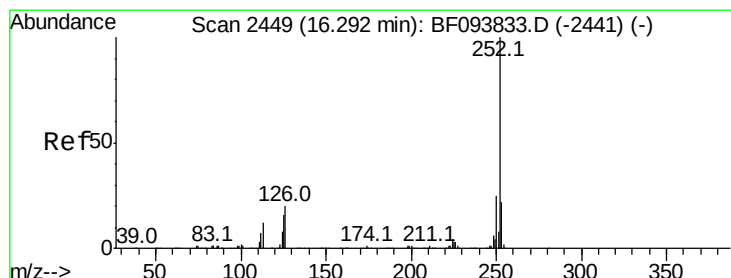
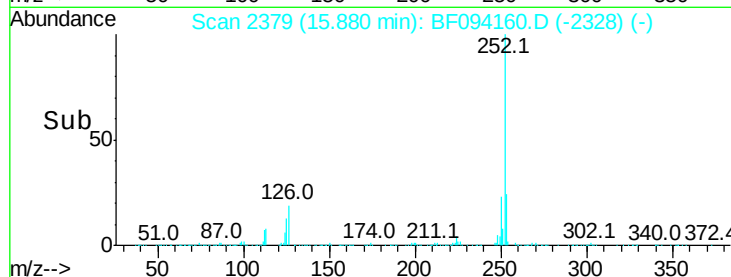
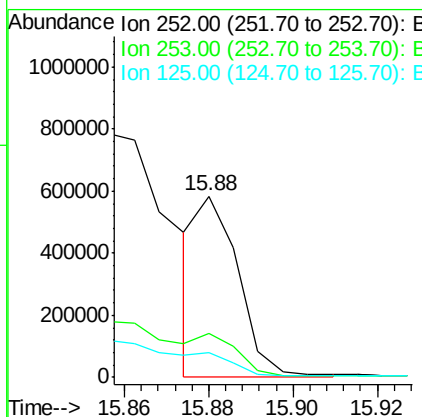
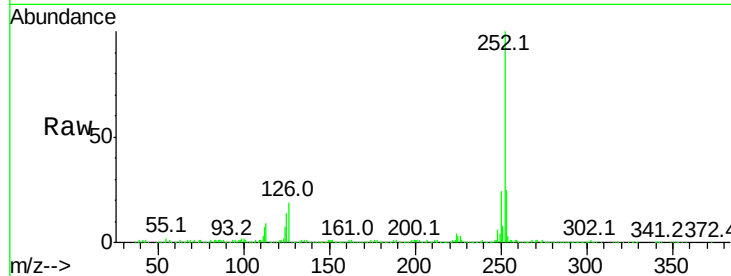
#88
Benzo(k)fluoranthene
Concen: 29.46 ng m
RT: 15.88 min Scan# 2379
Delta R.T. -0.00 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

Instrument :
BNA_F
ClientSampled :
E2-M10-ESW

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.4	27.6
125	13.9	13.1	19.7

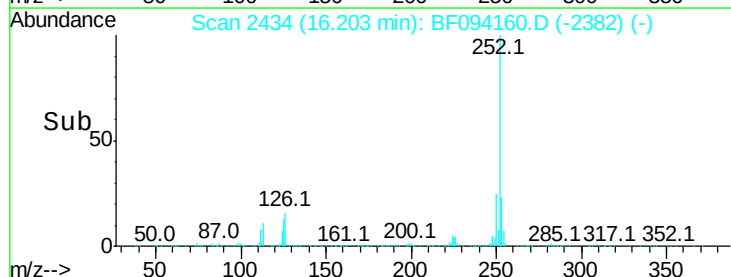
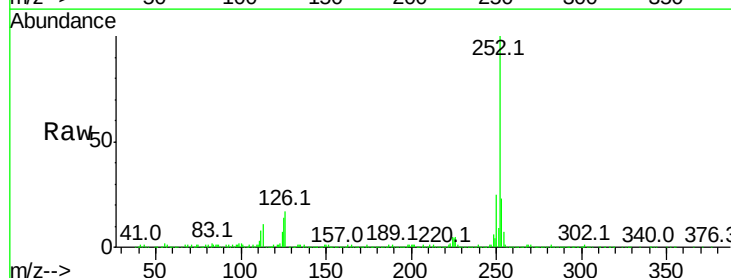
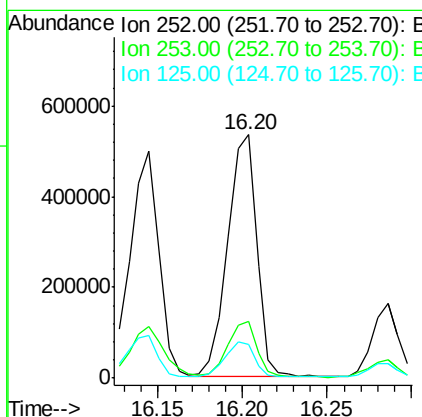
Manual Integrations
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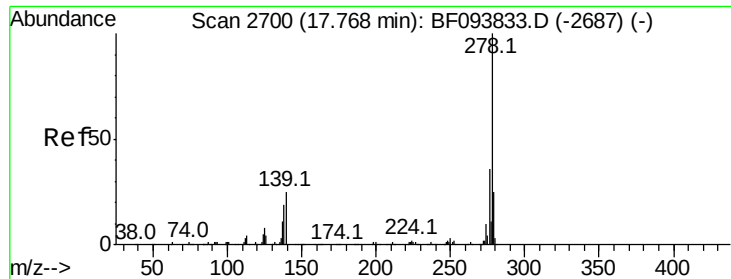
mohammad
4/4/2017 5:35:30 PM



#89
Benzo(a)pyrene
Concen: 50.64 ng
RT: 16.20 min Scan# 2434
Delta R.T. 0.01 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	13.6	11.0	16.4





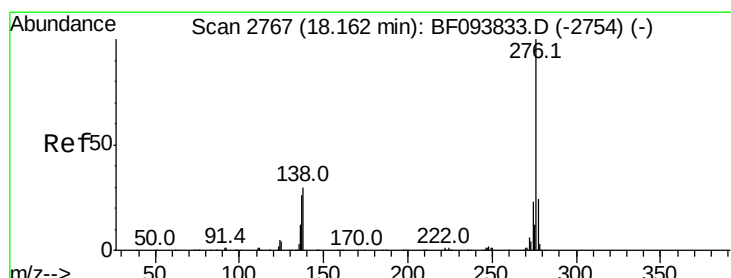
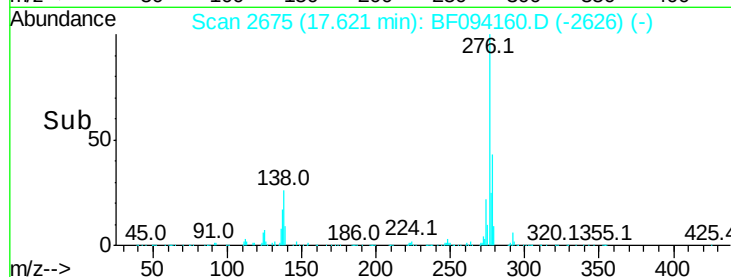
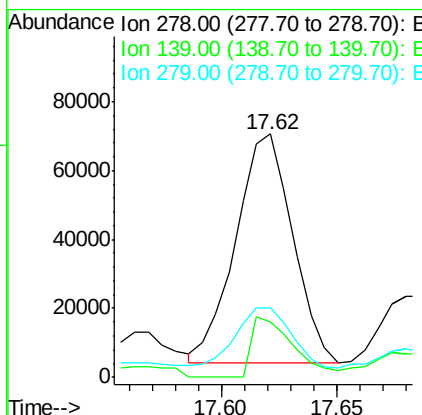
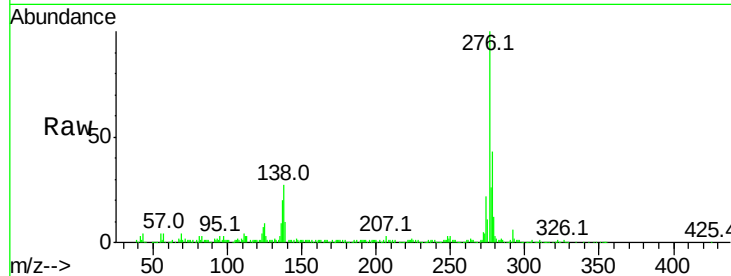
#90
Dibenzo(a,h)anthracene
Concen: 10.67 ng
RT: 17.62 min Scan# 2675
Delta R.T. -0.01 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

Instrument :
BNA_F
ClientSampleId :
E2-M10-ESW

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.0	16.6	24.8
279	28.7	19.3	28.9

Manual Integrations
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mohammad
4/4/2017 5:35:30 PM



#91
Benzo(g,h,i)perylene
Concen: 37.87 ng
RT: 18.01 min Scan# 2741
Delta R.T. -0.00 min
Lab File: BF094160.D
Acq: 4 Apr 2017 10:48

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.6	28.0
138	31.1	25.4	38.0

