

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
 Data File : BF093195.D
 Acq On : 25 Feb 2017 16:21
 Operator : SJ/MA
 Sample : I1973-09
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-FF9-BASE

Manual Integrations
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Quant Time: Feb 27 10:26:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	142611	20.00	ng	-0.01
21) Naphthalene-d8	8.13	136	538592	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	218926	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	336512	20.00	ng	-0.01
75) Chrysene-d12	14.02	240	297528	20.00	ng	0.00
86) Perylene-d12	15.46	264	235896	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	451758	54.35	ng	0.00
7) Phenol-d6	6.49	99	564160	52.75	ng	0.00
23) Nitrobenzene-d5	7.40	82	274458	28.38	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	104919	66.26	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	566556	46.88	ng	-0.01
78) Terphenyl-d14	12.96	244	752419	59.42	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.61	163	47236	3.20	ng	98
51) Acenaphthene	9.92	154	44518	3.48	ng	97
57) Fluorene	10.43	166	48193	3.66	ng	95
70) Phenanthrene	11.40	178	983433	51.01	ng	97
71) Anthracene	11.45	178	303506	15.68	ng	97
72) Carbazole	11.61	167	110397	5.97	ng	97
74) Fluoranthene	12.59	202	1598784	80.40	ng	99
77) Pyrene	12.82	202	1676448	75.29	ng	100
80) Benzo(a)anthracene	14.01	228	1017254	55.90	ng	98
82) Chrysene	14.04	228	738386	43.34	ng	97
85) Indeno(1,2,3-cd)pyrene	16.88	276	361816	27.42	ng	96
87) Benzo(b)fluoranthene	15.05	252	841486m	54.20	ng	
88) Benzo(k)fluoranthene	15.06	252	349199m	26.05	ng	
89) Benzo(a)pyrene	15.40	252	639093	47.58	ng	98
90) Dibenzo(a,h)anthracene	16.88	278	80172m	7.39	ng	
91) Benzo(g,h,i)perylene	17.31	276	348762	31.80	ng	# 94

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

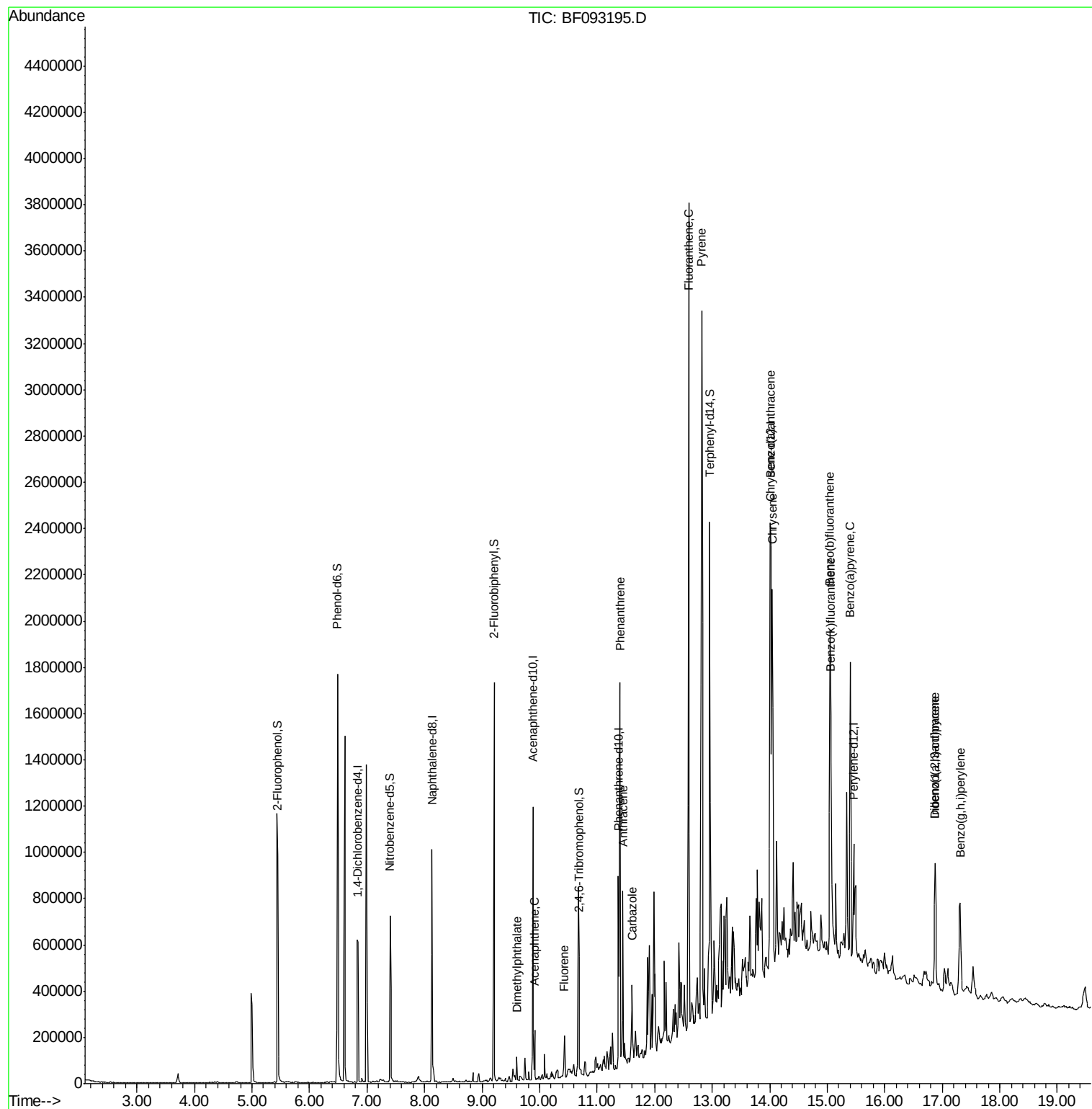
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
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ALS Vial : 48 Sample Multiplier: 1

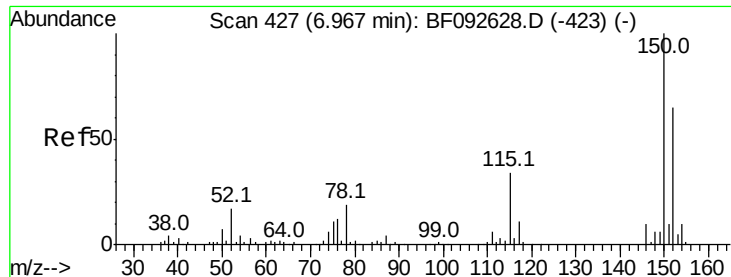
Instrument :
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QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF093195.D

Acq: 25 Feb 2017 16:21

Instrument :

BNA_F

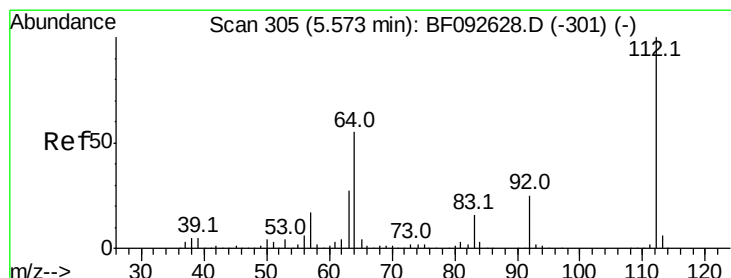
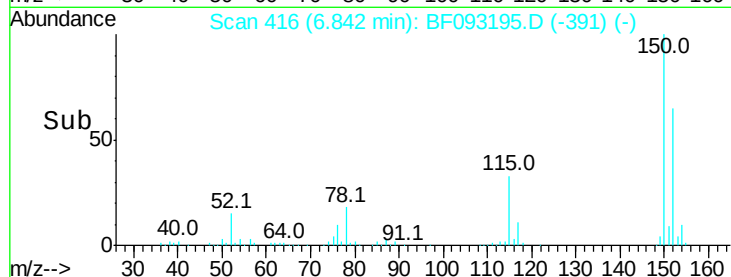
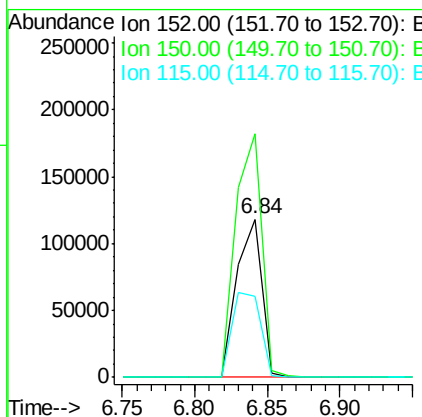
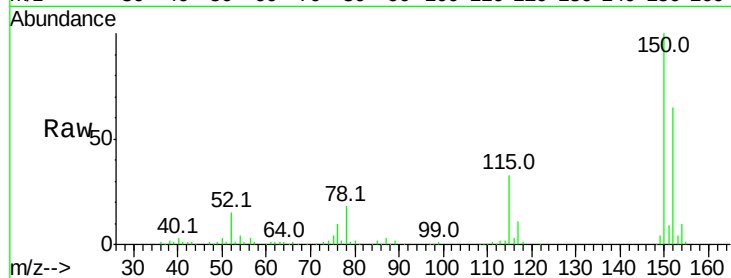
ClientSampleId :

E2-FF9-BASE

Tot Ion:	152	Resp:	142611
Ion Ratio	Lower	Upper	
152	100		
150	154.0	124.9	187.3
115	51.4	46.0	69.0

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#5

2-Fluorophenol

Concen: 54.35 ng

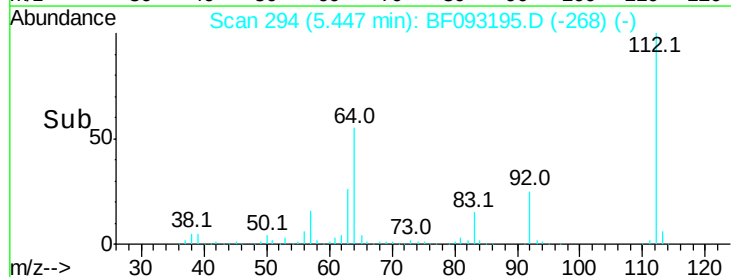
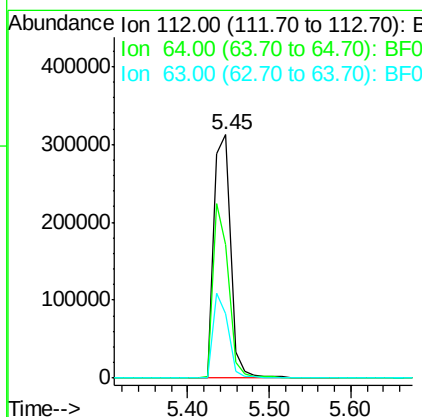
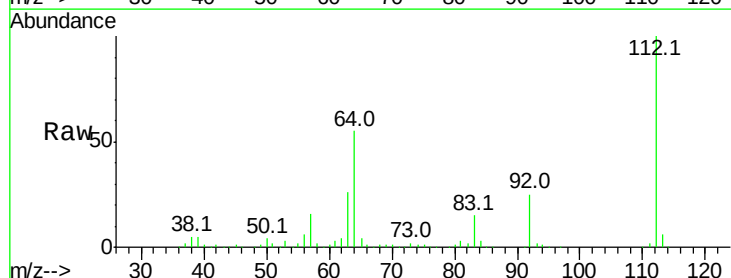
RT: 5.45 min Scan# 294

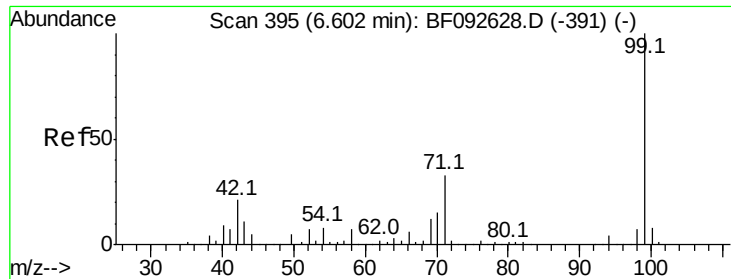
Delta R.T. -0.00 min

Lab File: BF093195.D

Acq: 25 Feb 2017 16:21

Tgt Ion:	112	Resp:	451758
Ion Ratio	Lower	Upper	
112	100		
64	54.6	46.1	69.1
63	26.3	23.8	35.6





#7

Phenol-d6

Concen: 52.75 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.00 min

Lab File: BF093195.D

Acq: 25 Feb 2017 16:21

Instrument :

BNA_F

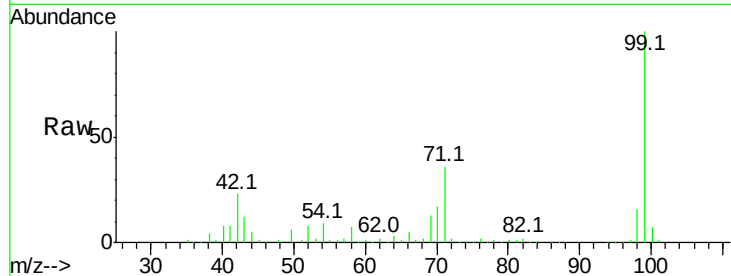
ClientSampleId :

E2-FF9-BASE

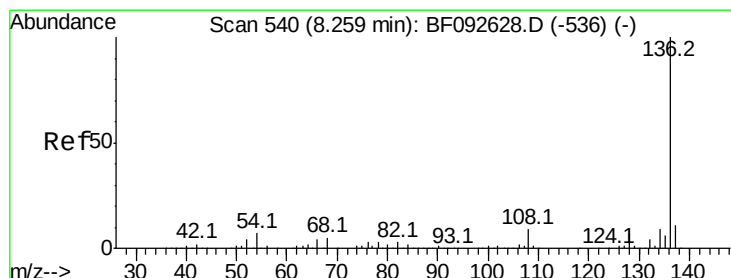
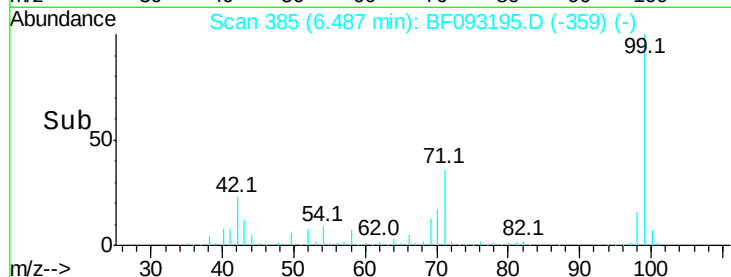
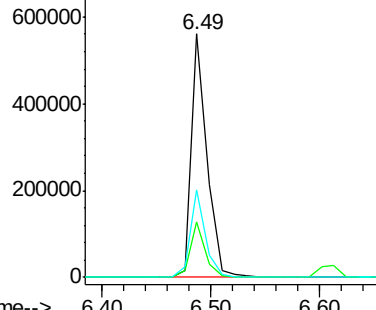
Tot Ion:	99	Resp:	564160
Ion	Ratio	Lower	Upper
99	100		
42	22.8	15.6	23.4
71	35.9	27.5	41.3

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

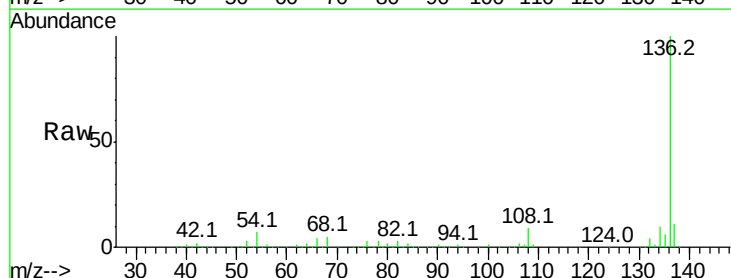
RT: 8.13 min Scan# 529

Delta R.T. -0.01 min

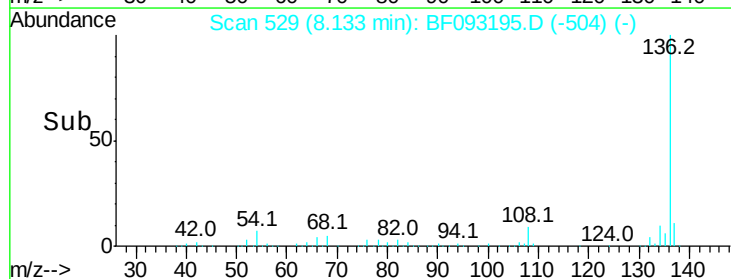
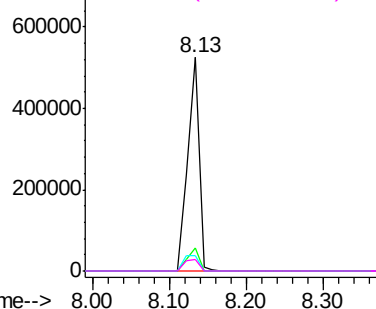
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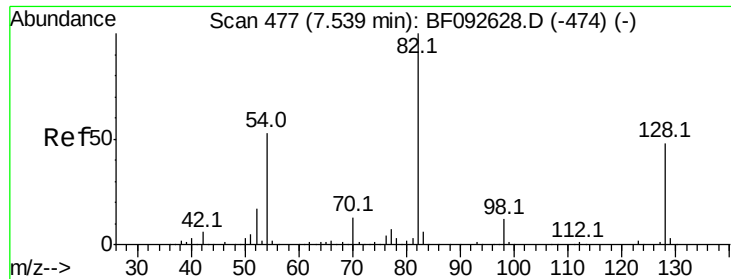
Acq: 25 Feb 2017 16:21

Tgt Ion:	136	Resp:	538592
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	7.3	4.5	6.7#
68	5.4	3.6	5.4#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





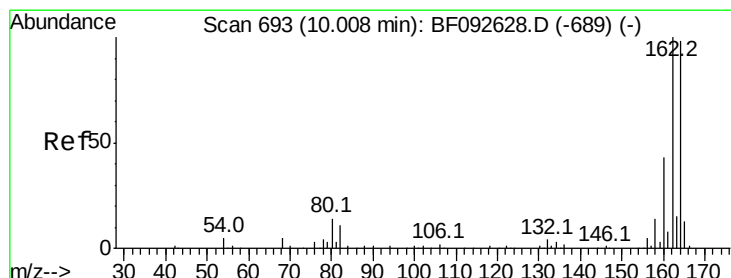
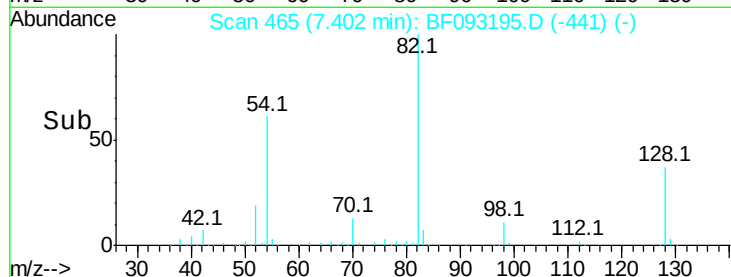
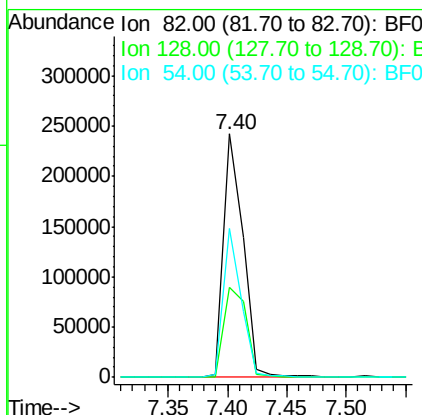
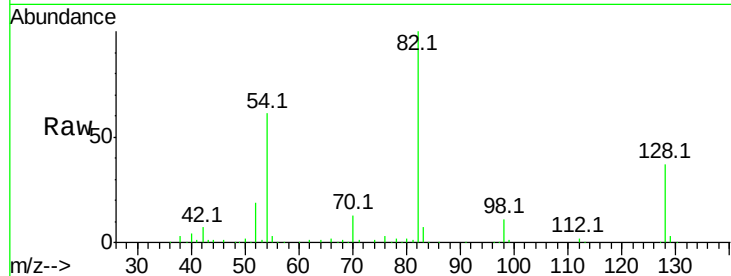
#23
 Nitrobenzene-d5
 Concen: 28.38 ng
 RT: 7.40 min Scan# 465
 Delta R.T. -0.02 min
 Lab File: BF093195.D
 Acq: 25 Feb 2017 16:21

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
82	100		
128	37.2	34.6	52.0
54	61.2	39.5	59.3

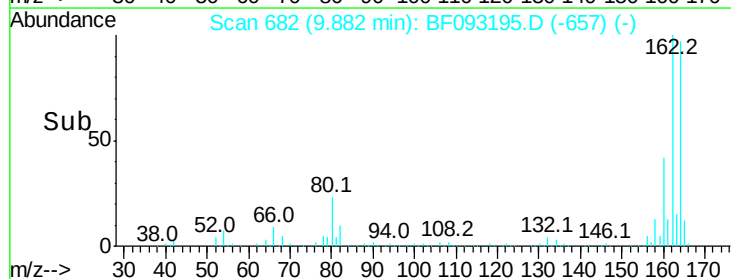
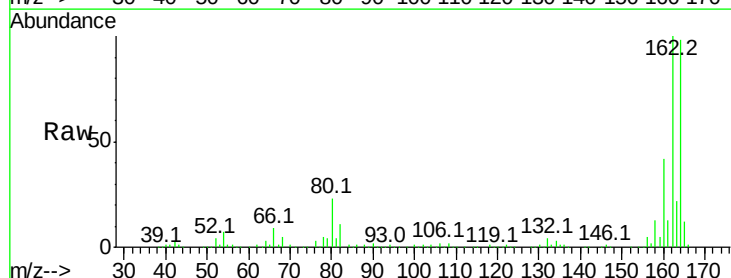
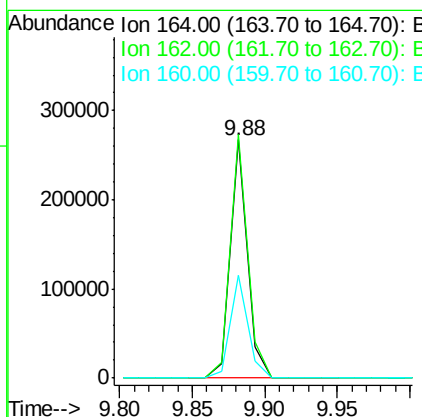
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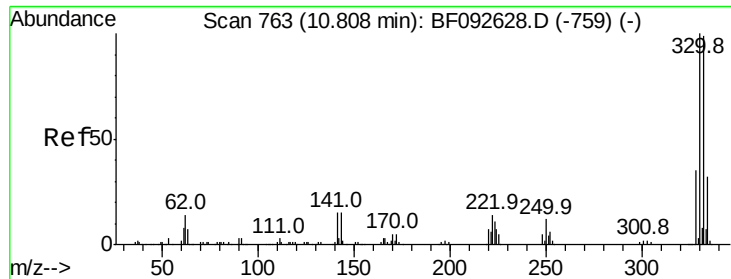
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF093195.D
 Acq: 25 Feb 2017 16:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.2	80.2	120.2
160	43.2	36.9	55.3





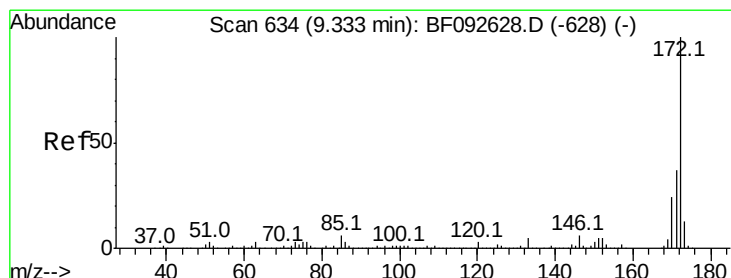
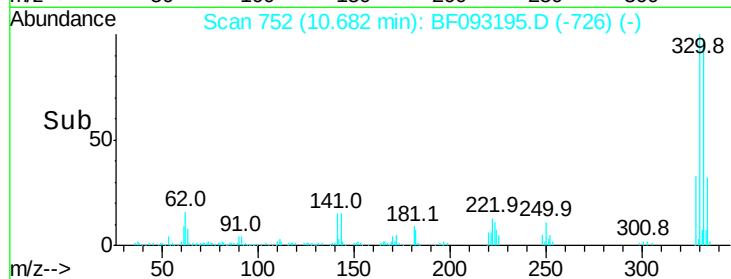
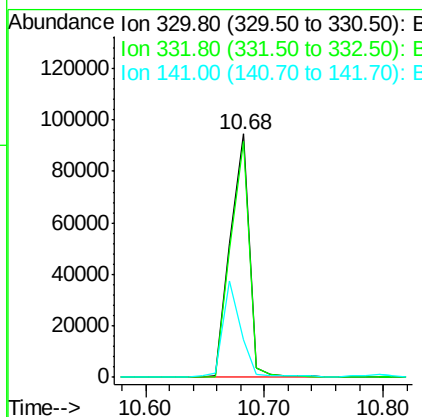
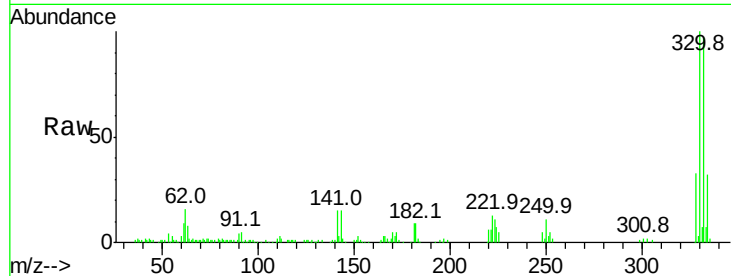
#41
 2,4,6-Tribromophenol
 Concen: 66.26 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.00 min
 Lab File: BF093195.D
 Acq: 25 Feb 2017 16:21

Instrument :
 BNA_F
 ClientSampleId :
 E2-FF9-BASE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	104919		
332	96.0		77.4	116.2
141	37.9		34.1	51.1

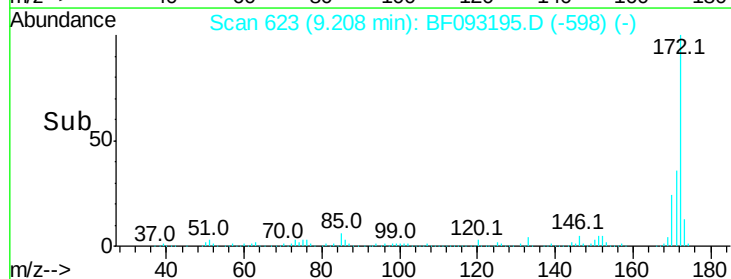
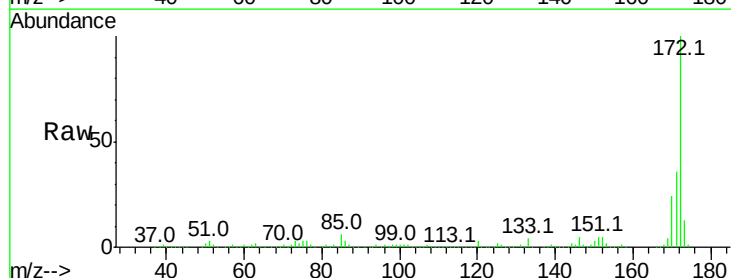
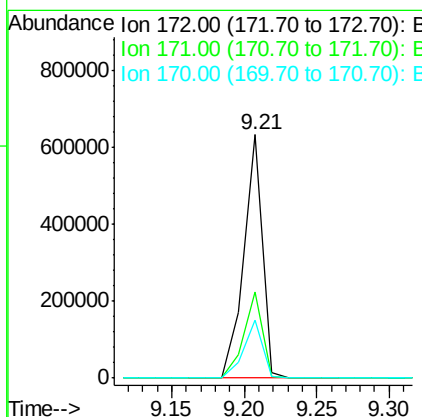
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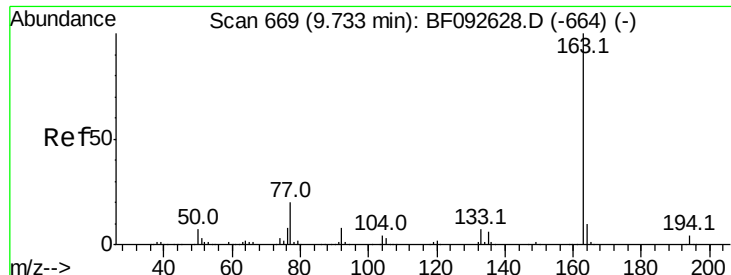
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#44
 2-Fluorobiphenyl
 Concen: 46.88 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093195.D
 Acq: 25 Feb 2017 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	566556		
171	35.6		29.4	44.0
170	24.0		20.2	30.4





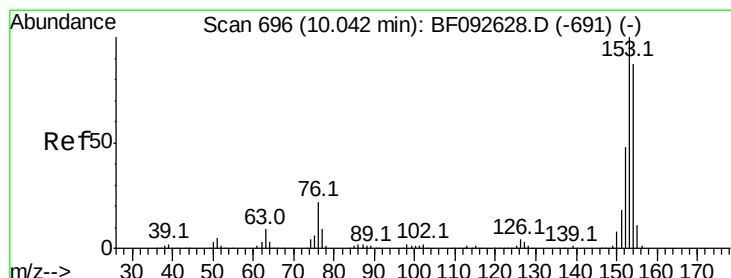
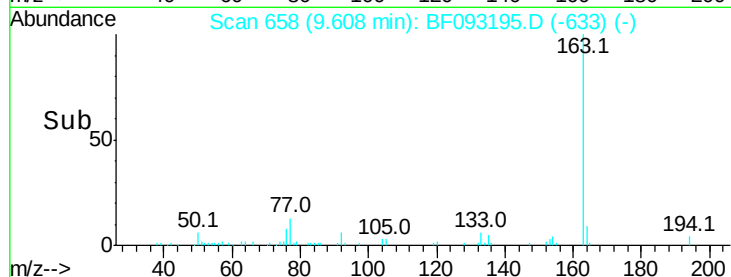
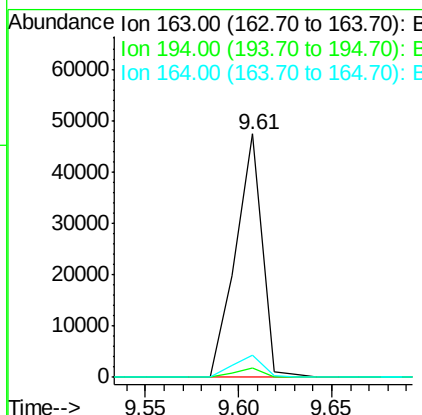
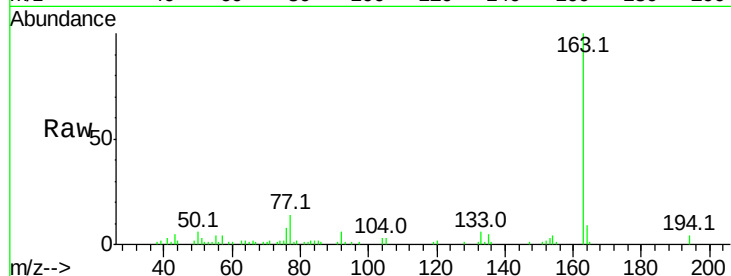
#49
Dimethylphthalate
Concen: 3.20 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF093195.D
Acq: 25 Feb 2017 16:21

Instrument :
BNA_F
ClientSampleId :
E2-FF9-BASE

Tot Ion	Ratio	Resp	Lower	Upper
163	100	47236		
194	3.7		3.0	4.4
164	9.2		8.0	12.0

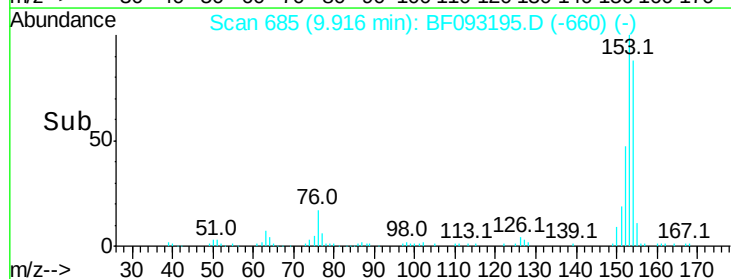
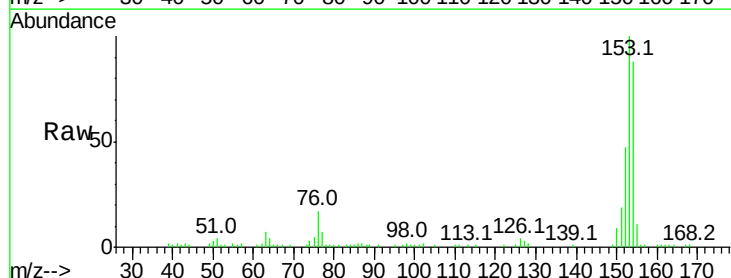
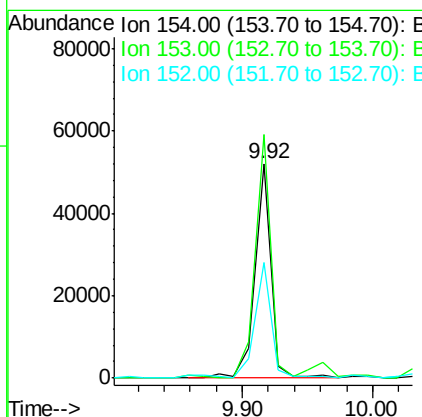
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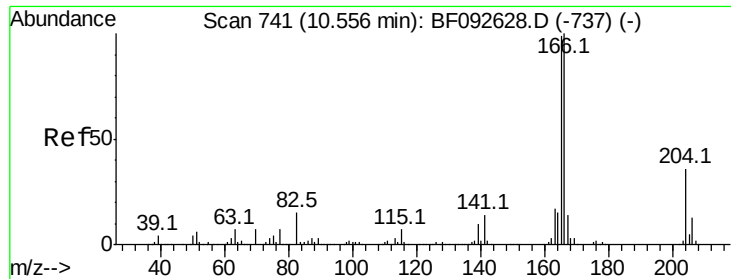
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#51
Acenaphthene
Concen: 3.48 ng
RT: 9.92 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF093195.D
Acq: 25 Feb 2017 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	44518		
153	113.7		88.6	133.0
152	53.8		41.6	62.4





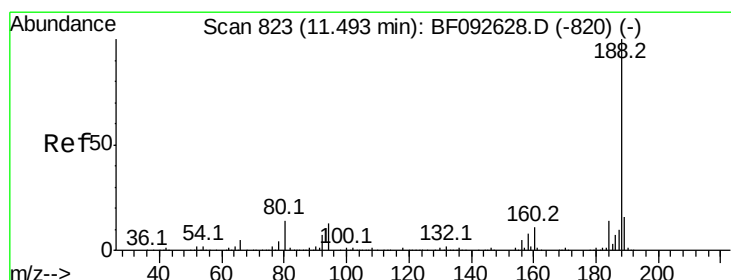
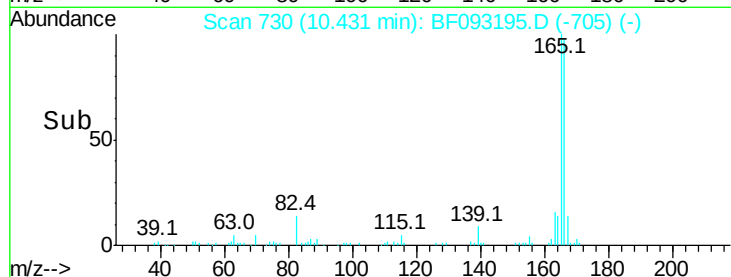
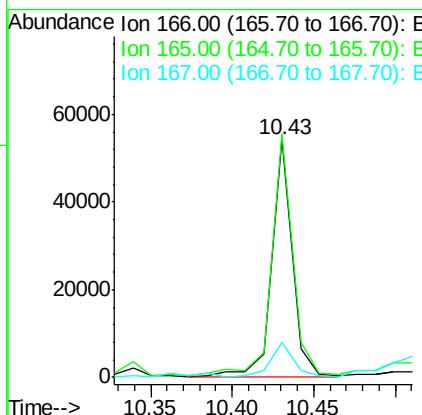
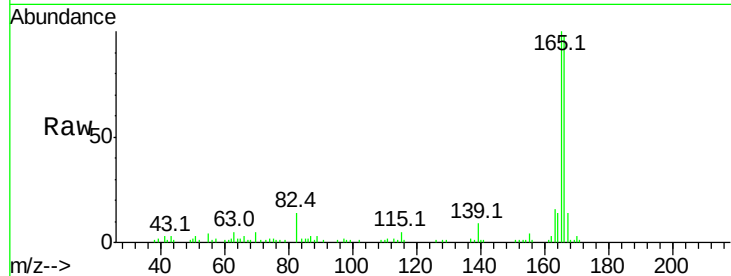
#57
Fluorene
 Concen: 3.66 ng
 RT: 10.43 min Scan# 730
 Delta R.T. -0.01 min
 Lab File: BF093195.D
 Acq: 25 Feb 2017 16:21

Instrument :
 BNA_F
 ClientSampleId :
 E2-FF9-BASE

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.1	77.8	116.8
167	14.5	10.8	16.2

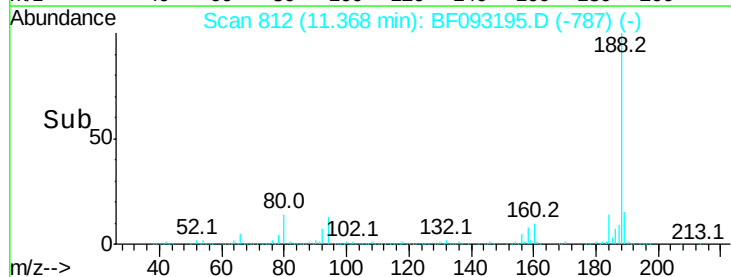
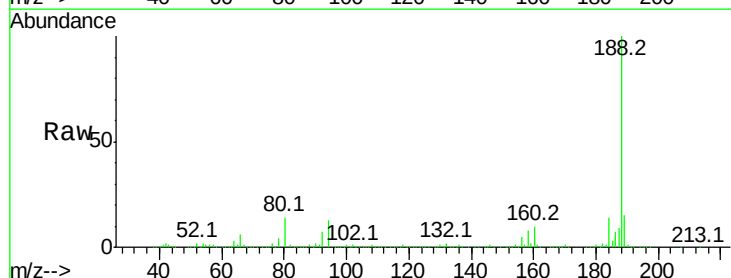
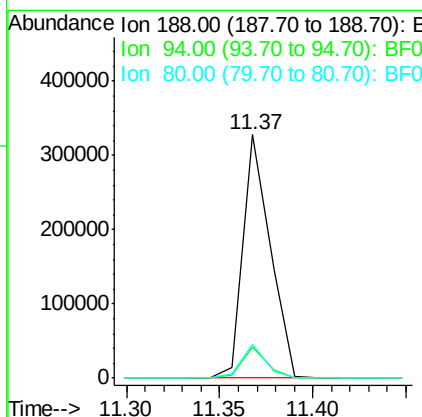
Manual Integrations
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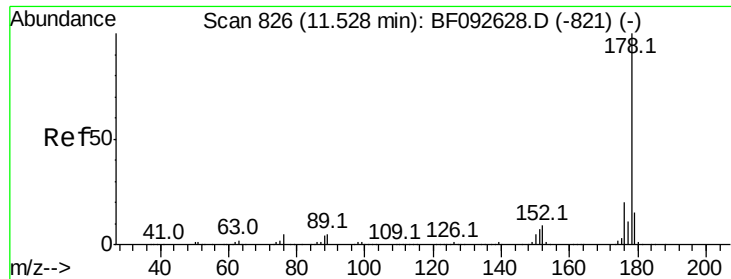
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 812
 Delta R.T. -0.01 min
 Lab File: BF093195.D
 Acq: 25 Feb 2017 16:21

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.9	10.0	15.0
80	13.9	11.2	16.8





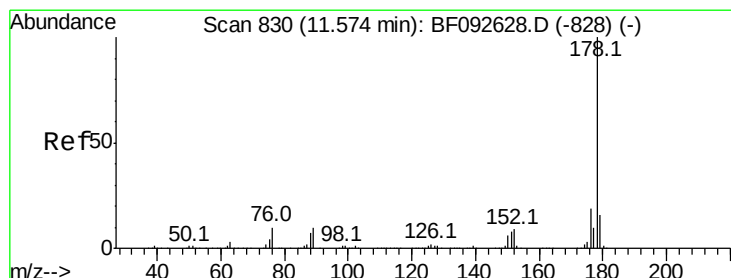
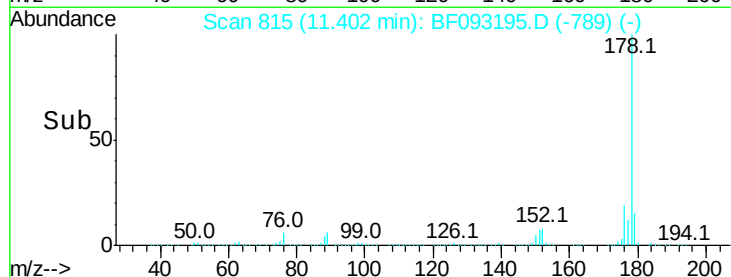
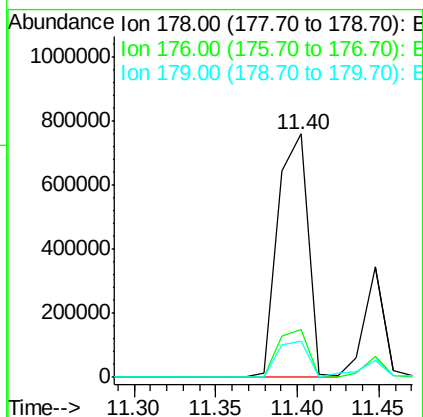
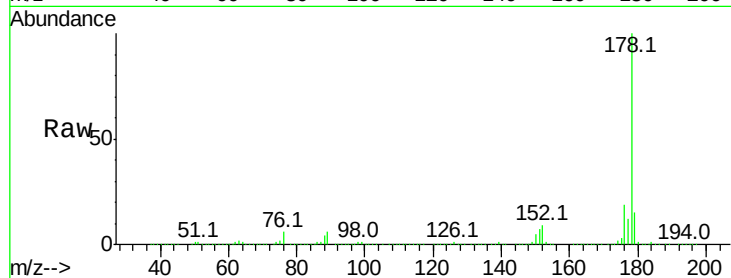
#70
Phenanthrene
Concen: 51.01 ng
RT: 11.40 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF093195.D
Acq: 25 Feb 2017 16:21

Instrument :
BNA_F
ClientSampled :
E2-FF9-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.6	25.0
179	15.1	12.8	19.2

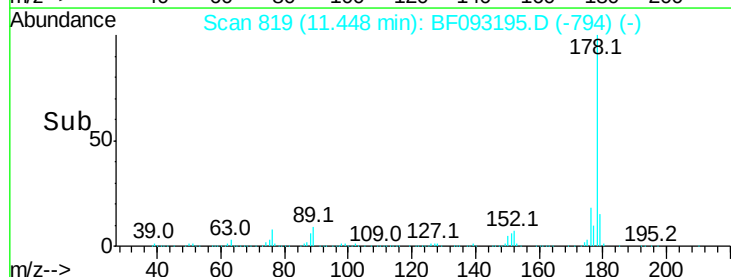
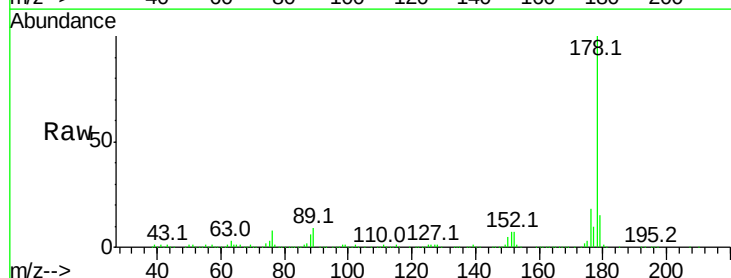
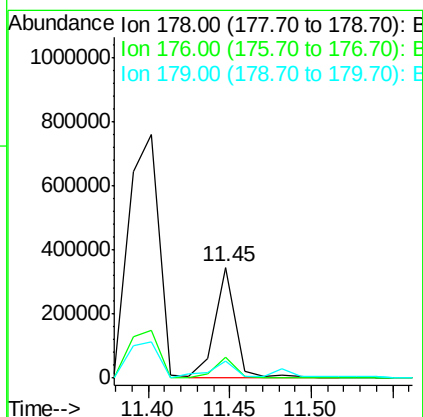
Manual Integrations
APPROVED

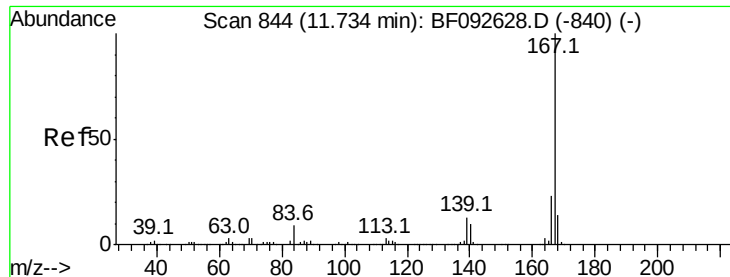
mohammad
2/27/2017 1:09:10 PM



#71
Anthracene
Concen: 15.68 ng
RT: 11.45 min Scan# 819
Delta R.T. -0.01 min
Lab File: BF093195.D
Acq: 25 Feb 2017 16:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.9	23.9
179	15.3	13.2	19.8





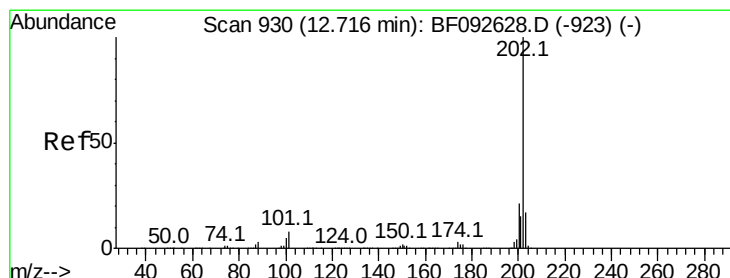
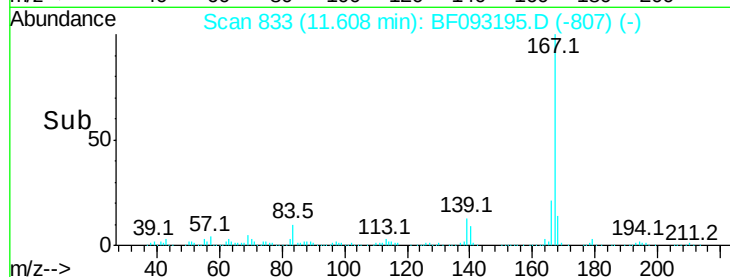
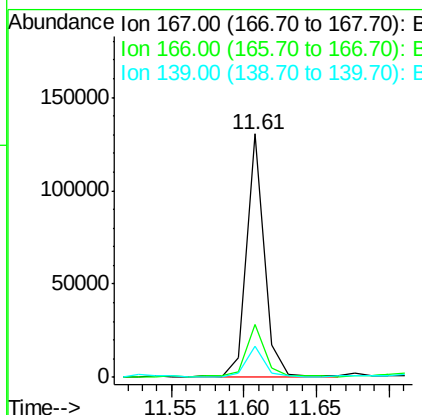
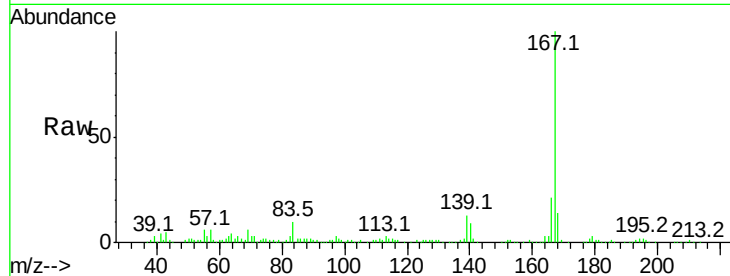
#72
 Carbazole
 Concen: 5.97 ng
 RT: 11.61 min Scan# 833
 Delta R.T. -0.00 min
 Lab File: BF093195.D
 Acq: 25 Feb 2017 16:21

Instrument :
 BNA_F
 ClientSampleId :
 E2-FF9-BASE

Tot Ion	Ratio	Resp	Lower	Upper
167	100	110397		
166	21.5		18.2	27.2
139	12.8		11.4	17.2

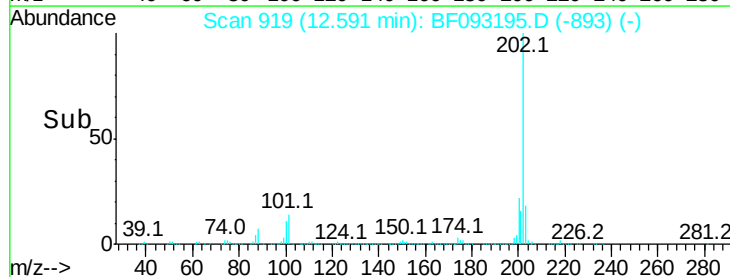
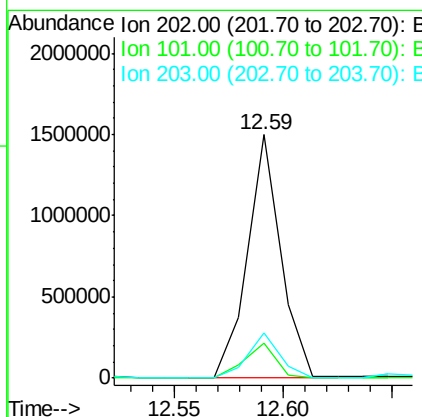
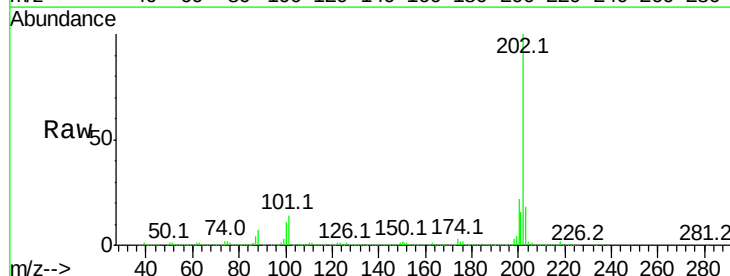
Manual Integrations
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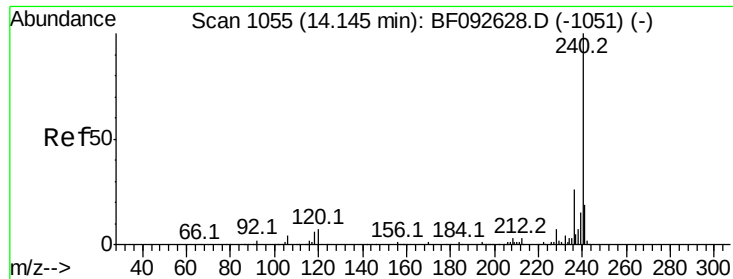
mohammad
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#74
 Fluoranthene
 Concen: 80.40 ng
 RT: 12.59 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BF093195.D
 Acq: 25 Feb 2017 16:21

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1598784		
101	14.3		0.0	34.6
203	18.3		0.0	38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF093195.D

Acq: 25 Feb 2017 16:21

Instrument :

BNA_F

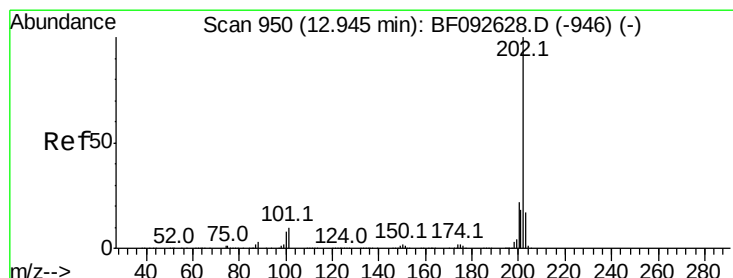
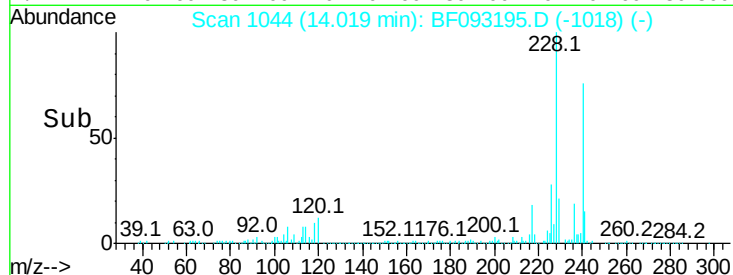
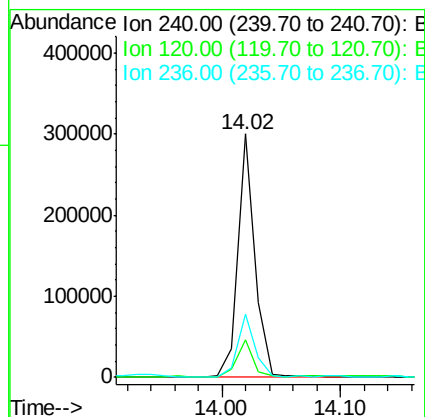
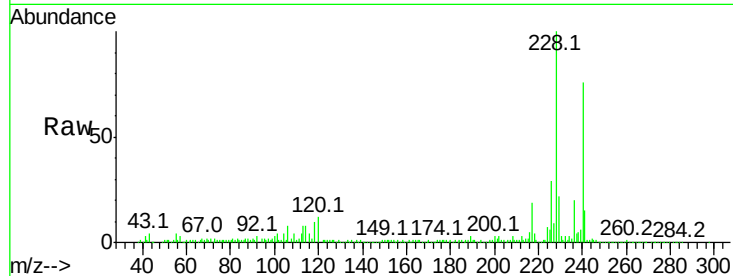
ClientSampleId :

E2-FF9-BASE

Tot Ion:	240	Resp:	297528
Ion Ratio	Lower	Upper	
240	100		
120	15.6	12.9	19.3
236	26.0	20.9	31.3

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#77

Pyrene

Concen: 75.29 ng

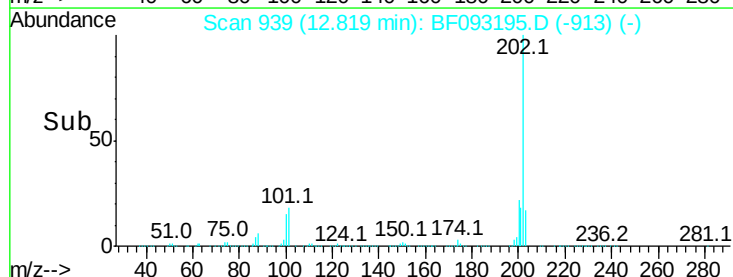
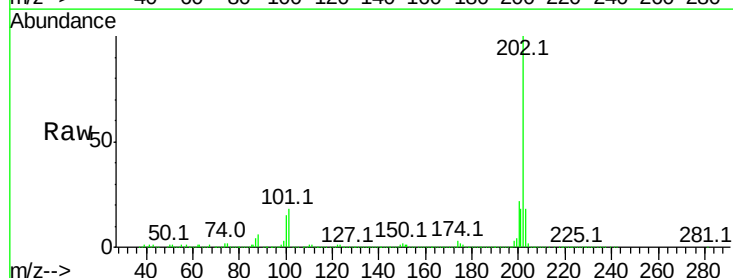
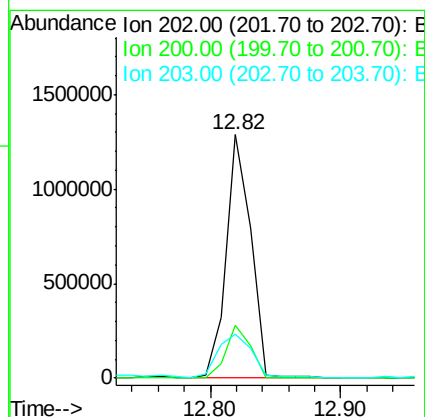
RT: 12.82 min Scan# 939

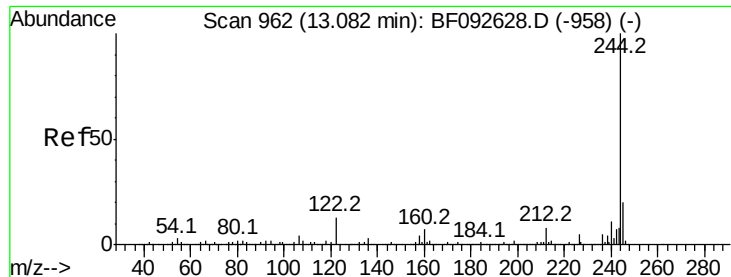
Delta R.T. -0.00 min

Lab File: BF093195.D

Acq: 25 Feb 2017 16:21

Tgt Ion:	202	Resp:	1676448
Ion Ratio	Lower	Upper	
202	100		
200	22.0	17.7	26.5
203	18.2	14.7	22.1





#78

Terphenyl-d14

Concen: 59.42 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093195.D

Acq: 25 Feb 2017 16:21

Instrument :

BNA_F

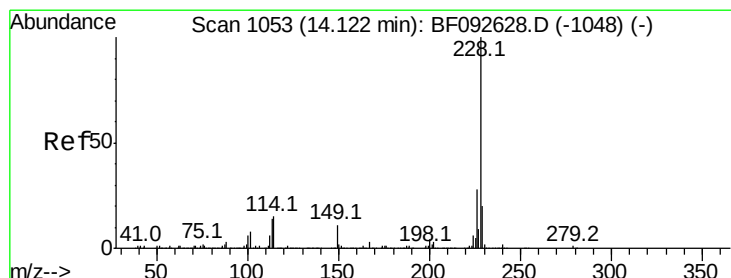
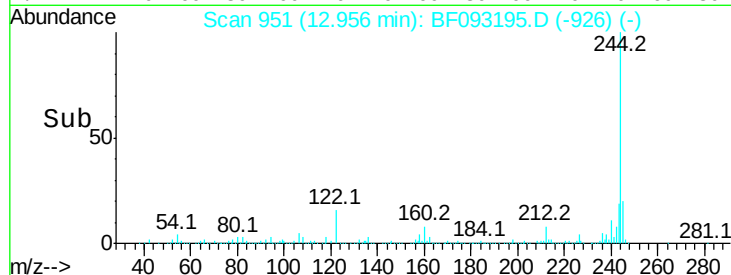
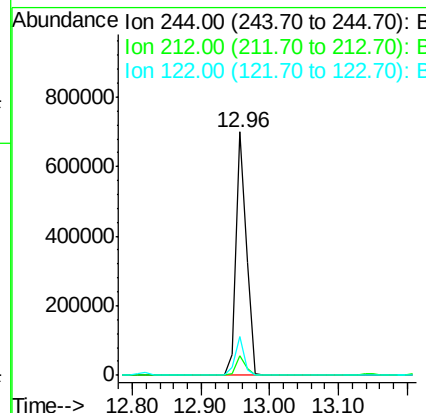
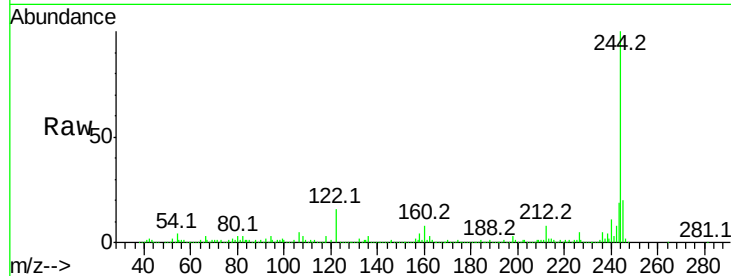
ClientSampleId :

E2-FF9-BASE

Tot Ion:	244	Resp:	752419
Ion Ratio	Lower	Upper	
244	100		
212	7.9	6.2	9.2
122	15.9	11.4	17.2

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 55.90 ng

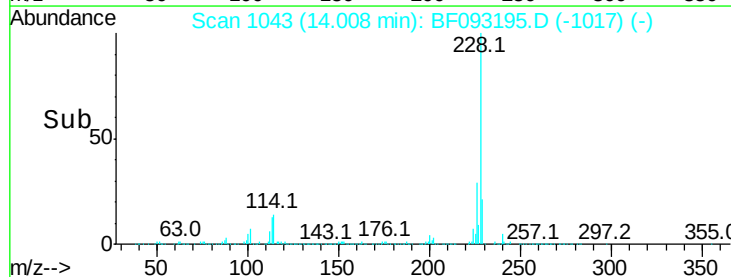
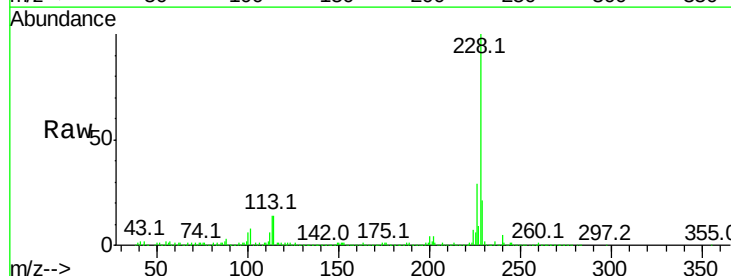
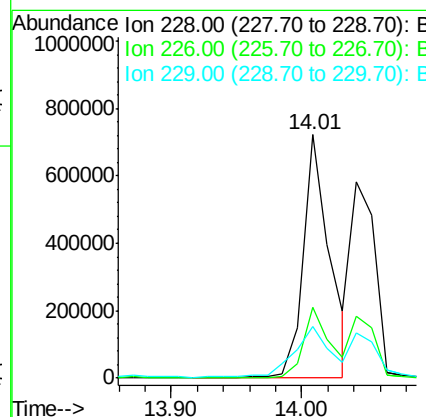
RT: 14.01 min Scan# 1043

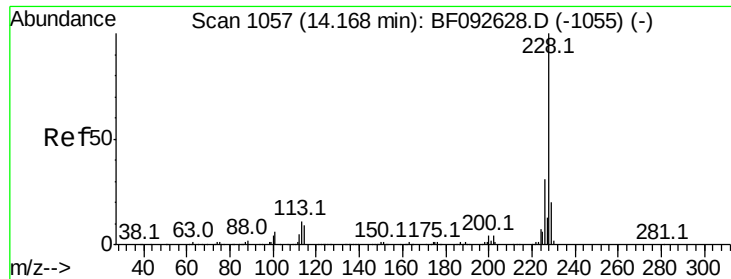
Delta R.T. -0.00 min

Lab File: BF093195.D

Acq: 25 Feb 2017 16:21

Tgt Ion:	228	Resp:	1017254
Ion Ratio	Lower	Upper	
228	100		
226	29.2	22.4	33.6
229	21.3	16.2	24.4





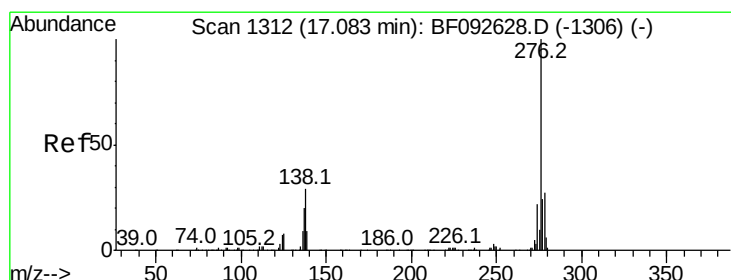
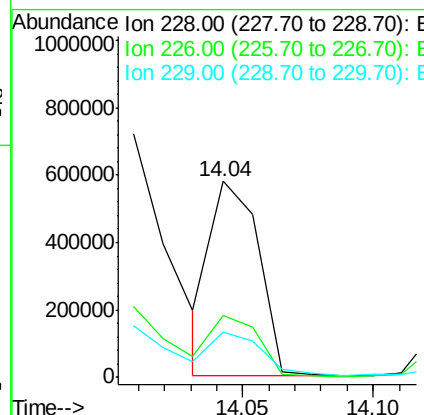
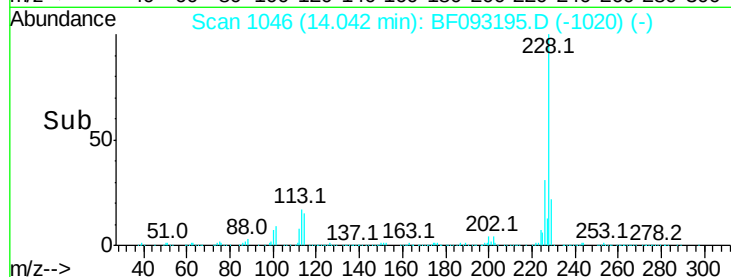
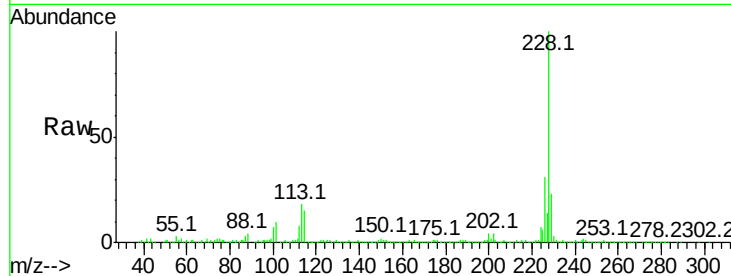
#82
Chrysene
Concen: 43.34 ng
RT: 14.04 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BF093195.D
Acq: 25 Feb 2017 16:21

Instrument :
BNA_F
ClientSampleId :
E2-FF9-BASE

Tot Ion:	228	Resp:	738386
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.4	38.0
229	22.8	16.2	24.2

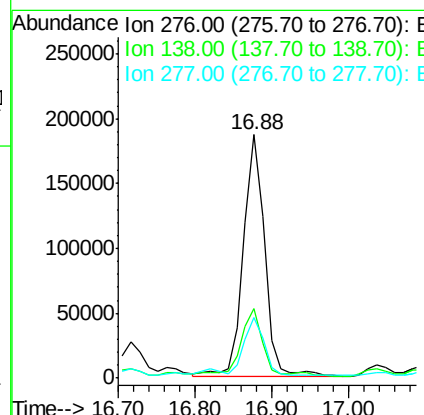
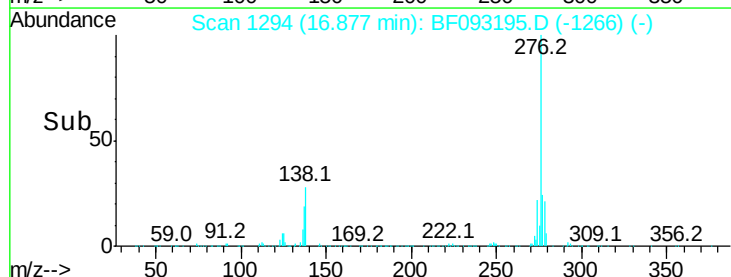
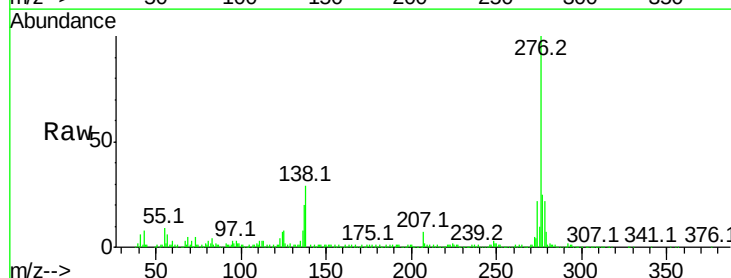
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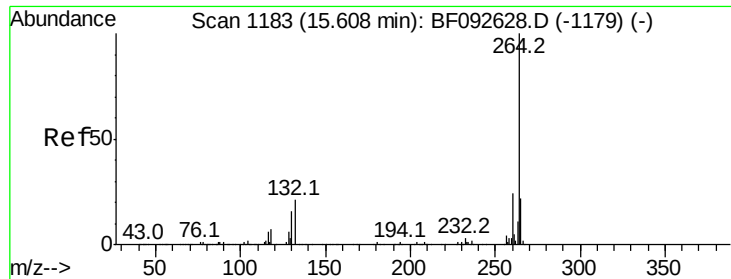
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#85
Indeno(1,2,3-cd)pyrene
Concen: 27.42 ng
RT: 16.88 min Scan# 1294
Delta R.T. 0.02 min
Lab File: BF093195.D
Acq: 25 Feb 2017 16:21

Tgt Ion:	276	Resp:	361816
Ion Ratio	Lower	Upper	
276	100		
138	26.4	21.8	32.6
277	22.1	20.2	30.4





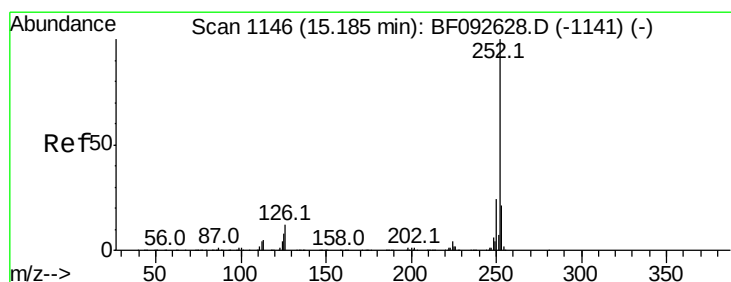
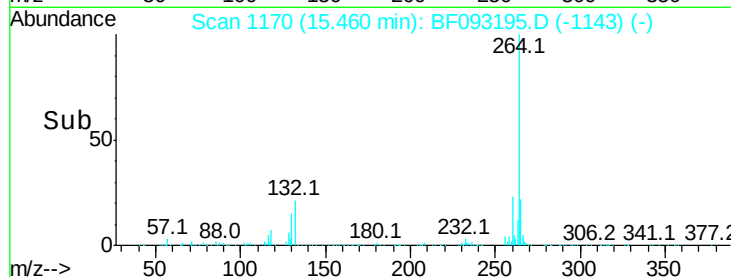
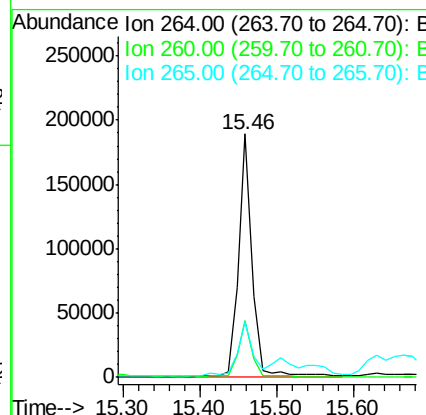
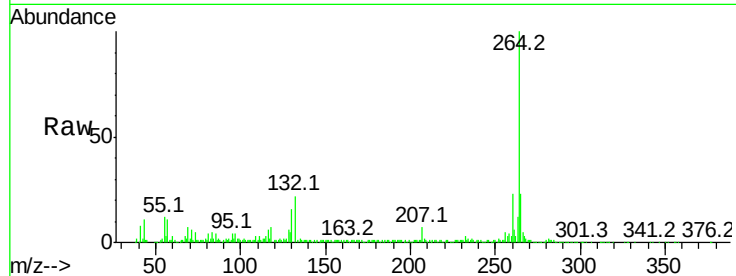
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BF093195.D
Acq: 25 Feb 2017 16:21

Instrument :
BNA_F
ClientSampleId :
E2-FF9-BASE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	23.0	17.4	26.0

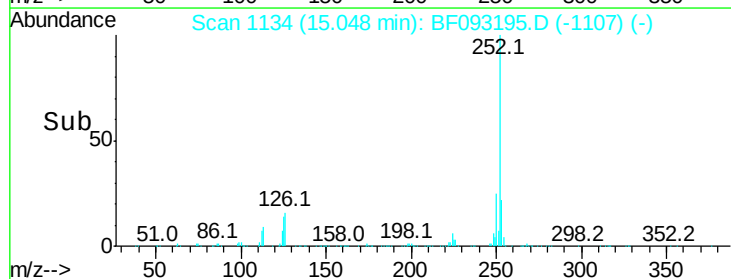
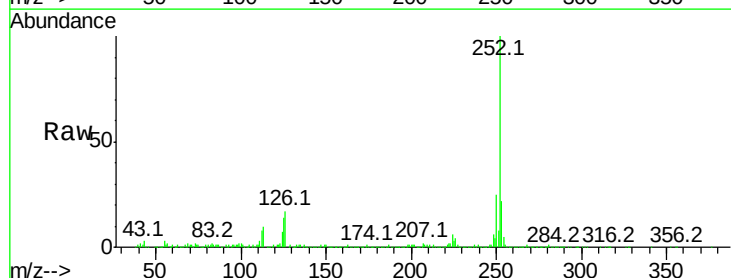
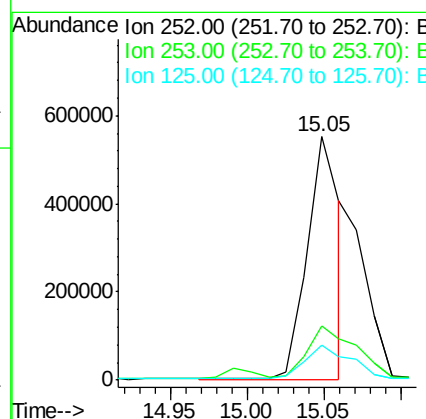
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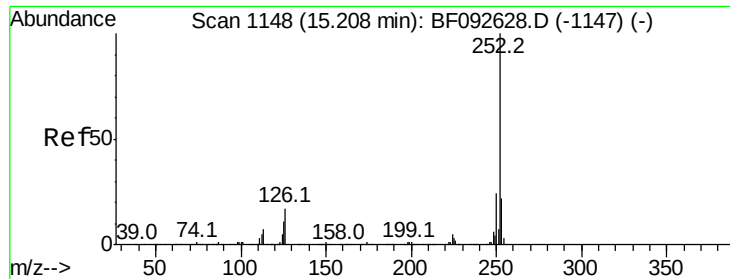
mohammad
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#87
Benzo(b)fluoranthene
Concen: 54.20 ng m
RT: 15.05 min Scan# 1134
Delta R.T. 0.01 min
Lab File: BF093195.D
Acq: 25 Feb 2017 16:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	14.5	9.8	14.6





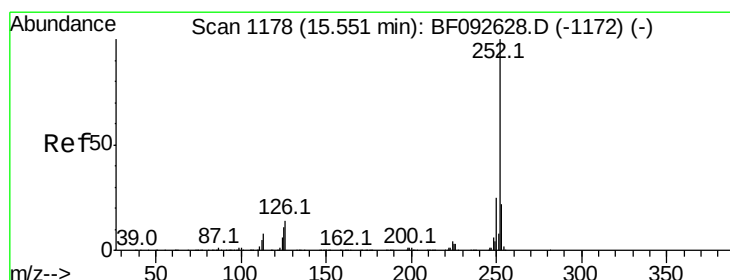
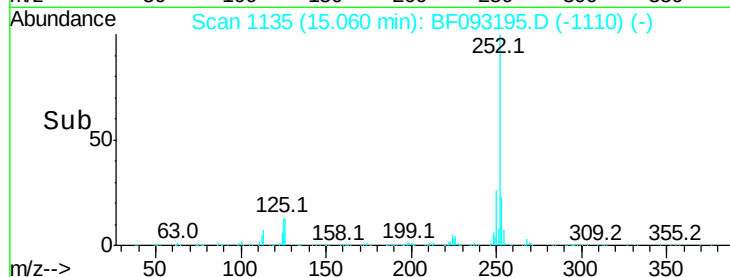
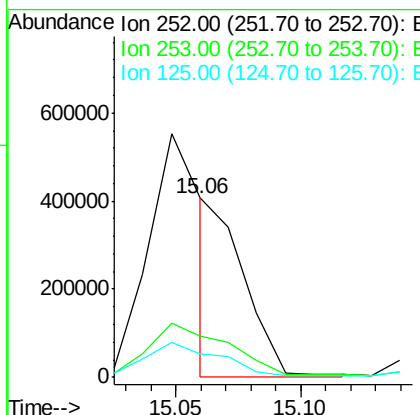
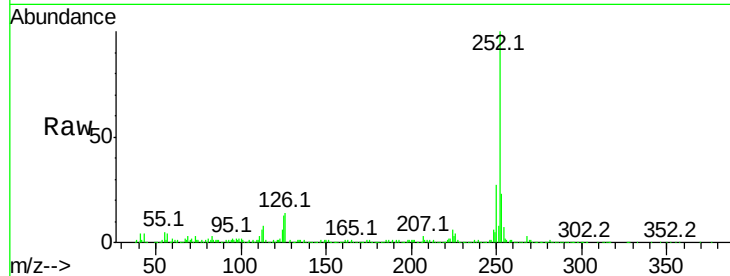
#88
Benzo(k)fluoranthene
Concen: 26.05 ng m
RT: 15.06 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF093195.D
Acq: 25 Feb 2017 16:21

Instrument :
BNA_F
ClientSampleId :
E2-FF9-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.5	27.7
125	13.3	8.9	13.3

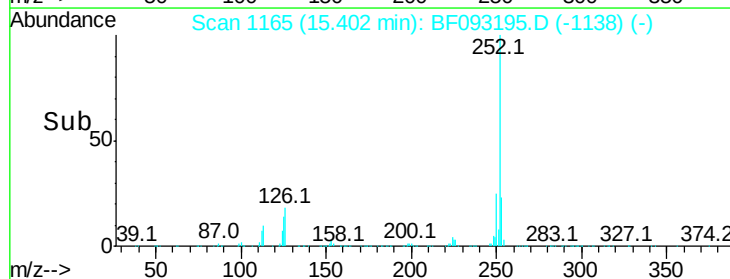
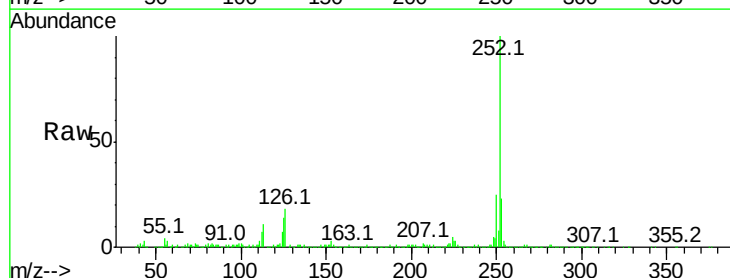
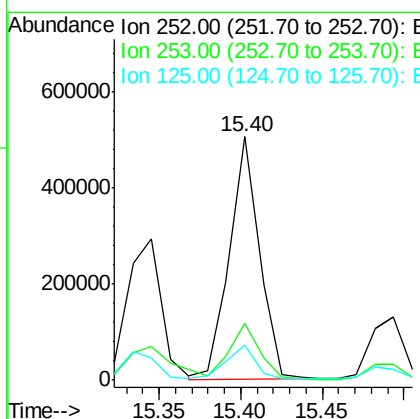
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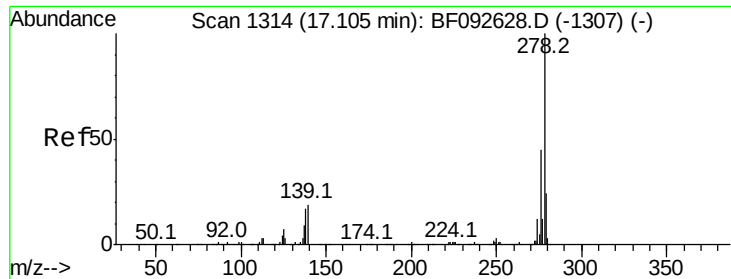
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#89
Benzo(a)pyrene
Concen: 47.58 ng
RT: 15.40 min Scan# 1165
Delta R.T. 0.01 min
Lab File: BF093195.D
Acq: 25 Feb 2017 16:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	14.2	10.0	15.0





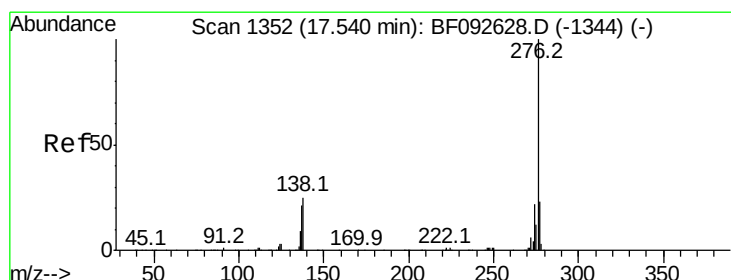
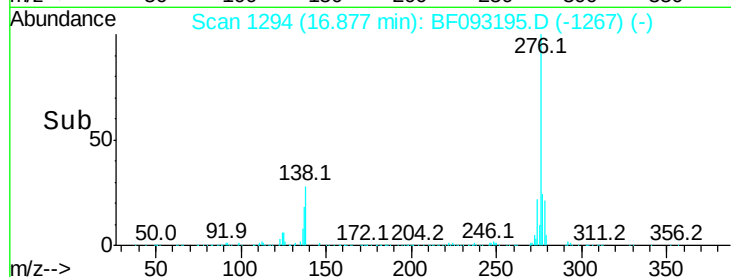
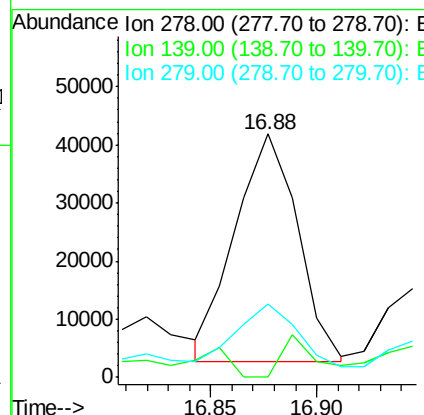
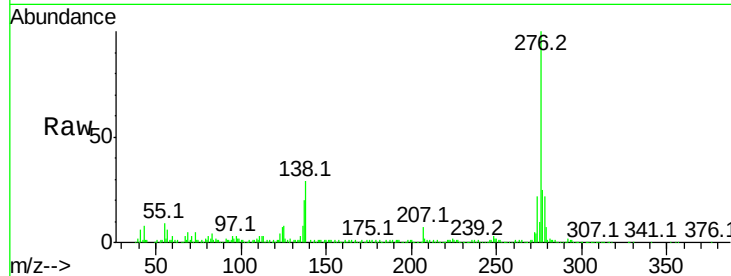
#90
Dibenzo(a,h)anthracene
Concen: 7.39 ng/mL
RT: 16.88 min Scan# 1294
Delta R.T. 0.01 min
Lab File: BF093195.D
Acq: 25 Feb 2017 16:21

Instrument :
BNA_F
ClientSampleId :
E2-FF9-BASE

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.8	22.2#
279	30.1	19.8	29.6#

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#91
Benzo(g,h,i)perylene
Concen: 31.80 ng/mL
RT: 17.31 min Scan# 1332
Delta R.T. 0.02 min
Lab File: BF093195.D
Acq: 25 Feb 2017 16:21

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.2	28.8
138	26.1	16.0	24.0#

