

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
 Data File : BF093181.D
 Acq On : 25 Feb 2017 9:48
 Operator : SJ/MA
 Sample : I1973-03
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z5W-SW

Manual Integrations
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 2/27/2017 1:08:36 PM

Quant Time: Feb 27 00:58:20 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	6.83	152	153844	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	579958	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	242183	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	371657	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	304170	20.00	ng	-0.01
86) Perylene-d12	15.44	264	274903	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1087378	121.26	ng	-0.01
7) Phenol-d6	6.48	99	1255255	108.79	ng	-0.01
23) Nitrobenzene-d5	7.40	82	777589	74.66	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	206232	117.74	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1257279	94.05	ng	-0.01
78) Terphenyl-d14	12.95	244	717594	55.43	ng	-0.02
Target Compounds						
10) Phenol	6.49	94	86015	6.37	ng	Qvalue # 73
49) Dimethylphthalate	9.60	163	111916	6.86	ng	99
70) Phenanthrene	11.39	178	304053	14.28	ng	97
71) Anthracene	11.44	178	76727	3.59	ng	98
74) Fluoranthene	12.58	202	410747	18.70	ng	92
77) Pyrene	12.81	202	373635	16.41	ng	97
80) Benzo(a)anthracene	14.00	228	193782	10.42	ng	96
82) Chrysene	14.03	228	164604m	9.45	ng	
85) Indeno(1,2,3-cd)pyrene	16.84	276	72173	5.35	ng	97
87) Benzo(b)fluoranthene	15.03	252	191037m	10.56	ng	
88) Benzo(k)fluoranthene	15.04	252	79935m	5.12	ng	
89) Benzo(a)pyrene	15.38	252	144327	9.22	ng	98
91) Benzo(a,h,i)perylene	17.27	276	64084	5.01	ng	# 93

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

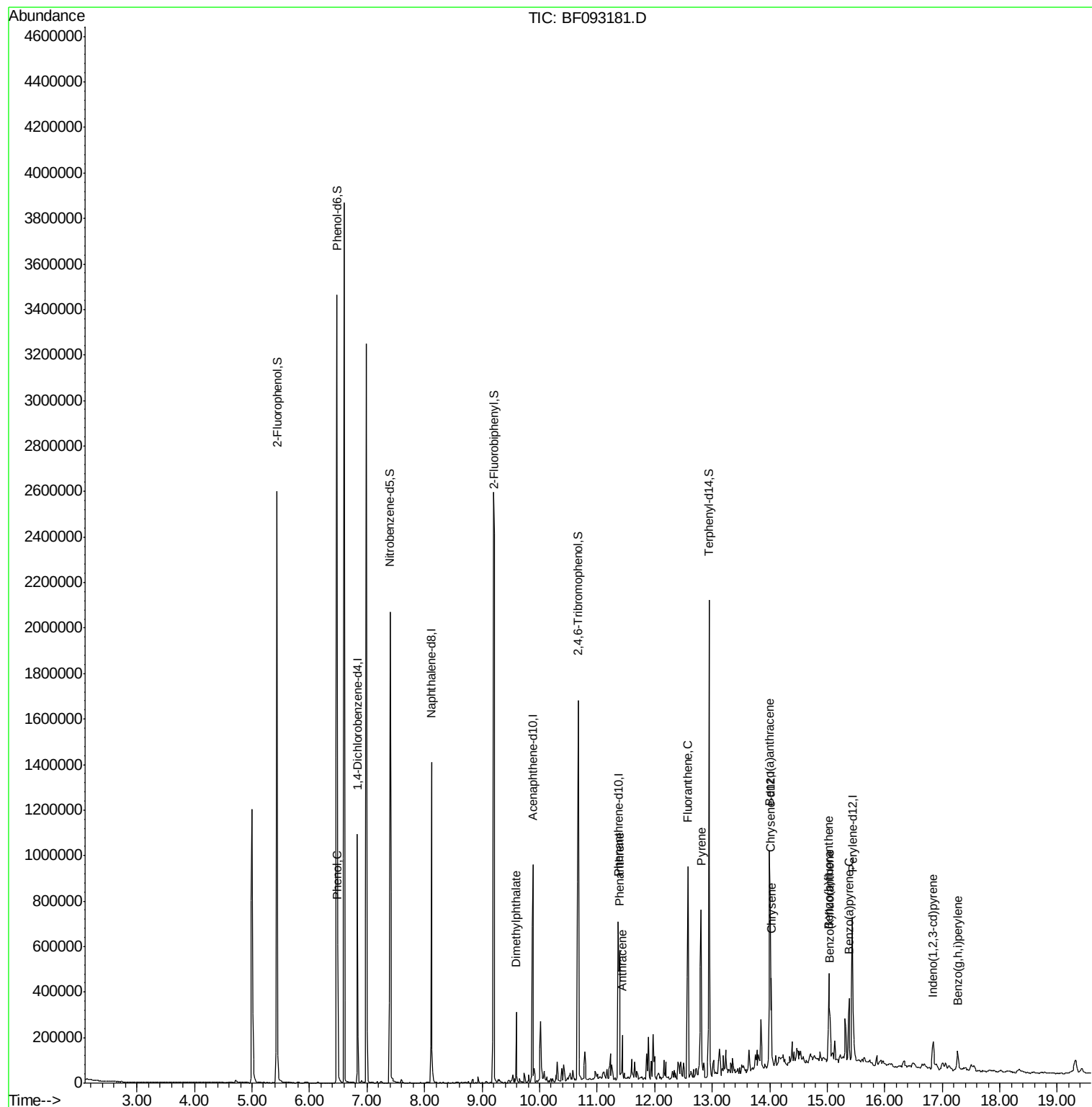
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
Data File : BF093181.D
Acq On : 25 Feb 2017 9:48
Operator : SJ/MA
Sample : I1973-03
Misc :
ALS Vial : 34 Sample Multiplier: 1

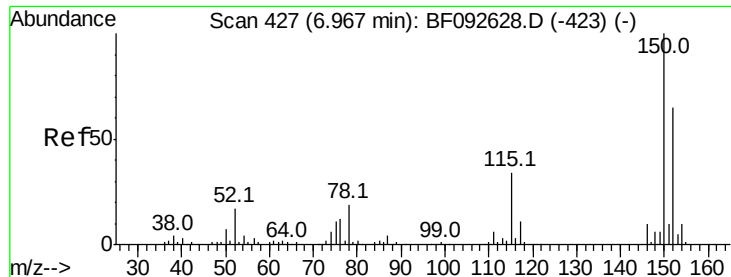
Instrument :
BNA_F
ClientSampleId :
E2-Z5W-SW

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Quant Time: Feb 27 00:58:20 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

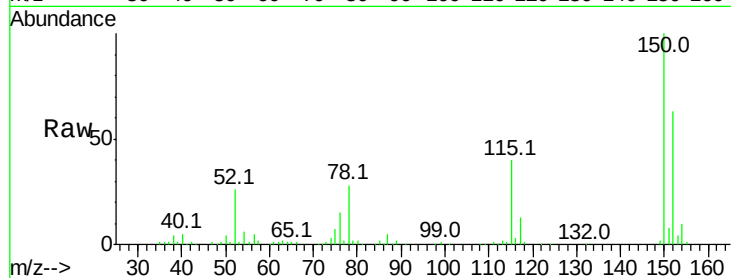
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.02 min
Lab File: BF093181.D
Acq: 25 Feb 2017 9:48

Instrument :
BNA_F
ClientSampleId :
E2-Z5W-SW

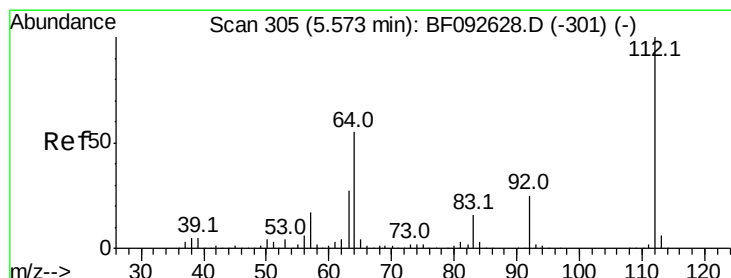
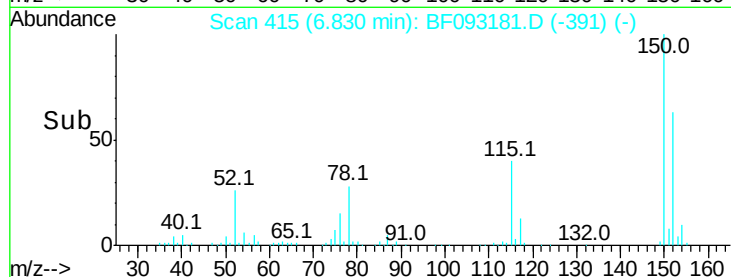
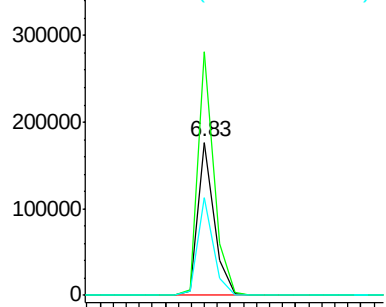
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.9	187.3
115	64.2	46.0	69.0

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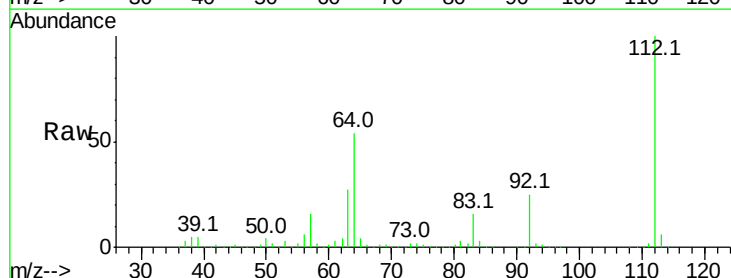
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



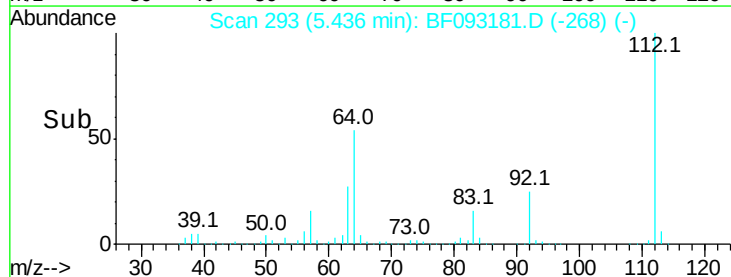
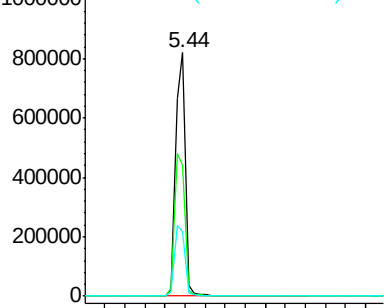
#5

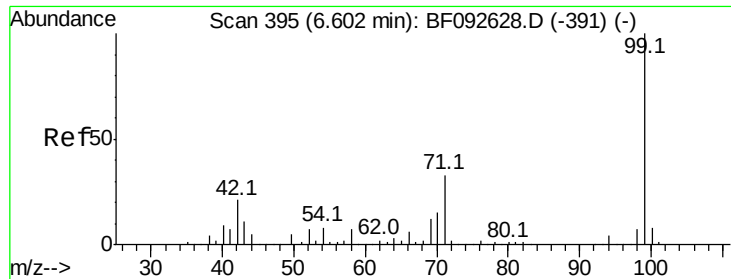
2-Fluorophenol
Concen: 121.26 ng
RT: 5.44 min Scan# 293
Delta R.T. -0.01 min
Lab File: BF093181.D
Acq: 25 Feb 2017 9:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	46.1	69.1
63	26.7	23.8	35.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 108.79 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093181.D

Acq: 25 Feb 2017 9:48

Instrument :

BNA_F

ClientSampleId :

E2-Z5W-SW

Tot Ion: 99 Resp: 1255255

Ion Ratio Lower Upper

99 100

42 20.5 15.6 23.4

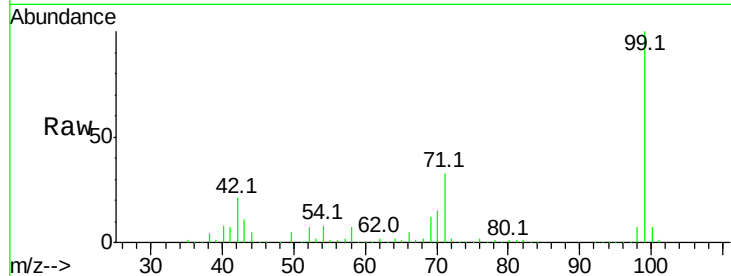
71 33.1 27.5 41.3

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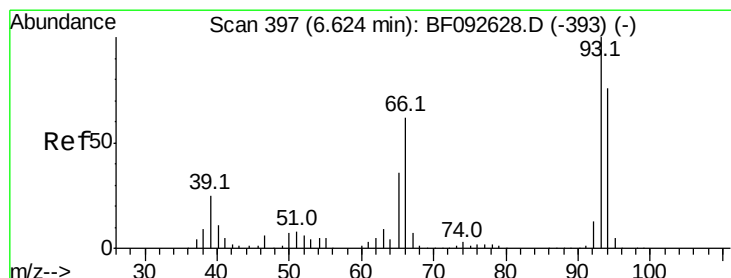
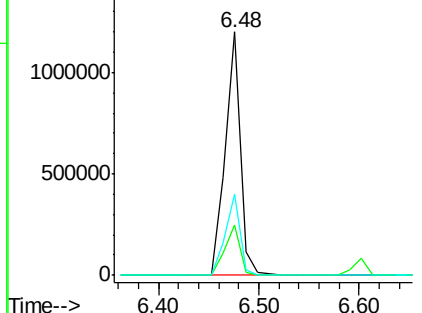
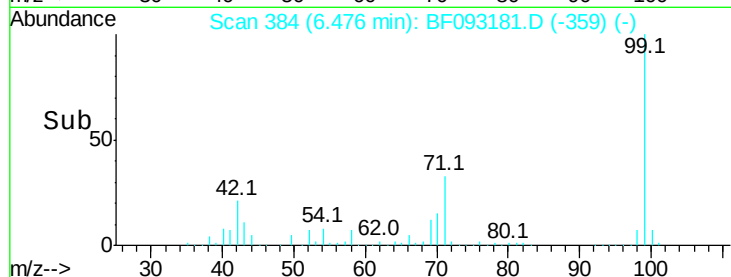
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 6.37 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093181.D

Acq: 25 Feb 2017 9:48

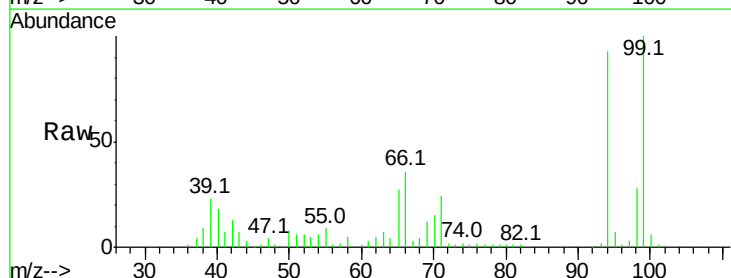
Tgt Ion: 94 Resp: 86015

Ion Ratio Lower Upper

94 100

65 29.0 21.4 61.4

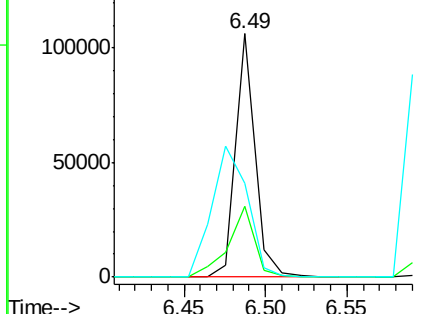
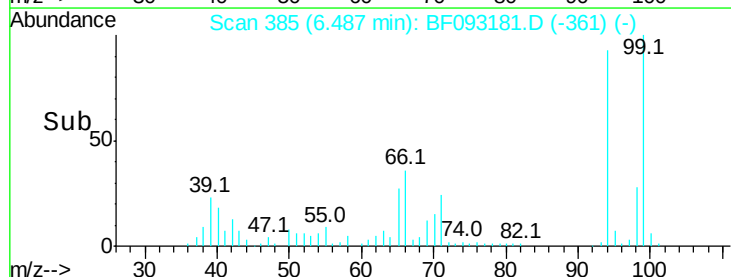
66 38.6 44.0 84.0#

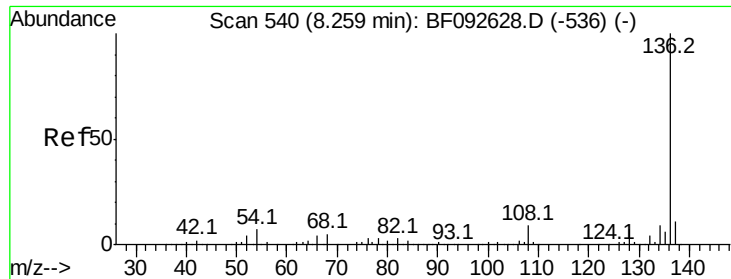


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





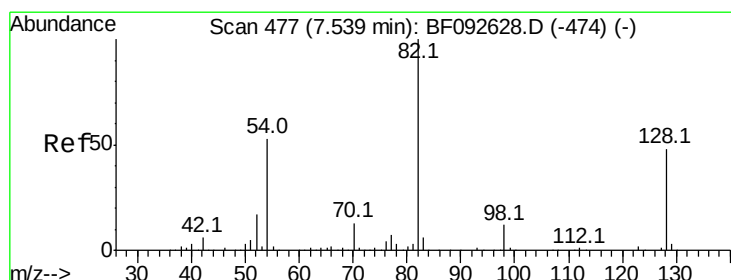
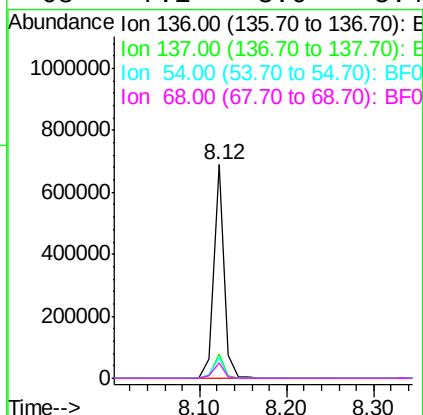
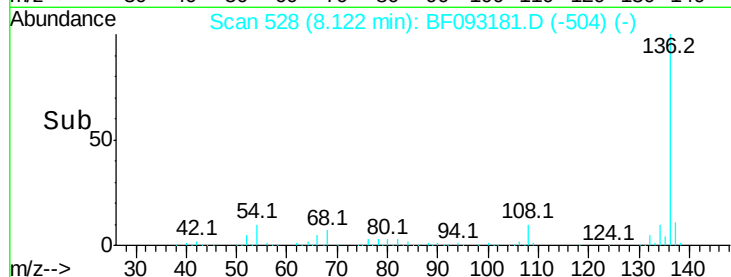
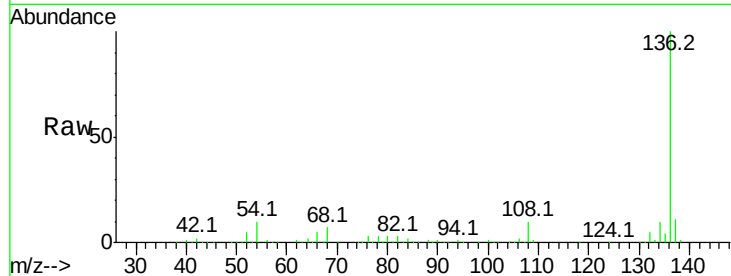
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093181.D
Acq: 25 Feb 2017 9:48

Instrument :
BNA_F
ClientSampled :
E2-Z5W-SW

Tot Ion	Ratio	Resp	Lower	Upper
136	100	579958		
137	11.2		8.4	12.6
54	9.9		4.5	6.7#
68	7.1		3.6	5.4#

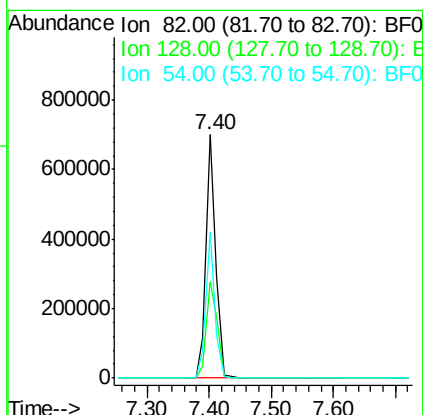
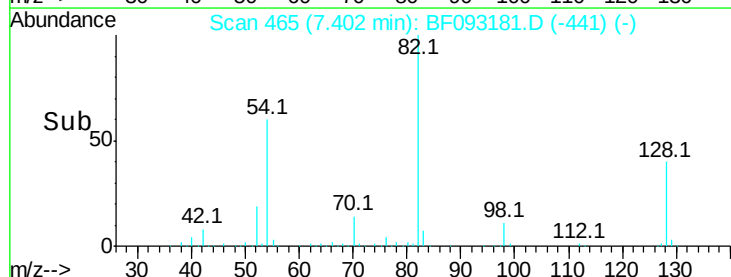
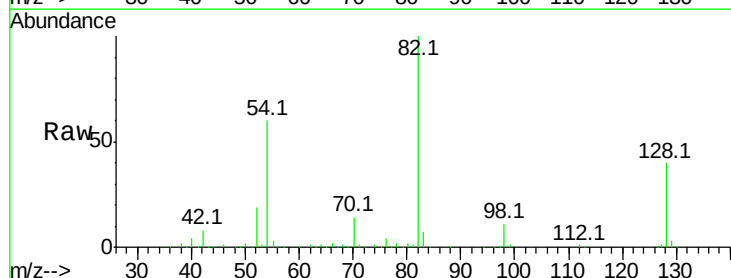
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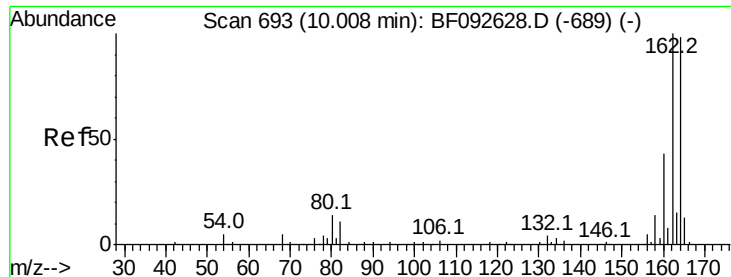
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#23
Nitrobenzene-d5
Concen: 74.66 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093181.D
Acq: 25 Feb 2017 9:48

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	777589		
128	39.6		34.6	52.0
54	60.1		39.5	59.3#





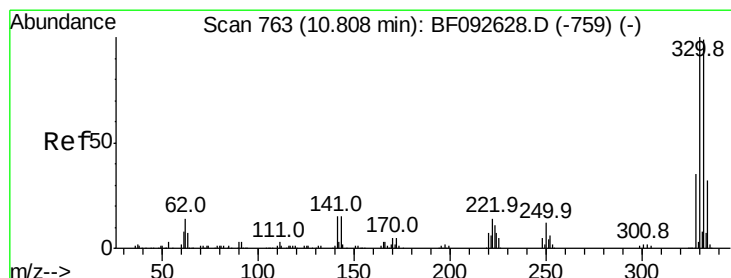
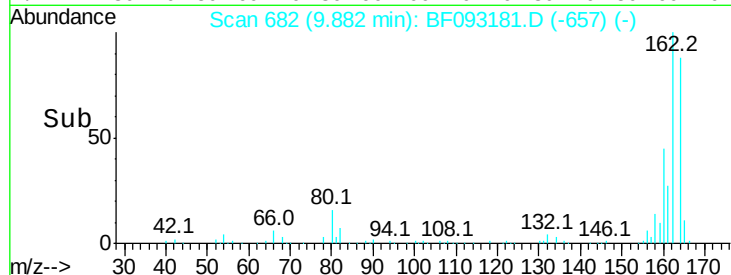
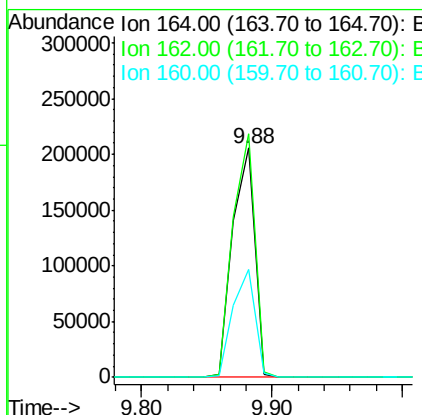
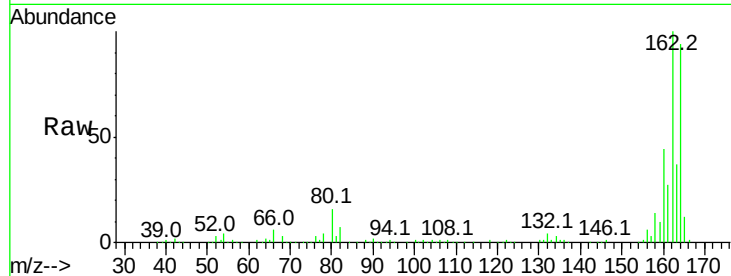
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 682
 Delta R.T. -0.01 min
 Lab File: BF093181.D
 Acq: 25 Feb 2017 9:48

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z5W-SW

Tot Ion	Ratio	Resp	Lower	Upper
164	100	242183		
162	106.4	80.2	120.2	
160	47.1	36.9	55.3	

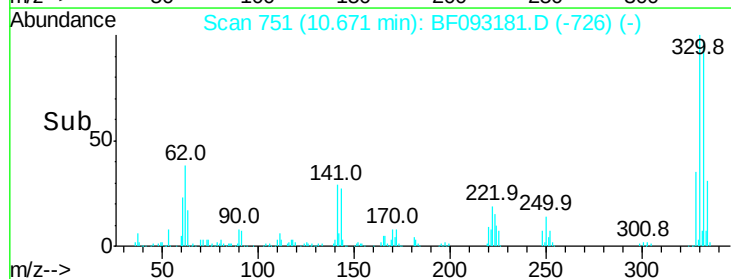
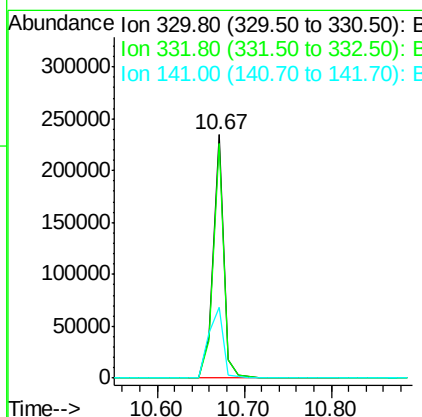
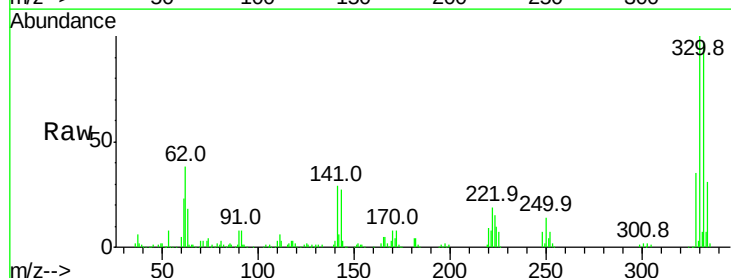
Manual Integrations
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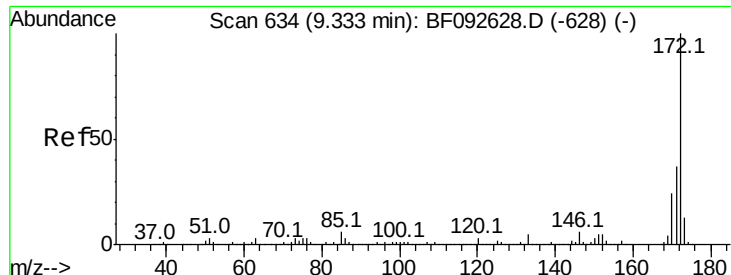
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#41
 2,4,6-Tribromophenol
 Concen: 117.74 ng
 RT: 10.67 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: BF093181.D
 Acq: 25 Feb 2017 9:48

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	206232		
332	96.2	77.4	116.2	
141	39.7	34.1	51.1	





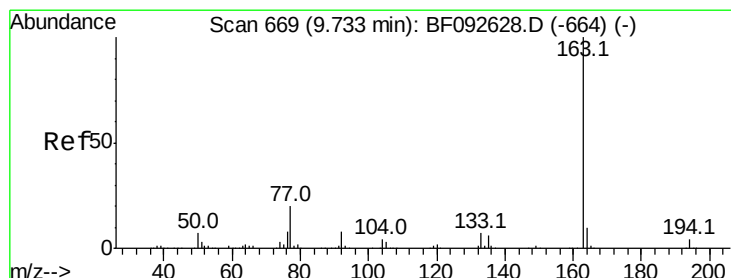
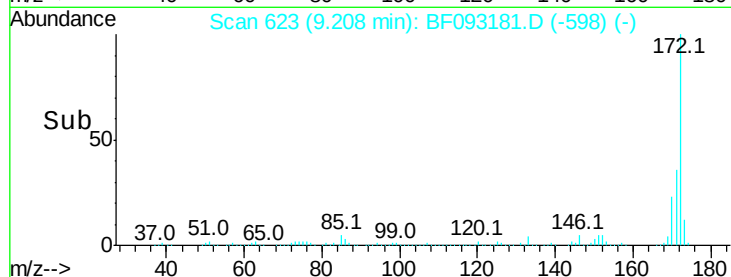
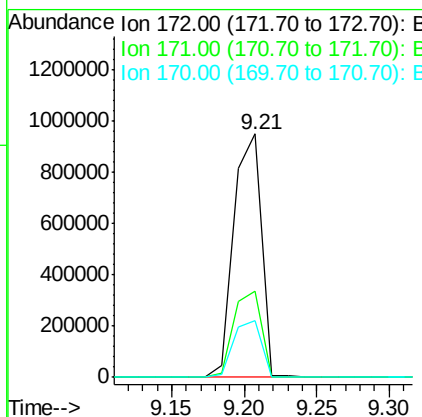
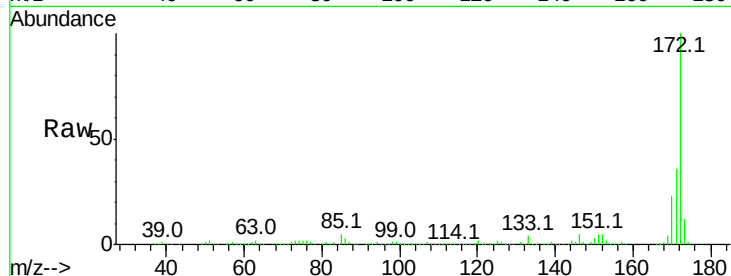
#44
2-Fluorobiphenyl
Concen: 94.05 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.01 min
Lab File: BF093181.D
Acq: 25 Feb 2017 9:48

Instrument :
BNA_F
ClientSampleId :
E2-Z5W-SW

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.0
170	23.4	20.2	30.4

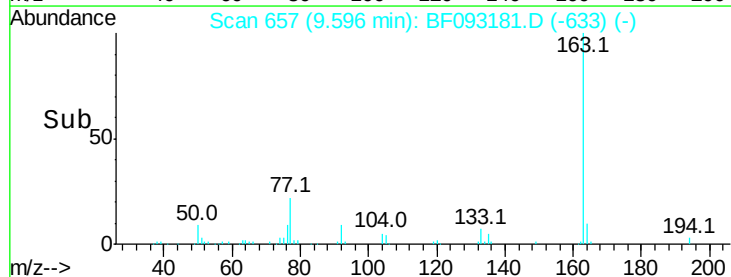
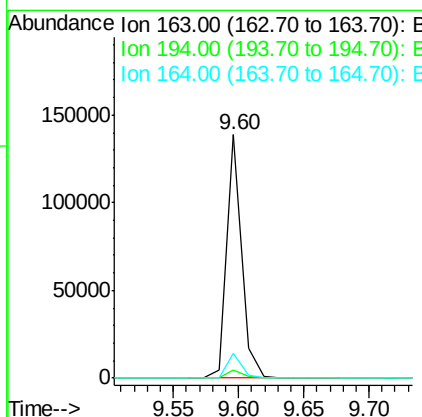
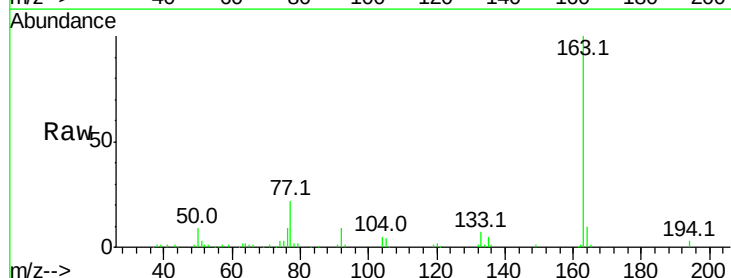
Manual Integrations
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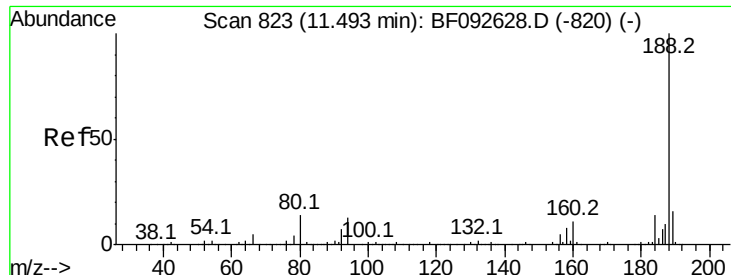
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#49
Dimethylphthalate
Concen: 6.86 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF093181.D
Acq: 25 Feb 2017 9:48

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.2	3.0	4.4
164	10.4	8.0	12.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF093181.D

Acq: 25 Feb 2017 9:48

Instrument :

BNA_F

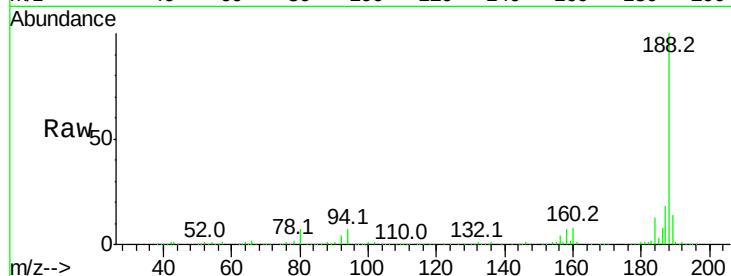
ClientSampleId :

E2-Z5W-SW

Tot Ion:	188	Resp:	371657
Ion Ratio	Lower	Upper	
188	100		
94	7.0	10.0	15.0#
80	7.3	11.2	16.8#

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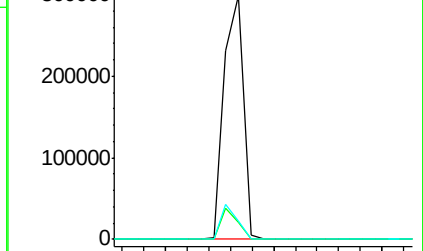
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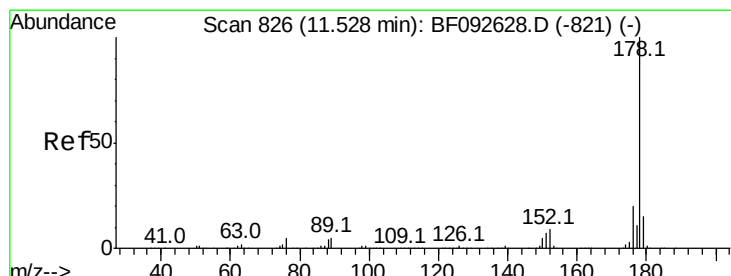
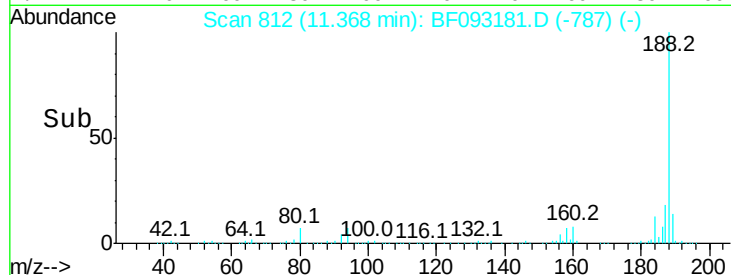
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#70

Phenanthrene

Concen: 14.28 ng

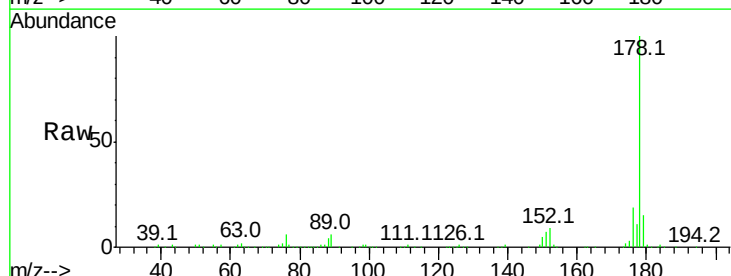
RT: 11.39 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF093181.D

Acq: 25 Feb 2017 9:48

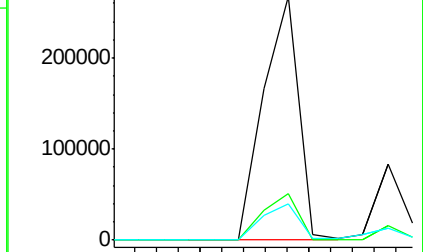
Tgt Ion:	178	Resp:	304053
Ion Ratio	Lower	Upper	
178	100		
176	19.0	16.6	25.0
179	14.8	12.8	19.2



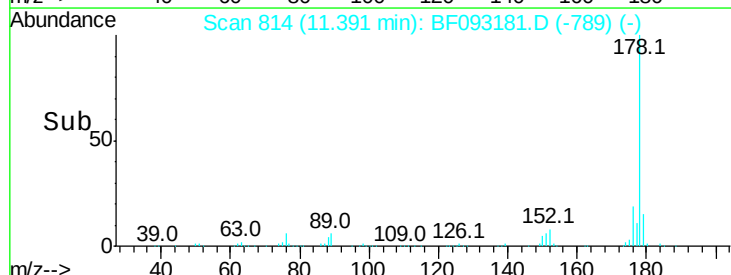
Abundance Ion 178.00 (177.70 to 178.70): E

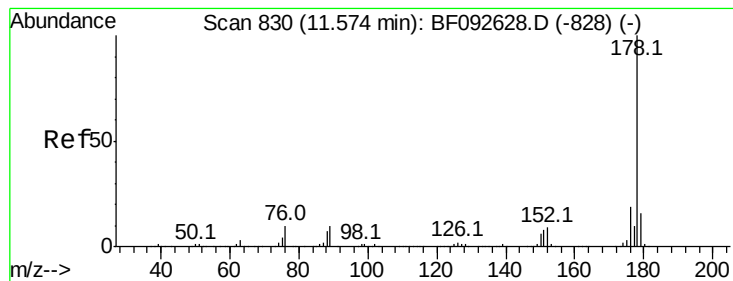
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#71

Anthracene

Concen: 3.59 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.02 min

Lab File: BF093181.D

Acq: 25 Feb 2017 9:48

Instrument :

BNA_F

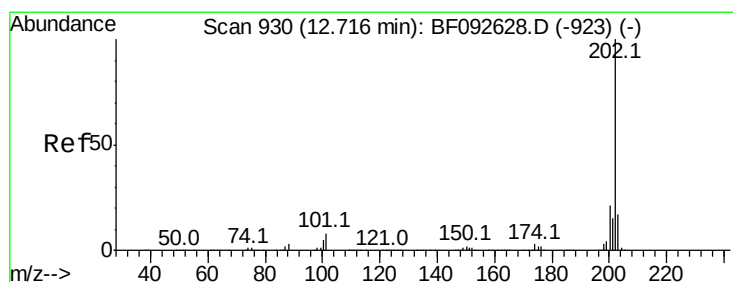
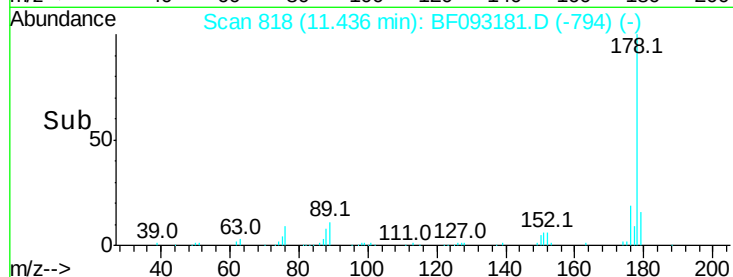
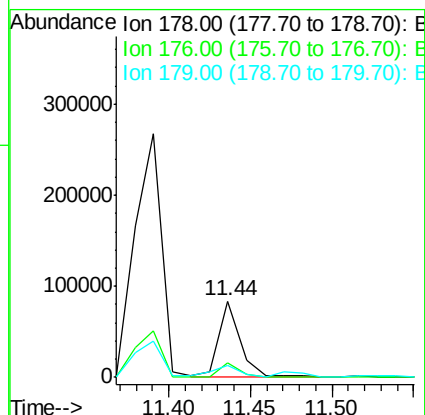
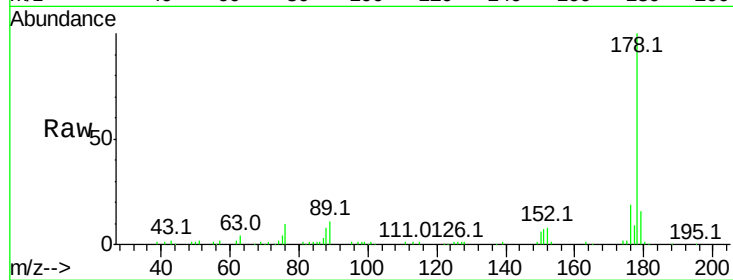
ClientSampleId :

E2-Z5W-SW

Tot Ion:178	Resp:	76727
Ion Ratio	Lower	Upper
178 100		
176 18.8	15.9	23.9
179 15.6	13.2	19.8

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#74

Fluoranthene

Concen: 18.70 ng

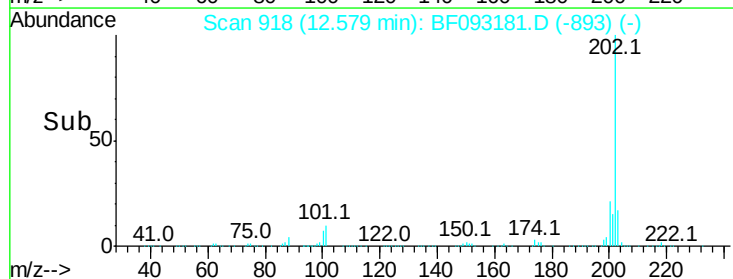
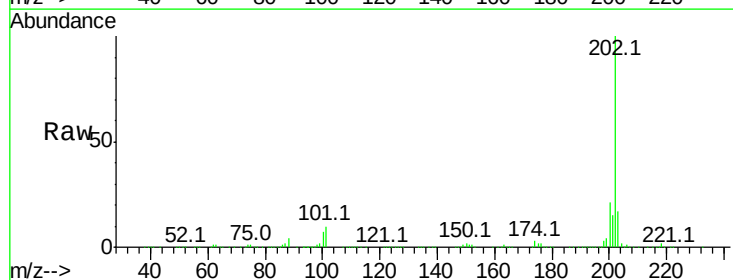
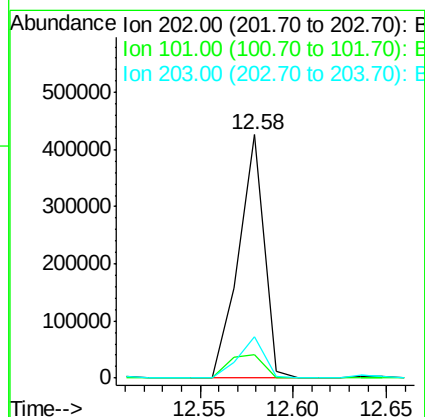
RT: 12.58 min Scan# 918

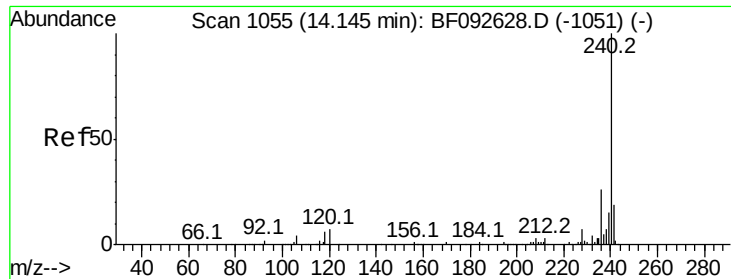
Delta R.T. -0.01 min

Lab File: BF093181.D

Acq: 25 Feb 2017 9:48

Tgt Ion:202	Resp:	410747
Ion Ratio	Lower	Upper
202 100		
101 9.5	0.0	34.6
203 17.0	0.0	38.7





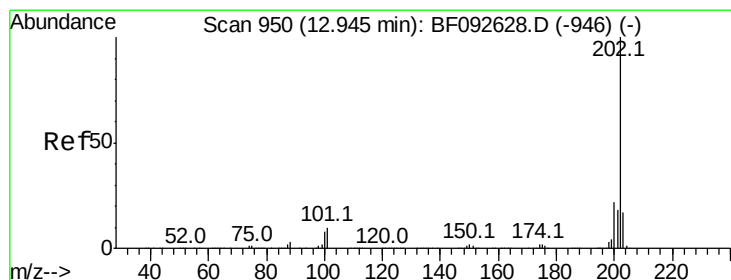
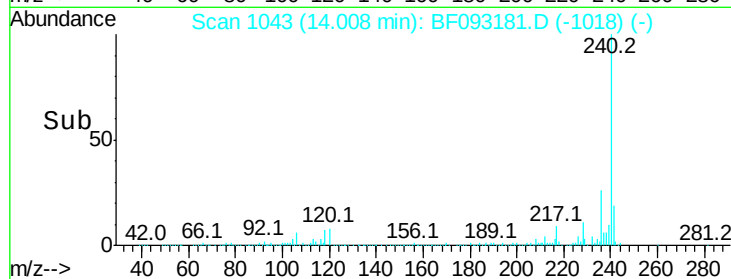
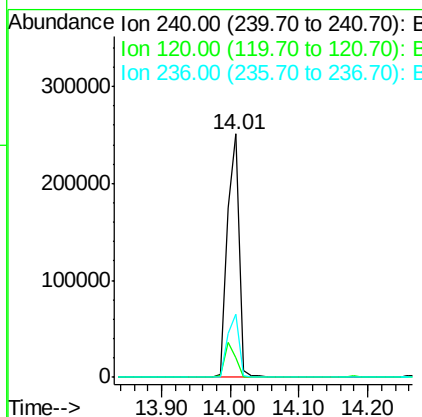
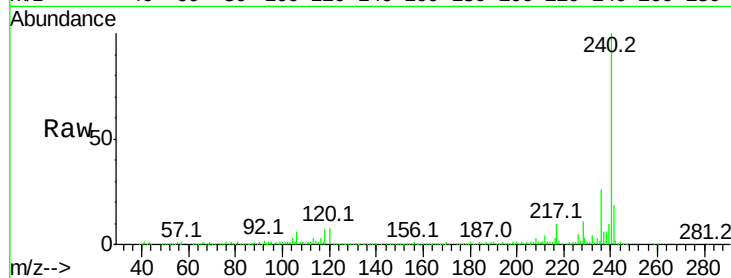
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF093181.D
Acq: 25 Feb 2017 9:48

Instrument :
BNA_F
ClientSampleId :
E2-Z5W-SW

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.3	12.9	19.3#
236	25.7	20.9	31.3

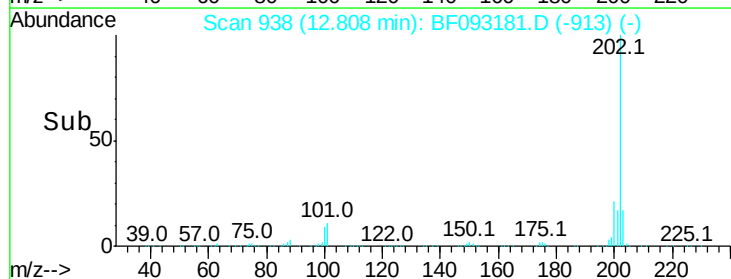
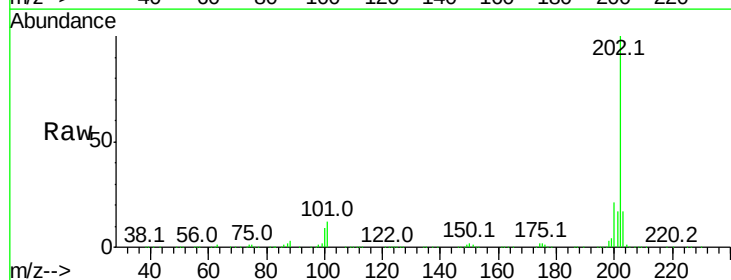
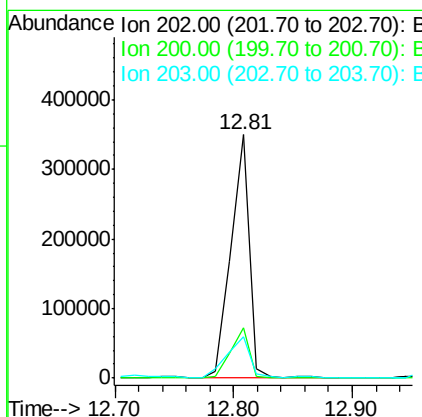
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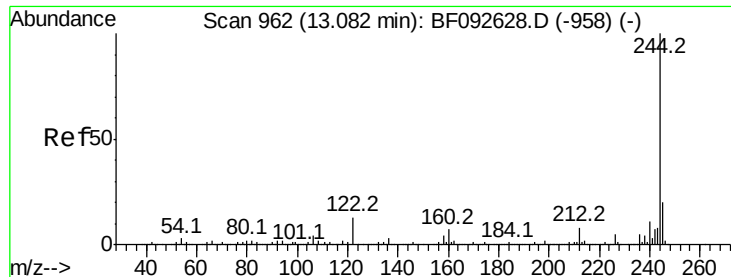
mohammad
2/27/2017 1:08:36 PM



#77
Pyrene
Concen: 16.41 ng
RT: 12.81 min Scan# 938
Delta R.T. -0.01 min
Lab File: BF093181.D
Acq: 25 Feb 2017 9:48

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.7	26.5
203	17.2	14.7	22.1





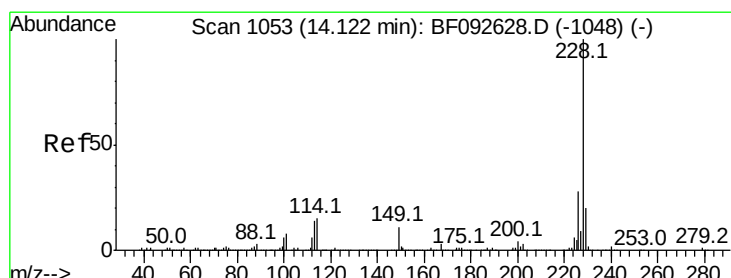
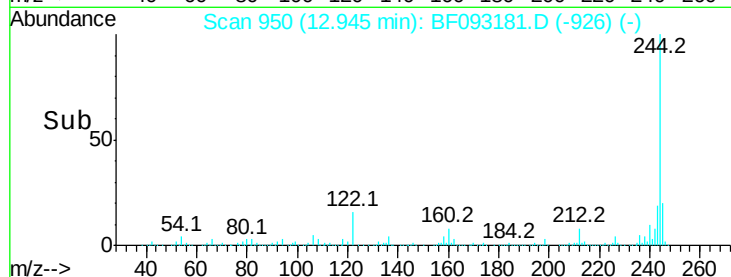
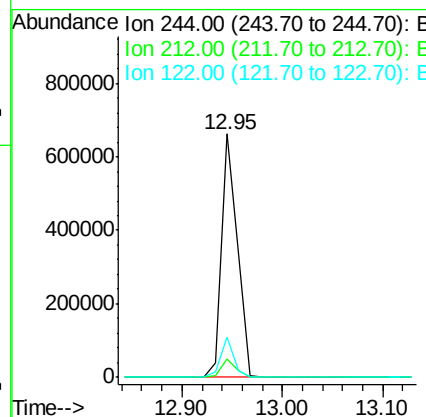
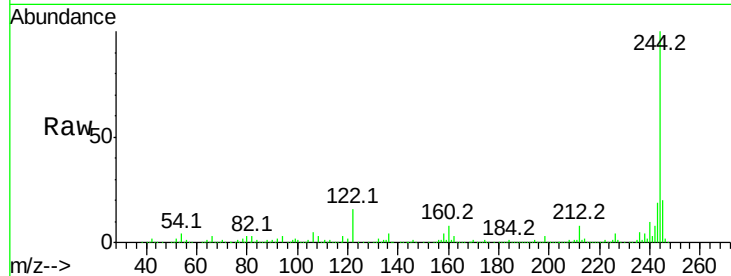
#78
 Terphenyl-d14
 Concen: 55.43 ng
 RT: 12.95 min Scan# 950
 Delta R.T. -0.02 min
 Lab File: BF093181.D
 Acq: 25 Feb 2017 9:48

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z5W-SW

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.2
122	16.2	11.4	17.2

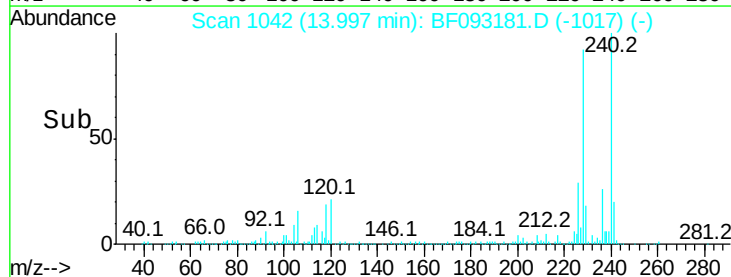
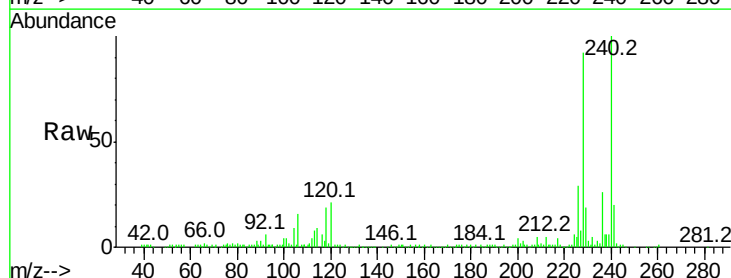
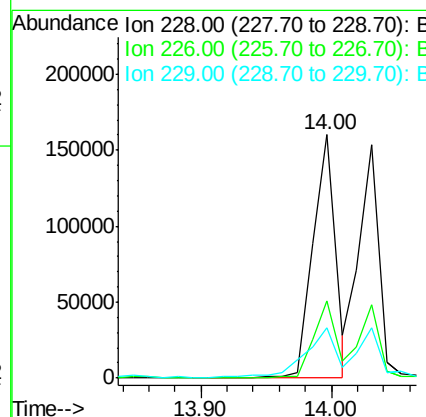
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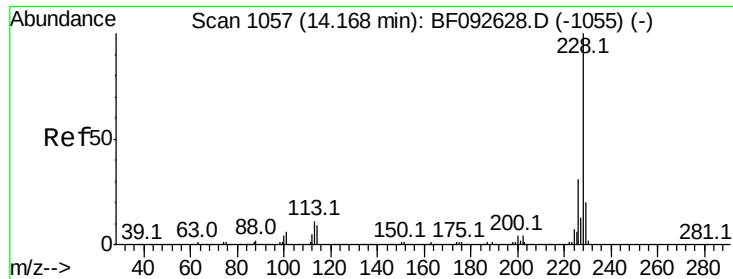
mohammad
 2/27/2017 1:08:36 PM



#80
 Benzo(a)anthracene
 Concen: 10.42 ng
 RT: 14.00 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: BF093181.D
 Acq: 25 Feb 2017 9:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.4	33.6
229	20.4	16.2	24.4





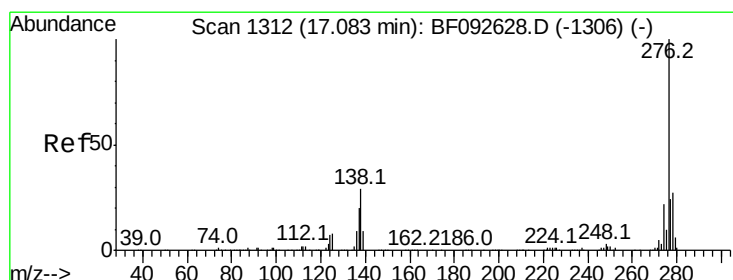
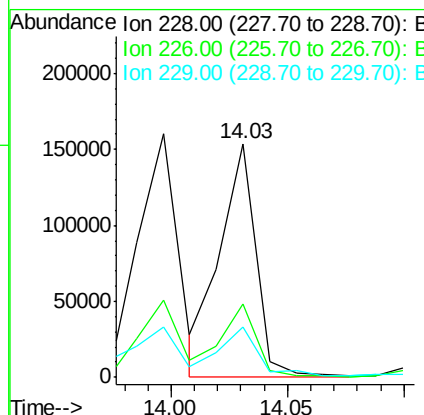
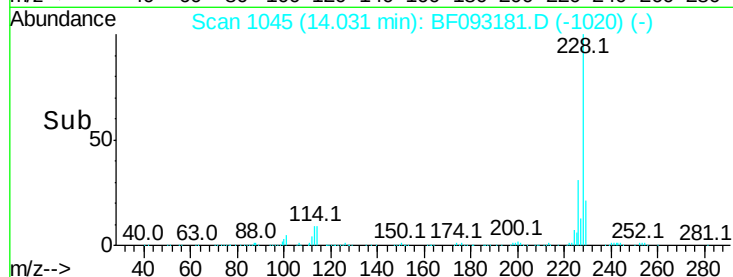
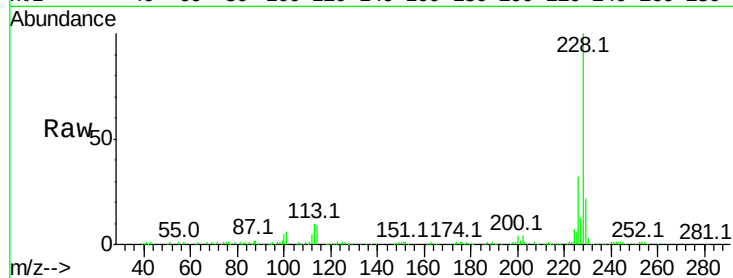
#82
Chrysene
Concen: 9.45 ng/ml
RT: 14.03 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF093181.D
Acq: 25 Feb 2017 9:48

Instrument :
BNA_F
ClientSampleId :
E2-Z5W-SW

Tot Ion:	228	Resp:	164604
Ion Ratio	Lower	Upper	
228	100		
226	31.6	25.4	38.0
229	21.7	16.2	24.2

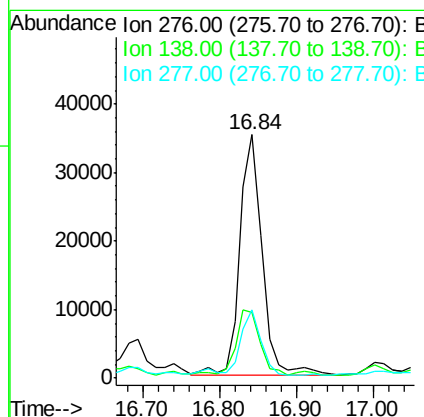
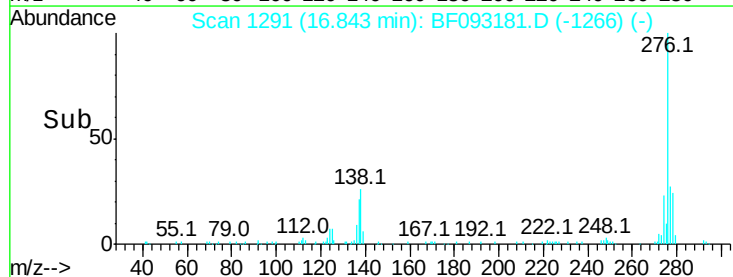
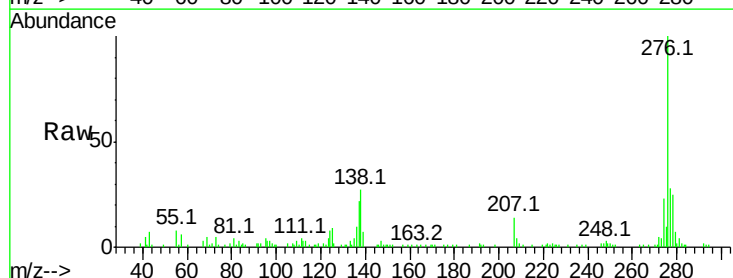
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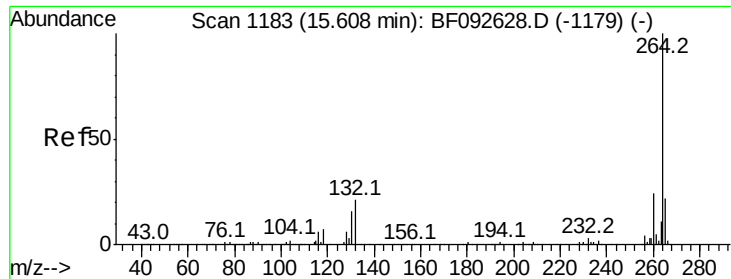
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.35 ng/ml
RT: 16.84 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF093181.D
Acq: 25 Feb 2017 9:48

Tgt Ion:	276	Resp:	72173
Ion Ratio	Lower	Upper	
276	100		
138	28.9	21.8	32.6
277	23.5	20.2	30.4





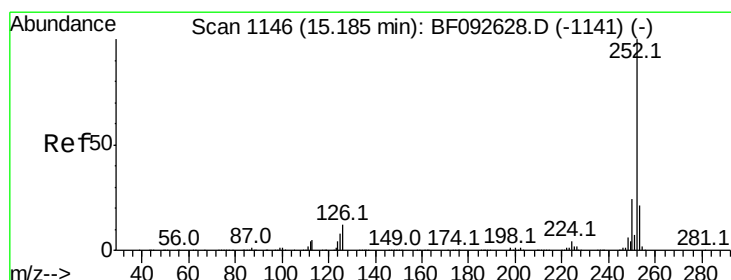
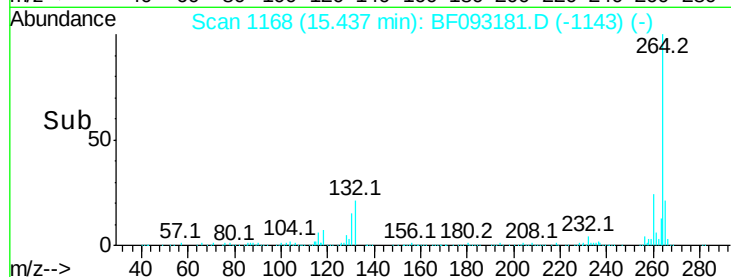
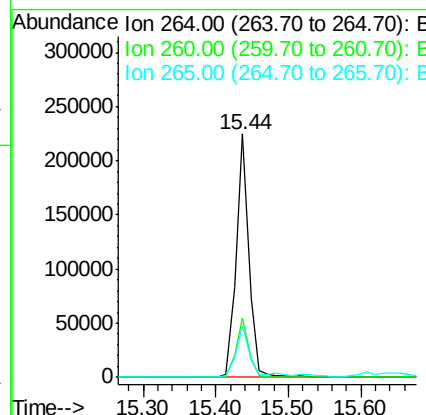
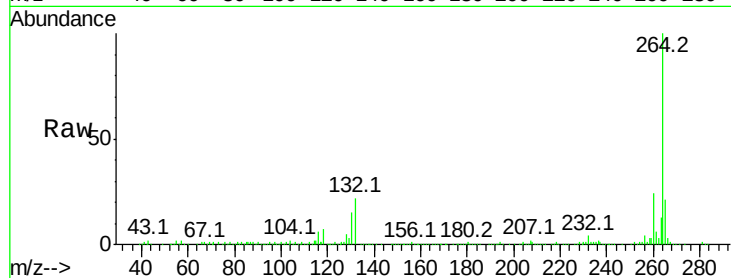
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF093181.D
Acq: 25 Feb 2017 9:48

Instrument :
BNA_F
ClientSampleId :
E2-Z5W-SW

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.5	17.4	26.0

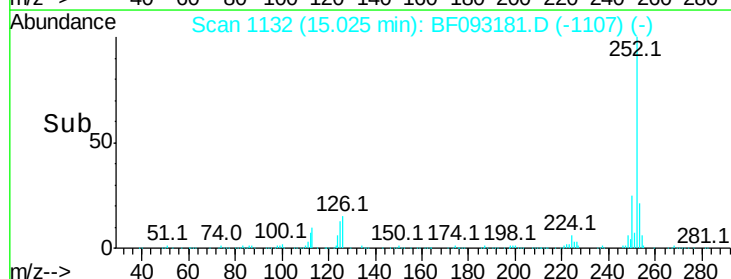
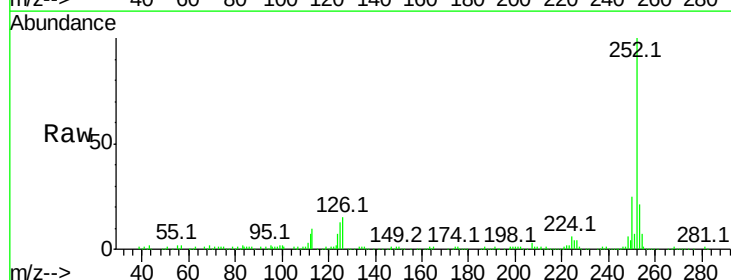
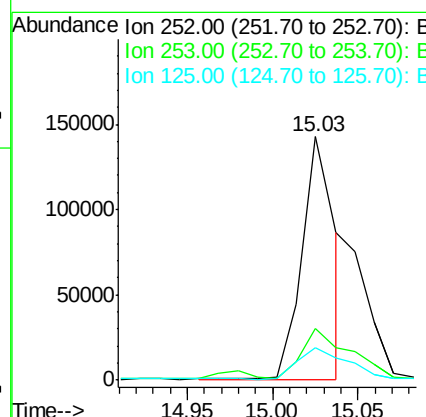
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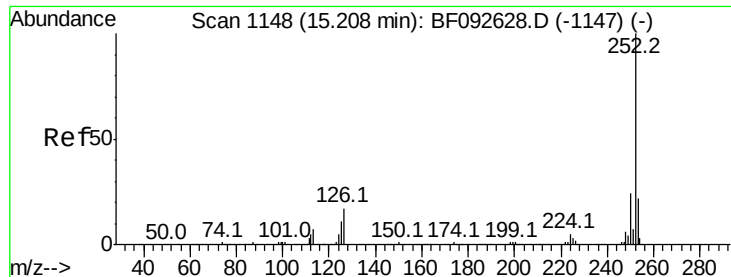
mohammad
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#87
Benzo(b)fluoranthene
Concen: 10.56 ng m
RT: 15.03 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF093181.D
Acq: 25 Feb 2017 9:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.2	27.4
125	13.3	9.8	14.6





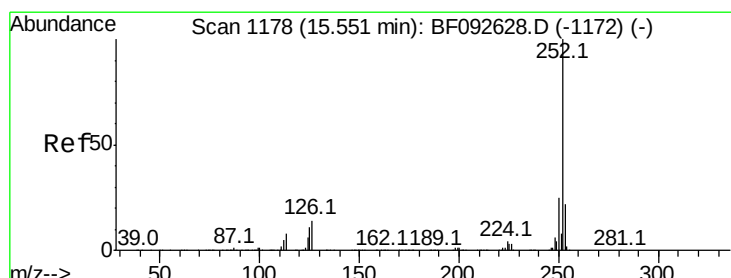
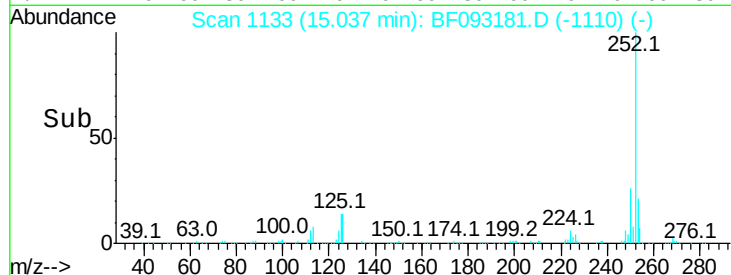
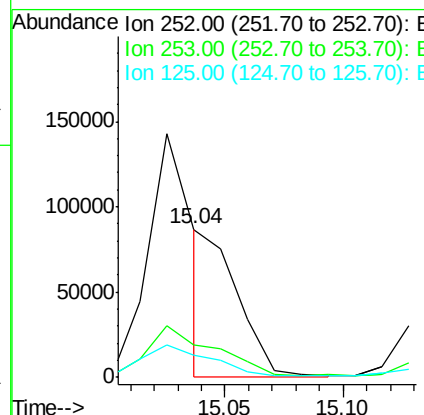
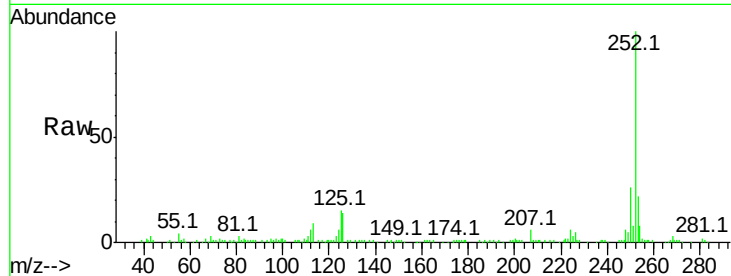
#88
Benzo(k)fluoranthene
Concen: 5.12 ng m
RT: 15.04 min Scan# 1133
Delta R.T. -0.03 min
Lab File: BF093181.D
Acq: 25 Feb 2017 9:48

Instrument :
BNA_F
ClientSampleId :
E2-Z5W-SW

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.5	27.7
125	14.6	8.9	13.3

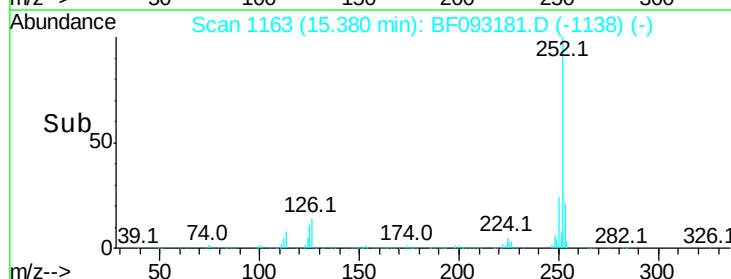
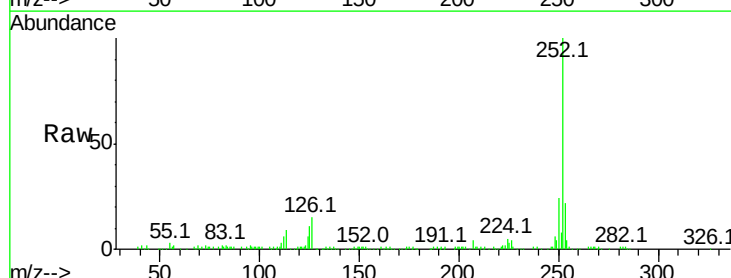
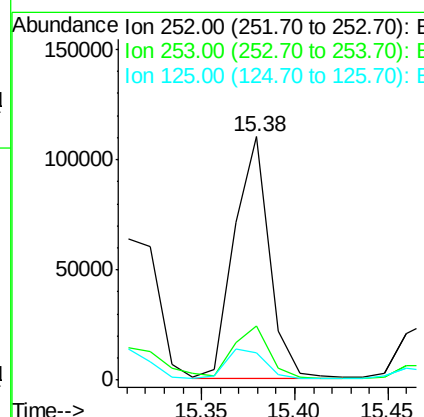
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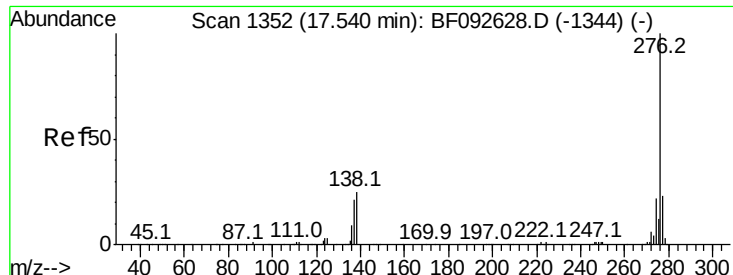
mohammad
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#89
Benzo(a)pyrene
Concen: 9.22 ng
RT: 15.38 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF093181.D
Acq: 25 Feb 2017 9:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	11.4	10.0	15.0





#91
 Benzo(a,h,i)perylene
 Concen: 5.01 ng
 RT: 17.27 min Scan# 1328
 Delta R.T. -0.02 min
 Lab File: BF093181.D
 Acq: 25 Feb 2017 9:48

Instrument :
 BNA_F
 ClientSampleId :
 E2-Z5W-SW

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.5	19.2	28.8
138	26.3	16.0	24.0

Manual Integrations
 APPROVED

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 2/27/2017 1:08:36 PM

