

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
 Data File : BF093176.D
 Acq On : 25 Feb 2017 7:28
 Operator : SJ/MA
 Sample : I1973-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-Y5S-SW

Manual Integrations
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Quant Time: Feb 27 00:39:18 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	150216	20.00	ng	-0.02
21) Naphthalene-d8	8.12	136	567282	20.00	ng	-0.02
38) Acenaphthene-d10	9.88	164	233041	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	343314	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	305165	20.00	ng	-0.01
86) Perylene-d12	15.44	264	262067	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	1355787	154.85	ng	-0.01
7) Phenol-d6	6.48	99	1587210	140.89	ng	-0.01
23) Nitrobenzene-d5	7.40	82	1013037	99.44	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	231044	137.08	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1530558	118.99	ng	-0.01
78) Terphenyl-d14	12.95	244	900539	69.34	ng	-0.02
Target Compounds						
10) Phenol	6.49	94	76421	5.80	ng	Qvalue 96
49) Dimethylphthalate	9.60	163	100250	6.39	ng	# 99
70) Phenanthrene	11.39	178	139887	7.11	ng	95
74) Fluoranthene	12.58	202	149324	7.36	ng	92
77) Pyrene	12.81	202	132868	5.82	ng	96
80) Benzo(a)anthracene	14.00	228	69996	3.75	ng	98
82) Chrysene	14.03	228	62369m	3.57	ng	
87) Benzo(b)fluoranthene	15.03	252	68829m	3.99	ng	
89) Benzo(a)pyrene	15.38	252	51252	3.43	ng	# 94

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

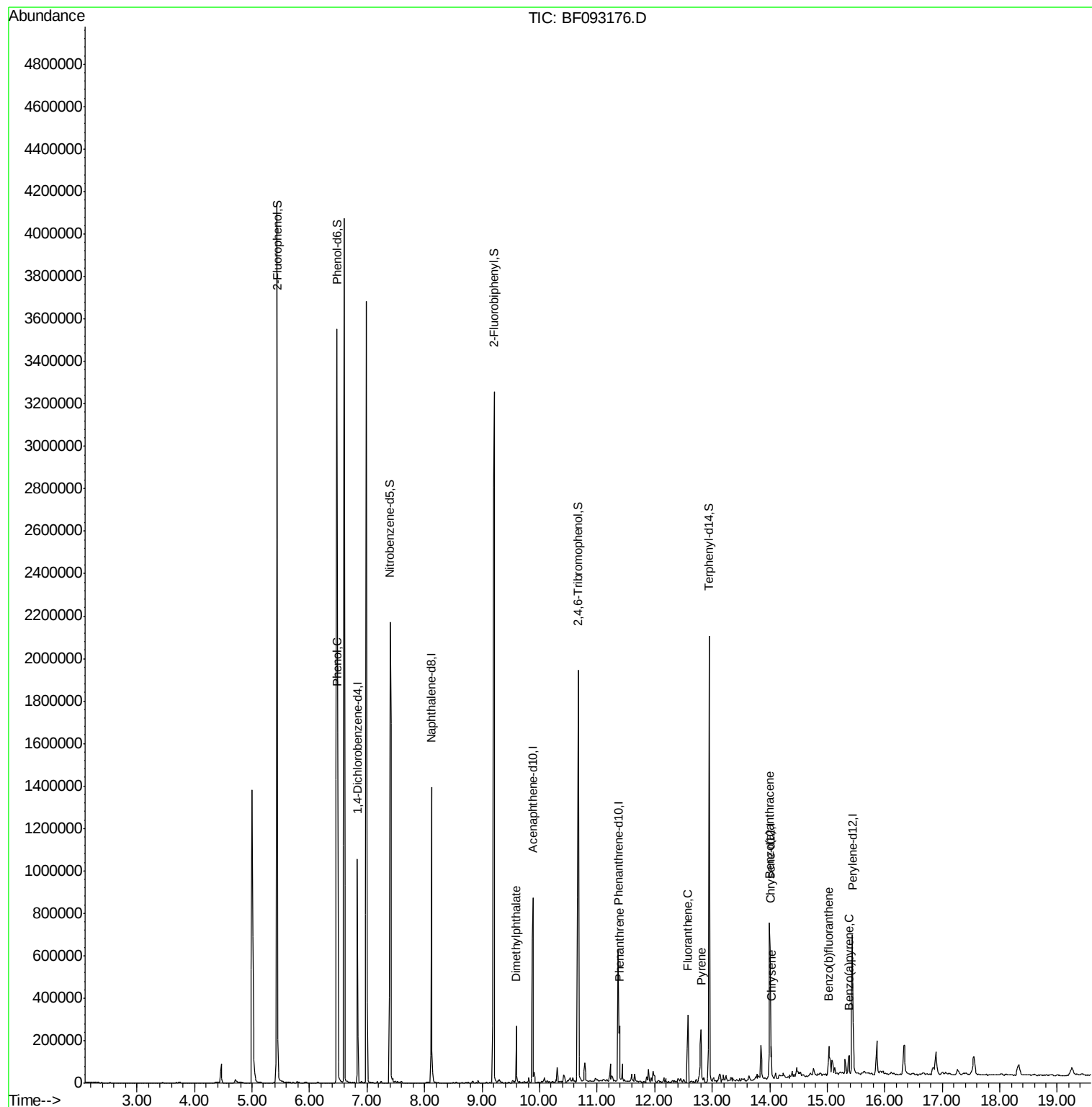
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022417\
Data File : BF093176.D
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Operator : SJ/MA
Sample : I1973-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

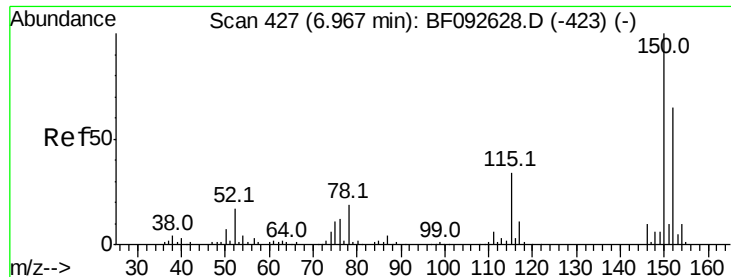
Instrument :
BNA_F
ClientSampleId :
E2-Y5S-SW

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#1

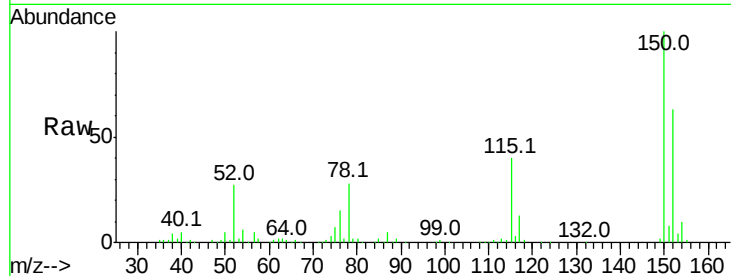
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.02 min
Lab File: BF093176.D
Acq: 25 Feb 2017 7:28

Instrument :
BNA_F
ClientSampleId :
E2-Y5S-SW

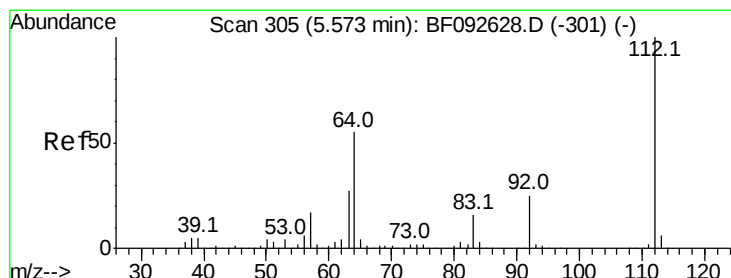
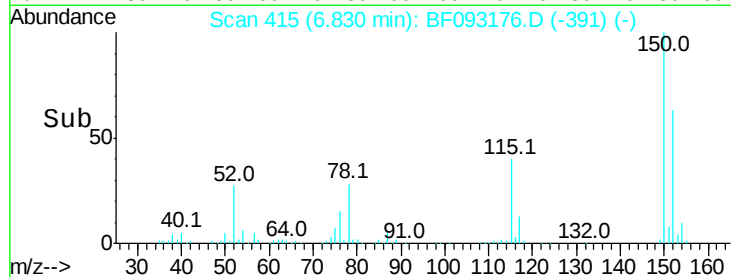
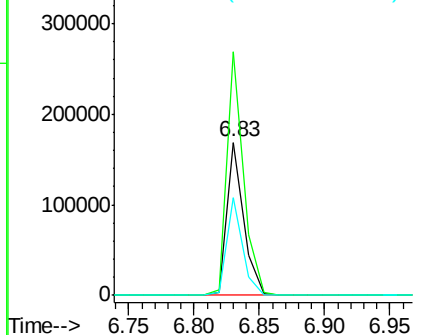
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.9	187.3
115	64.0	46.0	69.0

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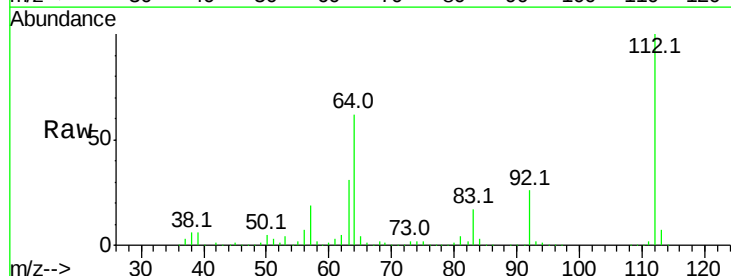
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



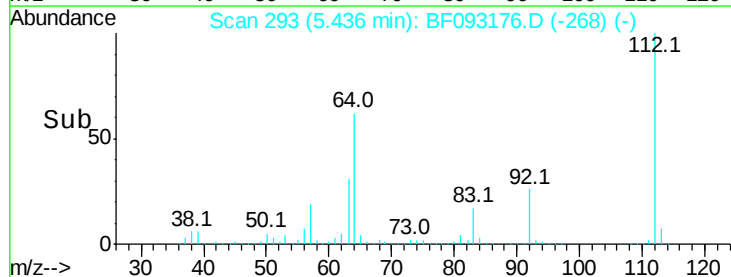
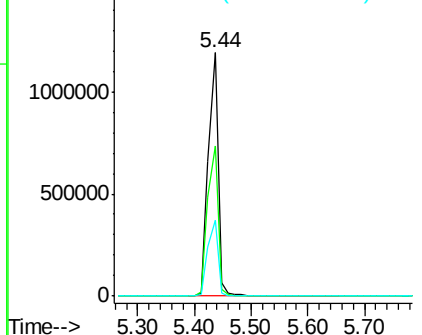
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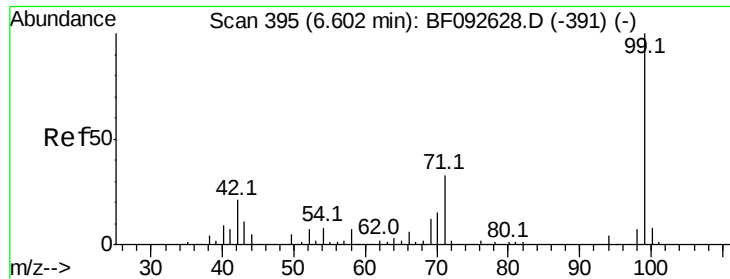
2-Fluorophenol
Concen: 154.85 ng
RT: 5.44 min Scan# 293
Delta R.T. -0.01 min
Lab File: BF093176.D
Acq: 25 Feb 2017 7:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	46.1	69.1
63	31.1	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: 140.89 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093176.D

Acq: 25 Feb 2017 7:28

Instrument :

BNA_F

ClientSampleId :

E2-Y5S-SW

Tot Ion: 99 Resp: 1587210

Ion Ratio Lower Upper

99 100

42 20.4 15.6 23.4

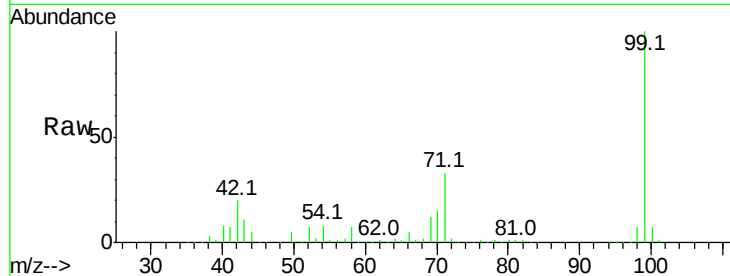
71 32.7 27.5 41.3

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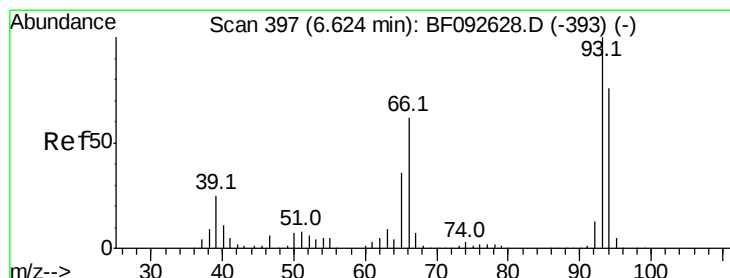
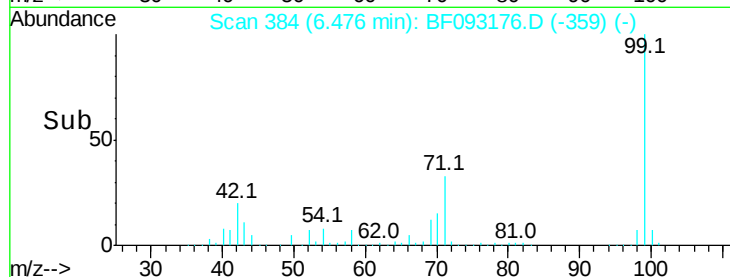
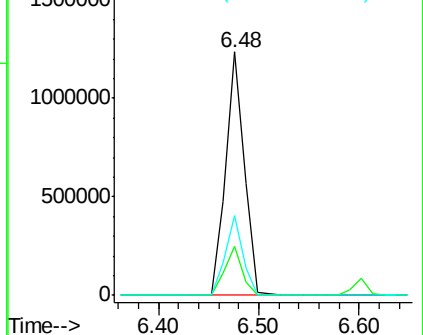
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 5.80 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093176.D

Acq: 25 Feb 2017 7:28

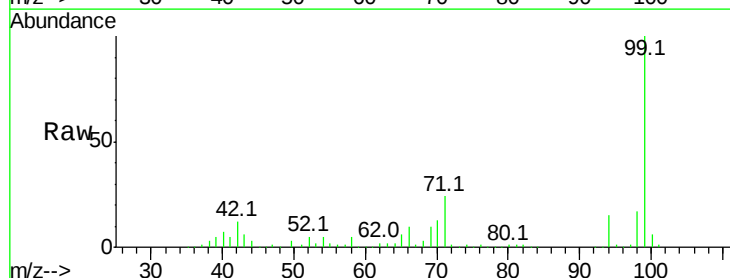
Tgt Ion: 94 Resp: 76421

Ion Ratio Lower Upper

94 100

65 38.4 21.4 61.4

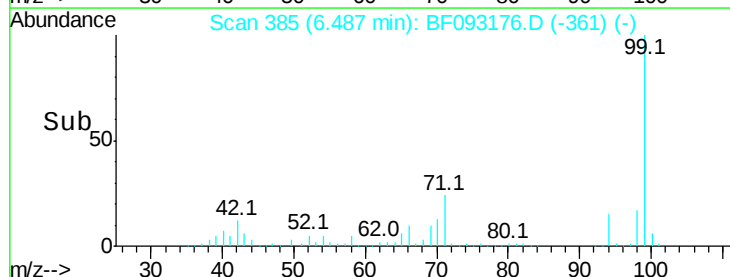
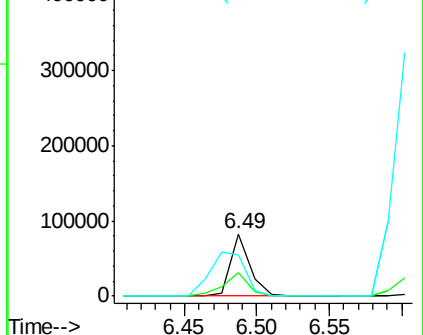
66 66.6 44.0 84.0

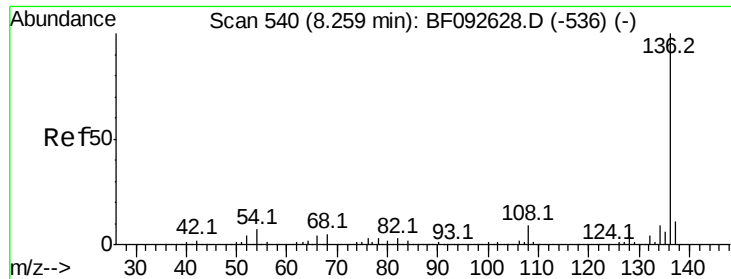


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





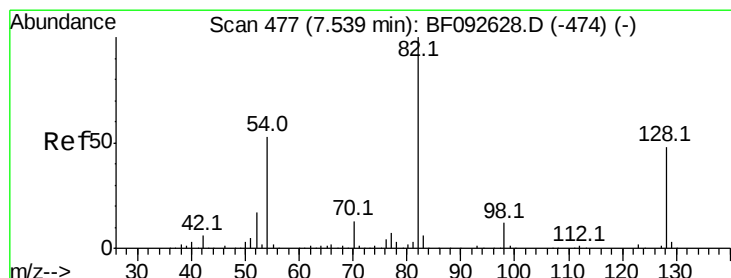
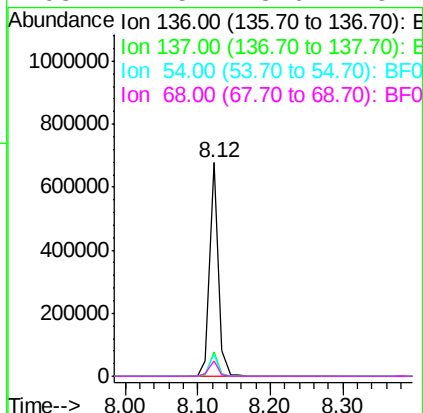
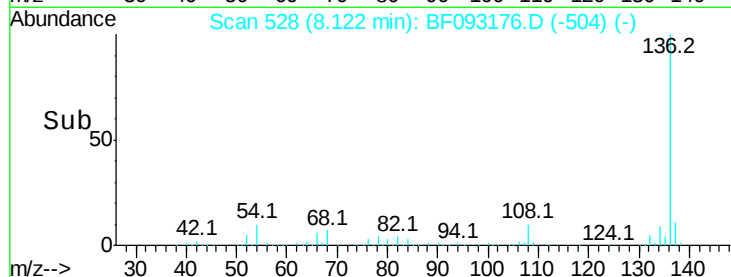
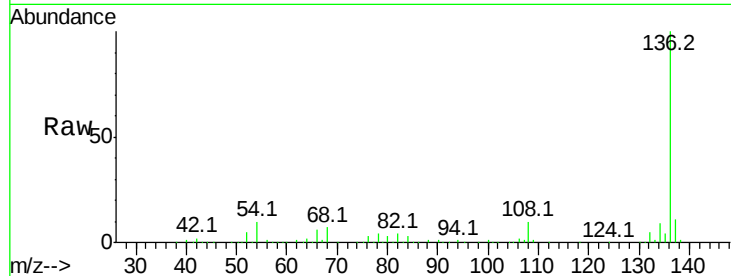
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093176.D
Acq: 25 Feb 2017 7:28

Instrument :
BNA_F
ClientSampled :
E2-Y5S-SW

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.4	12.6	
54	10.1	4.5	6.7#	
68	7.5	3.6	5.4#	

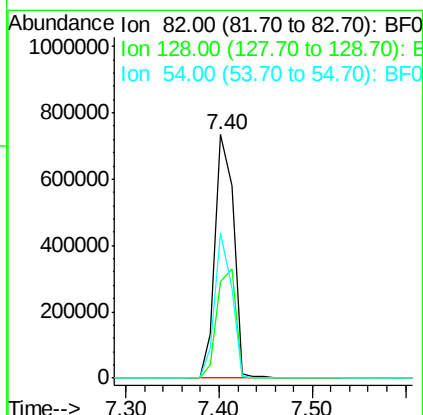
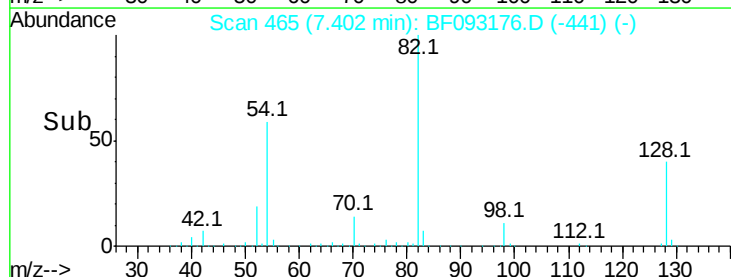
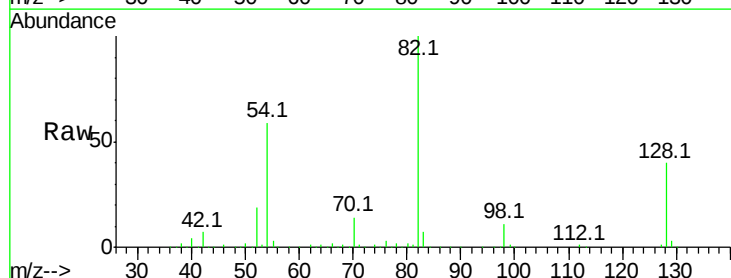
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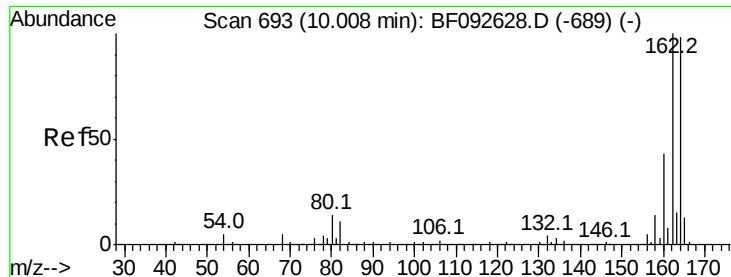
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#23
Nitrobenzene-d5
Concen: 99.44 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093176.D
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Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	39.7	34.6	52.0	
54	59.4	39.5	59.3#	





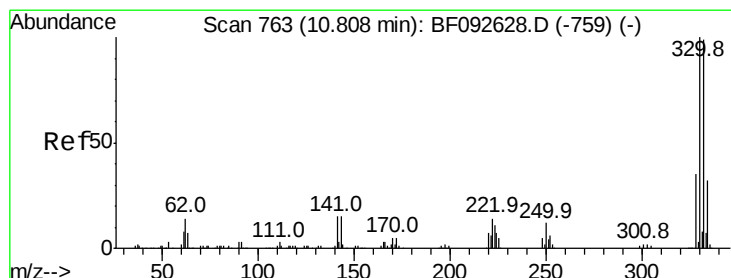
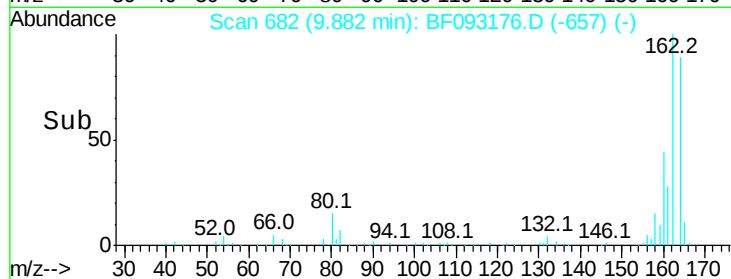
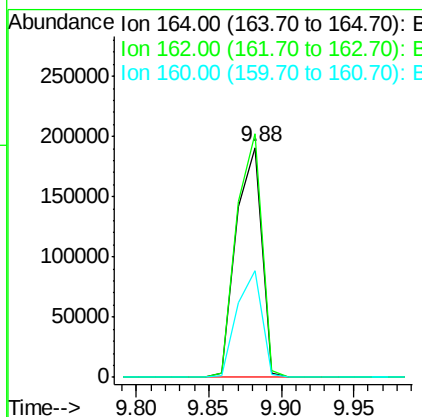
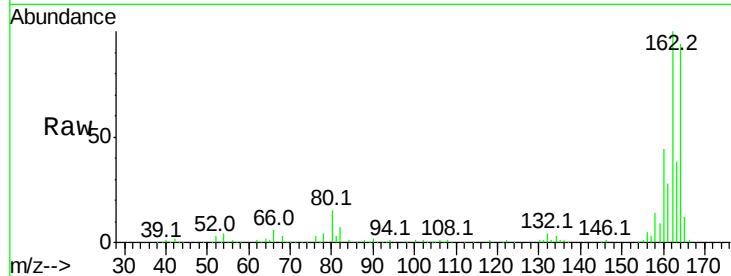
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF093176.D
Acq: 25 Feb 2017 7:28

Instrument :
BNA_F
ClientSampled :
E2-Y5S-SW

Tot Ion	Ratio	Lower	Upper
164	100		
162	106.0	80.2	120.2
160	46.3	36.9	55.3

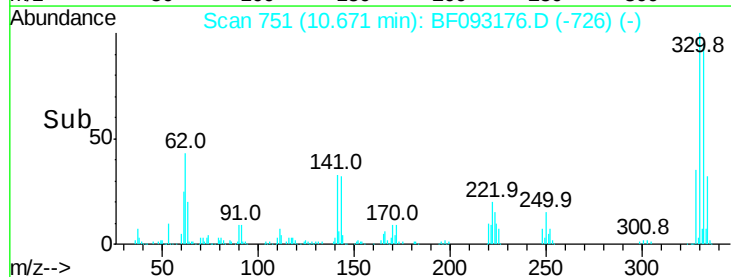
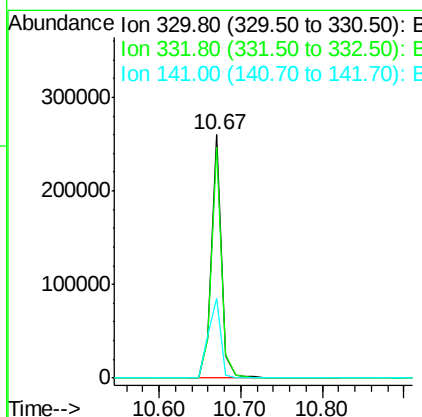
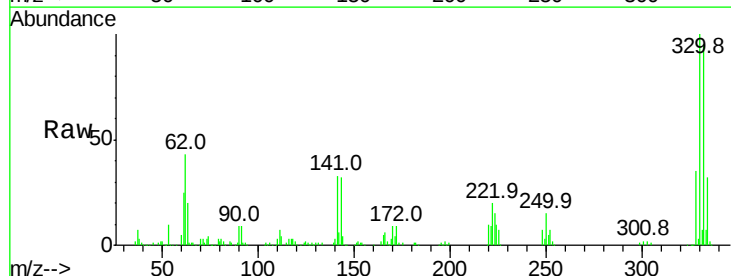
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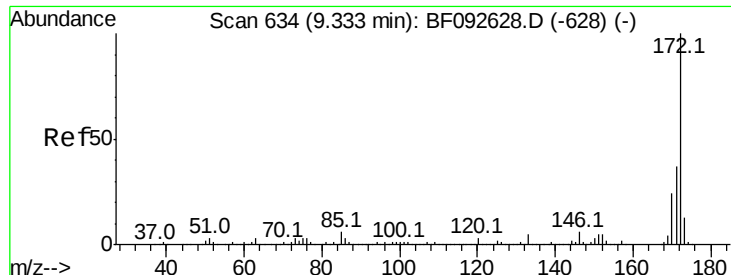
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#41
2,4,6-Tribromophenol
Concen: 137.08 ng
RT: 10.67 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF093176.D
Acq: 25 Feb 2017 7:28

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.4	116.2
141	40.8	34.1	51.1





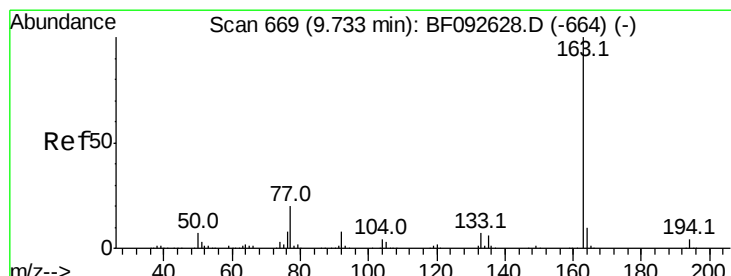
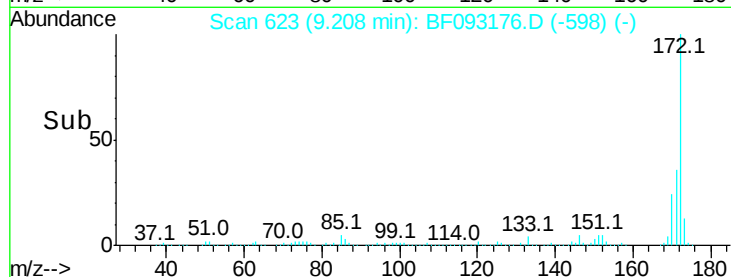
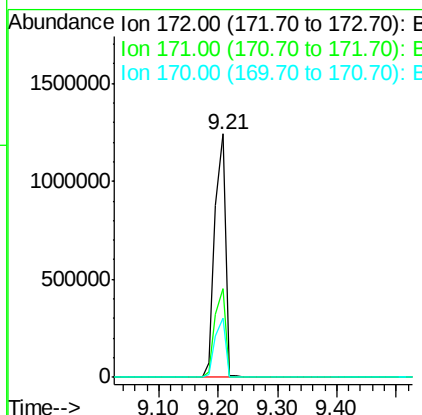
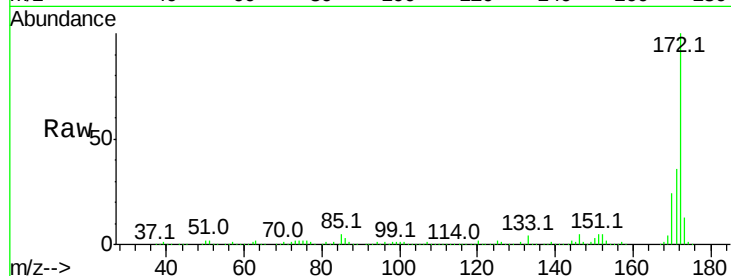
#44
2-Fluorobiphenyl
Concen: 118.99 ng
RT: 9.21 min Scan# 623
Delta R.T. -0.01 min
Lab File: BF093176.D
Acq: 25 Feb 2017 7:28

Instrument :
BNA_F
ClientSampleId :
E2-Y5S-SW

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.0
170	24.1	20.2	30.4

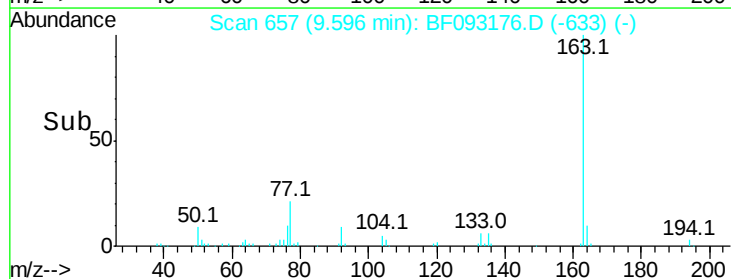
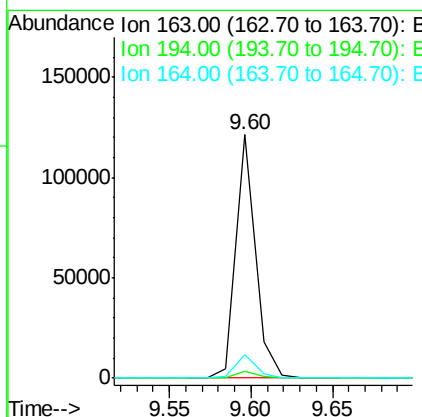
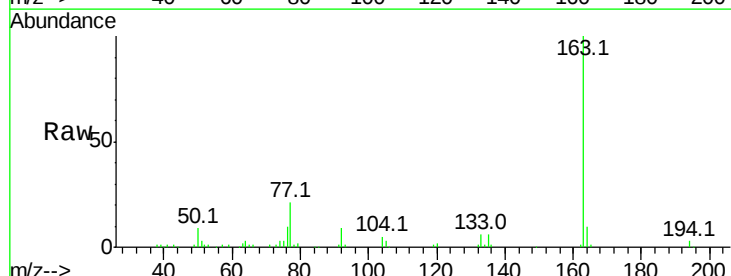
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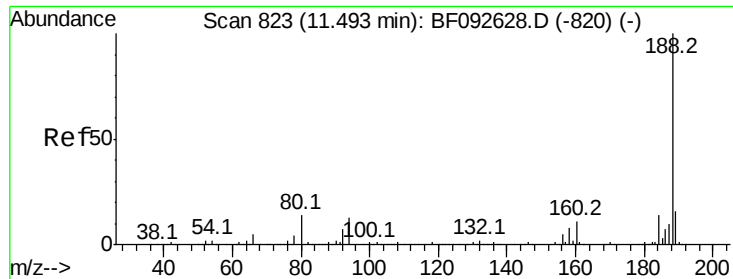
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#49
Dimethylphthalate
Concen: 6.39 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF093176.D
Acq: 25 Feb 2017 7:28

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.7	3.0	4.4#
164	9.8	8.0	12.0





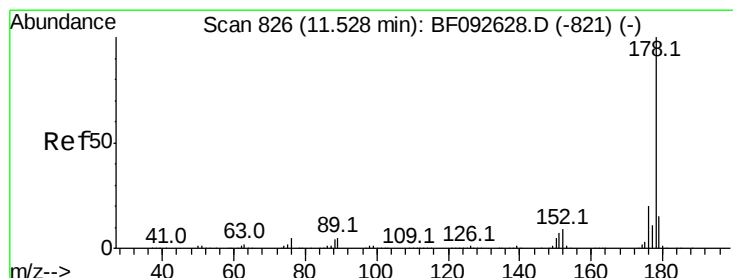
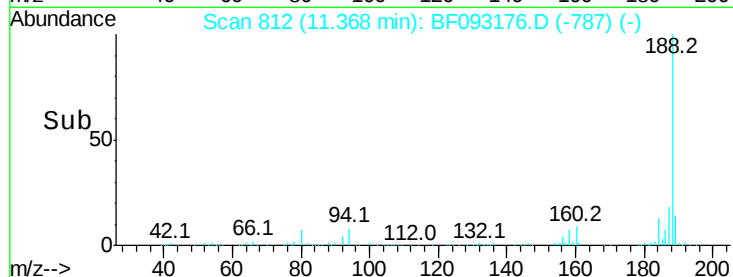
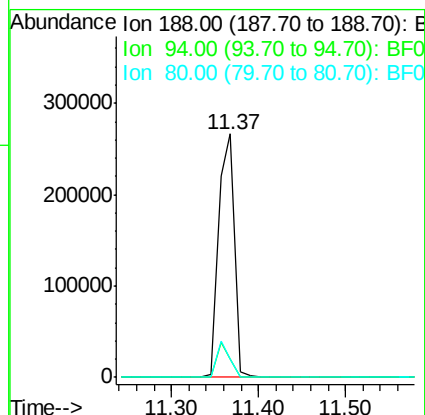
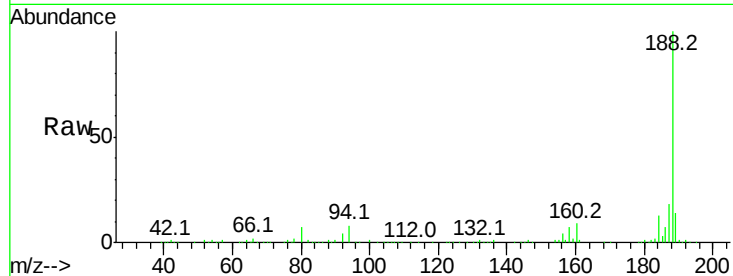
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF093176.D
Acq: 25 Feb 2017 7:28

Instrument :
BNA_F
ClientSampleId :
E2-Y5S-SW

Tot Ion	Ratio	Resp	Lower	Upper
188	100	343314		
94	7.5	10.0	15.0#	
80	7.5	11.2	16.8#	

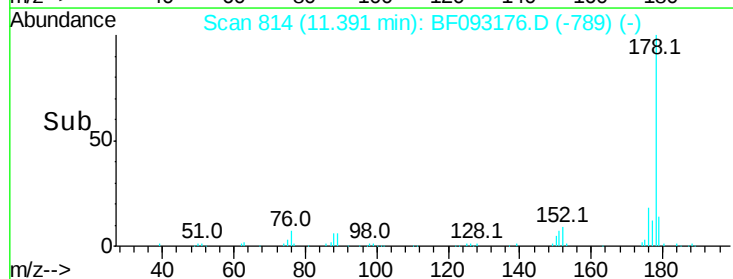
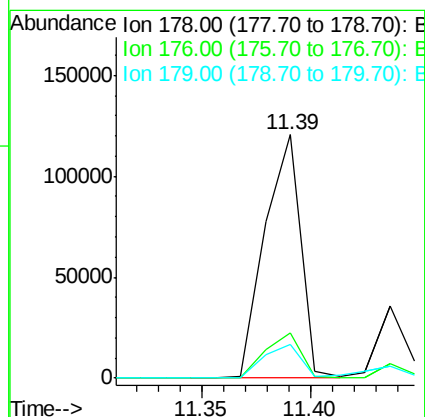
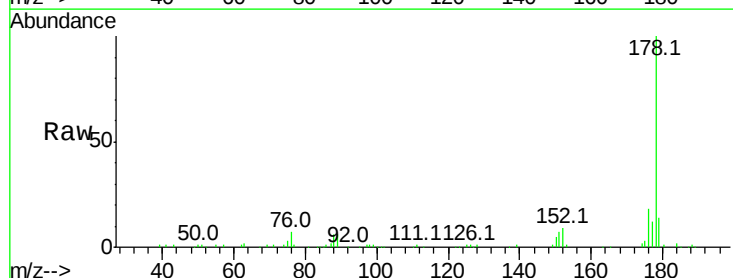
Manual Integrations
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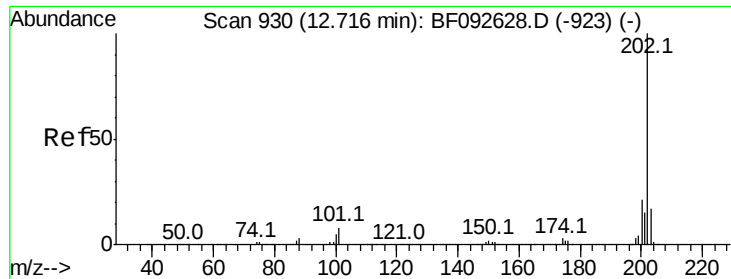
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#70
Phenanthrene
Concen: 7.11 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF093176.D
Acq: 25 Feb 2017 7:28

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	139887		
176	18.3	16.6	25.0	
179	14.0	12.8	19.2	





#74

Fluoranthene

Concen: 7.36 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF093176.D

Acq: 25 Feb 2017 7:28

Instrument :

BNA_F

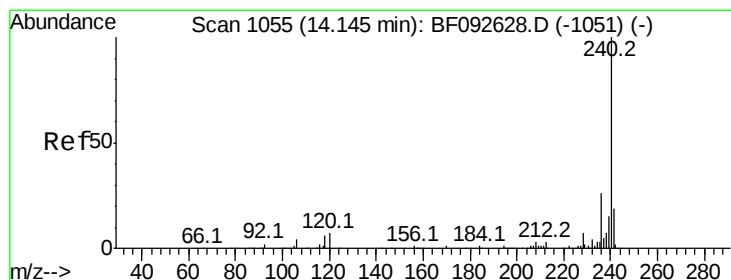
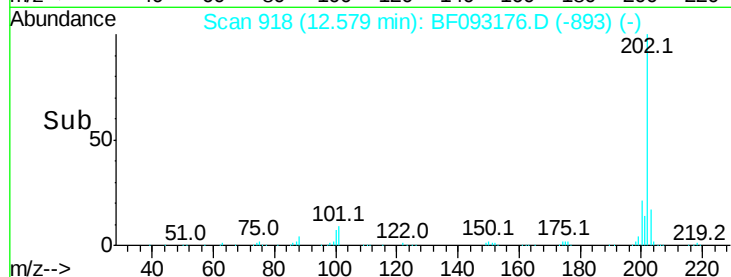
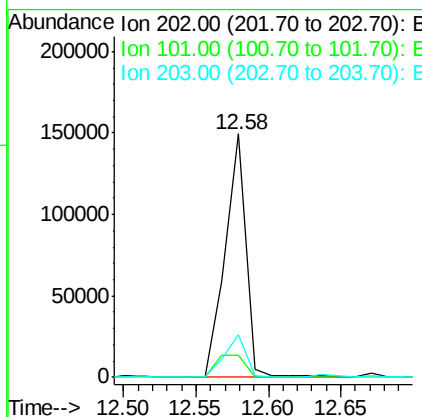
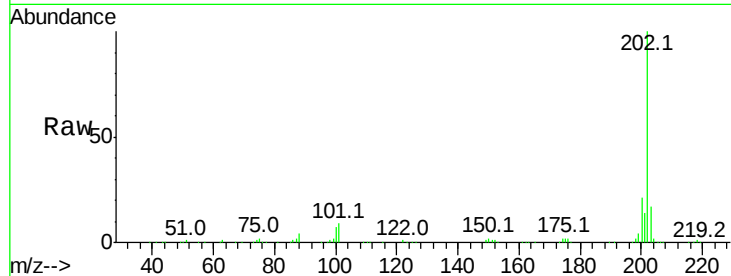
ClientSampleId :

E2-Y5S-SW

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		149324		
101	9.0	0.0	34.6		
203	17.4	0.0	38.7		

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#75

Chrysene-d12

Concen: 20.00 ng

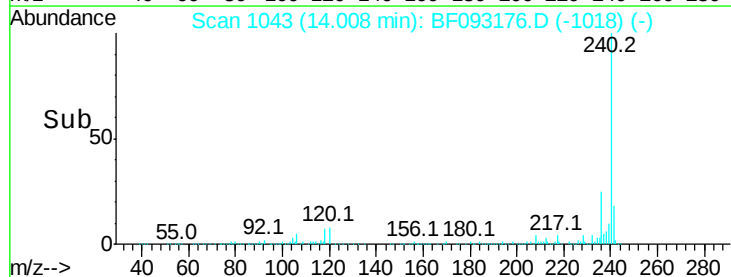
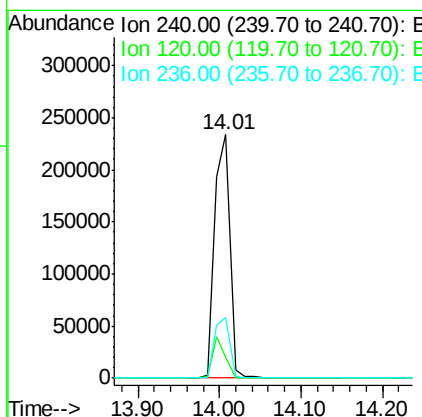
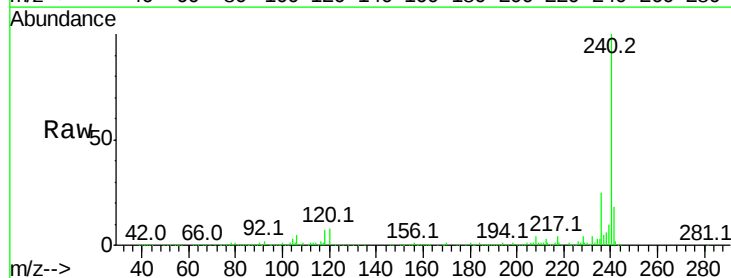
RT: 14.01 min Scan# 1043

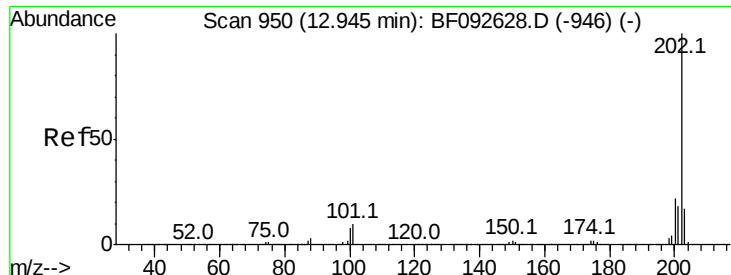
Delta R.T. -0.01 min

Lab File: BF093176.D

Acq: 25 Feb 2017 7:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		305165		
120	8.4	12.9	19.3#		
236	24.9	20.9	31.3		





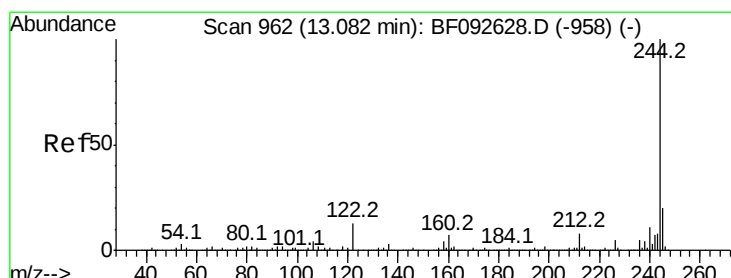
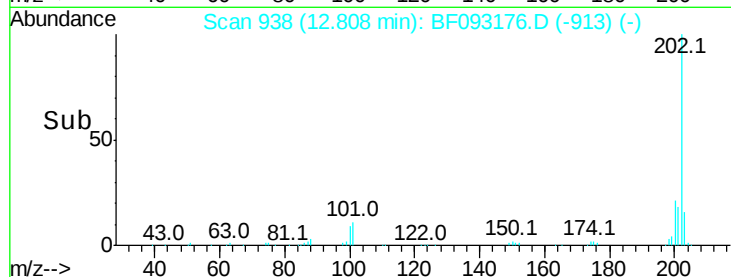
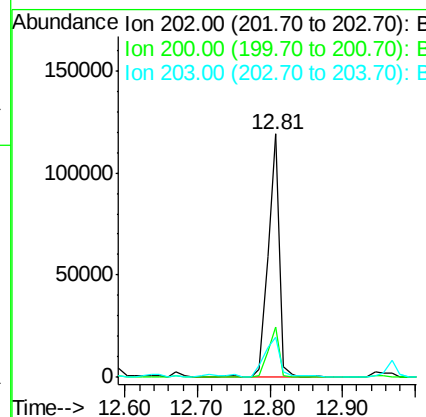
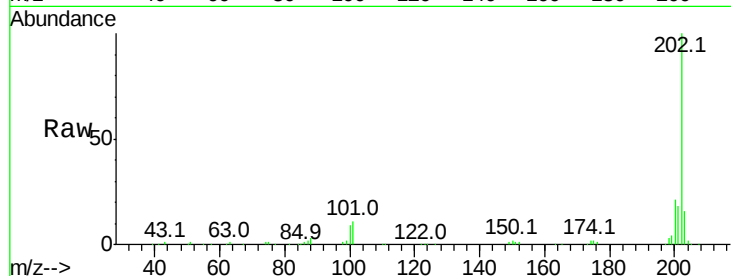
#77
 Pvrene
 Concen: 5.82 ng
 RT: 12.81 min Scan# 938
 Delta R.T. -0.01 min
 Lab File: BF093176.D
 Acq: 25 Feb 2017 7:28

Instrument :
 BNA_F
 ClientSampleId :
 E2-Y5S-SW

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.5	17.7	26.5	
203	16.3	14.7	22.1	

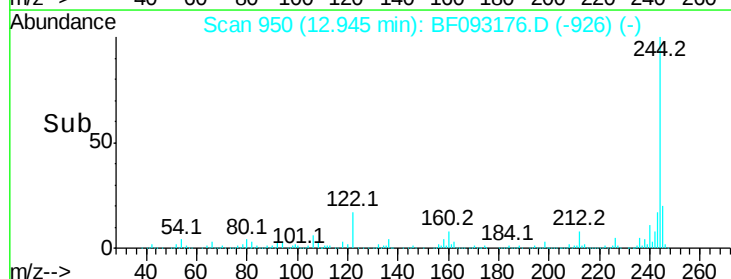
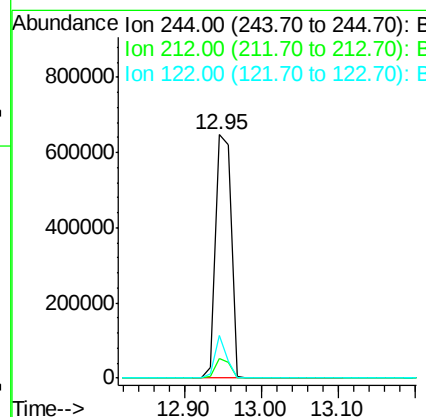
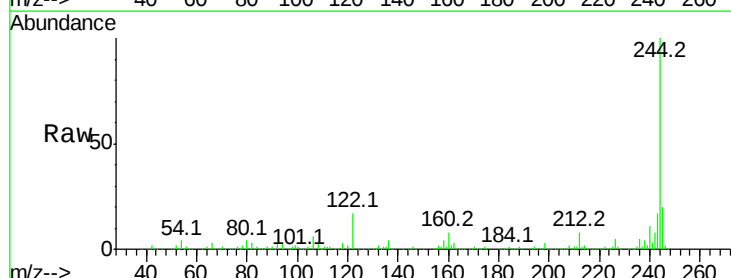
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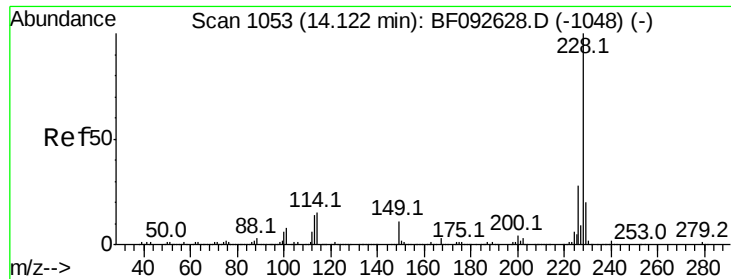
mohammad
 2/27/2017 1:08:13 PM



#78
 Terphenyl-d14
 Concen: 69.34 ng
 RT: 12.95 min Scan# 950
 Delta R.T. -0.02 min
 Lab File: BF093176.D
 Acq: 25 Feb 2017 7:28

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	8.0	6.2	9.2	
122	17.3	11.4	17.2#	





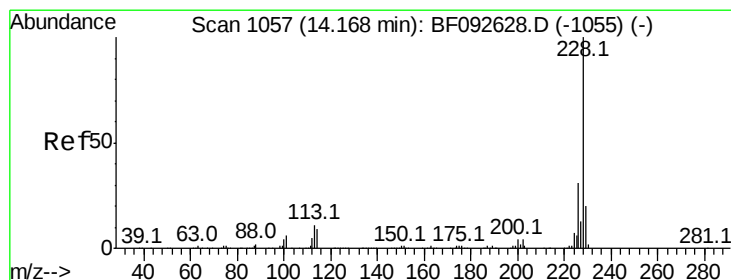
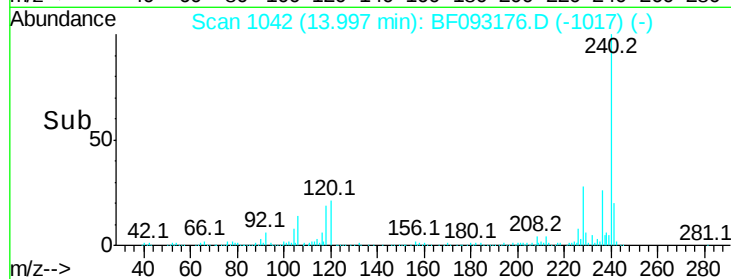
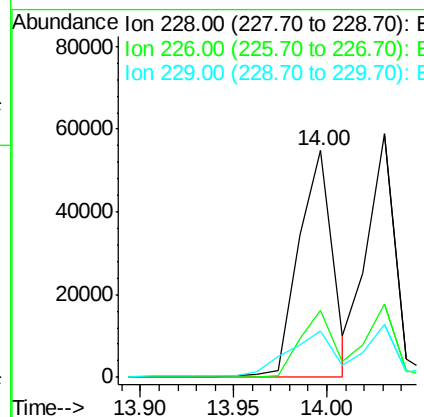
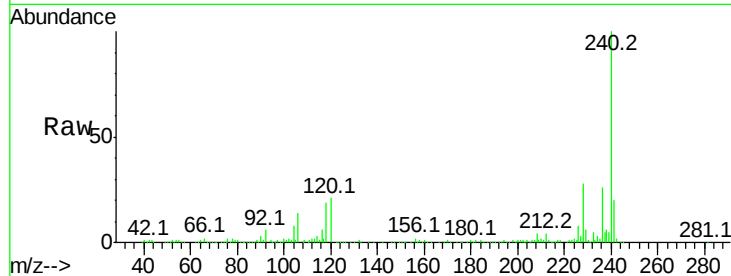
#80
Benzo(a)anthracene
Concen: 3.75 ng
RT: 14.00 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF093176.D
Acq: 25 Feb 2017 7:28

Instrument :
BNA_F
ClientSampleId :
E2-Y5S-SW

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.4	33.6
229	20.6	16.2	24.4

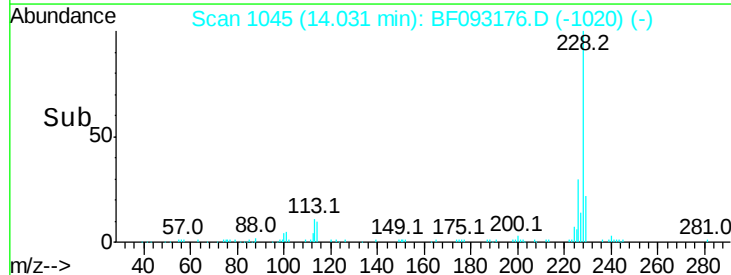
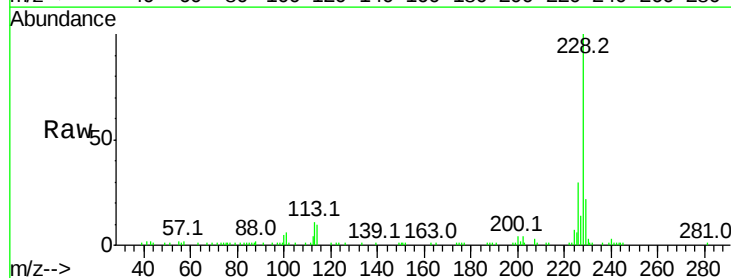
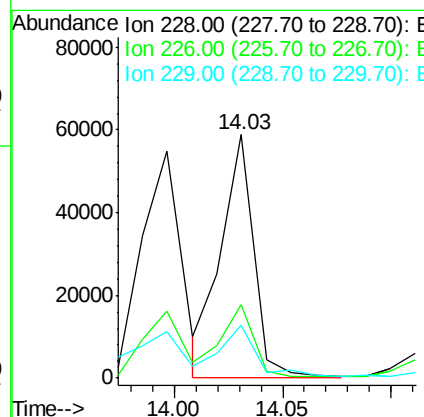
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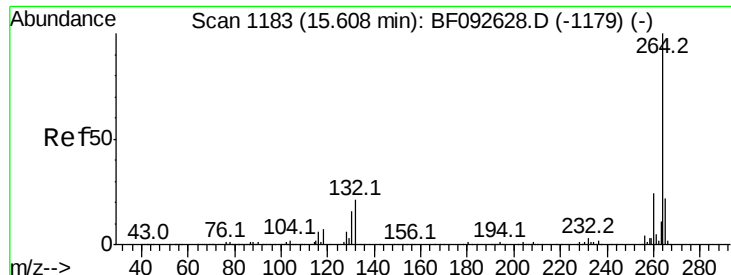
mohammad
2/27/2017 1:08:13 PM



#82
Chrysene
Concen: 3.57 ng m
RT: 14.03 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF093176.D
Acq: 25 Feb 2017 7:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.4	38.0
229	21.6	16.2	24.2





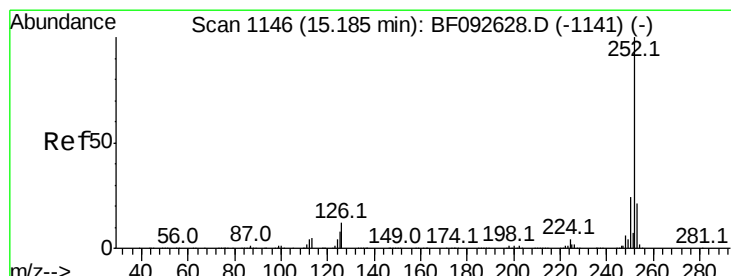
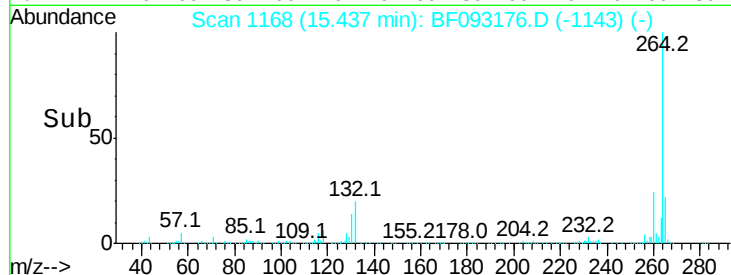
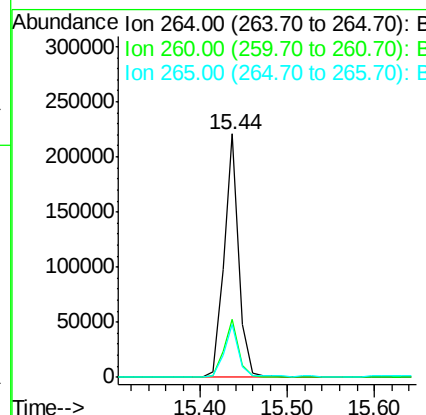
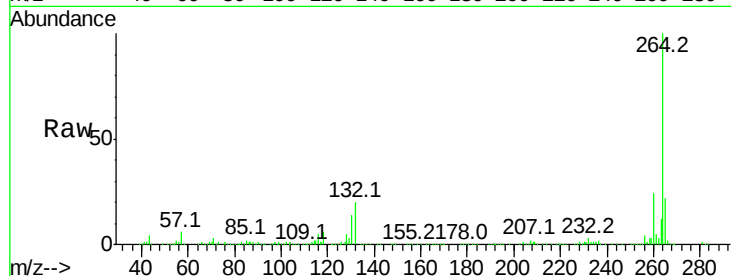
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.01 min
Lab File: BF093176.D
Acq: 25 Feb 2017 7:28

Instrument :
BNA_F
ClientSampleId :
E2-Y5S-SW

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.6	17.4	26.0

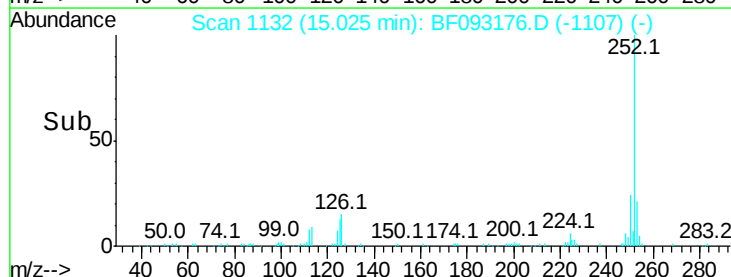
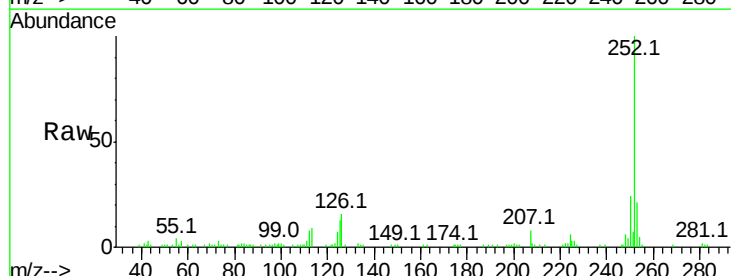
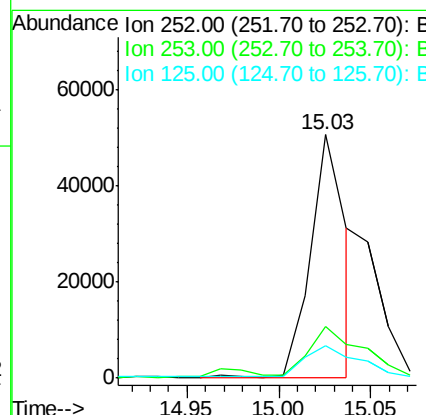
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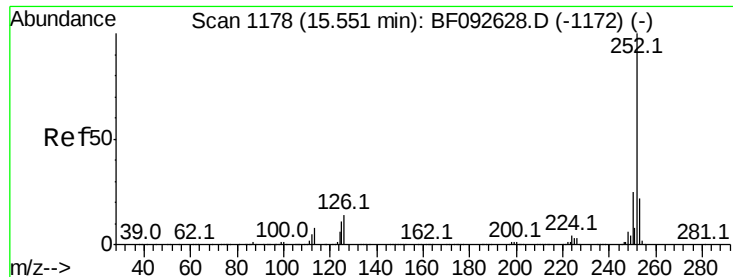
mohammad
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#87
Benzo(b)fluoranthene
Concen: 3.99 ng m
RT: 15.03 min Scan# 1132
Delta R.T. -0.01 min
Lab File: BF093176.D
Acq: 25 Feb 2017 7:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.2	27.4
125	13.1	9.8	14.6





#89

Benzo(a)pyrene

Concen: 3.43 ng

RT: 15.38 min Scan# 1163

Delta R.T. -0.01 min

Lab File: BF093176.D

Acq: 25 Feb 2017 7:28

Instrument :

BNA_F

ClientSampleId :

E2-Y5S-SW

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	25.6	18.2	27.2
125	9.8	10.0	15.0

Manual Integrations
APPROVED

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