

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
 Data File : BF093026.D
 Acq On : 17 Feb 2017 22:26
 Operator : SJ/MA
 Sample : I1884-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PIT-A-COMP

Manual Integrations
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mohammad
 2/20/2017 1:00:11 PM

Quant Time: Feb 18 00:11:32 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	6.85	152	155640	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	596942	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	263031	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	408789	20.00	ng	0.00
75) Chrysene-d12	14.01	240	302379	20.00	ng	-0.01
86) Perylene-d12	15.45	264	262669	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	592154	65.27	ng	0.00
7) Phenol-d6	6.50	99	837614	71.76	ng	0.01
23) Nitrobenzene-d5	7.42	82	496710	46.34	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	120667	63.43	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	791467	54.51	ng	0.00
78) Terphenyl-d14	12.96	244	451197	35.06	ng	-0.01
Target Compounds						
10) Phenol	6.51	94	63012	4.61	ng	Qvalue # 69
49) Dimethylphthalate	9.61	163	105379	5.95	ng	98
70) Phenanthrene	11.40	178	119100	5.09	ng	97
74) Fluoranthene	12.59	202	243940	10.10	ng	95
77) Pyrene	12.82	202	237290	10.49	ng	97
80) Benzo(a)anthracene	14.01	228	131740	7.12	ng	94
82) Chrysene	14.04	228	109458m	6.32	ng	
85) Indeno(1,2,3-cd)pyrene	16.85	276	53472	3.99	ng	95
87) Benzo(b)fluoranthene	15.04	252	142455m	8.24	ng	
88) Benzo(k)fluoranthene	15.05	252	58833m	3.94	ng	
89) Benzo(a)pyrene	15.39	252	102424	6.85	ng	# 96
91) Benzo(g,h,i)perylene	17.29	276	57908	4.74	ng	# 88

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

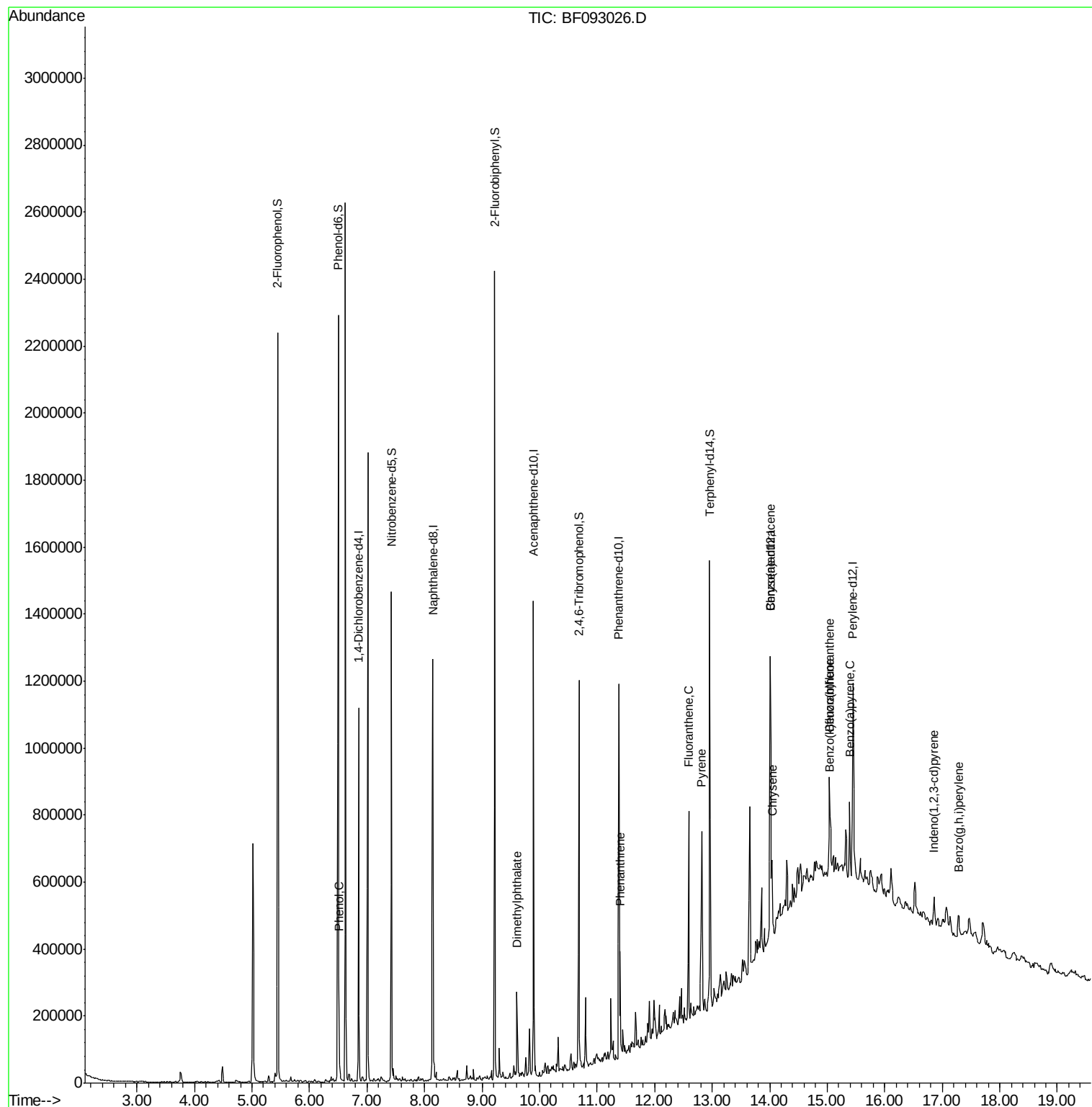
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021717\
Data File : BF093026.D
Acq On : 17 Feb 2017 22:26
Operator : SJ/MA
Sample : I1884-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

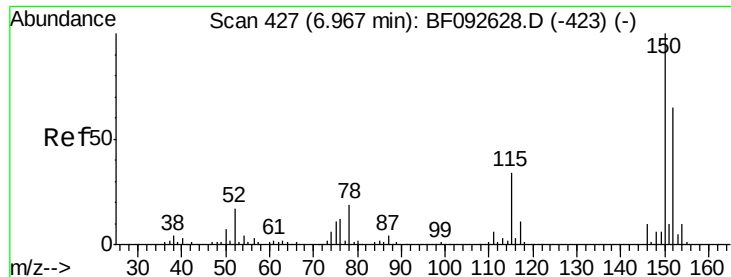
Instrument :
BNA_F
ClientSampleId :
PIT-A-COMP

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Quant Time: Feb 18 00:11:32 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

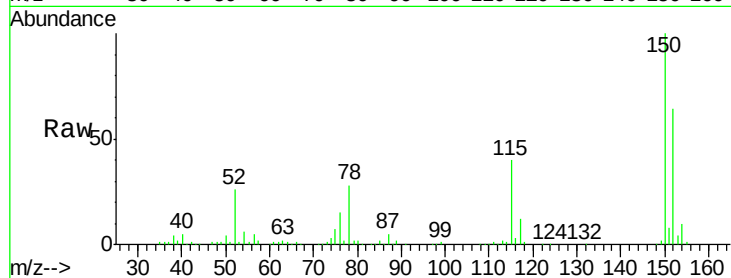
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.00 min
Lab File: BF093026.D
Acq: 17 Feb 2017 22:26

Instrument :
BNA_F
ClientSampleId :
PIT-A-COMP

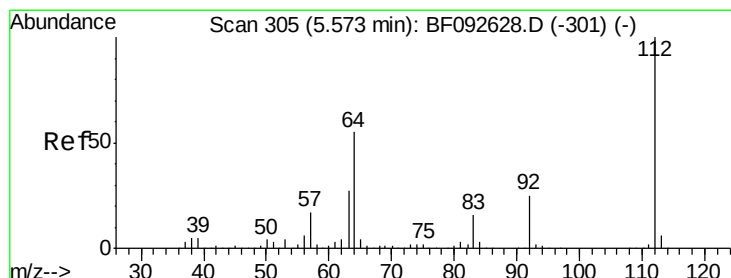
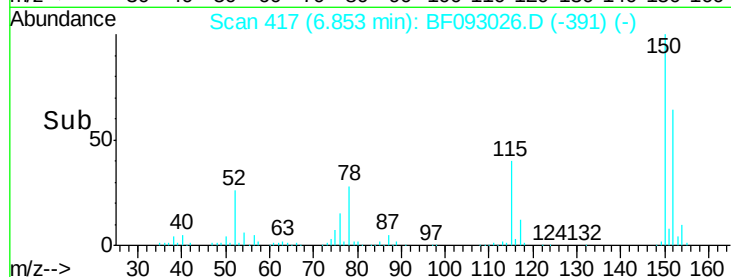
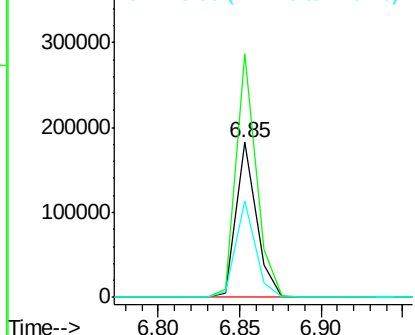
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	155640		
150	157.4	124.9	187.3	
115	62.6	46.0	69.0	

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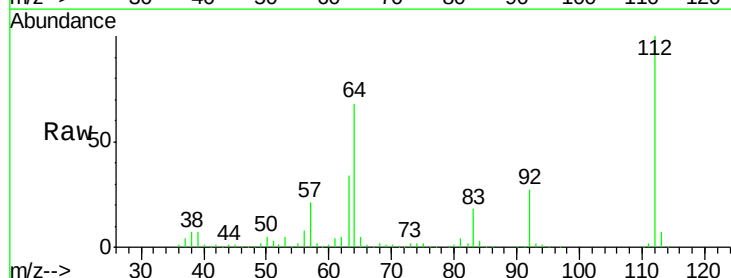
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



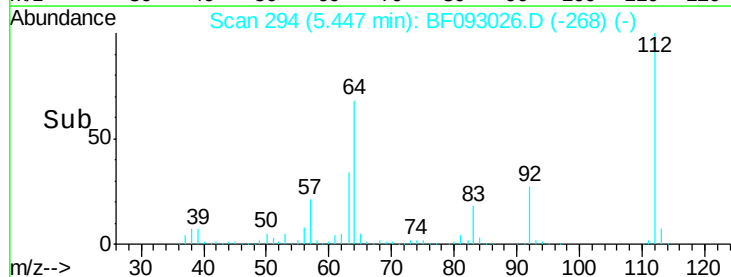
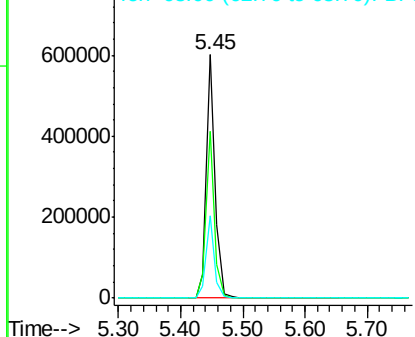
#5

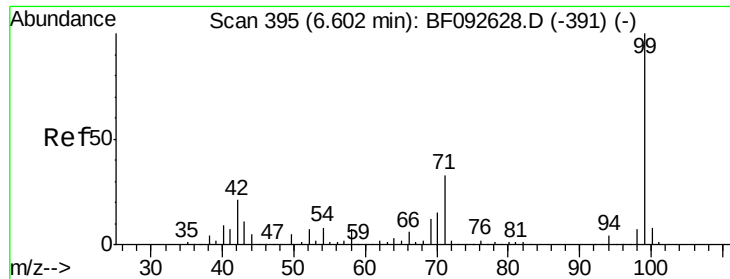
2-Fluorophenol
Concen: 65.27 ng
RT: 5.45 min Scan# 294
Delta R.T. -0.00 min
Lab File: BF093026.D
Acq: 17 Feb 2017 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	592154		
64	68.5	46.1	69.1	
63	33.9	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: 71.76 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.01 min

Lab File: BF093026.D

Acq: 17 Feb 2017 22:26

Instrument :

BNA_F

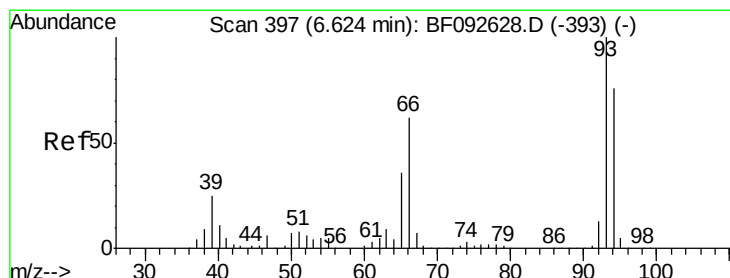
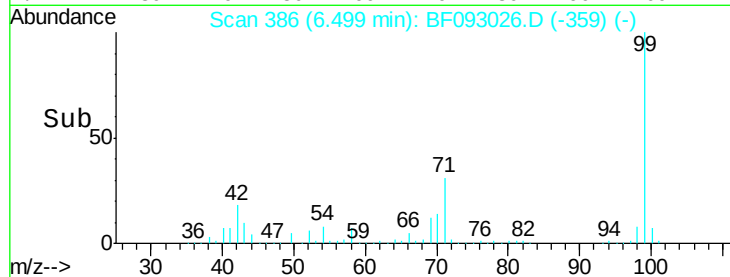
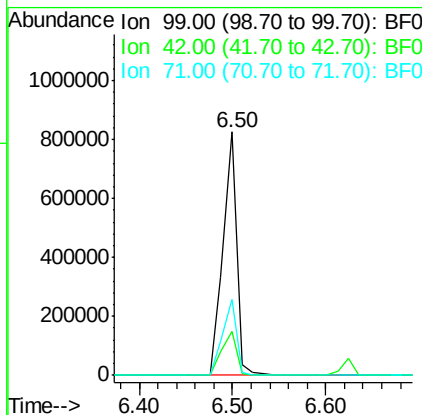
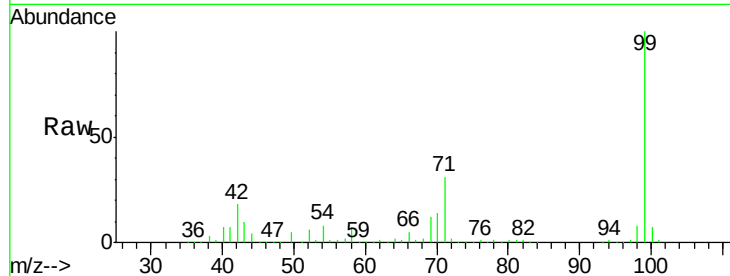
ClientSampled :

PIT-A-COMP

Tgt Ion:	99	Resp:	837614
Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.6	23.4
71	31.0	27.5	41.3

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#10

Phenol

Concen: 4.61 ng

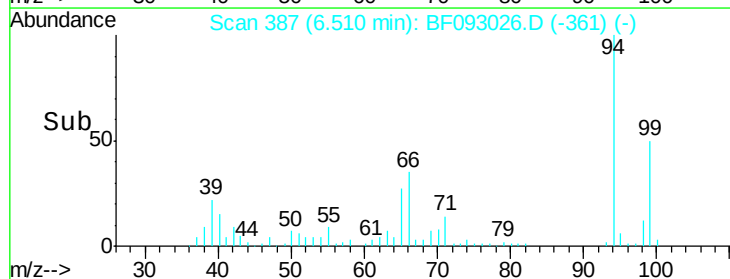
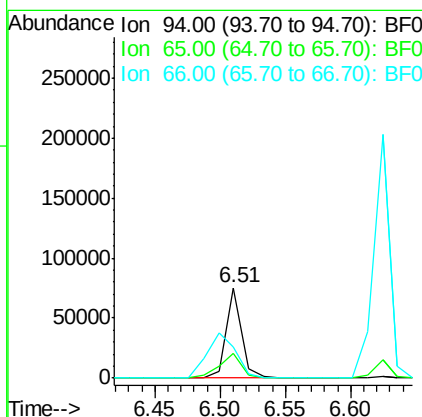
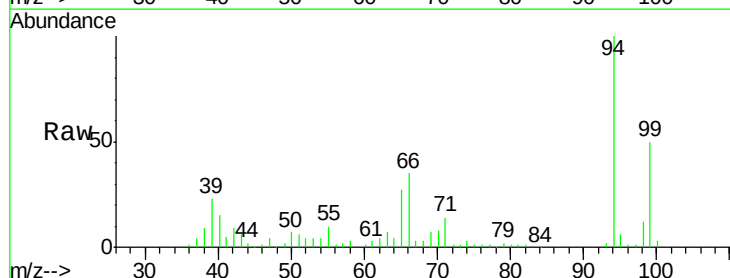
RT: 6.51 min Scan# 387

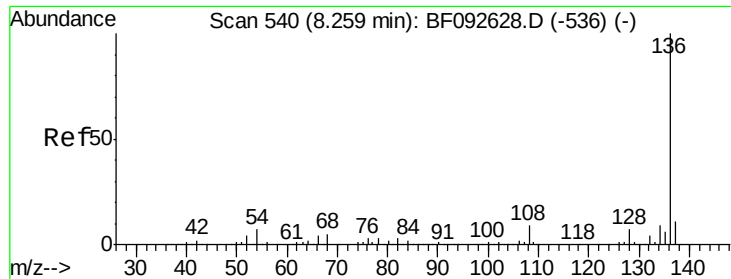
Delta R.T. 0.00 min

Lab File: BF093026.D

Acq: 17 Feb 2017 22:26

Tgt Ion:	94	Resp:	63012
Ion	Ratio	Lower	Upper
94	100		
65	27.3	21.4	61.4
66	34.9	44.0	84.0#





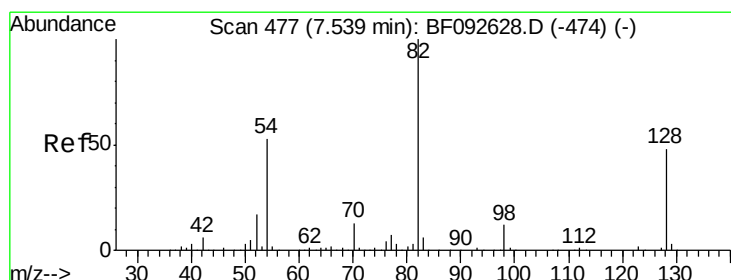
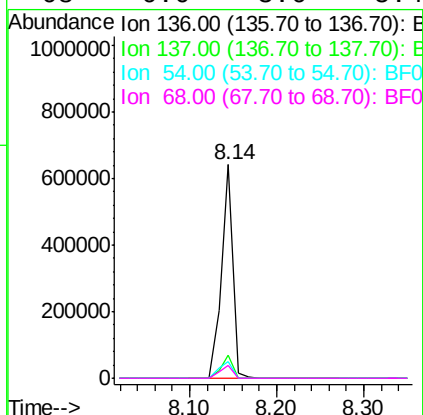
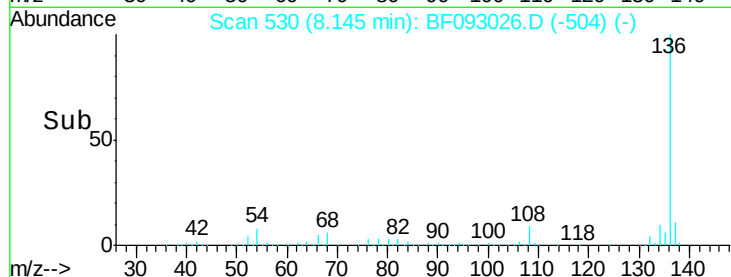
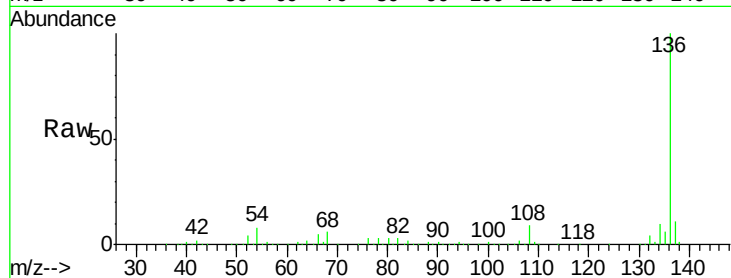
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. 0.00 min
Lab File: BF093026.D
Acq: 17 Feb 2017 22:26

Instrument :
BNA_F
ClientSampleId :
PIT-A-COMP

Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	8.4	12.6
54	8.0	4.5	6.7#
68	6.0	3.6	5.4#

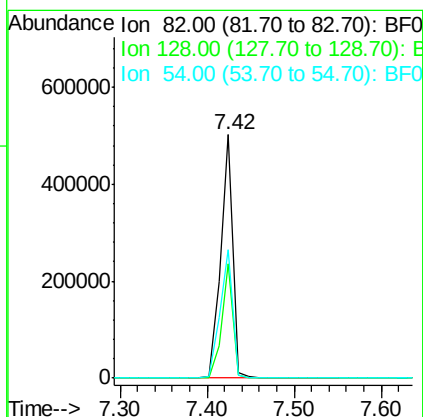
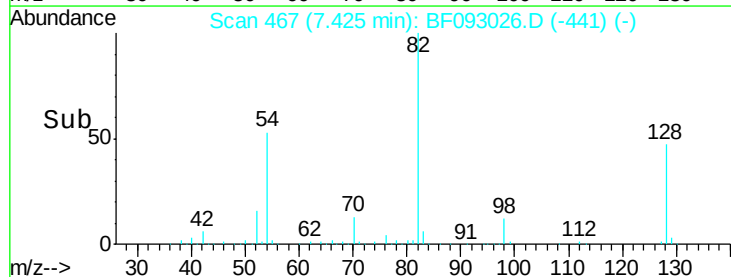
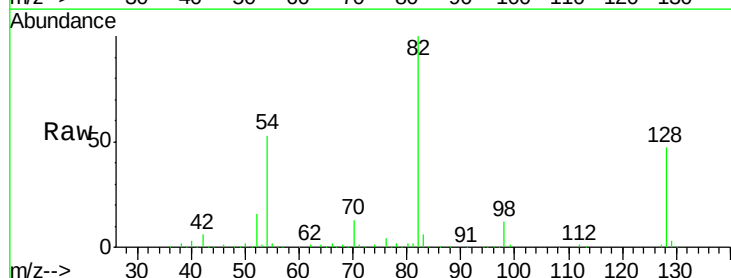
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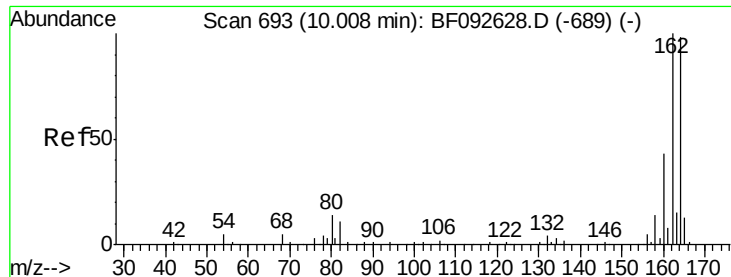
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#23
Nitrobenzene-d5
Concen: 46.34 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.00 min
Lab File: BF093026.D
Acq: 17 Feb 2017 22:26

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	46.8	34.6	52.0
54	52.9	39.5	59.3





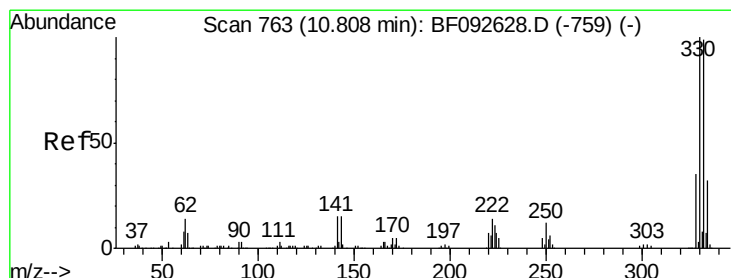
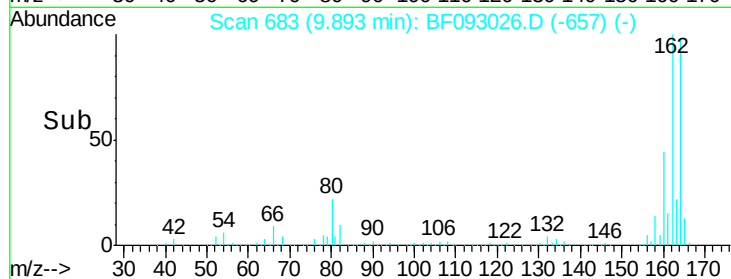
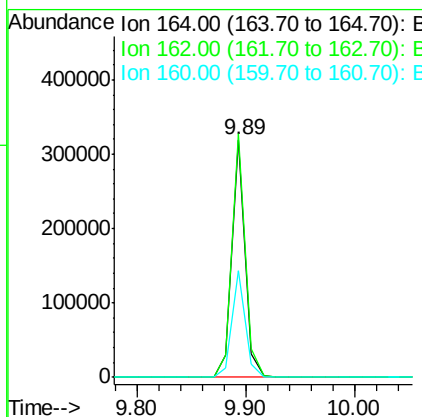
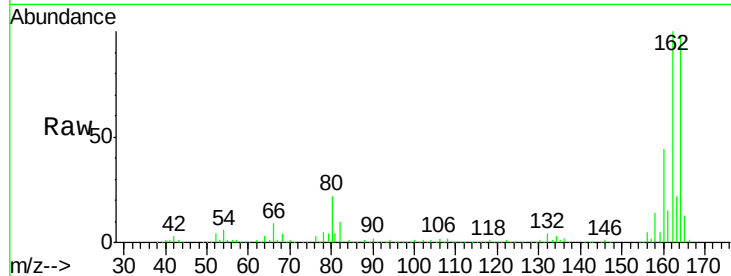
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.00 min
Lab File: BF093026.D
Acq: 17 Feb 2017 22:26

Instrument :
BNA_F
ClientSampleId :
PIT-A-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	263031		
162	102.4	80.2	120.2	
160	44.7	36.9	55.3	

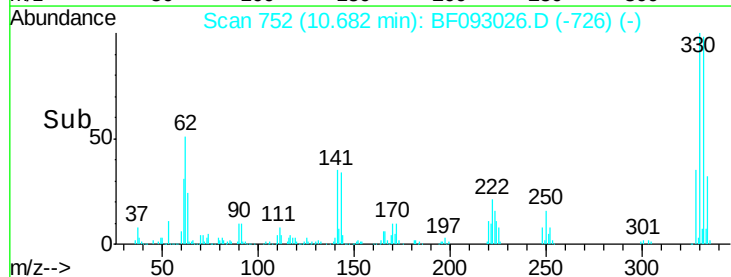
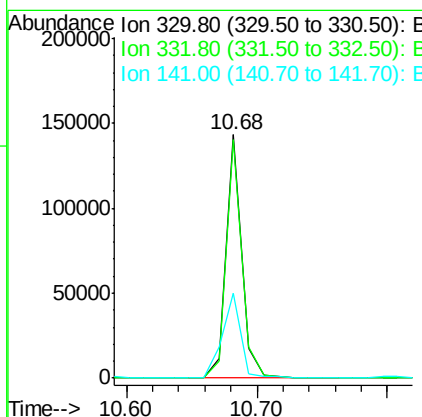
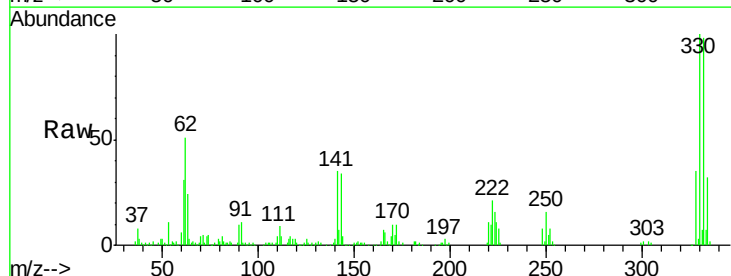
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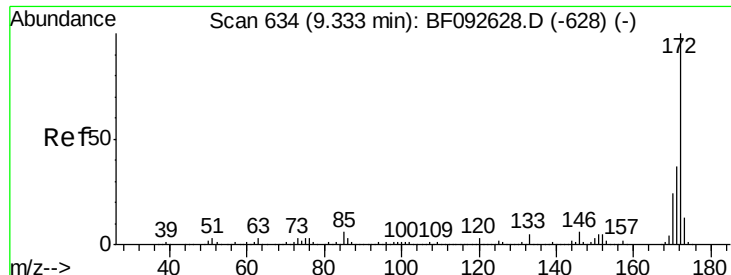
mohammad
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#41
2,4,6-Tribromophenol
Concen: 63.43 ng
RT: 10.68 min Scan# 752
Delta R.T. -0.00 min
Lab File: BF093026.D
Acq: 17 Feb 2017 22:26

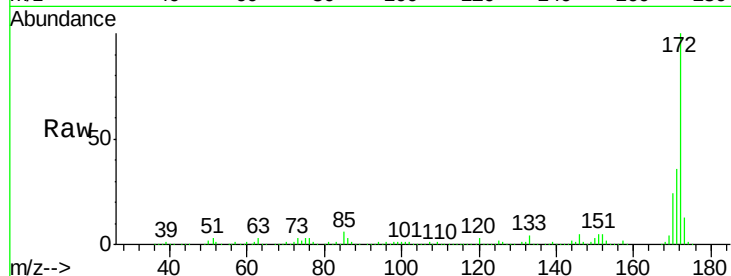
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	120667		
332	98.0	77.4	116.2	
141	42.6	34.1	51.1	





#44
2-Fluorobiphenyl
Concen: 54.51 ng
RT: 9.22 min Scan# 624
Delta R.T. -0.00 min
Lab File: BF093026.D
Acq: 17 Feb 2017 22:26

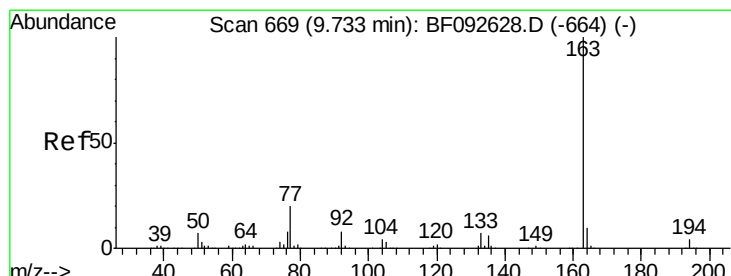
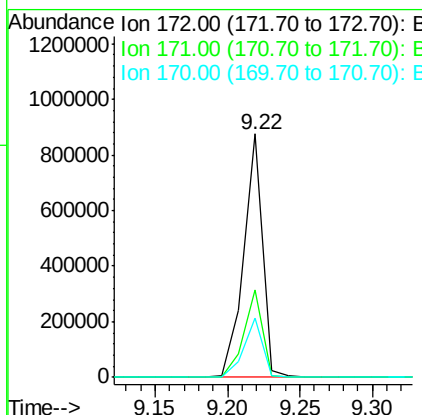
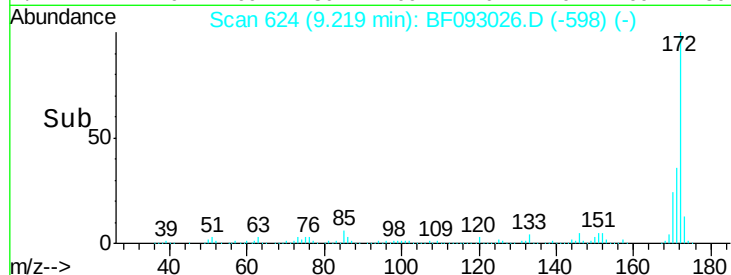
Instrument :
BNA_F
ClientSampleId :
PIT-A-COMP



Tgt Ion	Ratio	Resp	Lower	Upper
172	100	791467		
171	35.7	29.4	44.0	
170	24.4	20.2	30.4	

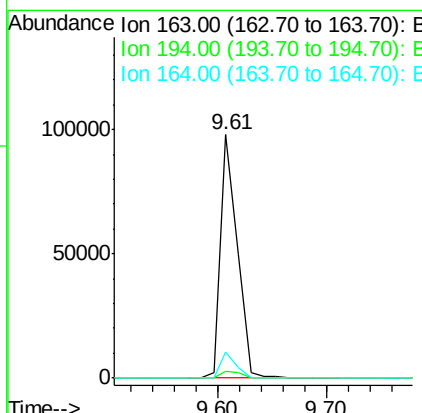
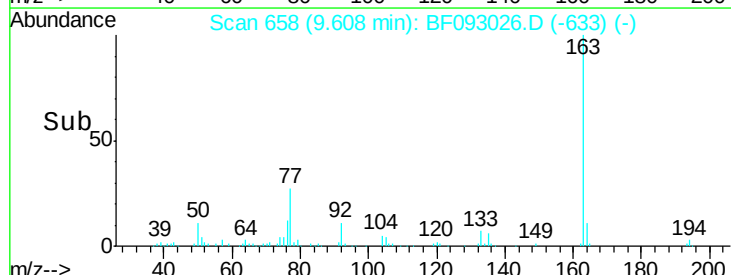
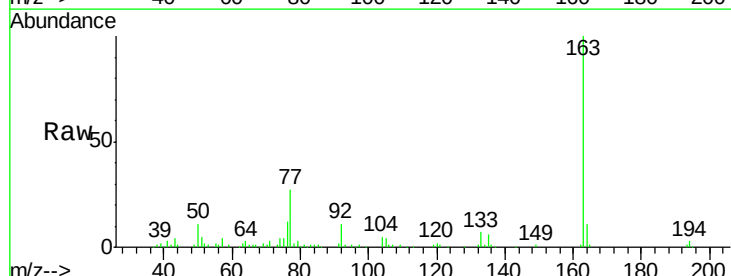
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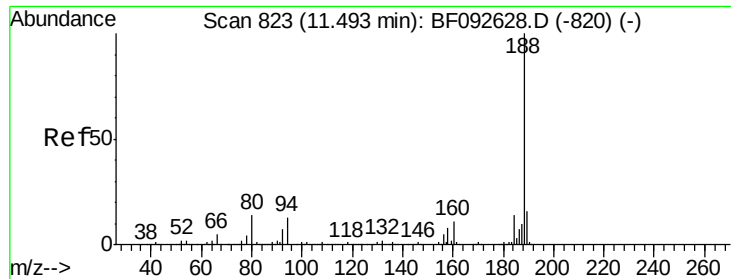
mohammad
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#49
Dimethylphthalate
Concen: 5.95 ng
RT: 9.61 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF093026.D
Acq: 17 Feb 2017 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	105379		
194	3.0	3.0	4.4	
164	10.7	8.0	12.0	





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF093026.D

Acq: 17 Feb 2017 22:26

Instrument :

BNA_F

ClientSampleId :

PIT-A-COMP

Tgt Ion:188 Resp: 408789
Ion Ratio Lower Upper

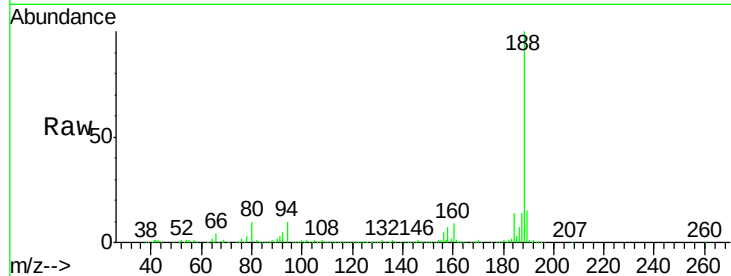
188 100

94 9.6 10.0 15.0#

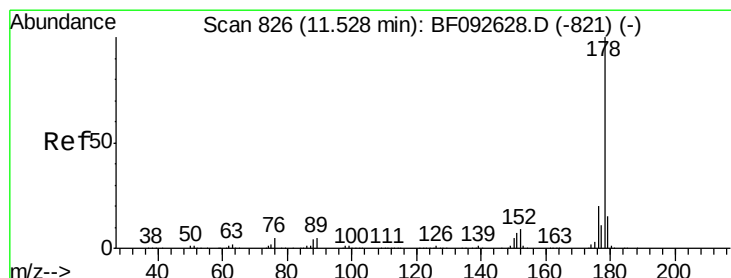
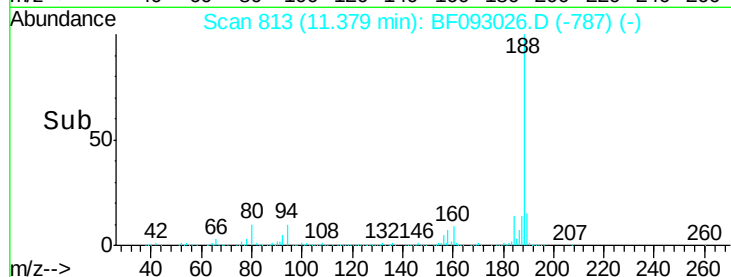
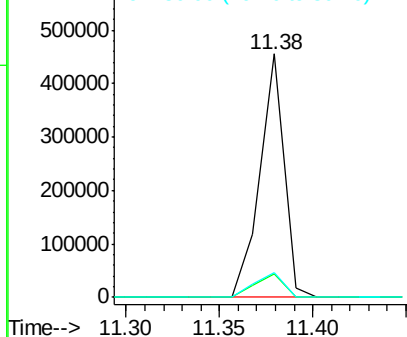
80 10.3 11.2 16.8#

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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



#70

Phenanthrene

Concen: 5.09 ng

RT: 11.40 min Scan# 815

Delta R.T. 0.00 min

Lab File: BF093026.D

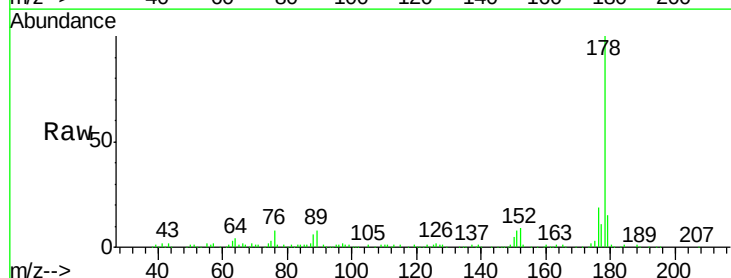
Acq: 17 Feb 2017 22:26

Tgt Ion:178 Resp: 119100
Ion Ratio Lower Upper

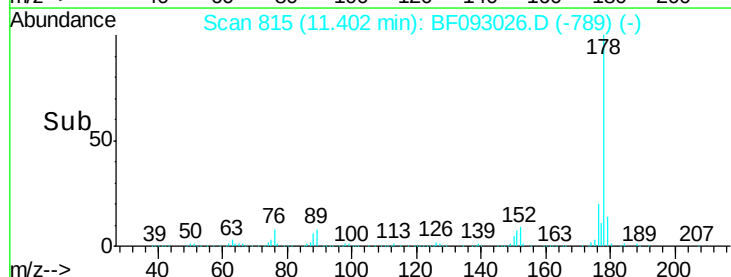
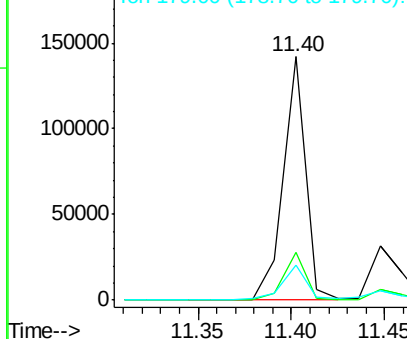
178 100

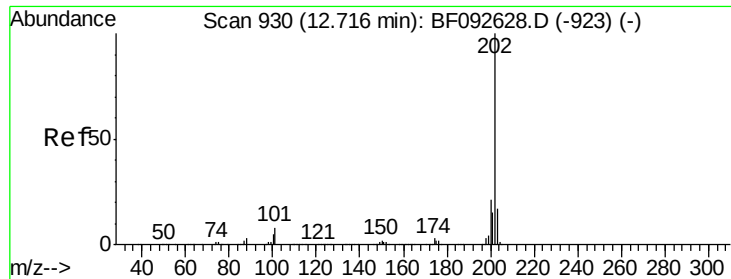
176 19.5 16.6 25.0

179 14.5 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





#74

Fluoranthene

Concen: 10.10 ng

RT: 12.59 min Scan# 919

Delta R.T. 0.00 min

Lab File: BF093026.D

Acq: 17 Feb 2017 22:26

Instrument :

BNA_F

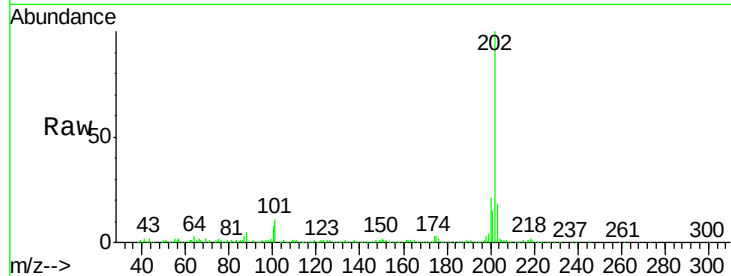
ClientSampleId :

PIT-A-COMP

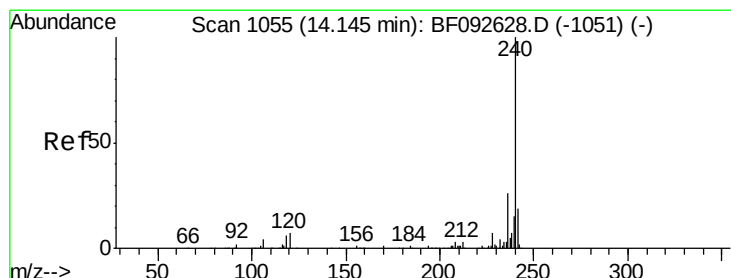
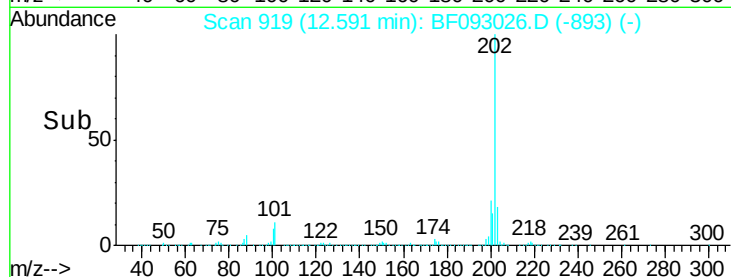
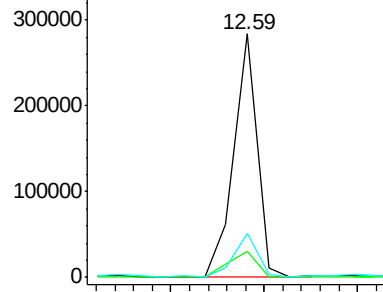
Tgt	Ion	202	Resp:	243940
Ion	Ratio	Lower	Upper	
202	100			
101	10.7	0.0	34.6	
203	18.2	0.0	38.7	

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

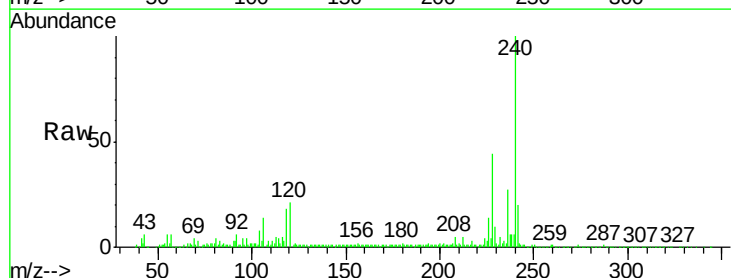
RT: 14.01 min Scan# 1043

Delta R.T. -0.01 min

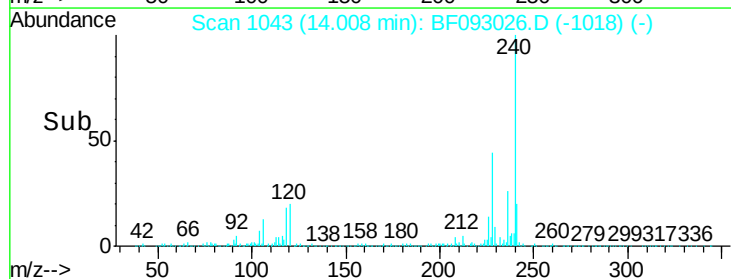
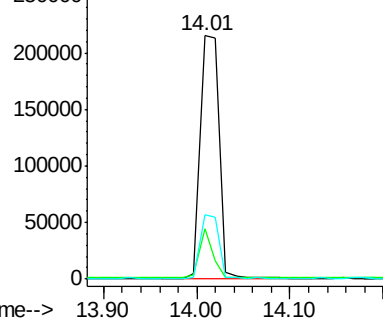
Lab File: BF093026.D

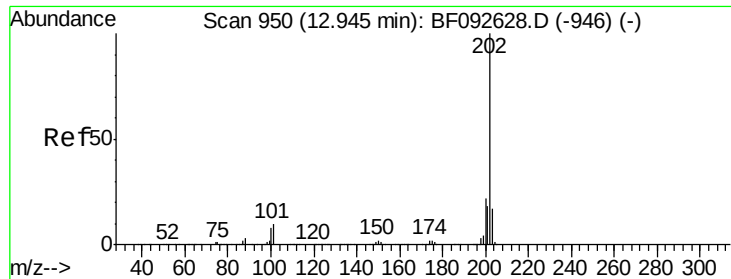
Acq: 17 Feb 2017 22:26

Tgt	Ion	240	Resp:	302379
Ion	Ratio	Lower	Upper	
240	100			
120	20.6	12.9	19.3#	
236	26.6	20.9	31.3	



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





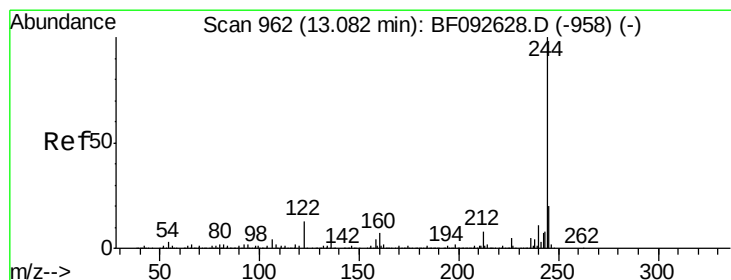
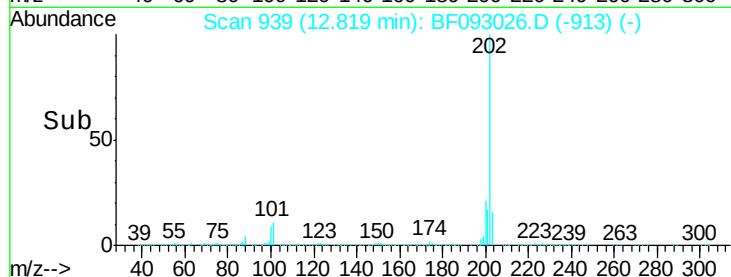
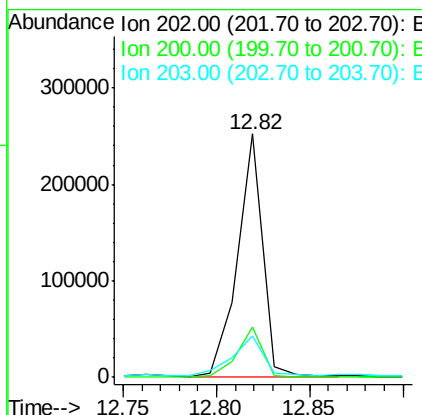
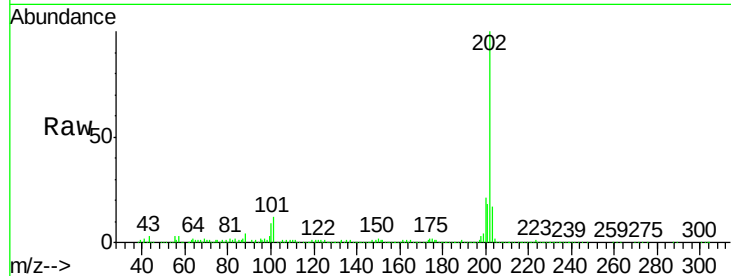
#77
 Pyrene
 Concen: 10.49 ng
 RT: 12.82 min Scan# 939
 Delta R.T. 0.00 min
 Lab File: BF093026.D
 Acq: 17 Feb 2017 22:26

Instrument :
 BNA_F
 ClientSampleId :
 PIT-A-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	237290		
200	20.9		17.7	26.5
203	17.1		14.7	22.1

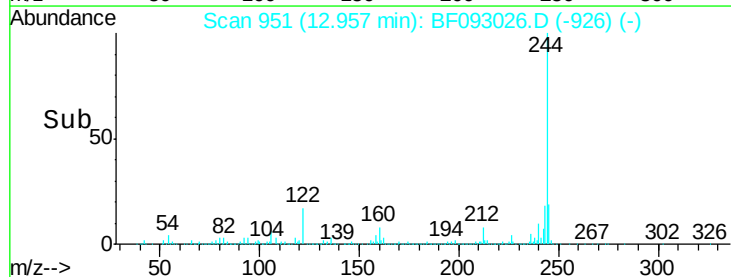
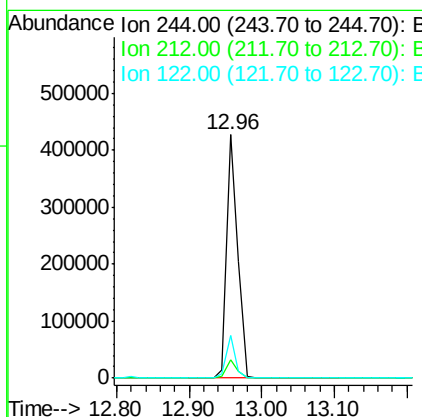
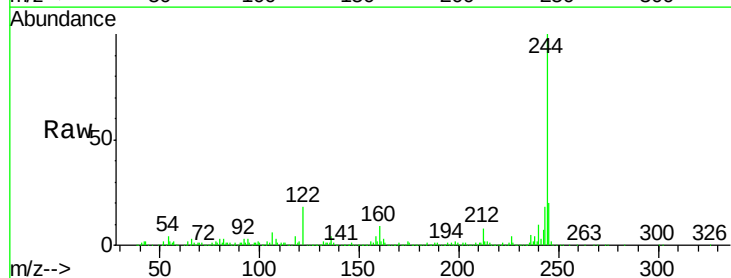
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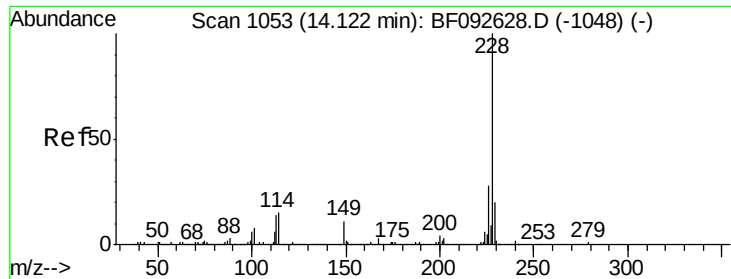
mohammad
 2/20/2017 1:00:11 PM



#78
 Terphenyl-d14
 Concen: 35.06 ng
 RT: 12.96 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF093026.D
 Acq: 17 Feb 2017 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	451197		
212	7.6		6.2	9.2
122	17.6		11.4	17.2#





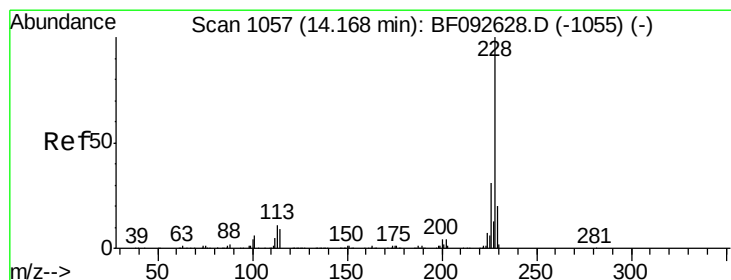
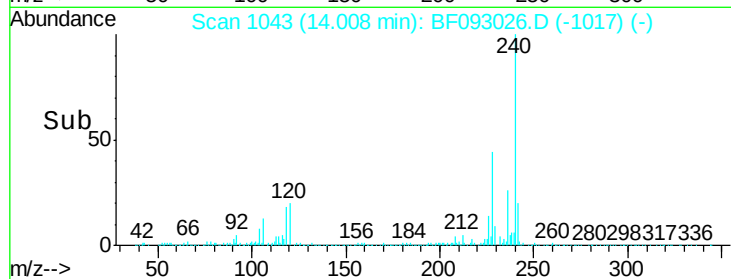
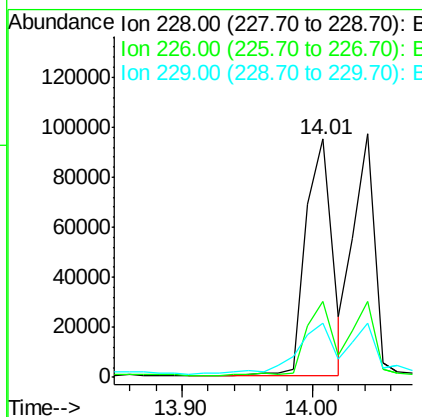
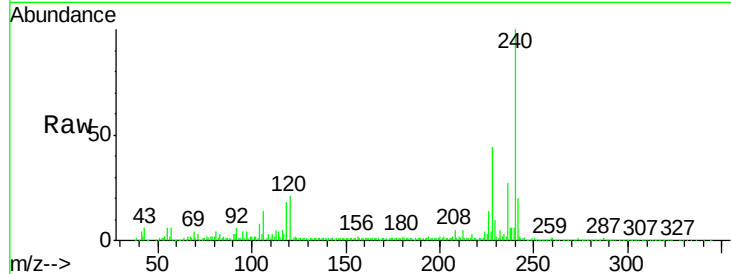
#80
Benzo(a)anthracene
Concen: 7.12 ng
RT: 14.01 min Scan# 1043
Delta R.T. 0.00 min
Lab File: BF093026.D
Acq: 17 Feb 2017 22:26

Instrument :
BNA_F
ClientSampleId :
PIT-A-COMP

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.4	33.6
229	22.5	16.2	24.4

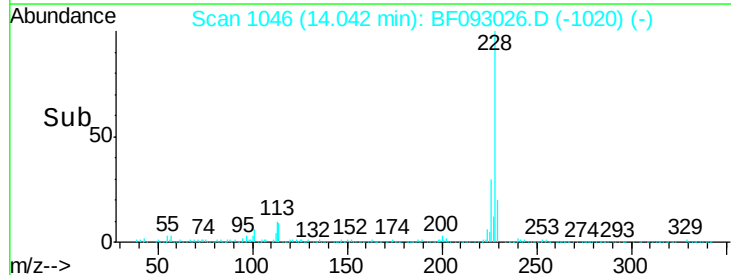
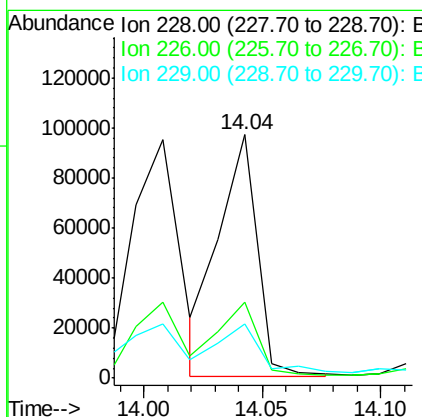
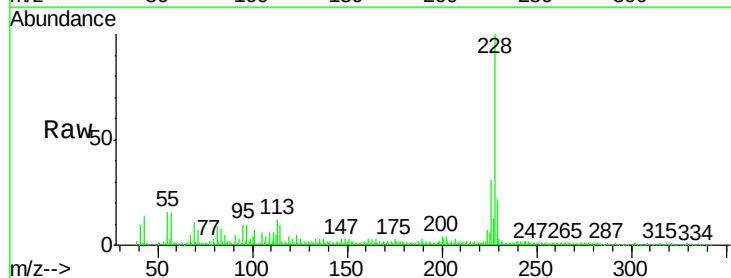
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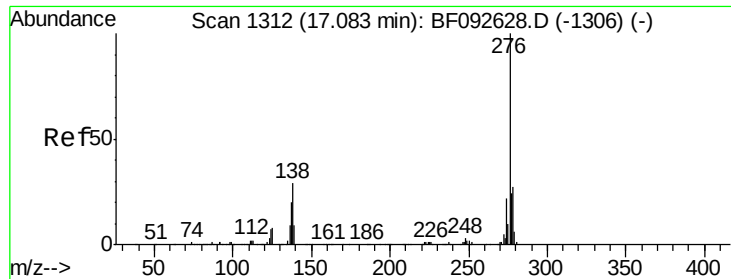
mohammad
2/20/2017 1:00:11 PM



#82
Chrysene
Concen: 6.32 ng m
RT: 14.04 min Scan# 1046
Delta R.T. -0.00 min
Lab File: BF093026.D
Acq: 17 Feb 2017 22:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.4	38.0
229	22.1	16.2	24.2





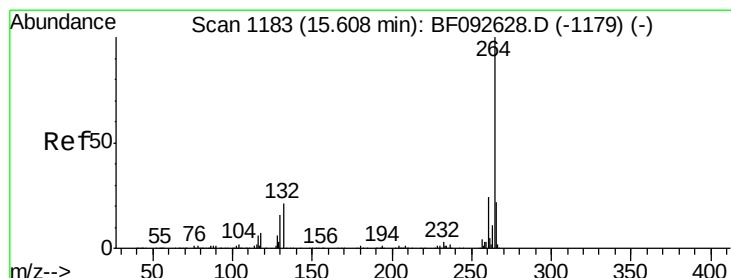
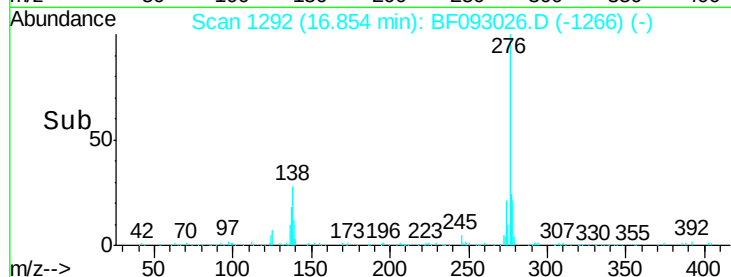
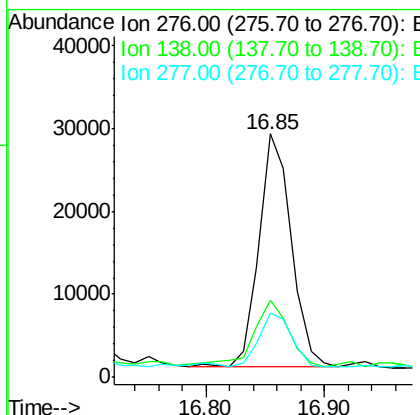
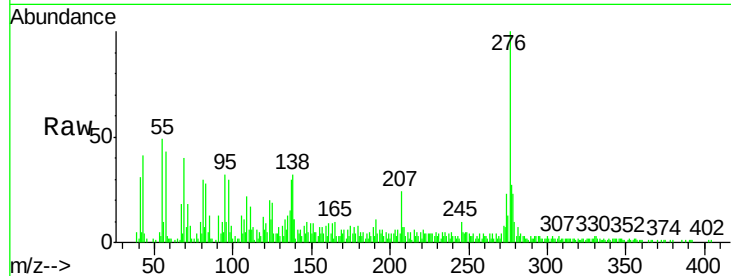
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.99 ng
 RT: 16.85 min Scan# 1292
 Delta R.T. 0.00 min
 Lab File: BF093026.D
 Acq: 17 Feb 2017 22:26

Instrument :
 BNA_F
 ClientSampleId :
 PIT-A-COMP

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.3	21.8	32.6
277	24.4	20.2	30.4

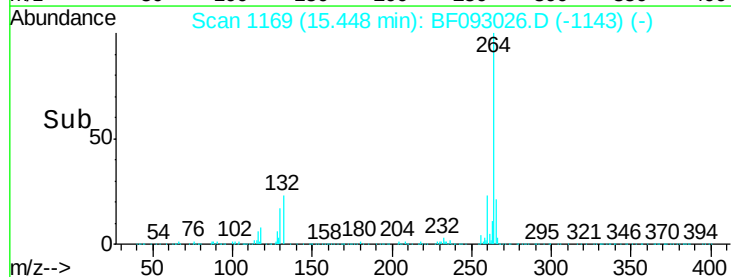
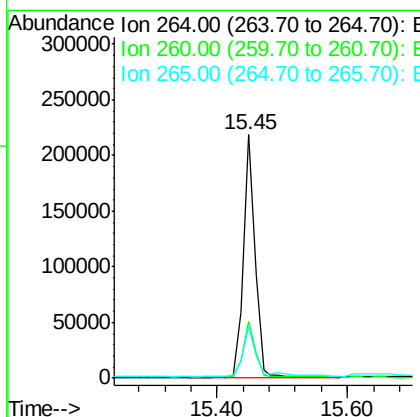
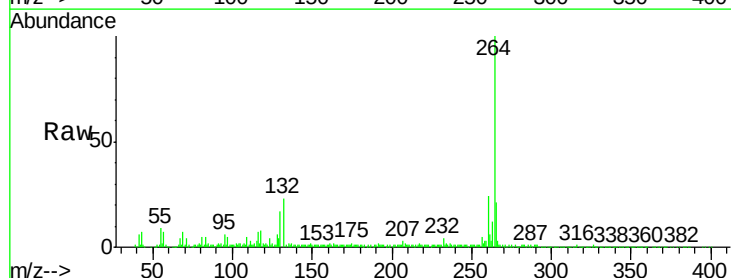
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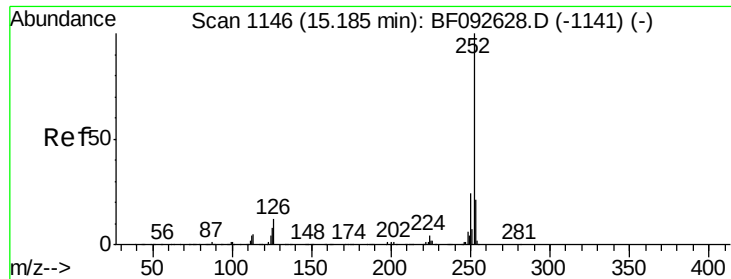
mohammad
 2/20/2017 1:00:11 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.45 min Scan# 1169
 Delta R.T. 0.00 min
 Lab File: BF093026.D
 Acq: 17 Feb 2017 22:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.4	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 8.24 ng m

RT: 15.04 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BF093026.D

Acq: 17 Feb 2017 22:26

Instrument :

BNA_F

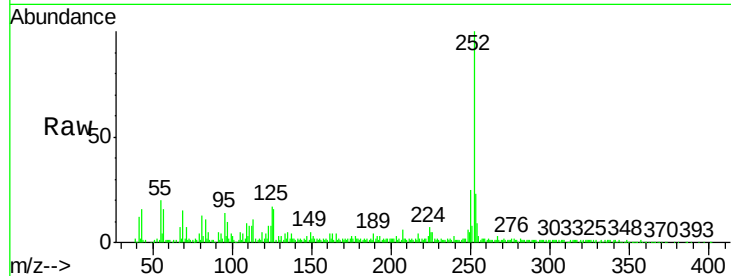
ClientSampled :

PIT-A-COMP

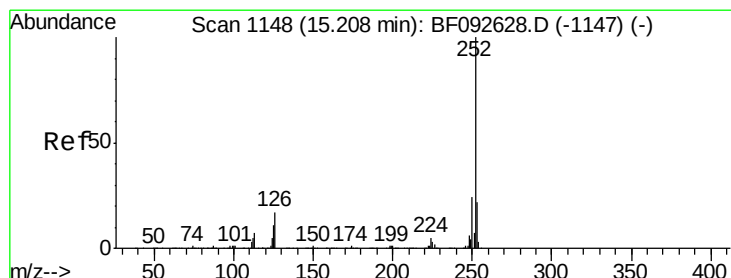
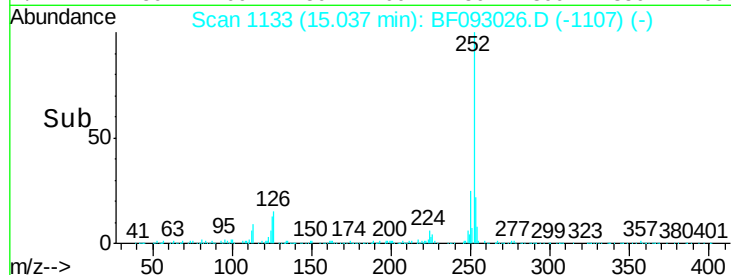
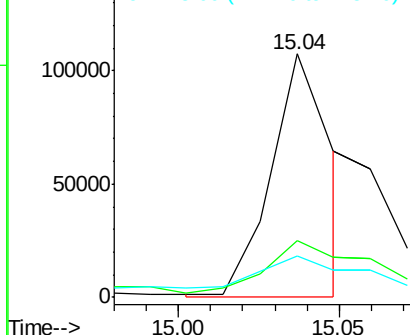
Tgt Ion:	252	Resp:	142455
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.2	27.4
125	17.2	9.8	14.6#

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 3.94 ng m

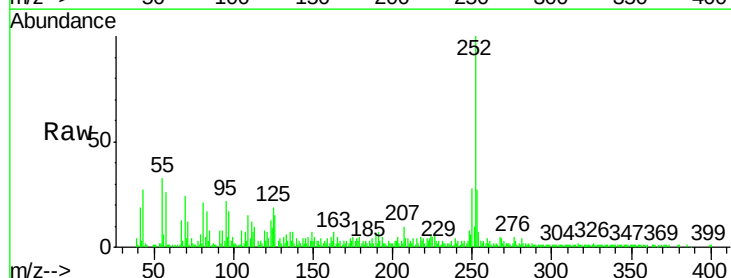
RT: 15.05 min Scan# 1134

Delta R.T. -0.02 min

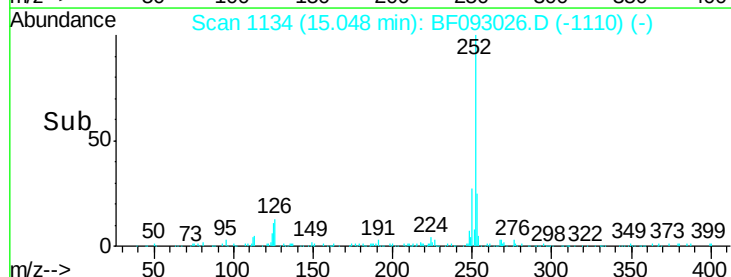
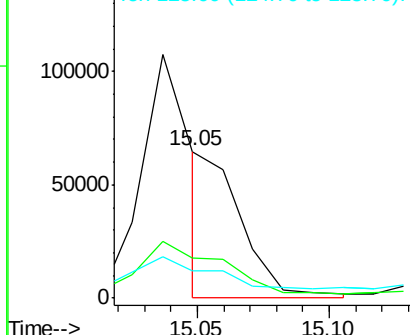
Lab File: BF093026.D

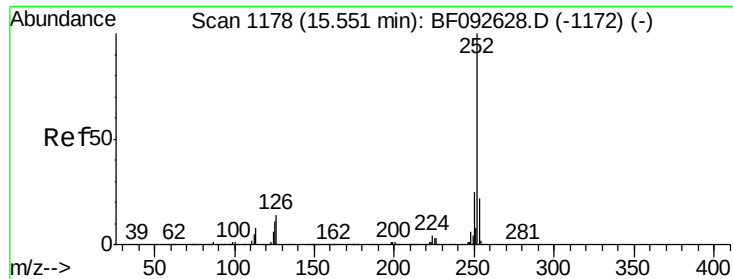
Acq: 17 Feb 2017 22:26

Tgt Ion:	252	Resp:	58833
Ion Ratio	Lower	Upper	
252	100		
253	27.1	18.5	27.7
125	18.8	8.9	13.3#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





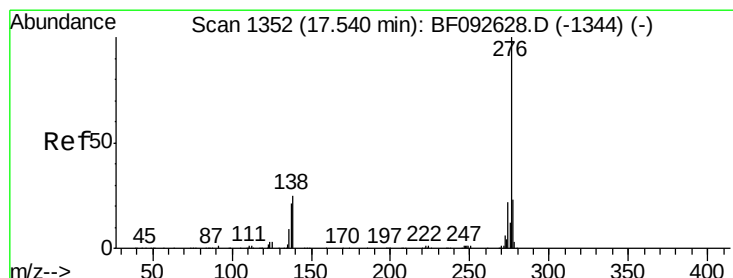
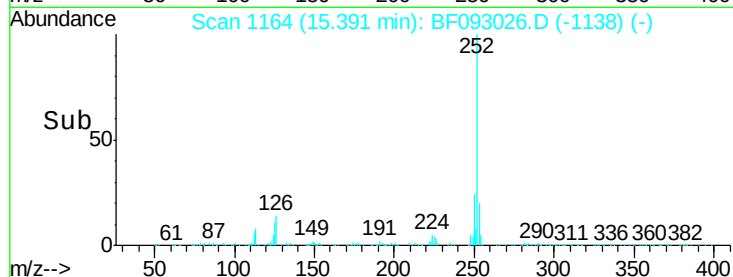
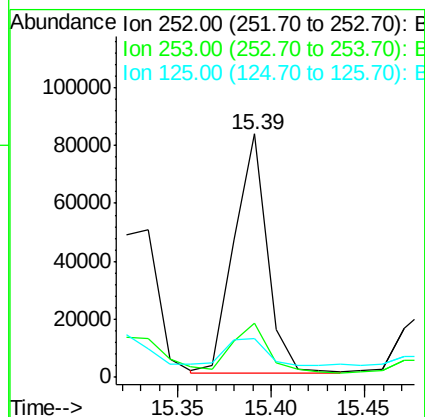
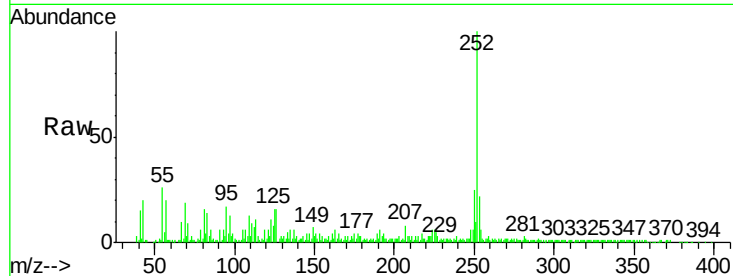
#89
Benzo(a)pyrene
Concen: 6.85 ng
RT: 15.39 min Scan# 1164
Delta R.T. 0.00 min
Lab File: BF093026.D
Acq: 17 Feb 2017 22:26

Instrument :
BNA_F
ClientSampleId :
PIT-A-COMP

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	15.9	10.0	15.0#

Manual Integrations
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2/20/2017 1:00:11 PM



#91
Benzo(g,h,i)perylene
Concen: 4.74 ng
RT: 17.29 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BF093026.D
Acq: 17 Feb 2017 22:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.2	19.2	28.8
138	27.1	16.0	24.0#

