

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020217\
 Data File : BF092747.D
 Acq On : 2 Feb 2017 20:48
 Operator : SJ/MA
 Sample : I1658-16
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-COMP-02B-0-2FT

Manual Integrations
 APPROVED

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 2/3/2017 1:23:01 PM

Quant Time: Feb 03 00:46:36 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 30 14:50:05 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	137220	20.00	ng	-0.03
21) Naphthalene-d8	8.22	136	541817	20.00	ng	-0.03
38) Acenaphthene-d10	9.97	164	240025	20.00	ng	-0.03
63) Phenanthrene-d10	11.46	188	316498	20.00	ng	-0.03
75) Chrysene-d12	14.10	240	301968	20.00	ng	-0.05
86) Perylene-d12	15.56	264	316506	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1402646	175.37	ng	-0.02
7) Phenol-d6	6.58	99	1428720	138.83	ng	-0.02
23) Nitrobenzene-d5	7.50	82	890601	91.53	ng	-0.03
41) 2,4,6-Tribromophenol	10.77	330	223328	128.64	ng	-0.03
44) 2-Fluorobiphenyl	9.30	172	1212451	91.51	ng	-0.03
78) Terphenyl-d14	13.05	244	802973	62.48	ng	-0.03
Target Compounds						Qvalue
10) Phenol	6.59	94	77973	6.48	ng	96
49) Dimethylphthalate	9.69	163	112228	6.94	ng	99
70) Phenanthrene	11.48	178	250002	13.79	ng	97
71) Anthracene	11.54	178	79787	4.38	ng	97
73) Di-n-butylphthalate	12.02	149	58218	3.09	ng	# 96
74) Fluoranthene	12.67	202	279319	14.93	ng	97
77) Pyrene	12.90	202	253812	11.23	ng	98
80) Benzo(a)anthracene	14.09	228	144834m	7.84	ng	
82) Chrysene	14.12	228	153930m	8.90	ng	
83) Bis(2-ethylhexyl)phthalate	14.08	149	31867	2.54	ng	# 90
85) Indeno(1,2,3-cd)pyrene	17.01	276	128333	9.58	ng	98
87) Benzo(b)fluoranthene	15.14	252	241470m	11.59	ng	
88) Benzo(k)fluoranthene	15.16	252	71883m	4.00	ng	
89) Benzo(a)pyrene	15.49	252	171634	9.52	ng	# 96
90) Dibenzo(a,h)anthracene	17.03	278	34037m	2.34	ng	
91) Benzo(g,h,i)perylene	17.46	276	121821	8.28	ng	95

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

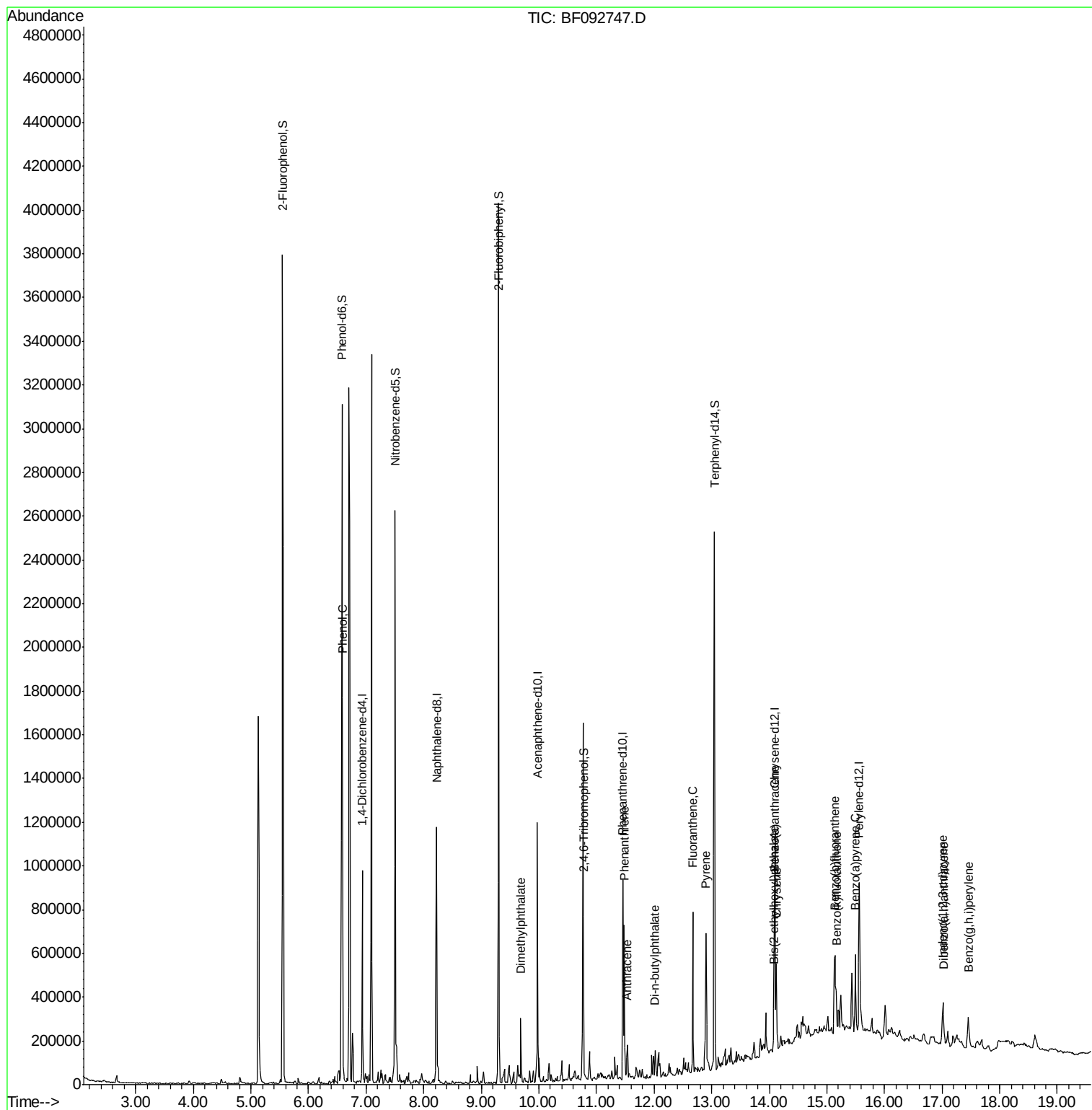
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020217\
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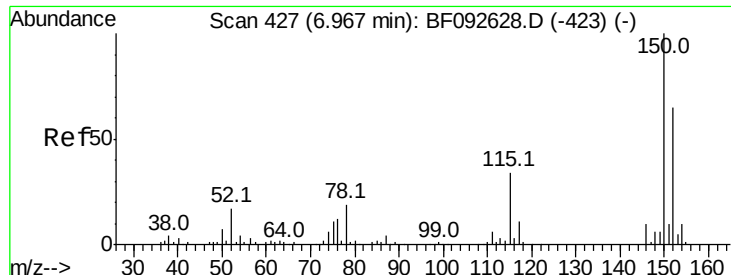
Instrument :
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SP-COMP-02B-0-2FT

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

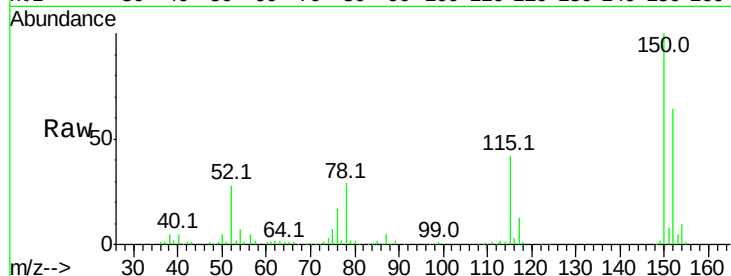
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.93 min Scan# 424
Delta R.T. -0.03 min
Lab File: BF092747.D
Acq: 2 Feb 2017 20:48

Instrument :
BNA_F
ClientSampleId :
SP-COMP-02B-0-2FT

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.9	187.3
115	65.1	46.0	69.0

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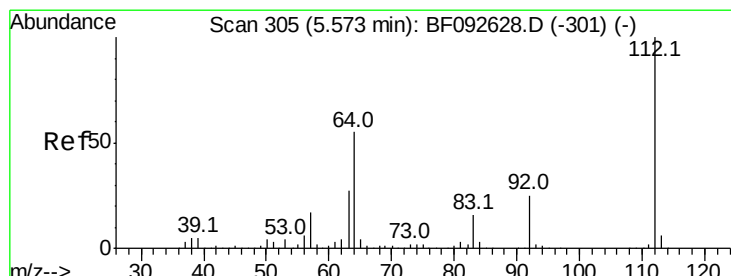
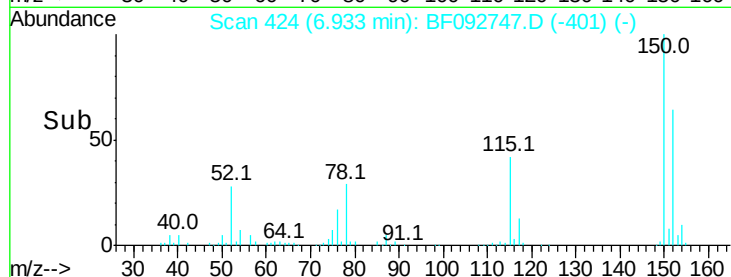
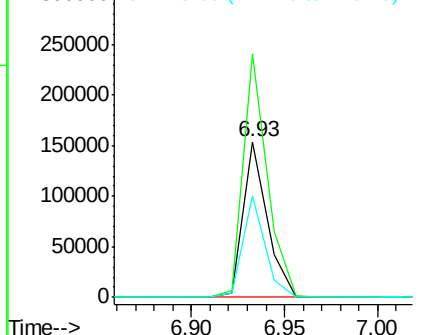


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

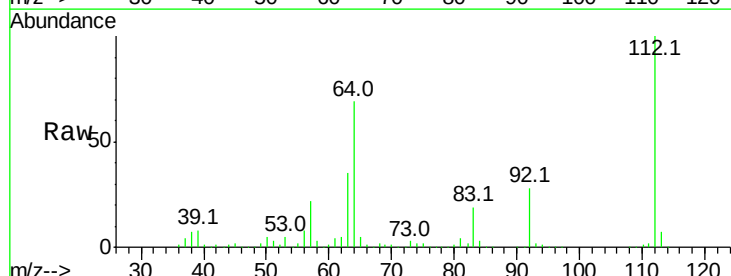
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 175.37 ng
RT: 5.55 min Scan# 303
Delta R.T. -0.02 min
Lab File: BF092747.D
Acq: 2 Feb 2017 20:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.1	46.1	69.1
63	34.7	23.8	35.6

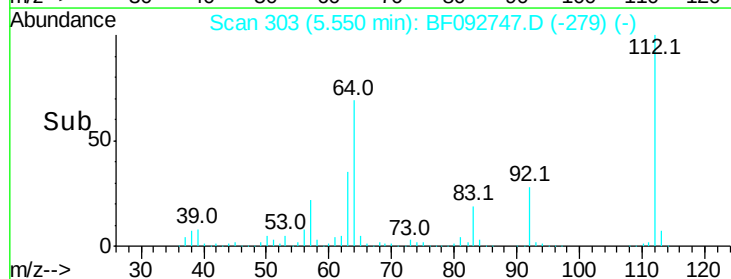
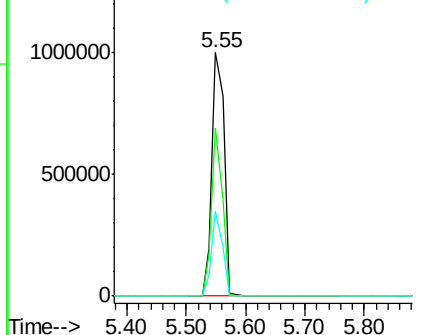


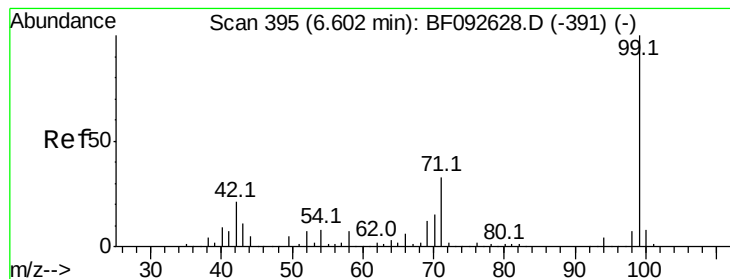
Abundance

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: 138.83 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.02 min

Lab File: BF092747.D

Acq: 2 Feb 2017 20:48

Instrument :

BNA_F

ClientSampleId :

SP-COMP-02B-0-2FT

Tot Ion: 99 Resp: 1428720

Ion Ratio Lower Upper

99 100

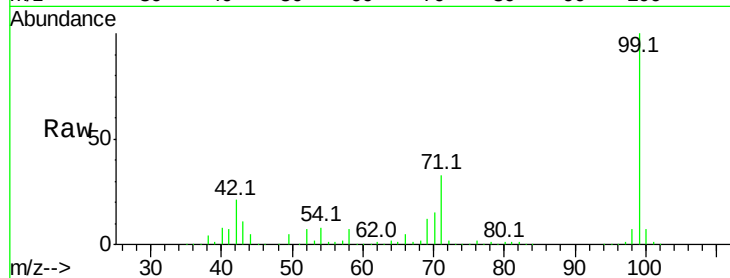
42 20.8 15.6 23.4

71 33.5 27.5 41.3

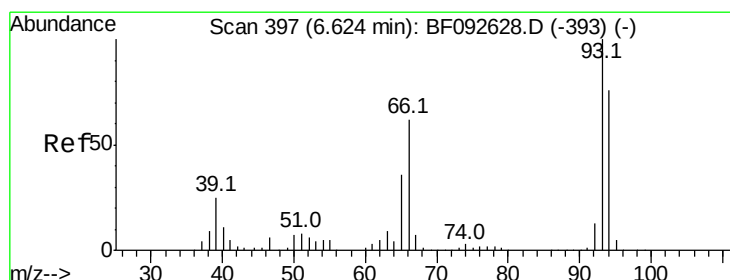
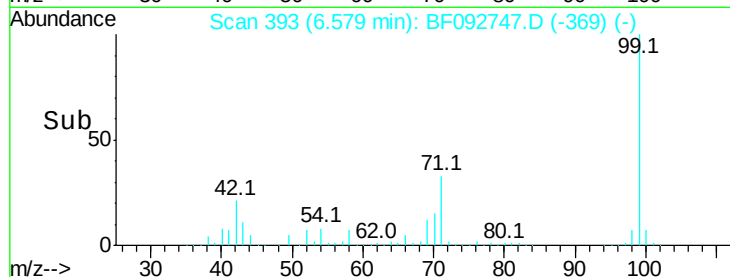
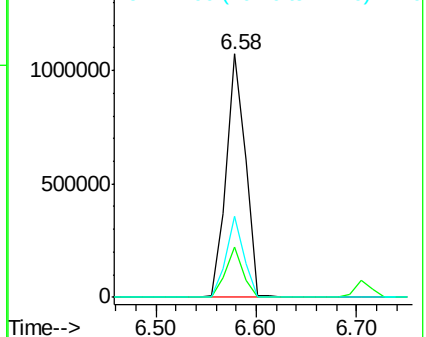
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 6.48 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.03 min

Lab File: BF092747.D

Acq: 2 Feb 2017 20:48

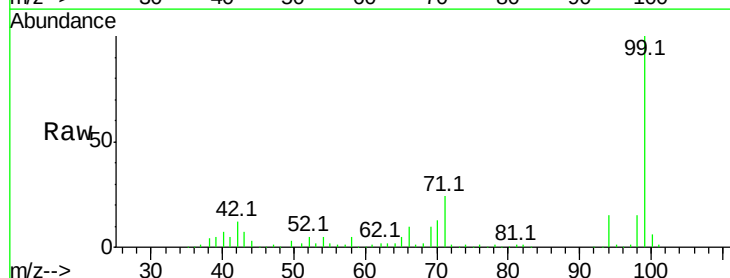
Tgt Ion: 94 Resp: 77973

Ion Ratio Lower Upper

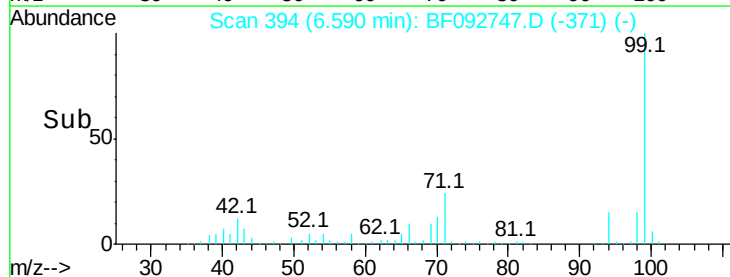
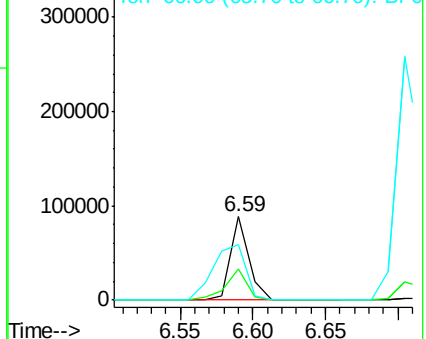
94 100

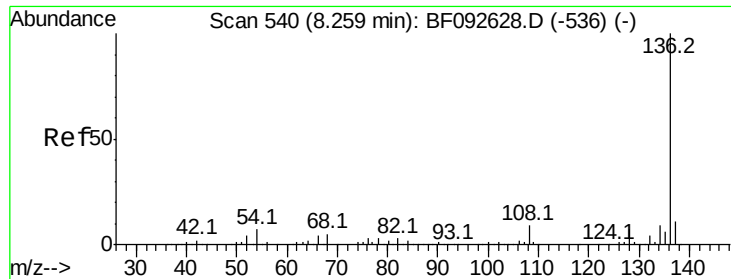
65 37.1 21.4 61.4

66 66.3 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





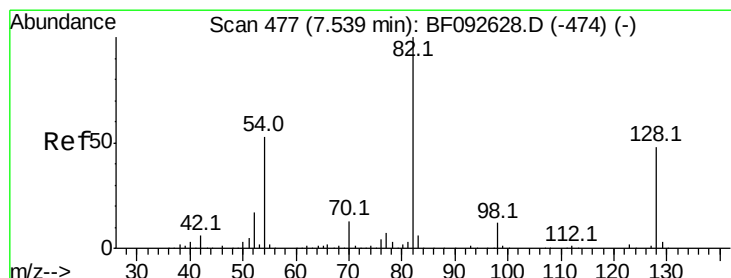
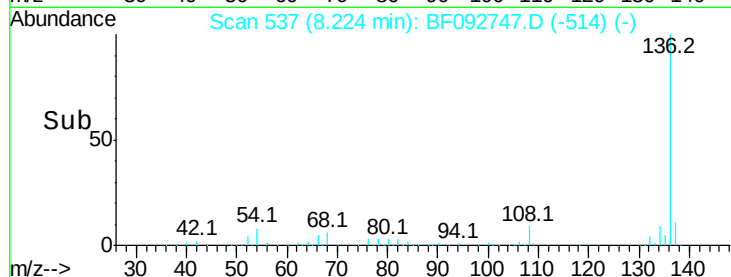
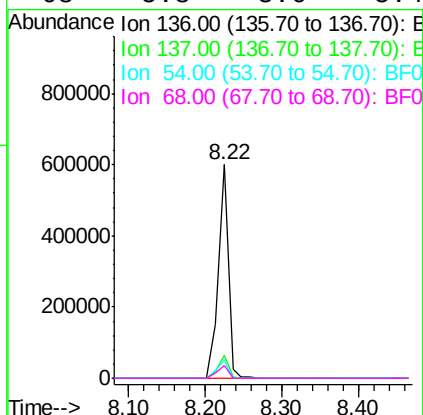
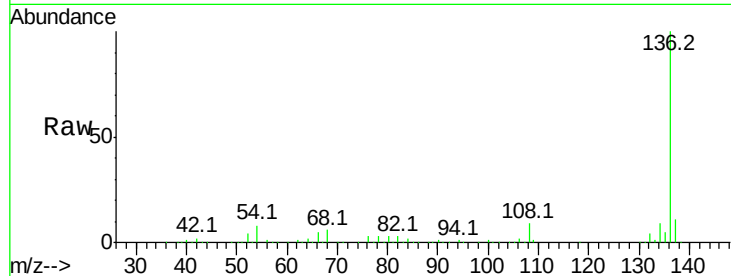
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.22 min Scan# 537
Delta R.T. -0.03 min
Lab File: BF092747.D
Acq: 2 Feb 2017 20:48

Instrument :
BNA_F
ClientSampleId :
SP-COMP-02B-0-2FT

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.4	12.6	
54	8.4	4.5	6.7	
68	5.8	3.6	5.4	

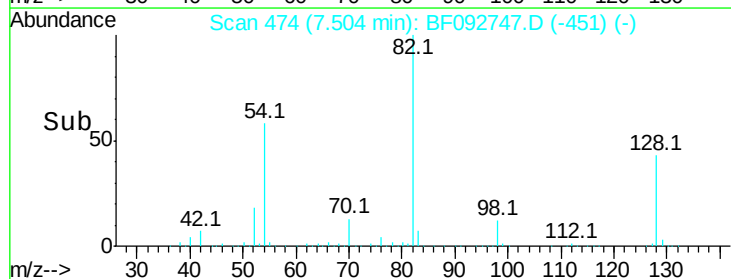
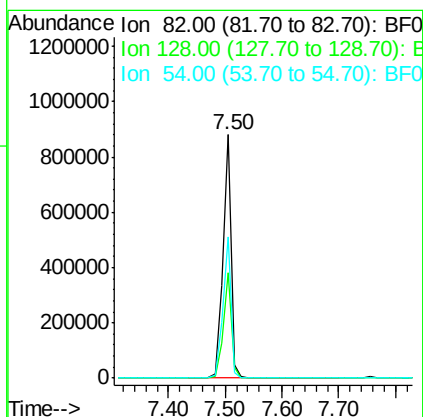
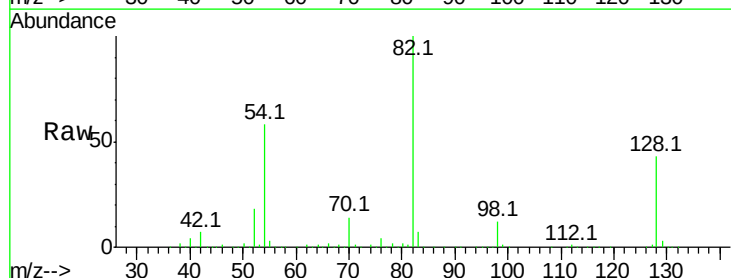
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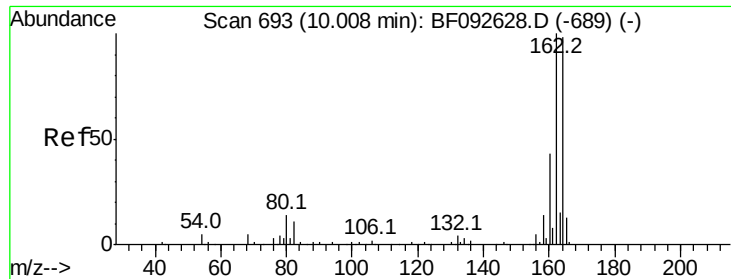
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#23
Nitrobenzene-d5
Concen: 91.53 ng
RT: 7.50 min Scan# 474
Delta R.T. -0.03 min
Lab File: BF092747.D
Acq: 2 Feb 2017 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.2	34.6	52.0	
54	58.0	39.5	59.3	





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.03 min

Lab File: BF092747.D

Acq: 2 Feb 2017 20:48

Instrument :

BNA_F

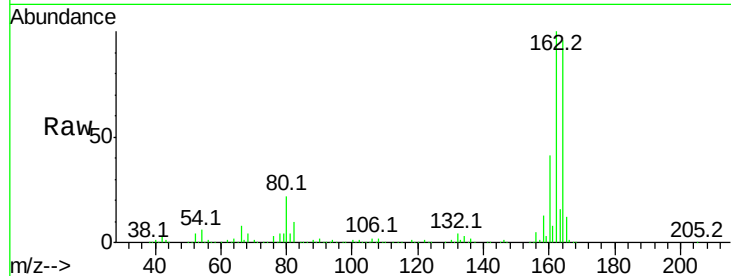
ClientSampleId :

SP-COMP-02B-0-2FT

Tot Ion:	164	Resp:	240025
Ion Ratio	Lower	Upper	
164	100		
162	104.2	80.2	120.2
160	42.6	36.9	55.3

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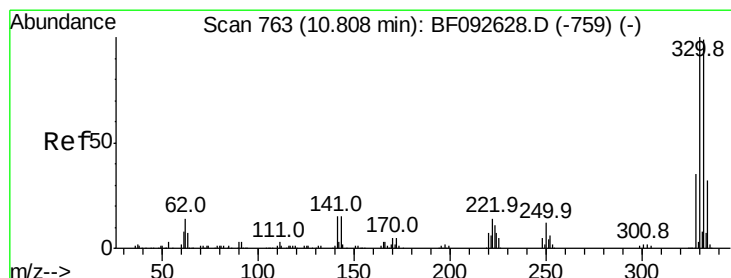
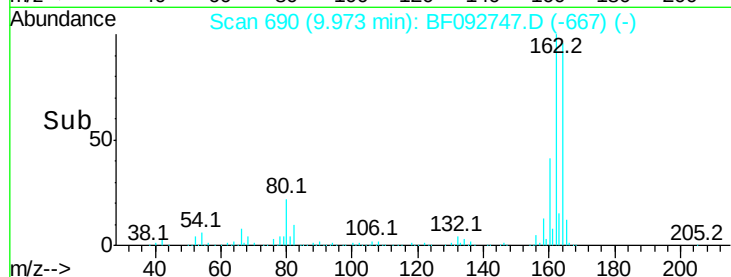
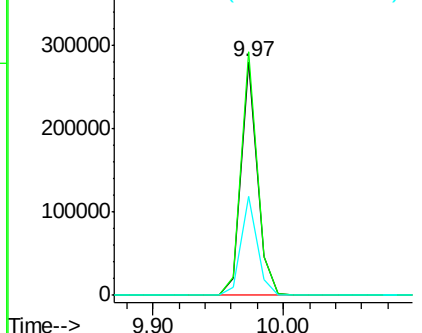
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 128.64 ng

RT: 10.77 min Scan# 760

Delta R.T. -0.03 min

Lab File: BF092747.D

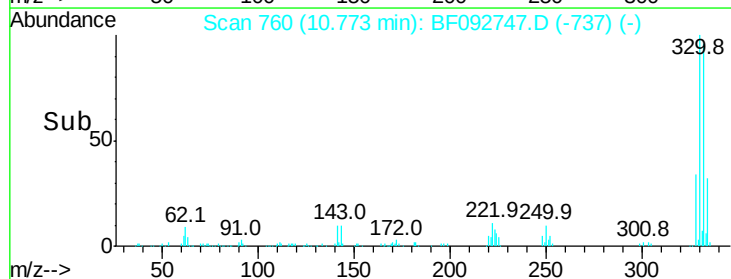
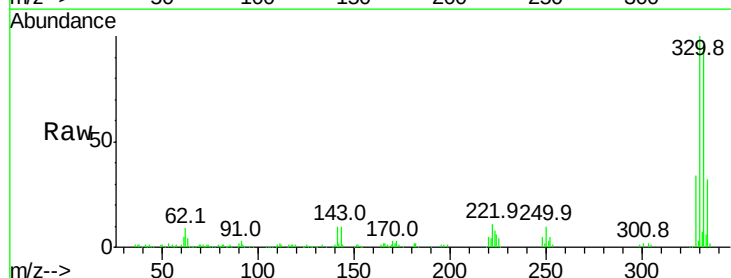
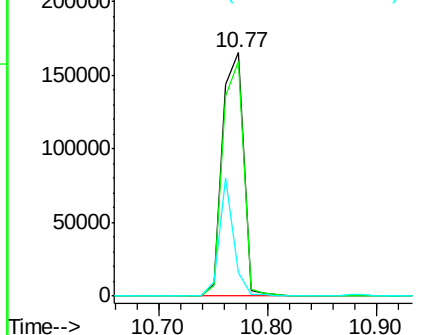
Acq: 2 Feb 2017 20:48

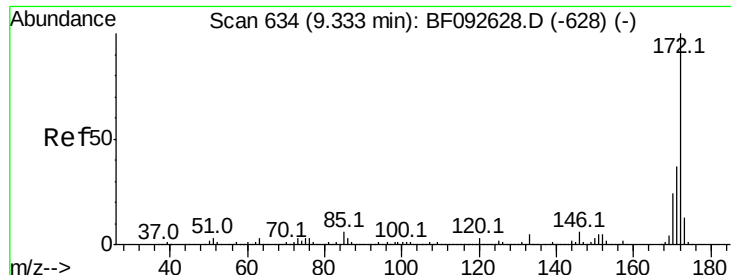
Tgt Ion:	330	Resp:	223328
Ion Ratio	Lower	Upper	
330	100		
332	95.8	77.4	116.2
141	34.1	34.1	51.1

Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 91.51 ng

RT: 9.30 min Scan# 631

Delta R.T. -0.03 min

Lab File: BF092747.D

Acq: 2 Feb 2017 20:48

Instrument :

BNA_F

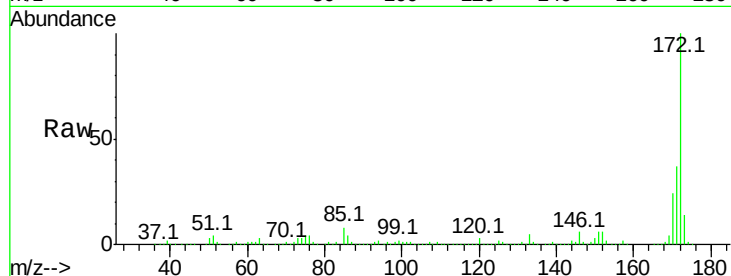
ClientSampleId :

SP-COMP-02B-0-2FT

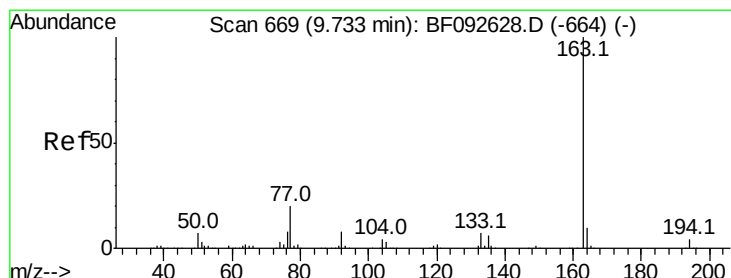
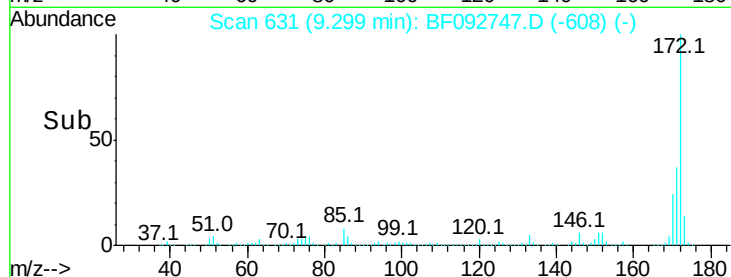
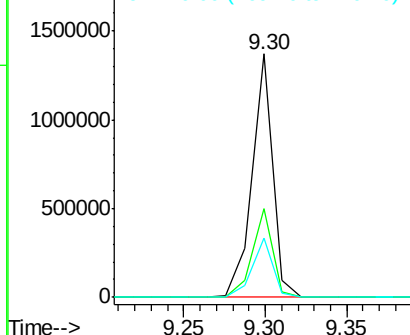
Tot Ion:	172	Resp:	1212451
Ion Ratio	Lower	Upper	
172	100		
171	36.6	29.4	44.0
170	24.2	20.2	30.4

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



#49

Dimethylphthalate

Concen: 6.94 ng

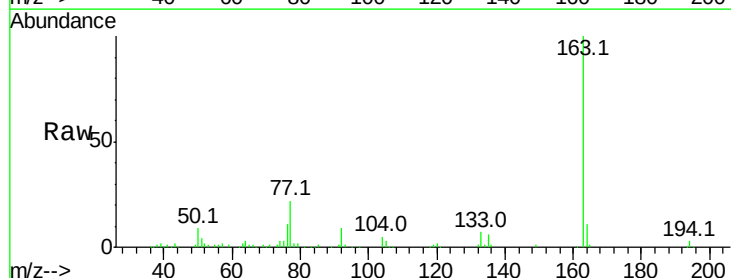
RT: 9.69 min Scan# 665

Delta R.T. -0.05 min

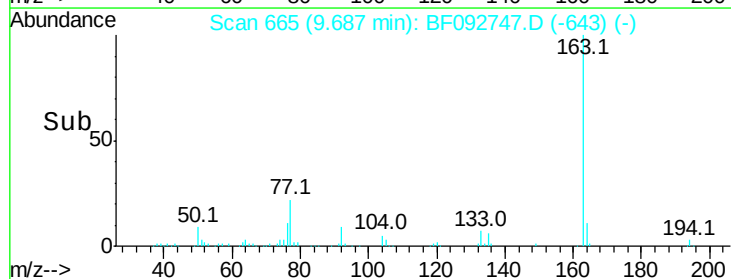
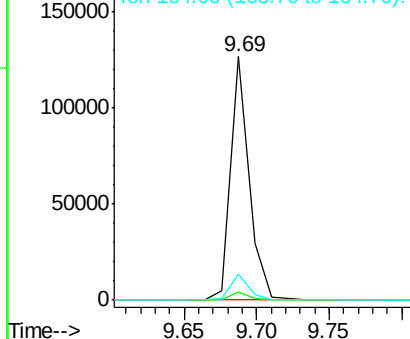
Lab File: BF092747.D

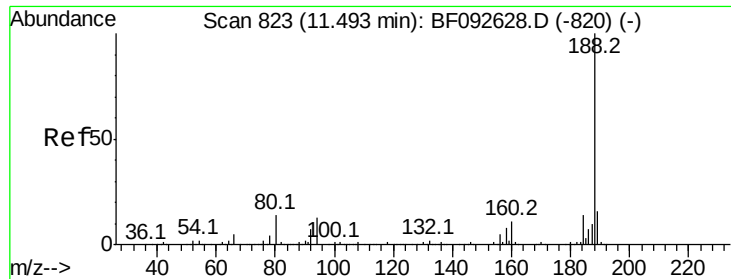
Acq: 2 Feb 2017 20:48

Tgt Ion:	163	Resp:	112228
Ion Ratio	Lower	Upper	
163	100		
194	3.5	3.0	4.4
164	10.6	8.0	12.0



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





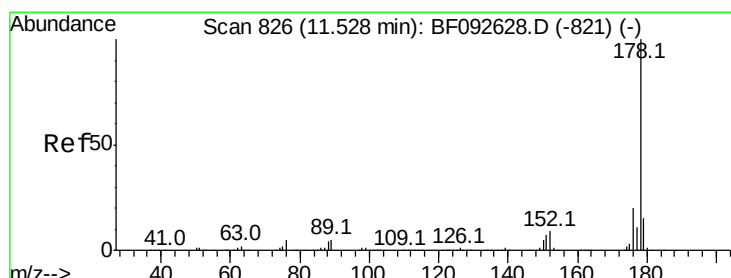
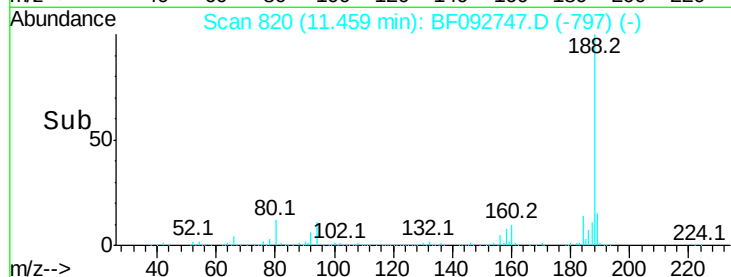
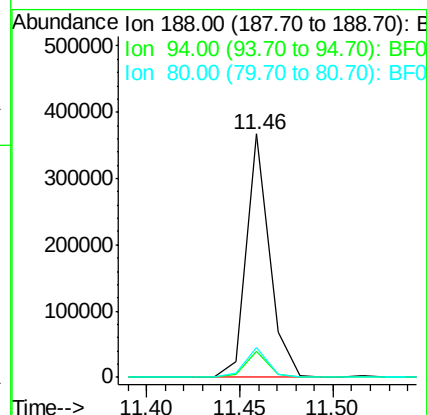
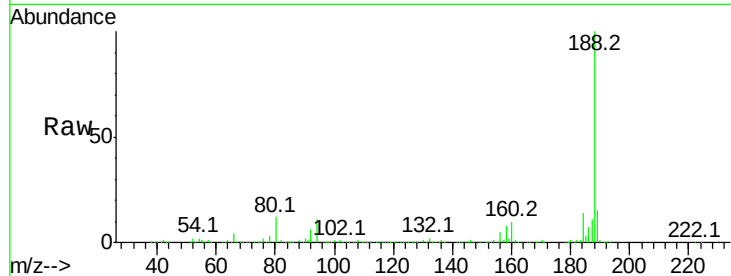
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 820
Delta R.T. -0.03 min
Lab File: BF092747.D
Acq: 2 Feb 2017 20:48

Instrument :
BNA_F
ClientSampleId :
SP-COMP-02B-0-2FT

Tot Ion	Ratio	Resp	Lower	Upper
188	100	316498		
94	10.9		10.0	15.0
80	12.0		11.2	16.8

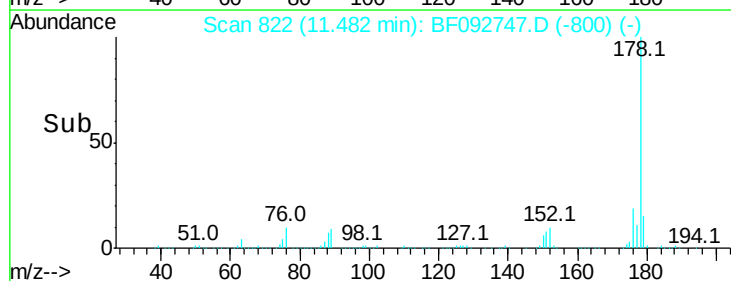
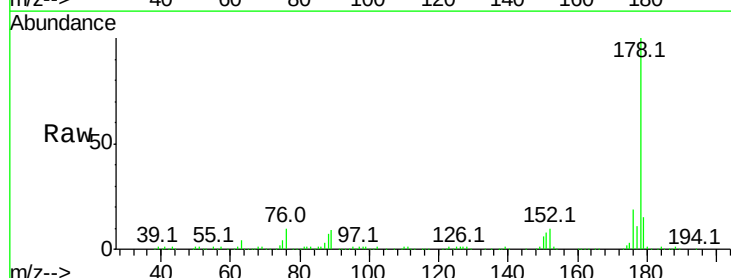
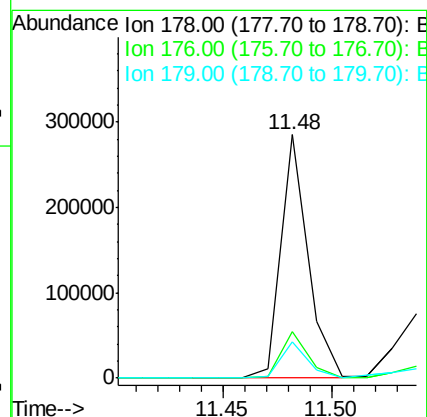
Manual Integrations
APPROVED

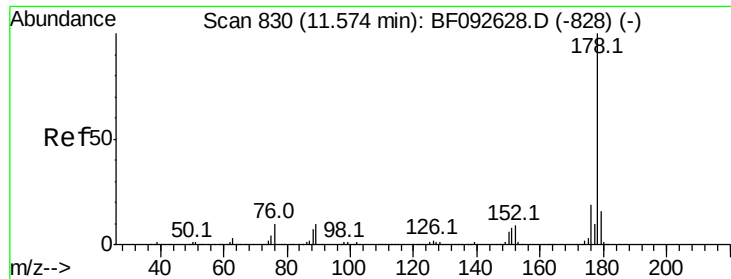
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#70
Phenanthrene
Concen: 13.79 ng
RT: 11.48 min Scan# 822
Delta R.T. -0.05 min
Lab File: BF092747.D
Acq: 2 Feb 2017 20:48

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	250002		
176	18.9		16.6	25.0
179	15.0		12.8	19.2





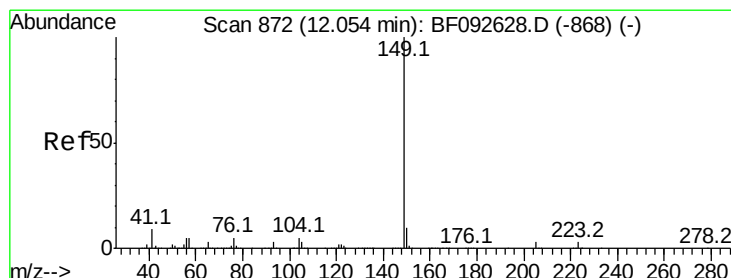
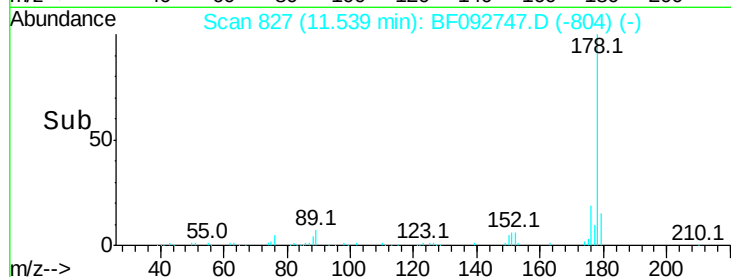
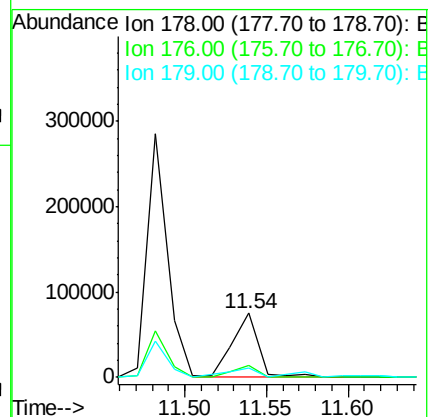
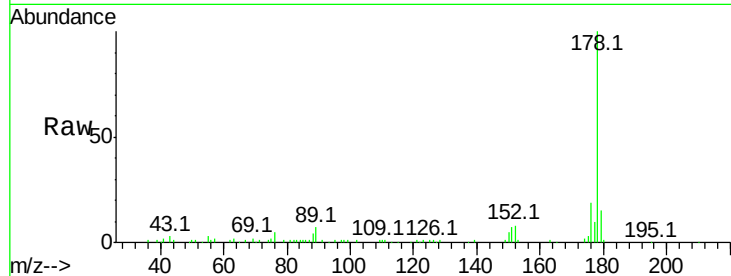
#71
 Anthracene
 Concen: 4.38 ng
 RT: 11.54 min Scan# 827
 Delta R.T. -0.03 min
 Lab File: BF092747.D
 Acq: 2 Feb 2017 20:48

Instrument :
 BNA_F
 ClientSampleId :
 SP-COMP-02B-0-2FT

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.9	23.9
179	14.5	13.2	19.8

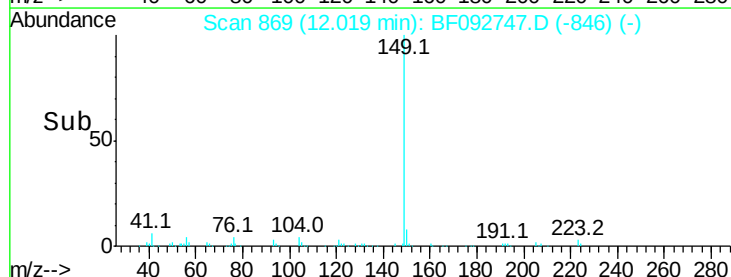
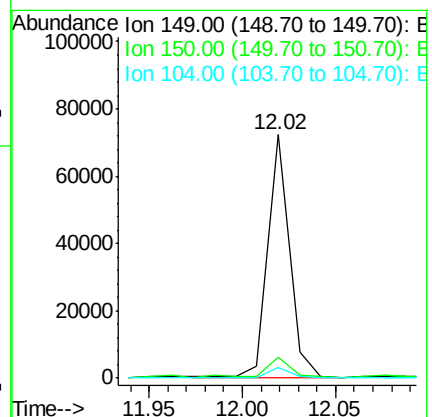
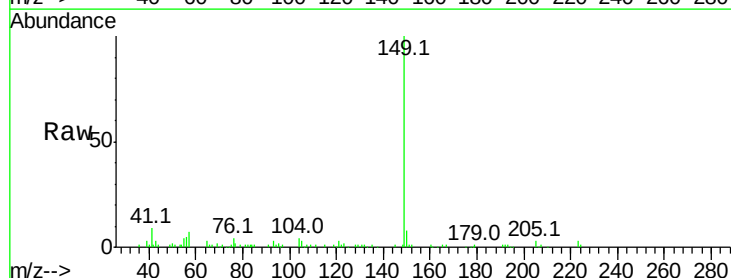
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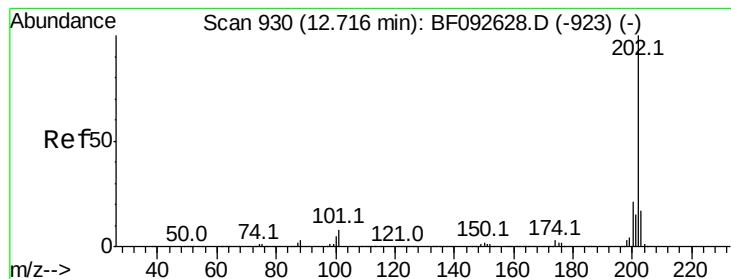
mohammad
 2/3/2017 1:23:01 PM



#73
 Di-n-butylphthalate
 Concen: 3.09 ng
 RT: 12.02 min Scan# 869
 Delta R.T. -0.03 min
 Lab File: BF092747.D
 Acq: 2 Feb 2017 20:48

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.4	8.1	12.1
104	4.3	4.6	7.0#





#74

Fluoranthene

Concen: 14.93 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.05 min

Lab File: BF092747.D

Acq: 2 Feb 2017 20:48

Instrument :

BNA_F

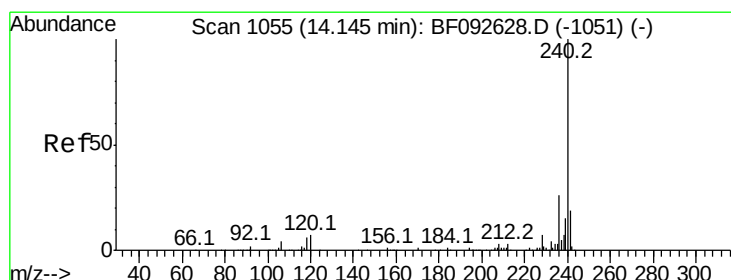
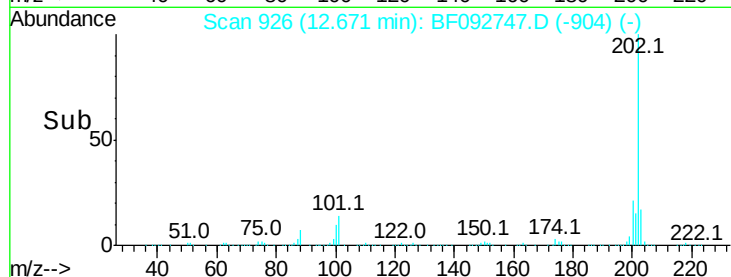
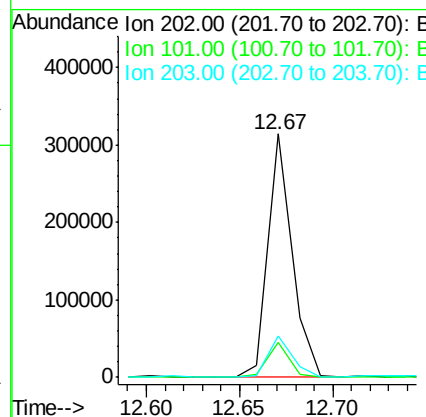
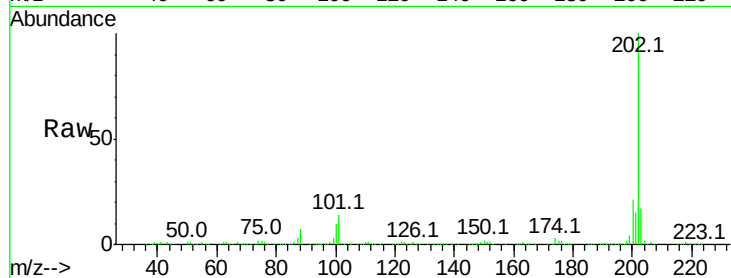
ClientSampleId :

SP-COMP-02B-0-2FT

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		279319		
101	14.1	0.0	34.6		
203	17.0	0.0	38.7		

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#75

Chrysene-d12

Concen: 20.00 ng

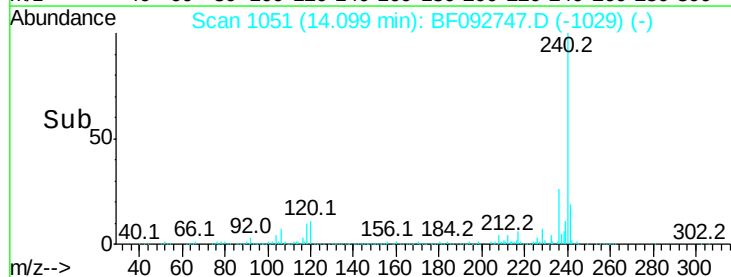
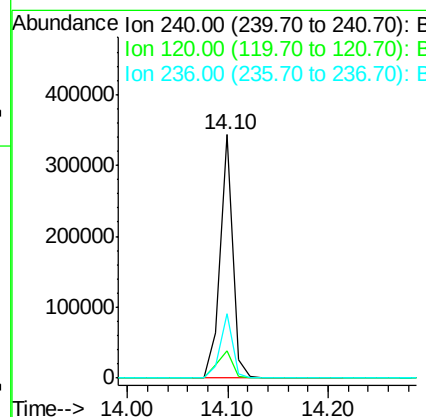
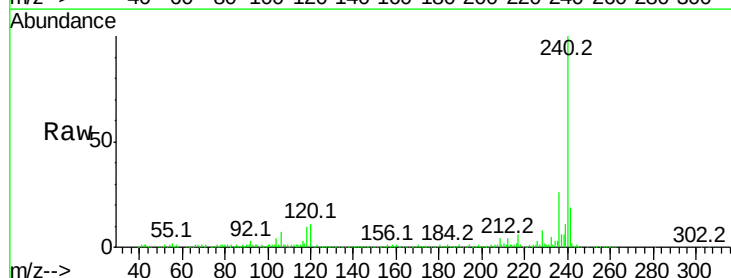
RT: 14.10 min Scan# 1051

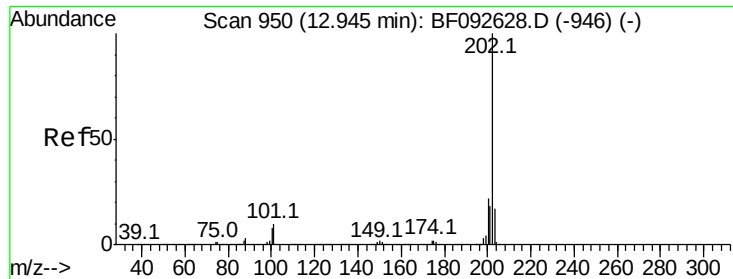
Delta R.T. -0.05 min

Lab File: BF092747.D

Acq: 2 Feb 2017 20:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		301968		
120	11.1	12.9	19.3#		
236	26.4	20.9	31.3		





#77

Pvrene

Concen: 11.23 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.05 min

Lab File: BF092747.D

Acq: 2 Feb 2017 20:48

Instrument :

BNA_F

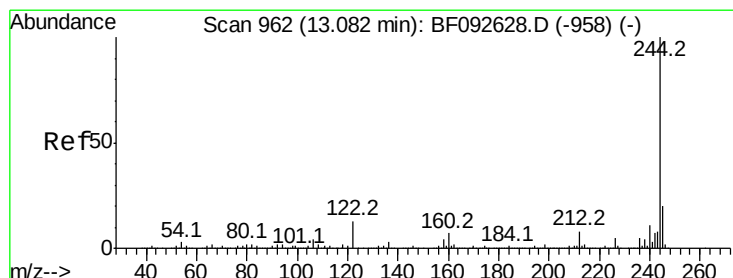
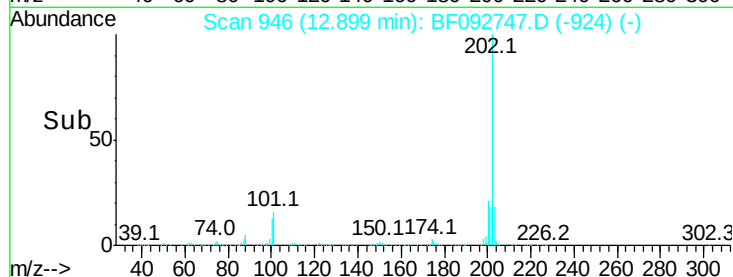
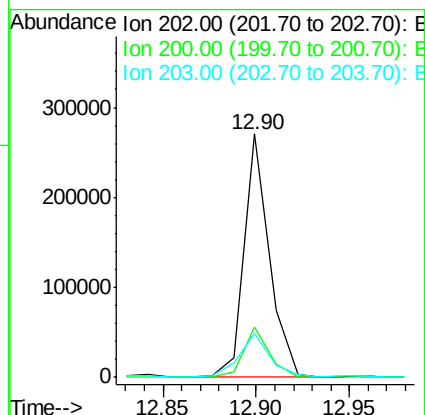
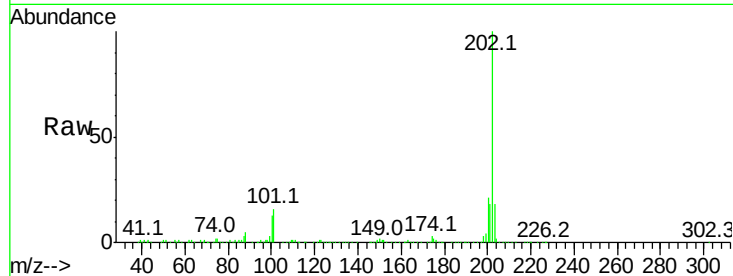
ClientSampleId :

SP-COMP-02B-0-2FT

Tot Ion:	202	Resp:	253812
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.7	26.5
203	18.2	14.7	22.1

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#78

Terphenyl-d14

Concen: 62.48 ng

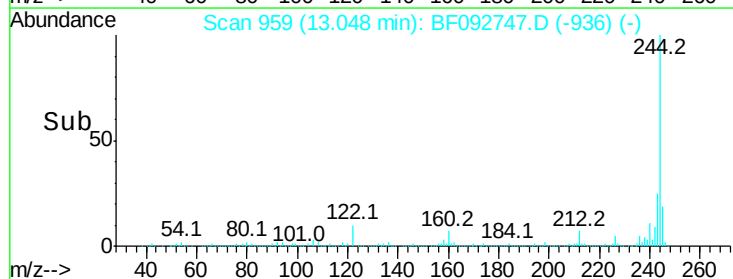
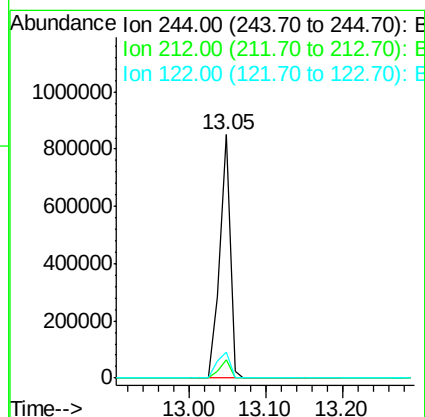
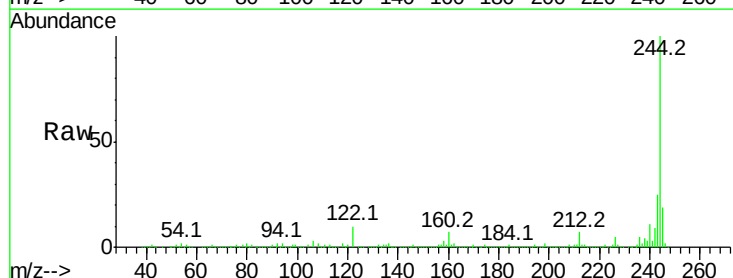
RT: 13.05 min Scan# 959

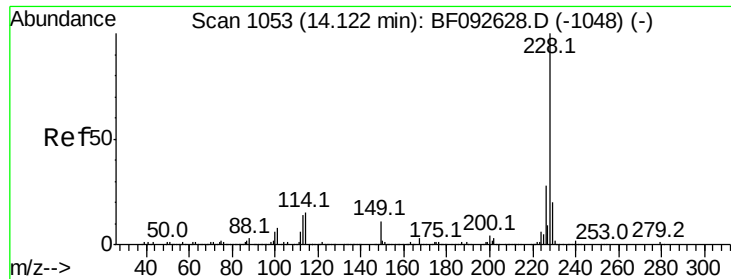
Delta R.T. -0.03 min

Lab File: BF092747.D

Acq: 2 Feb 2017 20:48

Tgt Ion:	244	Resp:	802973
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.2	9.2
122	10.5	11.4	17.2#





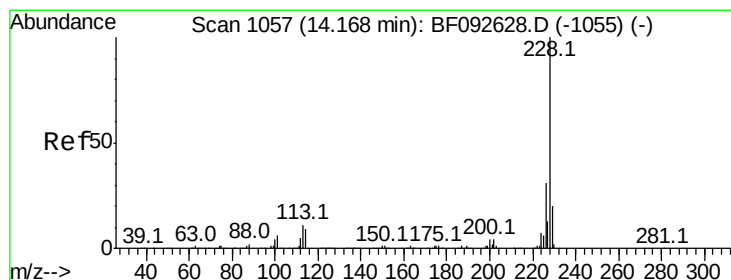
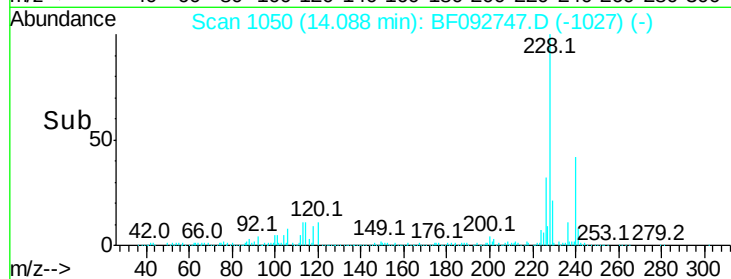
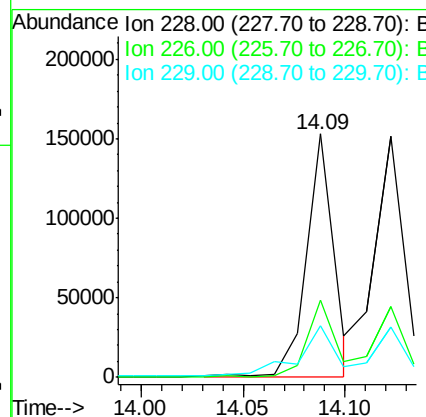
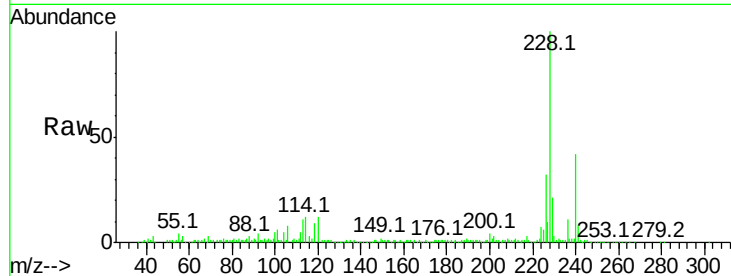
#80
Benzo(a)anthracene
Concen: 7.84 ng m
RT: 14.09 min Scan# 1050
Delta R.T. -0.03 min
Lab File: BF092747.D
Acq: 2 Feb 2017 20:48

Instrument :
BNA_F
ClientSampleId :
SP-COMP-02B-0-2FT

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.4	33.6
229	21.0	16.2	24.4

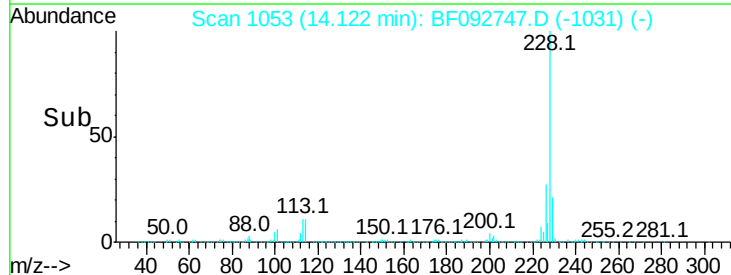
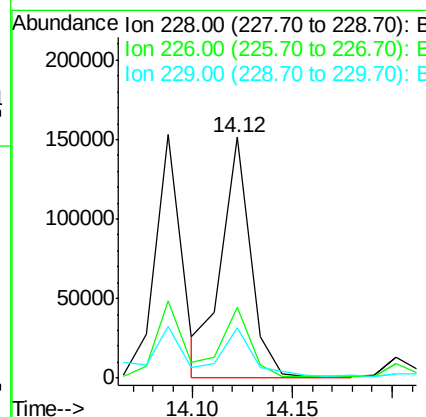
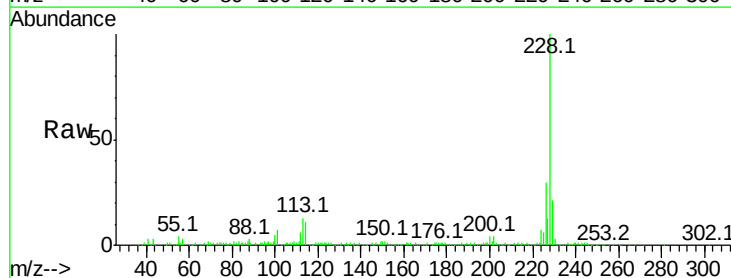
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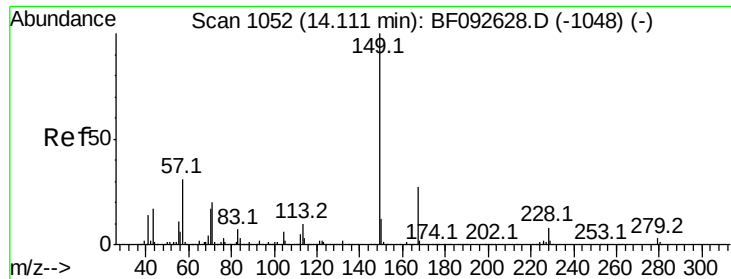
mohammad
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#82
Chrysene
Concen: 8.90 ng m
RT: 14.12 min Scan# 1053
Delta R.T. -0.05 min
Lab File: BF092747.D
Acq: 2 Feb 2017 20:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.4	38.0
229	21.1	16.2	24.2





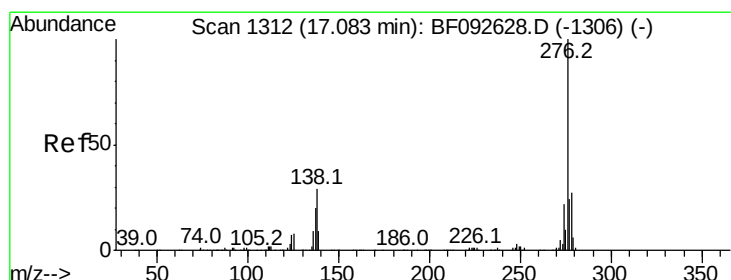
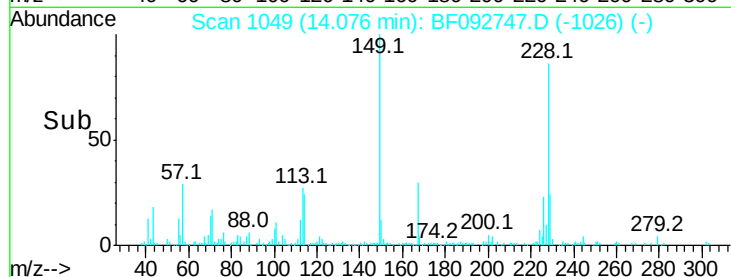
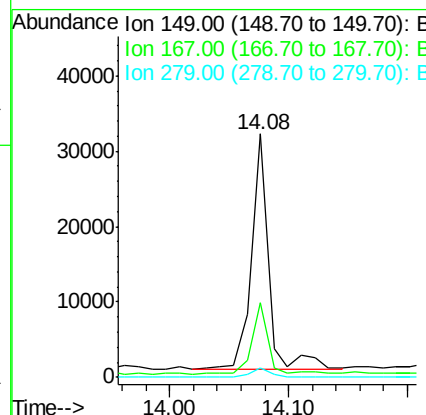
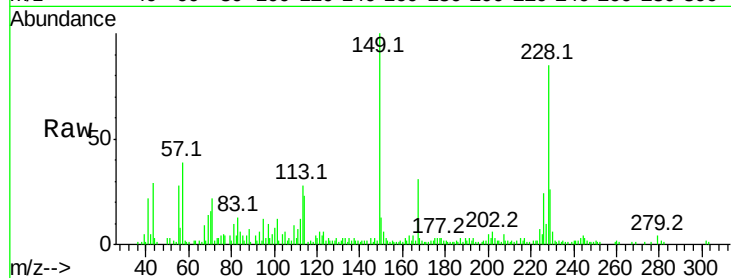
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.54 ng
 RT: 14.08 min Scan# 1049
 Delta R.T. -0.03 min
 Lab File: BF092747.D
 Acq: 2 Feb 2017 20:48

Instrument :
 BNA_F
 ClientSampleId :
 SP-COMP-02B-0-2FT

Tot Ion	Ratio	Lower	Upper
149	100		
167	30.7	20.2	30.4#
279	4.1	1.8	2.8#

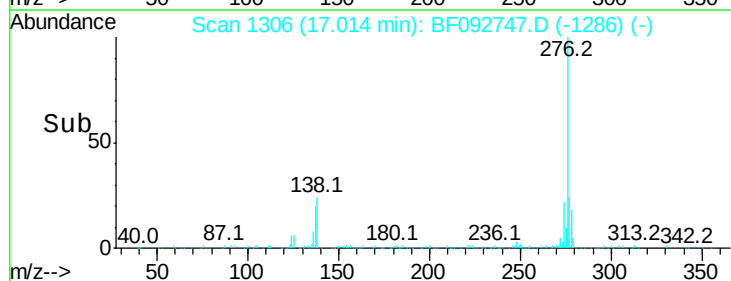
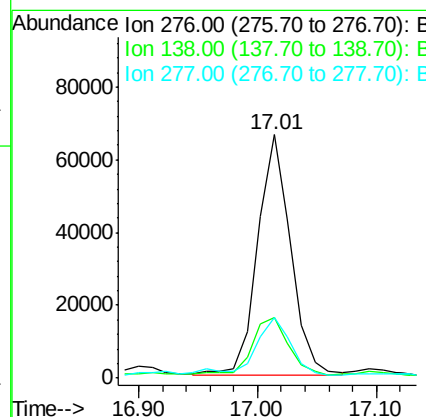
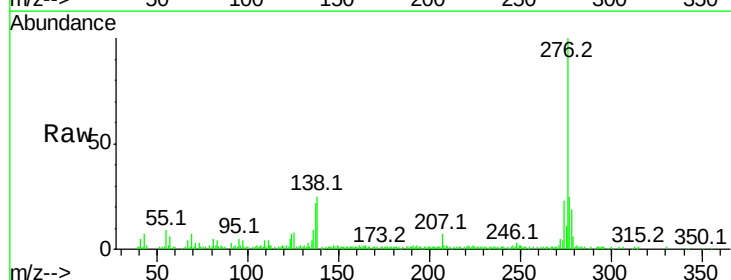
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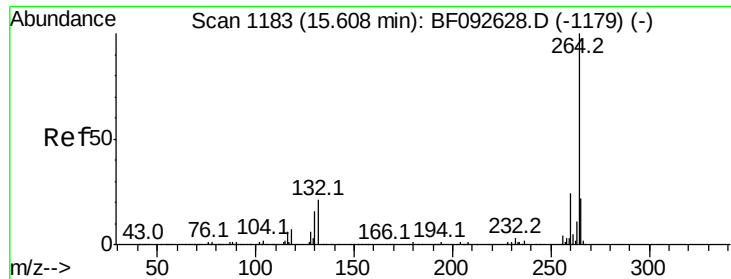
mohammad
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.58 ng
 RT: 17.01 min Scan# 1306
 Delta R.T. -0.07 min
 Lab File: BF092747.D
 Acq: 2 Feb 2017 20:48

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.7	21.8	32.6
277	26.6	20.2	30.4





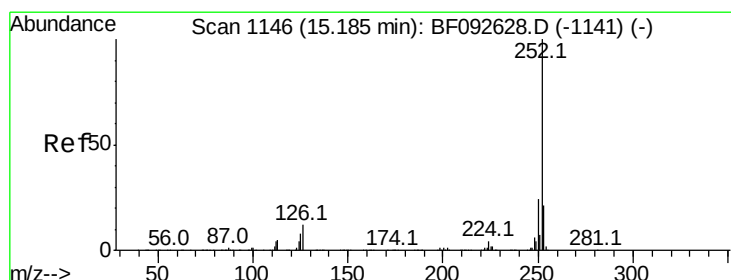
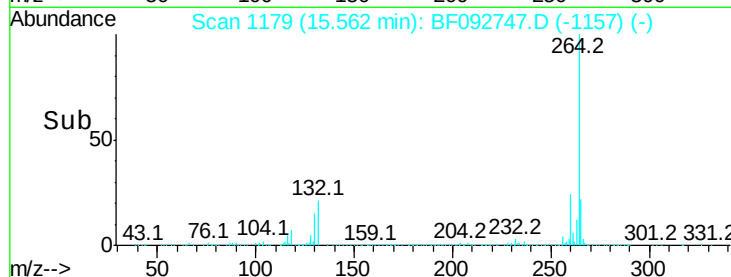
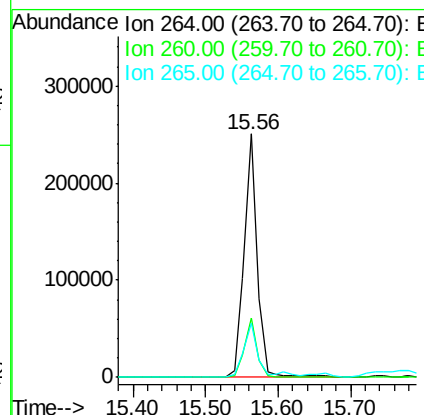
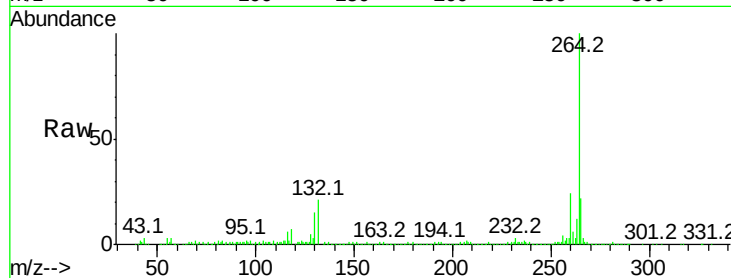
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.56 min Scan# 1179
Delta R.T. -0.05 min
Lab File: BF092747.D
Acq: 2 Feb 2017 20:48

Instrument :
BNA_F
ClientSampleId :
SP-COMP-02B-0-2FT

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.3	17.4	26.0

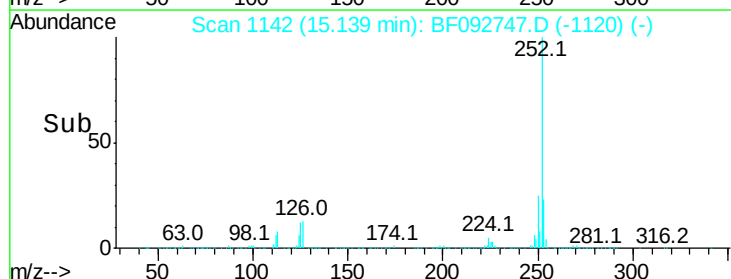
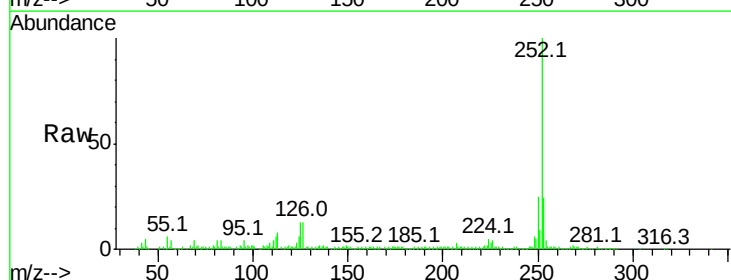
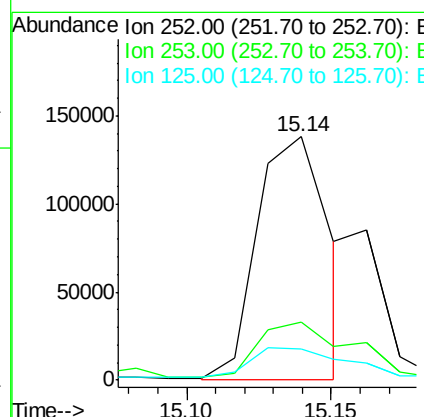
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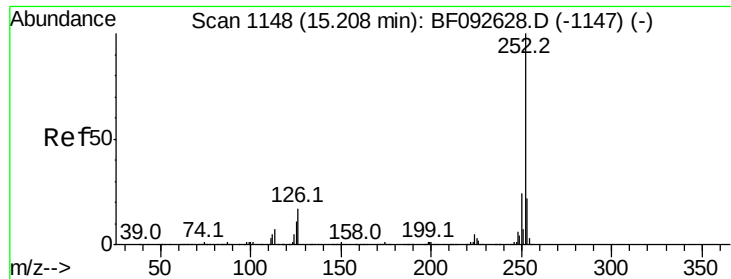
mohammad
2/3/2017 1:23:01 PM



#87
Benzo(b)fluoranthene
Concen: 11.59 ng m
RT: 15.14 min Scan# 1142
Delta R.T. -0.05 min
Lab File: BF092747.D
Acq: 2 Feb 2017 20:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.4
125	12.6	9.8	14.6





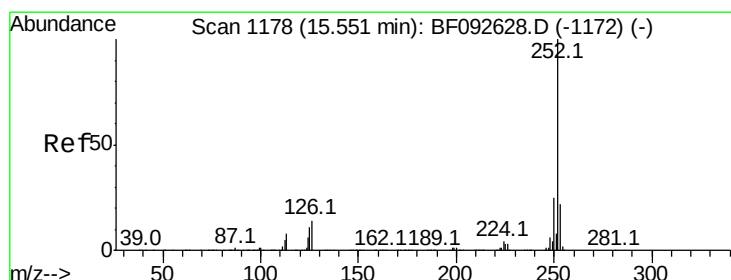
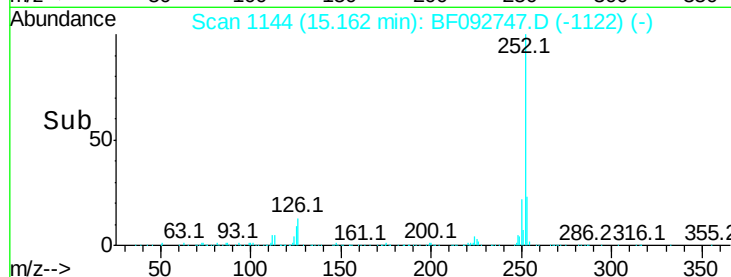
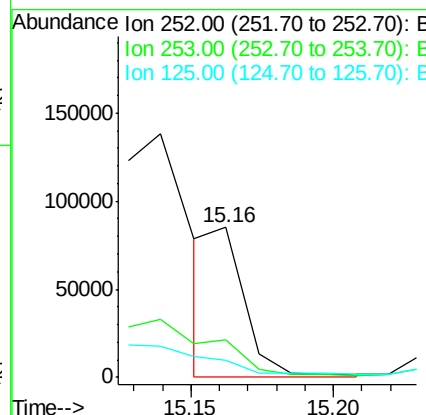
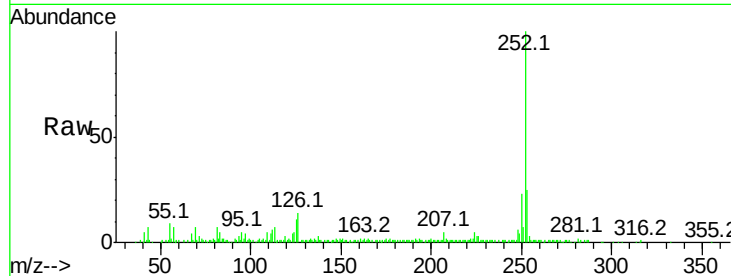
#88
Benzo(k)fluoranthene
Concen: 4.00 ng m
RT: 15.16 min Scan# 1144
Delta R.T. -0.05 min
Lab File: BF092747.D
Acq: 2 Feb 2017 20:48

Instrument :
BNA_F
ClientSampleId :
SP-COMP-02B-0-2FT

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.5	27.7
125	11.4	8.9	13.3

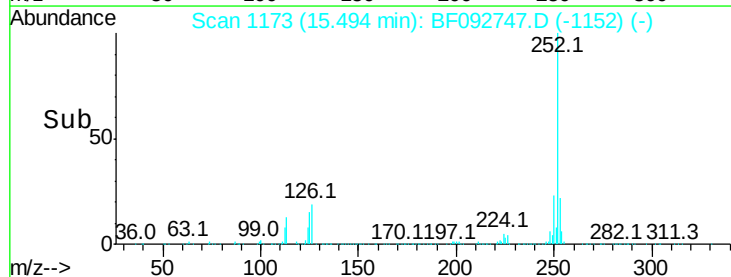
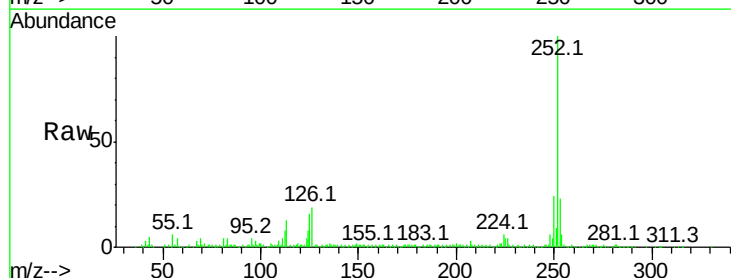
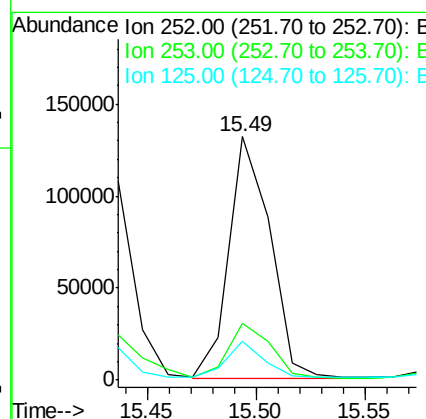
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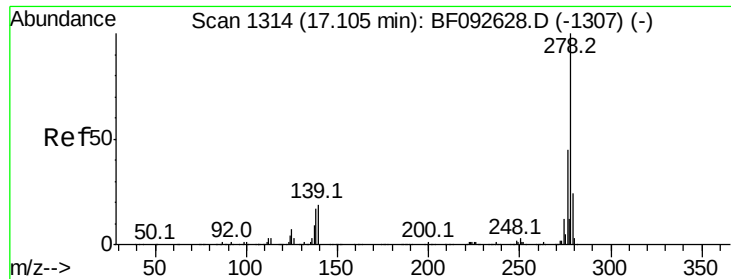
mohammad
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#89
Benzo(a)pyrene
Concen: 9.52 ng
RT: 15.49 min Scan# 1173
Delta R.T. -0.06 min
Lab File: BF092747.D
Acq: 2 Feb 2017 20:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	15.8	10.0	15.0#





#90

Dibenzo(a,h)anthracene

Concen: 2.34 ng/mL

RT: 17.03 min Scan# 1307

Delta R.T. -0.08 min

Lab File: BF092747.D

Acq: 2 Feb 2017 20:48

Instrument :

BNA_F

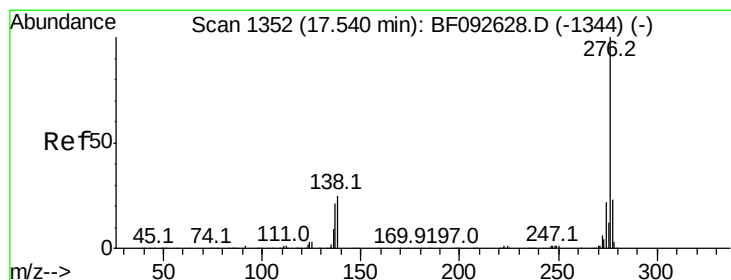
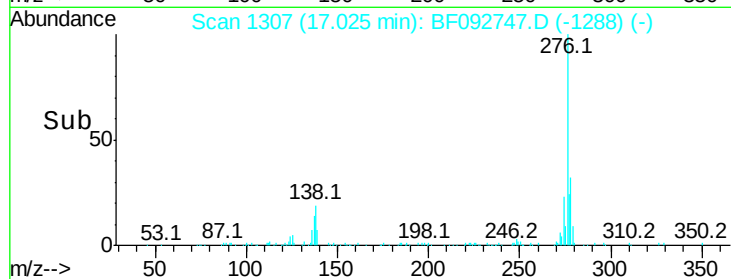
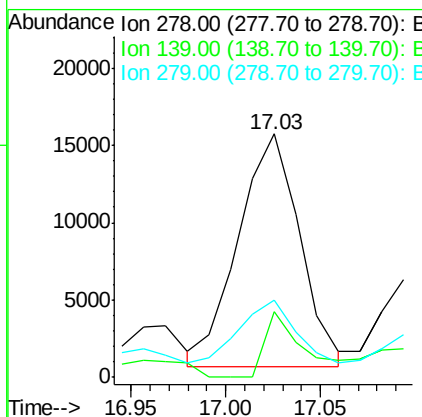
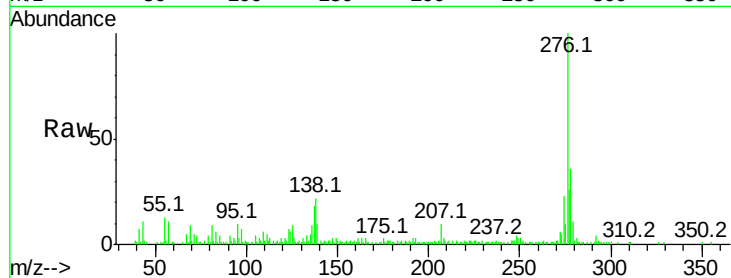
ClientSampleId :

SP-COMP-02B-0-2FT

Tot Ion:	278	Resp:	34037
Ion Ratio	Lower	Upper	
278	100		
139	26.8	14.8	22.2#
279	31.5	19.8	29.6#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 8.28 ng/mL

RT: 17.46 min Scan# 1345

Delta R.T. -0.08 min

Lab File: BF092747.D

Acq: 2 Feb 2017 20:48

Tgt Ion:	276	Resp:	121821
Ion Ratio	Lower	Upper	
276	100		
277	24.7	19.2	28.8
138	23.8	16.0	24.0

