

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
 Data File : BF092514.D
 Acq On : 26 Jan 2017 9:57
 Operator : SJ/MA
 Sample : I1312-11
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CAS-SB-03-5-7

Manual Integrations
 APPROVED

mohammad
 1/27/2017 3:02:00 PM

Quant Time: Jan 27 07:47:00 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	170264	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	698504	20.00	ng	-0.01
38) Acenaphthene-d10	10.02	164	352516	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	555580	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	369107	20.00	ng	-0.02
86) Perylene-d12	15.63	264	336456	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	1112177	101.63	ng	0.01
7) Phenol-d6	6.59	99	1364483	97.89	ng	0.00
23) Nitrobenzene-d5	7.53	82	825822	64.58	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	286473	119.25	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1408430	73.88	ng	-0.01
78) Terphenyl-d14	13.11	244	1123314	81.04	ng	-0.01
Target Compounds						
10) Phenol	6.60	94	112410	6.68	ng	Qvalue # 67
49) Dimethylphthalate	9.73	163	299592	13.36	ng	99
70) Phenanthrene	11.53	178	130175	4.25	ng	97
74) Fluoranthene	12.73	202	280848	9.38	ng	91
77) Pyrene	12.96	202	238193	8.91	ng	97
80) Benzo(a)anthracene	14.13	228	121654m	6.13	ng	
82) Chrysene	14.17	228	91105	4.30	ng	96
85) Indeno(1,2,3-cd)pyrene	17.09	276	50064m	3.19	ng	
87) Benzo(b)fluoranthene	15.20	252	120239m	5.57	ng	
88) Benzo(k)fluoranthene	15.22	252	39669m	2.21	ng	
89) Benzo(a)pyrene	15.56	252	89700	4.91	ng	99
91) Benzo(a,h,i)perylene	17.54	276	50666	3.39	ng	# 90

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

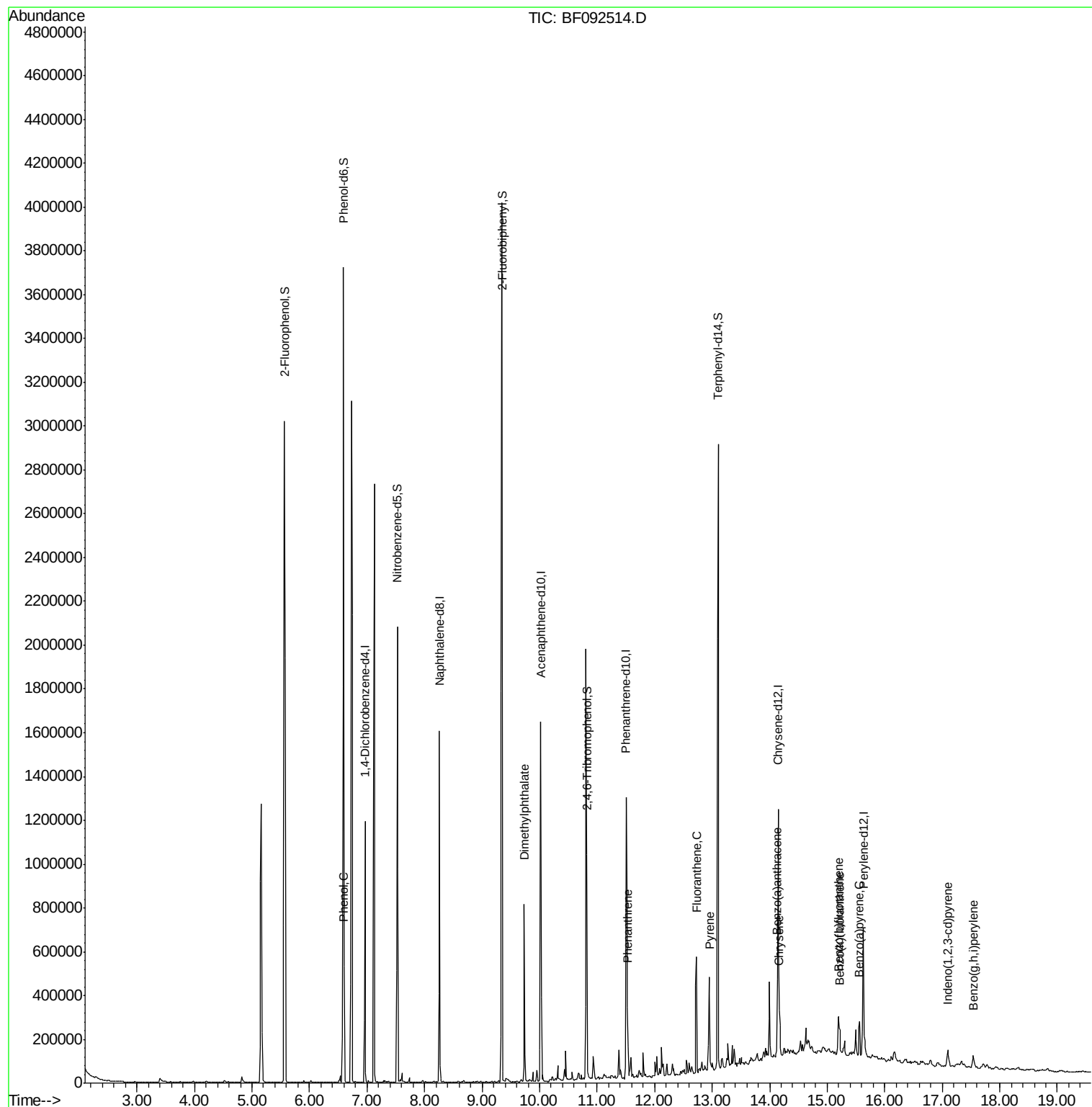
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
Data File : BF092514.D
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Operator : SJ/MA
Sample : I1312-11
Misc :
ALS Vial : 5 Sample Multiplier: 1

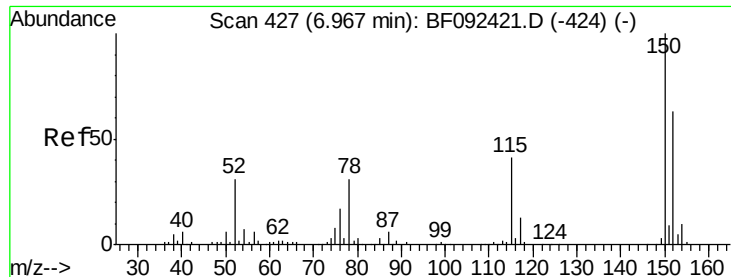
Instrument :
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#1

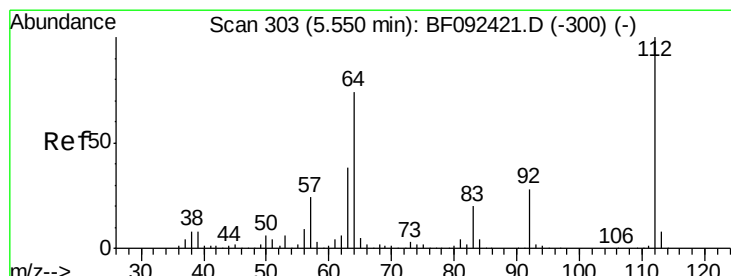
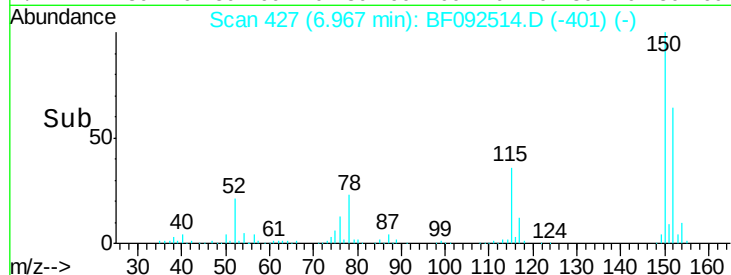
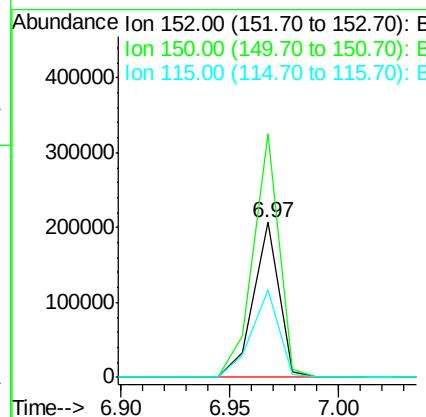
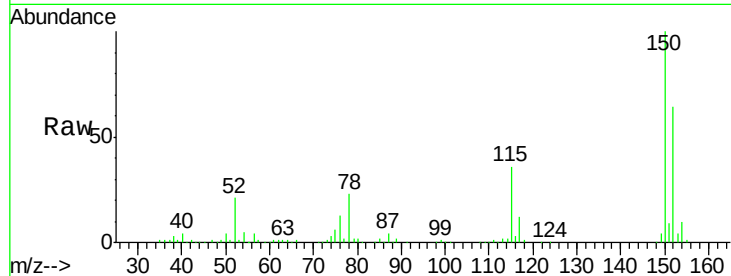
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Instrument :
BNA_F
ClientSampleId :
CAS-SB-03-5-7

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.9	187.3
115	56.3	46.0	69.0

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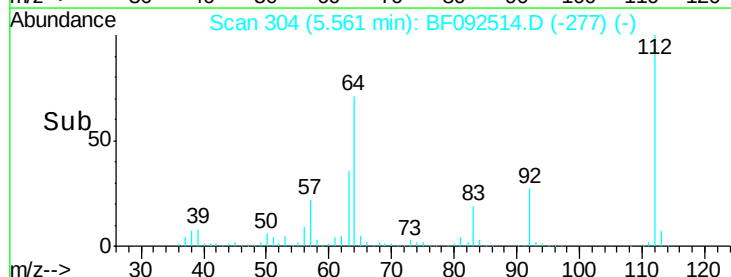
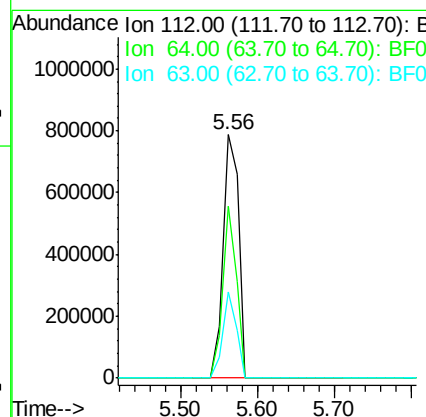
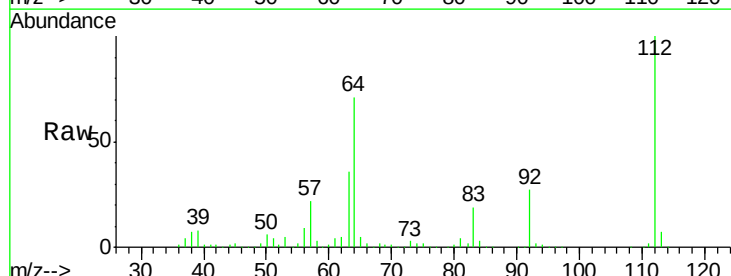
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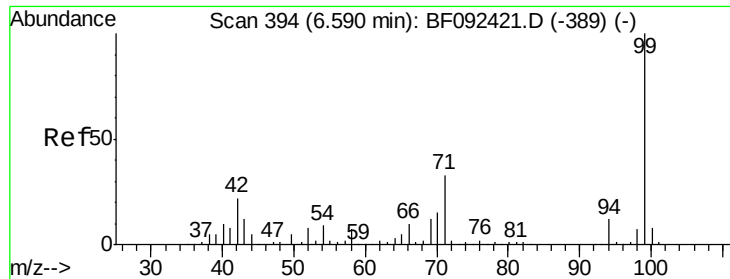


#5

2-Fluorophenol
Concen: 101.63 ng
RT: 5.56 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.8	46.1	69.1#
63	35.7	23.8	35.6#





#7

Phenol-d6

Concen: 97.89 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF092514.D

Acq: 26 Jan 2017 9:57

Instrument :

BNA_F

ClientSampleId :

CAS-SB-03-5-7

Tot Ion: 99 Resp: 1364483

Ion Ratio Lower Upper

99 100

42 20.6 15.6 23.4

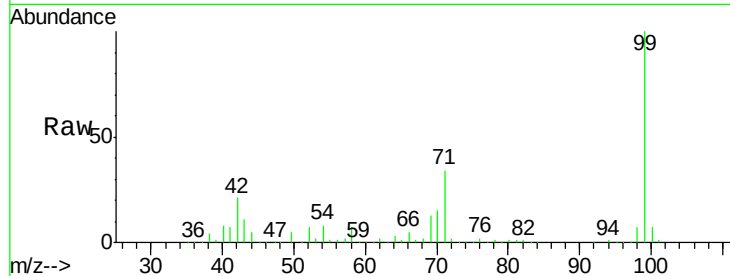
71 33.6 27.5 41.3

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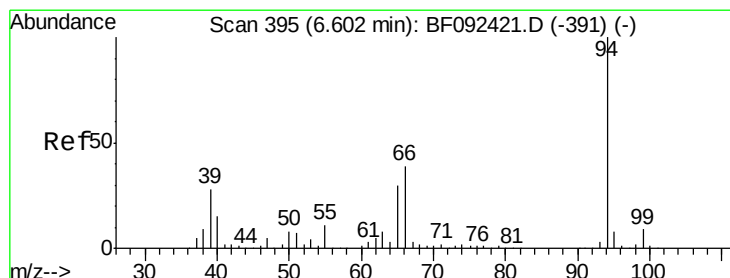
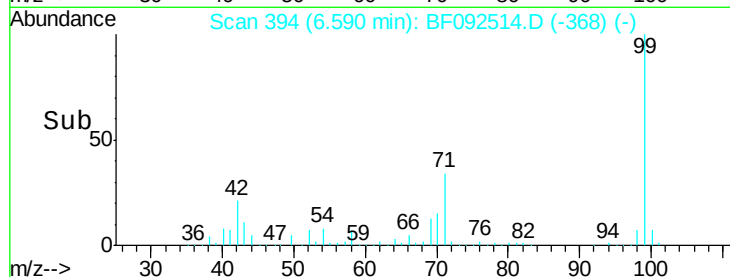
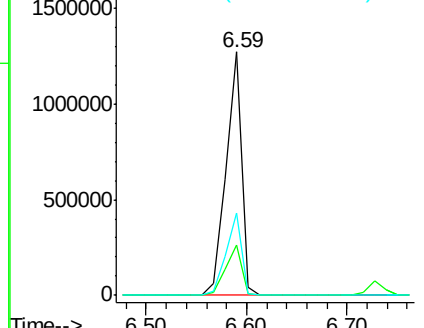
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 6.68 ng

RT: 6.60 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF092514.D

Acq: 26 Jan 2017 9:57

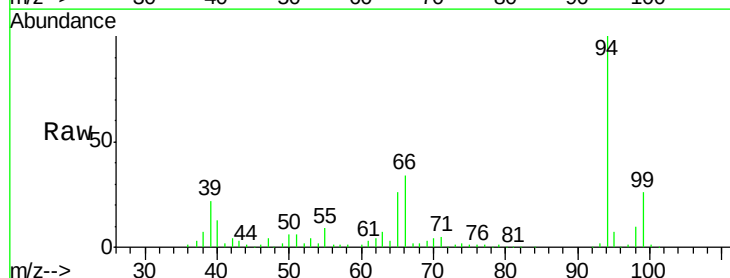
Tgt Ion: 94 Resp: 112410

Ion Ratio Lower Upper

94 100

65 25.7 21.4 61.4

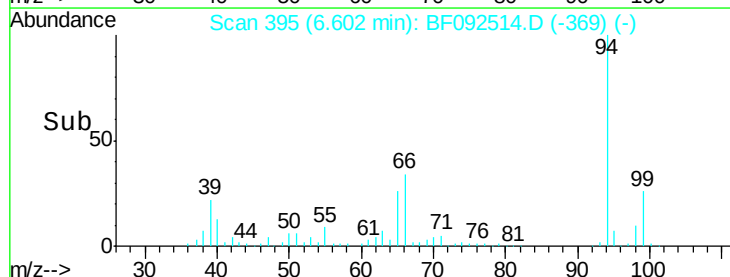
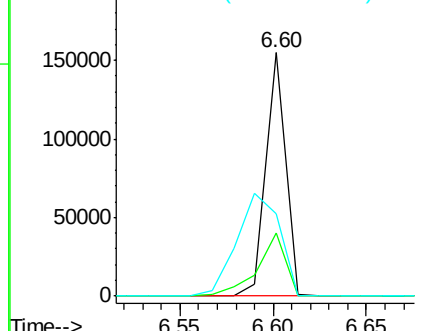
66 34.1 44.0 84.0#

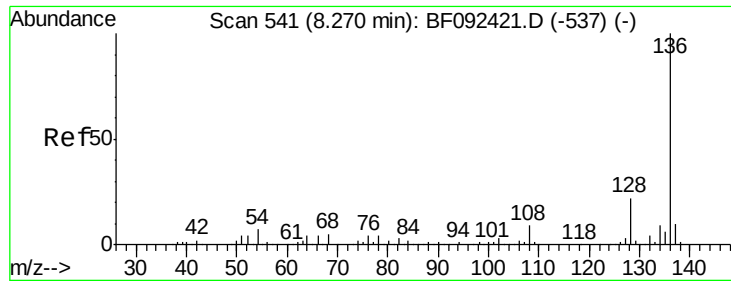


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





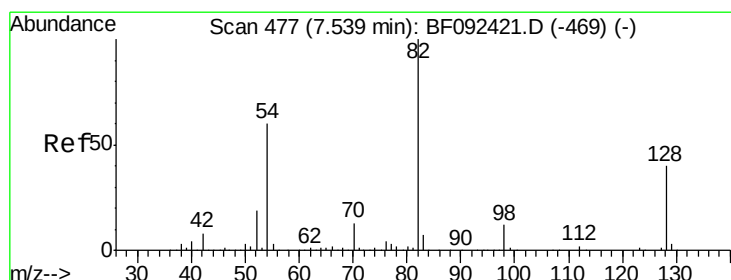
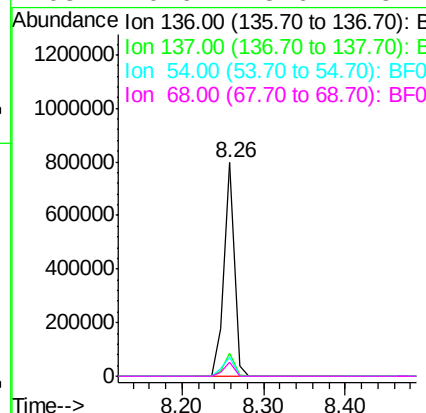
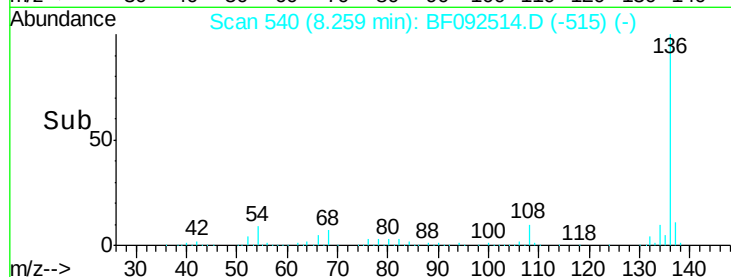
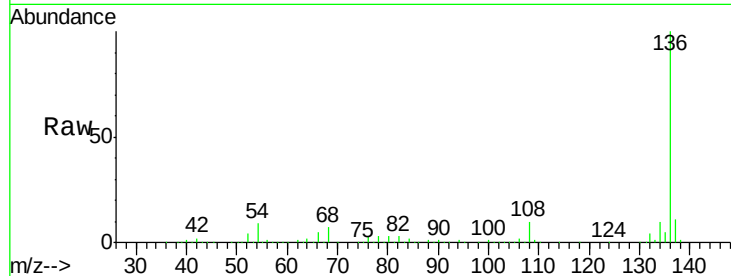
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Instrument :
BNA_F
ClientSampleId :
CAS-SB-03-5-7

Tot Ion	Ratio	Resp	Lower	Upper
136	100	698504		
137	10.8	8.4	12.6	
54	9.2	4.5	6.7#	
68	6.6	3.6	5.4#	

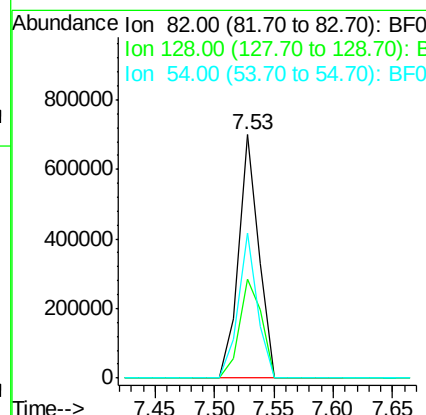
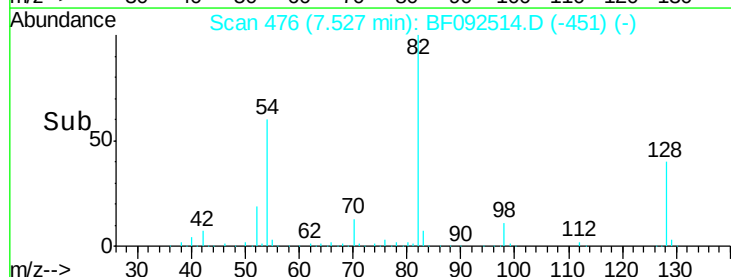
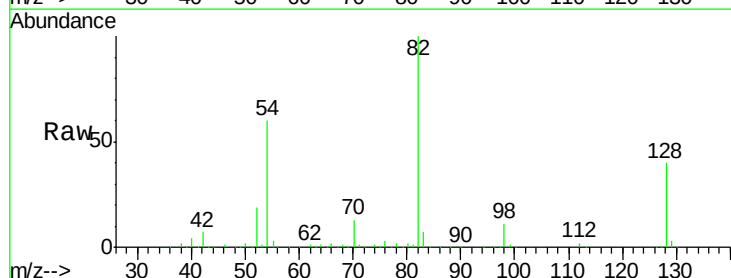
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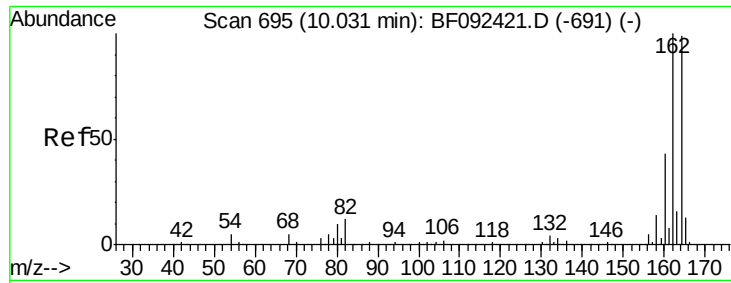
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#23
Nitrobenzene-d5
Concen: 64.58 ng
RT: 7.53 min Scan# 476
Delta R.T. -0.01 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	825822		
128	40.5	34.6	52.0	
54	59.8	39.5	59.3#	





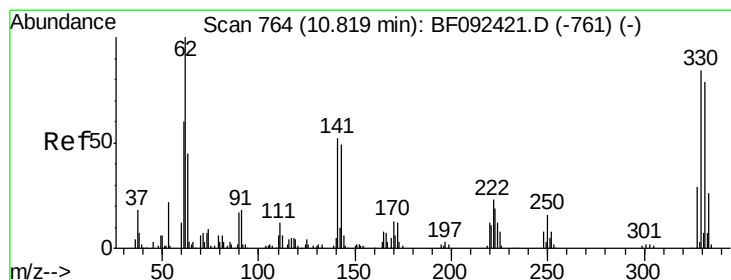
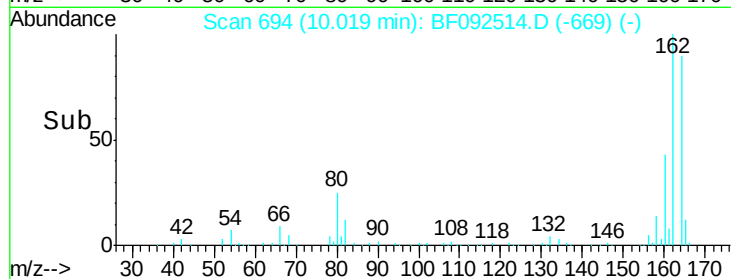
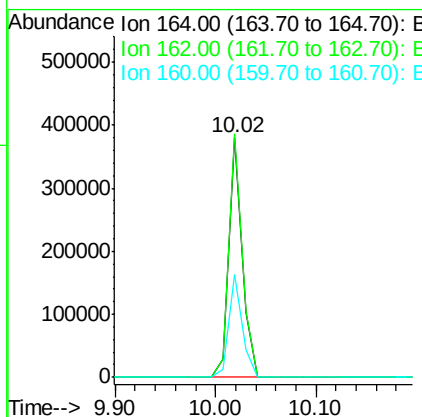
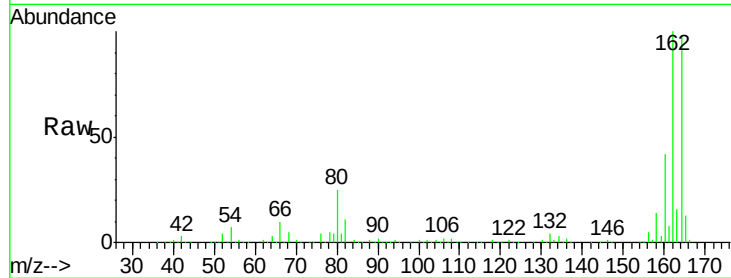
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.02 min Scan# 694
Delta R.T. -0.01 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Instrument :
BNA_F
ClientSampleId :
CAS-SB-03-5-7

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.6	80.2	120.2	
160	43.1	36.9	55.3	

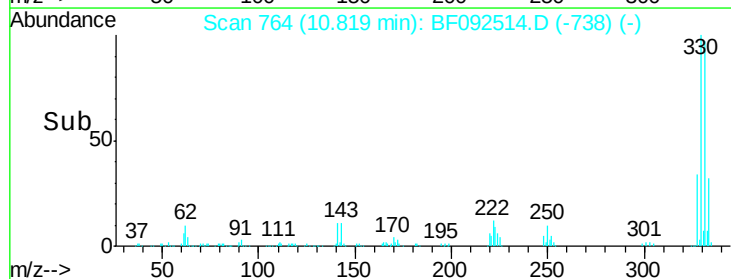
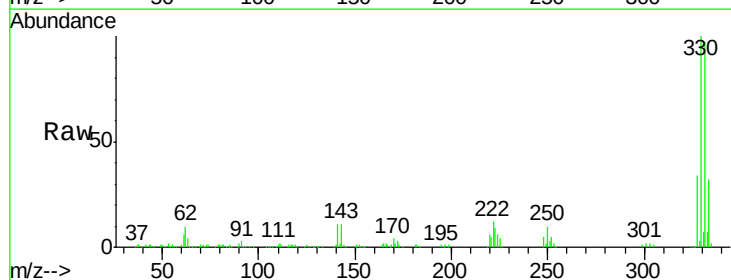
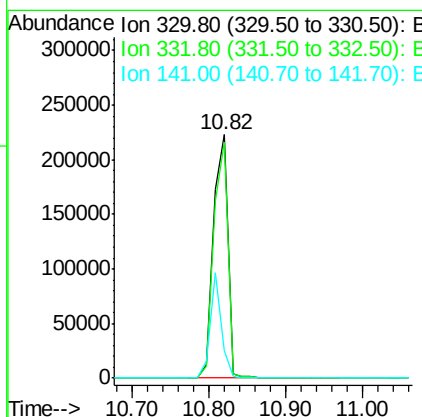
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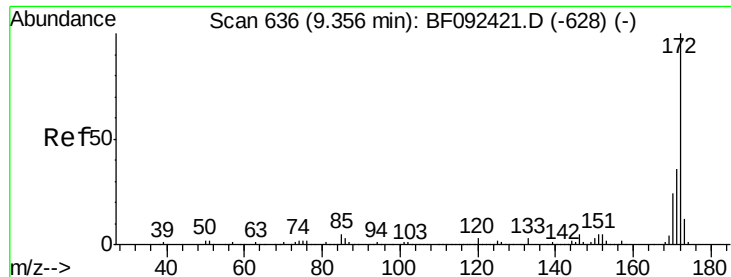
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#41
2,4,6-Tribromophenol
Concen: 119.25 ng
RT: 10.82 min Scan# 764
Delta R.T. -0.00 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.3	77.4	116.2	
141	33.8	34.1	51.1#	





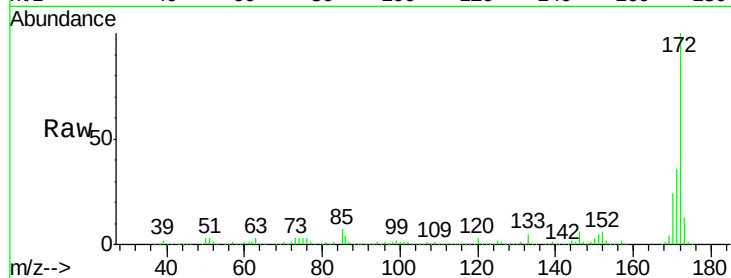
#44
2-Fluorobiphenyl
Concen: 73.88 ng
RT: 9.34 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Instrument :
BNA_F
ClientSampleId :
CAS-SB-03-5-7

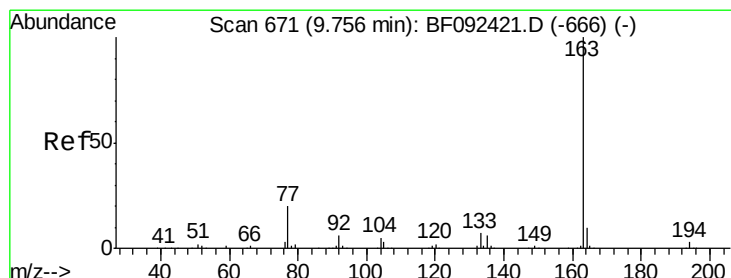
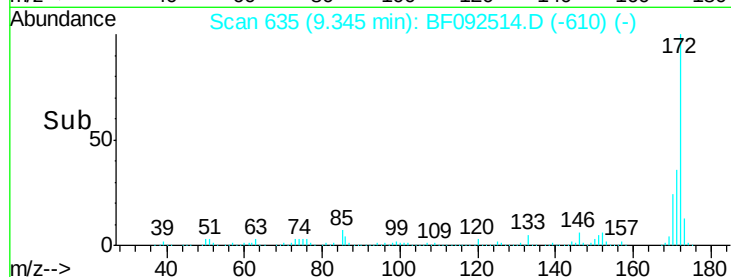
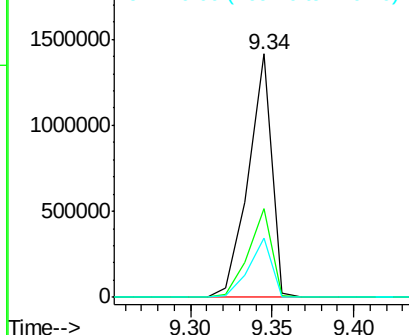
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	24.3	20.2	30.4

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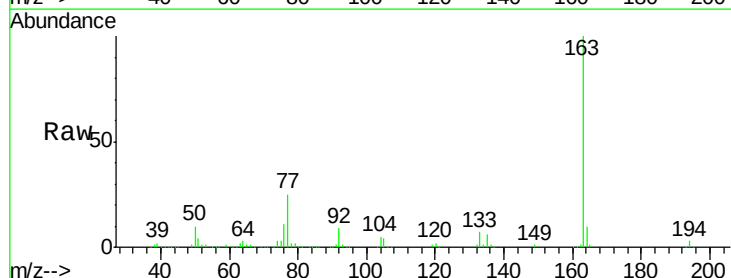


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

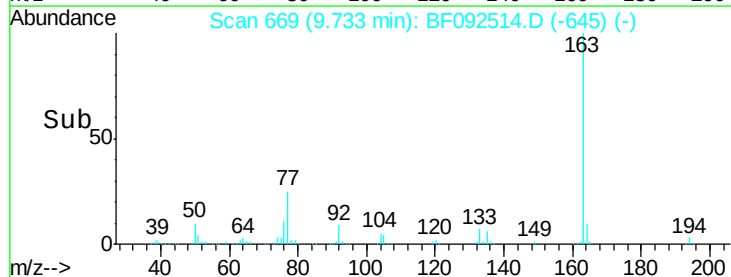
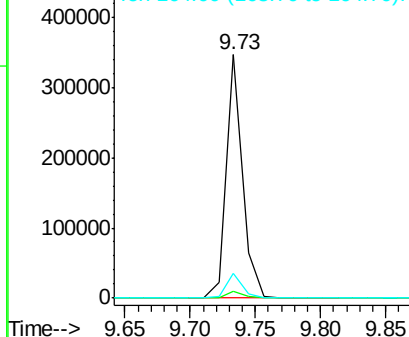


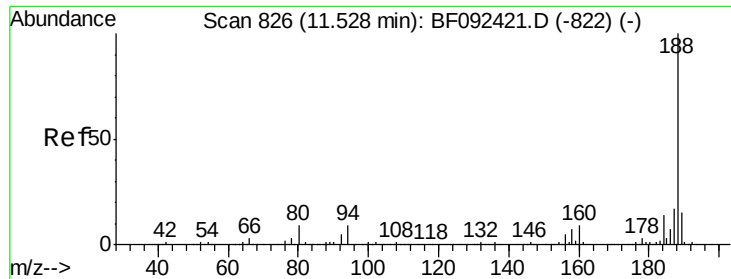
#49
Dimethylphthalate
Concen: 13.36 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.02 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.0	3.0	4.4
164	10.2	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





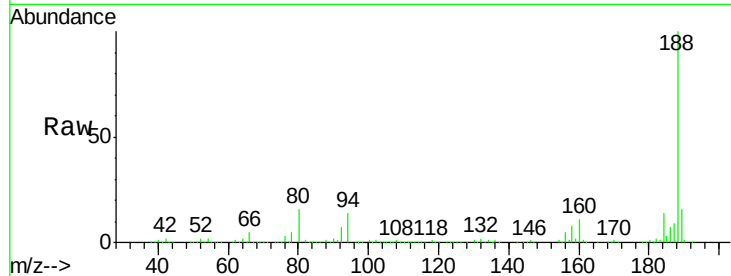
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.50 min Scan# 824
Delta R.T. -0.02 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Instrument :
BNA_F
ClientSampleId :
CAS-SB-03-5-7

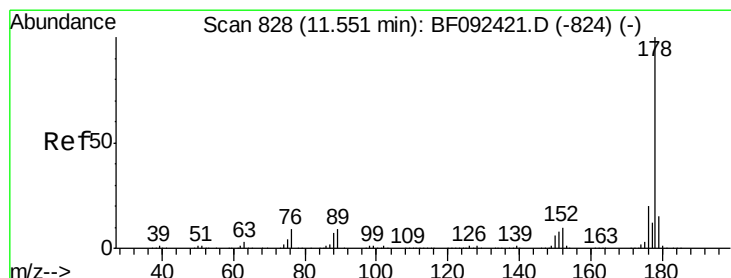
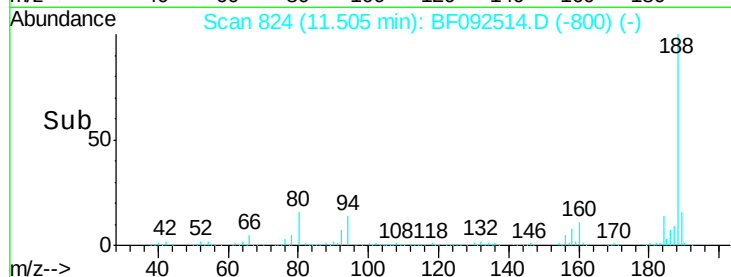
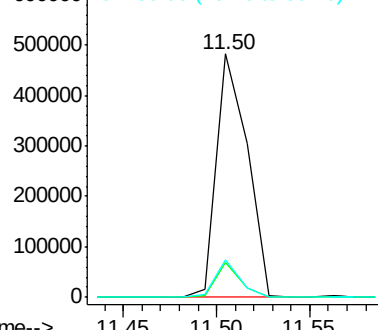
Tot Ion	Ratio	Resp	Lower	Upper
188	100	555580		
94	14.4	10.0	15.0	
80	15.5	11.2	16.8	

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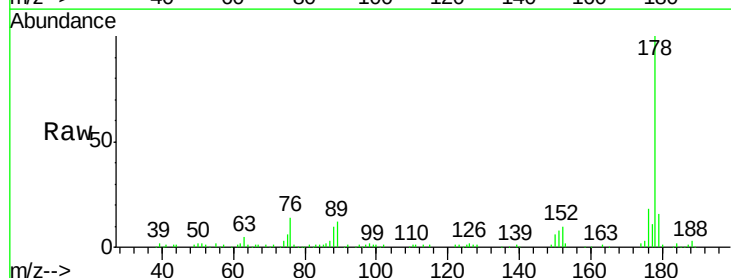


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

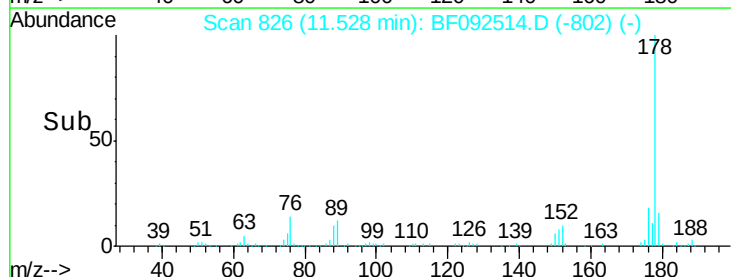
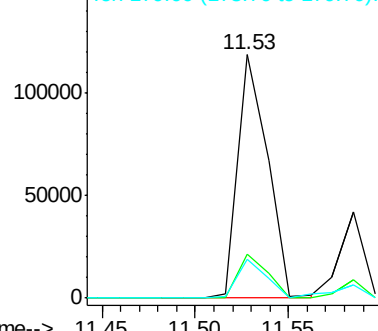


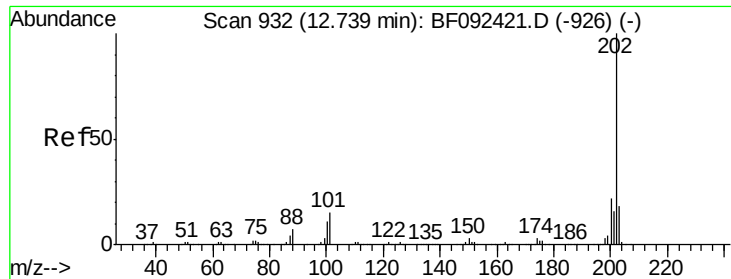
#70
Phenanthrene
Concen: 4.25 ng
RT: 11.53 min Scan# 826
Delta R.T. -0.02 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	130175		
176	18.2	16.6	25.0	
179	15.7	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: 9.38 ng

RT: 12.73 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF092514.D

Acq: 26 Jan 2017 9:57

Instrument :

BNA_F

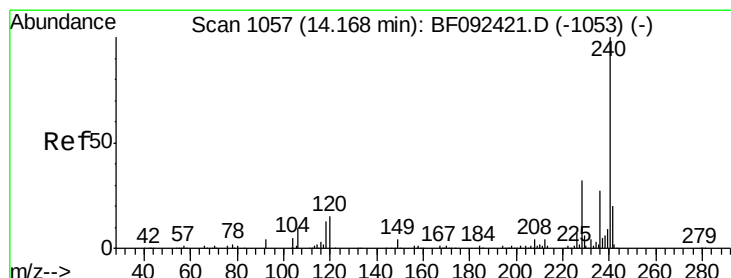
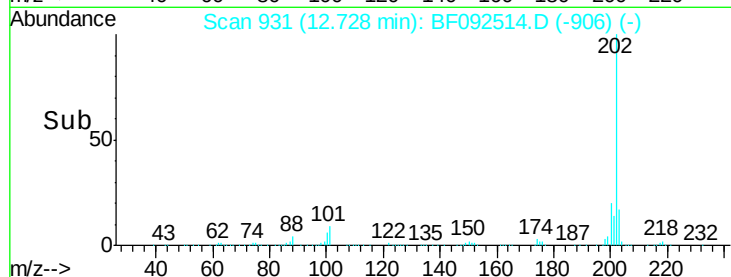
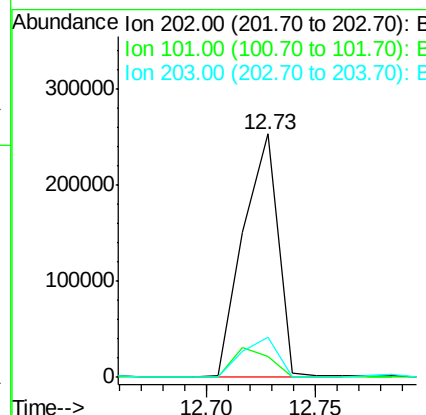
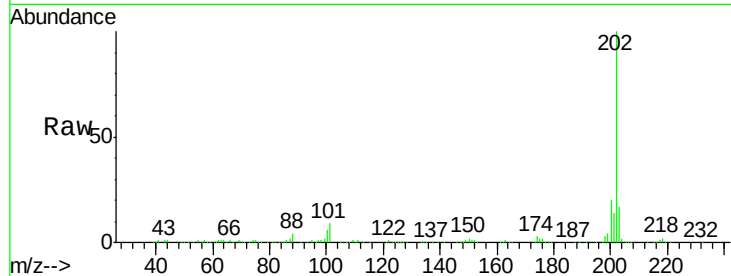
ClientSampleId :

CAS-SB-03-5-7

Tot Ion	Ratio	Resp	Lower	Upper
202	100	280848		
101	8.7	0.0	34.6	
203	16.7	0.0	38.7	

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#75

Chrysene-d12

Concen: 20.00 ng

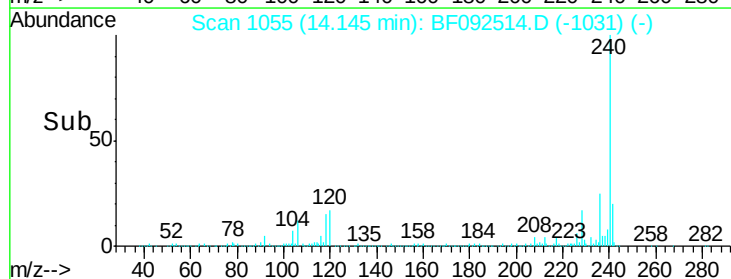
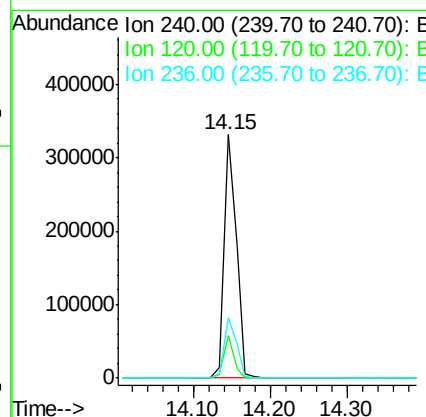
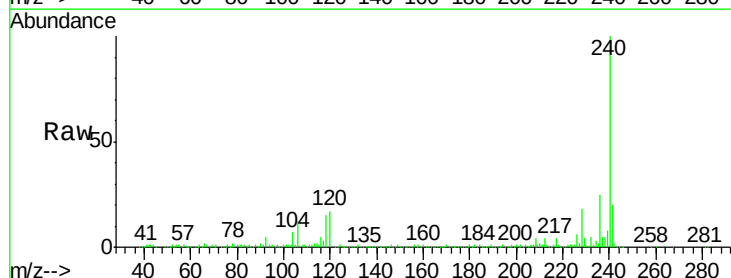
RT: 14.15 min Scan# 1055

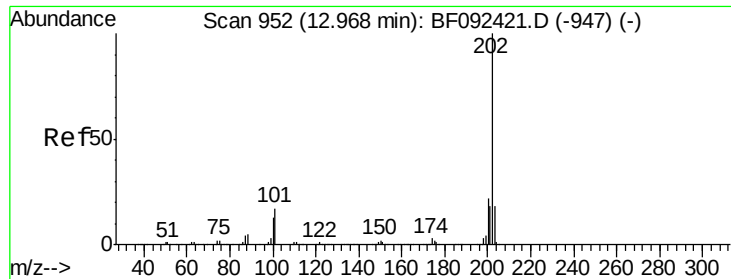
Delta R.T. -0.02 min

Lab File: BF092514.D

Acq: 26 Jan 2017 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	369107		
120	17.3	12.9	19.3	
236	24.8	20.9	31.3	





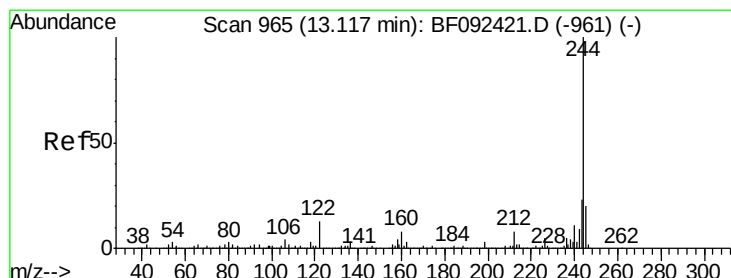
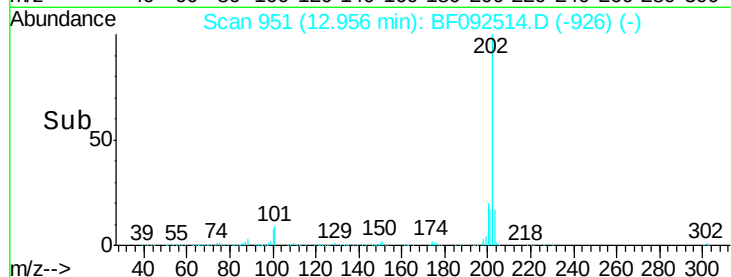
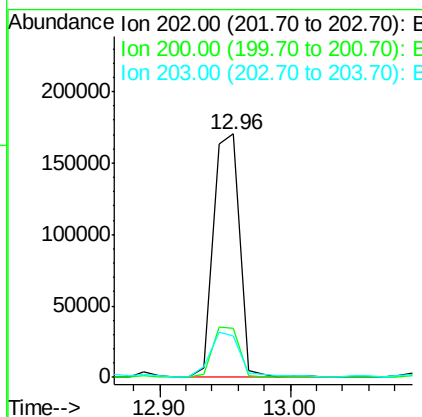
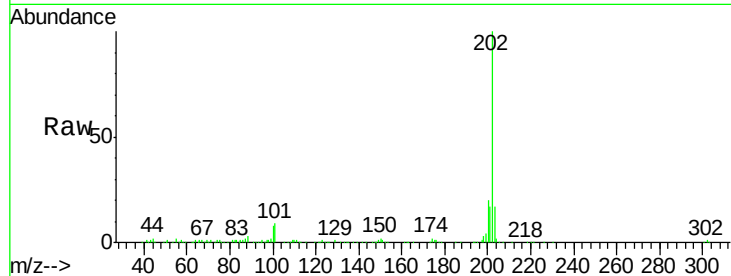
#77
Pvrene
Concen: 8.91 ng
RT: 12.96 min Scan# 951
Delta R.T. -0.01 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Instrument :
BNA_F
ClientSampleId :
CAS-SB-03-5-7

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.7	26.5
203	17.0	14.7	22.1

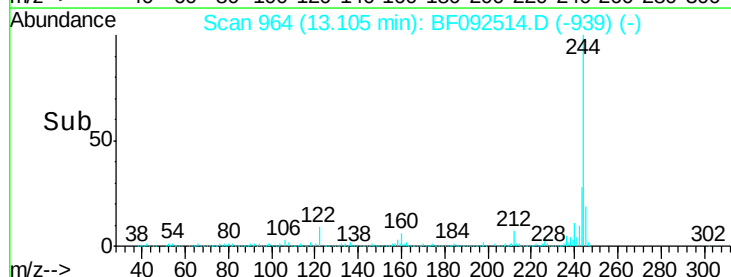
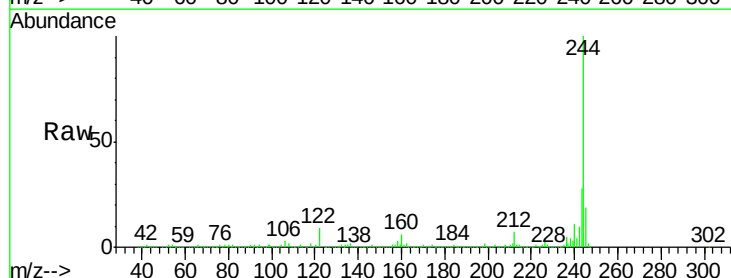
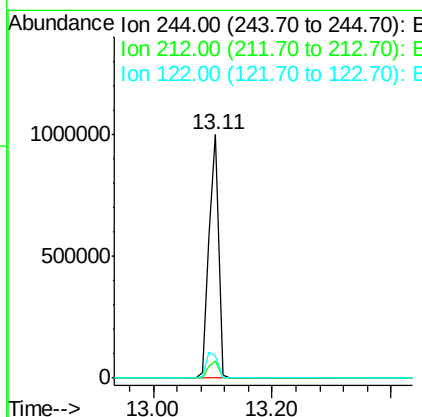
Manual Integrations
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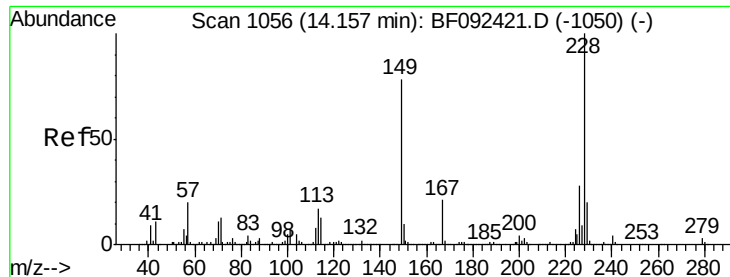
mohammad
1/27/2017 3:02:00 PM



#78
Terphenyl-d14
Concen: 81.04 ng
RT: 13.11 min Scan# 964
Delta R.T. -0.01 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.2	9.2
122	9.0	11.4	17.2





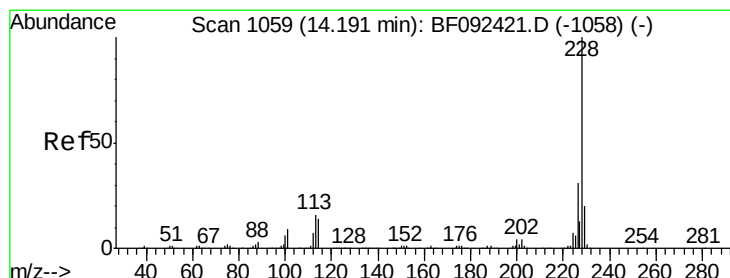
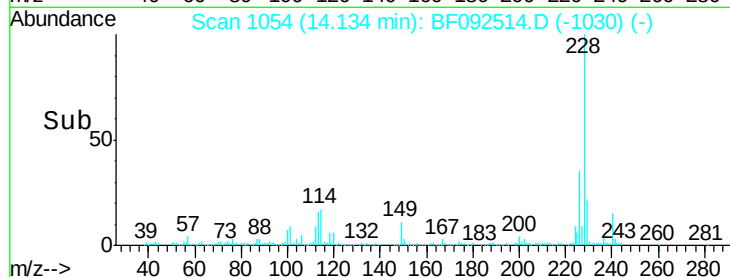
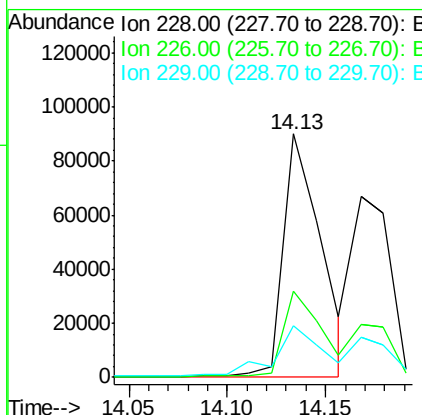
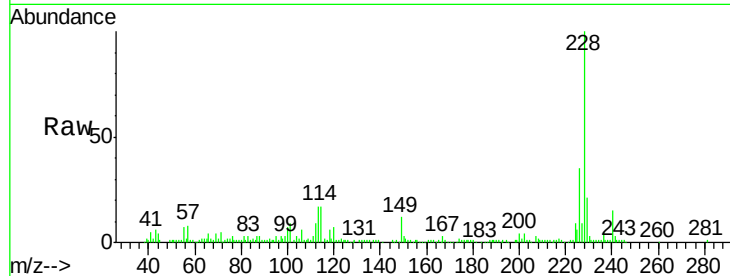
#80
Benzo(a)anthracene
Concen: 6.13 ng
RT: 14.13 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Instrument :
BNA_F
ClientSampleId :
CAS-SB-03-5-7

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.1	22.4	33.6#
229	21.3	16.2	24.4

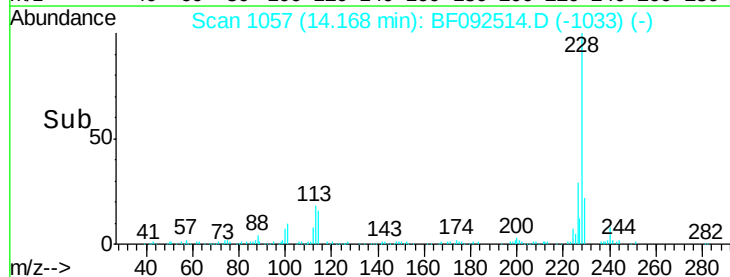
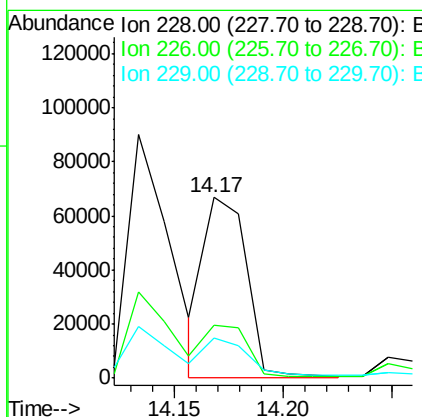
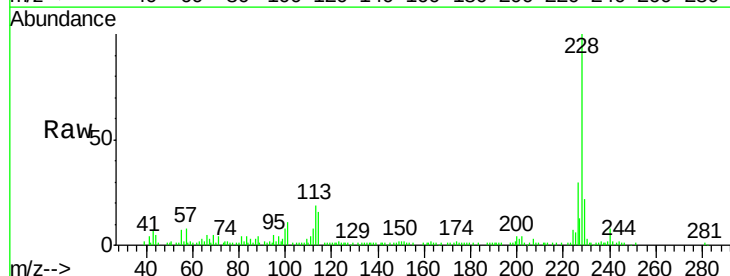
Manual Integrations
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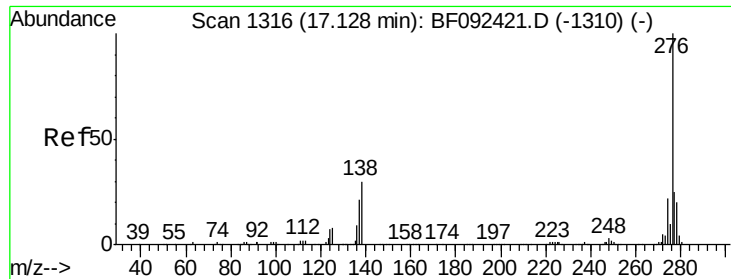
mohammad
1/27/2017 3:02:00 PM



#82
Chrysene
Concen: 4.30 ng
RT: 14.17 min Scan# 1057
Delta R.T. -0.02 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.4	38.0
229	22.3	16.2	24.2





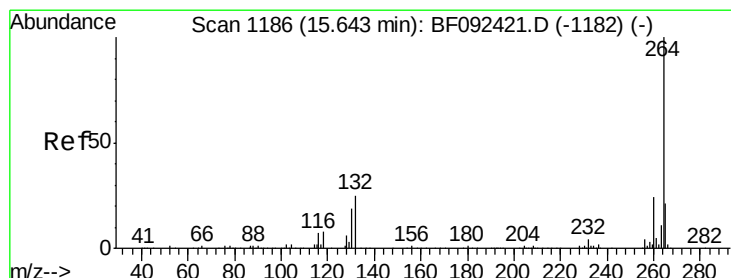
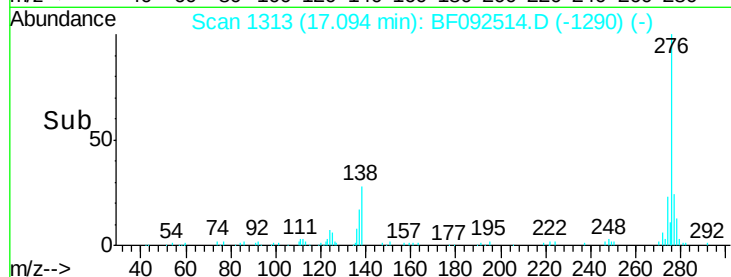
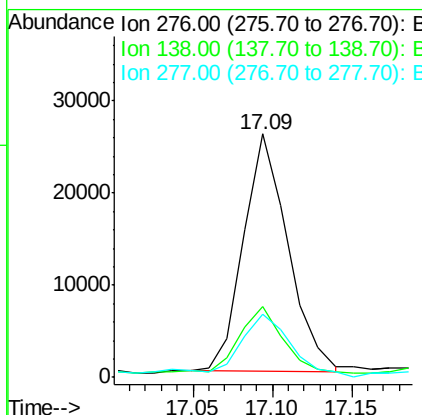
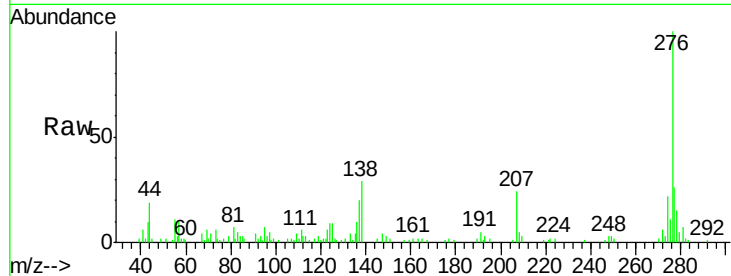
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.19 ng/ml
RT: 17.09 min Scan# 1313
Delta R.T. -0.03 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Instrument :
BNA_F
ClientSampleId :
CAS-SB-03-5-7

Tot Ion	Ratio	Lower	Upper
276	100		
138	6.0	21.8	32.6#
277	7.3	20.2	30.4#

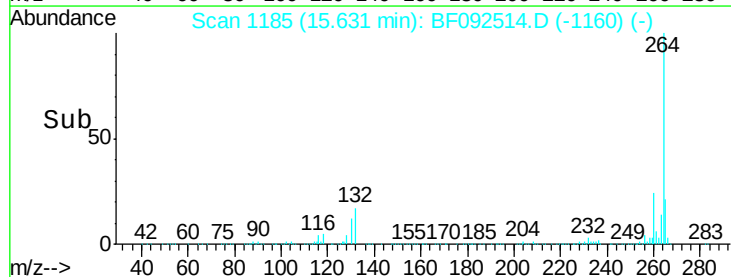
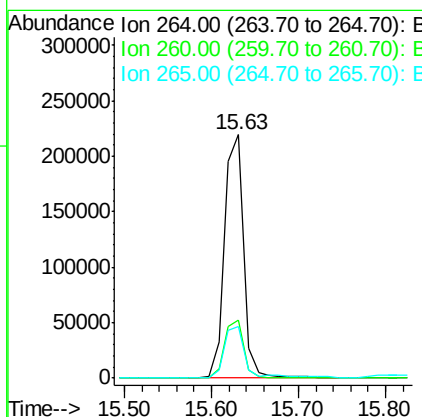
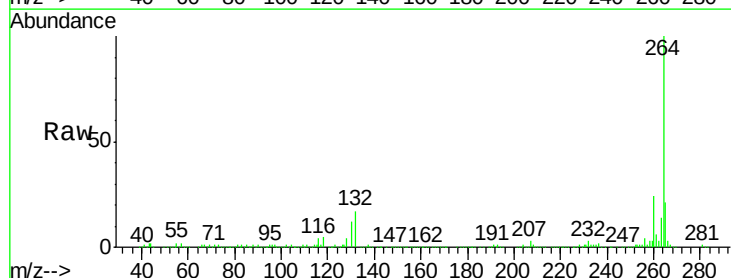
Manual Integrations
APPROVED

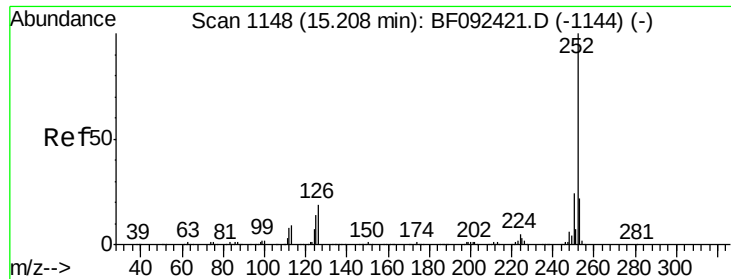
mohammad
1/27/2017 3:02:00 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.63 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.3	17.4	26.0





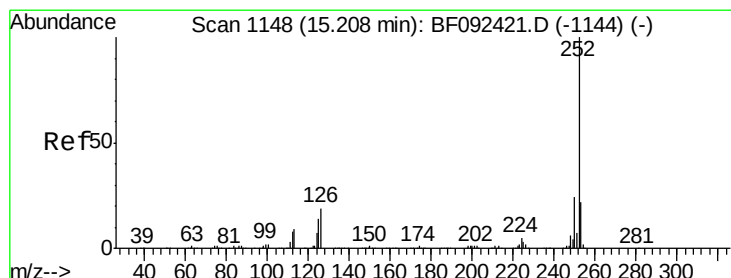
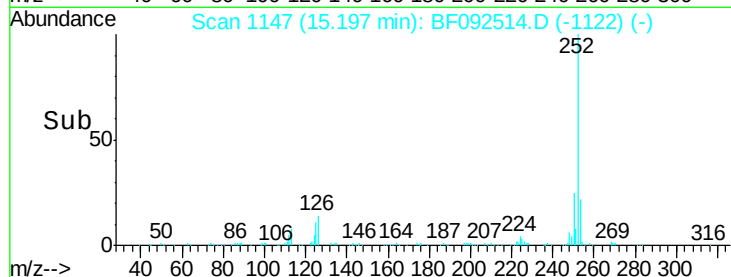
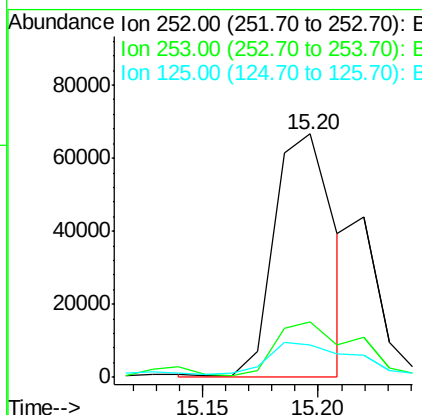
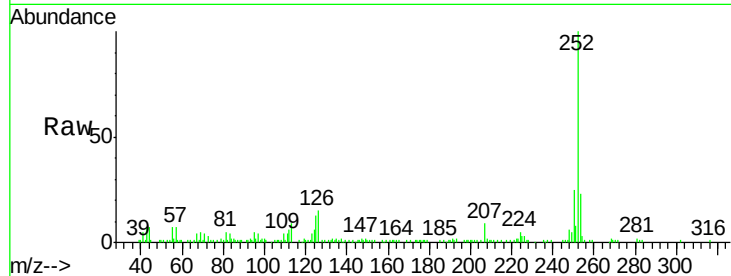
#87
Benzo(b)fluoranthene
Concen: 5.57 ng m
RT: 15.20 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Instrument :
BNA_F
ClientSampleId :
CAS-SB-03-5-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.4
125	13.2	9.8	14.6

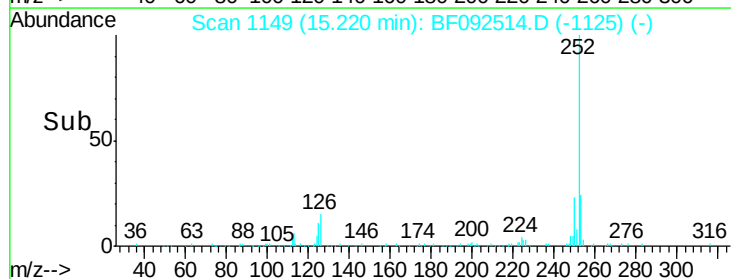
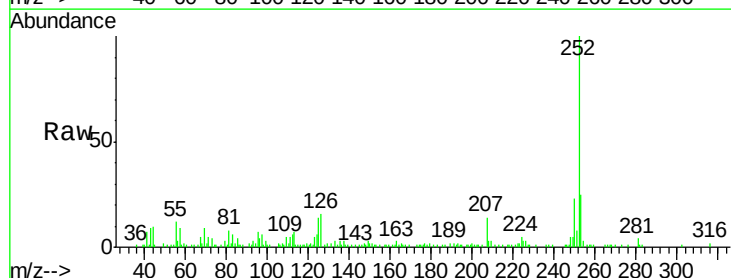
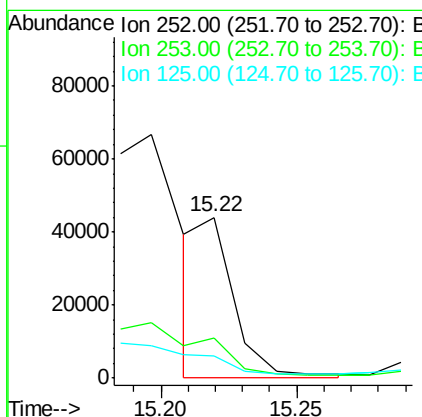
Manual Integrations
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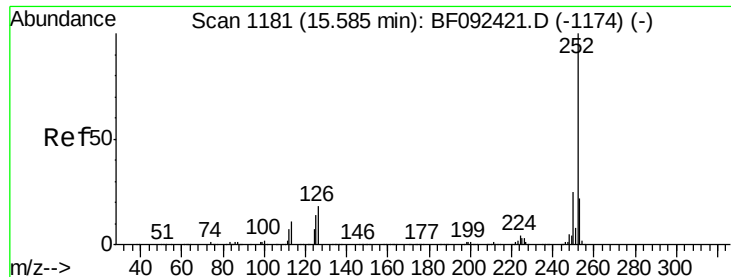
mohammad
1/27/2017 3:02:00 PM



#88
Benzo(k)fluoranthene
Concen: 2.21 ng m
RT: 15.22 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.5	27.7
125	13.9	8.9	13.3#





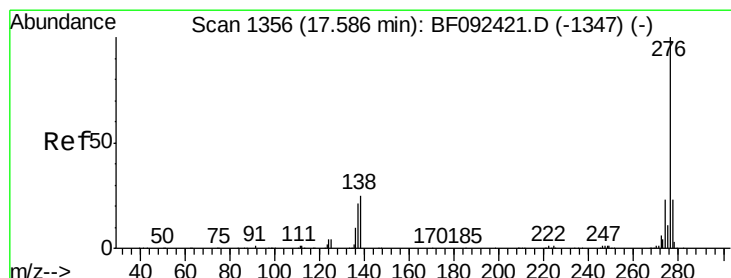
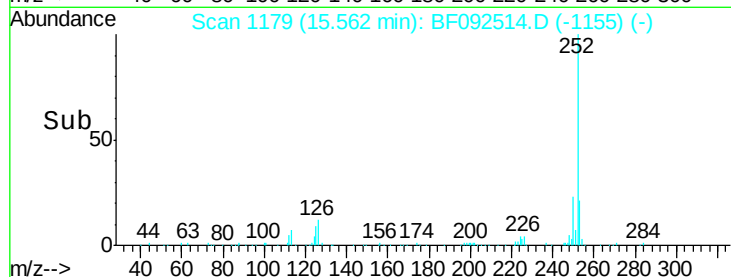
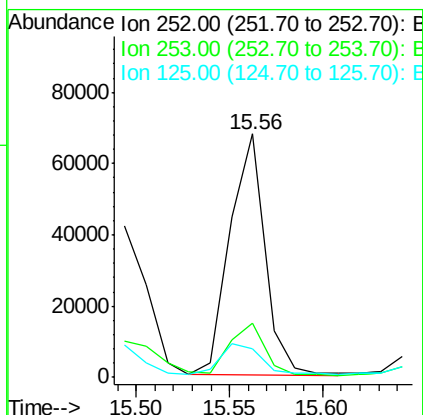
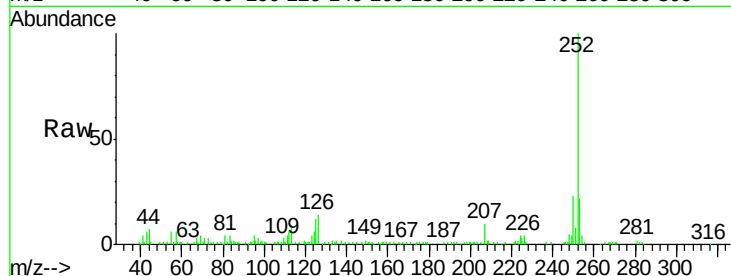
#89
Benzo(a)pyrene
Concen: 4.91 ng
RT: 15.56 min Scan# 1179
Delta R.T. -0.02 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Instrument :
BNA_F
ClientSampleId :
CAS-SB-03-5-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	11.8	10.0	15.0

Manual Integrations
APPROVED

mohammad
1/27/2017 3:02:00 PM



#91
Benzo(g,h,i)perylene
Concen: 3.39 ng
RT: 17.54 min Scan# 1352
Delta R.T. -0.05 min
Lab File: BF092514.D
Acq: 26 Jan 2017 9:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.6	19.2	28.8
138	28.7	16.0	24.0

