

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
 Data File : BF092513.D
 Acq On : 26 Jan 2017 9:29
 Operator : SJ/MA
 Sample : I1312-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CAS-SB-02-5-7

Manual Integrations
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 1/27/2017 3:01:57 PM

Quant Time: Jan 26 17:22:40 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	164206	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	591887	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	335192	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	533723	20.00	ng	-0.01
75) Chrysene-d12	14.16	240	353043	20.00	ng	-0.01
86) Perylene-d12	15.63	264	340012	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	1018539	96.51	ng	0.01
7) Phenol-d6	6.59	99	1353773	100.70	ng	0.00
23) Nitrobenzene-d5	7.53	82	869246	80.22	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	281500	123.24	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1144993	63.17	ng	-0.01
78) Terphenyl-d14	13.10	244	985179	74.31	ng	-0.01
Target Compounds						
10) Phenol	6.60	94	111525	6.87	ng	Qvalue # 67
31) Naphthalene	8.28	128	178539	5.89	ng	98
37) 2-Methylnaphthalene	8.98	142	193177	10.07	ng	98
49) Dimethylphthalate	9.74	163	300221	14.08	ng	# 94
70) Phenanthrene	11.54	178	323092	10.99	ng	96
71) Anthracene	11.58	178	106821	3.72	ng	99
74) Fluoranthene	12.73	202	456080	15.86	ng	98
77) Pyrene	12.96	202	439519	17.18	ng	99
80) Benzo(a)anthracene	14.15	228	198335	10.45	ng	95
82) Chrysene	14.18	228	170418m	8.41	ng	
83) Bis(2-ethylhexyl)phthalate	14.13	149	66599	5.10	ng	99
85) Indeno(1,2,3-cd)pyrene	17.11	276	105322	7.03	ng	96
87) Benzo(b)fluoranthene	15.20	252	206308m	9.45	ng	
88) Benzo(k)fluoranthene	15.21	252	91674m	5.05	ng	
89) Benzo(a)pyrene	15.56	252	170393	9.23	ng	# 97
91) Benzo(g,h,i)perylene	17.55	276	102299	6.77	ng	# 91

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

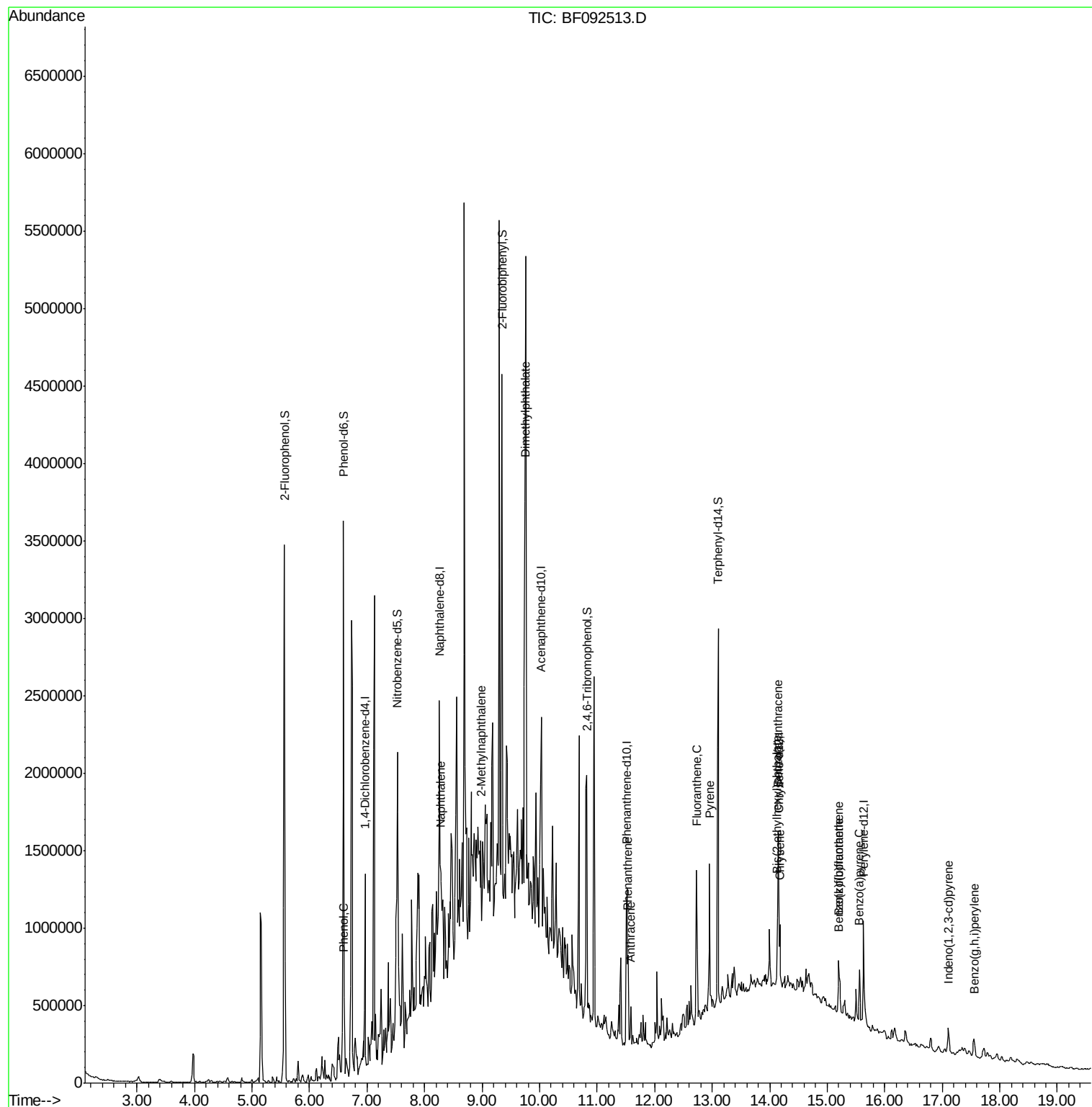
Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
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ALS Vial : 4 Sample Multiplier: 1

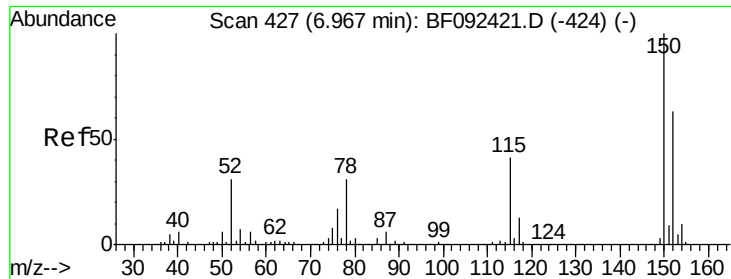
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#1

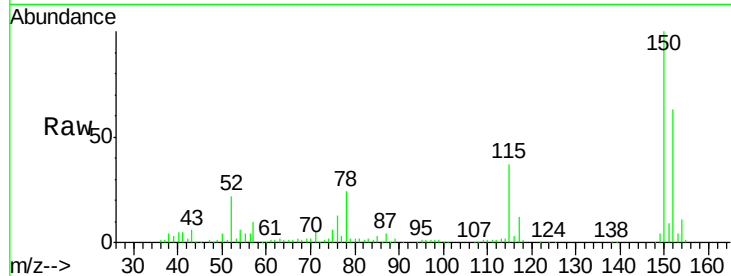
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF092513.D
Acq: 26 Jan 2017 9:29

Instrument :
BNA_F
ClientSampleId :
CAS-SB-02-5-7

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.9	187.3
115	58.6	46.0	69.0

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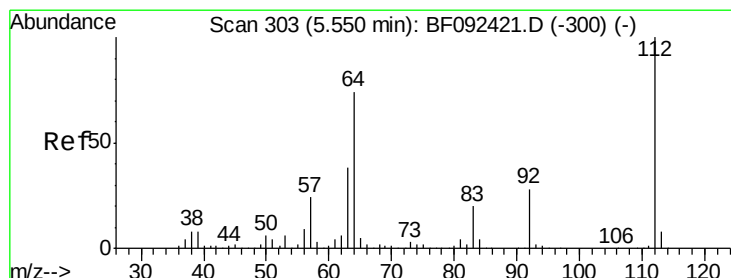
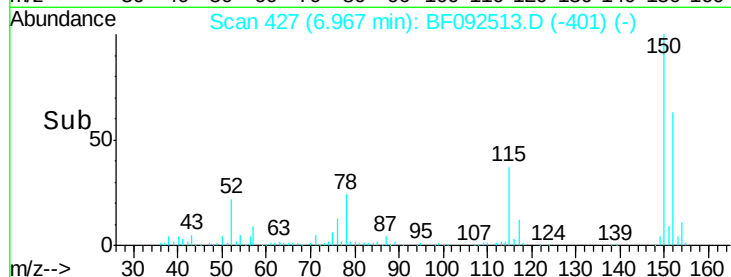
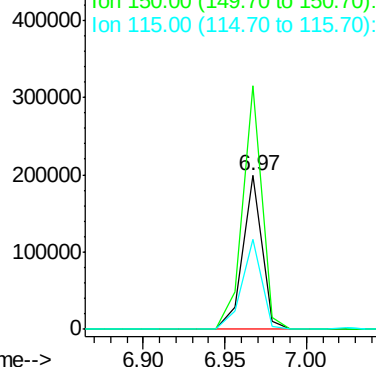


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

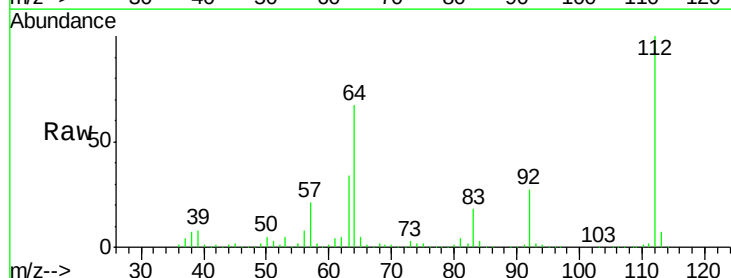
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.51 ng
RT: 5.56 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF092513.D
Acq: 26 Jan 2017 9:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	46.1	69.1
63	33.9	23.8	35.6

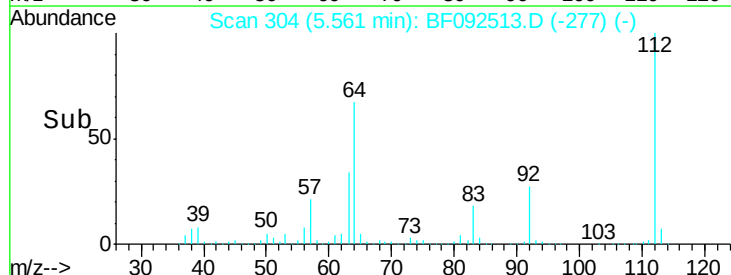
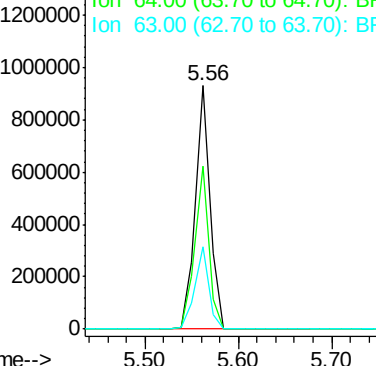


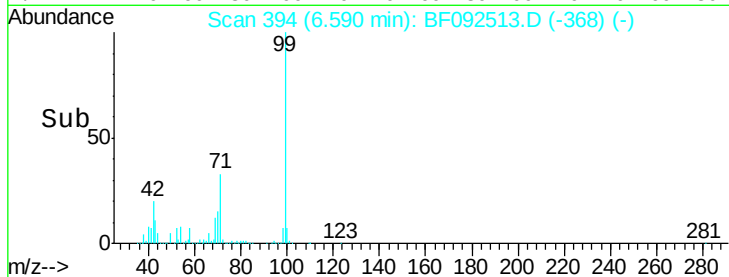
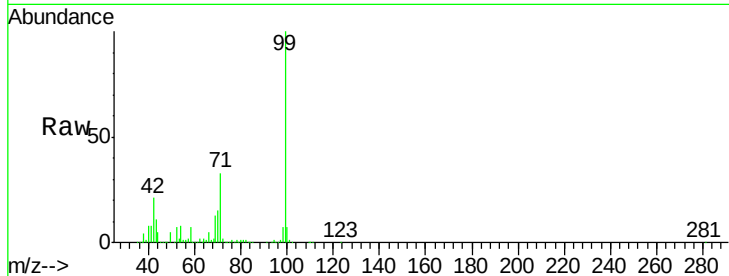
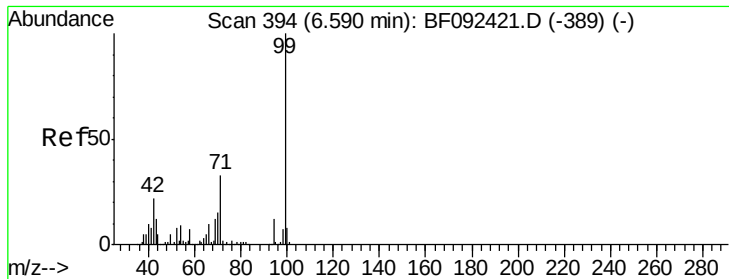
Abundance

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: 100.70 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF092513.D

Acq: 26 Jan 2017 9:29

Tot Ion: 99 Resp: 1353773

Ion Ratio Lower Upper

99 100

42 20.5 15.6 23.4

71 33.4 27.5 41.3

Instrument :

BNA_F

ClientSampleId :

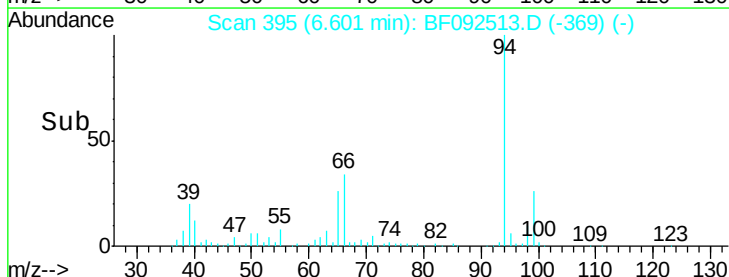
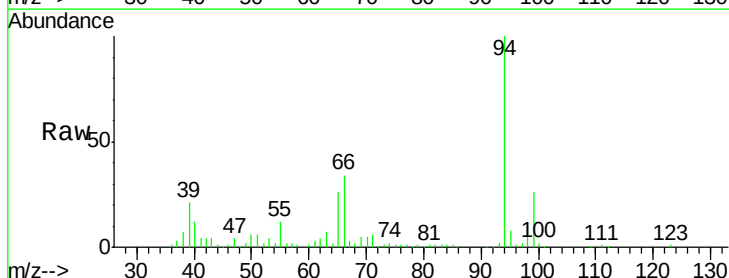
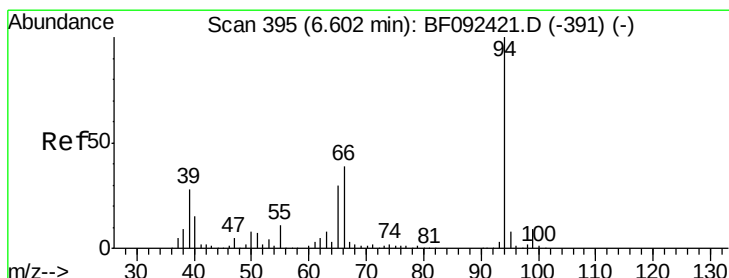
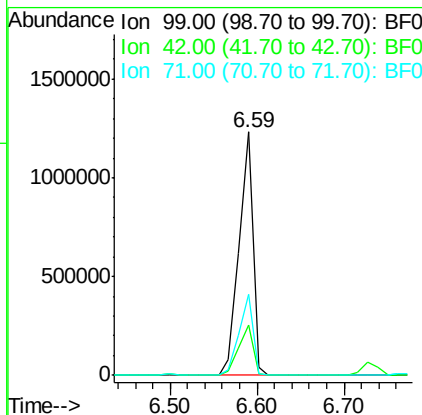
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#10

Phenol

Concen: 6.87 ng

RT: 6.60 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF092513.D

Acq: 26 Jan 2017 9:29

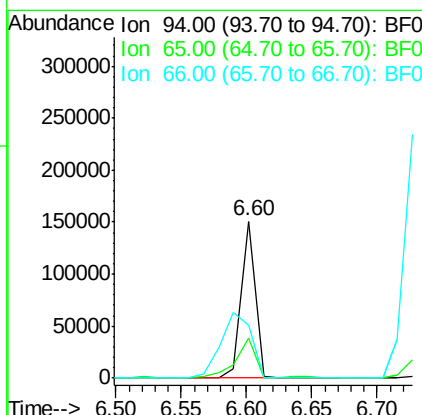
Tgt Ion: 94 Resp: 111525

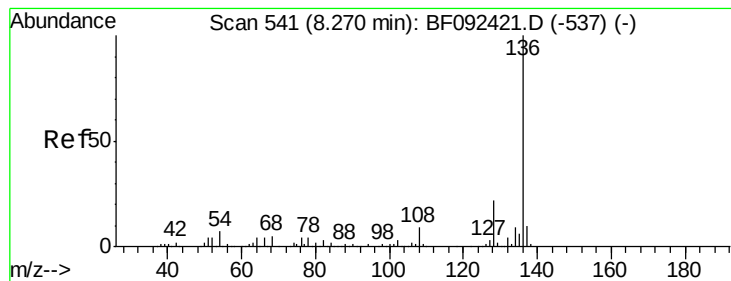
Ion Ratio Lower Upper

94 100

65 25.9 21.4 61.4

66 33.7 44.0 84.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF092513.D

Acq: 26 Jan 2017 9:29

Instrument :

BNA_F

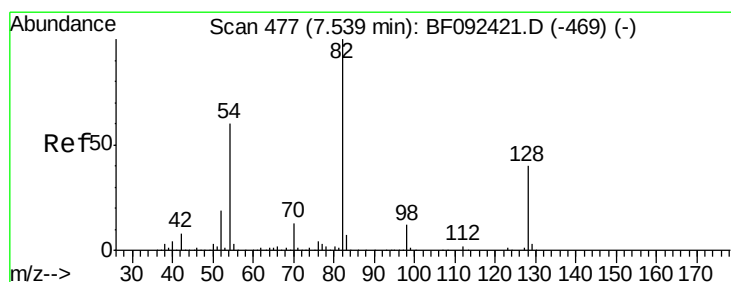
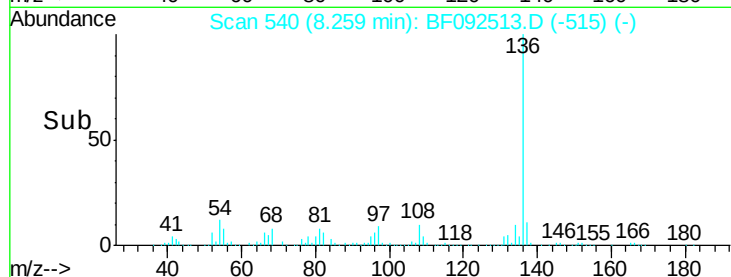
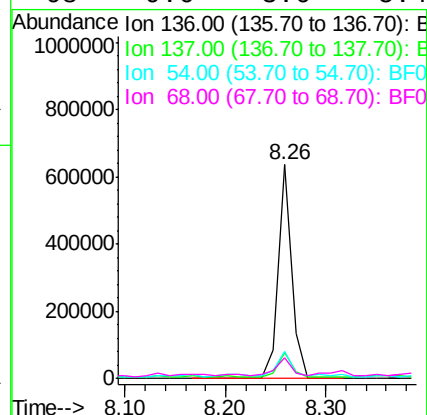
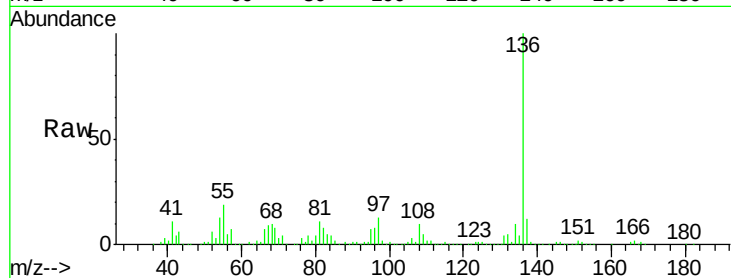
ClientSampleId :

CAS-SB-02-5-7

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.7	8.4	12.6
54	12.8	4.5	6.7#
68	9.6	3.6	5.4#

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#23

Nitrobenzene-d5

Concen: 80.22 ng

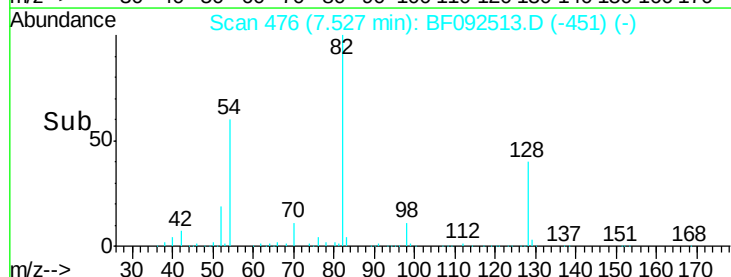
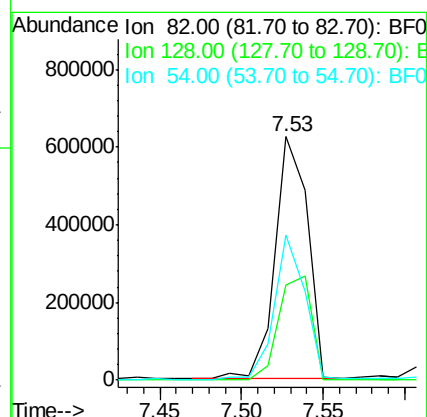
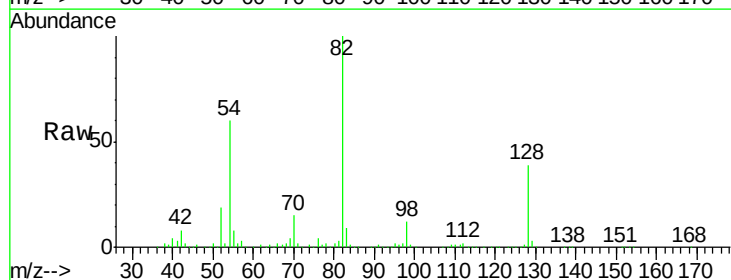
RT: 7.53 min Scan# 476

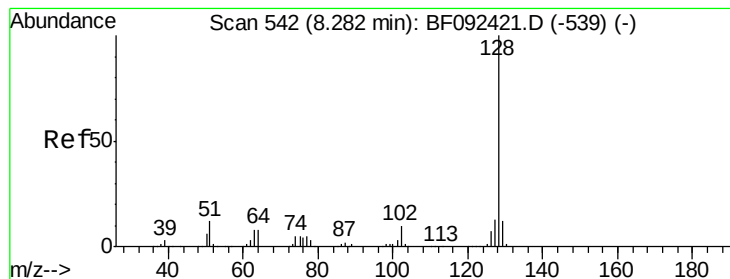
Delta R.T. -0.01 min

Lab File: BF092513.D

Acq: 26 Jan 2017 9:29

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	39.2	34.6	52.0
54	59.7	39.5	59.3#





#31

Naphthalene

Concen: 5.89 ng

RT: 8.28 min Scan# 542

Delta R.T. -0.00 min

Lab File: BF092513.D

Acq: 26 Jan 2017 9:29

Instrument :

BNA_F

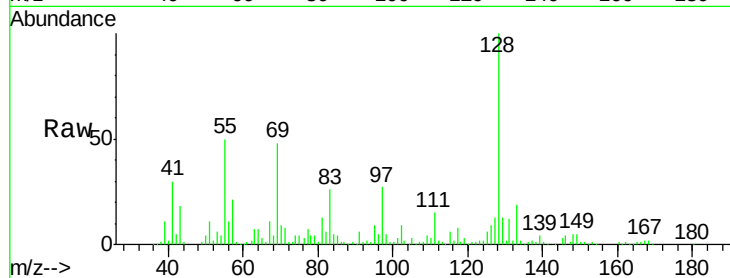
ClientSampled :

CAS-SB-02-5-7

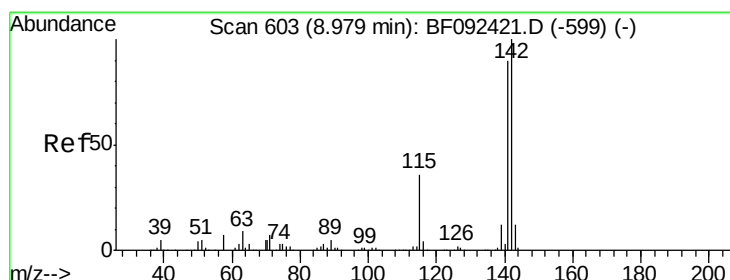
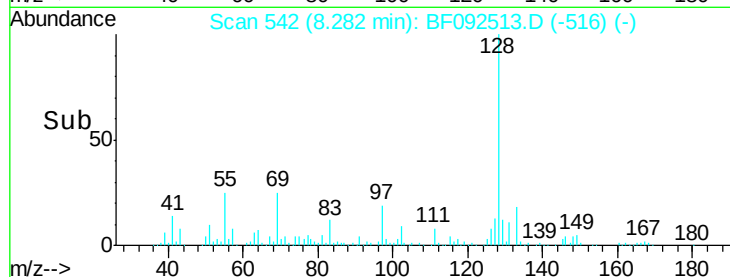
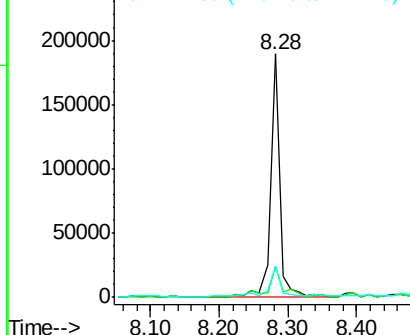
Tot Ion:	128	Resp:	178539
Ion Ratio		Lower	Upper
128	100		
129	12.6	9.5	14.3
127	12.9	10.8	16.2

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 10.07 ng

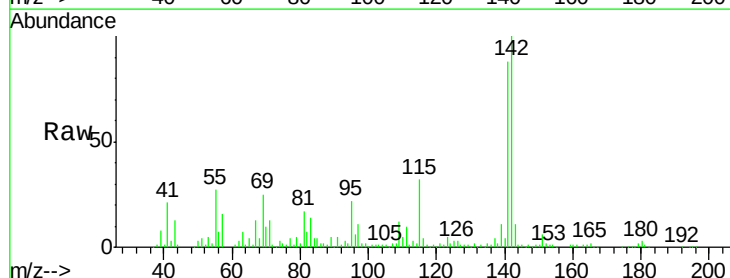
RT: 8.98 min Scan# 603

Delta R.T. -0.00 min

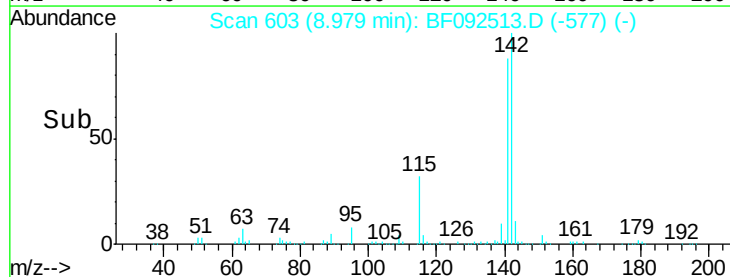
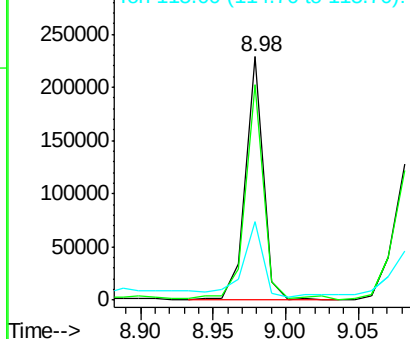
Lab File: BF092513.D

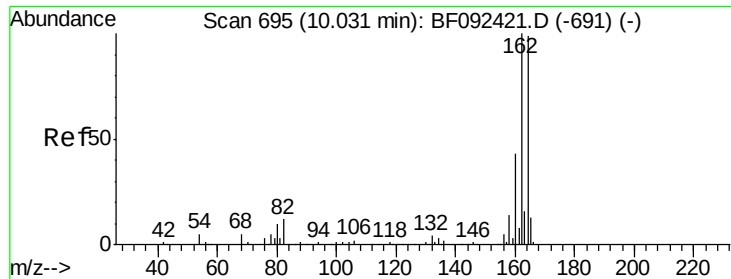
Acq: 26 Jan 2017 9:29

Tgt Ion:	142	Resp:	193177
Ion Ratio		Lower	Upper
142	100		
141	88.5	71.0	106.6
115	32.2	28.3	42.5



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





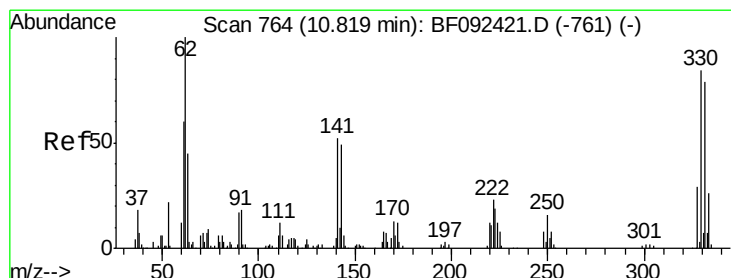
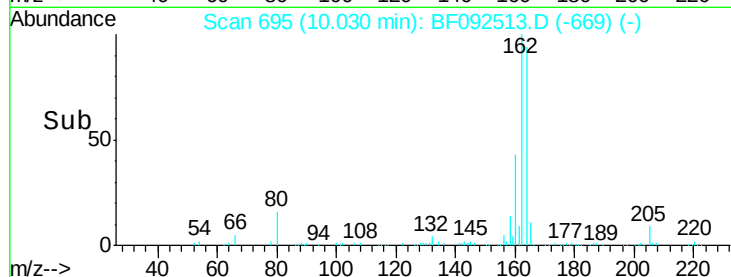
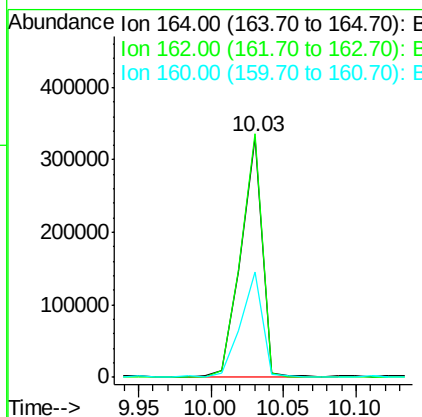
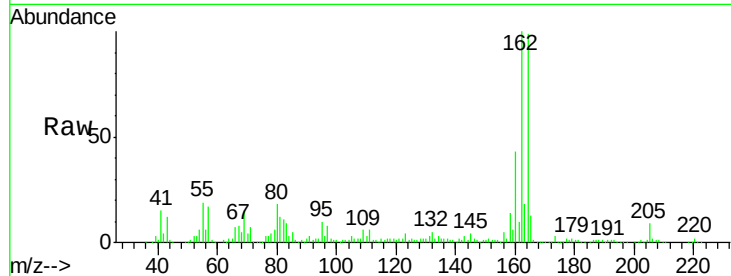
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.00 min
Lab File: BF092513.D
Acq: 26 Jan 2017 9:29

Instrument :
BNA_F
ClientSampleId :
CAS-SB-02-5-7

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.4	80.2	120.2	
160	43.6	36.9	55.3	

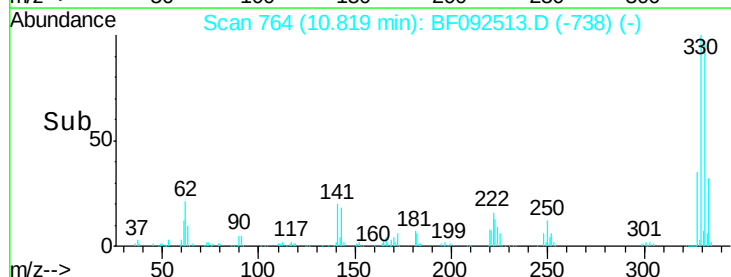
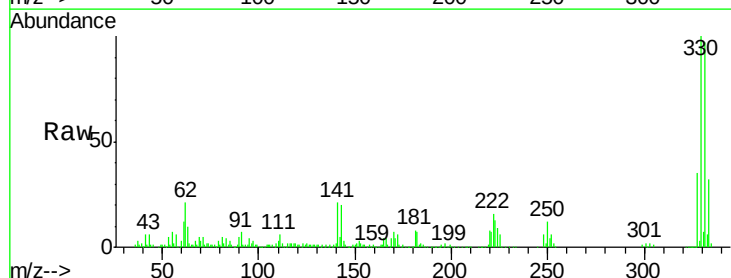
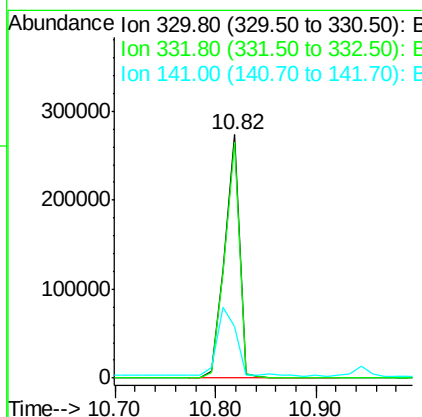
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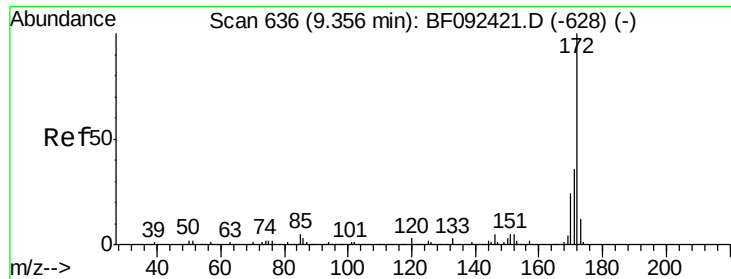
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#41
2,4,6-Tribromophenol
Concen: 123.24 ng
RT: 10.82 min Scan# 764
Delta R.T. -0.00 min
Lab File: BF092513.D
Acq: 26 Jan 2017 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.8	77.4	116.2	
141	37.9	34.1	51.1	





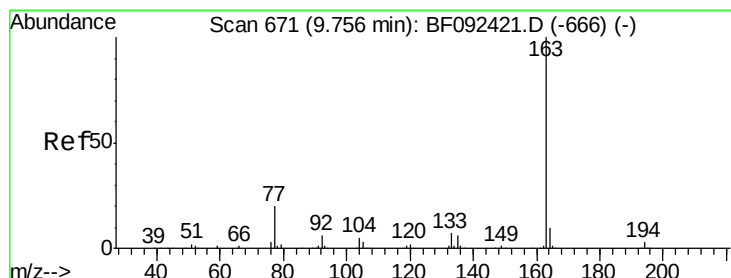
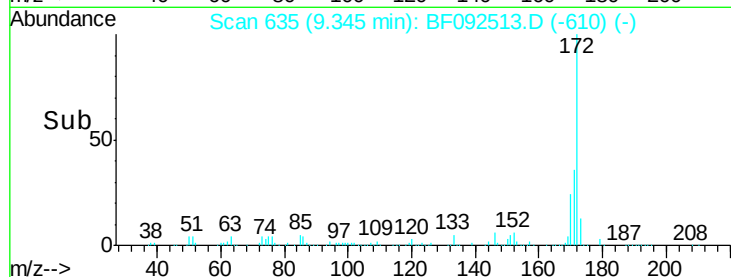
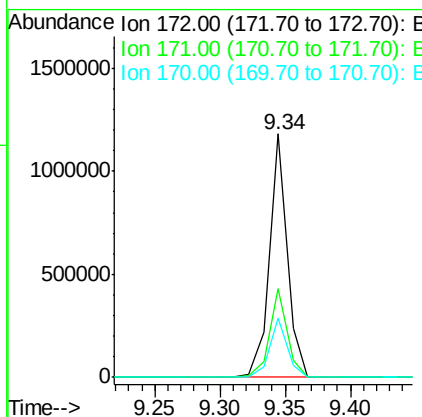
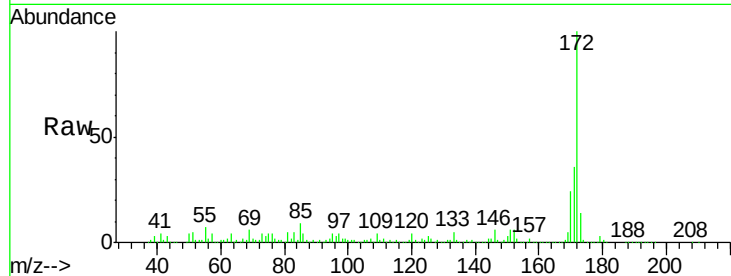
#44
2-Fluorobiphenyl
Concen: 63.17 ng
RT: 9.34 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF092513.D
Acq: 26 Jan 2017 9:29

Instrument :
BNA_F
ClientSampleId :
CAS-SB-02-5-7

Tot Ion:172 Resp: 1144993
Ion Ratio Lower Upper
172 100
171 36.3 29.4 44.0
170 24.2 20.2 30.4

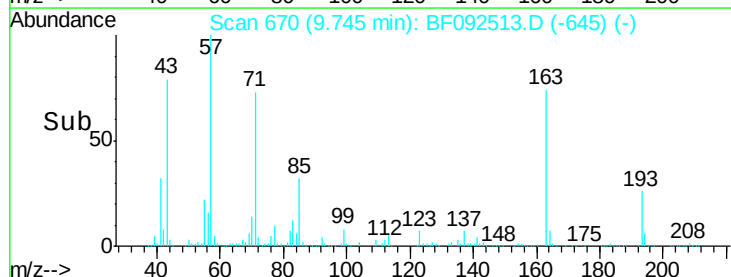
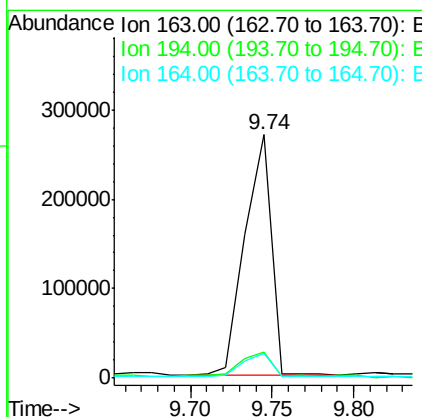
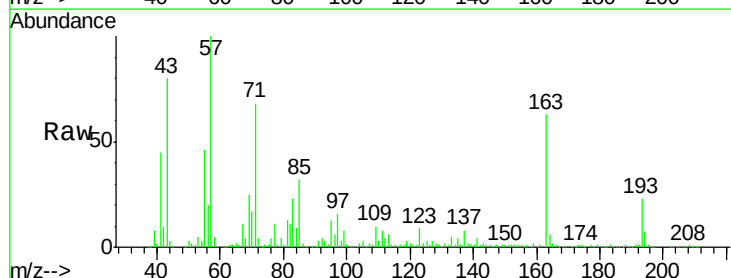
Manual Integrations
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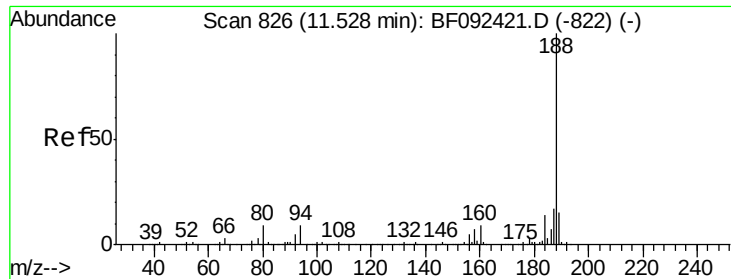
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#49
Dimethylphthalate
Concen: 14.08 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.01 min
Lab File: BF092513.D
Acq: 26 Jan 2017 9:29

Tgt Ion:163 Resp: 300221
Ion Ratio Lower Upper
163 100
194 10.5 3.0 4.4#
164 10.1 8.0 12.0





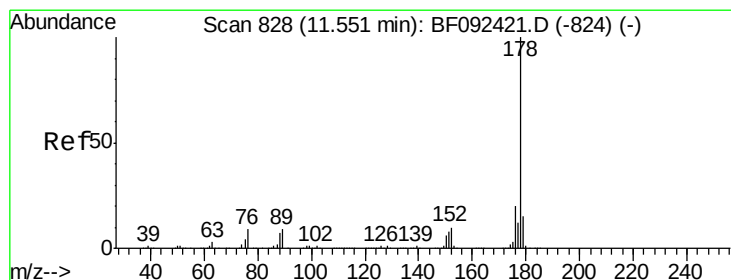
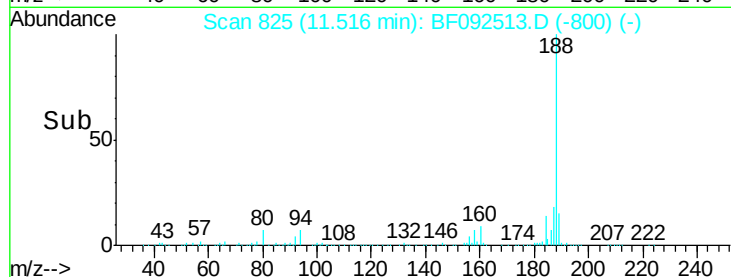
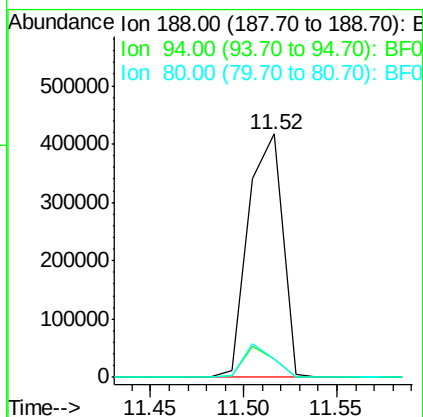
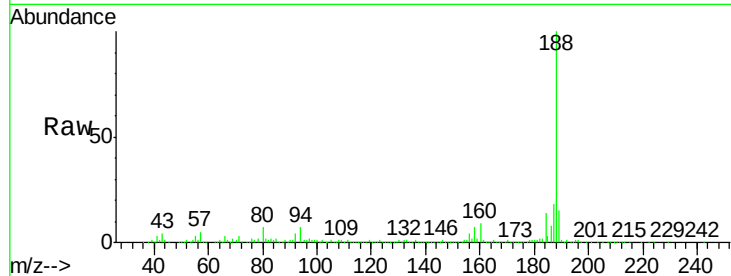
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF092513.D
Acq: 26 Jan 2017 9:29

Instrument :
BNA_F
ClientSampleId :
CAS-SB-02-5-7

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.4	10.0	15.0#
80	7.4	11.2	16.8#

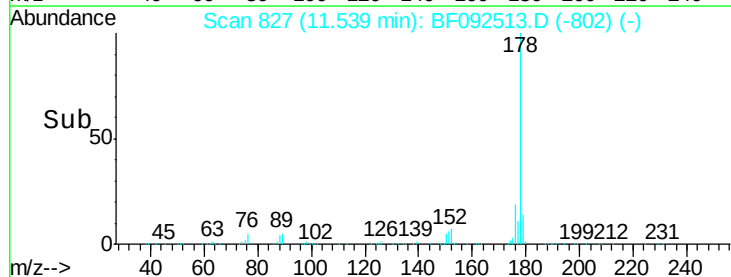
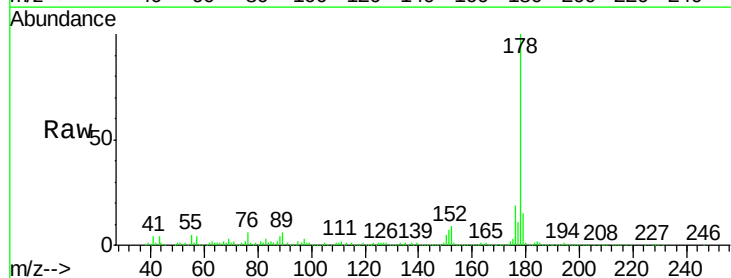
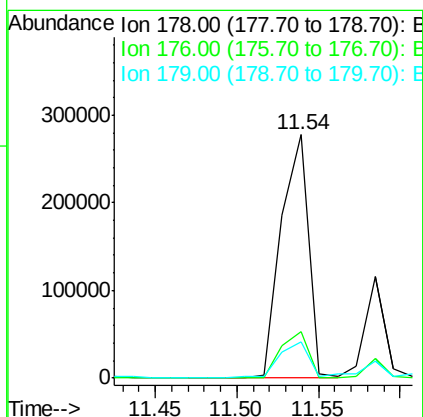
Manual Integrations
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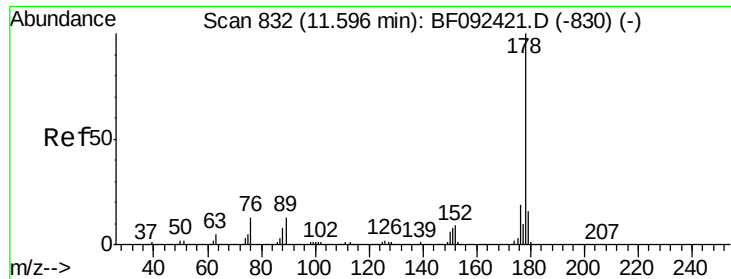
mohammad
1/27/2017 3:01:57 PM



#70
Phenanthrene
Concen: 10.99 ng
RT: 11.54 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF092513.D
Acq: 26 Jan 2017 9:29

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.9	16.6	25.0
179	14.7	12.8	19.2





#71

Anthracene

Concen: 3.72 ng

RT: 11.58 min Scan# 831

Delta R.T. -0.01 min

Lab File: BF092513.D

Acq: 26 Jan 2017 9:29

Instrument :

BNA_F

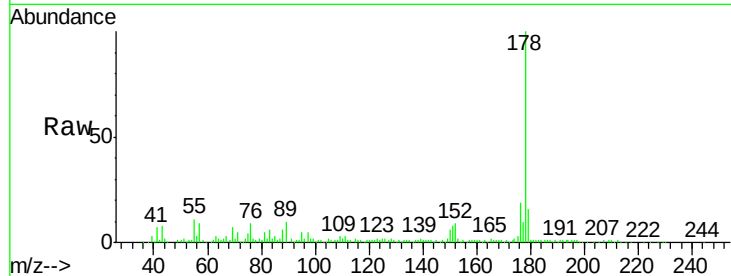
ClientSampleId :

CAS-SB-02-5-7

Tot Ion:	178	Resp:	106821
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.9	23.9
179	16.4	13.2	19.8

Manual Integrations
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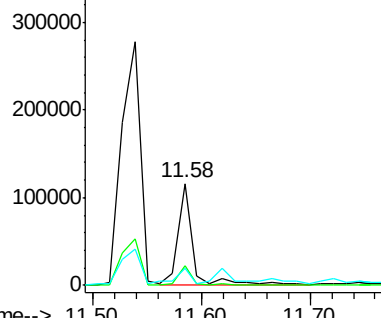
mohammad
1/27/2017 3:01:57 PM



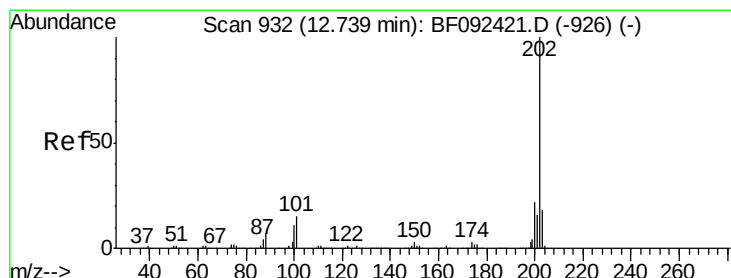
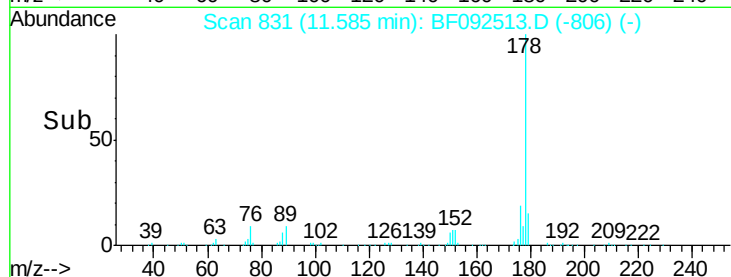
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 11.50 11.60 11.70



#74

Fluoranthene

Concen: 15.86 ng

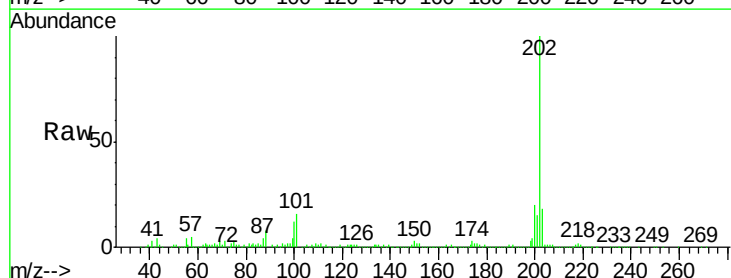
RT: 12.73 min Scan# 931

Delta R.T. -0.01 min

Lab File: BF092513.D

Acq: 26 Jan 2017 9:29

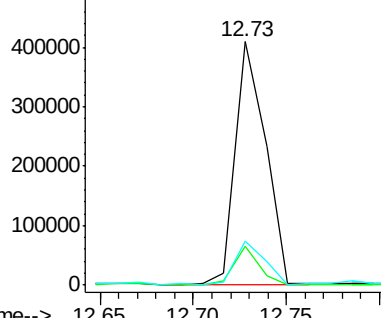
Tgt Ion:	202	Resp:	456080
Ion Ratio	Lower	Upper	
202	100		
101	15.9	0.0	34.6
203	17.9	0.0	38.7



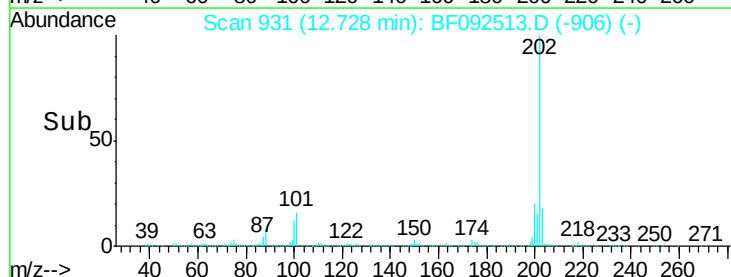
Abundance Ion 202.00 (201.70 to 202.70): E

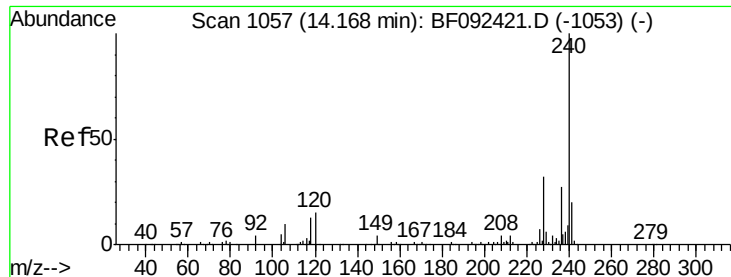
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 12.65 12.70 12.75





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.16 min Scan# 1056

Delta R.T. -0.01 min

Lab File: BF092513.D

Acq: 26 Jan 2017 9:29

Instrument :

BNA_F

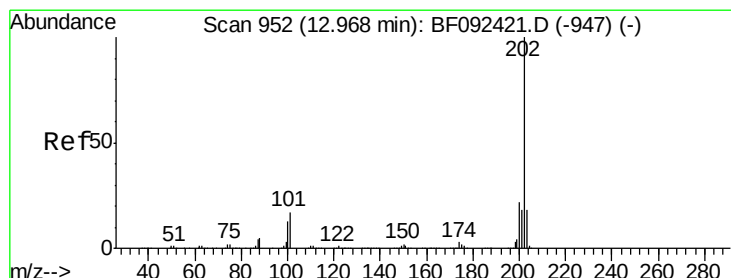
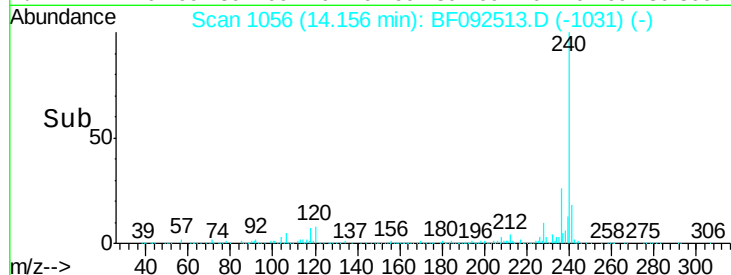
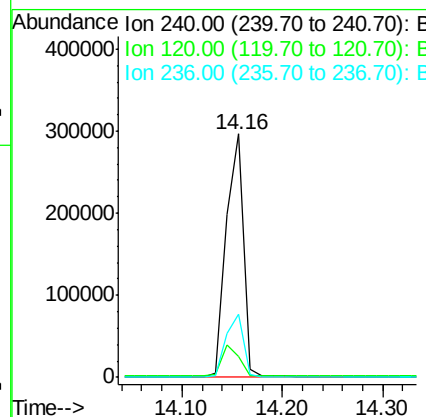
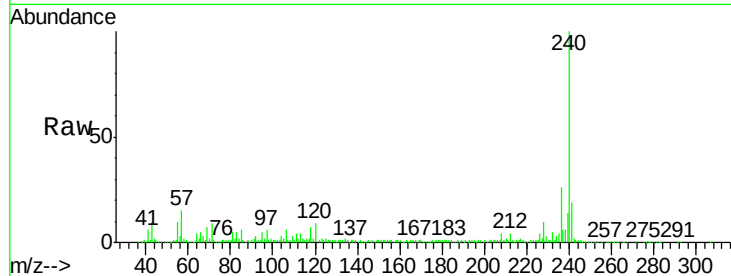
ClientSampleId :

CAS-SB-02-5-7

Tot Ion:	240	Resp:	353043
Ion Ratio		Lower	Upper
240	100		
120	8.5	12.9	19.3#
236	25.8	20.9	31.3

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#77

Pyrene

Concen: 17.18 ng

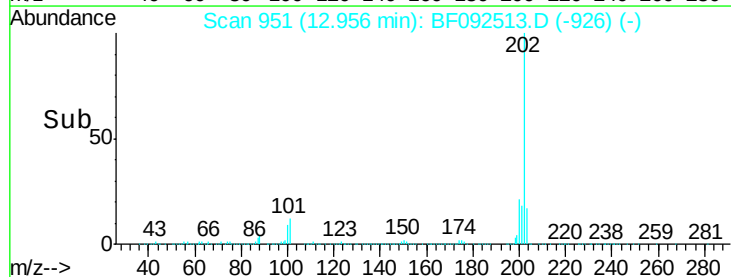
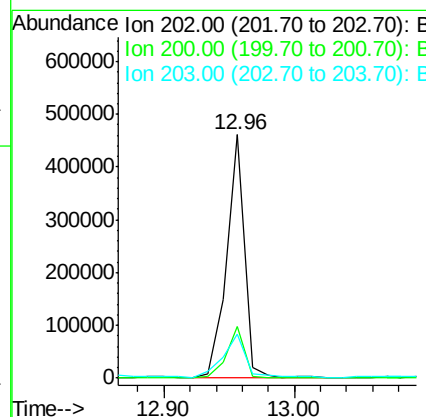
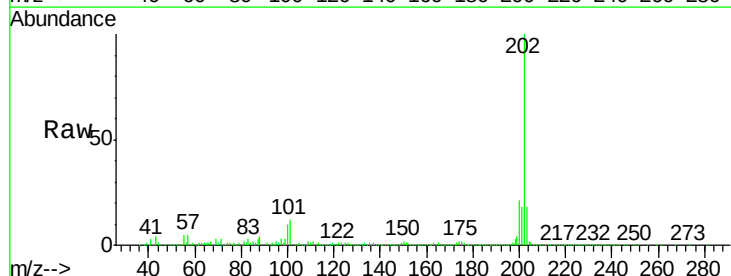
RT: 12.96 min Scan# 951

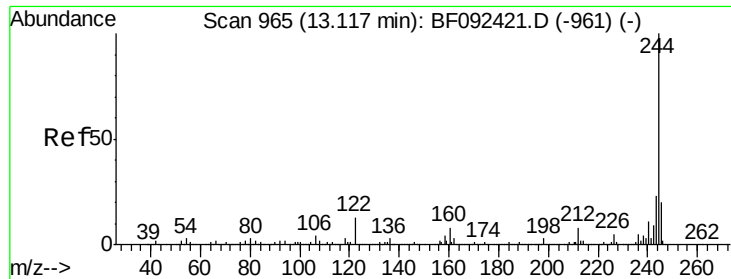
Delta R.T. -0.01 min

Lab File: BF092513.D

Acq: 26 Jan 2017 9:29

Tgt Ion:	202	Resp:	439519
Ion Ratio		Lower	Upper
202	100		
200	21.3	17.7	26.5
203	18.0	14.7	22.1





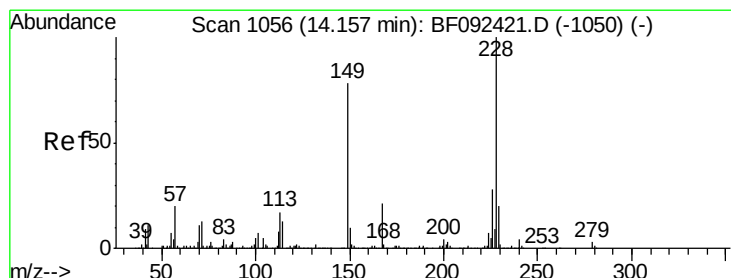
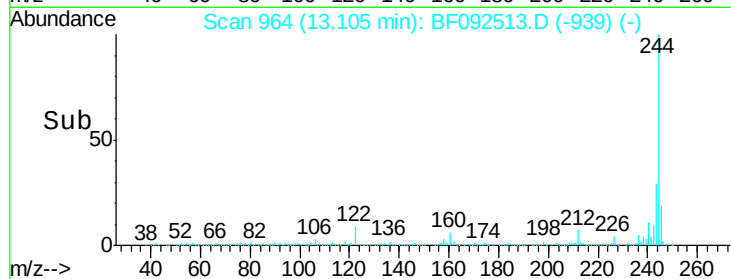
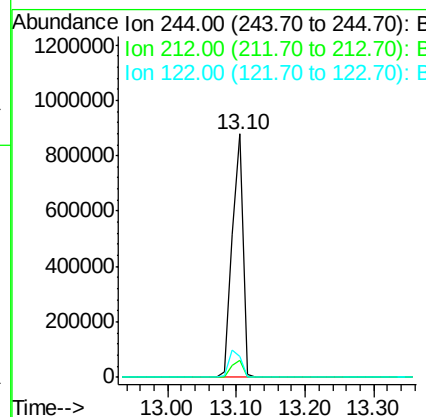
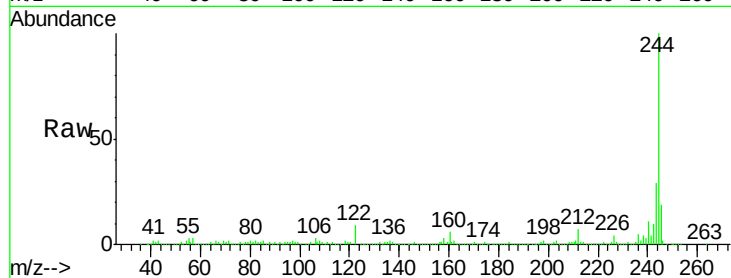
#78
 Terphenyl-d14
 Concen: 74.31 ng
 RT: 13.10 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: BF092513.D
 Acq: 26 Jan 2017 9:29

Instrument :
 BNA_F
 ClientSampleId :
 CAS-SB-02-5-7

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	7.2	6.2	9.2
122	8.8	11.4	17.2

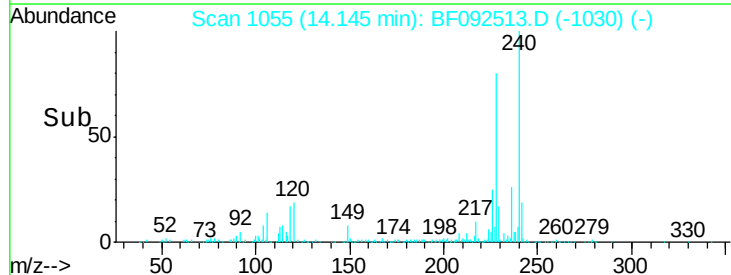
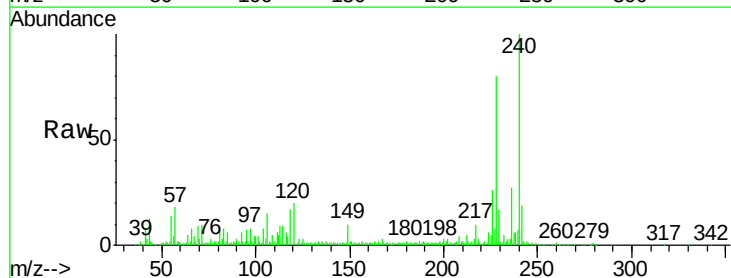
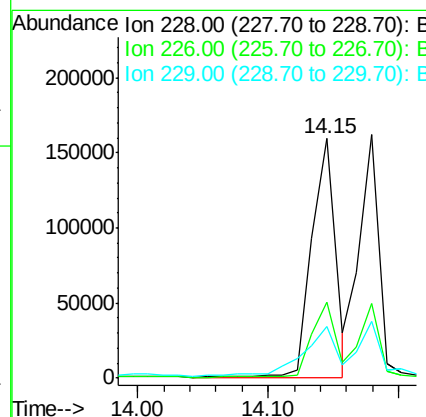
Manual Integrations
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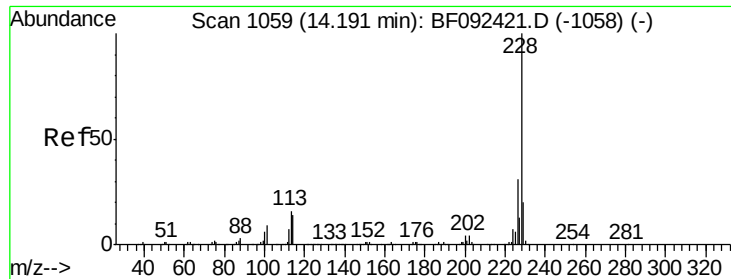
mohammad
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#80
 Benzo(a)anthracene
 Concen: 10.45 ng
 RT: 14.15 min Scan# 1055
 Delta R.T. -0.01 min
 Lab File: BF092513.D
 Acq: 26 Jan 2017 9:29

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	31.8	22.4	33.6
229	21.4	16.2	24.4





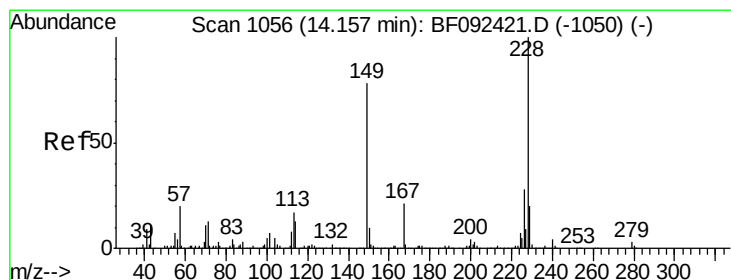
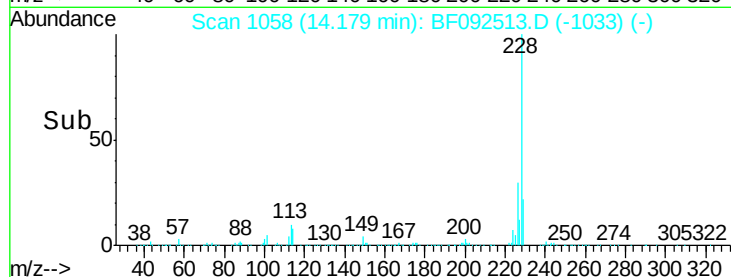
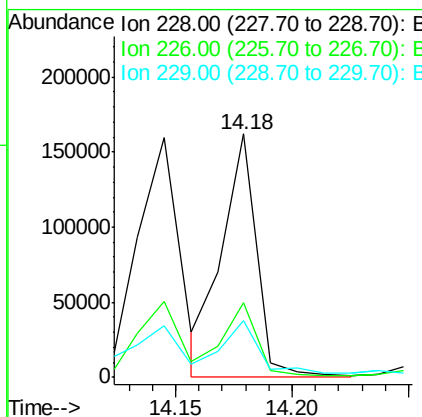
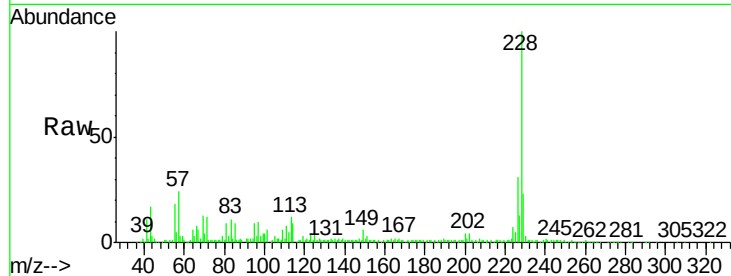
#82
 Chrysene
 Concen: 8.41 ng/mL
 RT: 14.18 min Scan# 1058
 Delta R.T. -0.01 min
 Lab File: BF092513.D
 Acq: 26 Jan 2017 9:29

Instrument :
 BNA_F
 ClientSampleId :
 CAS-SB-02-5-7

Tot Ion:	228	Resp:	170418
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.4	38.0
229	23.4	16.2	24.2

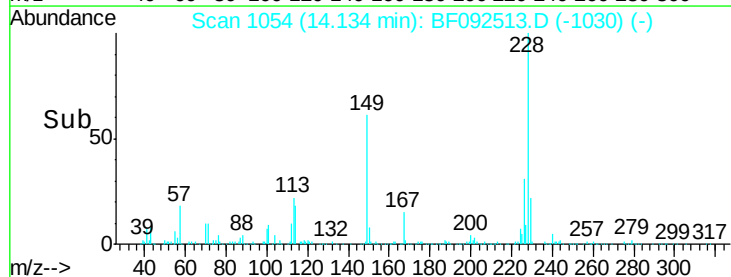
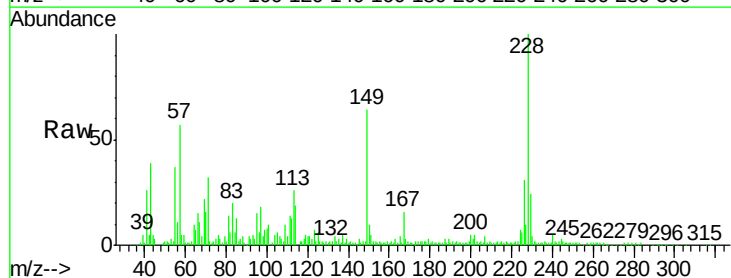
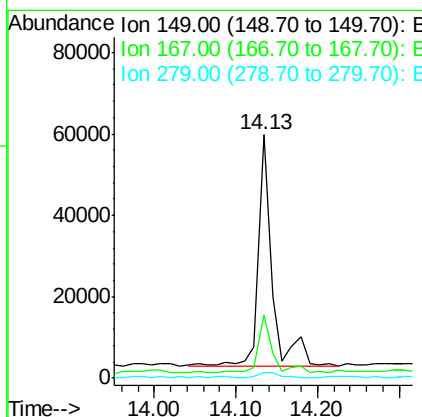
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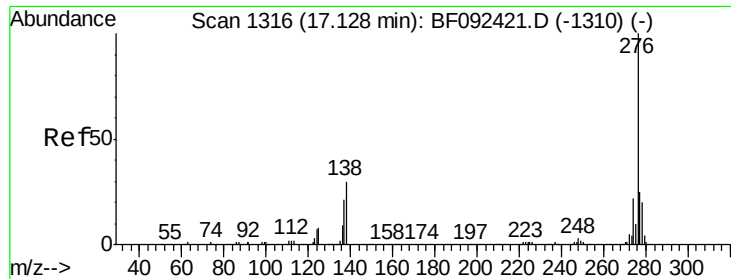
mohammad
 1/27/2017 3:01:57 PM



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 5.10 ng/mL
 RT: 14.13 min Scan# 1054
 Delta R.T. -0.02 min
 Lab File: BF092513.D
 Acq: 26 Jan 2017 9:29

Tgt Ion:	149	Resp:	66599
Ion Ratio	Lower	Upper	
149	100		
167	25.7	20.2	30.4
279	2.3	1.8	2.8





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.03 ng

RT: 17.11 min Scan# 1314

Delta R.T. -0.02 min

Lab File: BF092513.D

Acq: 26 Jan 2017 9:29

Instrument :

BNA_F

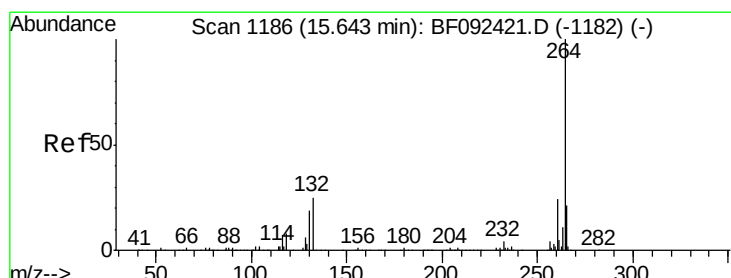
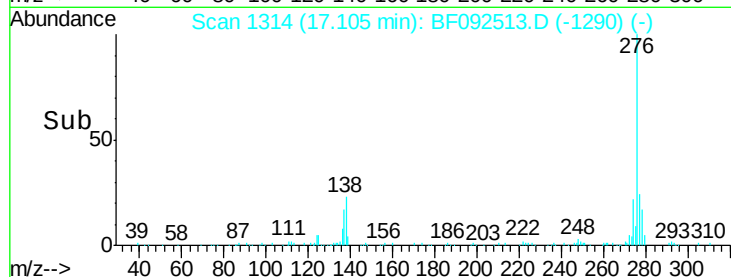
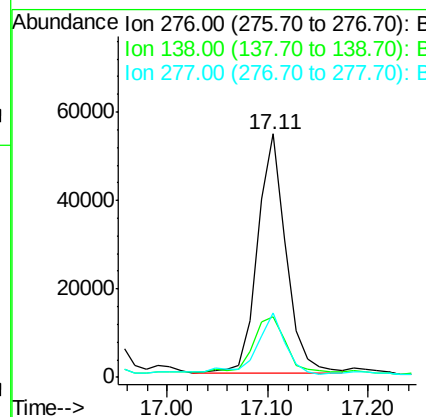
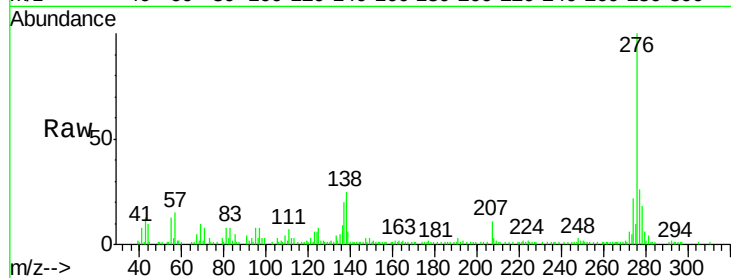
ClientSampleId :

CAS-SB-02-5-7

Tot Ion:	276	Resp:	105322
Ion Ratio	Lower	Upper	
276	100		
138	28.0	21.8	32.6
277	29.0	20.2	30.4

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#86

Perylene-d12

Concen: 20.00 ng

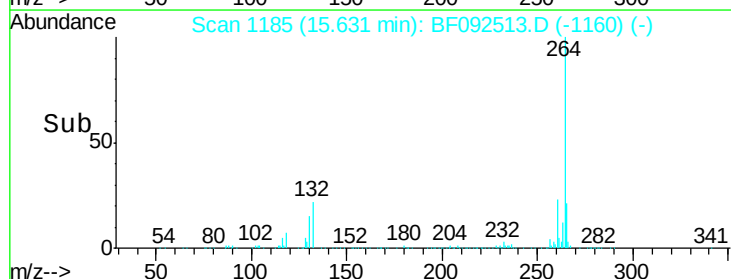
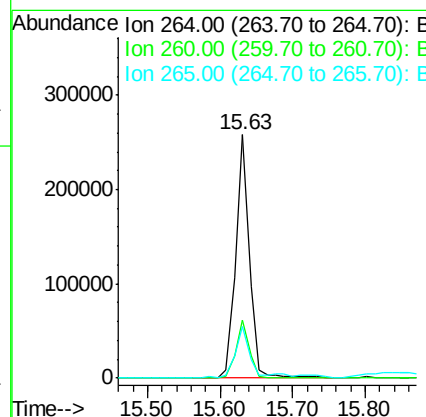
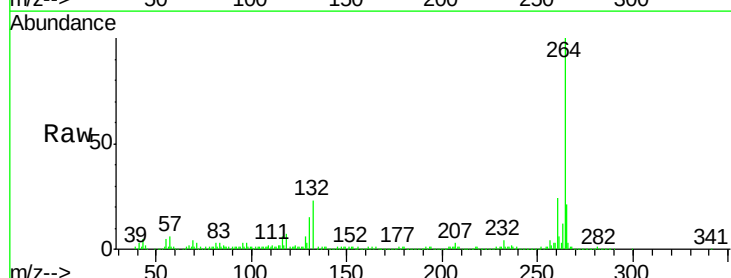
RT: 15.63 min Scan# 1185

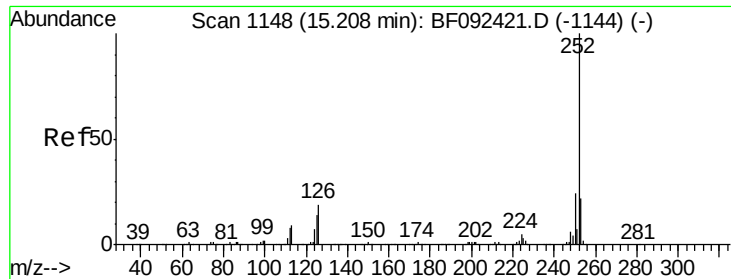
Delta R.T. -0.01 min

Lab File: BF092513.D

Acq: 26 Jan 2017 9:29

Tgt Ion:	264	Resp:	340012
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.2	28.8
265	21.5	17.4	26.0





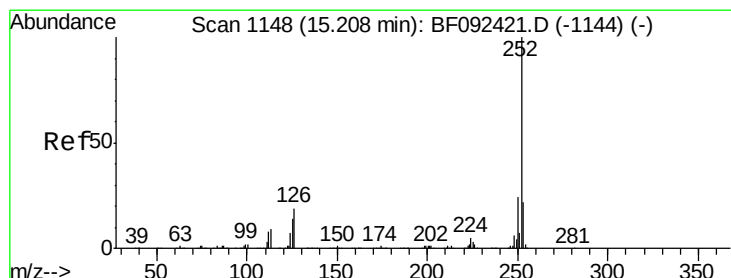
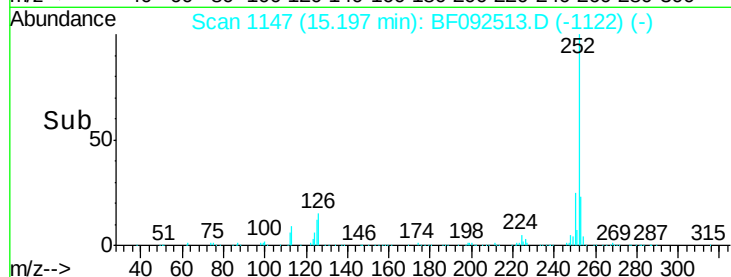
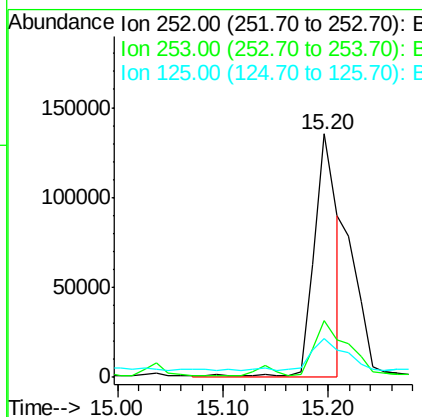
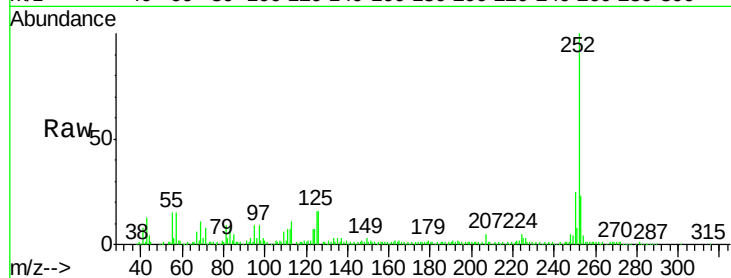
#87
Benzo(b)fluoranthene
Concen: 9.45 ng m
RT: 15.20 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF092513.D
Acq: 26 Jan 2017 9:29

Instrument :
BNA_F
ClientSampleId :
CAS-SB-02-5-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.4
125	16.0	9.8	14.6

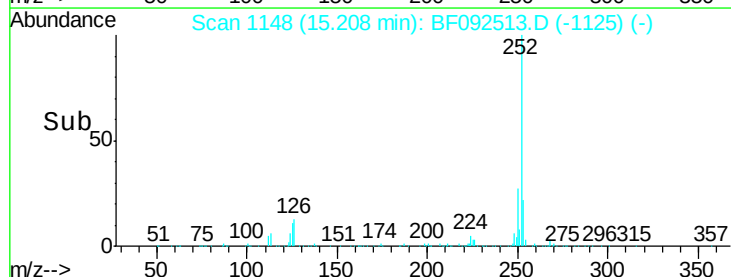
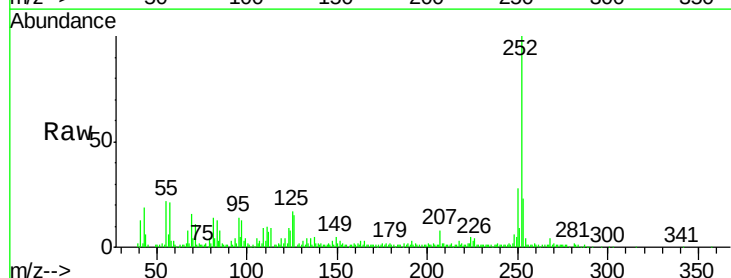
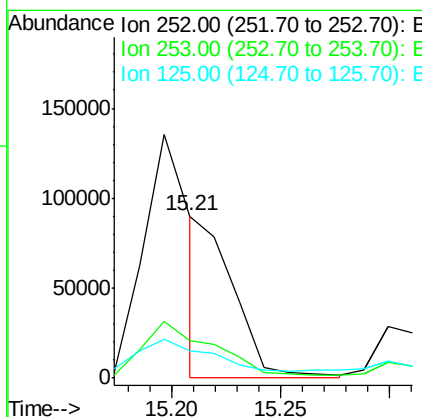
Manual Integrations
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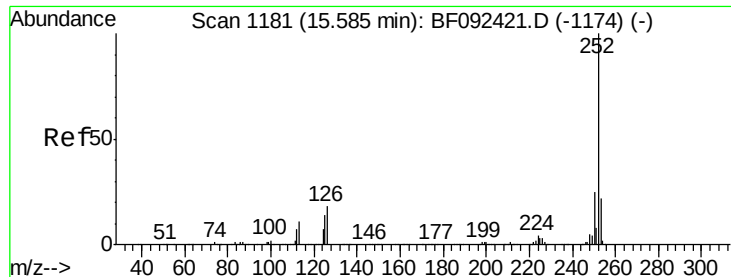
mohammad
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#88
Benzo(k)fluoranthene
Concen: 5.05 ng m
RT: 15.21 min Scan# 1148
Delta R.T. -0.03 min
Lab File: BF092513.D
Acq: 26 Jan 2017 9:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.5	27.7
125	16.7	8.9	13.3





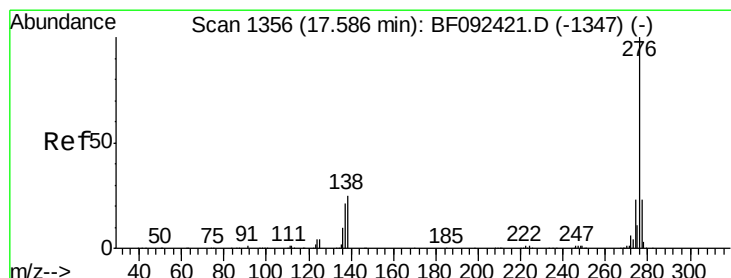
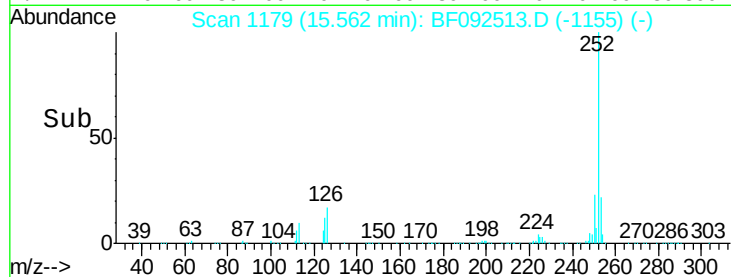
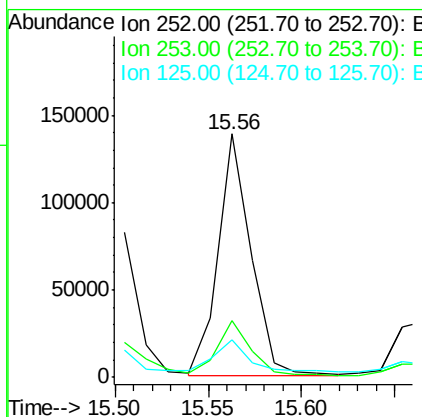
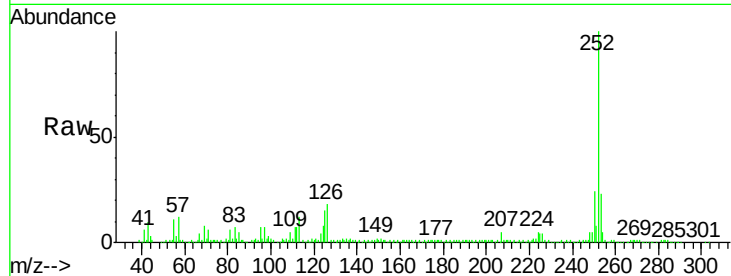
#89
Benzo(a)pyrene
Concen: 9.23 ng
RT: 15.56 min Scan# 1179
Delta R.T. -0.02 min
Lab File: BF092513.D
Acq: 26 Jan 2017 9:29

Instrument :
BNA_F
ClientSampleId :
CAS-SB-02-5-7

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.3	18.2	27.2
125	15.3	10.0	15.0

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.77 ng
RT: 17.55 min Scan# 1353
Delta R.T. -0.03 min
Lab File: BF092513.D
Acq: 26 Jan 2017 9:29

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	24.2	19.2	28.8
138	28.4	16.0	24.0

