

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
 Data File : BF092817.D
 Acq On : 7 Feb 2017 1:05
 Operator : SJ/MA
 Sample : I1701-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-1

Manual Integrations
 APPROVED

mohammad
 2/7/2017 3:14:55 PM

Quant Time: Feb 07 02:20:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 07 01:19:37 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	130163	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	523579	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	237725	20.00	ng	0.00
63) Phenanthrene-d10	11.45	188	337520	20.00	ng	0.00
75) Chrysene-d12	14.09	240	296109	20.00	ng	0.00
86) Perylene-d12	15.54	264	209841	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	4656	0.61	ng	0.01
7) Phenol-d6	6.54	99	69862	7.16	ng	-0.01
23) Nitrobenzene-d5	7.48	82	629166	66.92	ng	0.00
41) 2,4,6-Tribromophenol	10.75	330	1418	0.82	ng	0.00
44) 2-Fluorobiphenyl	9.28	172	991449	75.56	ng	0.00
78) Terphenyl-d14	13.03	244	733583	58.21	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.22	128	81635	3.08	ng	98
49) Dimethylphthalate	9.68	163	79933	4.99	ng	99
51) Acenaphthene	9.98	154	29594	2.13	ng	99
70) Phenanthrene	11.47	178	265813	13.75	ng	96
71) Anthracene	11.52	178	63260	3.26	ng	98
74) Fluoranthene	12.66	202	276572	13.87	ng	92
77) Pyrene	12.89	202	241742	10.91	ng	97
80) Benzo(a)anthracene	14.08	228	105623	5.83	ng	97
82) Chrysene	14.11	228	93516m	5.52	ng	
85) Indeno(1,2,3-cd)pyrene	16.99	276	32579	2.48	ng	# 86
87) Benzo(b)fluoranthene	15.12	252	85985m	6.23	ng	
88) Benzo(k)fluoranthene	15.13	252	38934m	3.26	ng	
89) Benzo(a)pyrene	15.48	252	66714	5.58	ng	# 82
91) Benzo(a,h,i)perylene	17.43	276	42703	4.38	ng	# 81

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

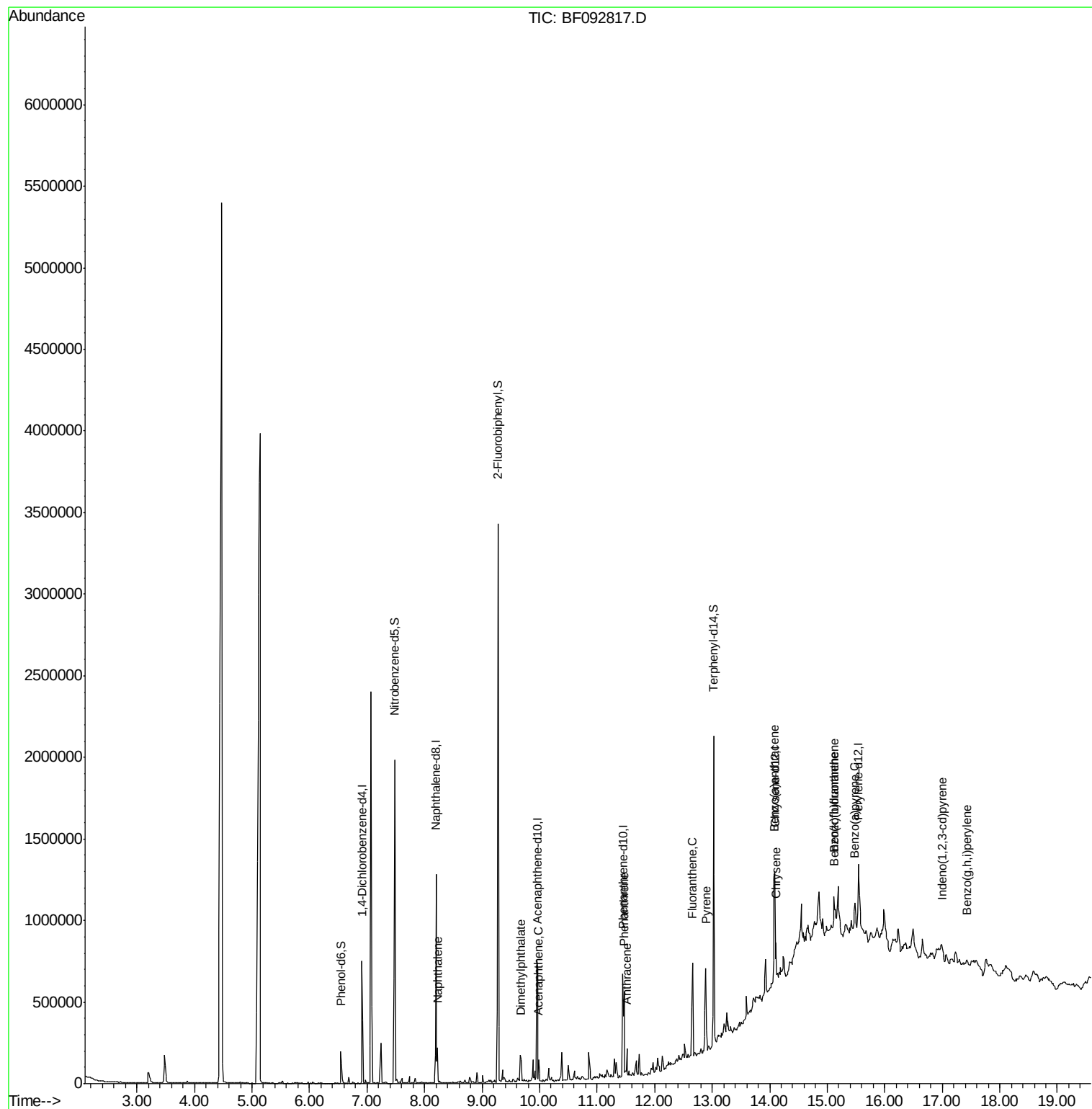
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020617\
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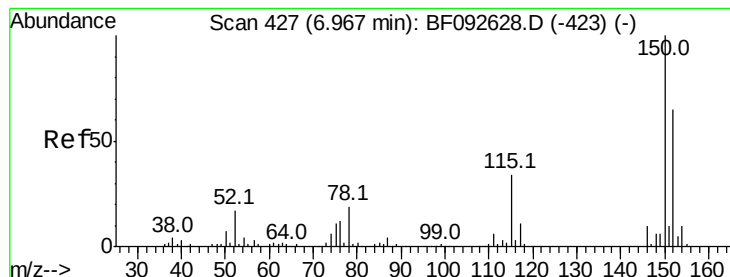
Instrument :
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C-1

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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: 6.91 min Scan# 422

Delta R.T. 0.00 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

Instrument :

BNA_F

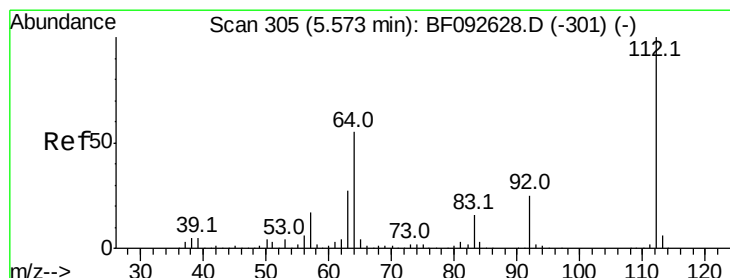
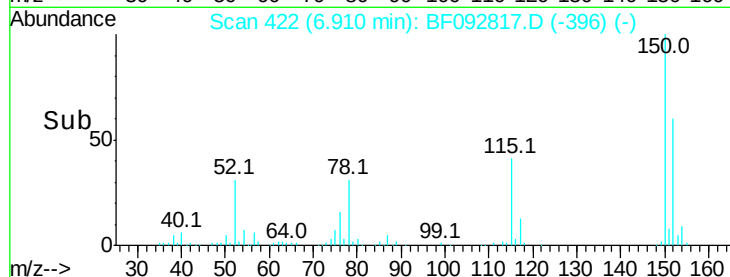
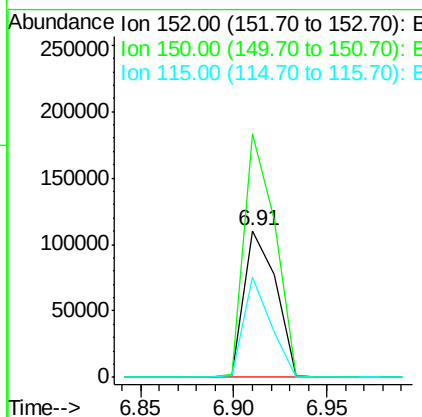
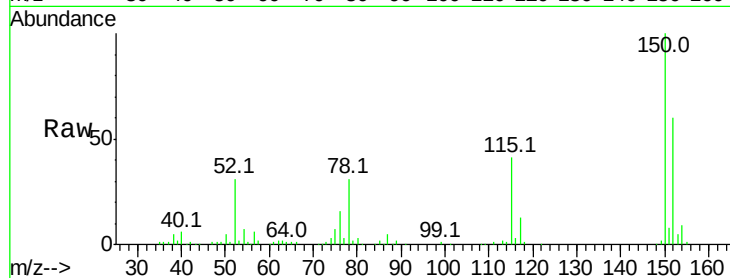
ClientSampled :

C-1

Tot Ion:	152	Resp:	130163
Ion Ratio	Lower	Upper	
152	100		
150	165.8	124.9	187.3
115	68.2	46.0	69.0

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#5

2-Fluorophenol

Concen: 0.61 ng

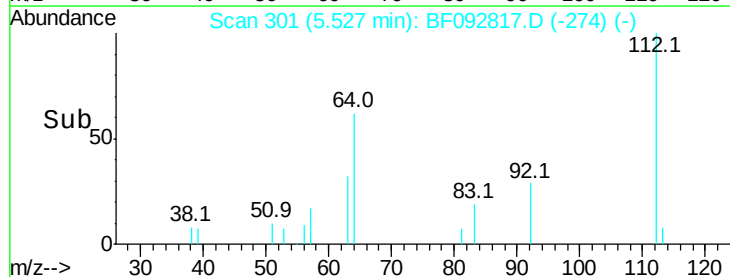
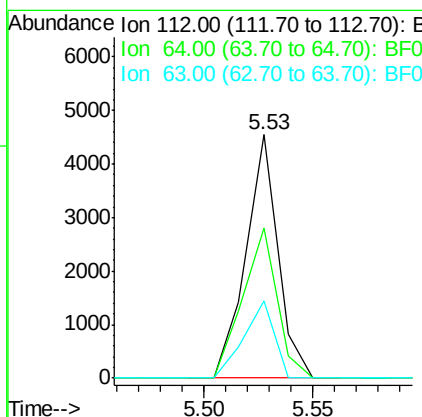
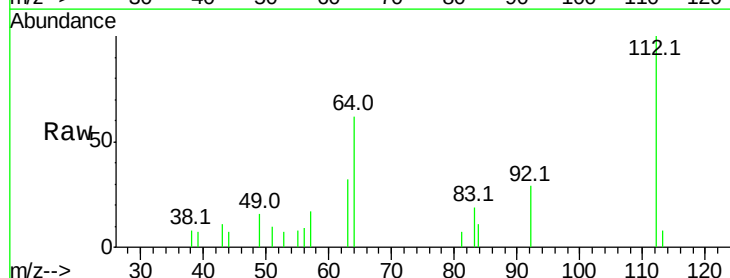
RT: 5.53 min Scan# 301

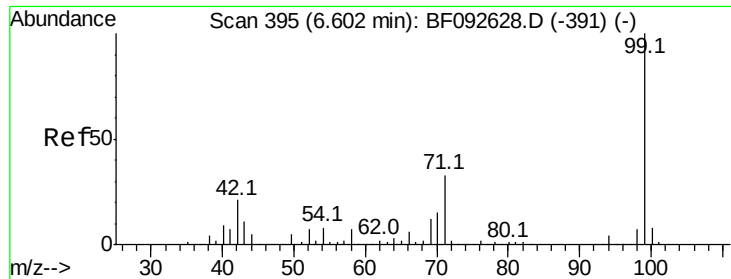
Delta R.T. 0.01 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

Tgt Ion:	112	Resp:	4656
Ion Ratio	Lower	Upper	
112	100		
64	61.9	46.1	69.1
63	31.5	23.8	35.6





#7

Phenol-d6

Concen: 7.16 ng

RT: 6.54 min Scan# 390

Delta R.T. -0.01 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

Instrument :

BNA_F

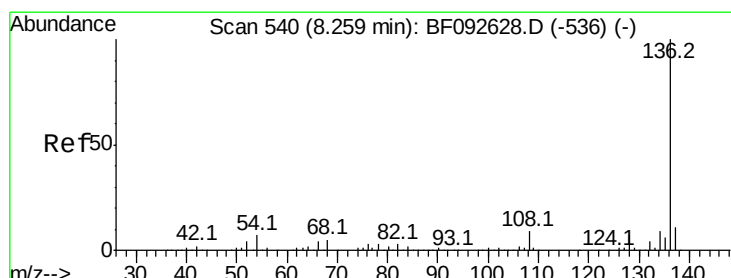
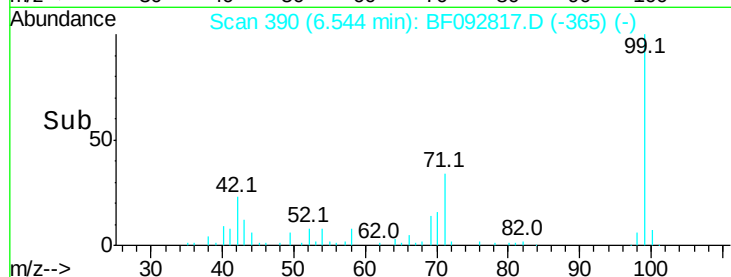
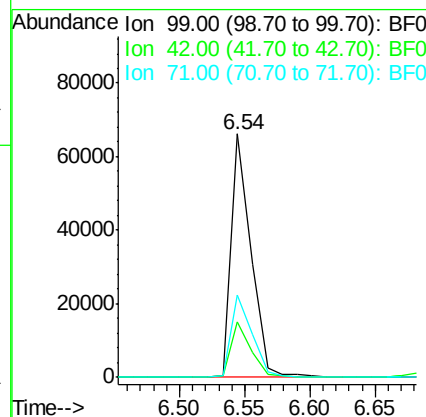
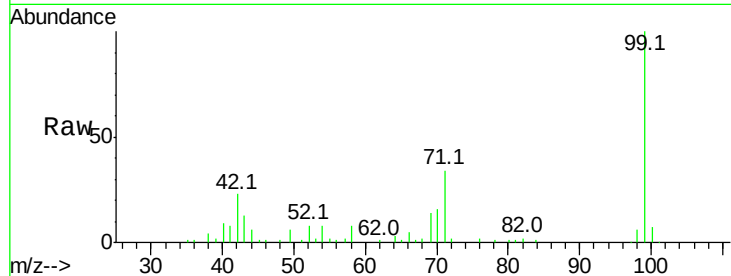
ClientSampled :

C-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		69862		
42	22.6	15.6	23.4		
71	33.7	27.5	41.3		

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#21

Naphthalene-d8

Concen: 20.00 ng

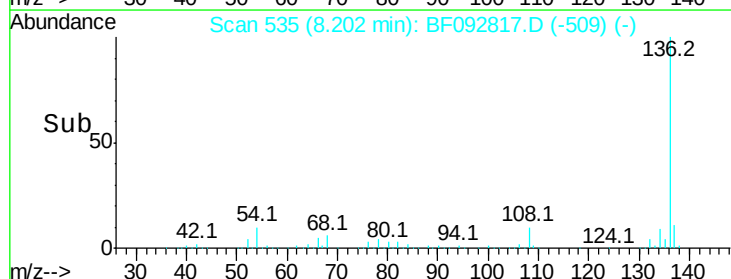
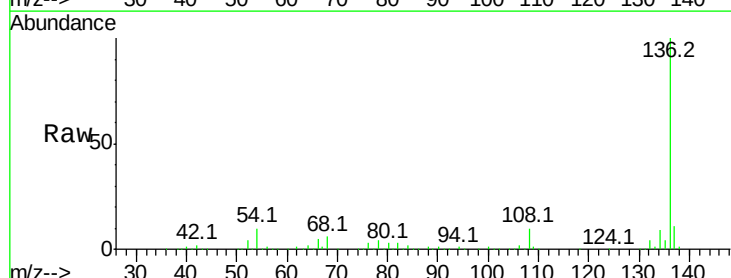
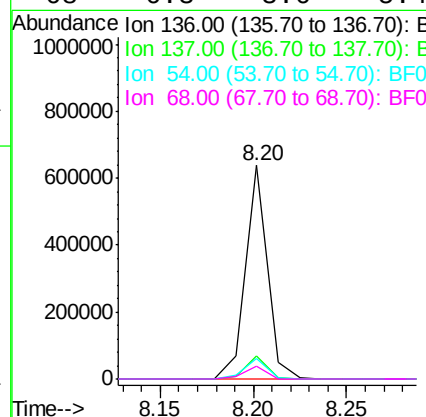
RT: 8.20 min Scan# 535

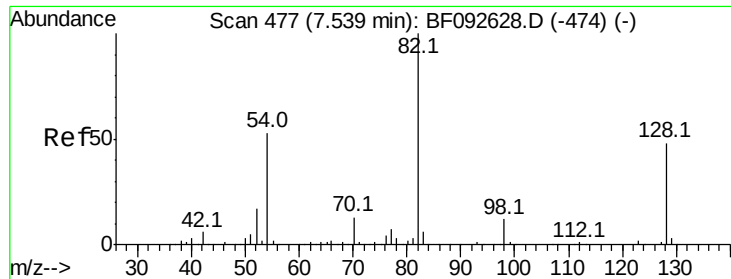
Delta R.T. 0.00 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		523579		
137	10.7	8.4	12.6		
54	9.6	4.5	6.7#		
68	6.3	3.6	5.4#		





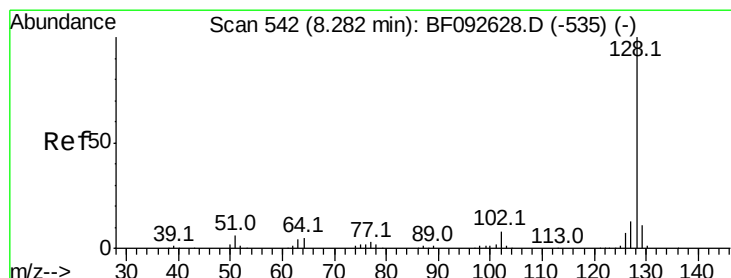
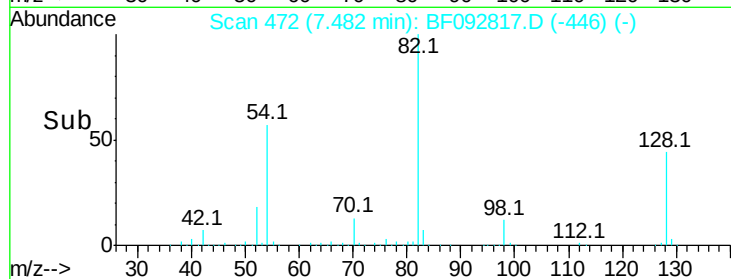
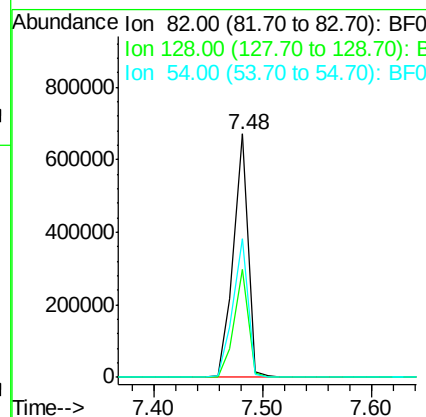
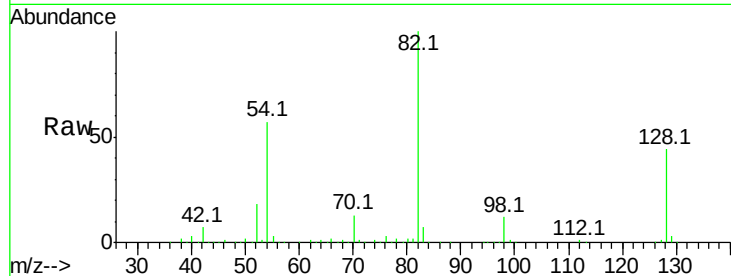
#23
Nitrobenzene-d5
Concen: 66.92 ng
RT: 7.48 min Scan# 472
Delta R.T. 0.00 min
Lab File: BF092817.D
Acq: 7 Feb 2017 1:05

Instrument :
BNA_F
ClientSampled :
C-1

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.2	34.6	52.0	
54	56.7	39.5	59.3	

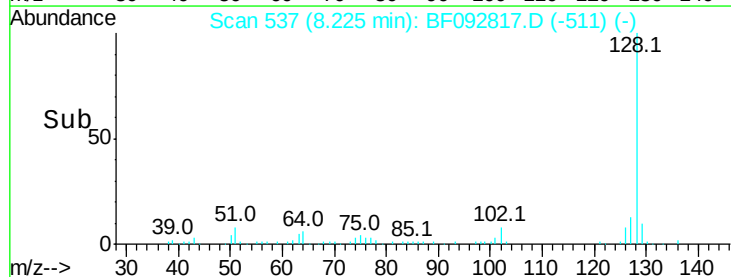
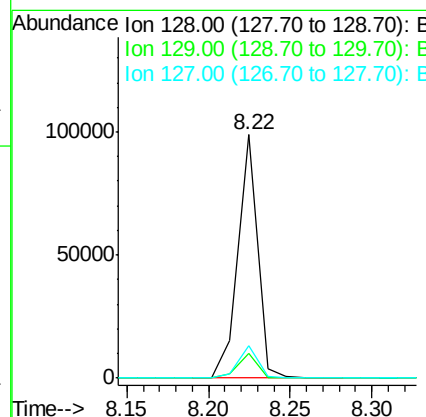
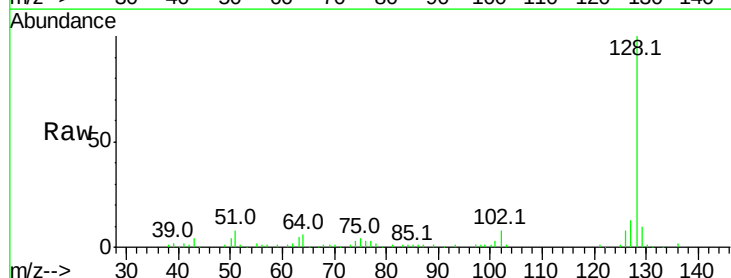
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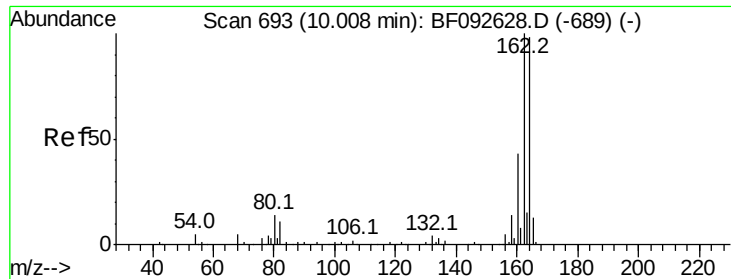
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#31
Naphthalene
Concen: 3.08 ng
RT: 8.22 min Scan# 537
Delta R.T. 0.00 min
Lab File: BF092817.D
Acq: 7 Feb 2017 1:05

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.4	9.5	14.3	
127	13.2	10.8	16.2	





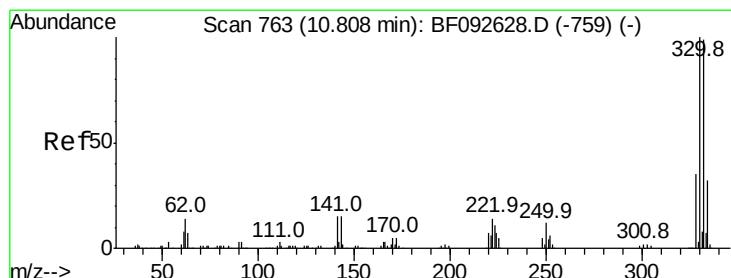
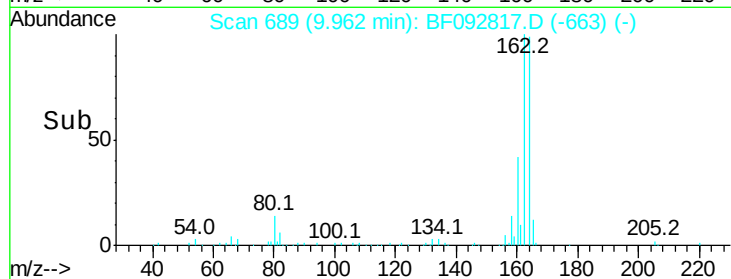
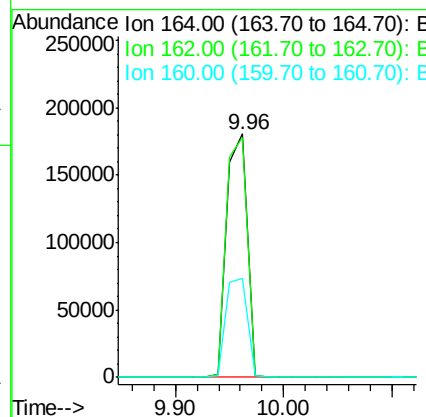
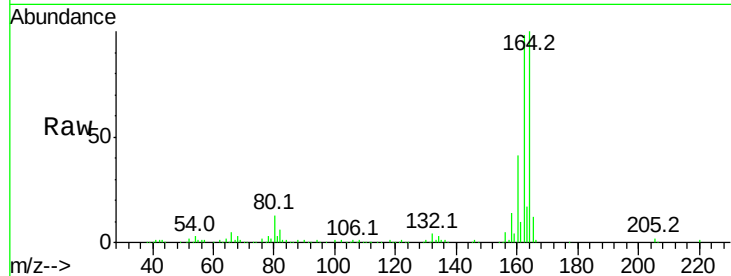
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.96 min Scan# 689
 Delta R.T. 0.00 min
 Lab File: BF092817.D
 Acq: 7 Feb 2017 1:05

Instrument :
 BNA_F
 ClientSampled :
 C-1

Tot Ion	Ratio	Resp	Lower	Upper
164	100	237725		
162	98.3	80.2	120.2	
160	40.9	36.9	55.3	

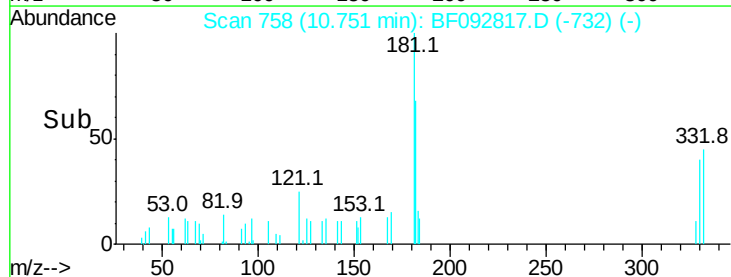
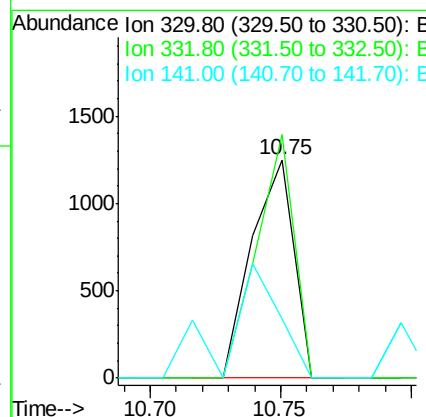
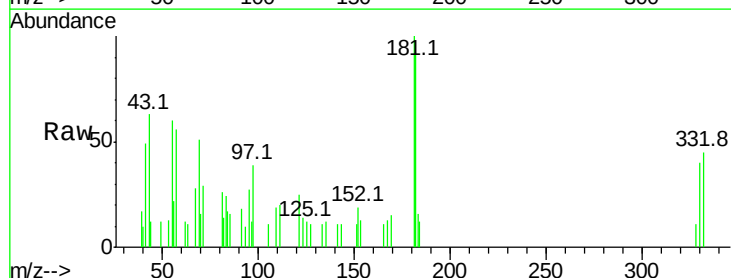
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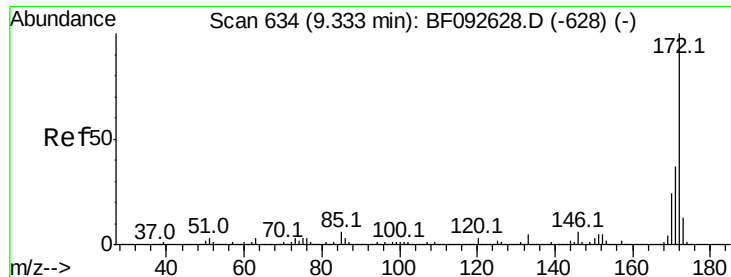
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#41
 2,4,6-Tribromophenol
 Concen: 0.82 ng
 RT: 10.75 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: BF092817.D
 Acq: 7 Feb 2017 1:05

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	1418		
332	99.1	77.4	116.2	
141	64.1	34.1	51.1#	





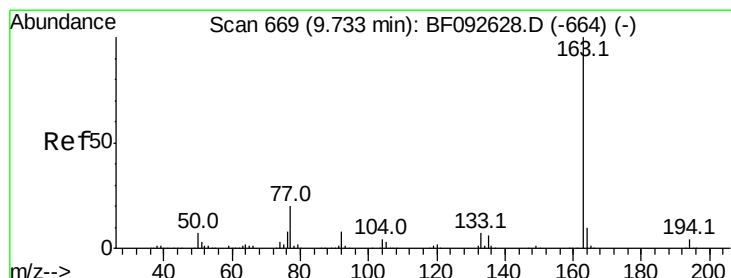
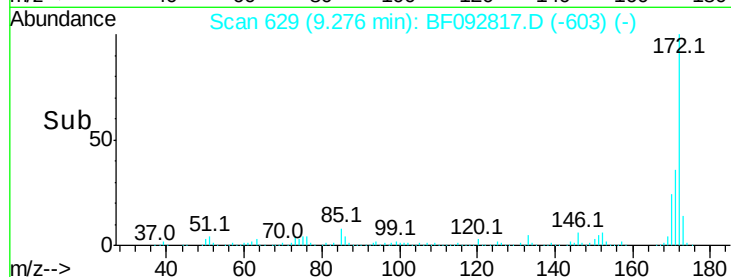
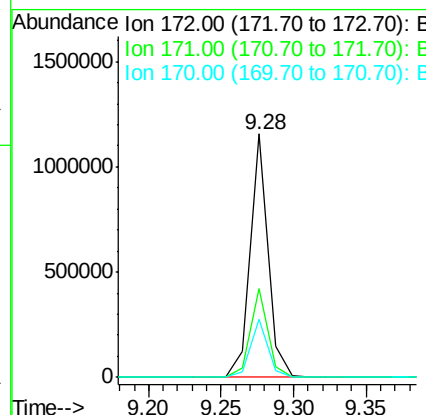
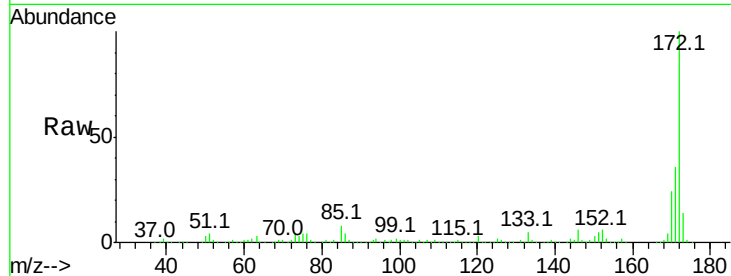
#44
2-Fluorobiphenyl
Concen: 75.56 ng
RT: 9.28 min Scan# 629
Delta R.T. 0.00 min
Lab File: BF092817.D
Acq: 7 Feb 2017 1:05

Instrument :
BNA_F
ClientSampleId :
C-1

Tot Ion	Ratio	Resp	Lower	Upper
172	100	991449		
171	36.3		29.4	44.0
170	23.9		20.2	30.4

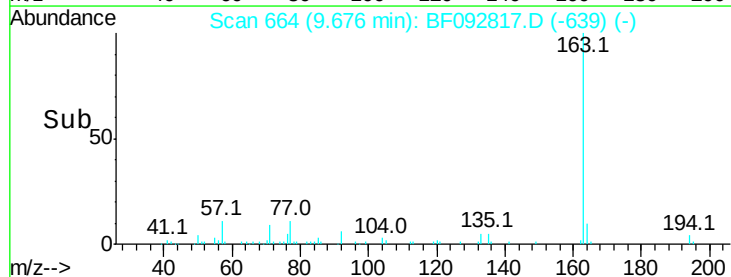
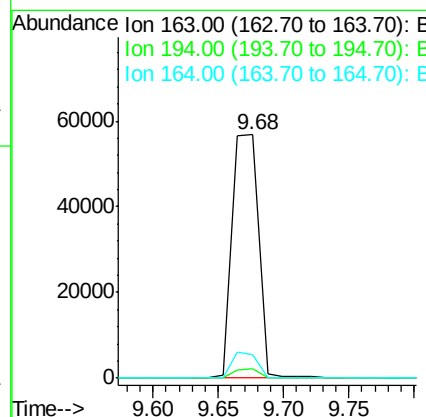
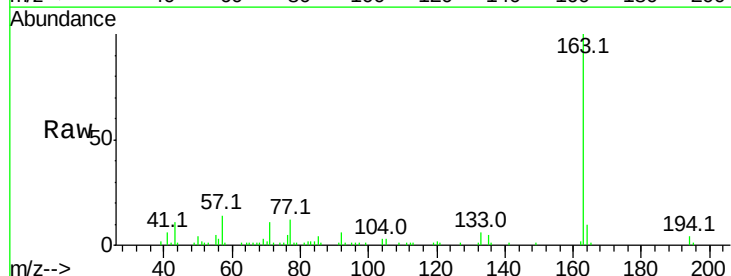
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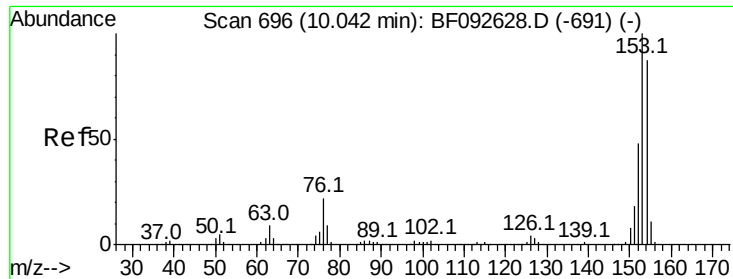
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#49
Dimethylphthalate
Concen: 4.99 ng
RT: 9.68 min Scan# 664
Delta R.T. -0.01 min
Lab File: BF092817.D
Acq: 7 Feb 2017 1:05

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	79933		
194	4.0		3.0	4.4
164	9.6		8.0	12.0





#51

Acenaphthene

Concen: 2.13 ng

RT: 9.98 min Scan# 691

Delta R.T. -0.01 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

Instrument :

BNA_F

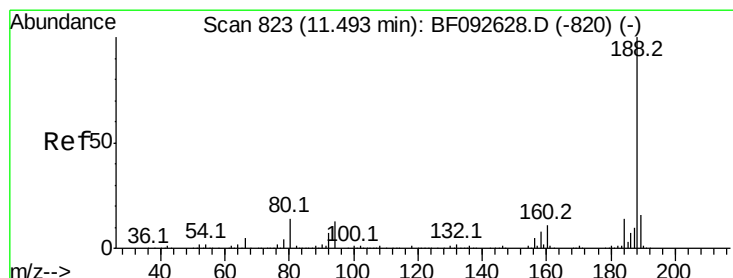
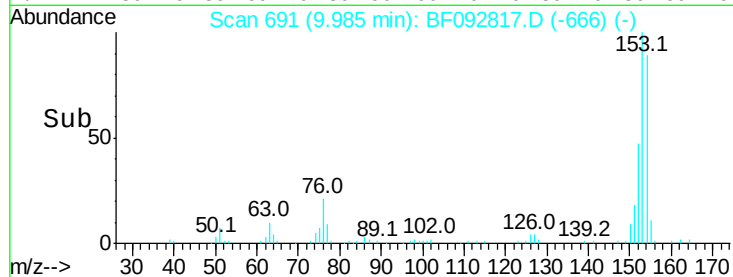
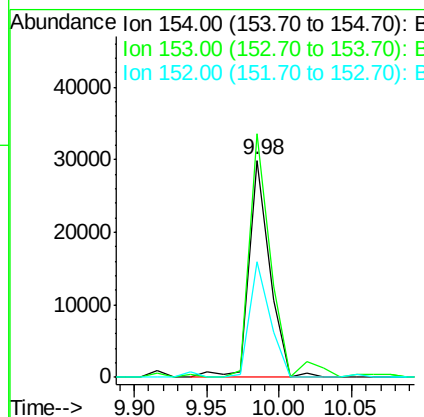
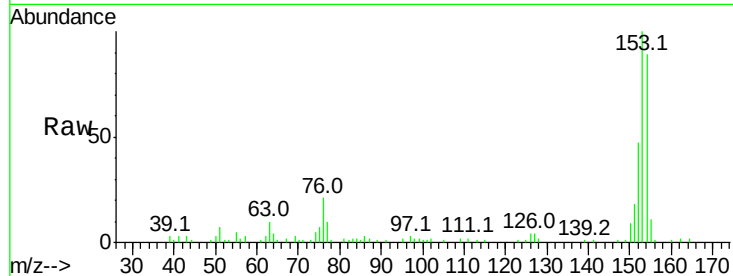
ClientSampleId :

C-1

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.2	88.6	133.0
152	53.3	41.6	62.4

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

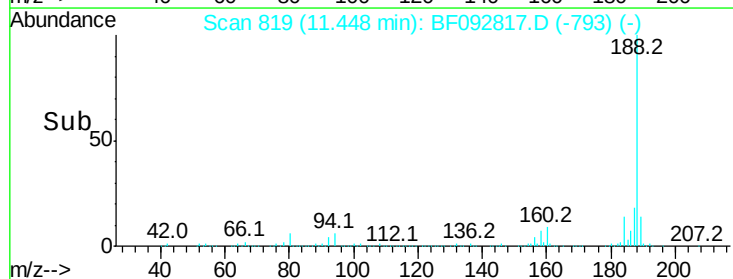
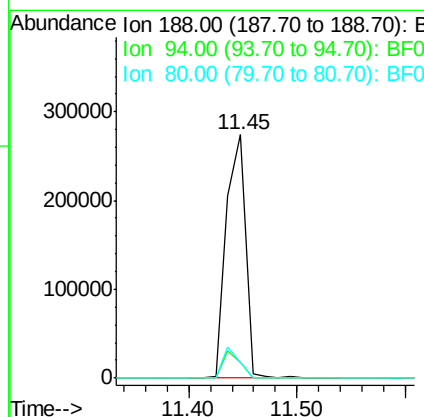
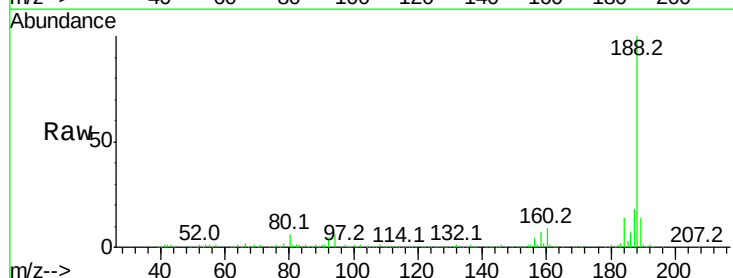
RT: 11.45 min Scan# 819

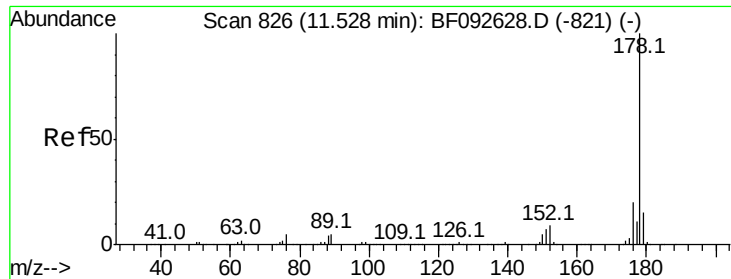
Delta R.T. 0.00 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.4	10.0	15.0#
80	6.4	11.2	16.8#





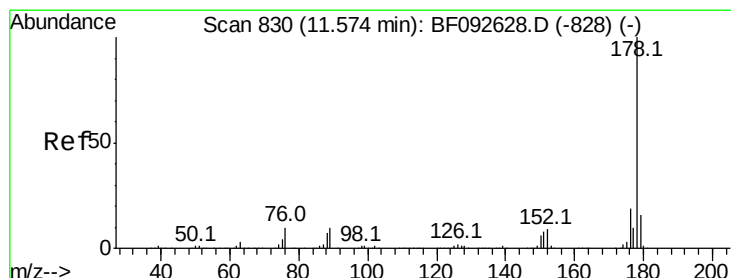
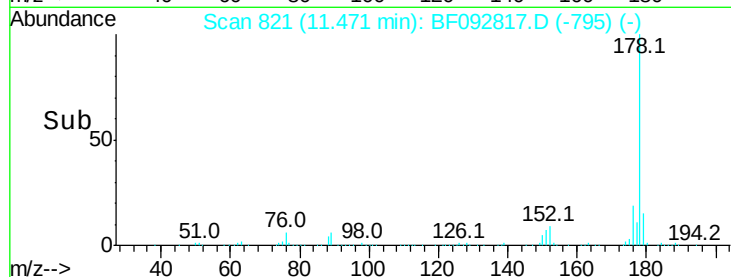
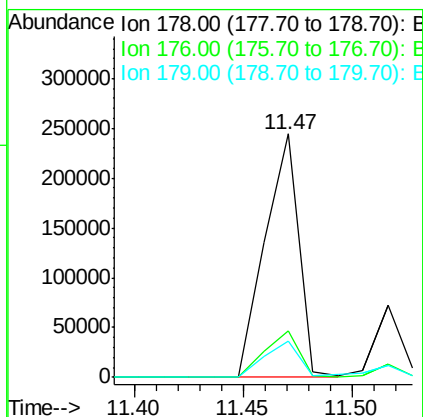
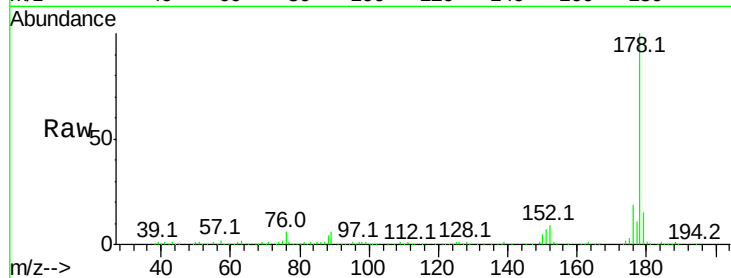
#70
Phenanthrene
Concen: 13.75 ng
RT: 11.47 min Scan# 821
Delta R.T. 0.00 min
Lab File: BF092817.D
Acq: 7 Feb 2017 1:05

Instrument :
BNA_F
ClientSampled :
C-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.6	25.0
179	14.8	12.8	19.2

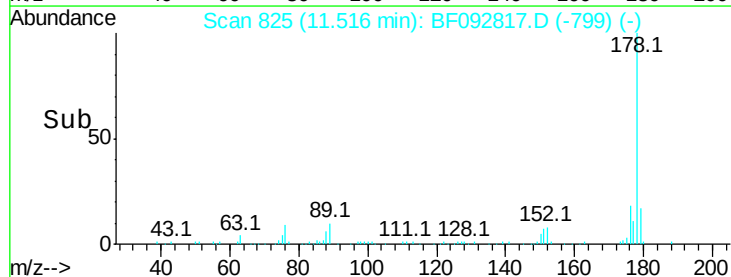
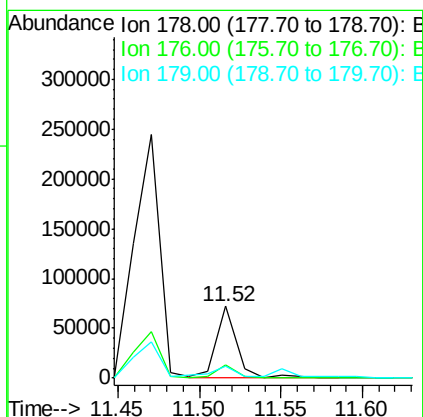
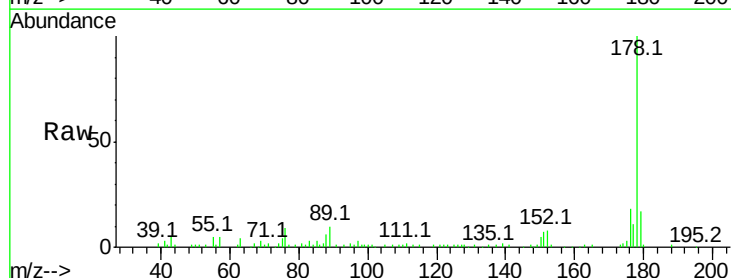
Manual Integrations
APPROVED

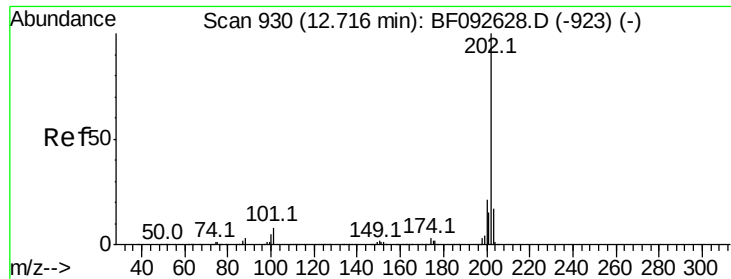
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#71
Anthracene
Concen: 3.26 ng
RT: 11.52 min Scan# 825
Delta R.T. 0.00 min
Lab File: BF092817.D
Acq: 7 Feb 2017 1:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.9	23.9
179	16.7	13.2	19.8





#74

Fluoranthene

Concen: 13.87 ng

RT: 12.66 min Scan# 925

Delta R.T. 0.00 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

Instrument :

BNA_F

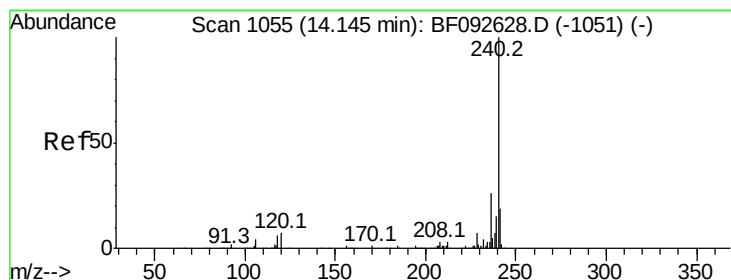
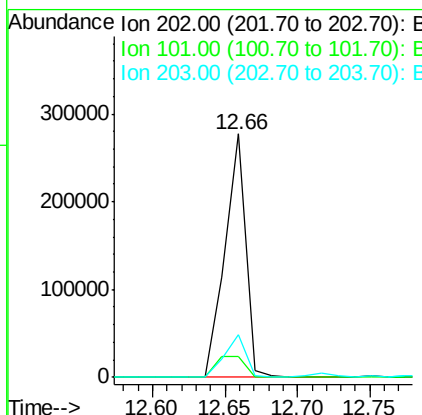
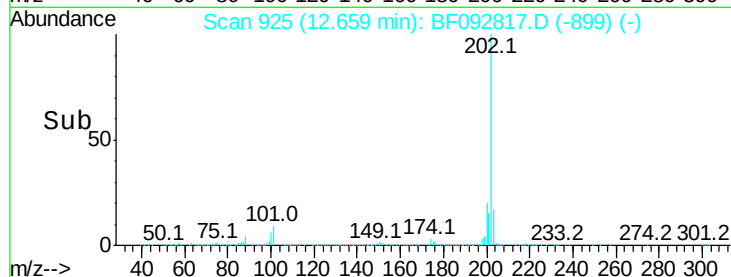
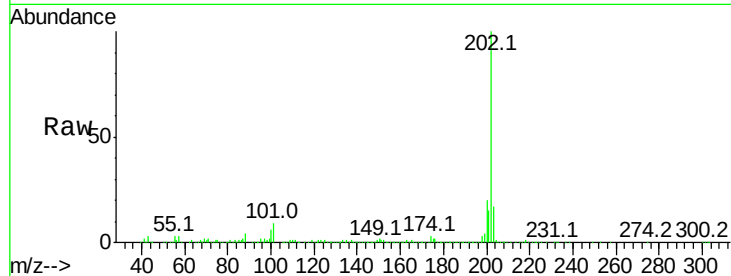
ClientSampled :

C-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.6	0.0	34.6
203	17.3	0.0	38.7

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#75

Chrysene-d12

Concen: 20.00 ng

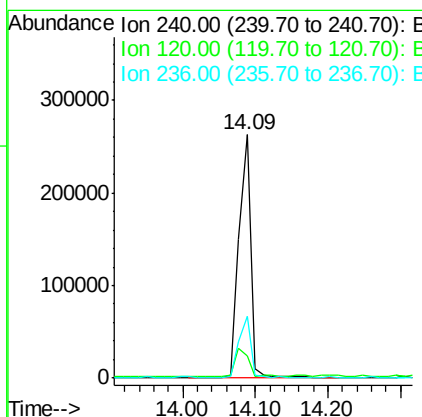
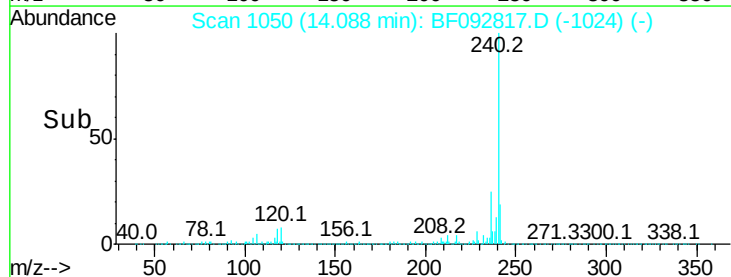
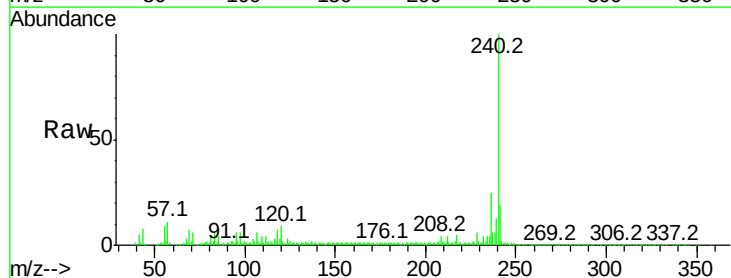
RT: 14.09 min Scan# 1050

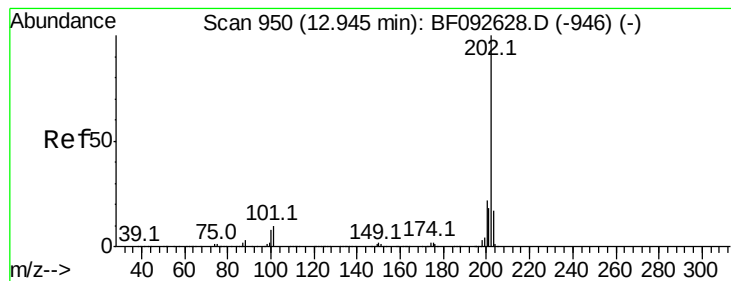
Delta R.T. 0.00 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.0	12.9	19.3#
236	25.5	20.9	31.3





#77

Pvrene

Concen: 10.91 ng

RT: 12.89 min Scan# 945

Delta R.T. 0.00 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

Instrument :

BNA_F

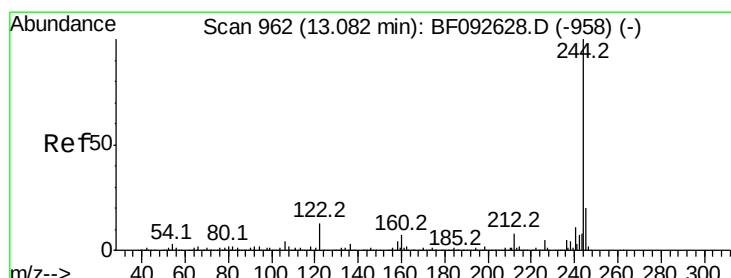
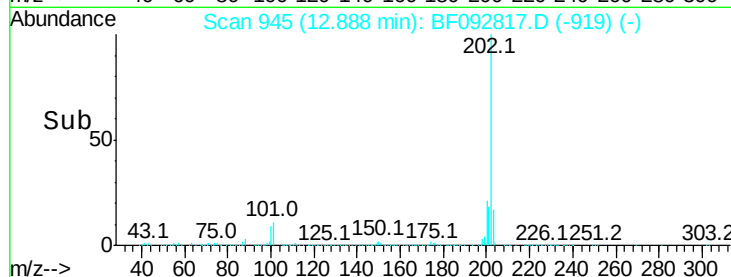
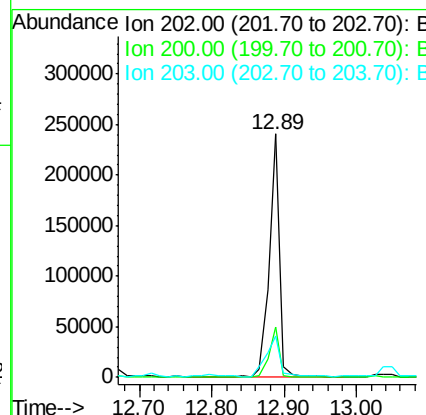
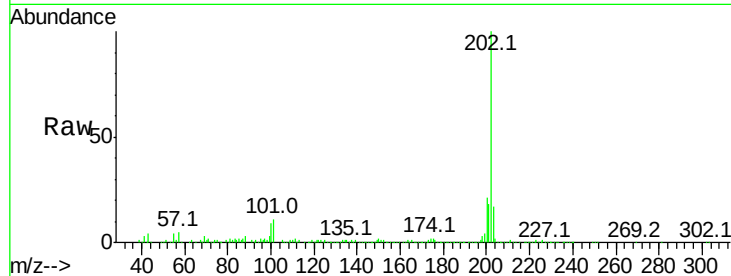
ClientSampleId :

C-1

Tot Ion:	202	Resp:	241742
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.7	26.5
203	17.2	14.7	22.1

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#78

Terphenyl-d14

Concen: 58.21 ng

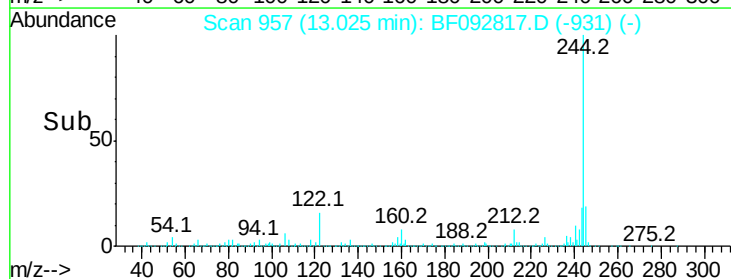
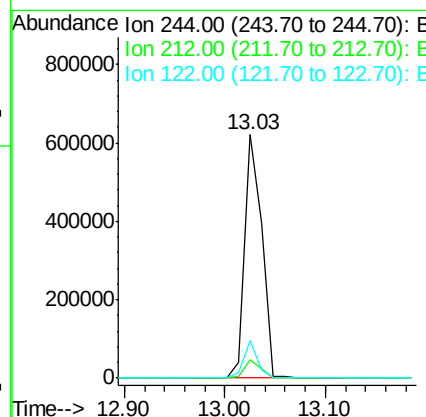
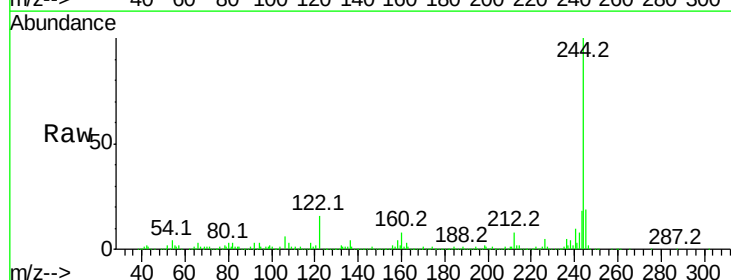
RT: 13.03 min Scan# 957

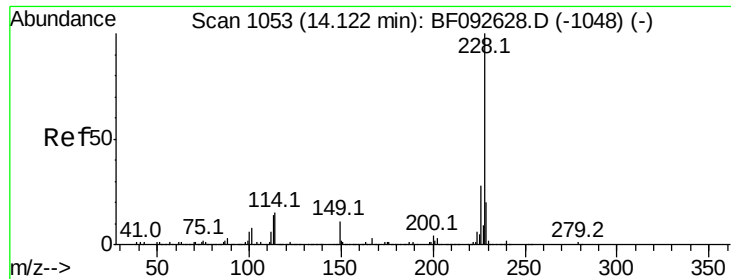
Delta R.T. 0.00 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

Tgt Ion:	244	Resp:	733583
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.2	9.2
122	15.6	11.4	17.2





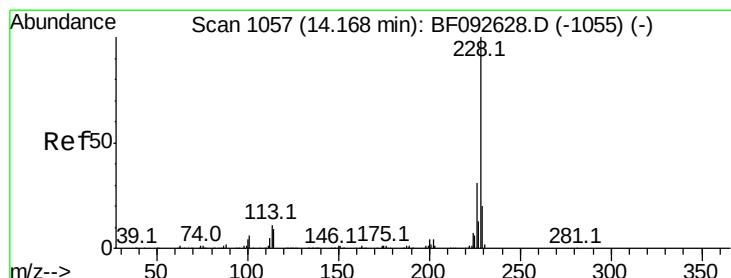
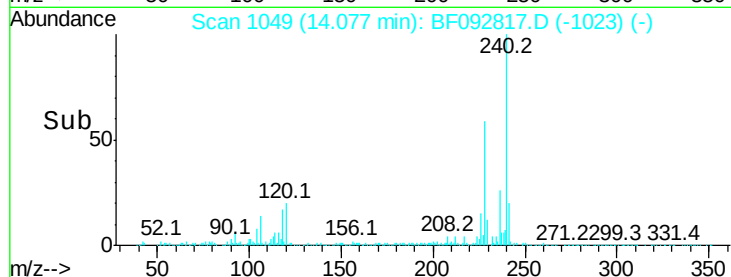
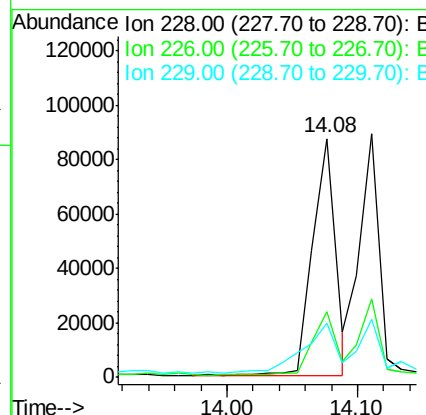
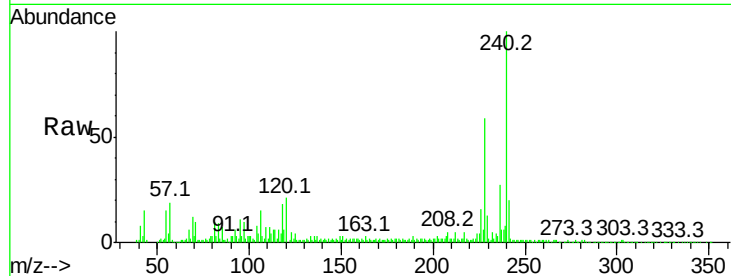
#80
Benzo(a)anthracene
Concen: 5.83 ng
RT: 14.08 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BF092817.D
Acq: 7 Feb 2017 1:05

Instrument :
BNA_F
ClientSampled :
C-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.4	33.6
229	22.9	16.2	24.4

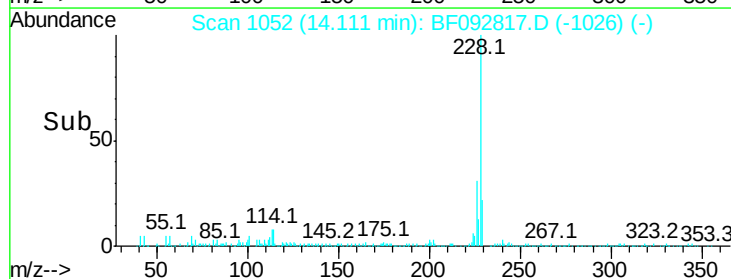
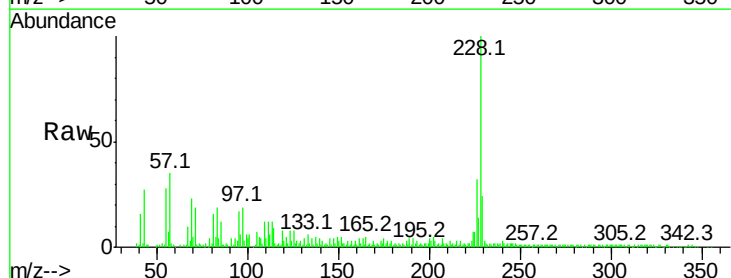
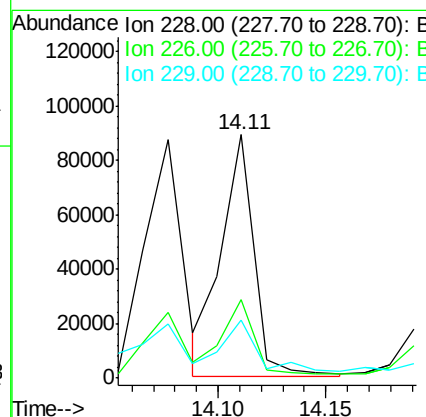
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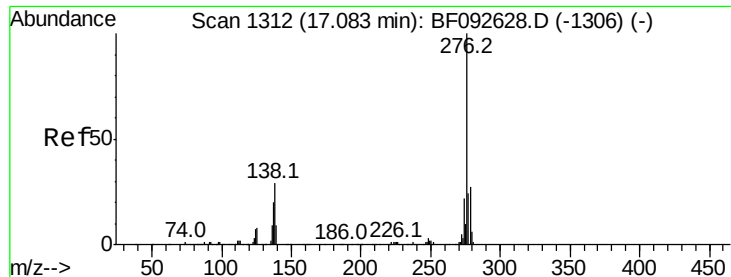
mohammad
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#82
Chrysene
Concen: 5.52 ng m
RT: 14.11 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF092817.D
Acq: 7 Feb 2017 1:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	25.4	38.0
229	23.7	16.2	24.2





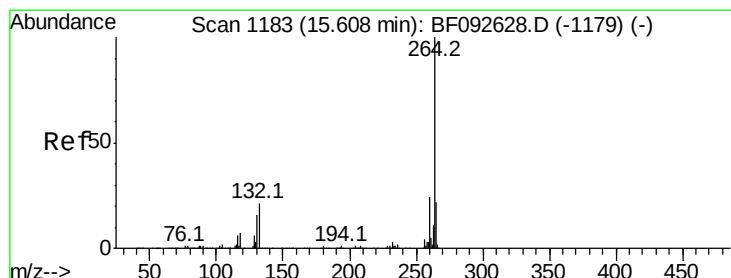
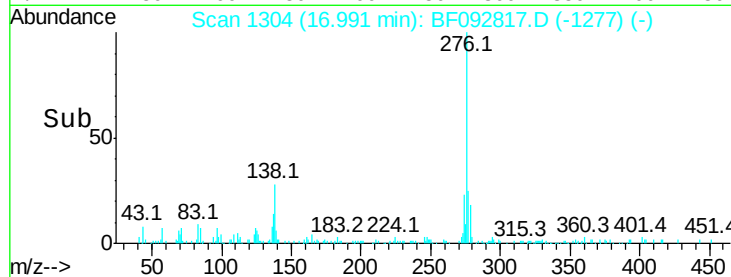
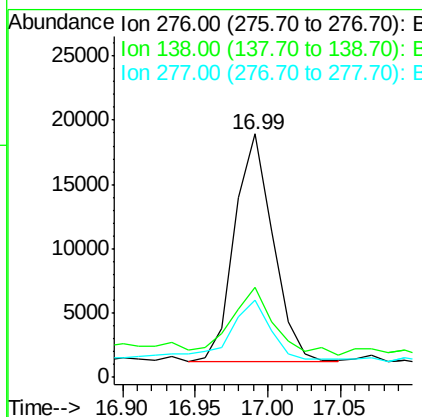
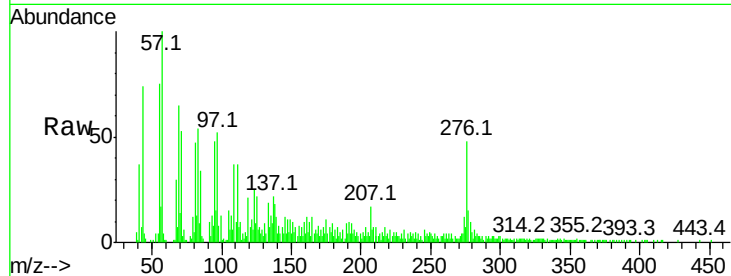
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.48 ng
 RT: 16.99 min Scan# 1304
 Delta R.T. 0.01 min
 Lab File: BF092817.D
 Acq: 7 Feb 2017 1:05

Instrument :
 BNA_F
 ClientSampled :
 C-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	33.0	21.8	32.6#
277	34.3	20.2	30.4#

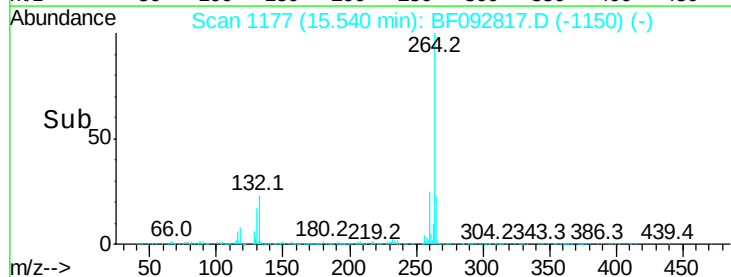
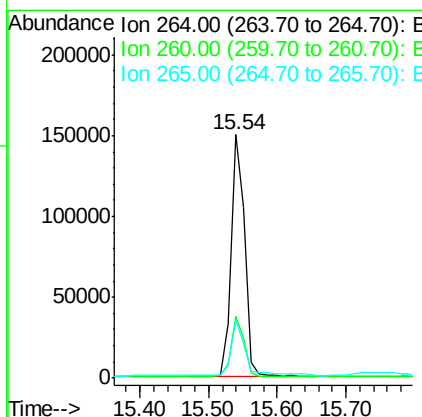
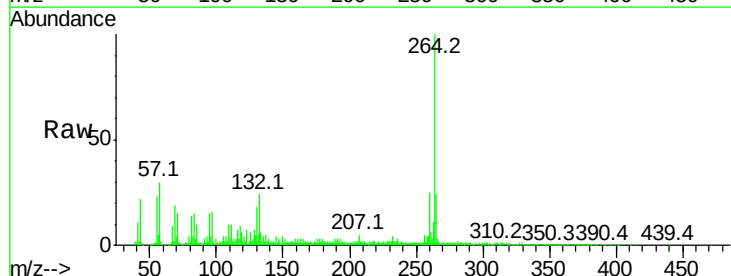
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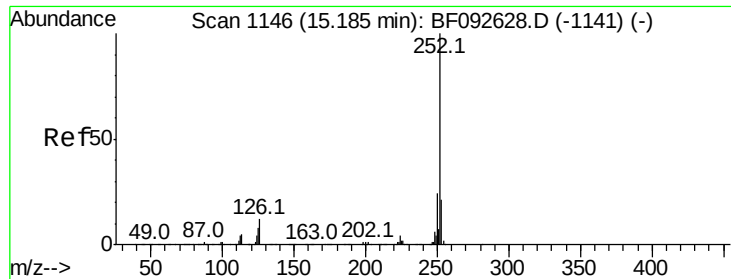
mohammad
 2/7/2017 3:14:55 PM



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.54 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: BF092817.D
 Acq: 7 Feb 2017 1:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.2	28.8
265	23.6	17.4	26.0





#87

Benzo(b)fluoranthene

Concen: 6.23 ng m

RT: 15.12 min Scan# 1140

Delta R.T. 0.00 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

Instrument :

BNA_F

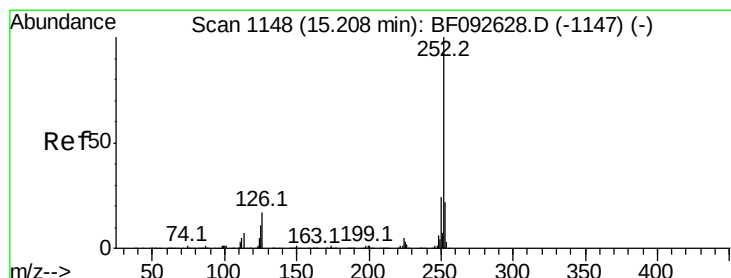
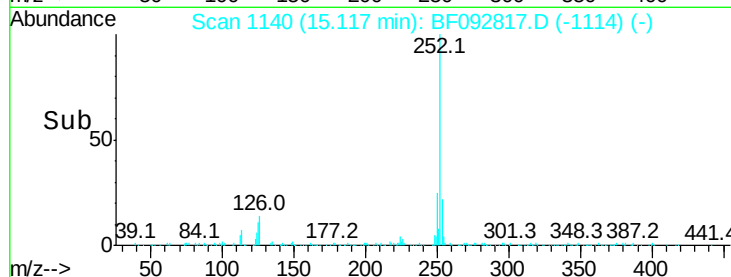
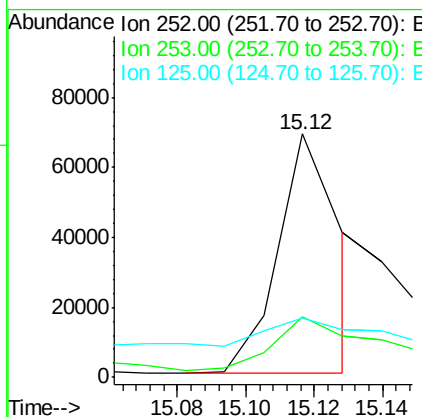
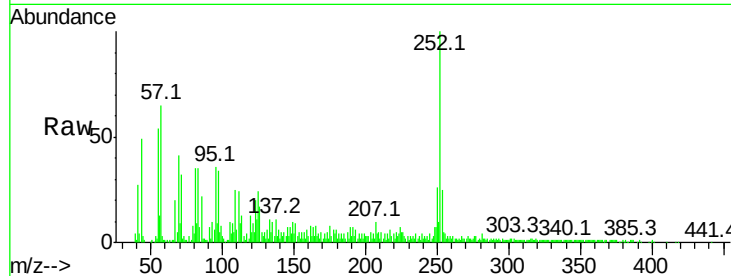
ClientSampleId :

C-1

Tot Ion:	252	Resp:	85985
Ion Ratio	Lower	Upper	
252	100		
253	24.9	18.2	27.4
125	24.3	9.8	14.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.26 ng m

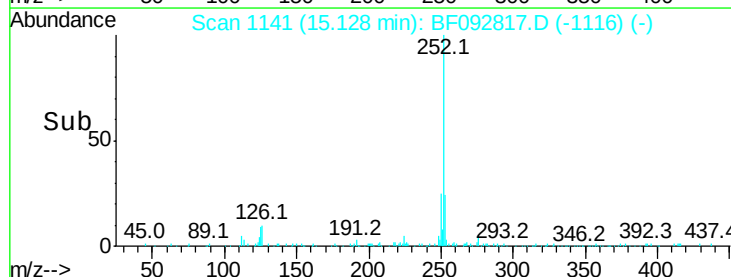
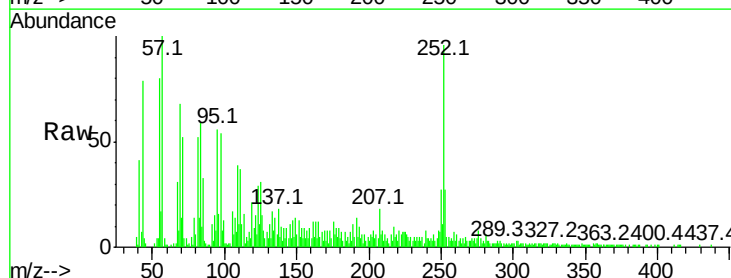
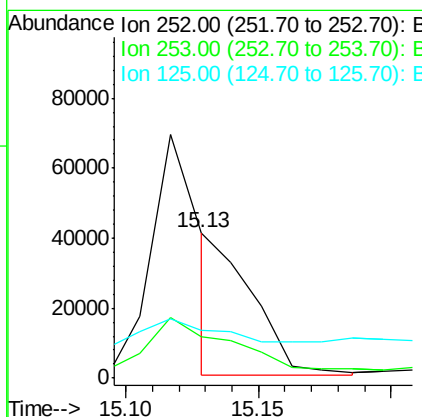
RT: 15.13 min Scan# 1141

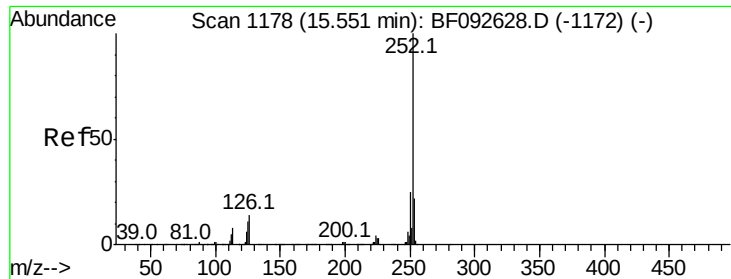
Delta R.T. -0.01 min

Lab File: BF092817.D

Acq: 7 Feb 2017 1:05

Tgt Ion:	252	Resp:	38934
Ion Ratio	Lower	Upper	
252	100		
253	28.4	18.5	27.7#
125	32.8	8.9	13.3#





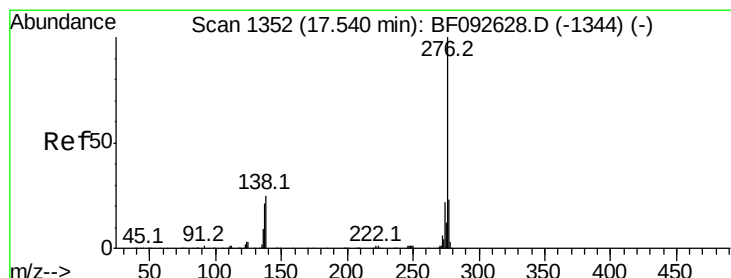
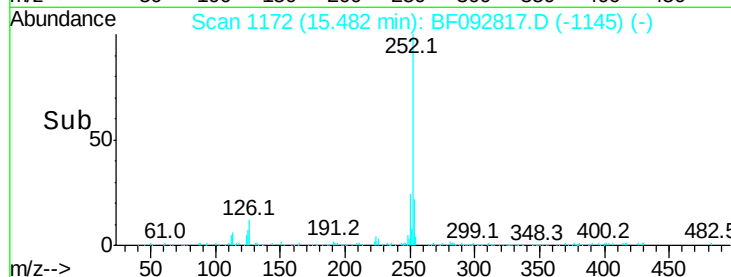
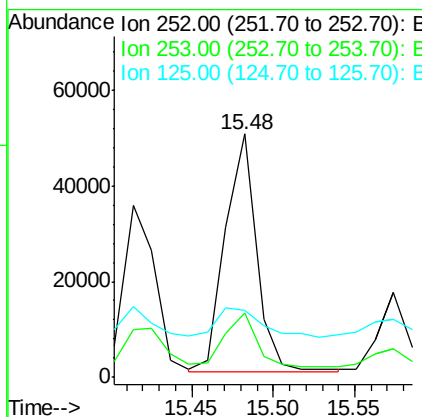
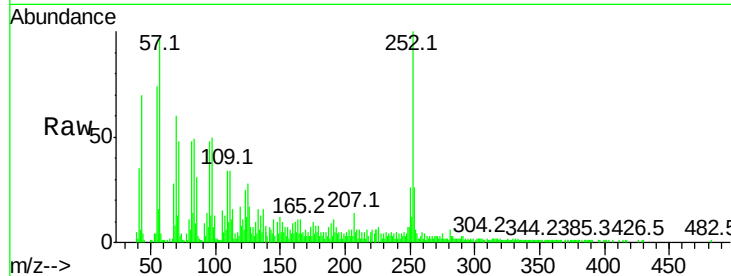
#89
Benzo(a)pyrene
Concen: 5.58 ng
RT: 15.48 min Scan# 1172
Delta R.T. 0.01 min
Lab File: BF092817.D
Acq: 7 Feb 2017 1:05

Instrument :
BNA_F
ClientSampled :
C-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.2	27.2
125	27.6	10.0	15.0#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.38 ng
RT: 17.43 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BF092817.D
Acq: 7 Feb 2017 1:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	29.2	19.2	28.8#
138	33.2	16.0	24.0#

