

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
 Data File : BF084741.D
 Acq On : 2 Feb 2016 6:04
 Operator : SJ/IZ
 Sample : H1285-22 5X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B038(5-7)

Manual Integrations
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Quant Time: Feb 02 06:40:28 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 01 14:55:11 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	168086	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	675012	20.00	ng	-0.02
38) Acenaphthene-d10	9.74	164	299673	20.00	ng	-0.02
63) Phenanthrene-d10	11.23	188	545015	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	337297	20.00	ng	-0.01
86) Perylene-d12	15.24	264	346180	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	281501	26.09	ng	-0.01
7) Phenol-d6	6.36	99	375599	28.08	ng	-0.01
23) Nitrobenzene-d5	7.28	82	223058	18.62	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	64004	20.48	ng	-0.02
44) 2-Fluorobiphenyl	9.08	172	341658	14.23	ng	-0.01
78) Terphenyl-d14	12.81	244	237597	15.96	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.02	128	111794	3.30	ng	97
48) Acenaphthylene	9.61	152	75054	2.51	ng	98
49) Dimethylphthalate	9.48	163	45845	2.01	ng	# 91
57) Fluorene	10.29	166	40008	2.01	ng	99
70) Phenanthrene	11.25	178	477424	15.79	ng	99
71) Anthracene	11.30	178	98510	3.23	ng	98
74) Fluoranthene	12.44	202	421056	13.76	ng	93
77) Pyrene	12.66	202	371806	14.40	ng	99
80) Benzo(a)anthracene	13.85	228	161968m	7.74	ng	
82) Chrysene	13.88	228	116421	5.73	ng	97
85) Indeno(1,2,3-cd)pyrene	16.55	276	155499	9.73	ng	# 92
87) Benzo(b)fluoranthene	14.87	252	194300m	8.35	ng	
88) Benzo(k)fluoranthene	14.88	252	44328m	2.30	ng	
89) Benzo(a)pyrene	15.19	252	151282	7.63	ng	# 95
91) Benzo(a,h,i)perylene	16.93	276	178019	10.59	ng	97

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

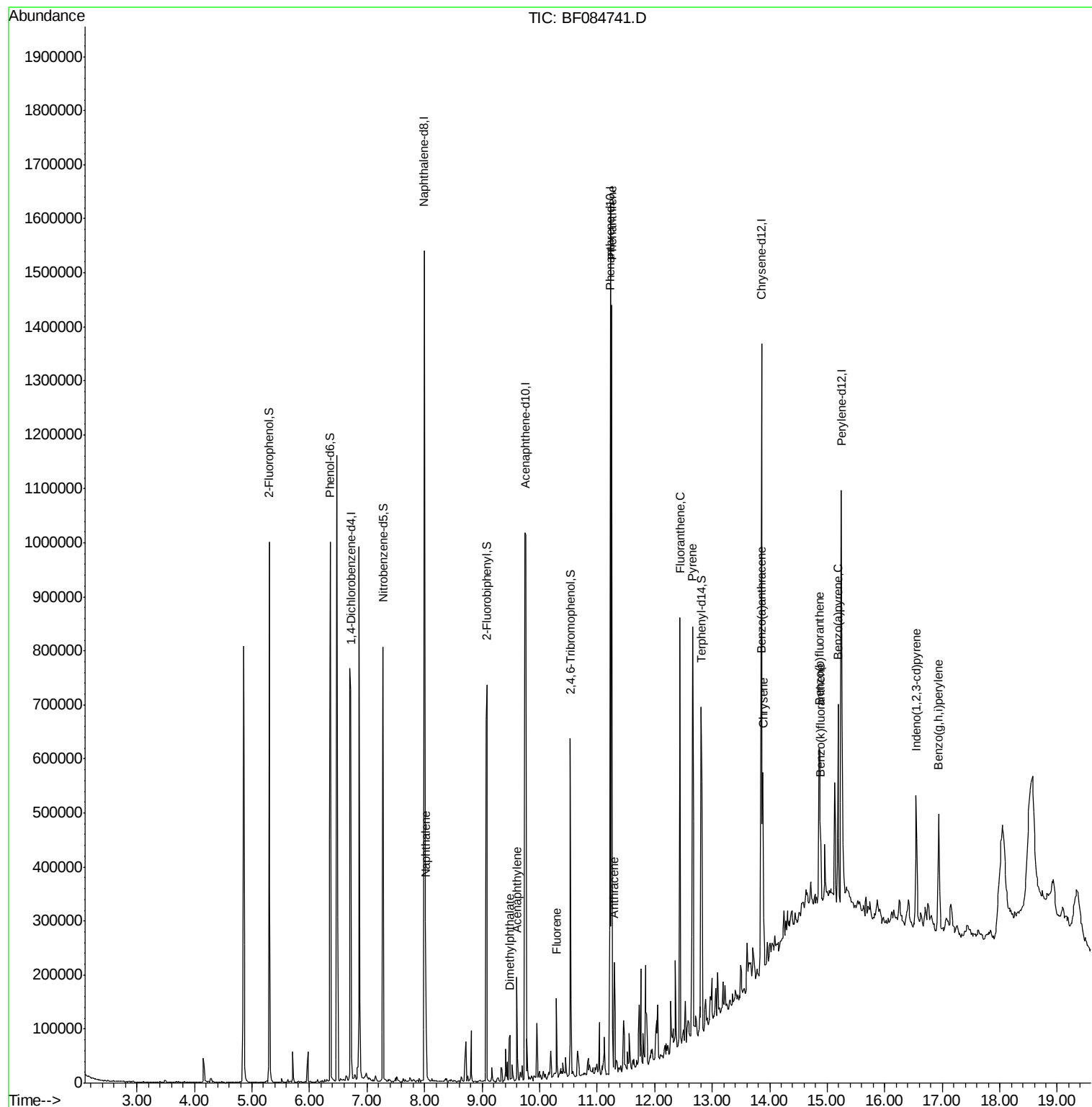
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
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ALS Vial : 39 Sample Multiplier: 1

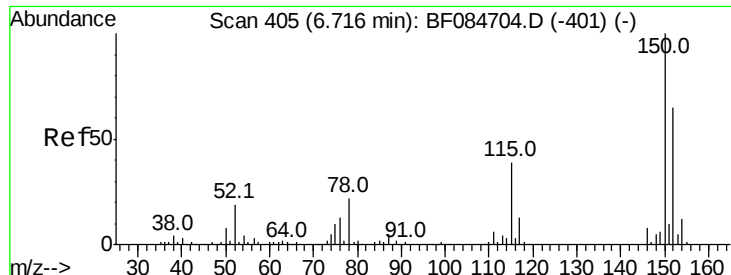
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#1

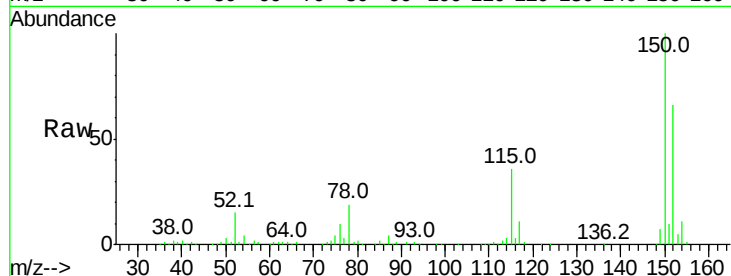
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 405
Delta R.T. -0.01 min
Lab File: BF084741.D
Acq: 2 Feb 2016 6:04

Instrument :
BNA_F
ClientSampleId :
SUP-B038(5-7)

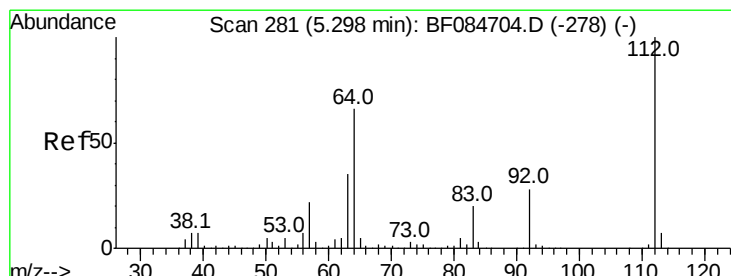
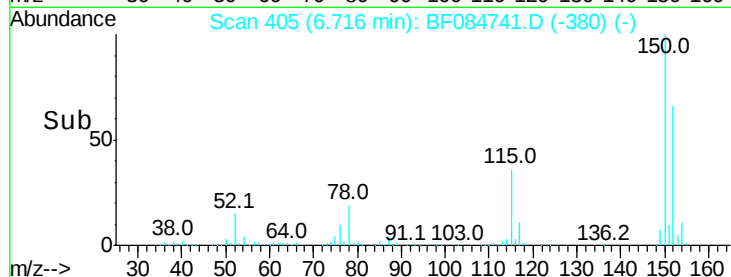
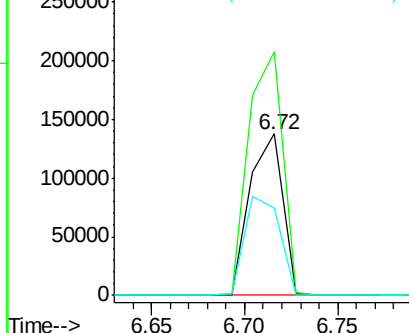
Tot Ion	Ratio	Lower	Upper
152	100		
150	151.1	123.0	184.4
115	54.5	51.4	77.2

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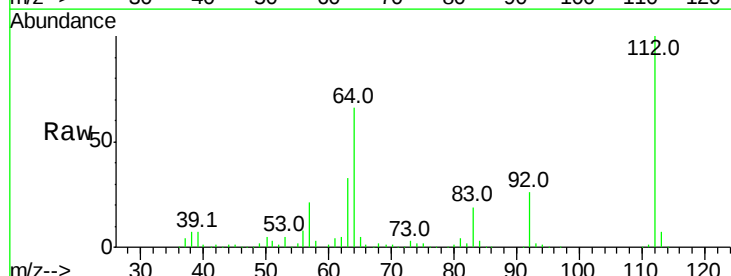
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



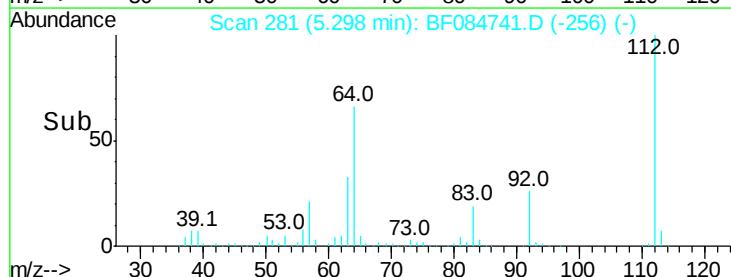
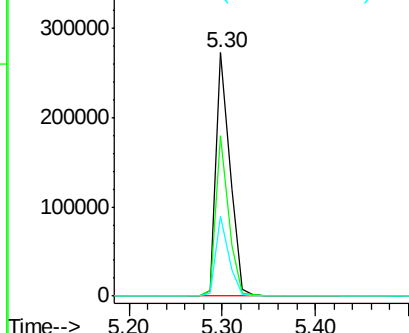
#5

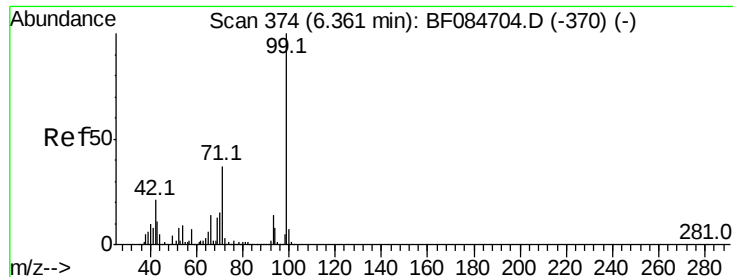
2-Fluorophenol
Concen: 26.09 ng
RT: 5.30 min Scan# 281
Delta R.T. -0.01 min
Lab File: BF084741.D
Acq: 2 Feb 2016 6:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.1	36.6	55.0#
63	32.9	19.4	29.0#



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: 28.08 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF084741.D

Acq: 2 Feb 2016 6:04

Instrument :

BNA_F

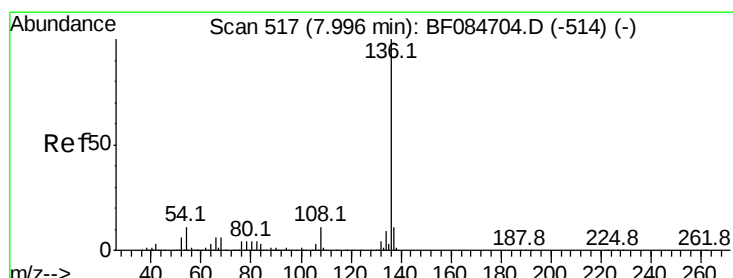
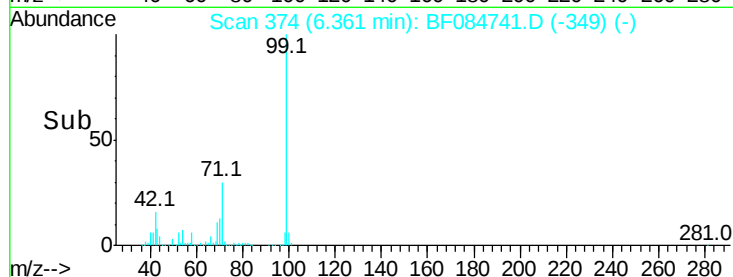
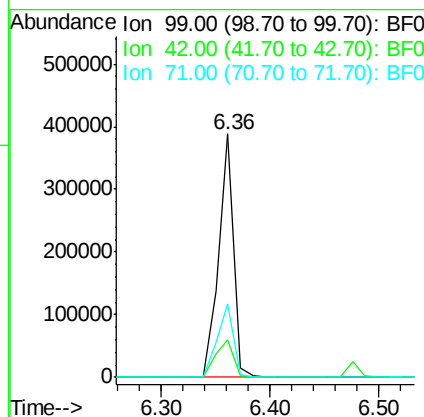
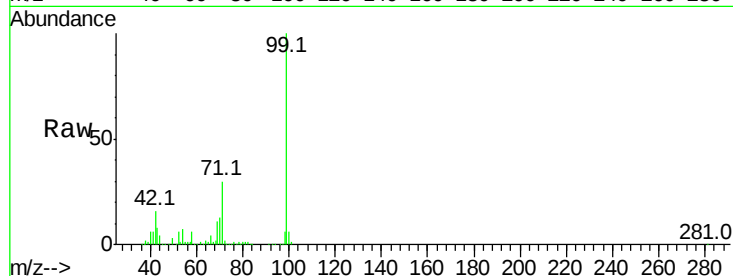
ClientSampleId :

SUP-B038(5-7)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		375599		
42	15.6	12.8	19.2		
71	30.4	30.9	46.3#		

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#21

Naphthalene-d8

Concen: 20.00 ng

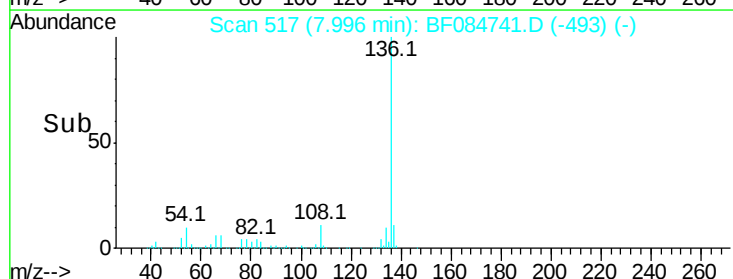
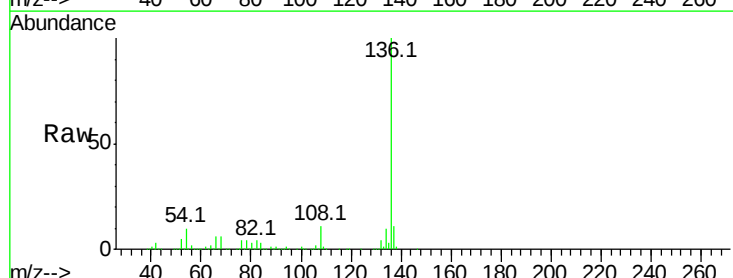
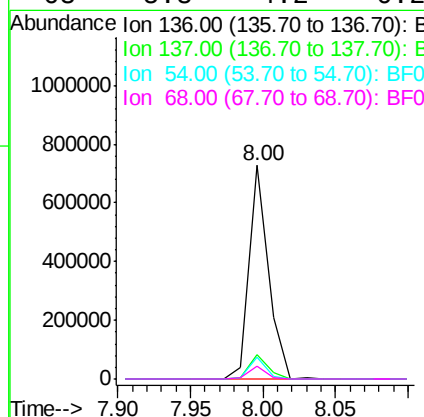
RT: 8.00 min Scan# 517

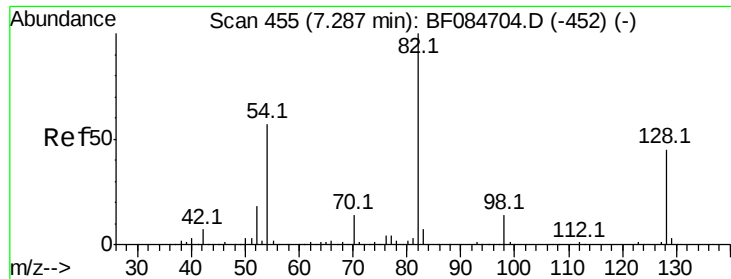
Delta R.T. -0.02 min

Lab File: BF084741.D

Acq: 2 Feb 2016 6:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		675012		
137	11.4	8.7	13.1		
54	10.2	5.8	8.8#		
68	5.8	4.2	6.2		





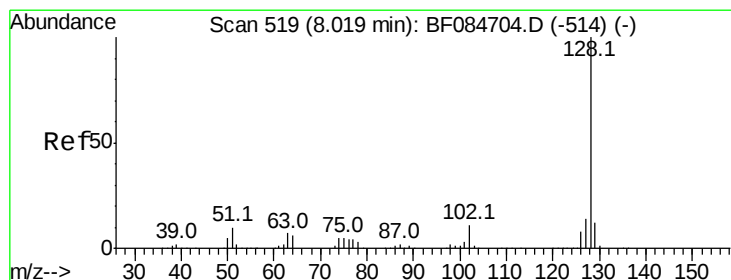
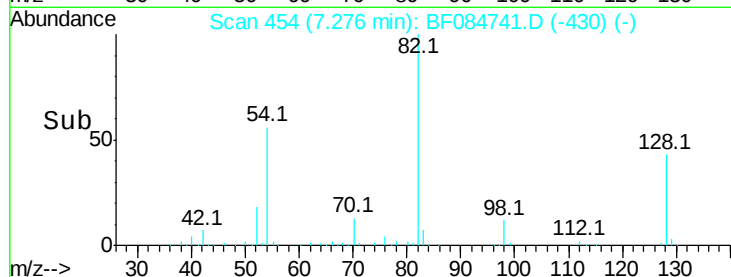
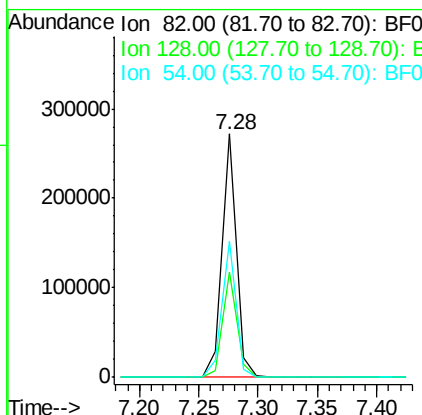
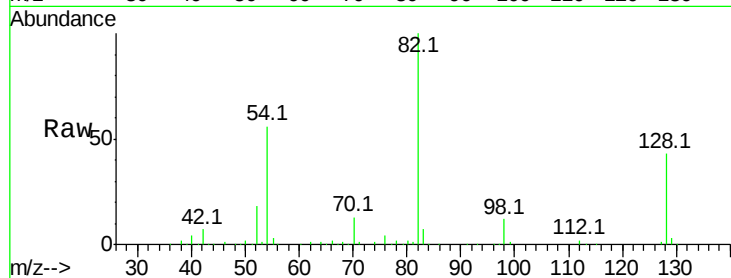
#23
 Nitrobenzene-d5
 Concen: 18.62 ng
 RT: 7.28 min Scan# 454
 Delta R.T. -0.02 min
 Lab File: BF084741.D
 Acq: 2 Feb 2016 6:04

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B038(5-7)

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	43.5	34.6	51.8
54	55.7	38.4	57.6

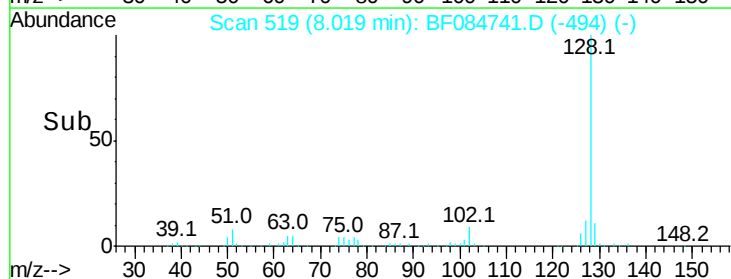
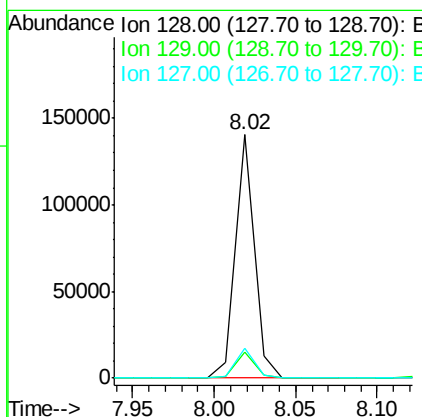
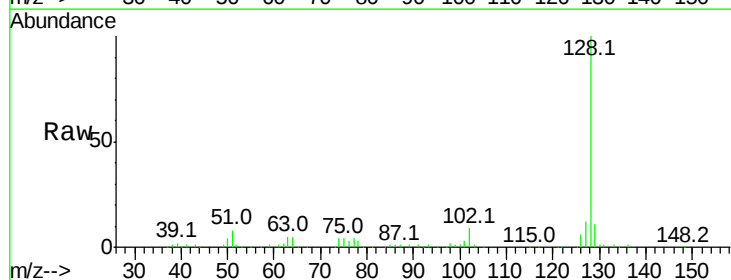
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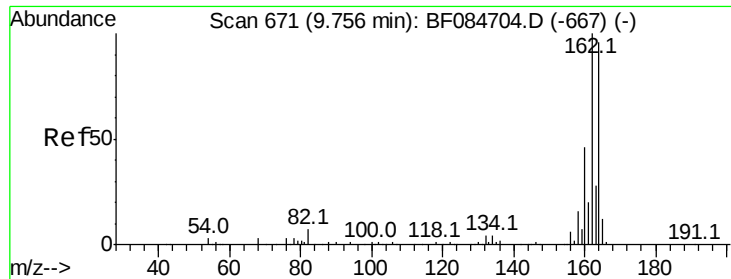
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#31
 Naphthalene
 Concen: 3.30 ng
 RT: 8.02 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: BF084741.D
 Acq: 2 Feb 2016 6:04

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	10.6	9.1	13.7
127	12.3	11.1	16.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 670

Delta R.T. -0.02 min

Lab File: BF084741.D

Acq: 2 Feb 2016 6:04

Instrument :

BNA_F

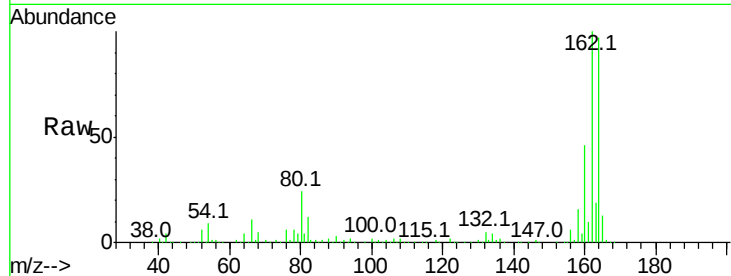
ClientSampleId :

SUP-B038(5-7)

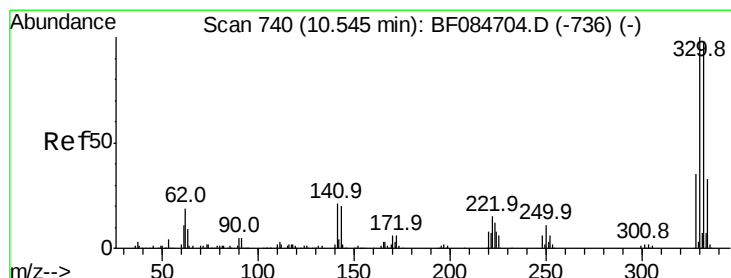
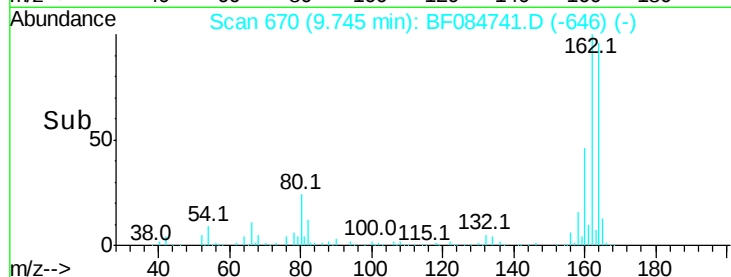
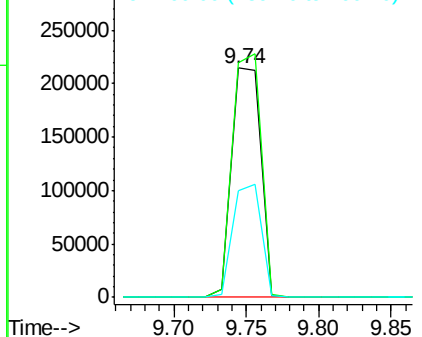
Tot Ion:	164	Resp:	299673
Ion Ratio	Lower	Upper	
164	100		
162	102.7	85.1	127.7
160	46.8	37.5	56.3

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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: 20.48 ng

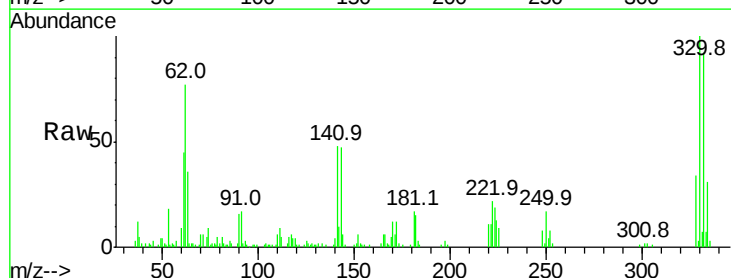
RT: 10.53 min Scan# 739

Delta R.T. -0.02 min

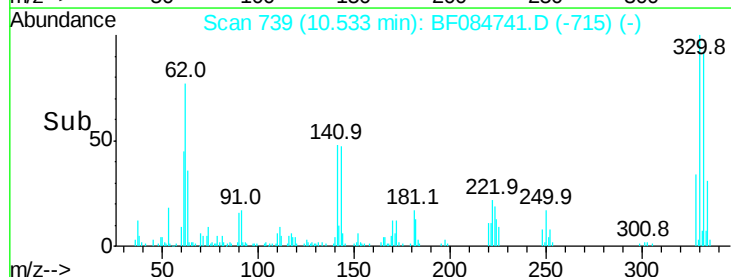
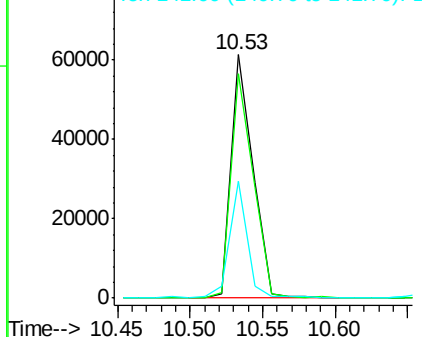
Lab File: BF084741.D

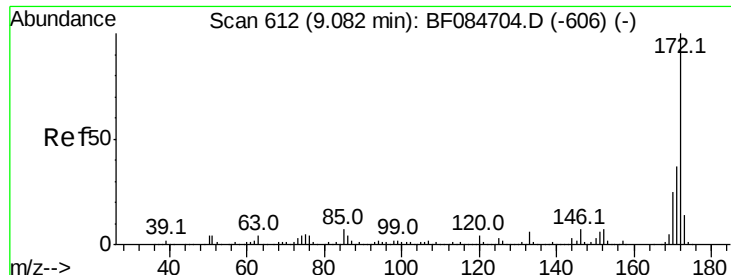
Acq: 2 Feb 2016 6:04

Tgt Ion:	330	Resp:	64004
Ion Ratio	Lower	Upper	
330	100		
332	93.9	76.6	114.8
141	40.2	27.8	41.6



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





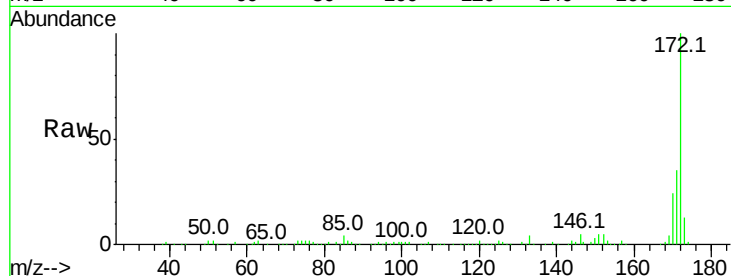
#44
 2-Fluorobiphenyl
 Concen: 14.23 ng
 RT: 9.08 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: BF084741.D
 Acq: 2 Feb 2016 6:04

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B038(5-7)

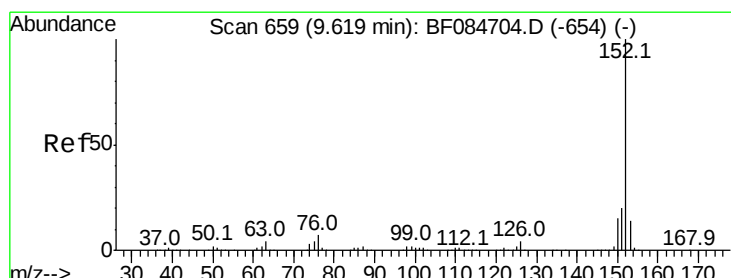
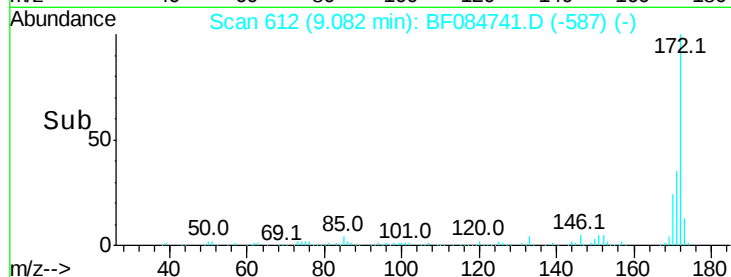
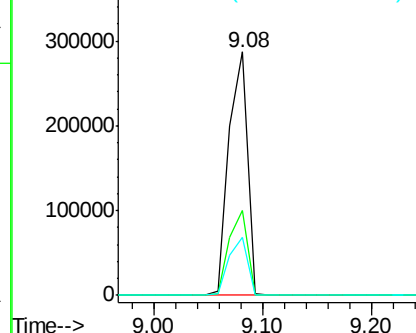
Tot Ion:	172	Resp:	341658
Ion Ratio	Lower	Upper	
172	100		
171	35.0	28.9	43.3
170	23.7	18.6	27.8

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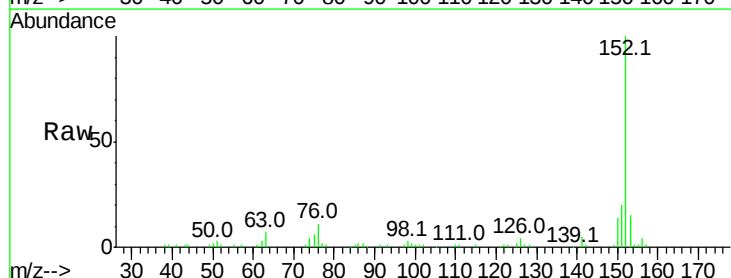


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

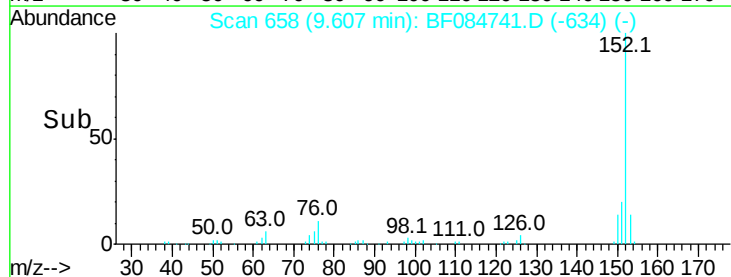
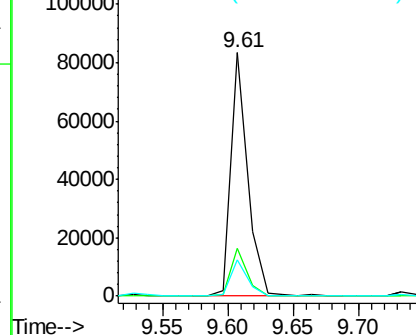


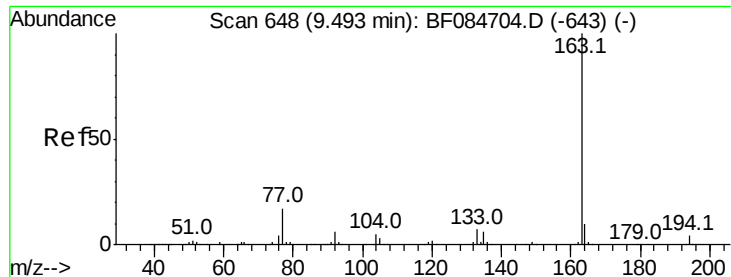
#48
 Acenaphthylene
 Concen: 2.51 ng
 RT: 9.61 min Scan# 658
 Delta R.T. -0.02 min
 Lab File: BF084741.D
 Acq: 2 Feb 2016 6:04

Tgt Ion:	152	Resp:	75054
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.3	24.5
153	14.7	10.4	15.6



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 2.01 ng

RT: 9.48 min Scan# 647

Delta R.T. -0.02 min

Lab File: BF084741.D

Acq: 2 Feb 2016 6:04

Instrument :

BNA_F

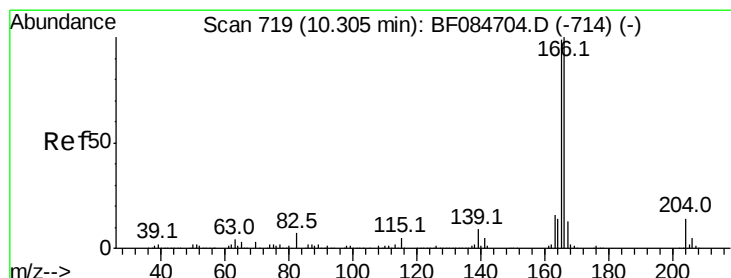
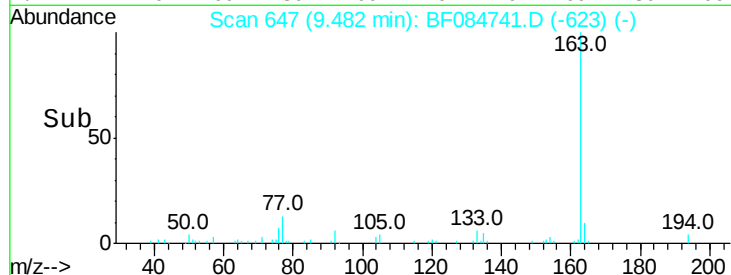
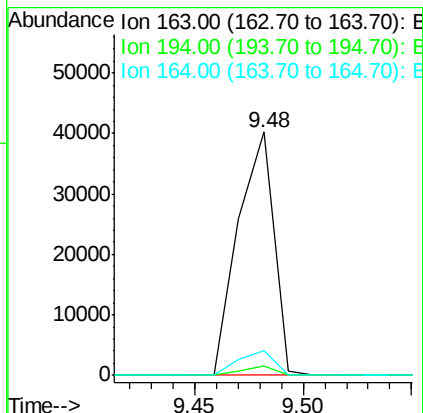
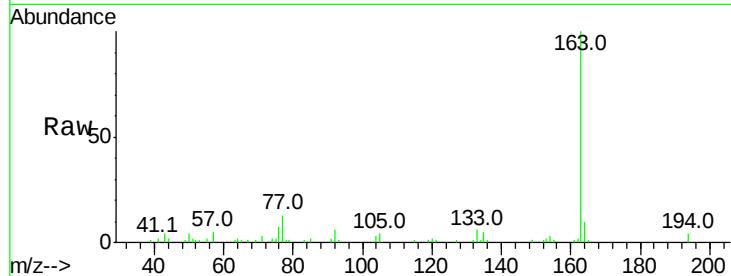
ClientSampleId :

SUP-B038(5-7)

Tot Ion:	163	Resp:	45845
Ion Ratio	Lower	Upper	
163	100		
194	3.9	8.0	12.0#
164	10.3	8.0	12.0

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#57

Fluorene

Concen: 2.01 ng

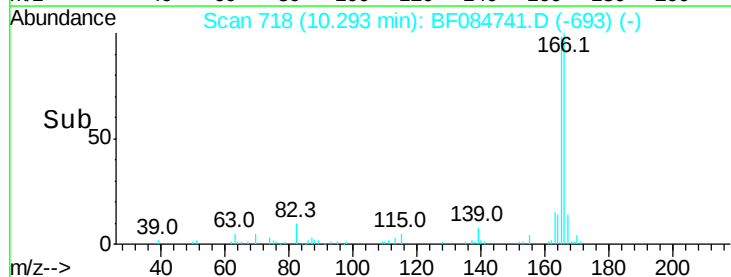
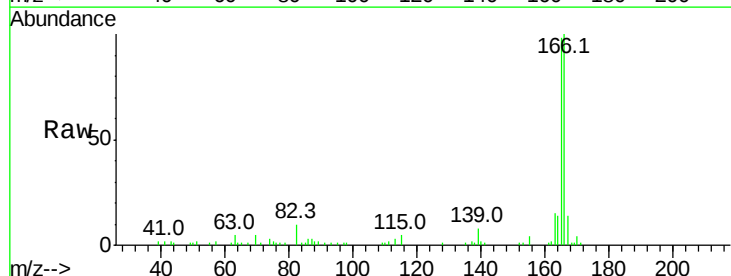
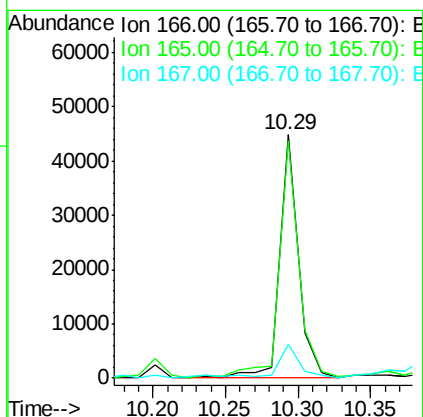
RT: 10.29 min Scan# 718

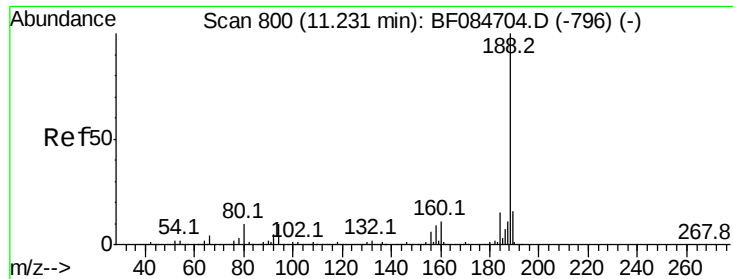
Delta R.T. -0.01 min

Lab File: BF084741.D

Acq: 2 Feb 2016 6:04

Tgt Ion:	166	Resp:	40008
Ion Ratio	Lower	Upper	
166	100		
165	97.6	79.1	118.7
167	13.7	10.4	15.6





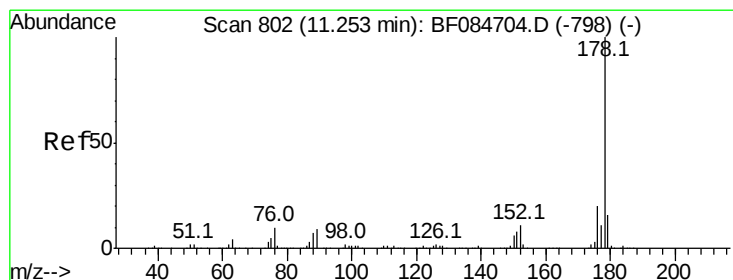
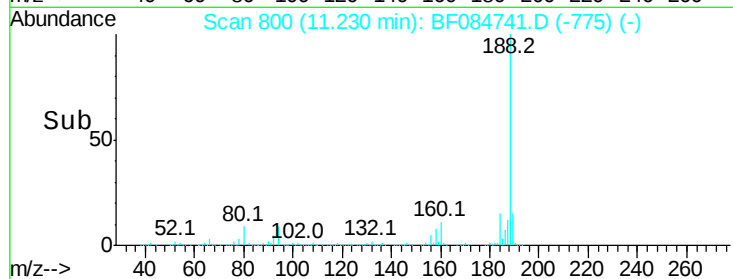
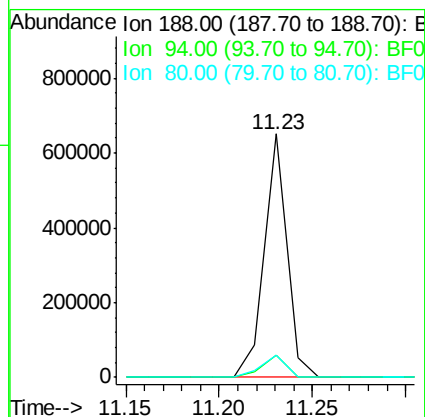
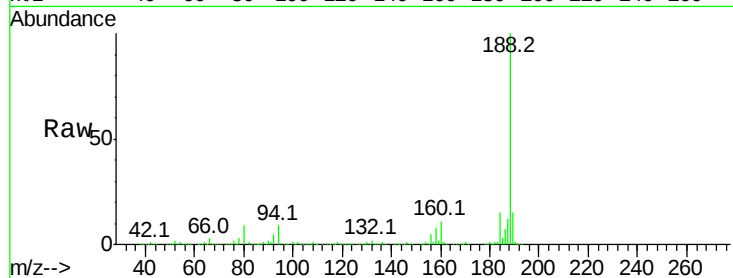
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF084741.D
Acq: 2 Feb 2016 6:04

Instrument :
BNA_F
ClientSampleId :
SUP-B038(5-7)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.2	9.0	13.4
80	9.2	9.6	14.4#

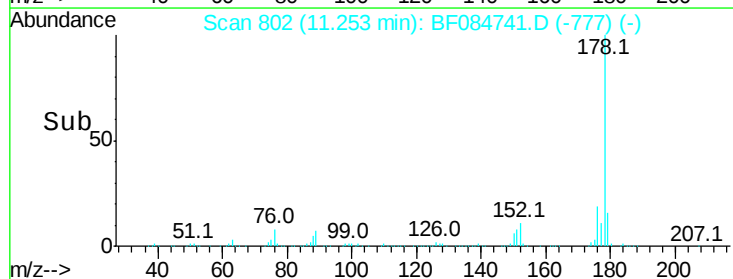
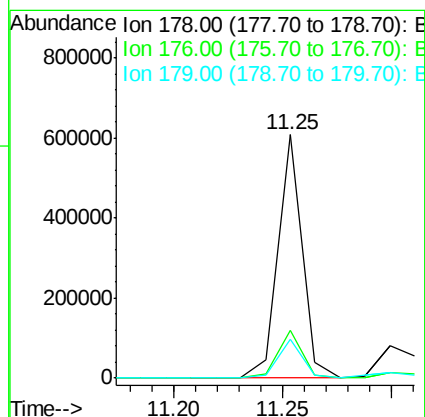
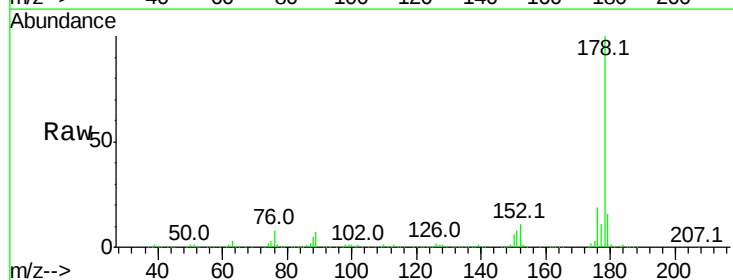
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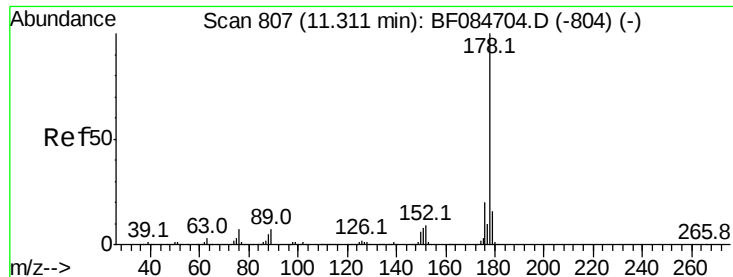
mohammad
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#70
Phenanthrene
Concen: 15.79 ng
RT: 11.25 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF084741.D
Acq: 2 Feb 2016 6:04

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.5	15.3	22.9
179	15.9	12.0	18.0





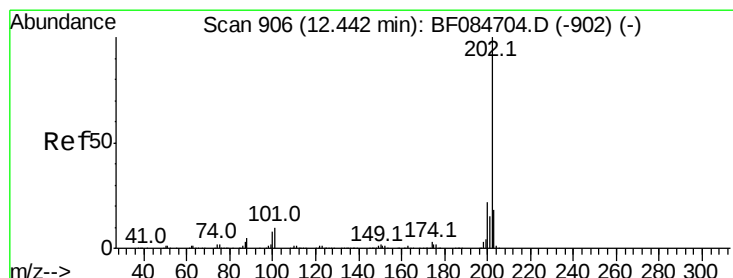
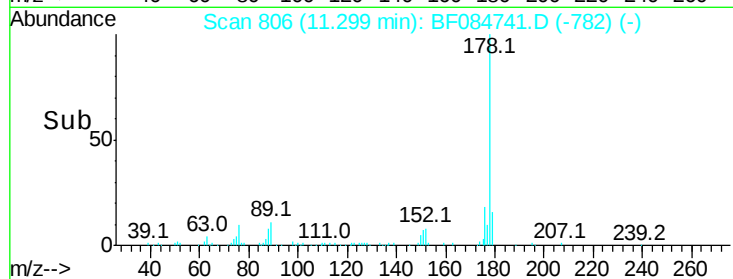
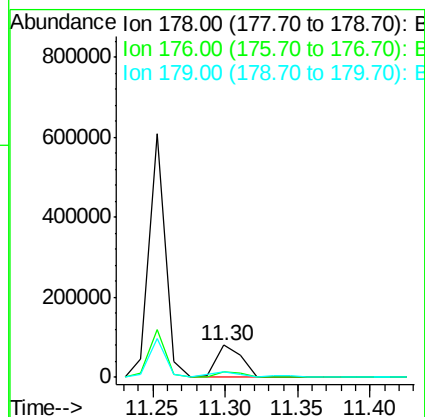
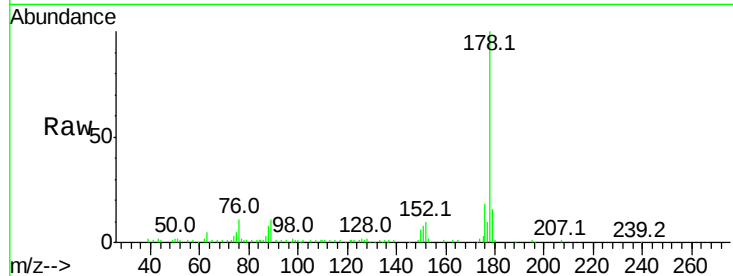
#71
 Anthracene
 Concen: 3.23 ng
 RT: 11.30 min Scan# 806
 Delta R.T. -0.02 min
 Lab File: BF084741.D
 Acq: 2 Feb 2016 6:04

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B038(5-7)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.0
179	15.5	12.5	18.7

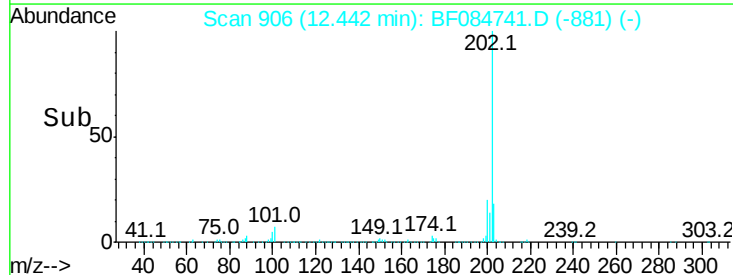
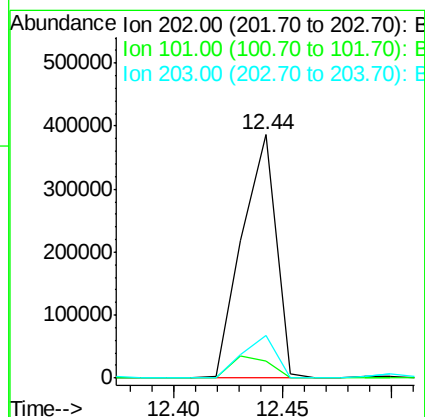
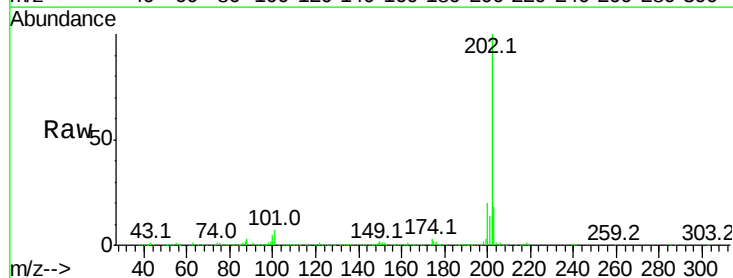
Manual Integrations
 APPROVED

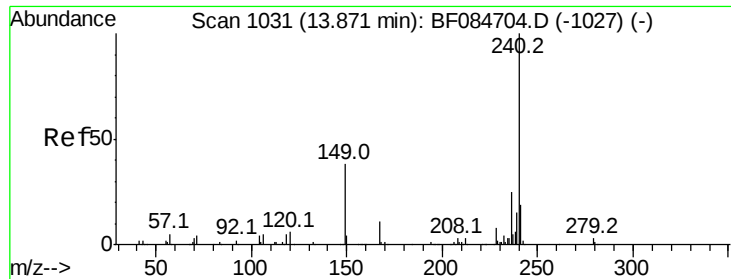
mohammad
 2/2/2016 4:19:11 PM



#74
 Fluoranthene
 Concen: 13.76 ng
 RT: 12.44 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF084741.D
 Acq: 2 Feb 2016 6:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.9	0.0	32.8
203	17.7	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF084741.D

Acq: 2 Feb 2016 6:04

Instrument :

BNA_F

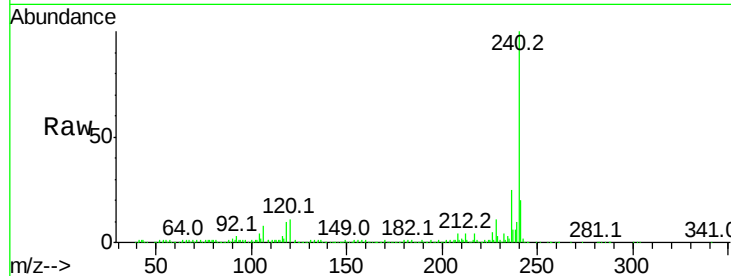
ClientSampleId :

SUP-B038(5-7)

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	11.2	9.5	14.3	
236	25.1	20.6	31.0	

Manual Integrations
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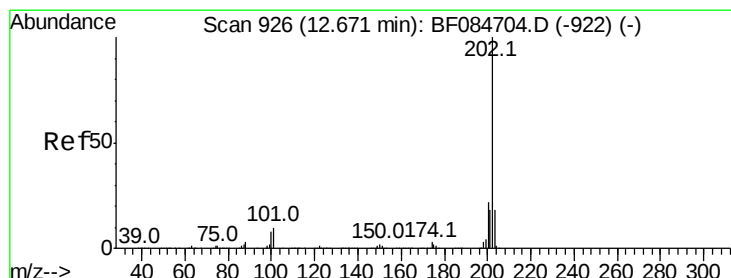
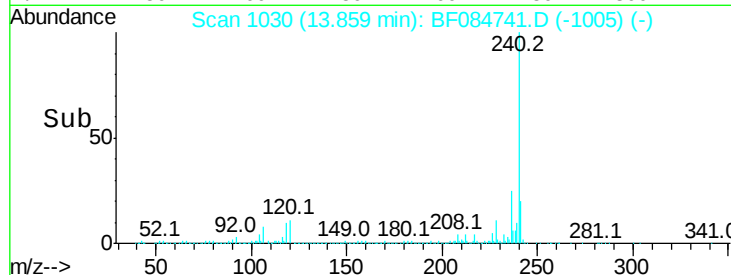
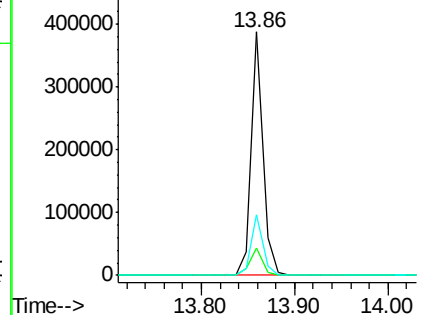
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 14.40 ng

RT: 12.66 min Scan# 925

Delta R.T. -0.02 min

Lab File: BF084741.D

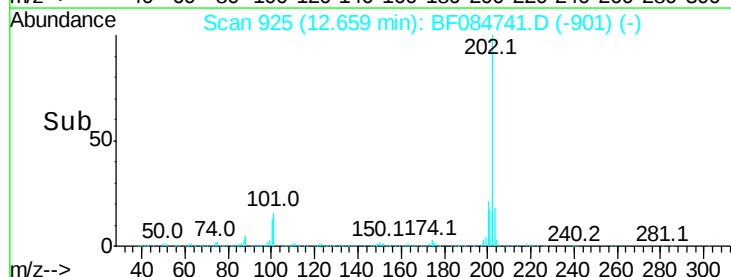
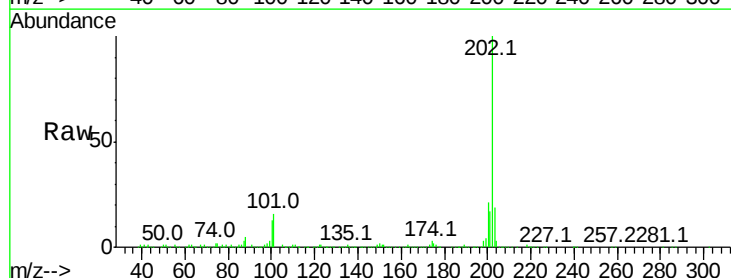
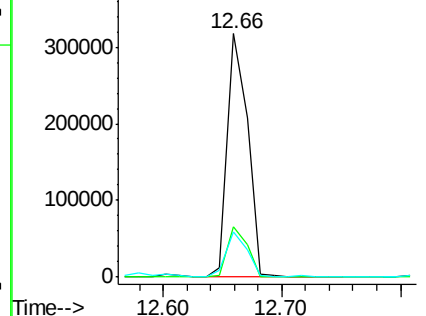
Acq: 2 Feb 2016 6:04

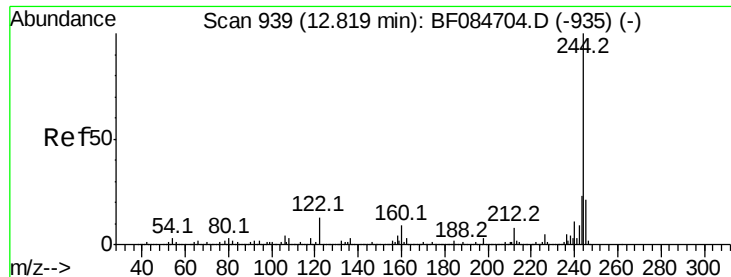
Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.9	17.2	25.8	
203	18.5	14.3	21.5	

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 15.96 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.02 min

Lab File: BF084741.D

Acq: 2 Feb 2016 6:04

Instrument :

BNA_F

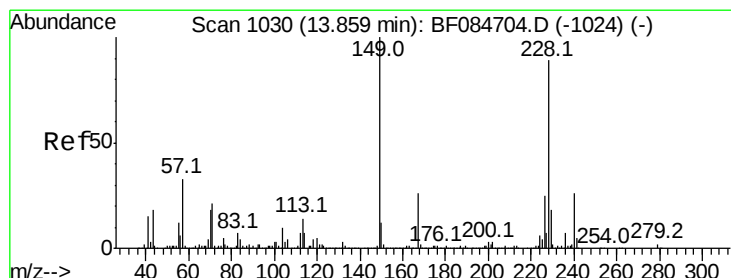
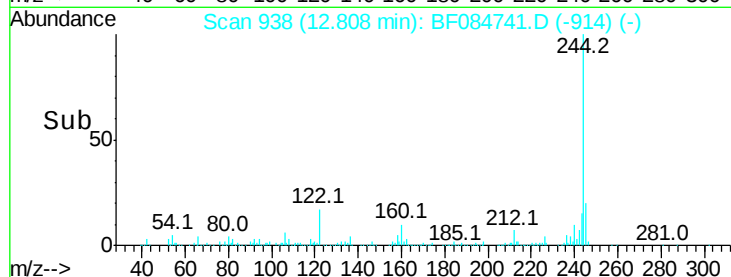
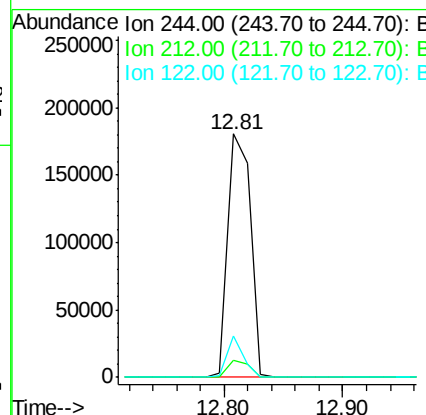
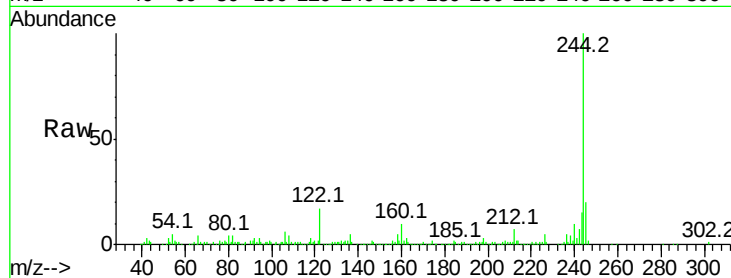
ClientSampleId :

SUP-B038(5-7)

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.8	5.7	8.5	
122	17.0	7.4	11.0	

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 7.74 ng m

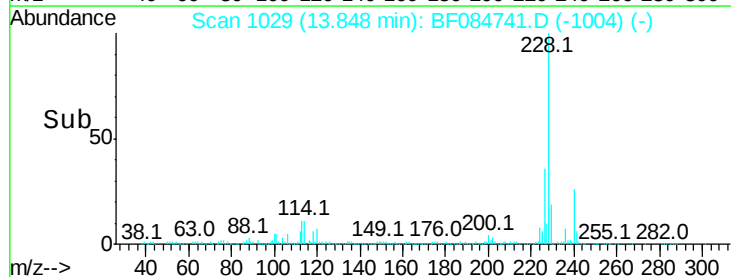
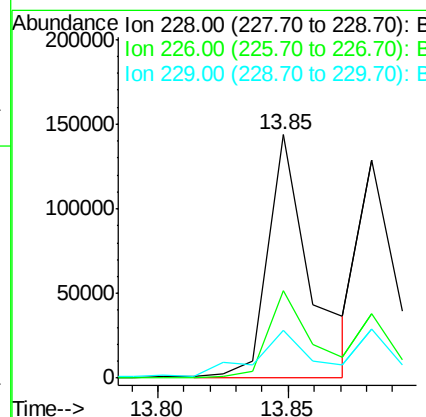
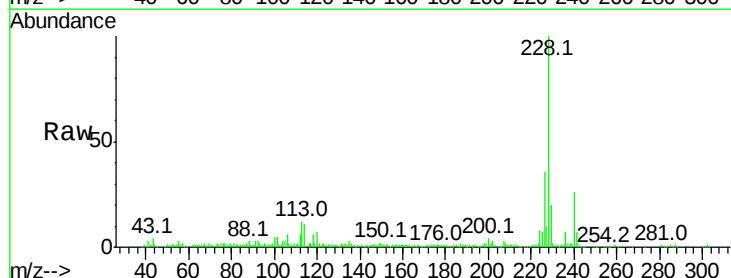
RT: 13.85 min Scan# 1029

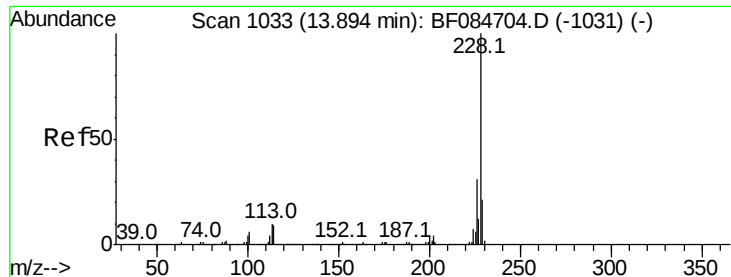
Delta R.T. -0.01 min

Lab File: BF084741.D

Acq: 2 Feb 2016 6:04

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	36.2	21.8	32.6	
229	19.7	15.8	23.8	





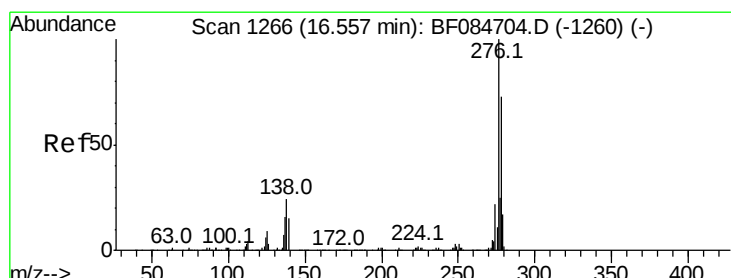
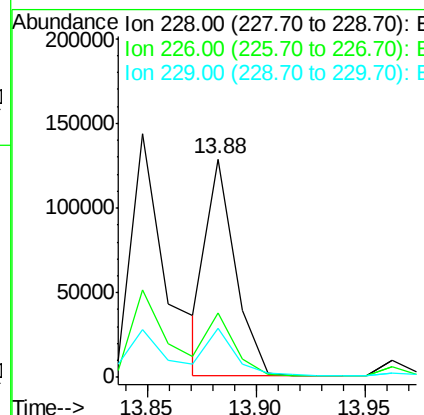
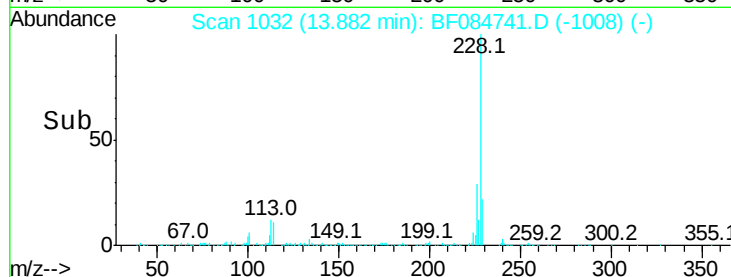
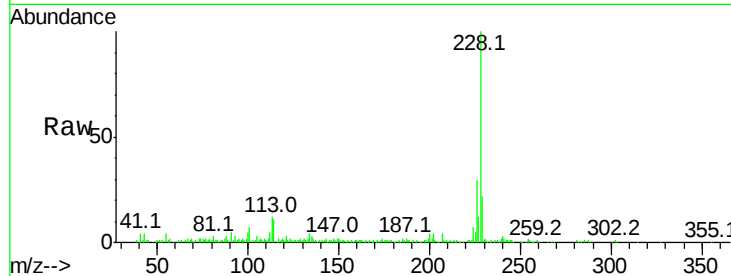
#82
Chrysene
Concen: 5.73 ng
RT: 13.88 min Scan# 1032
Delta R.T. -0.02 min
Lab File: BF084741.D
Acq: 2 Feb 2016 6:04

Instrument :
BNA_F
ClientSampleId :
SUP-B038(5-7)

Tot Ion:	228	Resp:	116421
Ion Ratio	Lower	Upper	
228	100		
226	29.6	24.3	36.5
229	22.3	16.1	24.1

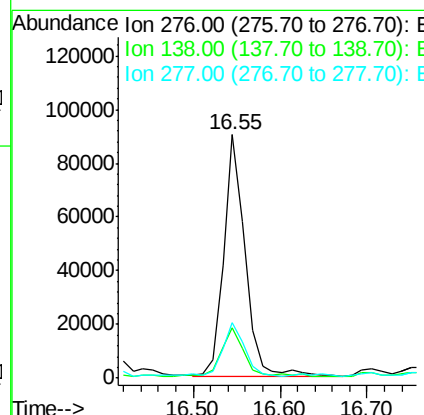
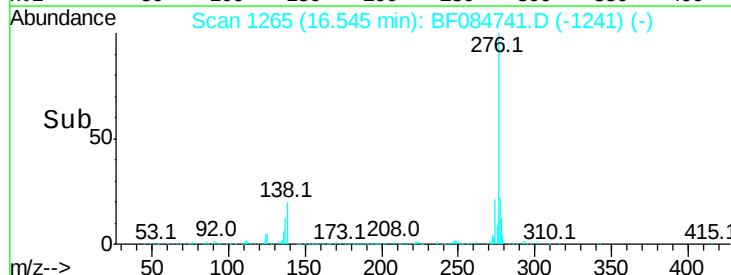
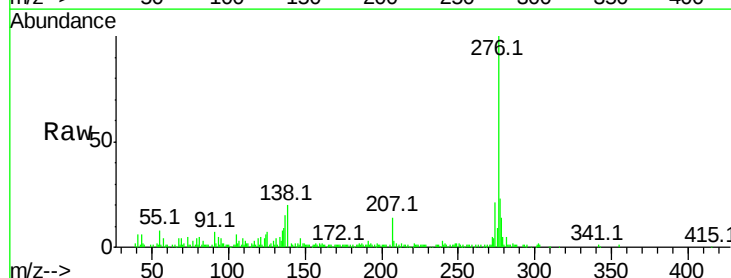
Manual Integrations
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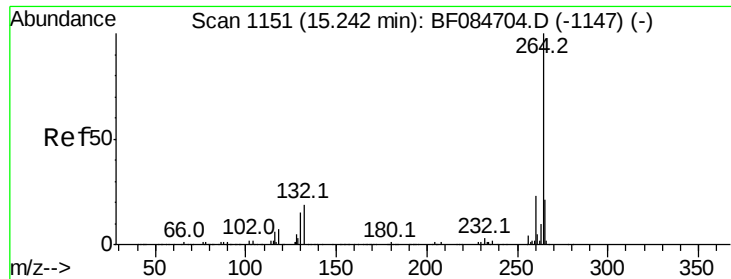
mohammad
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#85
Indeno(1,2,3-cd)pyrene
Concen: 9.73 ng
RT: 16.55 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BF084741.D
Acq: 2 Feb 2016 6:04

Tgt Ion:	276	Resp:	155499
Ion Ratio	Lower	Upper	
276	100		
138	19.9	20.6	30.8#
277	23.2	20.1	30.1





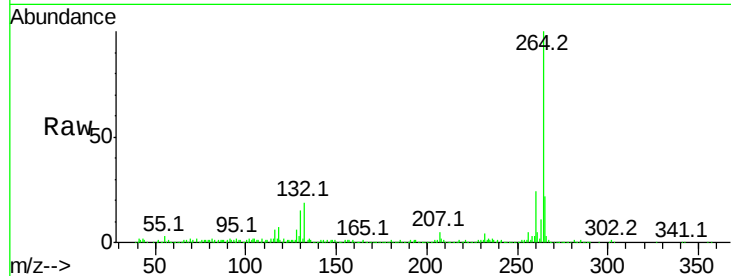
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF084741.D
Acq: 2 Feb 2016 6:04

Instrument :
BNA_F
ClientSampleId :
SUP-B038(5-7)

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	23.5	19.4	29.2
265	22.5	17.8	26.6

Manual Integrations
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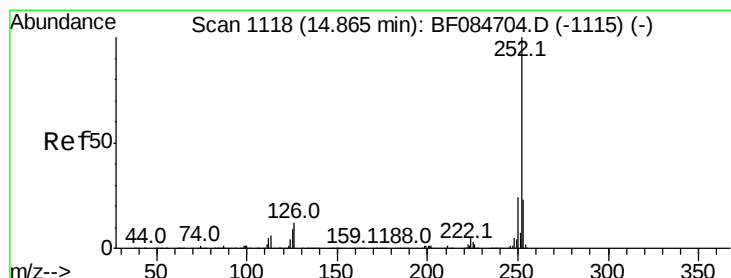
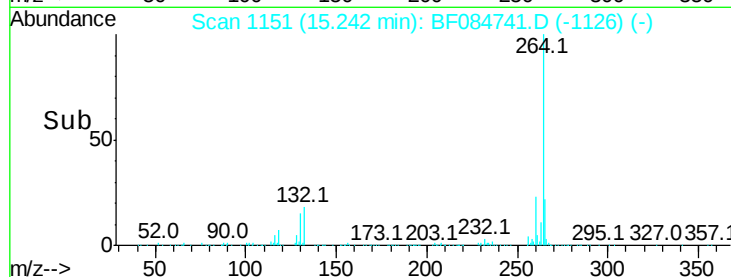
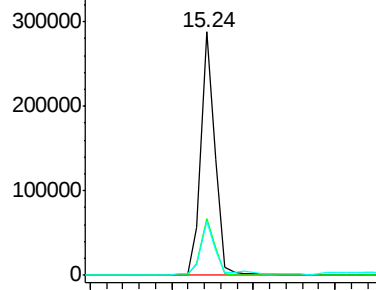


Abundance

Ion 264.00 (263.70 to 264.70): E

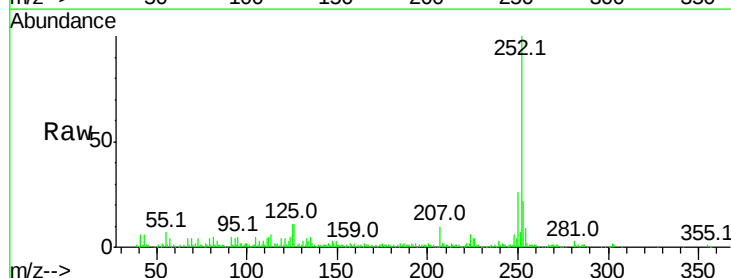
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 8.35 ng m
RT: 14.87 min Scan# 1118
Delta R.T. -0.01 min
Lab File: BF084741.D
Acq: 2 Feb 2016 6:04

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.4	17.3	25.9
125	10.7	6.5	9.7#

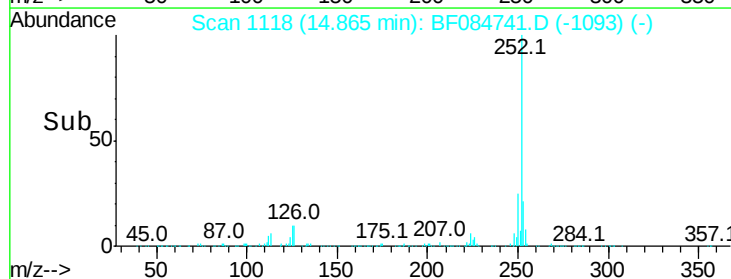
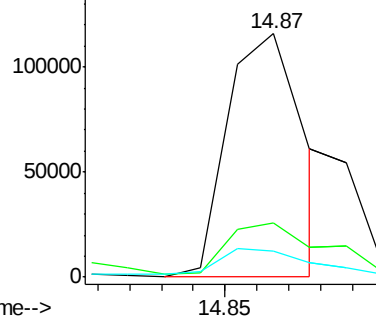


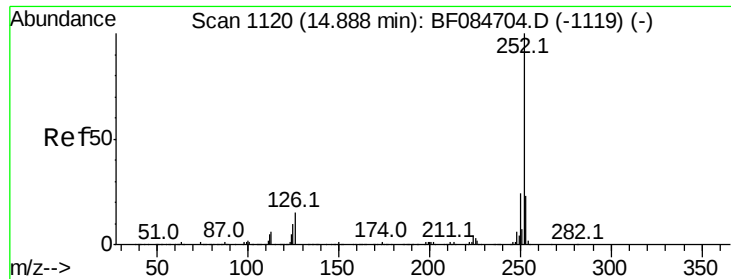
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





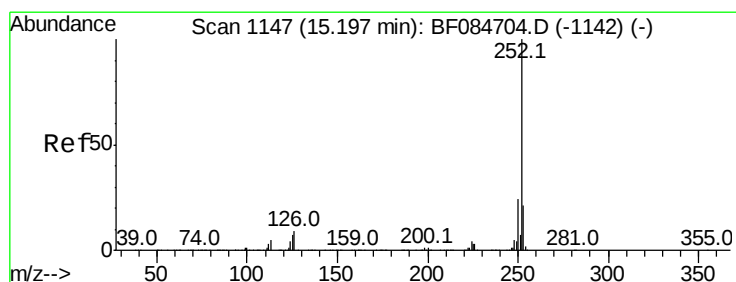
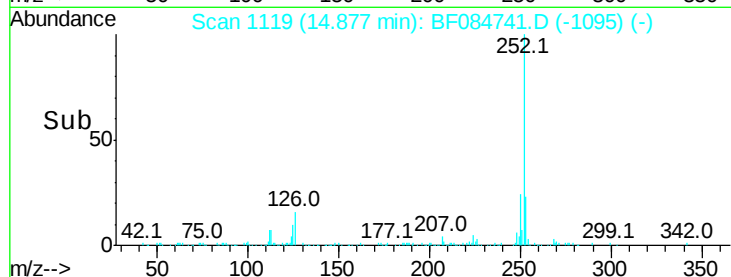
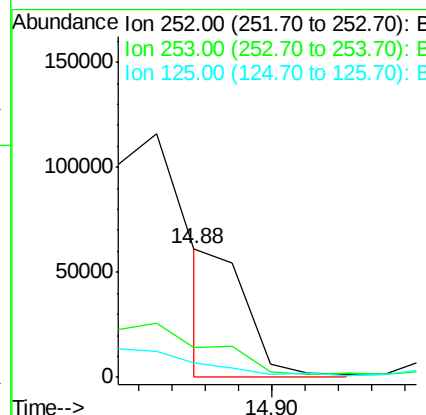
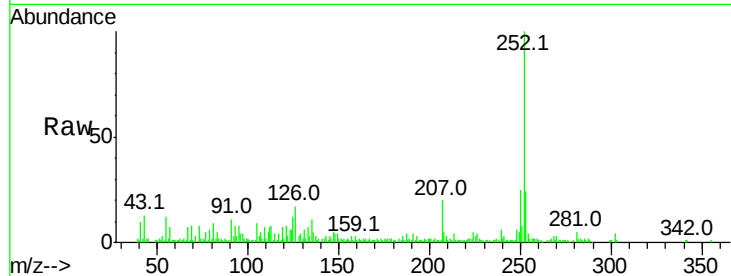
#88
Benzo(k)fluoranthene
Concen: 2.30 ng m
RT: 14.88 min Scan# 1119
Delta R.T. -0.02 min
Lab File: BF084741.D
Acq: 2 Feb 2016 6:04

Instrument :
BNA_F
ClientSampleId :
SUP-B038(5-7)

Tot Ion	Ratio	Resp	Lower	Upper
252	100	44328		
253	23.6	18.1	27.1	
125	11.6	9.0	13.6	

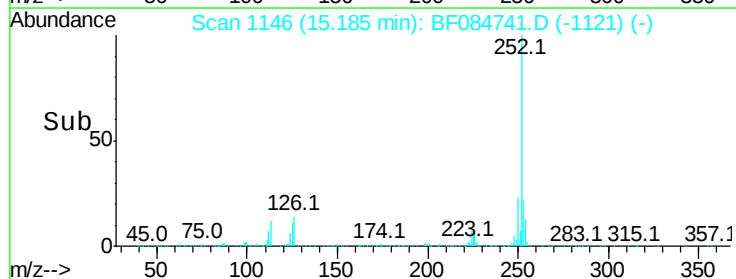
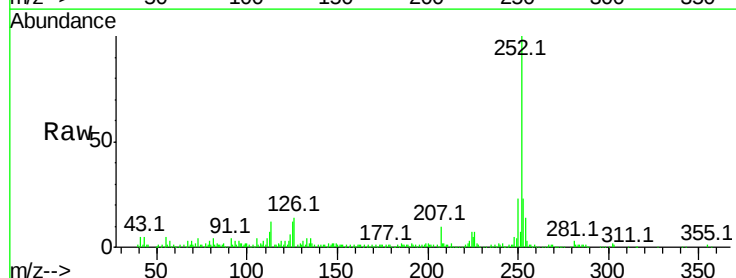
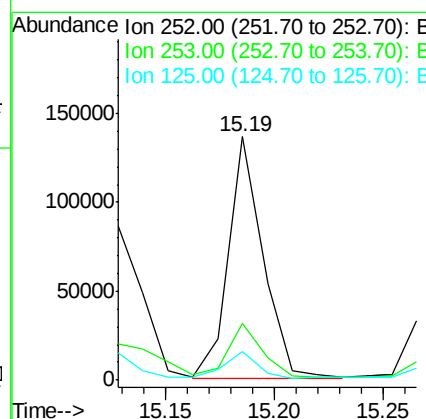
Manual Integrations
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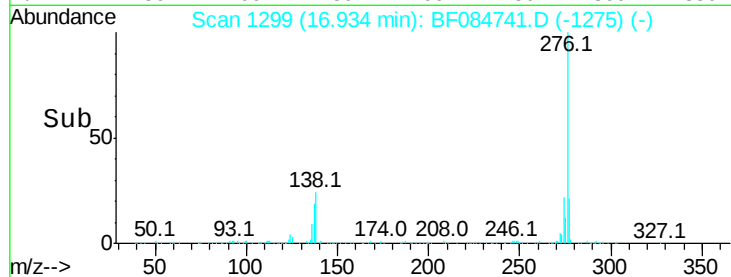
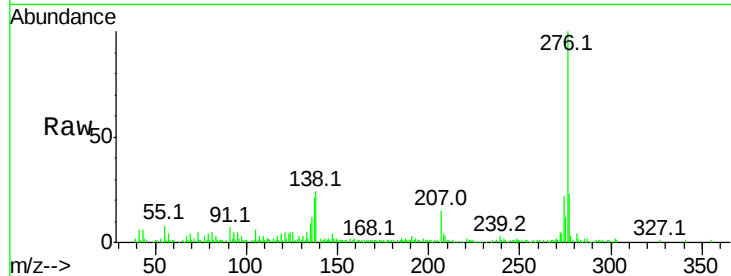
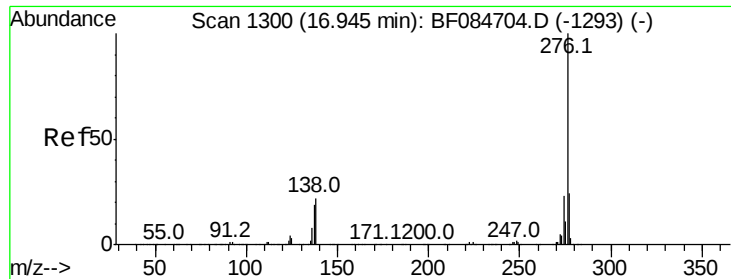
mohammad
2/2/2016 4:19:11 PM



#89
Benzo(a)pyrene
Concen: 7.63 ng
RT: 15.19 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF084741.D
Acq: 2 Feb 2016 6:04

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	151282		
253	23.3	17.3	25.9	
125	11.8	7.0	10.4	





#91

Benzo(a,h,i)perylene

Concen: 10.59 ng

RT: 16.93 min Scan# 1299

Delta R.T. -0.02 min

Lab File: BF084741.D

Acq: 2 Feb 2016 6:04

Instrument :

BNA_F

ClientSampleId :

SUP-B038(5-7)

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.5	18.8	28.2
138	24.5	17.8	26.6

Manual Integrations
APPROVED

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