

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
 Data File : BF084738.D
 Acq On : 2 Feb 2016 4:41
 Operator : SJ/IZ
 Sample : H1285-21
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B038(1.5-2.5)

Manual Integrations
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Quant Time: Feb 02 05:53:41 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	6.70	152	158574	20.00	ng	-0.02
21) Naphthalene-d8	8.00	136	670740	20.00	ng	-0.02
38) Acenaphthene-d10	9.74	164	281402	20.00	ng	-0.02
63) Phenanthrene-d10	11.23	188	489135	20.00	ng	-0.01
75) Chrysene-d12	13.86	240	322519	20.00	ng	-0.01
86) Perylene-d12	15.24	264	327000	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	1115803	109.60	ng	0.00
7) Phenol-d6	6.36	99	1339469	106.13	ng	-0.01
23) Nitrobenzene-d5	7.28	82	845282	70.99	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	253647	86.41	ng	-0.02
44) 2-Fluorobiphenyl	9.08	172	1692918	114.67	ng	-0.01
78) Terphenyl-d14	12.82	244	1190309	83.63	ng	-0.01
Target Compounds						
10) Phenol	6.37	94	50661	3.58	ng	98
37) 2-Methylnaphthalene	8.70	142	66198	3.14	ng	95
49) Dimethylphthalate	9.47	163	214338	10.00	ng	# 89
70) Phenanthrene	11.25	178	115397	4.25	ng	99
74) Fluoranthene	12.43	202	139406	5.08	ng	98
77) Pyrene	12.66	202	147679	5.98	ng	98
80) Benzo(a)anthracene	13.85	228	58083m	2.90	ng	
82) Chrysene	13.88	228	55849m	2.88	ng	
87) Benzo(b)fluoranthene	14.85	252	62093m	2.83	ng	
89) Benzo(a)pyrene	15.19	252	50656	2.71	ng	# 91
91) Benzo(g,h,i)perylene	16.93	276	44933	2.83	ng	98

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

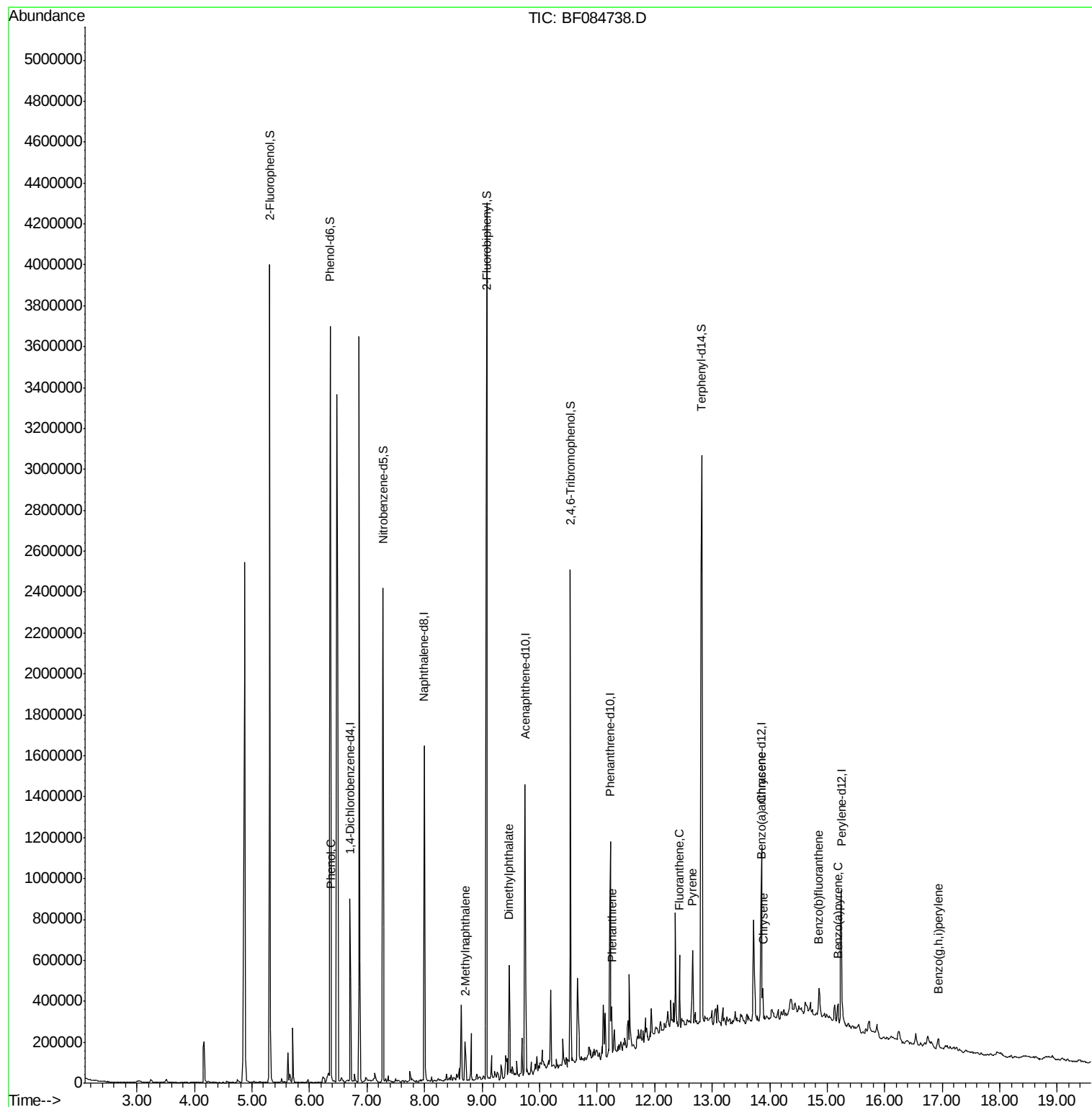
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
Data File : BF084738.D
Acq On : 2 Feb 2016 4:41
Operator : SJ/IZ
Sample : H1285-21
Misc :
ALS Vial : 36 Sample Multiplier: 1

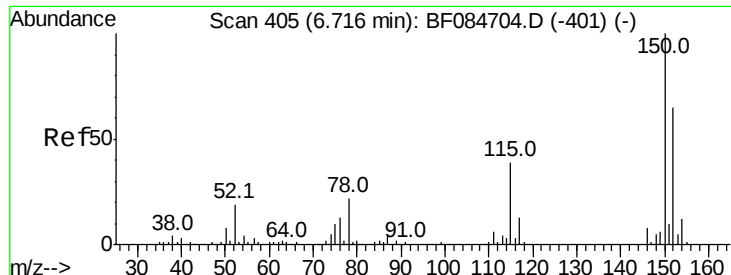
Instrument :
BNA_F
ClientSampleId :
SUP-B038(1.5-2.5)

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Quant Time: Feb 02 05:53:41 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

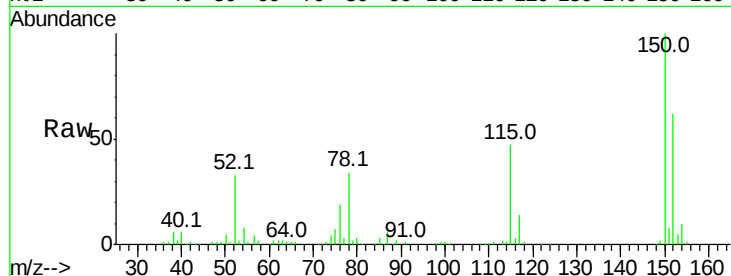
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 404
Delta R.T. -0.02 min
Lab File: BF084738.D
Acq: 2 Feb 2016 4:41

Instrument :
BNA_F
ClientSampleId :
SUP-B038(1.5-2.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	123.0	184.4
115	75.4	51.4	77.2

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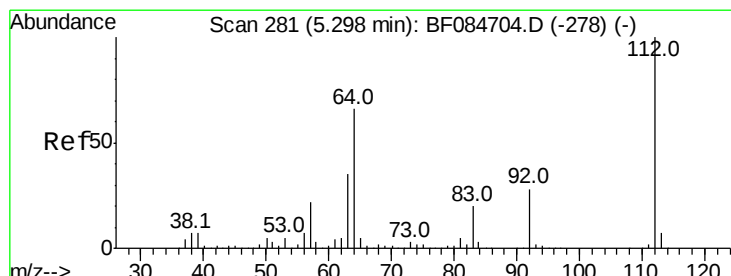
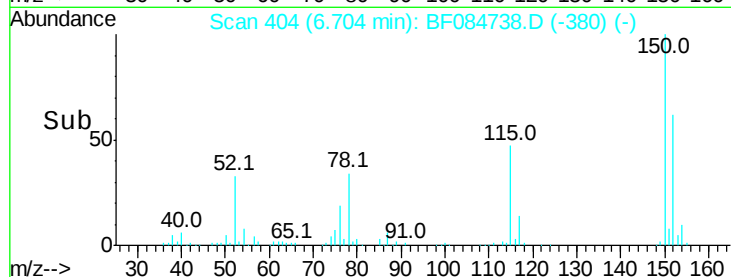
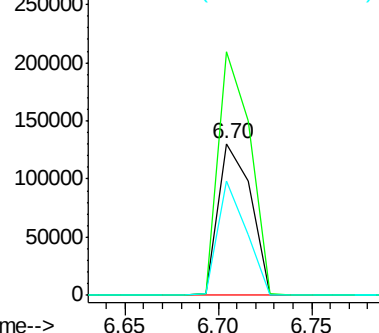


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

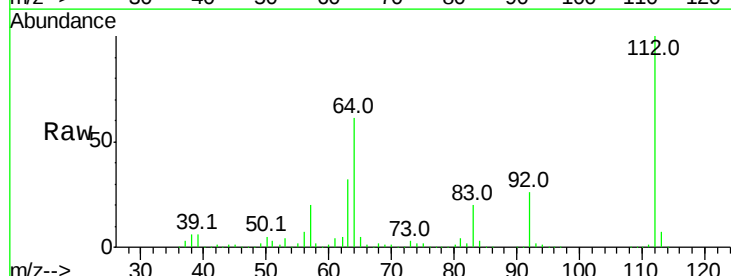
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 109.60 ng
RT: 5.31 min Scan# 282
Delta R.T. 0.00 min
Lab File: BF084738.D
Acq: 2 Feb 2016 4:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.4	36.6	55.0#
63	32.2	19.4	29.0#

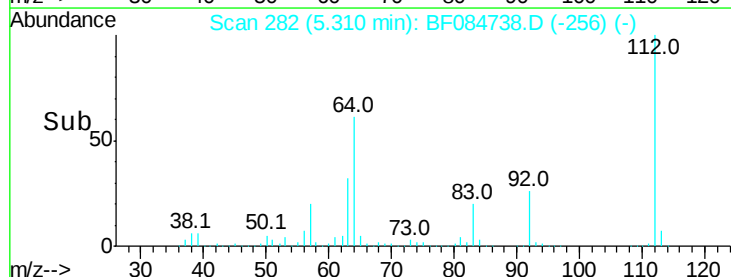
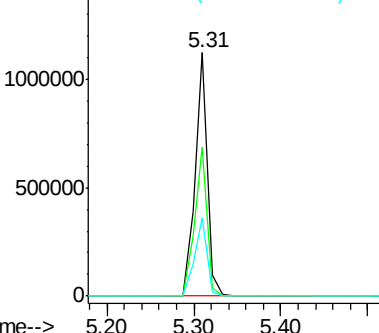


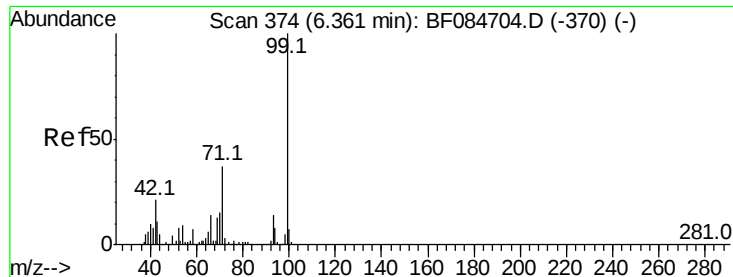
Abundance

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: 106.13 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF084738.D

Acq: 2 Feb 2016 4:41

Instrument :

BNA_F

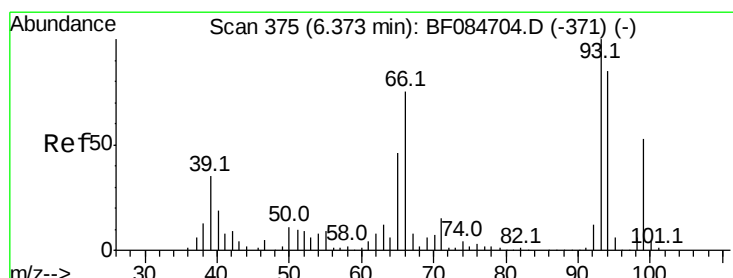
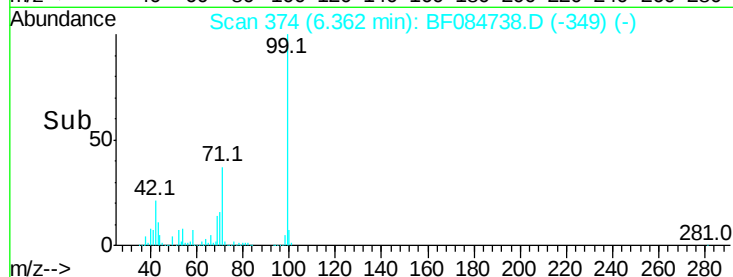
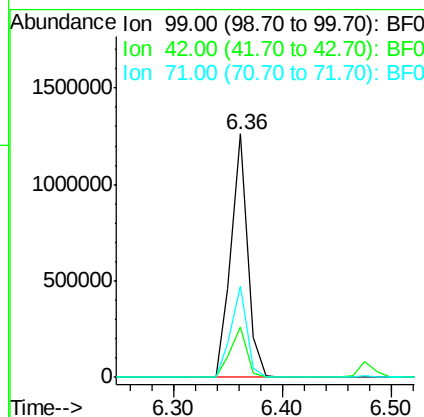
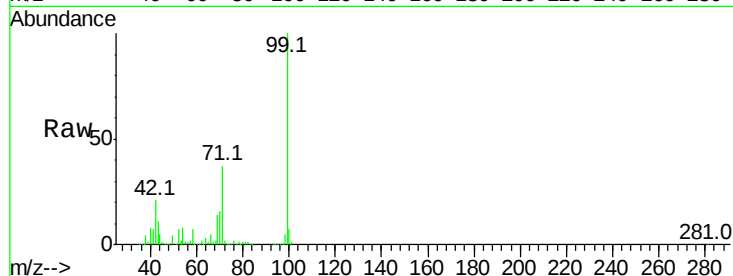
ClientSampleId :

SUP-B038(1.5-2.5)

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Tot Ion:	99	Resp:	1339469
Ion	Ratio	Lower	Upper
99	100		
42	20.6	12.8	19.2#
71	37.3	30.9	46.3



#10

Phenol

Concen: 3.58 ng

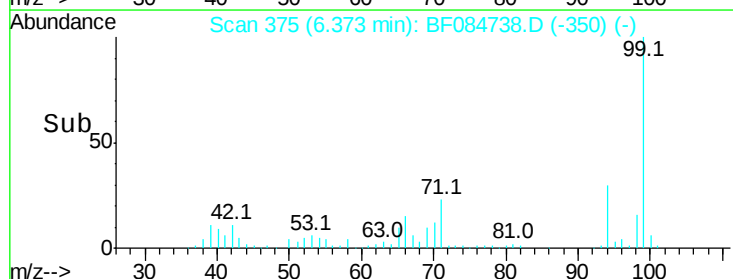
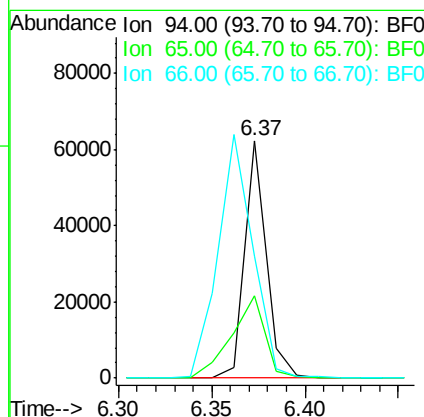
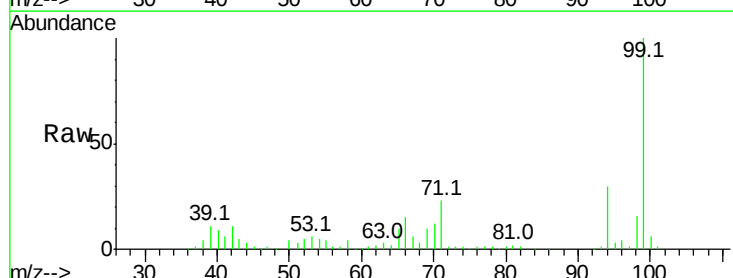
RT: 6.37 min Scan# 375

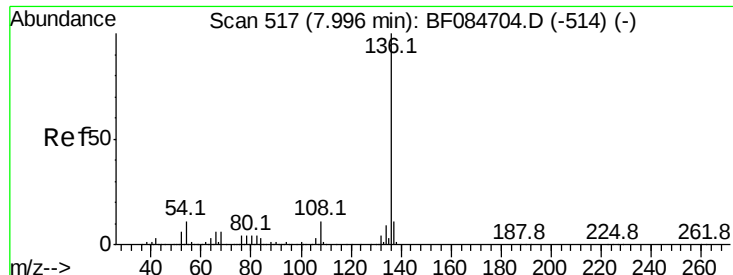
Delta R.T. -0.01 min

Lab File: BF084738.D

Acq: 2 Feb 2016 4:41

Tgt Ion:	94	Resp:	50661
Ion	Ratio	Lower	Upper
94	100		
65	34.7	12.9	52.9
66	51.5	32.7	72.7





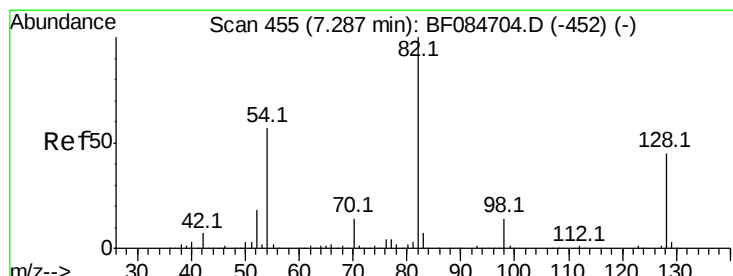
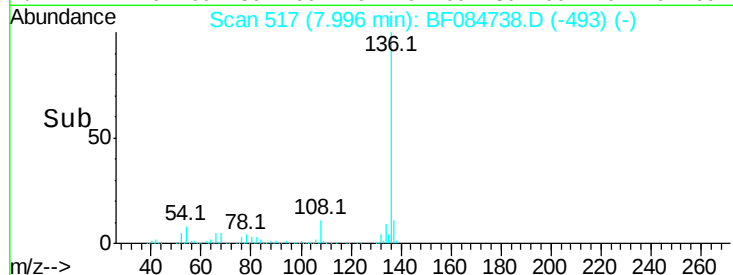
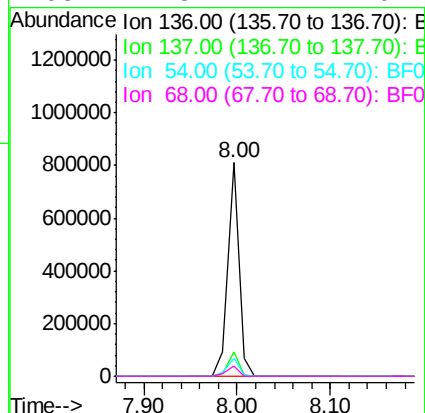
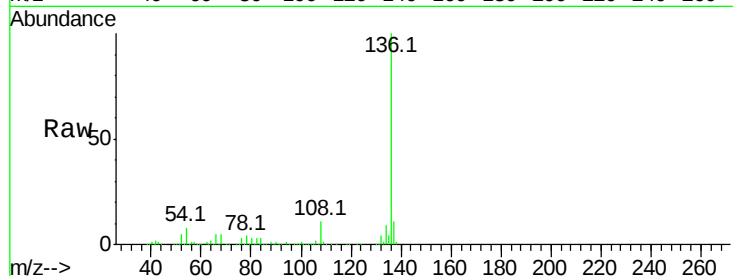
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 517
Delta R.T. -0.02 min
Lab File: BF084738.D
Acq: 2 Feb 2016 4:41

Instrument :
BNA_F
ClientSampleId :
SUP-B038(1.5-2.5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		670740		
137	11.3	8.7	13.1		
54	8.4	5.8	8.8		
68	4.8	4.2	6.2		

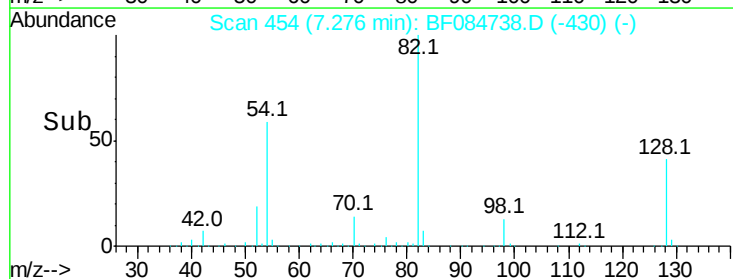
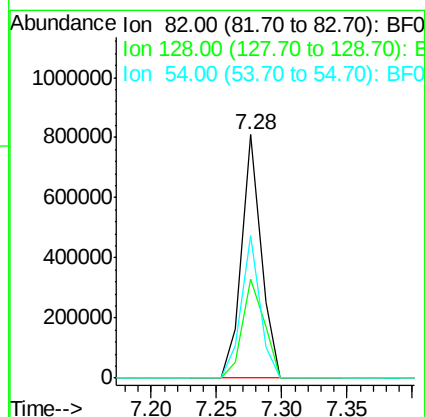
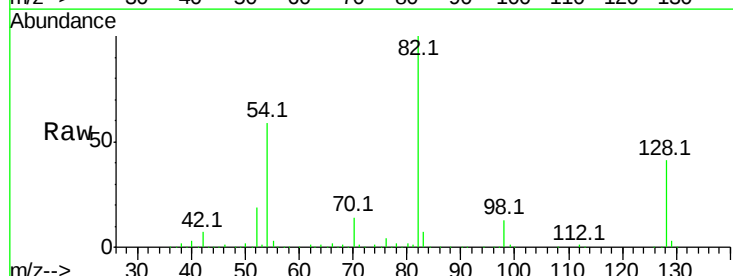
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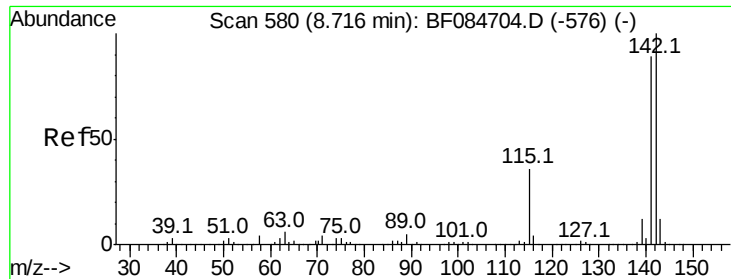
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#23
Nitrobenzene-d5
Concen: 70.99 ng
RT: 7.28 min Scan# 454
Delta R.T. -0.02 min
Lab File: BF084738.D
Acq: 2 Feb 2016 4:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		845282		
128	40.8	34.6	51.8		
54	58.7	38.4	57.6		





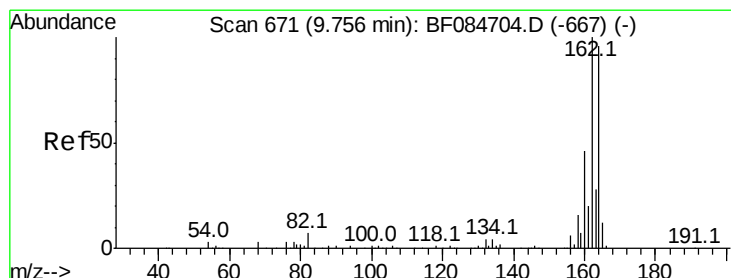
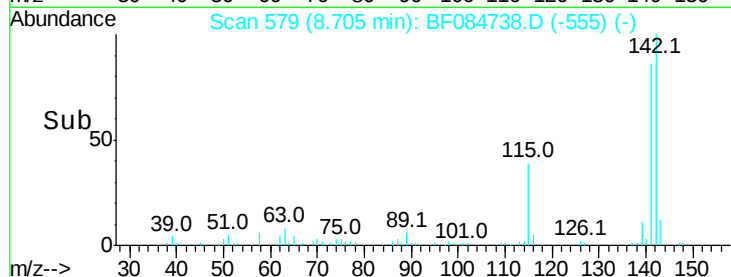
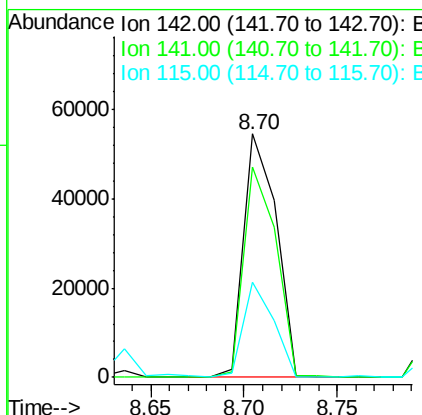
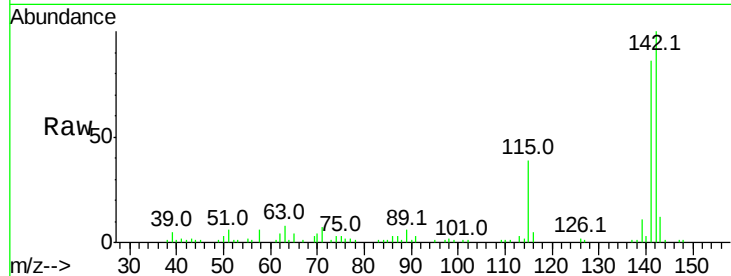
#37
2-Methylnaphthalene
Concen: 3.14 ng
RT: 8.70 min Scan# 579
Delta R.T. -0.02 min
Lab File: BF084738.D
Acq: 2 Feb 2016 4:41

Instrument :
BNA_F
ClientSampleId :
SUP-B038(1.5-2.5)

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.2	72.4	108.6
115	39.3	27.9	41.9

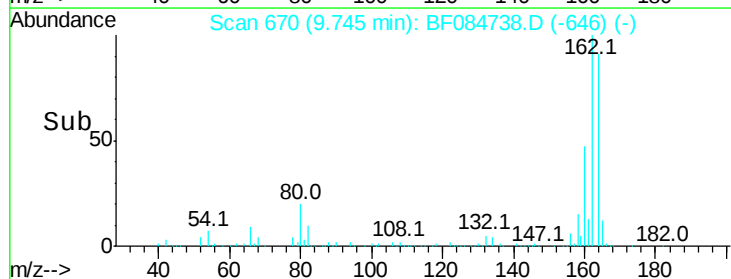
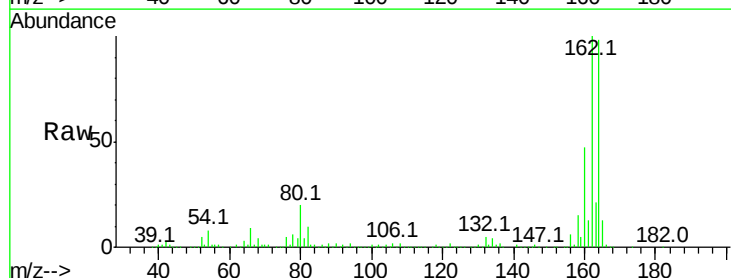
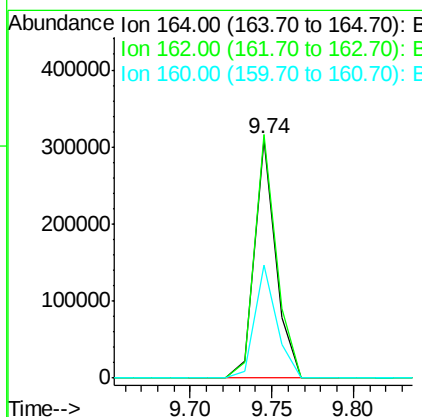
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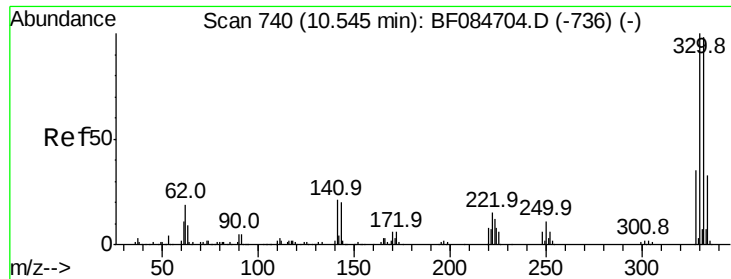
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.02 min
Lab File: BF084738.D
Acq: 2 Feb 2016 4:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	85.1	127.7
160	47.6	37.5	56.3





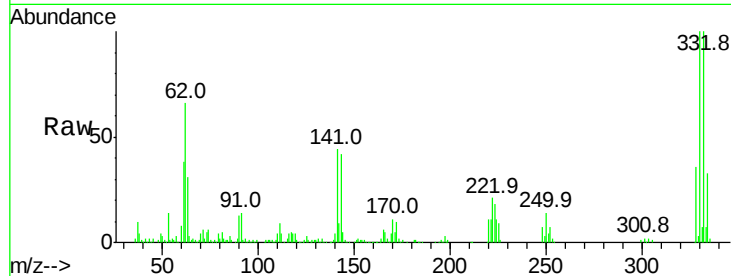
#41
 2,4,6-Tribromophenol
 Concen: 86.41 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.02 min
 Lab File: BF084738.D
 Acq: 2 Feb 2016 4:41

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B038(1.5-2.5)

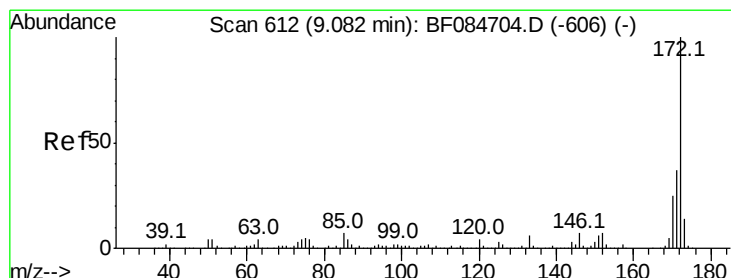
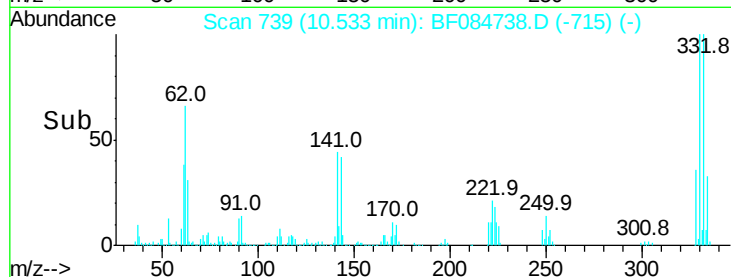
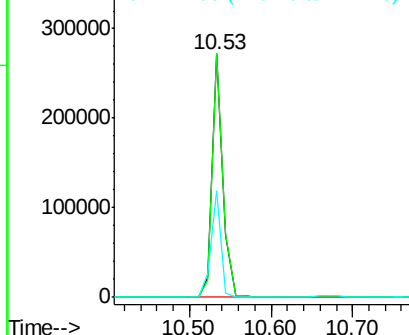
Tot Ion	Ratio	Resp	Lower	Upper
330	100	253647		
332	99.4	76.6	114.8	
141	40.8	27.8	41.6	

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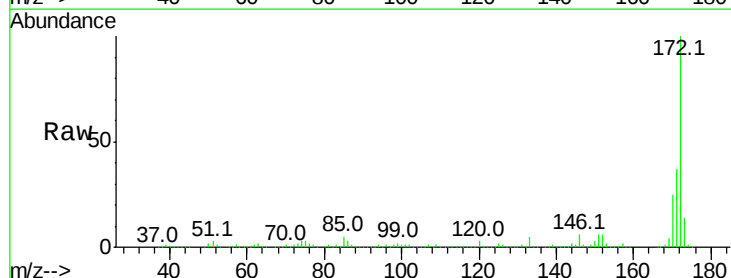


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

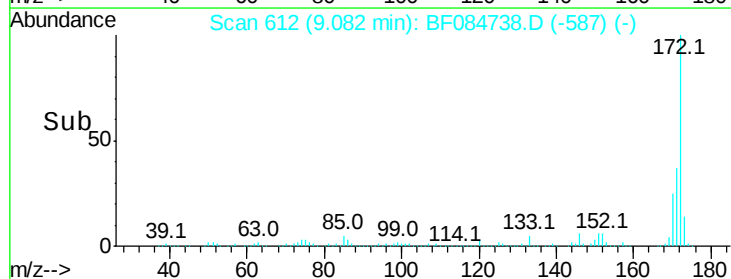
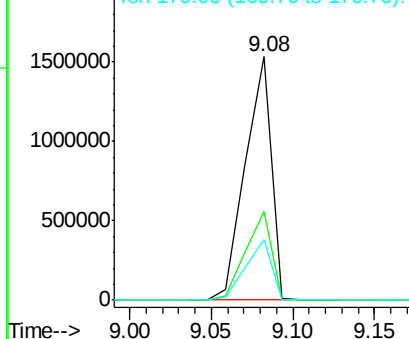


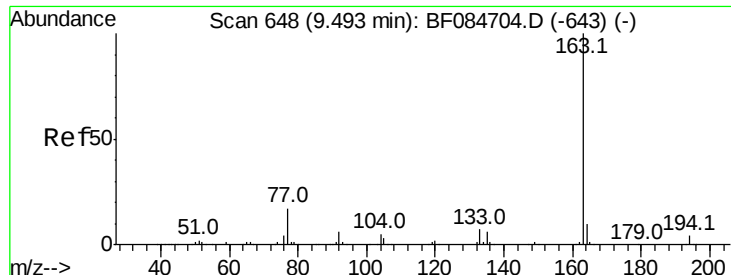
#44
 2-Fluorobiphenyl
 Concen: 114.67 ng
 RT: 9.08 min Scan# 612
 Delta R.T. -0.01 min
 Lab File: BF084738.D
 Acq: 2 Feb 2016 4:41

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1692918		
171	36.7	28.9	43.3	
170	25.1	18.6	27.8	



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





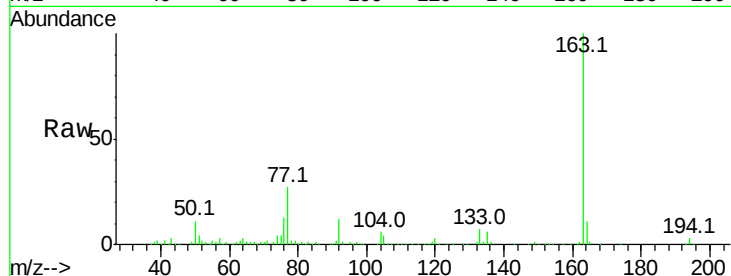
#49
Dimethylphthalate
Concen: 10.00 ng
RT: 9.47 min Scan# 646
Delta R.T. -0.03 min
Lab File: BF084738.D
Acq: 2 Feb 2016 4:41

Instrument :
BNA_F
ClientSampleId :
SUP-B038(1.5-2.5)

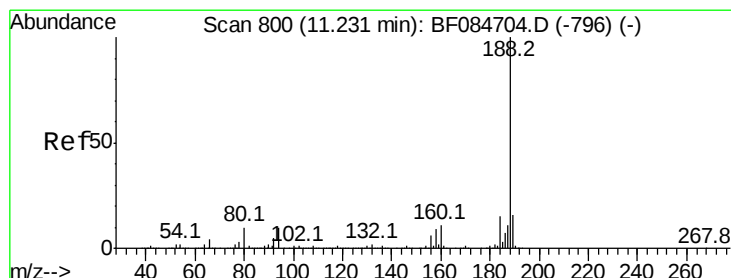
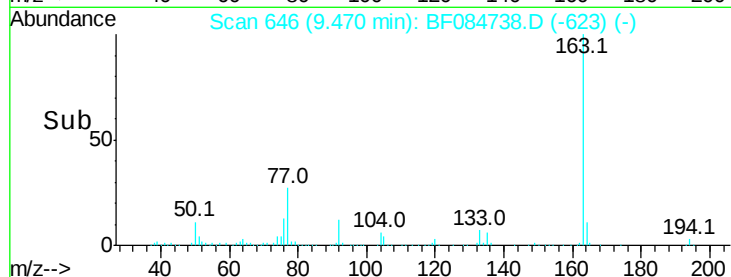
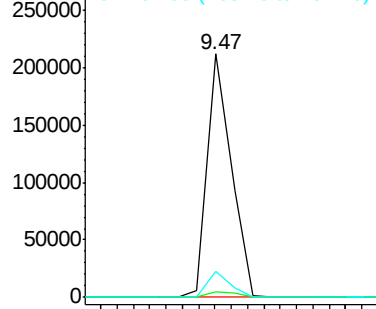
Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	2.5	8.0	12.0#
164	10.8	8.0	12.0

Manual Integrations
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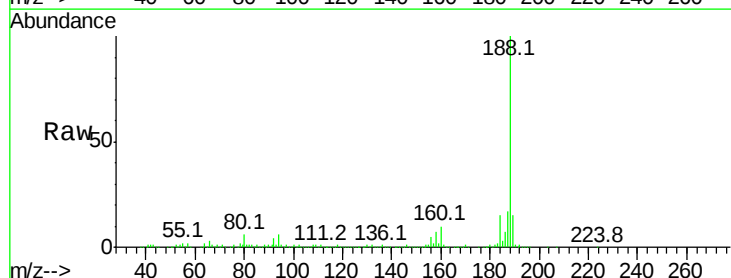


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

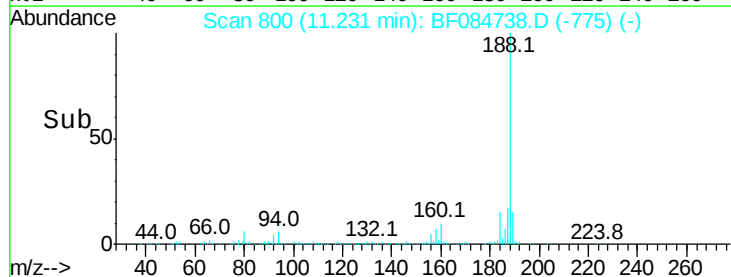
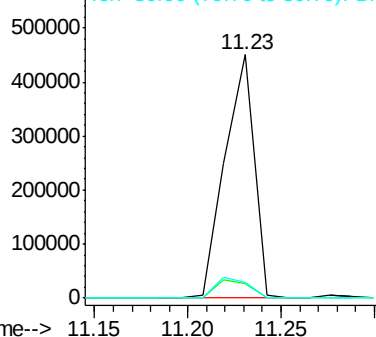


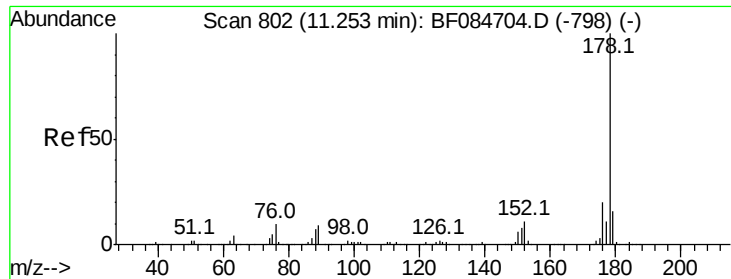
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.23 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF084738.D
Acq: 2 Feb 2016 4:41

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	6.0	9.0	13.4#
80	6.5	9.6	14.4#



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





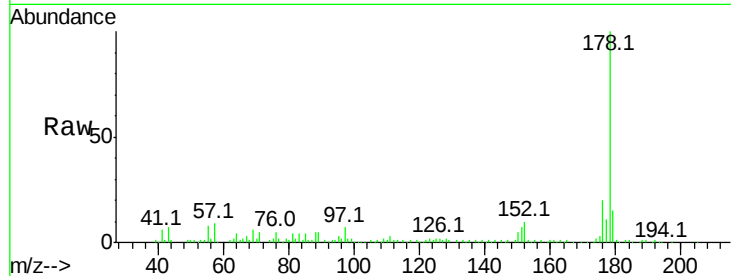
#70
Phenanthrene
Concen: 4.25 ng
RT: 11.25 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF084738.D
Acq: 2 Feb 2016 4:41

Instrument :
BNA_F
ClientSampleId :
SUP-B038(1.5-2.5)

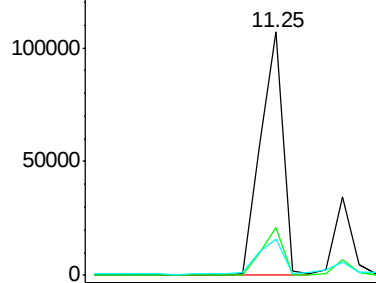
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.3	22.9
179	14.8	12.0	18.0

Manual Integrations
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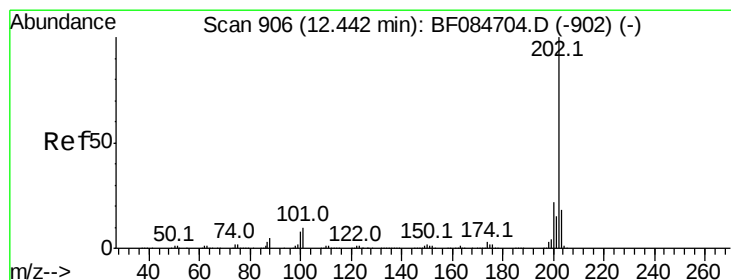
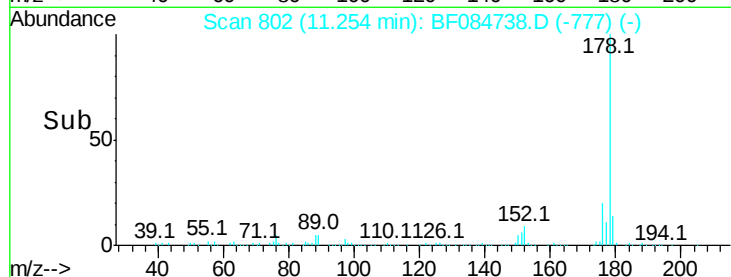
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

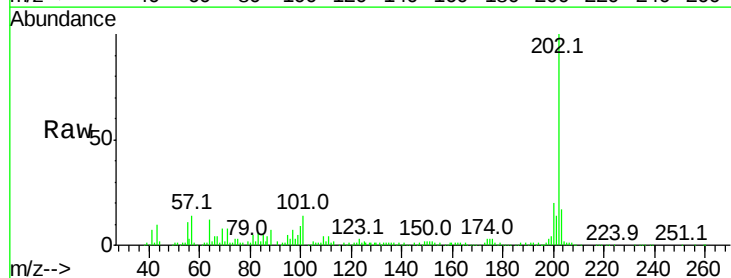


Time-->

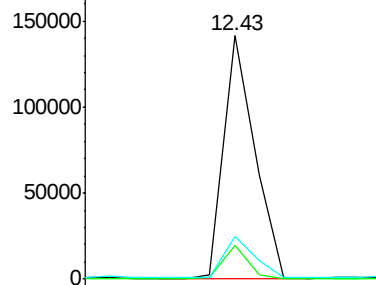


#74
Fluoranthene
Concen: 5.08 ng
RT: 12.43 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF084738.D
Acq: 2 Feb 2016 4:41

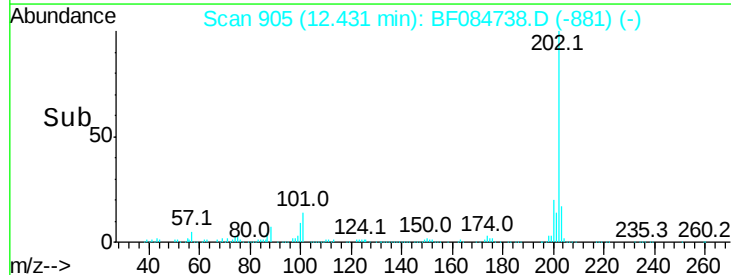
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	32.8
203	17.3	0.0	37.9

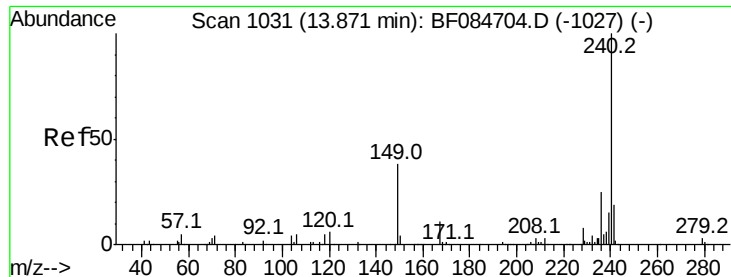


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF084738.D

Acq: 2 Feb 2016 4:41

Instrument :

BNA_F

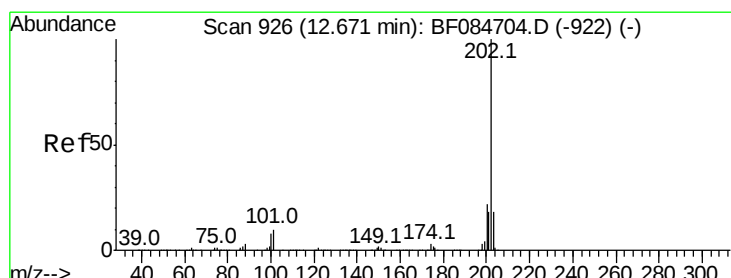
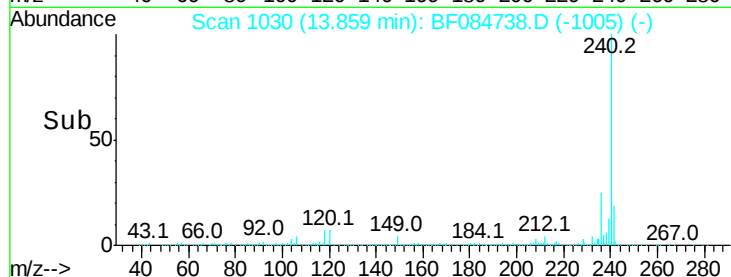
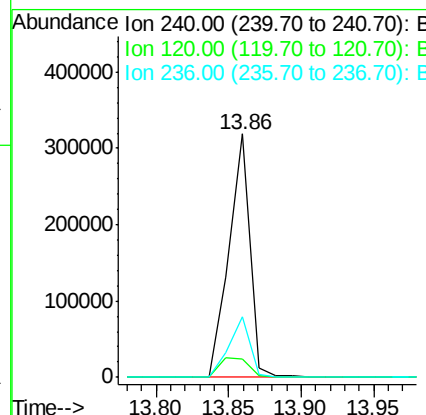
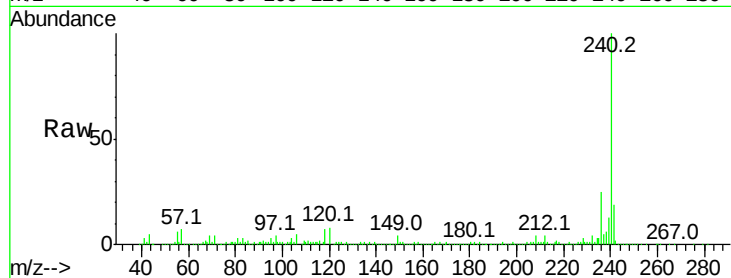
ClientSampleId :

SUP-B038(1.5-2.5)

Tot Ion:	240	Resp:	322519
Ion Ratio	Lower	Upper	
240	100		
120	7.5	9.5	14.3#
236	24.9	20.6	31.0

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#77

Pyrene

Concen: 5.98 ng

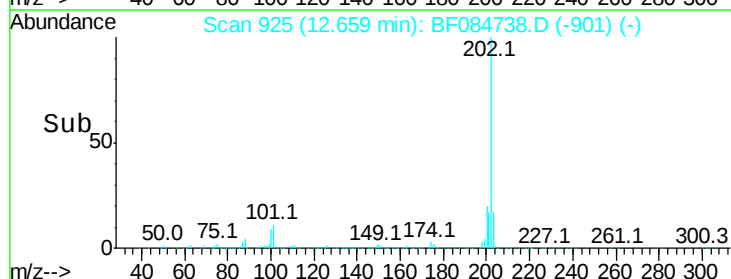
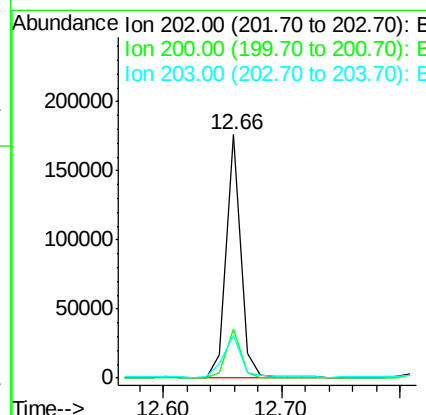
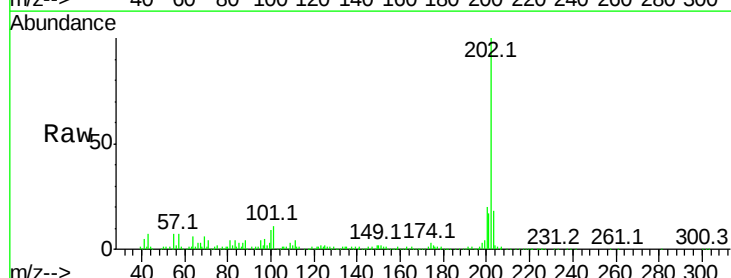
RT: 12.66 min Scan# 925

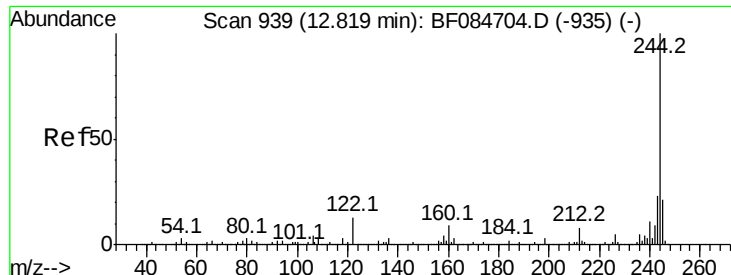
Delta R.T. -0.02 min

Lab File: BF084738.D

Acq: 2 Feb 2016 4:41

Tgt Ion:	202	Resp:	147679
Ion Ratio	Lower	Upper	
202	100		
200	20.2	17.2	25.8
203	17.8	14.3	21.5





#78

Terphenyl-d14

Concen: 83.63 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF084738.D

Acq: 2 Feb 2016 4:41

Instrument :

BNA_F

ClientSampleId :

SUP-B038(1.5-2.5)

Tot Ion:244 Resp: 1190309

Ion Ratio Lower Upper

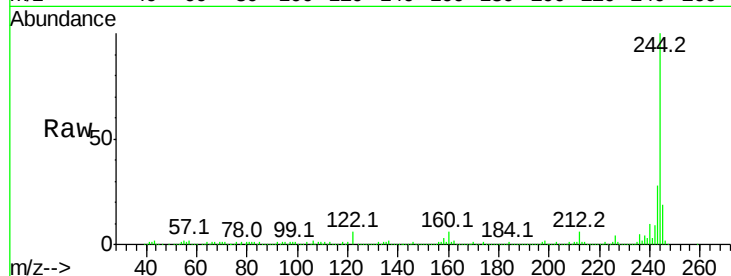
244 100

212 6.5 5.7 8.5

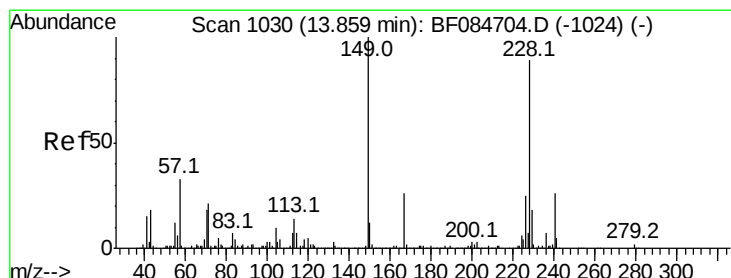
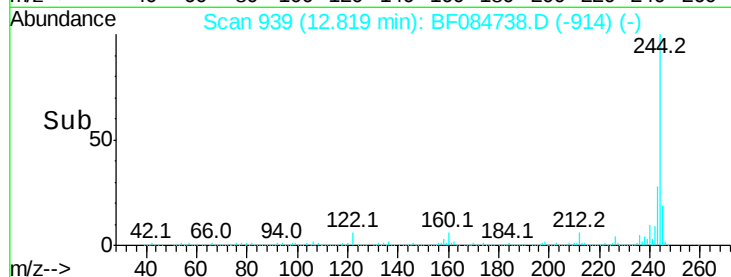
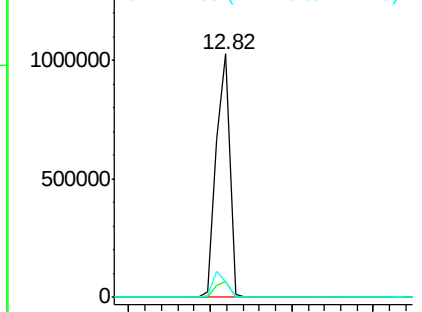
122 6.4 7.4 11.0#

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.90 ng m

RT: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF084738.D

Acq: 2 Feb 2016 4:41

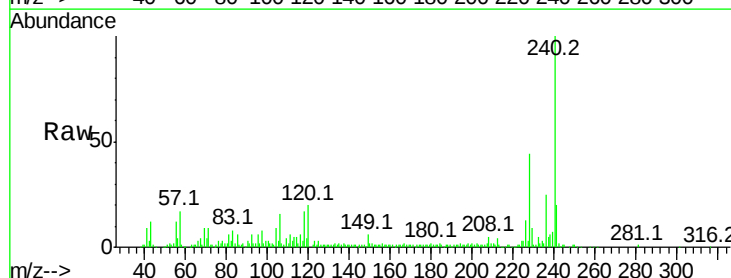
Tgt Ion:228 Resp: 58083

Ion Ratio Lower Upper

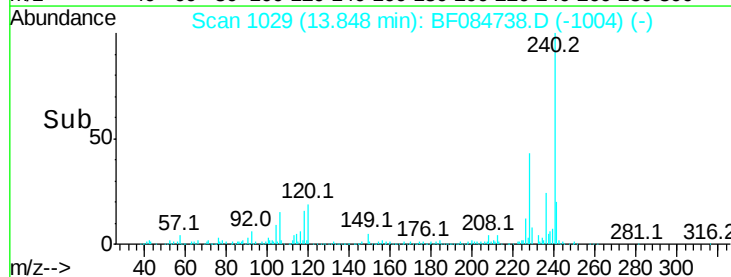
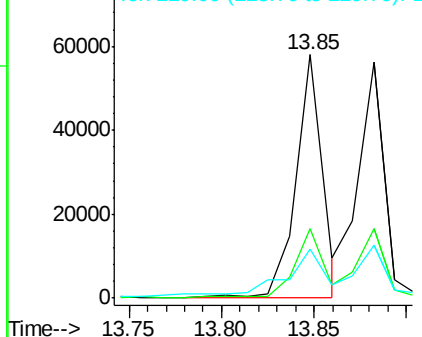
228 100

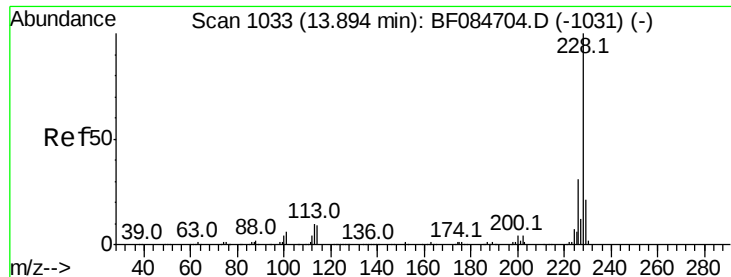
226 28.5 21.8 32.6

229 20.2 15.8 23.8



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





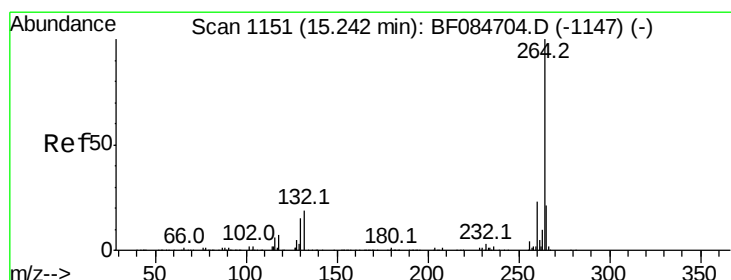
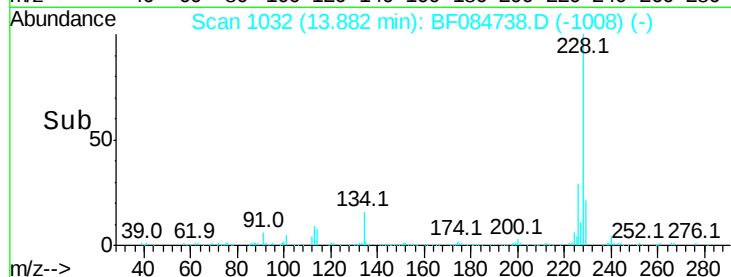
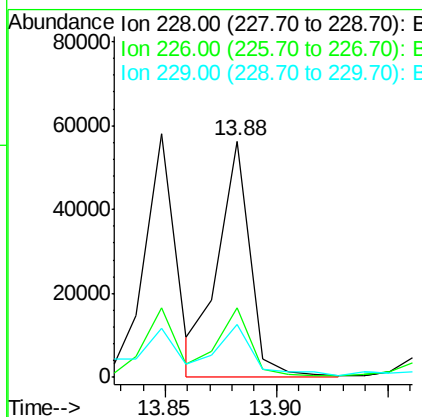
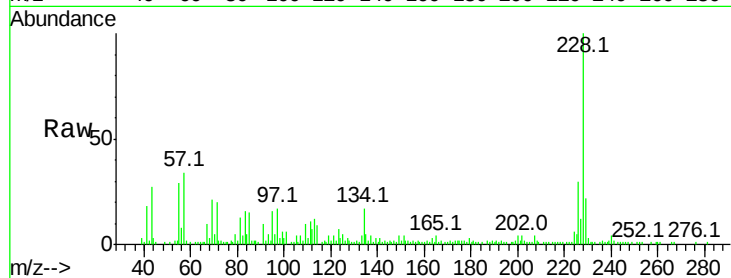
#82
Chrysene
Concen: 2.88 ng
RT: 13.88 min Scan# 1032
Delta R.T. -0.02 min
Lab File: BF084738.D
Acq: 2 Feb 2016 4:41

Instrument :
BNA_F
ClientSampleId :
SUP-B038(1.5-2.5)

Tot Ion	Ratio	Resp	Lower	Upper
228	100			
226	29.7	24.3	36.5	
229	22.3	16.1	24.1	

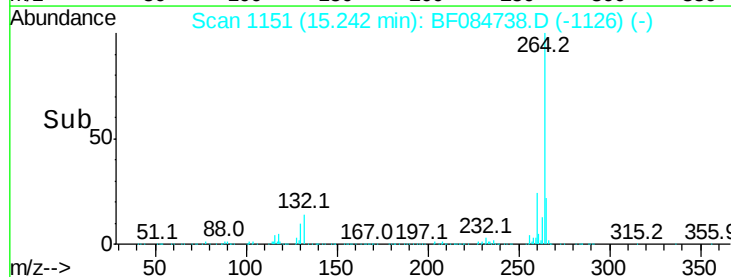
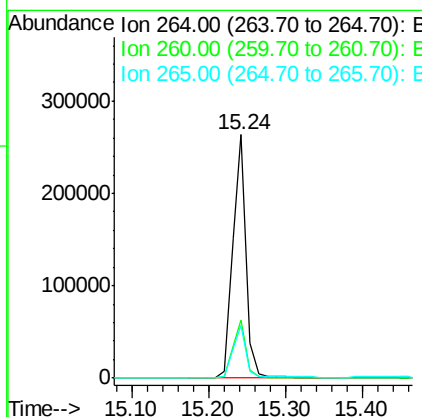
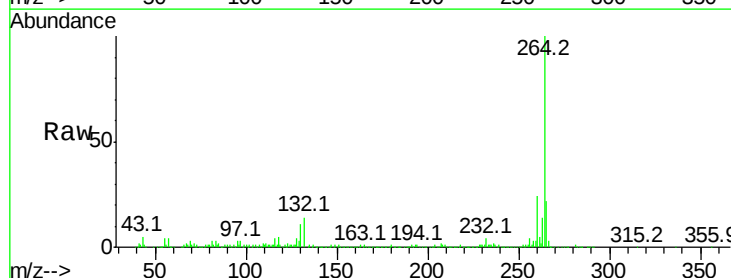
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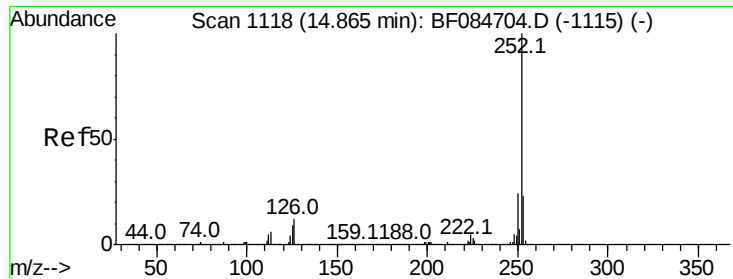
mohammad
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.24 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF084738.D
Acq: 2 Feb 2016 4:41

Tgt Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.7	19.4	29.2	
265	21.7	17.8	26.6	





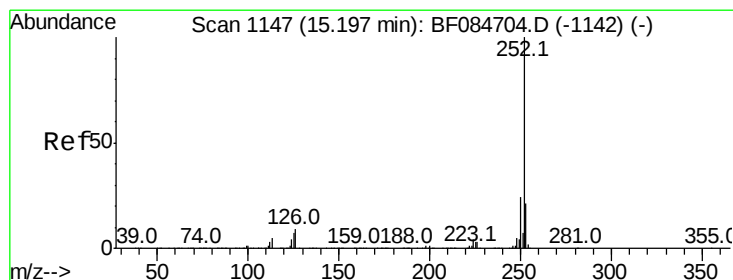
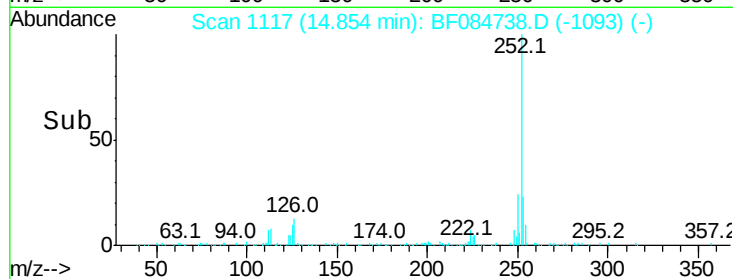
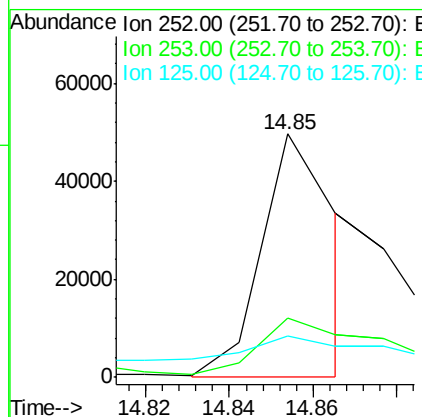
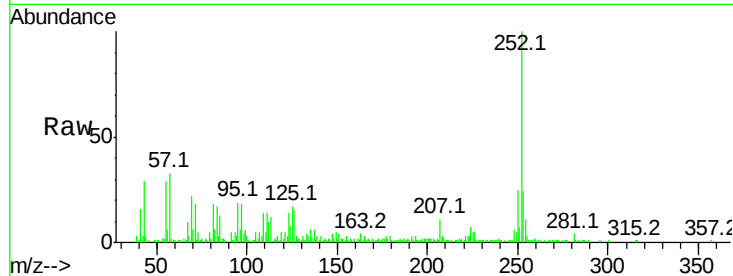
#87
Benzo(b)fluoranthene
Concen: 2.83 ng m
RT: 14.85 min Scan# 1117
Delta R.T. -0.02 min
Lab File: BF084738.D
Acq: 2 Feb 2016 4:41

Instrument :
BNA_F
ClientSampleId :
SUP-B038(1.5-2.5)

Tot Ion	Ratio	Resp	Lower	Upper
252	100	62093		
253	24.3		17.3	25.9
125	17.0		6.5	9.7#

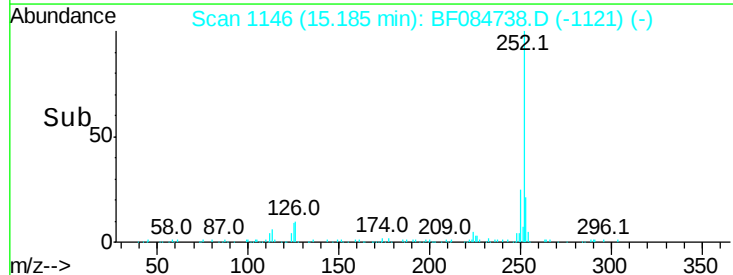
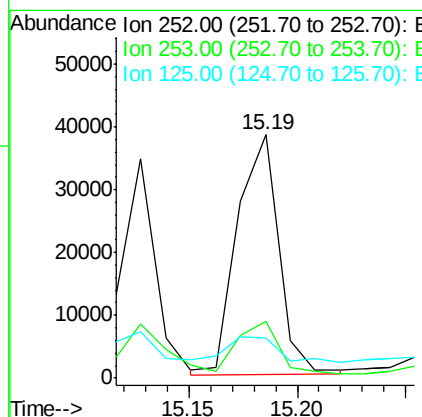
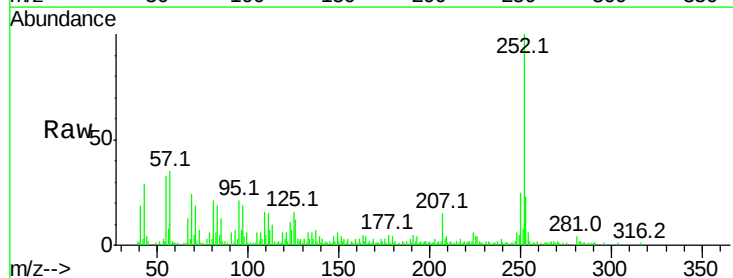
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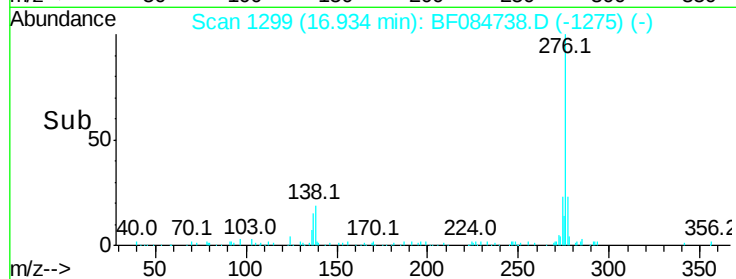
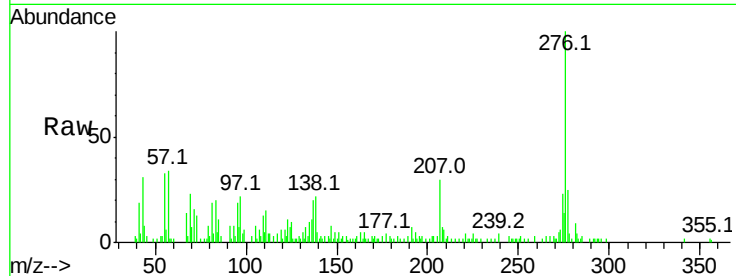
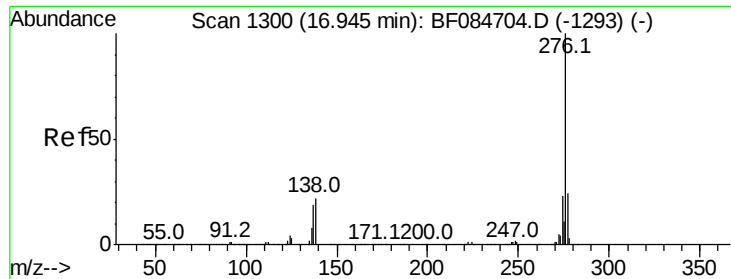
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#89
Benzo(a)pyrene
Concen: 2.71 ng
RT: 15.19 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF084738.D
Acq: 2 Feb 2016 4:41

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	50656		
253	23.2		17.3	25.9
125	16.5		7.0	10.4#





#91

Benzo(a,h,i)perylene

Concen: 2.83 ng

RT: 16.93 min Scan# 1299

Delta R.T. -0.02 min

Lab File: BF084738.D

Acq: 2 Feb 2016 4:41

Instrument :

BNA_F

ClientSampleId :

SUP-B038(1.5-2.5)

Tot Ion:	276	Resp:	44933
Ion Ratio	Lower	Upper	
276	100		
277	24.9	18.8	28.2
138	21.6	17.8	26.6

Manual Integrations
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