

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
 Data File : BF084933.D
 Acq On : 8 Feb 2016 17:23
 Operator : SJ/IZ
 Sample : H1311-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B017(5-7)

Manual Integrations
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 2/9/2016 12:56:51 PM

Quant Time: Feb 09 03:11:15 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	162599	20.00	ng	-0.03
21) Naphthalene-d8	7.94	136	710346	20.00	ng	-0.03
38) Acenaphthene-d10	9.69	164	302542	20.00	ng	-0.05
63) Phenanthrene-d10	11.16	188	536146	20.00	ng	-0.05
75) Chrysene-d12	13.79	240	355164	20.00	ng	-0.05
86) Perylene-d12	15.16	264	309696	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	777029	74.43	ng	-0.03
7) Phenol-d6	6.30	99	1100589	85.04	ng	-0.03
23) Nitrobenzene-d5	7.22	82	673652	53.42	ng	-0.05
41) 2,4,6-Tribromophenol	10.48	330	187854	59.53	ng	-0.05
44) 2-Fluorobiphenyl	9.01	172	1007000	48.76	ng	-0.05
78) Terphenyl-d14	12.75	244	890212	56.80	ng	-0.05
Target Compounds						Qvalue
49) Dimethylphthalate	9.41	163	156276	6.78	ng	# 91
70) Phenanthrene	11.18	178	274910	9.24	ng	99
74) Fluoranthene	12.37	202	316261	10.51	ng	92
77) Pyrene	12.59	202	399429	14.69	ng	99
80) Benzo(a)anthracene	13.78	228	176754	8.02	ng	99
82) Chrysene	13.81	228	128509	6.01	ng	98
85) Indeno(1,2,3-cd)pyrene	16.42	276	54494	3.24	ng	95
87) Benzo(b)fluoranthene	14.79	252	125014m	6.01	ng	
88) Benzo(k)fluoranthene	14.80	252	46576m	2.71	ng	
89) Benzo(a)pyrene	15.11	252	105449	5.95	ng	98
91) Benzo(g,h,i)perylene	16.80	276	51677	3.44	ng	97

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

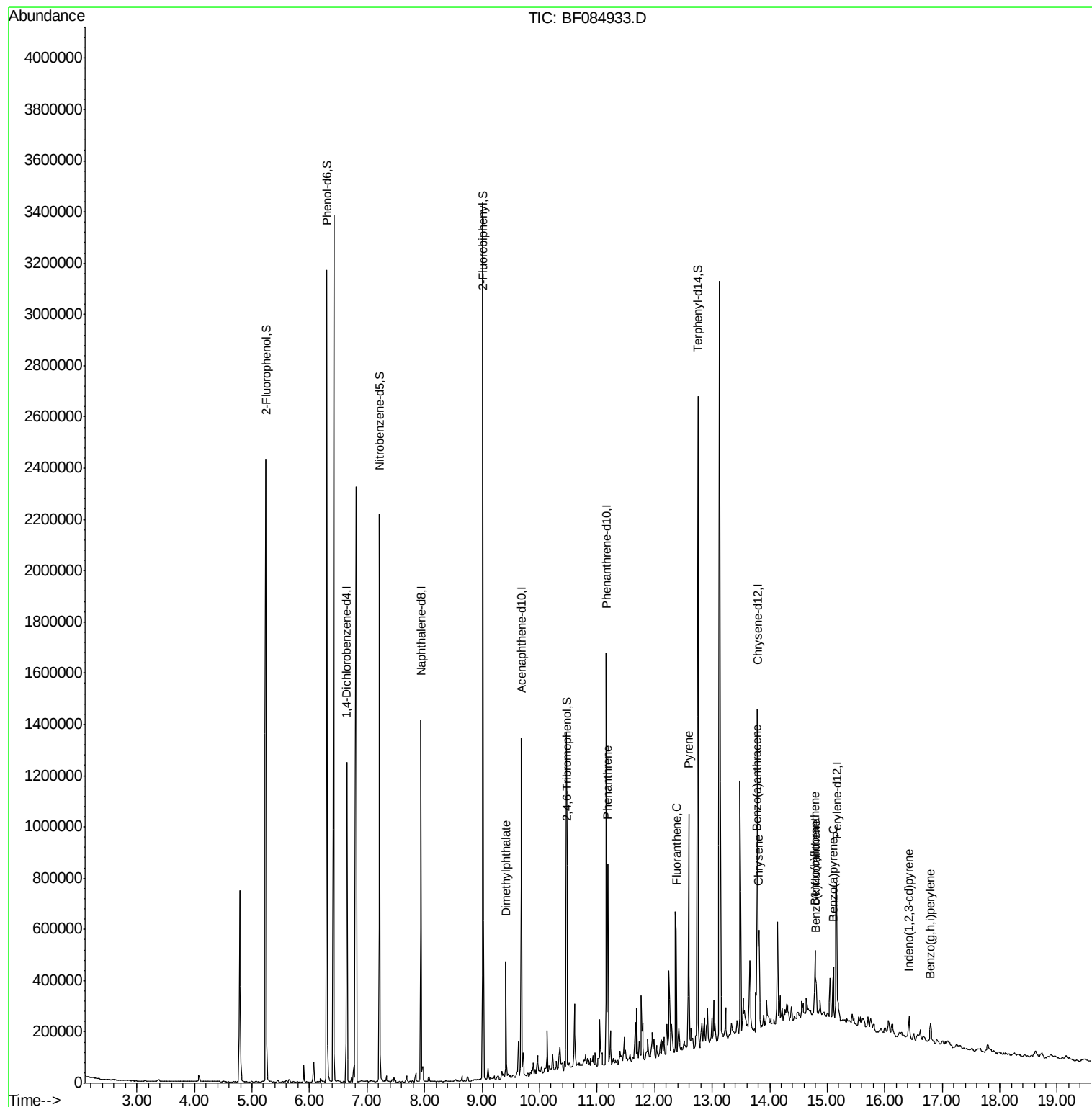
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
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ALS Vial : 8 Sample Multiplier: 1

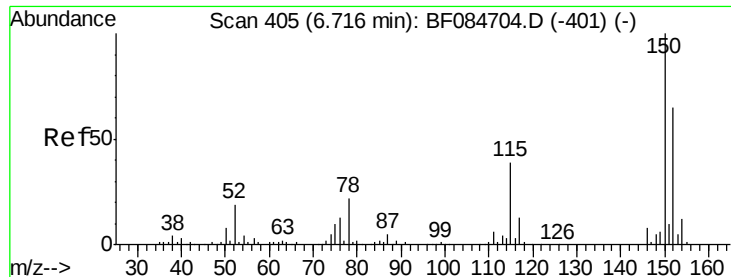
Instrument :
BNA_F
ClientSampleId :
SUP-B017(5-7)

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
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#1

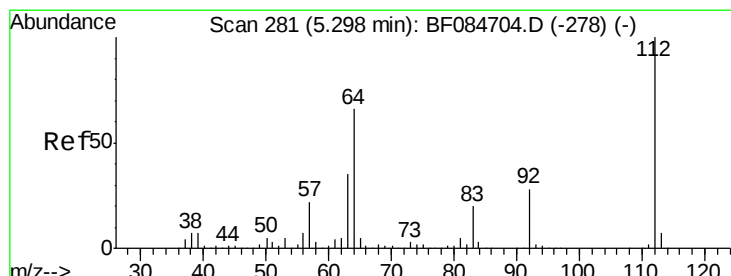
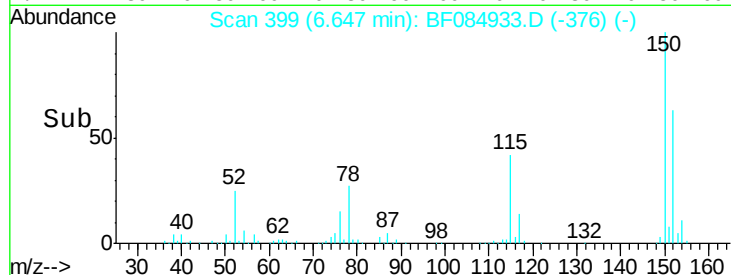
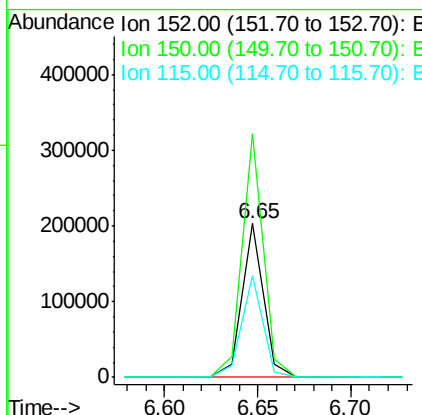
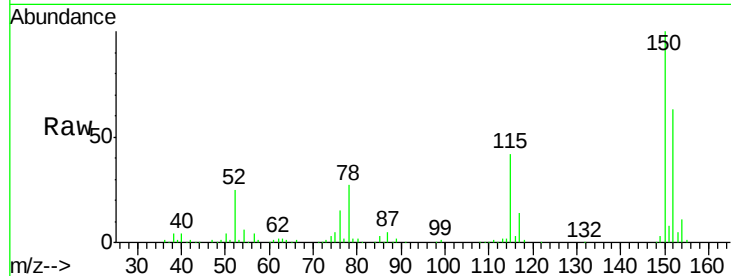
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.65 min Scan# 399
Delta R.T. -0.03 min
Lab File: BF084933.D
Acq: 8 Feb 2016 17:23

Instrument :
BNA_F
ClientSampleId :
SUP-B017(5-7)

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	162599		
150	158.4	123.0	184.4	
115	66.4	51.4	77.2	

Manual Integrations
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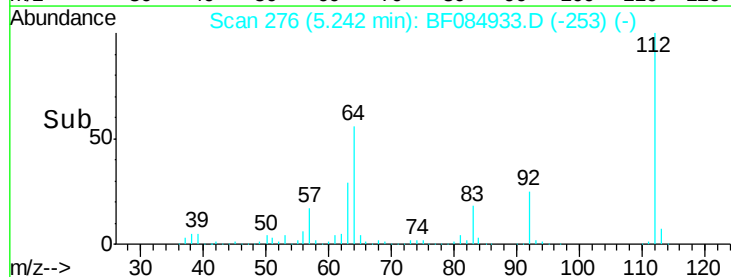
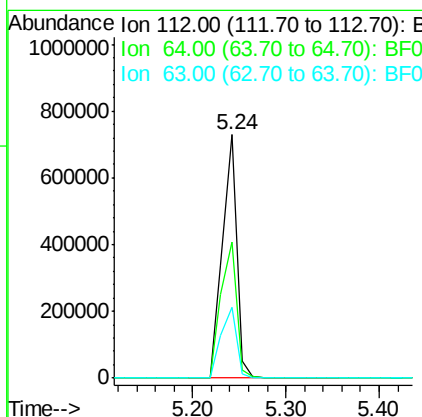
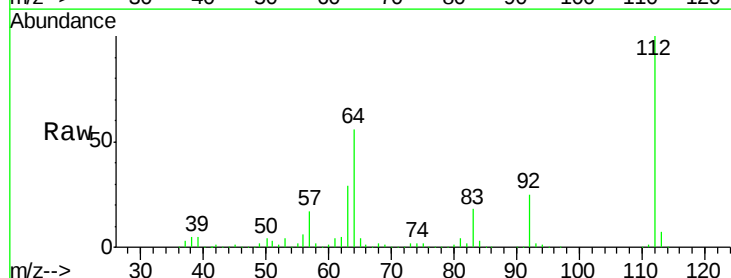
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#5

2-Fluorophenol
Concen: 74.43 ng
RT: 5.24 min Scan# 276
Delta R.T. -0.03 min
Lab File: BF084933.D
Acq: 8 Feb 2016 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	777029		
64	56.1	36.6	55.0#	
63	29.1	19.4	29.0#	





#7

Phenol-d6

Concen: 85.04 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.03 min

Lab File: BF084933.D

Acq: 8 Feb 2016 17:23

Instrument :

BNA_F

ClientSampleId :

SUP-B017(5-7)

Tgt Ion: 99 Resp: 1100589

Ion Ratio Lower Upper

99 100

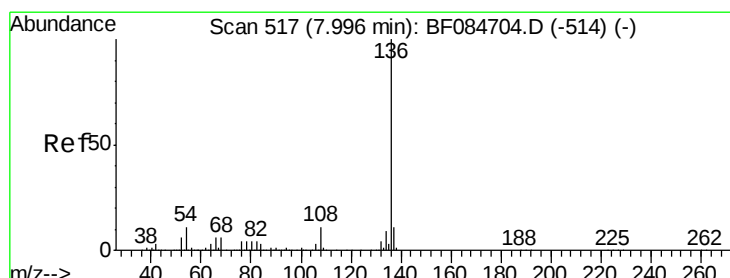
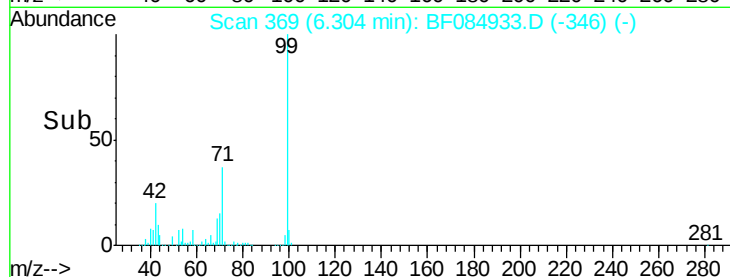
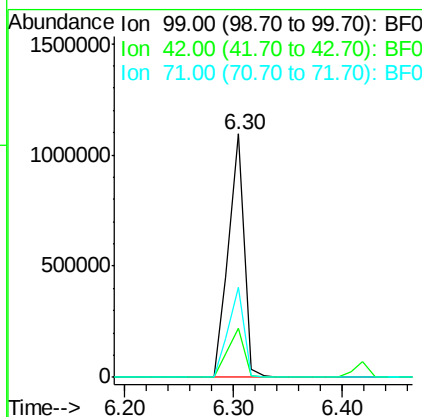
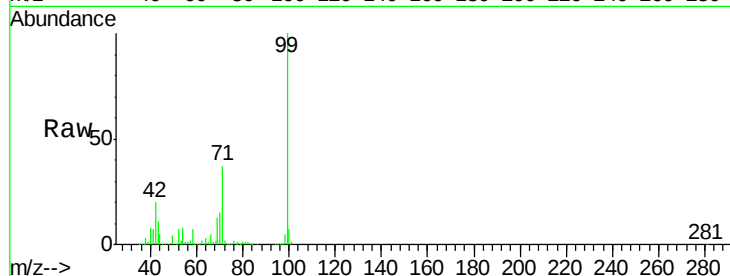
42 20.0 12.8 19.2#

71 37.2 30.9 46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 512

Delta R.T. -0.03 min

Lab File: BF084933.D

Acq: 8 Feb 2016 17:23

Tgt Ion: 136 Resp: 710346

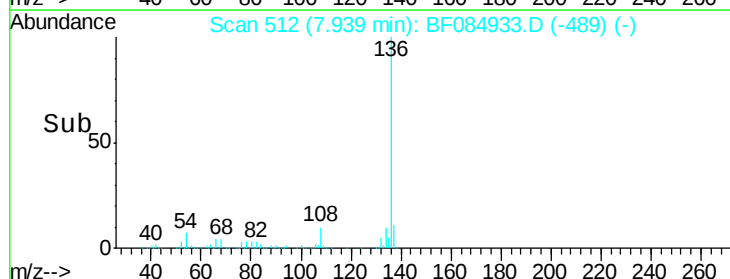
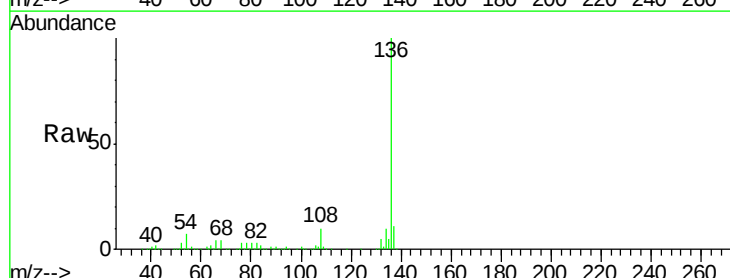
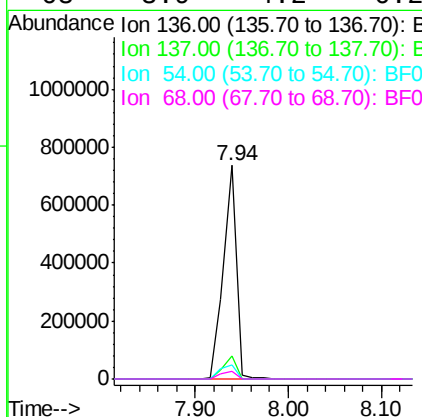
Ion Ratio Lower Upper

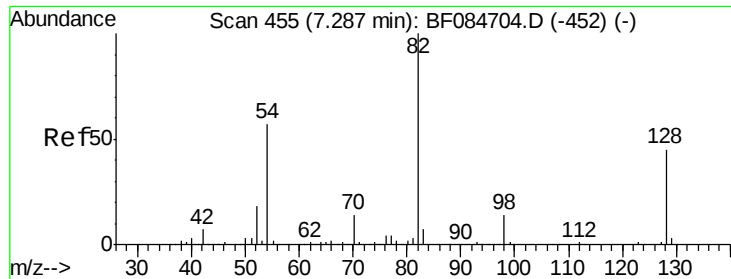
136 100

137 10.9 8.7 13.1

54 6.7 5.8 8.8

68 3.9 4.2 6.2#





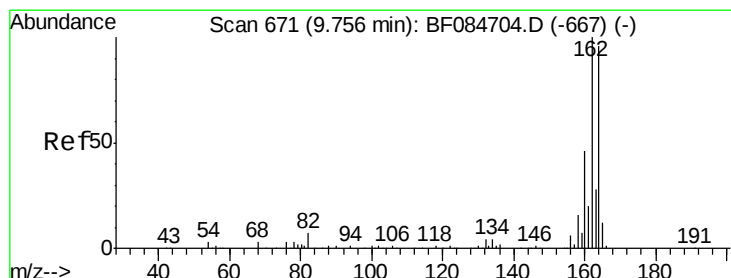
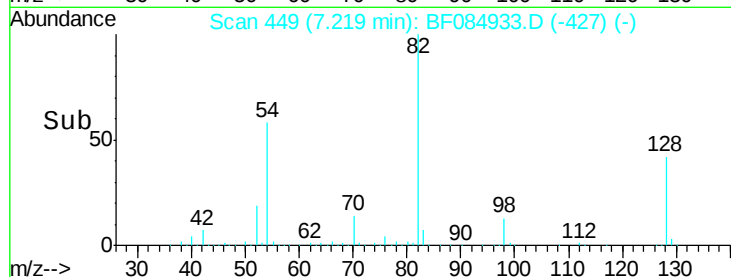
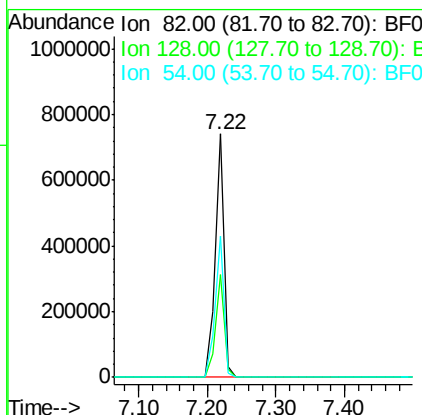
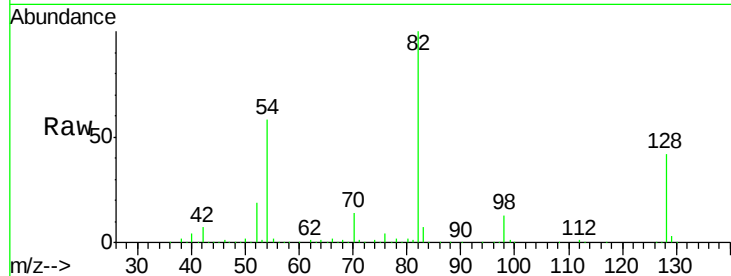
#23
Nitrobenzene-d5
Concen: 53.42 ng
RT: 7.22 min Scan# 449
Delta R.T. -0.05 min
Lab File: BF084933.D
Acq: 8 Feb 2016 17:23

Instrument :
BNA_F
ClientSampleId :
SUP-B017(5-7)

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	42.3	34.6	51.8
54	58.3	38.4	57.6

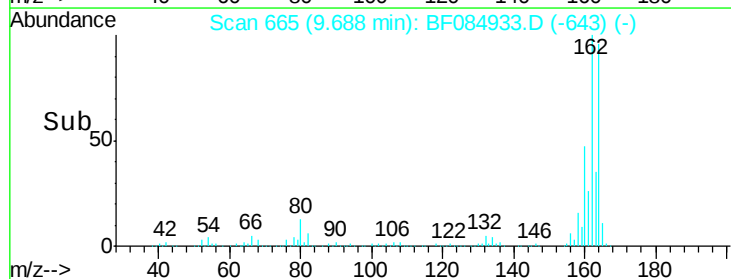
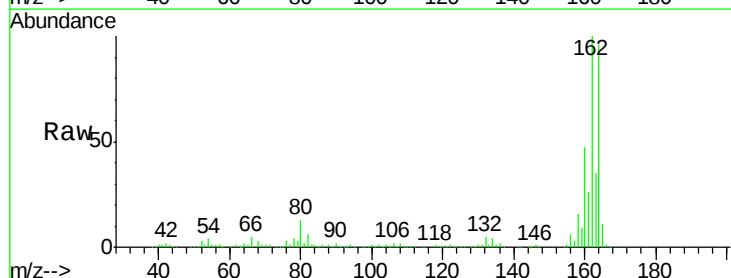
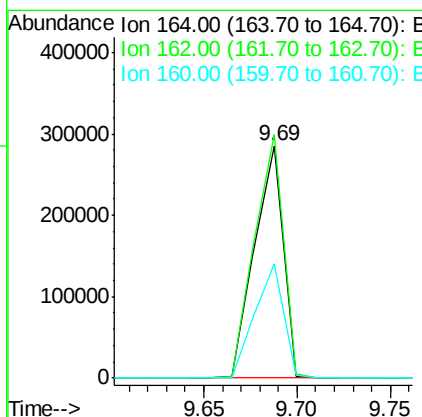
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.69 min Scan# 665
Delta R.T. -0.05 min
Lab File: BF084933.D
Acq: 8 Feb 2016 17:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
162	104.6	85.1	127.7
160	49.1	37.5	56.3





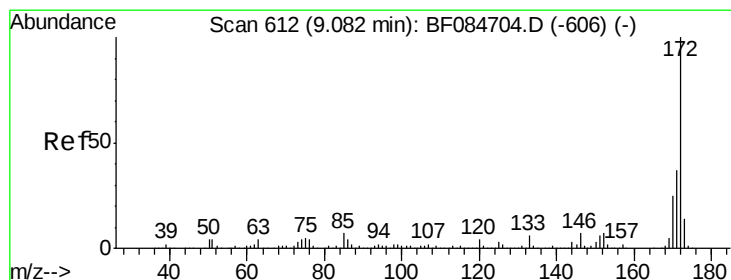
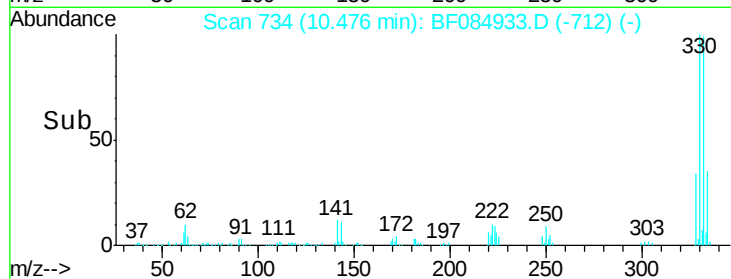
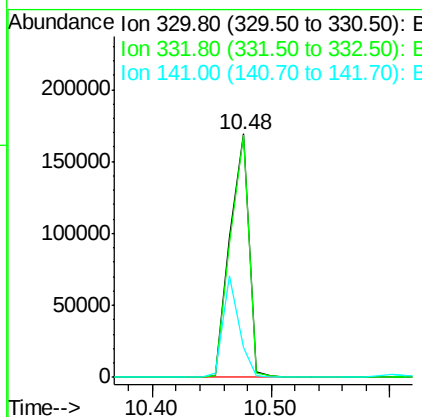
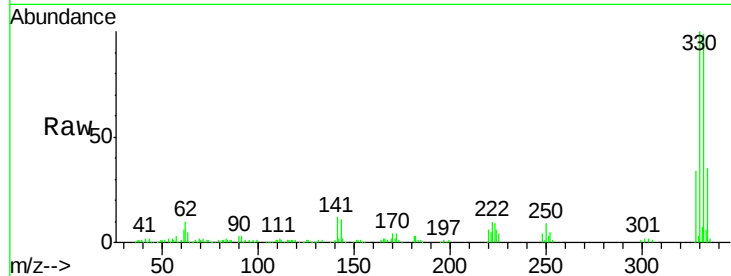
#41
 2,4,6-Tribromophenol
 Concen: 59.53 ng
 RT: 10.48 min Scan# 734
 Delta R.T. -0.05 min
 Lab File: BF084933.D
 Acq: 8 Feb 2016 17:23

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B017(5-7)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	187854		
332	97.8	76.6	114.8	
141	35.4	27.8	41.6	

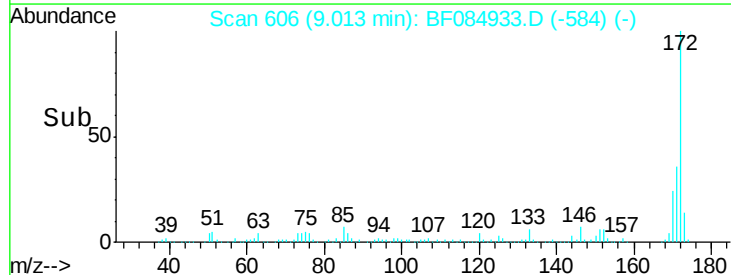
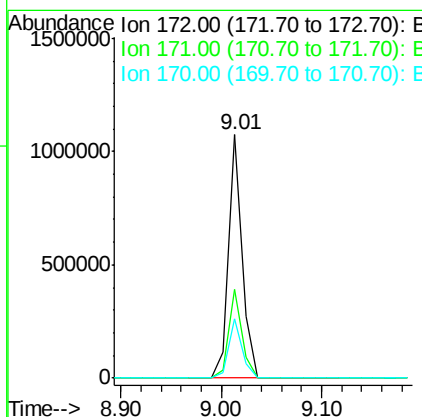
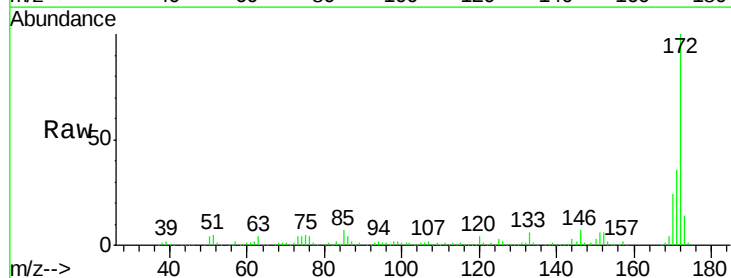
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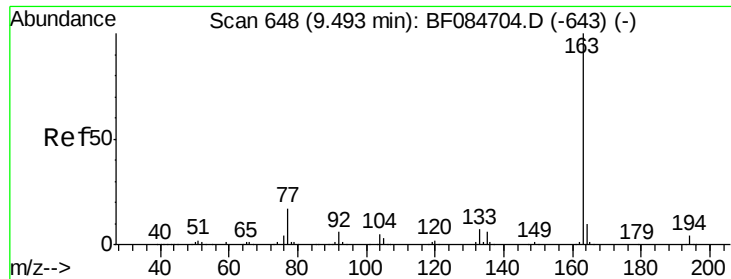
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#44
 2-Fluorobiphenyl
 Concen: 48.76 ng
 RT: 9.01 min Scan# 606
 Delta R.T. -0.05 min
 Lab File: BF084933.D
 Acq: 8 Feb 2016 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1007000		
171	36.5	28.9	43.3	
170	24.1	18.6	27.8	





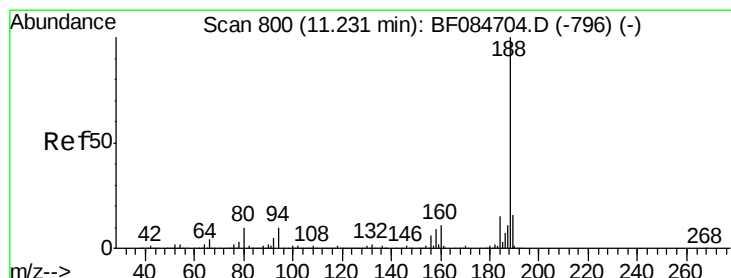
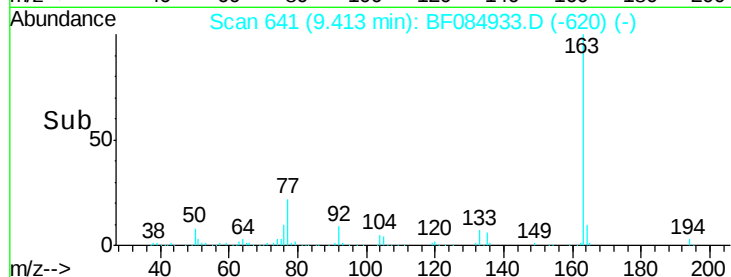
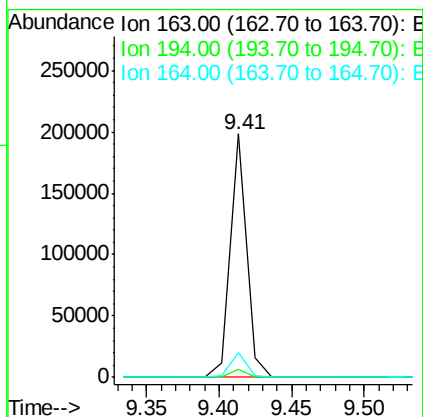
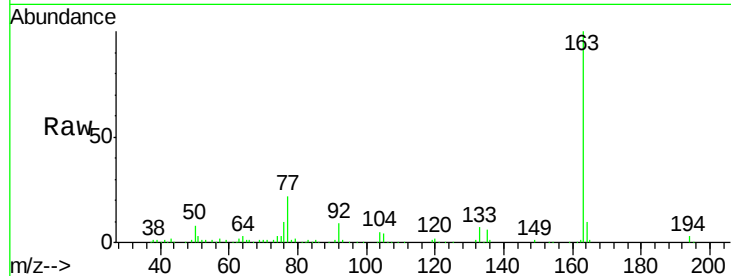
#49
Dimethylphthalate
Concen: 6.78 ng
RT: 9.41 min Scan# 641
Delta R.T. -0.06 min
Lab File: BF084933.D
Acq: 8 Feb 2016 17:23

Instrument :
BNA_F
ClientSampleId :
SUP-B017(5-7)

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.1	8.0	12.0#
164	9.9	8.0	12.0

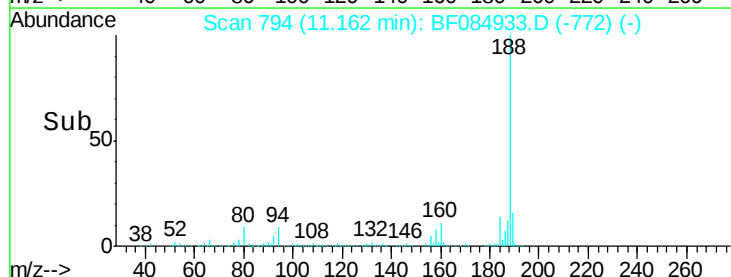
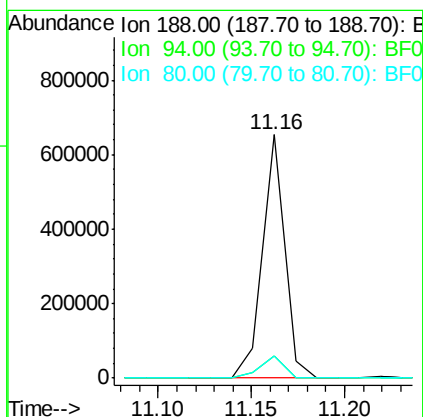
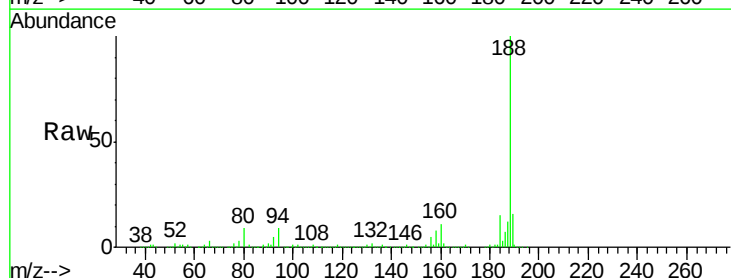
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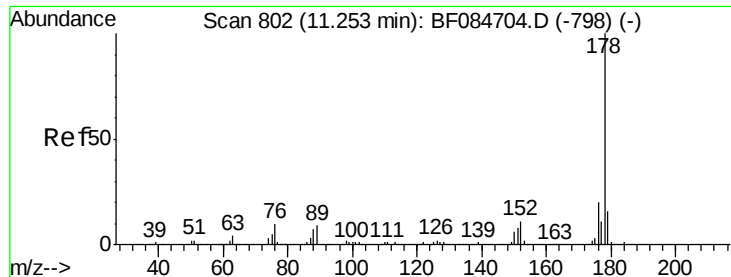
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 794
Delta R.T. -0.05 min
Lab File: BF084933.D
Acq: 8 Feb 2016 17:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.9	9.0	13.4#
80	9.3	9.6	14.4#





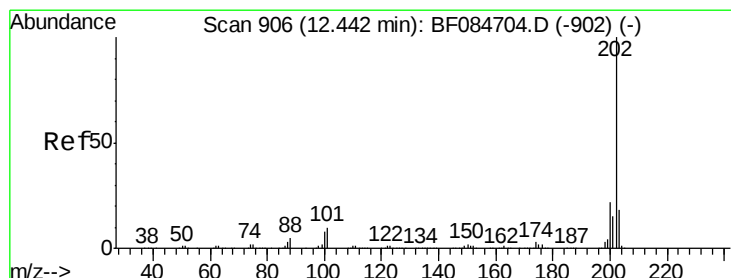
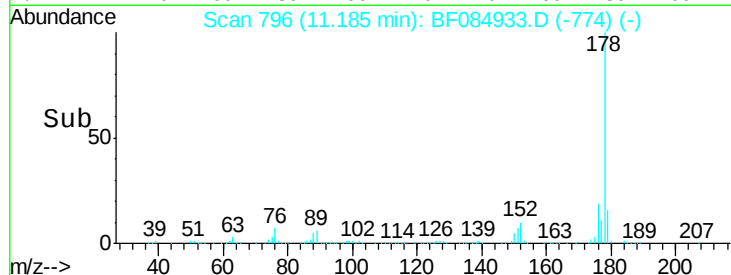
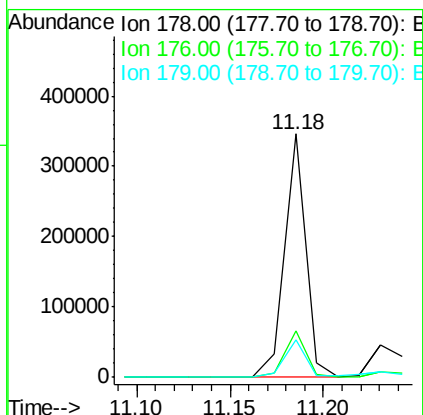
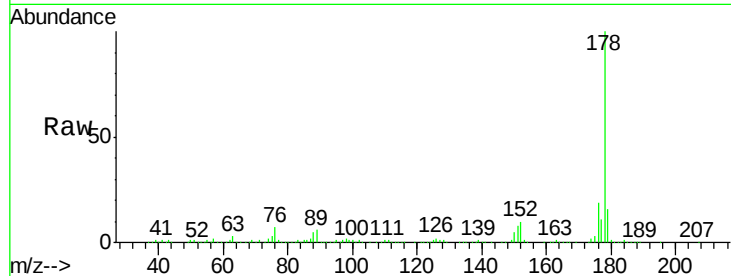
#70
Phenanthrene
Concen: 9.24 ng
RT: 11.18 min Scan# 796
Delta R.T. -0.05 min
Lab File: BF084933.D
Acq: 8 Feb 2016 17:23

Instrument :
BNA_F
ClientSampleId :
SUP-B017(5-7)

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	274910		
176	19.3	15.3	22.9	
179	15.6	12.0	18.0	

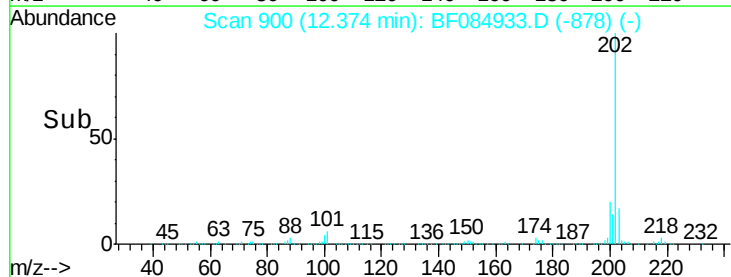
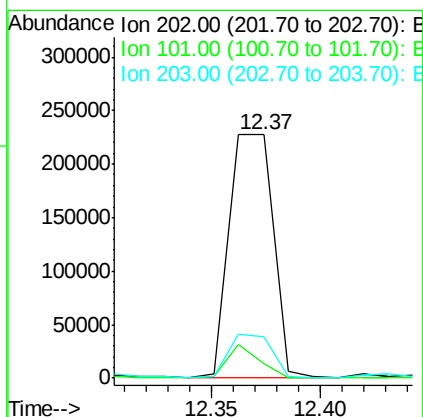
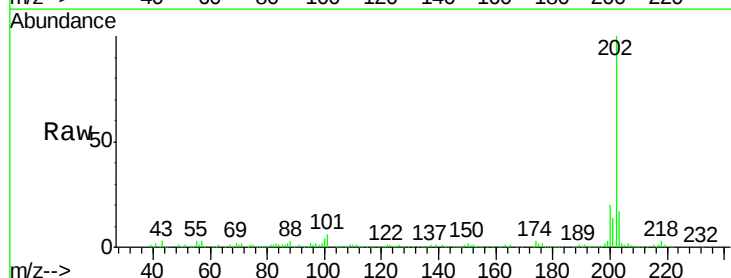
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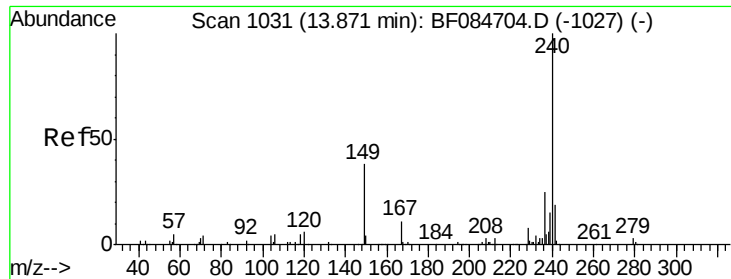
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#74
Fluoranthene
Concen: 10.51 ng
RT: 12.37 min Scan# 900
Delta R.T. -0.05 min
Lab File: BF084933.D
Acq: 8 Feb 2016 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	316261		
101	6.0	0.0	32.8	
203	17.1	0.0	37.9	





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.79 min Scan# 1024

Delta R.T. -0.05 min

Lab File: BF084933.D

Acq: 8 Feb 2016 17:23

Instrument :

BNA_F

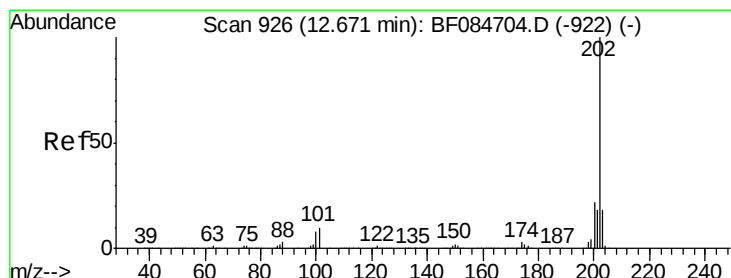
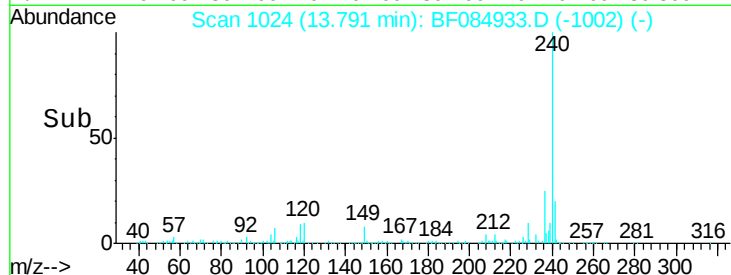
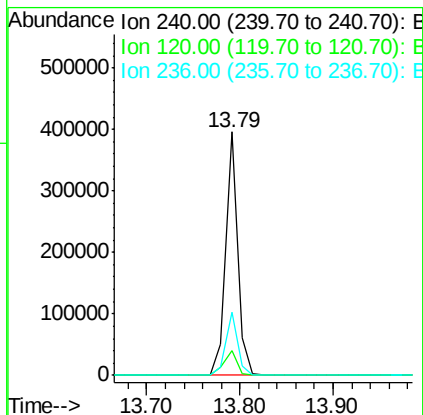
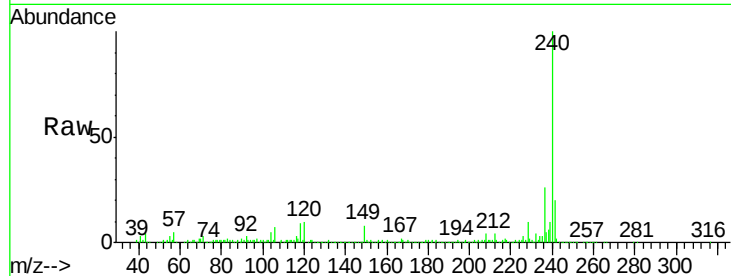
ClientSampleId :

SUP-B017(5-7)

Tgt Ion:	240	Resp:	355164
Ion Ratio	Lower	Upper	
240	100		
120	10.0	9.5	14.3
236	25.7	20.6	31.0

Manual Integrations
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#77

Pyrene

Concen: 14.69 ng

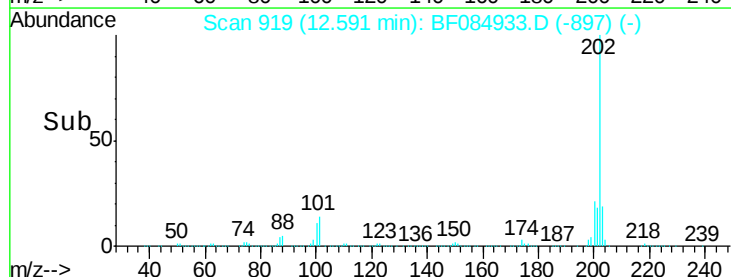
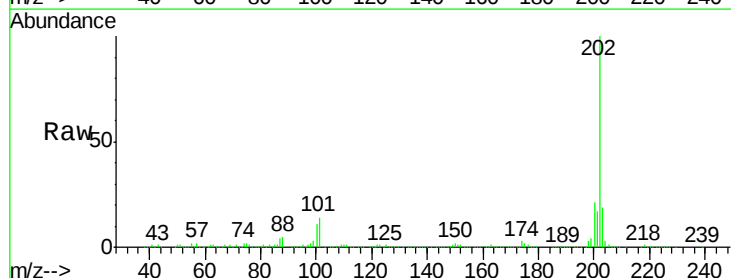
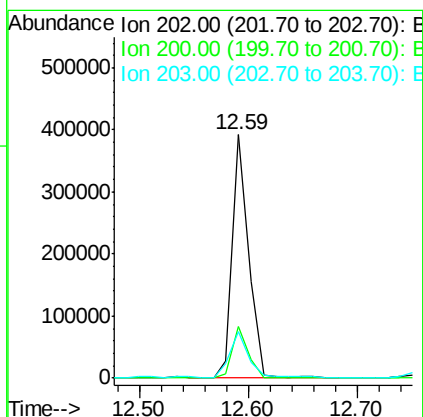
RT: 12.59 min Scan# 919

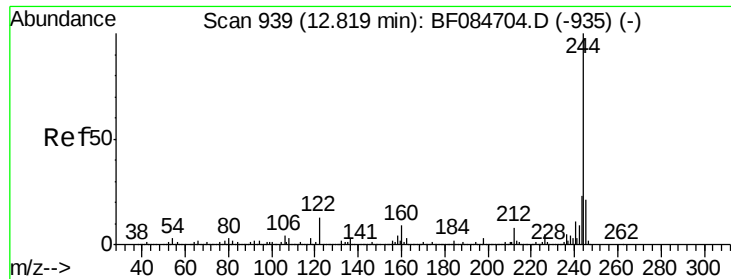
Delta R.T. -0.05 min

Lab File: BF084933.D

Acq: 8 Feb 2016 17:23

Tgt Ion:	202	Resp:	399429
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.2	25.8
203	19.0	14.3	21.5





#78

Terphenyl-d14

Concen: 56.80 ng

RT: 12.75 min Scan# 933

Delta R.T. -0.05 min

Lab File: BF084933.D

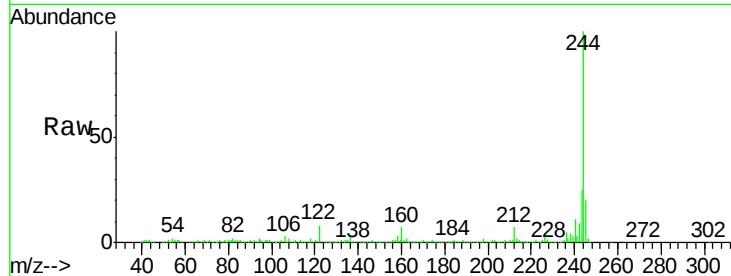
Acq: 8 Feb 2016 17:23

Instrument :

BNA_F

ClientSampleId :

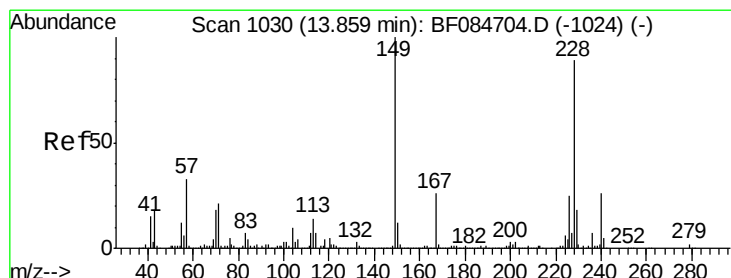
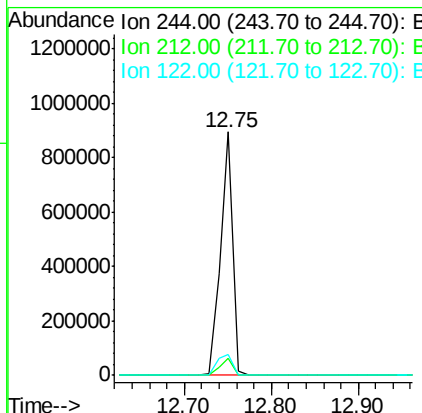
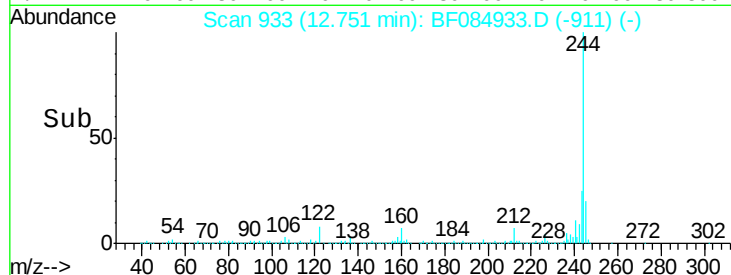
SUP-B017(5-7)



Tgt Ion	Ratio	Resp	Lower	Upper
244	100	890212		
212	7.1	5.7	8.5	
122	8.3	7.4	11.0	

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#80

Benzo(a)anthracene

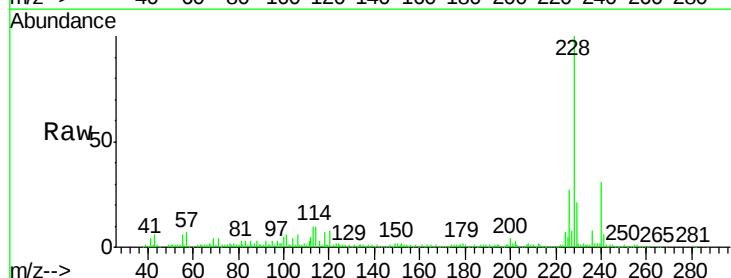
Concen: 8.02 ng

RT: 13.78 min Scan# 1023

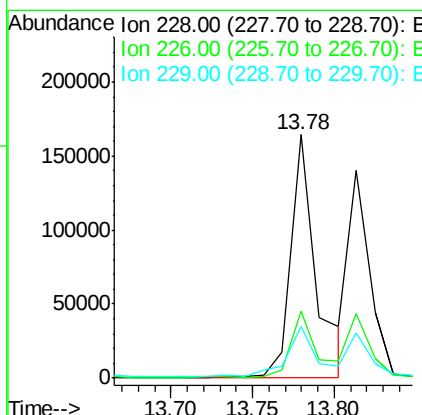
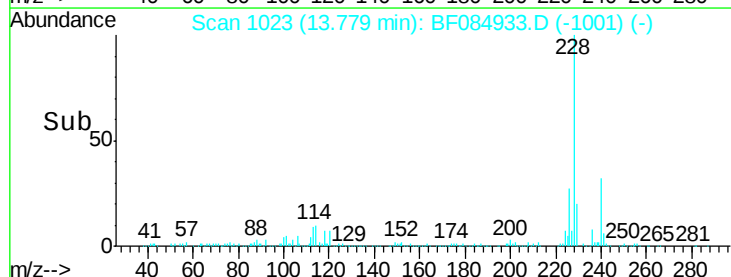
Delta R.T. -0.05 min

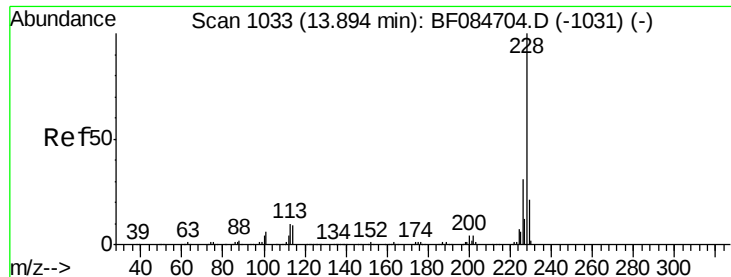
Lab File: BF084933.D

Acq: 8 Feb 2016 17:23



Tgt Ion	Ratio	Resp	Lower	Upper
228	100	176754		
226	27.3	21.8	32.6	
229	21.2	15.8	23.8	





#82

Chrysene

Concen: 6.01 ng

RT: 13.81 min Scan# 1026

Delta R.T. -0.05 min

Lab File: BF084933.D

Acq: 8 Feb 2016 17:23

Instrument :

BNA_F

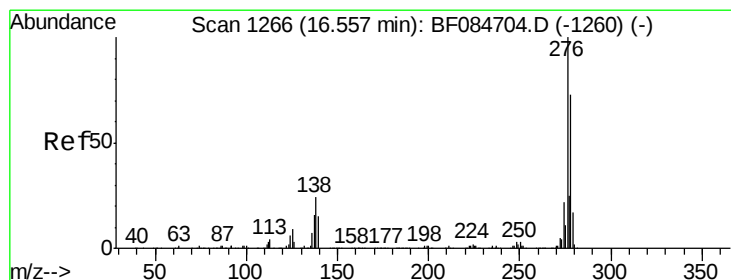
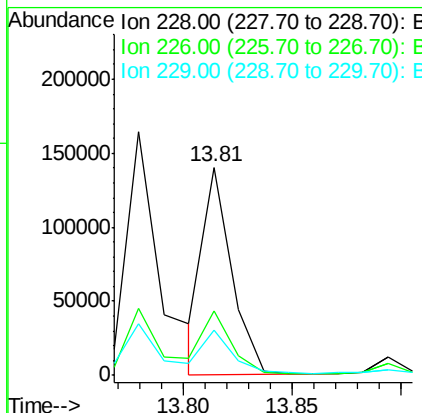
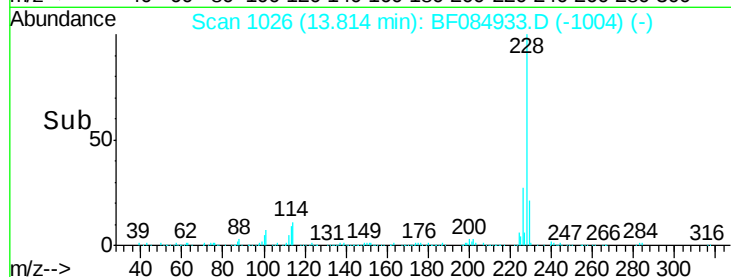
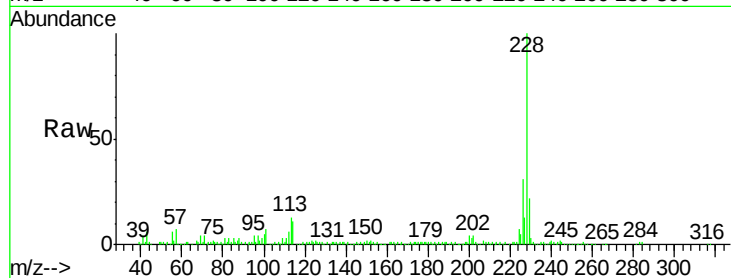
ClientSampleId :

SUP-B017(5-7)

Tgt Ion:	228	Resp:	128509
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.3	36.5
229	21.6	16.1	24.1

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.24 ng

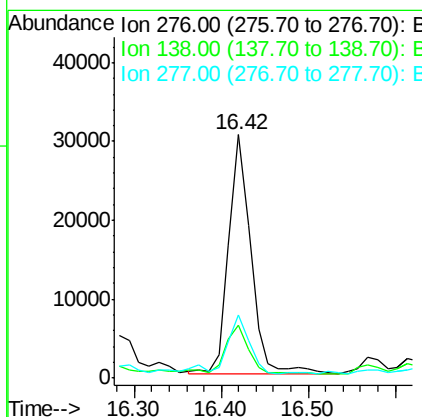
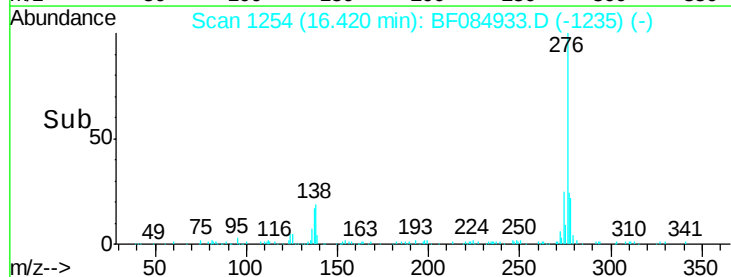
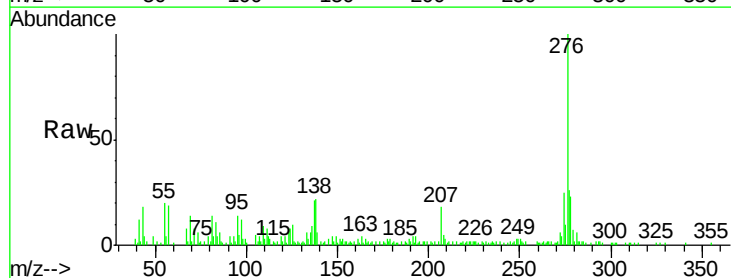
RT: 16.42 min Scan# 1254

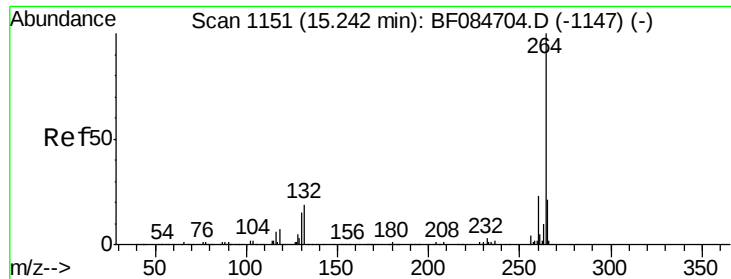
Delta R.T. -0.08 min

Lab File: BF084933.D

Acq: 8 Feb 2016 17:23

Tgt Ion:	276	Resp:	54494
Ion Ratio	Lower	Upper	
276	100		
138	22.3	20.6	30.8
277	26.3	20.1	30.1





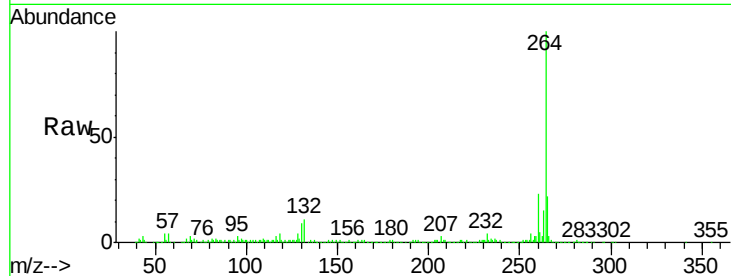
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.16 min Scan# 1144
Delta R.T. -0.05 min
Lab File: BF084933.D
Acq: 8 Feb 2016 17:23

Instrument :
BNA_F
ClientSampleId :
SUP-B017(5-7)

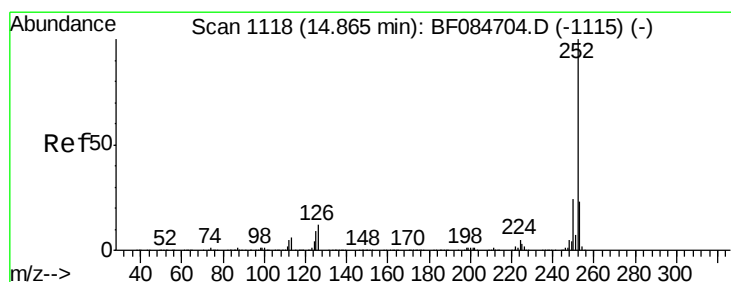
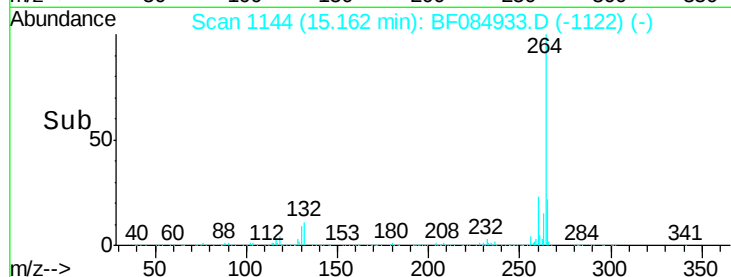
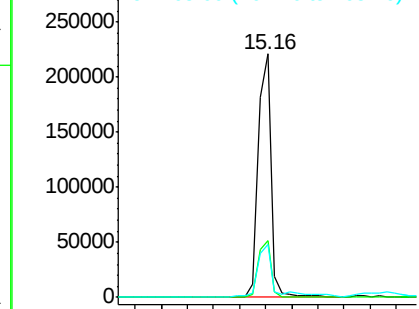
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	309696		
260	23.3	19.4	29.2	
265	21.7	17.8	26.6	

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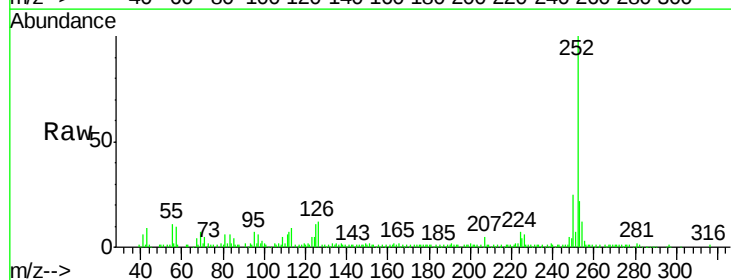


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

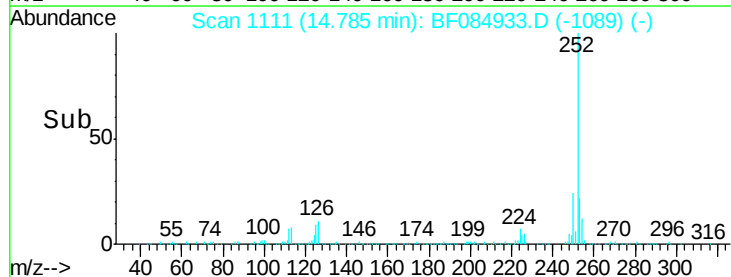
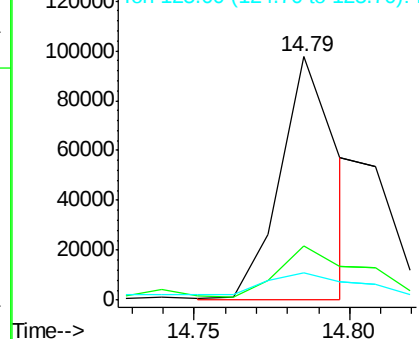


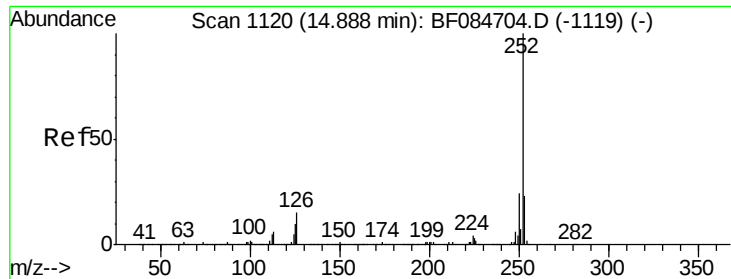
#87
Benzo(b)fluoranthene
Concen: 6.01 ng m
RT: 14.79 min Scan# 1111
Delta R.T. -0.05 min
Lab File: BF084933.D
Acq: 8 Feb 2016 17:23

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	125014		
253	22.3	17.3	25.9	
125	11.3	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





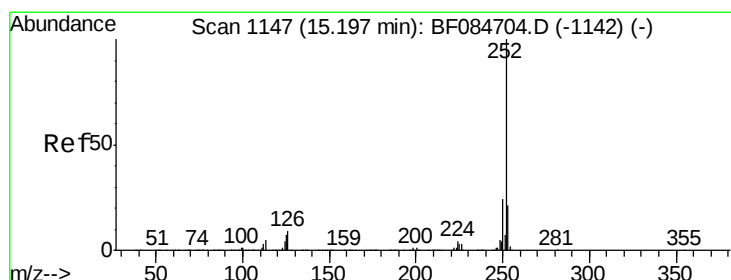
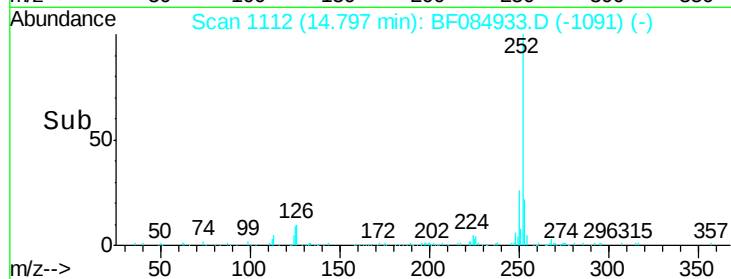
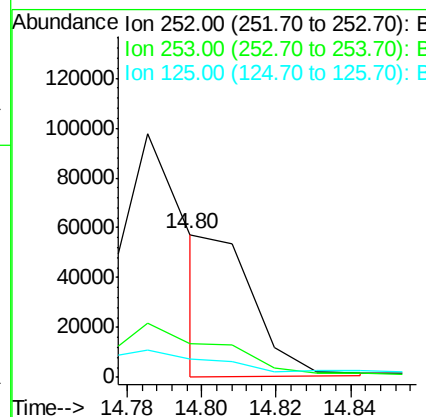
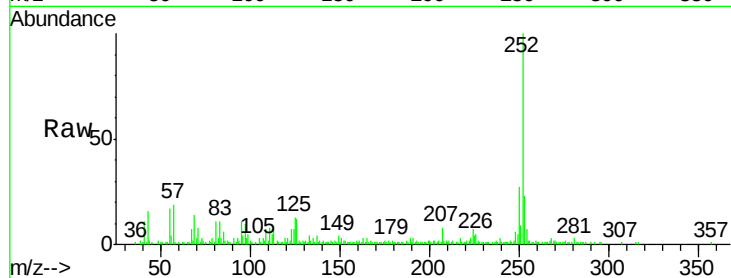
#88
Benzo(k)fluoranthene
Concen: 2.71 ng m
RT: 14.80 min Scan# 1112
Delta R.T. -0.06 min
Lab File: BF084933.D
Acq: 8 Feb 2016 17:23

Instrument :
BNA_F
ClientSampleId :
SUP-B017(5-7)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	13.2	9.0	13.6

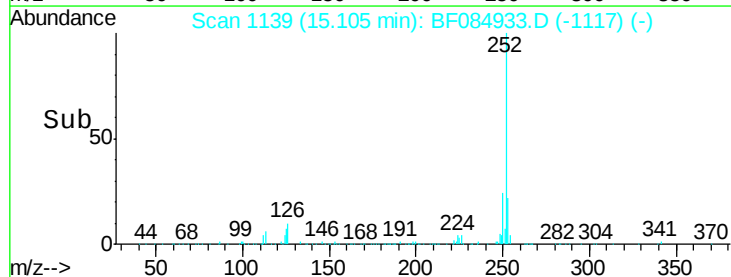
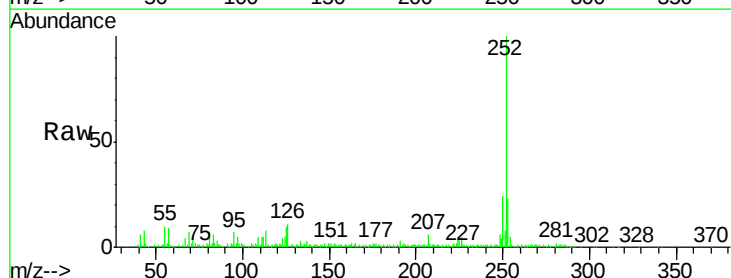
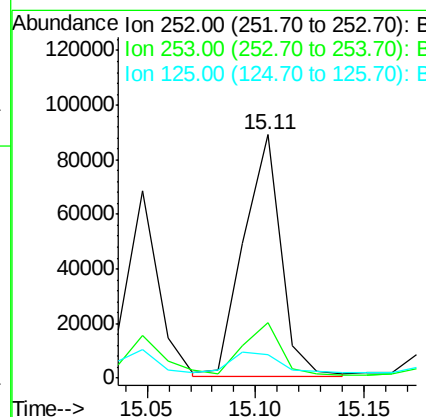
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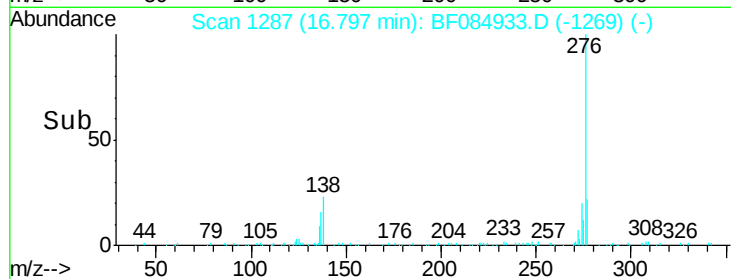
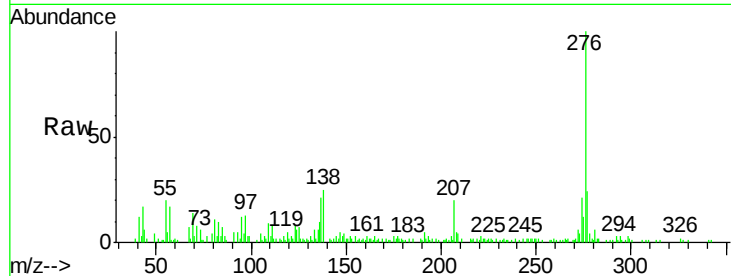
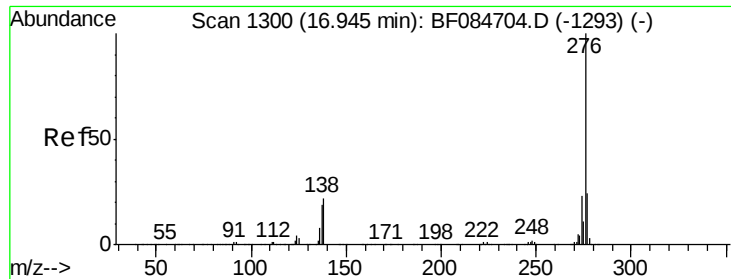
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#89
Benzo(a)pyrene
Concen: 5.95 ng
RT: 15.11 min Scan# 1139
Delta R.T. -0.05 min
Lab File: BF084933.D
Acq: 8 Feb 2016 17:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.3	25.9
125	9.6	7.0	10.4





#91

Benzo(g,h,i)perylene

Concen: 3.44 ng

RT: 16.80 min Scan# 1287

Delta R.T. -0.09 min

Lab File: BF084933.D

Acq: 8 Feb 2016 17:23

Instrument :

BNA_F

ClientSampleId :

SUP-B017(5-7)

Tgt Ion:	276	Resp:	51677
Ion Ratio	Lower	Upper	
276	100		
277	23.8	18.8	28.2
138	24.7	17.8	26.6

Manual Integrations
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