

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
 Data File : BF088619.D
 Acq On : 2 Jul 2016 16:11
 Operator : UM/SJ
 Sample : H3871-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 L8-B2(0-12)C

Manual Integrations

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Quant Time: Jul 03 03:36:57 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	107402	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	461804	20.00	ng	-0.02
38) Acenaphthene-d10	9.83	164	196055	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	306488	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	217347	20.00	ng	-0.02
86) Perylene-d12	15.33	264	229621	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	569576	79.48	ng	-0.02
7) Phenol-d6	6.42	99	739177	79.83	ng	-0.02
23) Nitrobenzene-d5	7.36	82	549423	62.35	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	154876	85.07	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	701715	56.54	ng	-0.02
78) Terphenyl-d14	12.89	244	469265	48.09	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.55	163	156162	11.18	ng	98
70) Phenanthrene	11.32	178	171746	10.25	ng	99
71) Anthracene	11.38	178	44530	2.67	ng	98
74) Fluoranthene	12.51	202	256923	15.13	ng	97
77) Pyrene	12.74	202	215864	11.71	ng	98
80) Benzo(a)anthracene	13.92	228	115187	8.23	ng	99
82) Chrysene	13.95	228	80368	5.80	ng	97
85) Indeno(1,2,3-cd)pyrene	16.66	276	44644	4.19	ng	# 100
87) Benzo(b)fluoranthene	14.94	252	118010m	8.19	ng	
88) Benzo(k)fluoranthene	14.96	252	39635m	3.16	ng	
89) Benzo(a)pyrene	15.27	252	84410	6.92	ng	99
91) Benzo(g,h,i)perylene	17.06	276	44054	4.18	ng	98

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

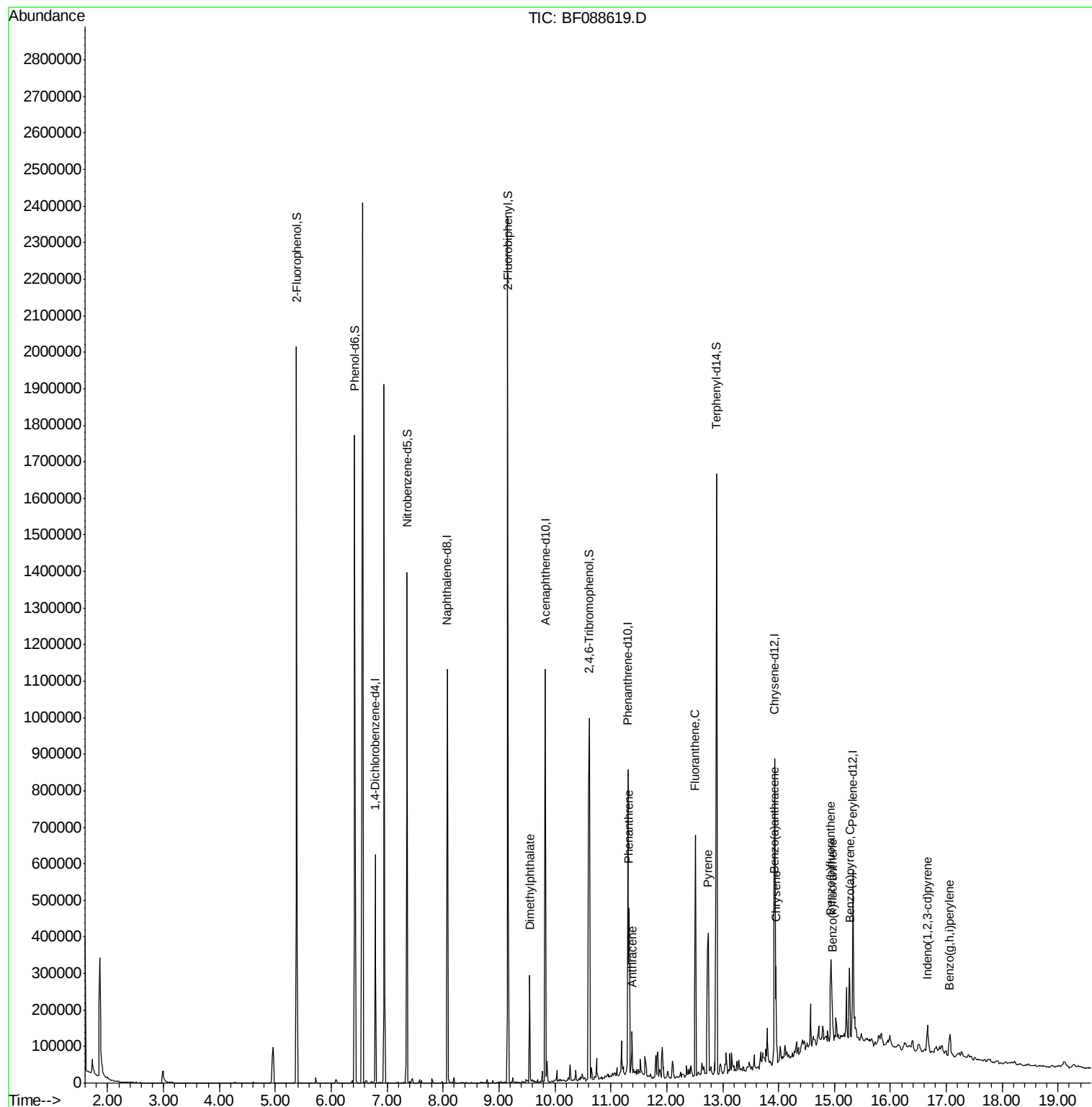
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
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#1

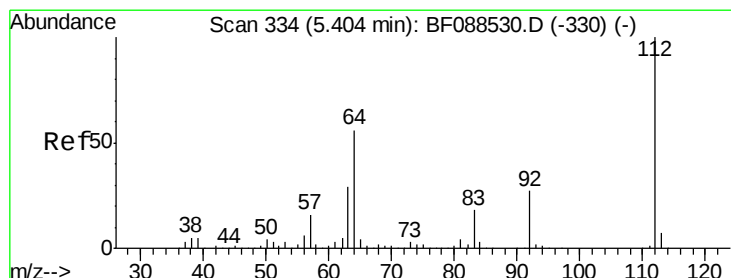
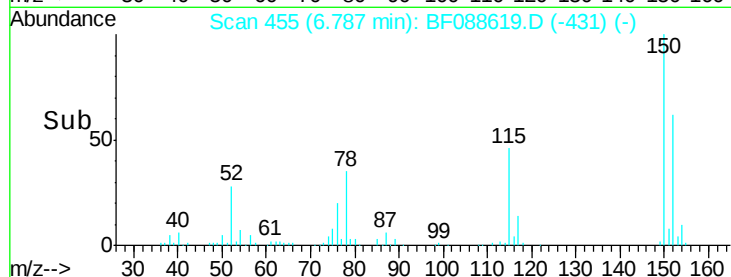
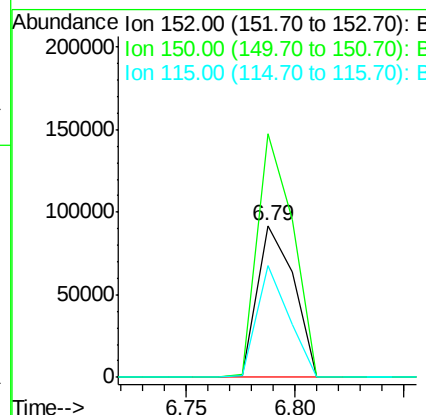
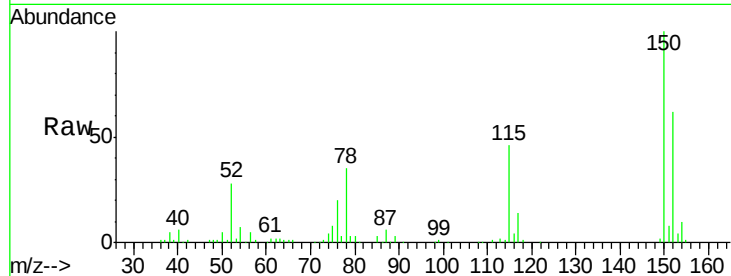
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 455
Delta R.T. -0.02 min
Lab File: BF088619.D
Acq: 2 Jul 2016 16:11

Instrument :
BNA_F
ClientSampleId :
L8-B2(0-12)C

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.5	123.8	185.6
115	73.9	39.6	59.4

Manual Integrations

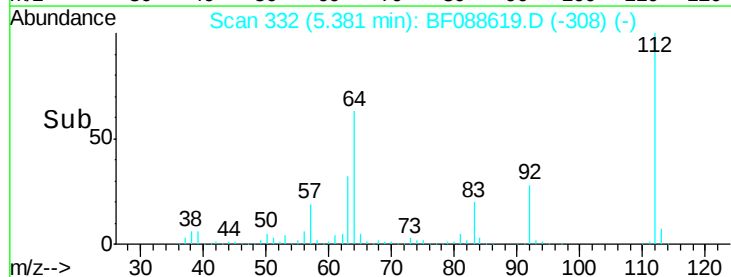
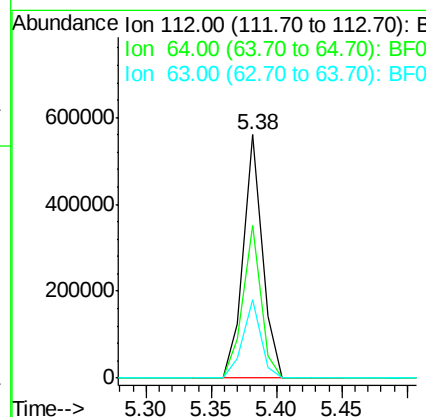
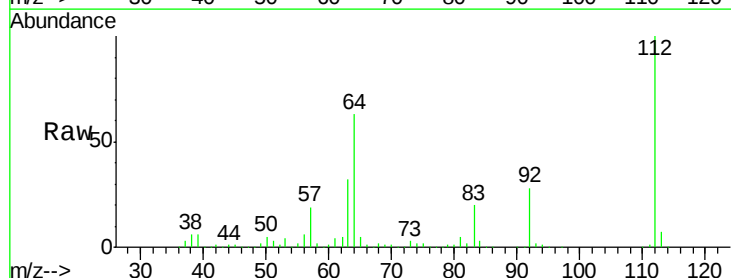
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#5

2-Fluorophenol
Concen: 79.48 ng
RT: 5.38 min Scan# 332
Delta R.T. -0.02 min
Lab File: BF088619.D
Acq: 2 Jul 2016 16:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.6	42.2	63.2
63	32.4	21.8	32.8





#7

Phenol-d6

Concen: 79.83 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF088619.D

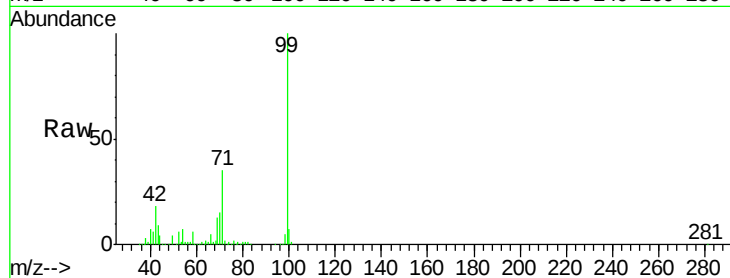
Acq: 2 Jul 2016 16:11

Instrument :

BNA_F

ClientSampleId :

L8-B2(0-12)C



Tgt Ion: 99 Resp: 739177

Ion Ratio Lower Upper

99 100

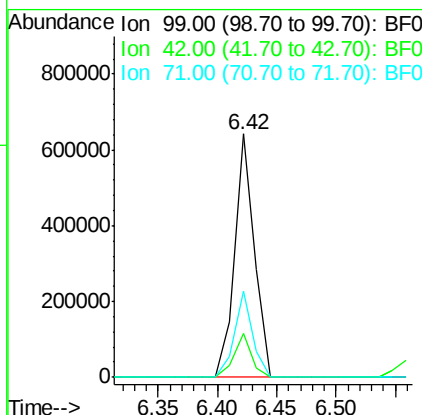
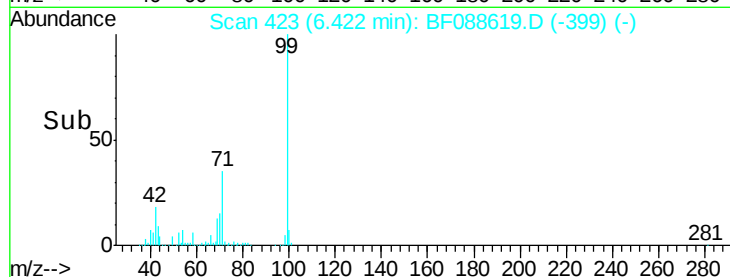
42 17.8 12.2 18.2

71 35.4 23.4 35.0#

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 568

Delta R.T. -0.02 min

Lab File: BF088619.D

Acq: 2 Jul 2016 16:11

Tgt Ion: 136 Resp: 461804

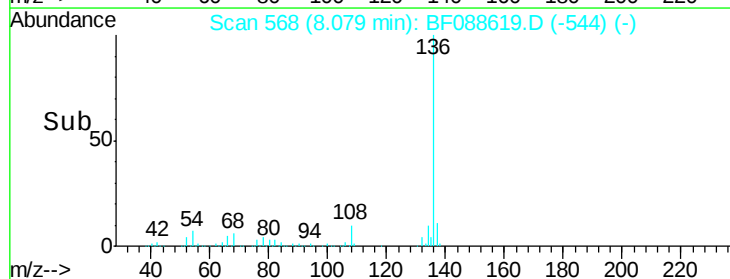
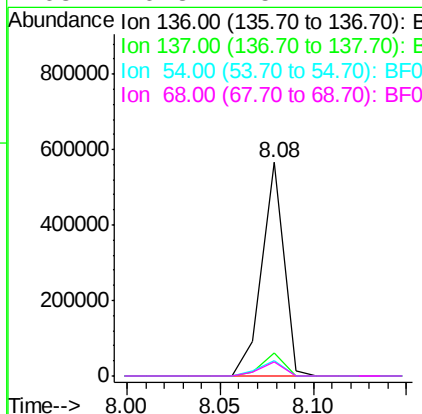
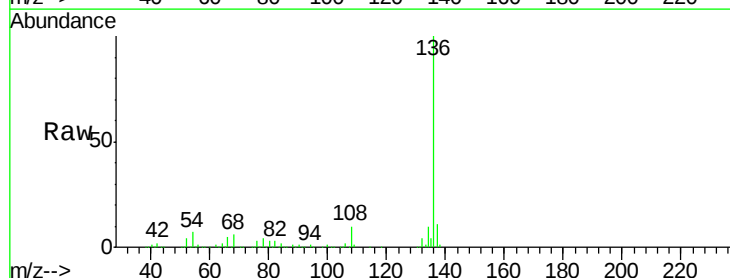
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 7.3 6.6 10.0

68 6.3 5.1 7.7





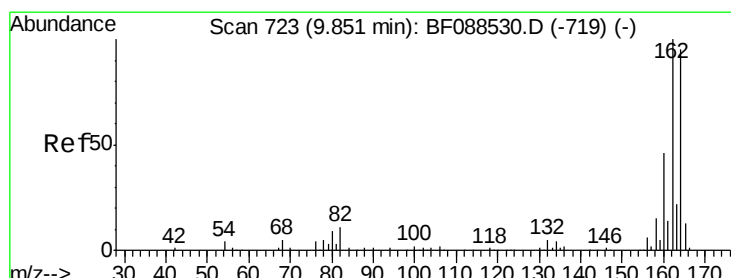
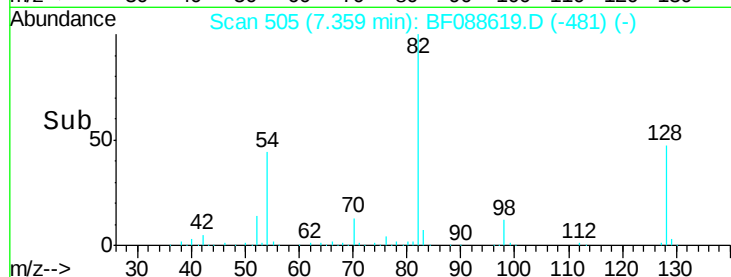
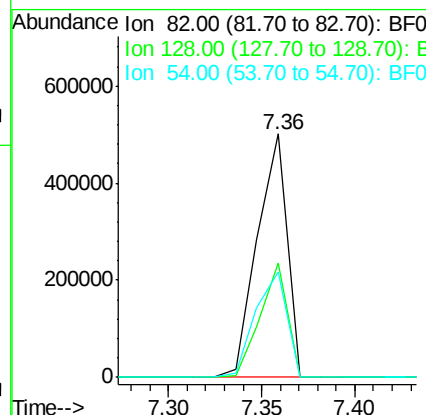
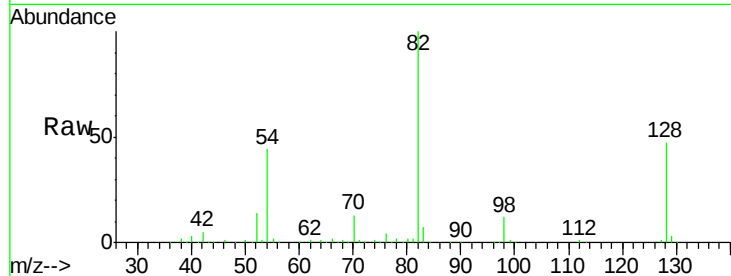
#23
Nitrobenzene-d5
Concen: 62.35 ng
RT: 7.36 min Scan# 505
Delta R.T. -0.02 min
Lab File: BF088619.D
Acq: 2 Jul 2016 16:11

Instrument :
BNA_F
ClientSampleId :
L8-B2(0-12)C

Tgt Ion	82	128	54
Resp	549423		
Ratio	100	47.0	43.5
Lower		35.9	40.9
Upper		53.9	61.3

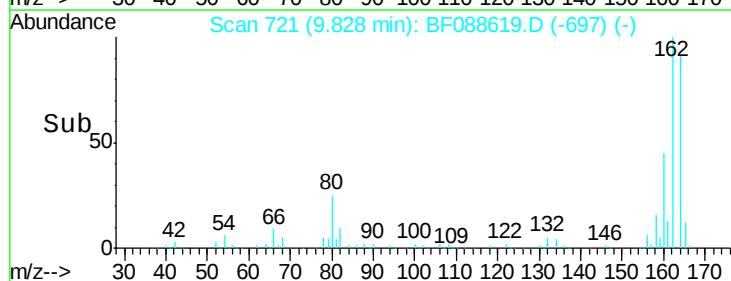
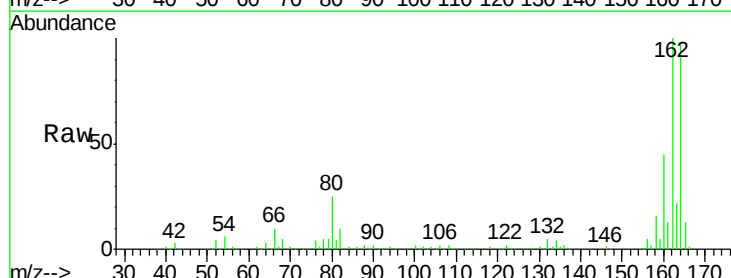
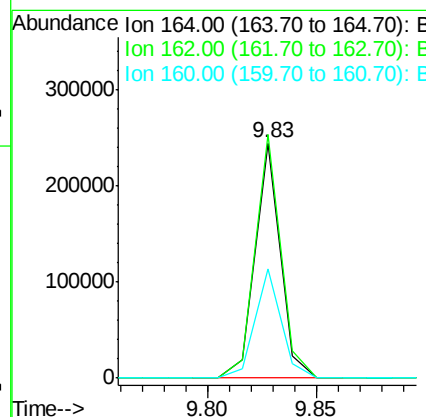
Manual Integrations

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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.83 min Scan# 721
Delta R.T. -0.02 min
Lab File: BF088619.D
Acq: 2 Jul 2016 16:11

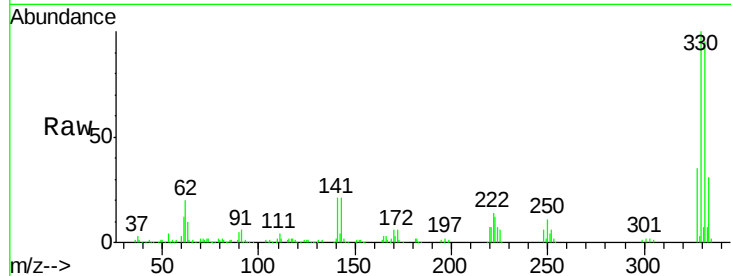
Tgt Ion	164	162	160
Resp	196055		
Ratio	100	103.5	46.6
Lower		85.4	39.5
Upper		128.2	59.3





#41
 2,4,6-Tribromophenol
 Concen: 85.07 ng
 RT: 10.62 min Scan# 790
 Delta R.T. -0.02 min
 Lab File: BF088619.D
 Acq: 2 Jul 2016 16:11

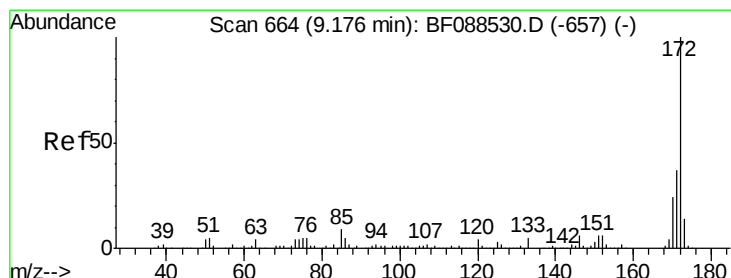
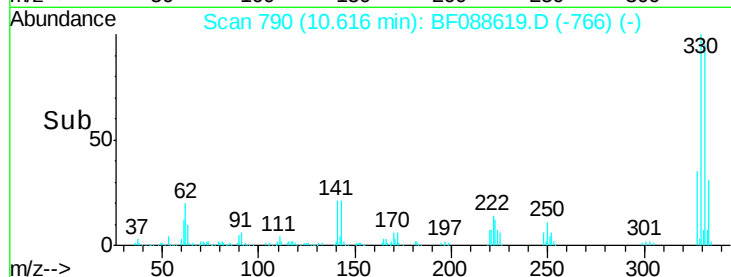
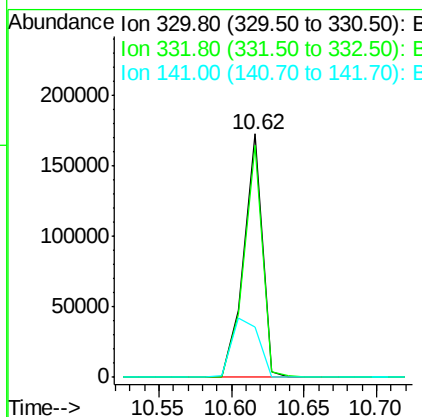
Instrument :
 BNA_F
 ClientSampleId :
 L8-B2(0-12)C



Tgt Ion	Ratio	Resp	Lower	Upper
330	100	154876		
332	95.7	0.0	0.0	0.0
141	35.4	0.0	0.0	0.0

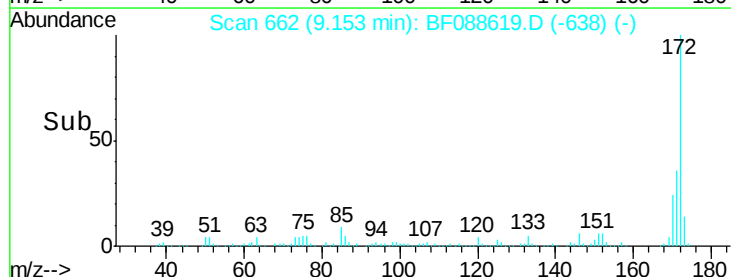
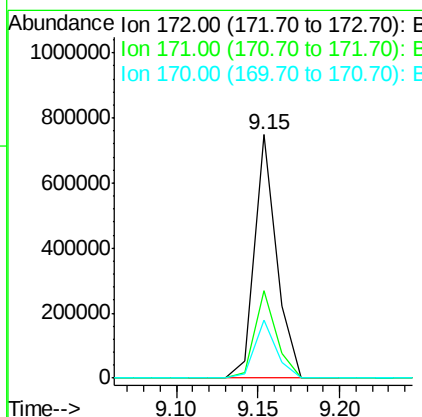
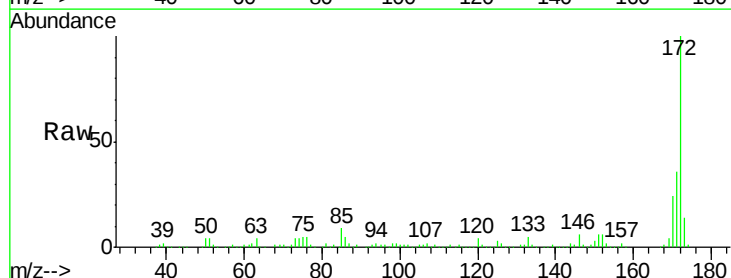
Manual Integrations

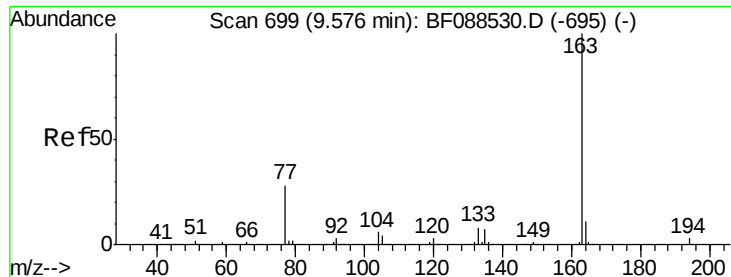
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#44
 2-Fluorobiphenyl
 Concen: 56.54 ng
 RT: 9.15 min Scan# 662
 Delta R.T. -0.02 min
 Lab File: BF088619.D
 Acq: 2 Jul 2016 16:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	701715		
171	35.9	28.6	43.0	
170	23.8	19.2	28.8	





#49

Dimethylphthalate

Concen: 11.18 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.02 min

Lab File: BF088619.D

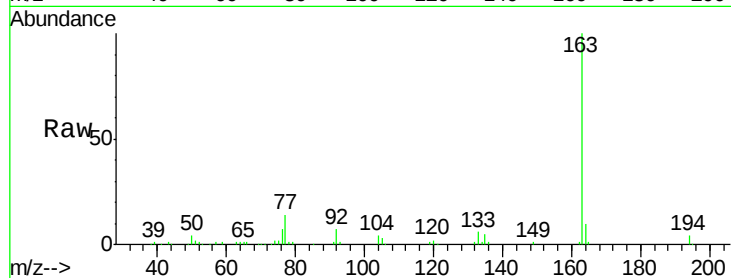
Acq: 2 Jul 2016 16:11

Instrument :

BNA_F

ClientSampleId :

L8-B2(0-12)C

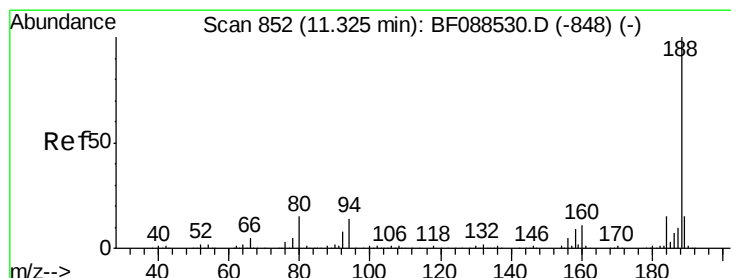
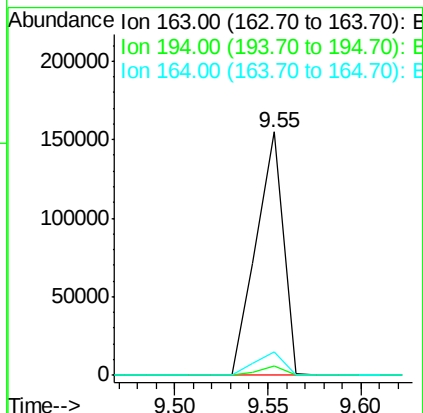
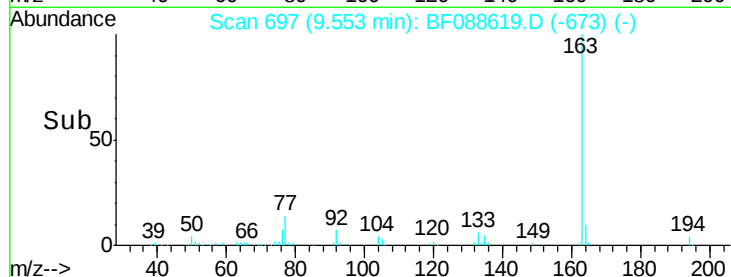


Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.8	4.2
164	9.5	8.3	12.5

Manual Integrations

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#63

Phenanthrene-d10

Concen: 20.00 ng

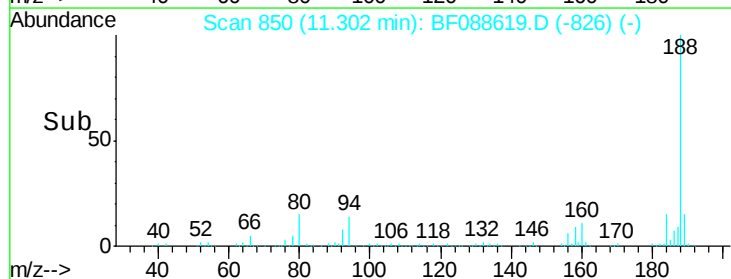
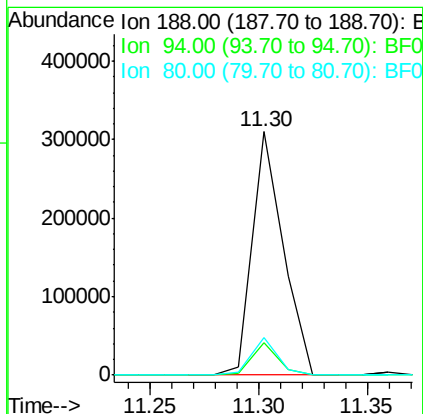
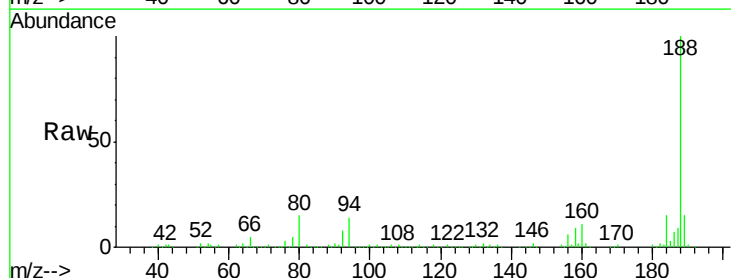
RT: 11.30 min Scan# 850

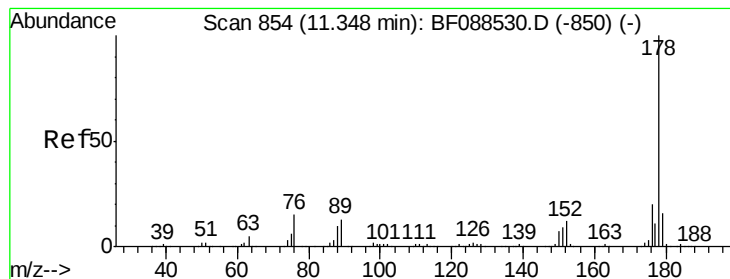
Delta R.T. -0.02 min

Lab File: BF088619.D

Acq: 2 Jul 2016 16:11

Tgt Ion	Ratio	Lower	Upper
188	100		
94	13.5	9.0	13.6
80	15.3	10.0	15.0#





#70

Phenanthrene

Concen: 10.25 ng

RT: 11.32 min Scan# 852

Delta R.T. -0.02 min

Lab File: BF088619.D

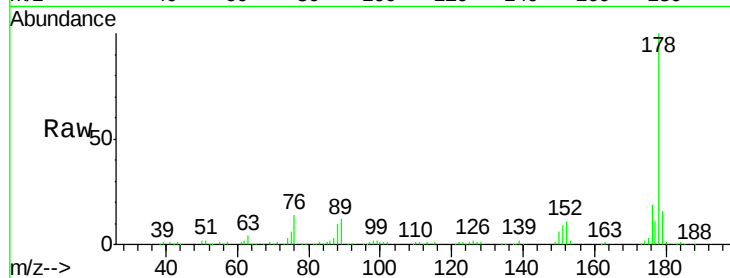
Acq: 2 Jul 2016 16:11

Instrument :

BNA_F

ClientSampleId :

L8-B2(0-12)C



Tgt Ion:178 Resp: 171746

Ion Ratio Lower Upper

178 100

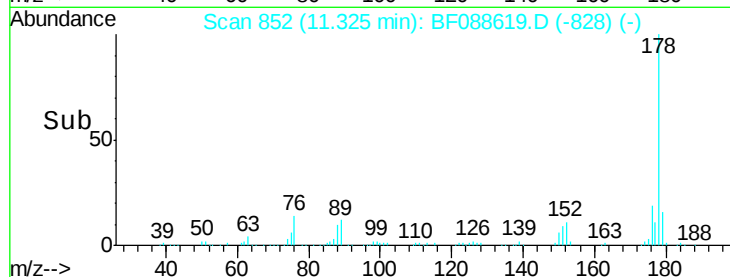
176 18.8 15.8 23.6

179 15.8 13.0 19.4

Manual Integrations

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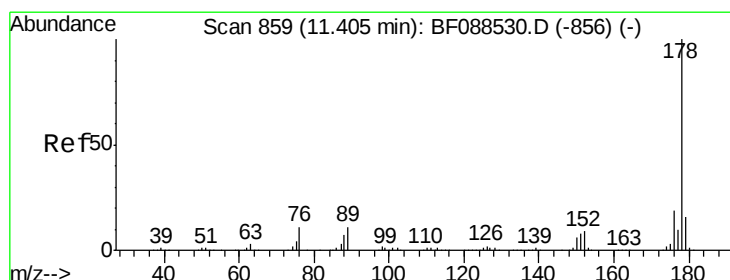
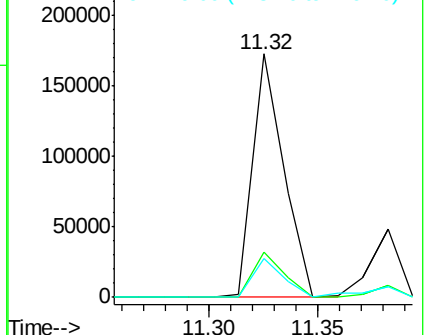
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 2.67 ng

RT: 11.38 min Scan# 857

Delta R.T. -0.02 min

Lab File: BF088619.D

Acq: 2 Jul 2016 16:11

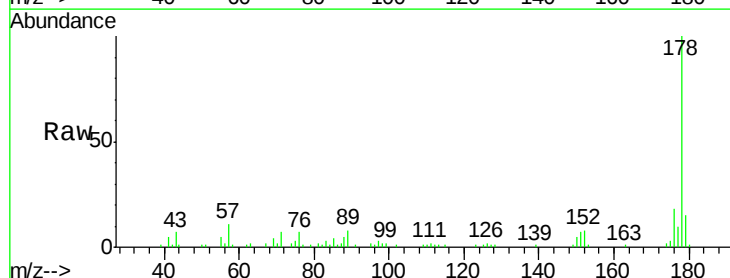
Tgt Ion:178 Resp: 44530

Ion Ratio Lower Upper

178 100

176 18.3 15.6 23.4

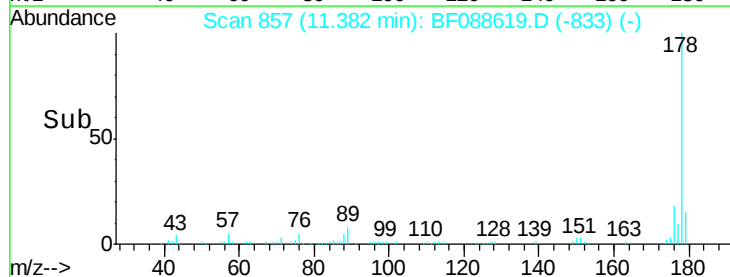
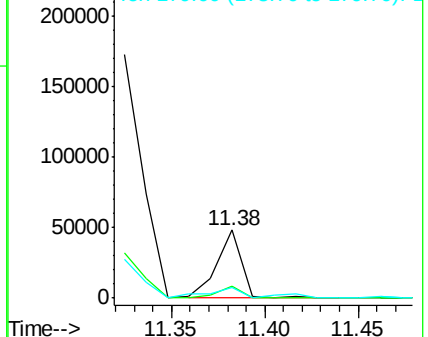
179 15.4 12.8 19.2

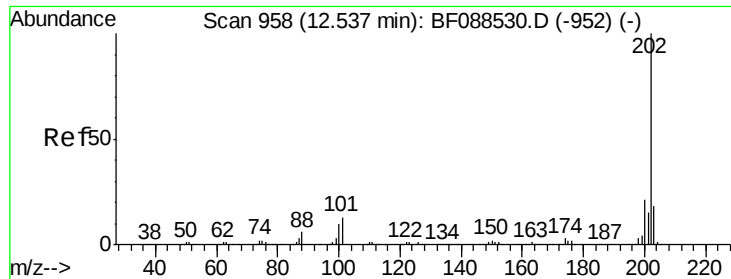


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 15.13 ng

RT: 12.51 min Scan# 956

Delta R.T. -0.02 min

Lab File: BF088619.D

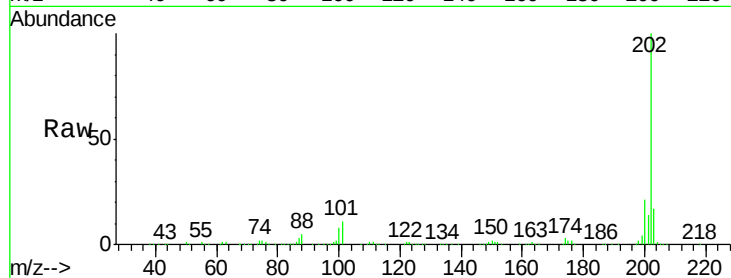
Acq: 2 Jul 2016 16:11

Instrument :

BNA_F

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L8-B2(0-12)C

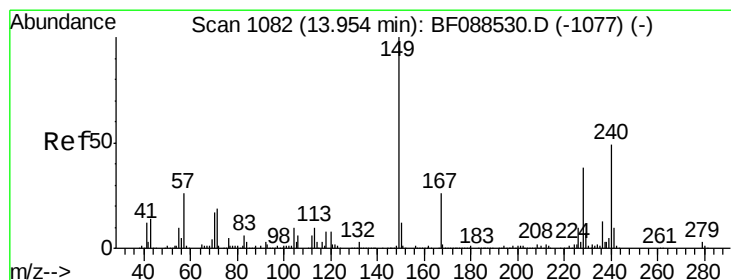
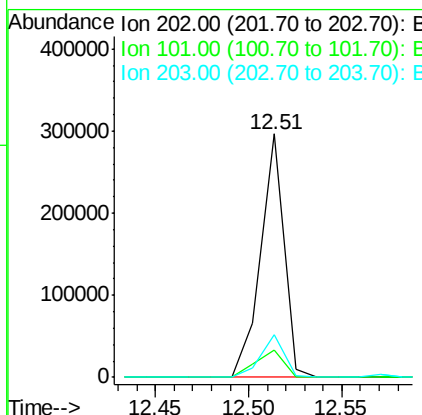
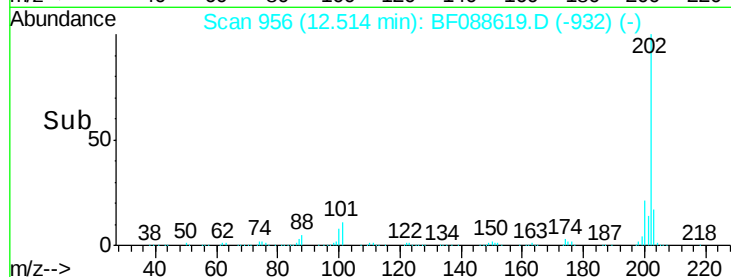


Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		256923		
101	11.0	0.0	33.1		
203	17.4	0.0	38.1		

Manual Integrations

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#75

Chrysene-d12

Concen: 20.00 ng

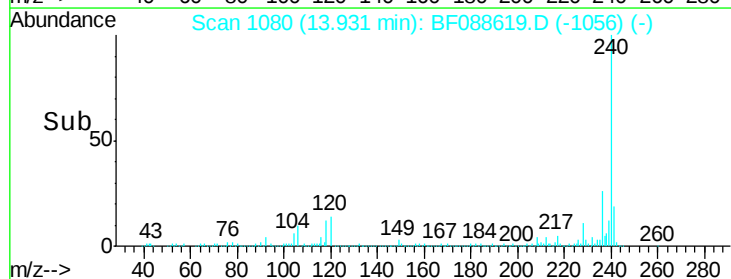
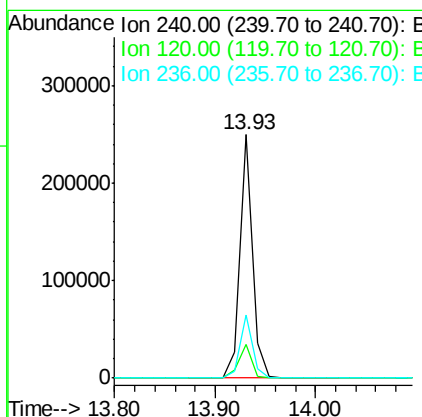
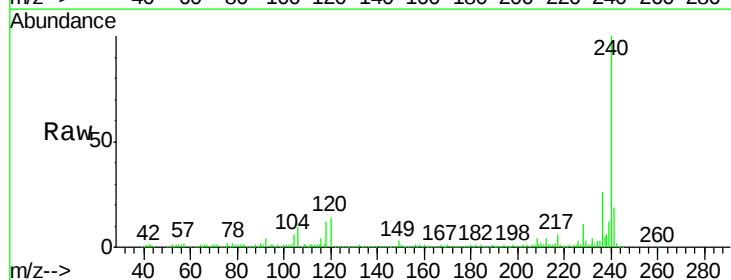
RT: 13.93 min Scan# 1080

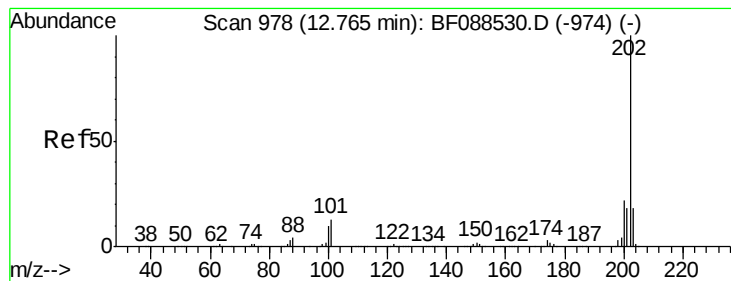
Delta R.T. -0.02 min

Lab File: BF088619.D

Acq: 2 Jul 2016 16:11

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		217347		
120	13.7	6.8	10.2#		
236	25.8	20.2	30.2		





#77

Pyrene

Concen: 11.71 ng

RT: 12.74 min Scan# 976

Delta R.T. -0.02 min

Lab File: BF088619.D

Acq: 2 Jul 2016 16:11

Instrument :

BNA_F

ClientSampleId :

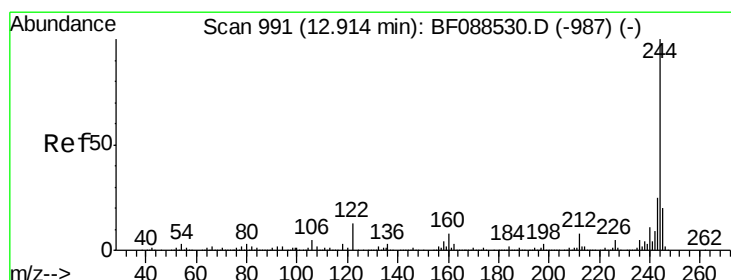
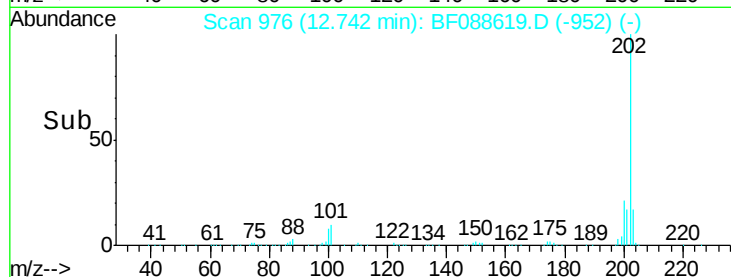
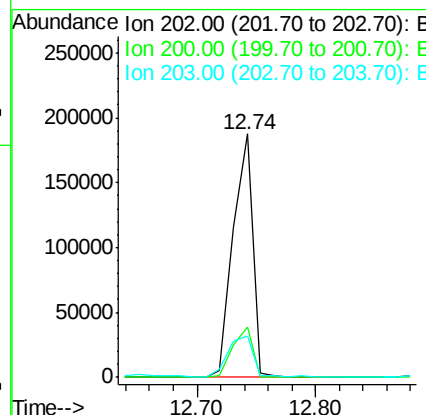
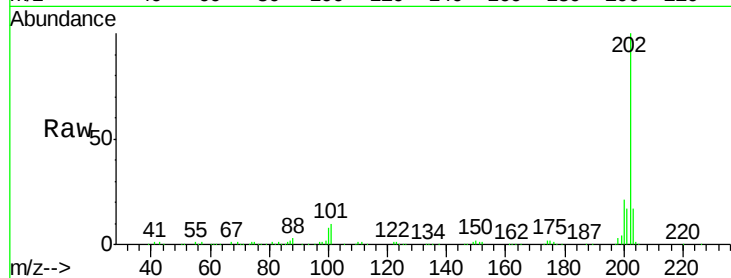
L8-B2(0-12)C

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	17.1	14.5	21.7

Manual Integrations

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#78

Terphenyl-d14

Concen: 48.09 ng

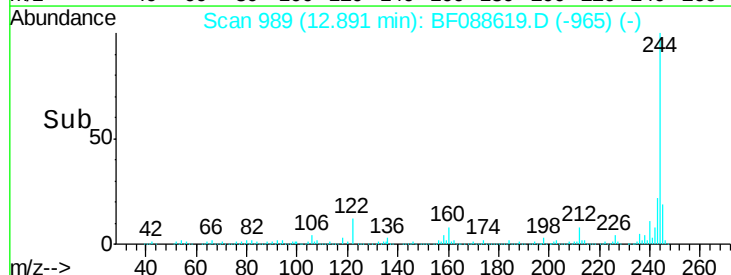
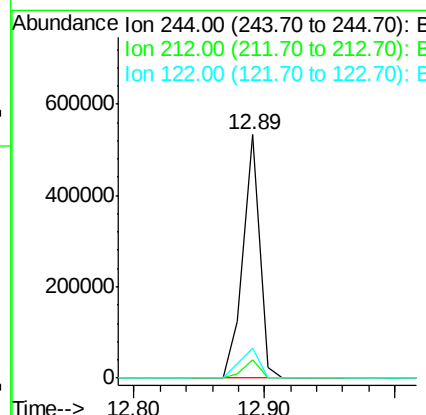
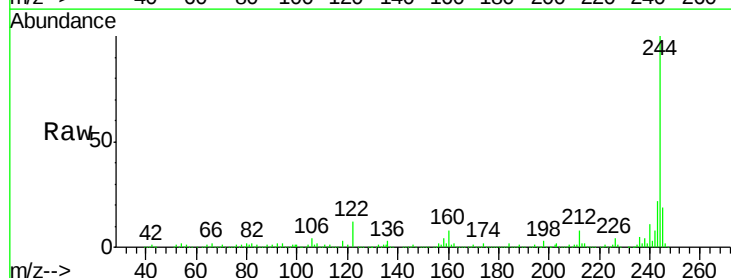
RT: 12.89 min Scan# 989

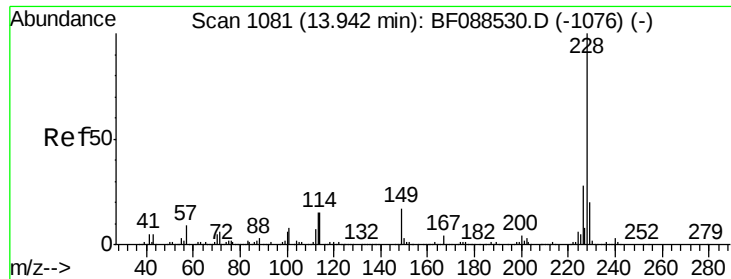
Delta R.T. -0.02 min

Lab File: BF088619.D

Acq: 2 Jul 2016 16:11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	12.2	11.2	16.8





#80

Benzo(a)anthracene

Concen: 8.23 ng

RT: 13.92 min Scan# 1079

Delta R.T. -0.02 min

Lab File: BF088619.D

Acq: 2 Jul 2016 16:11

Instrument :

BNA_F

ClientSampleId :

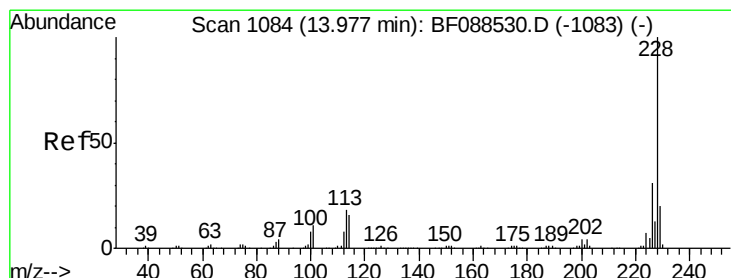
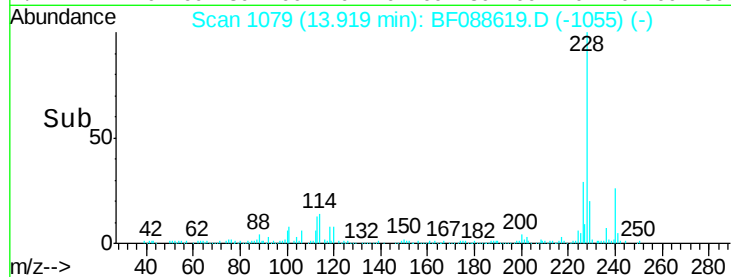
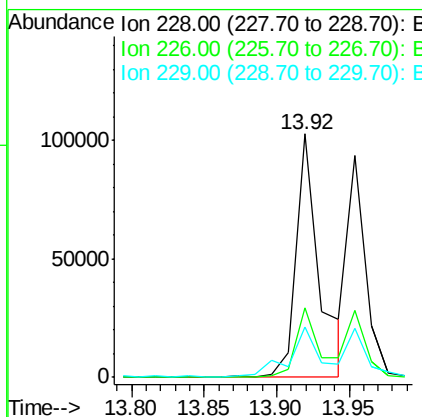
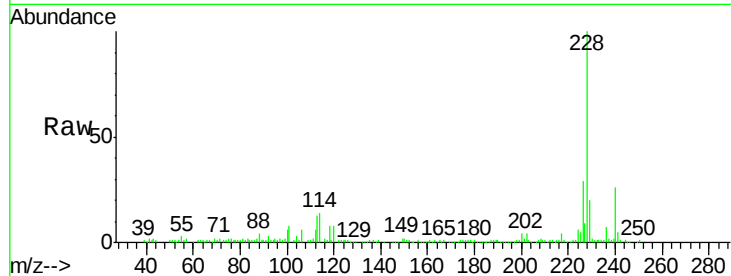
L8-B2(0-12)C

Tgt Ion:	228	Resp:	115187
Ion Ratio	Lower	Upper	
228	100		
226	28.6	22.3	33.5
229	20.4	16.0	24.0

Manual Integrations

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#82

Chrysene

Concen: 5.80 ng

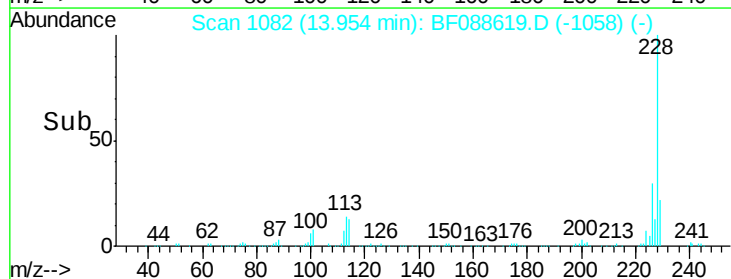
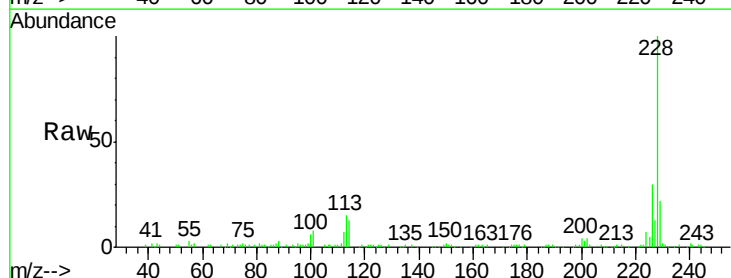
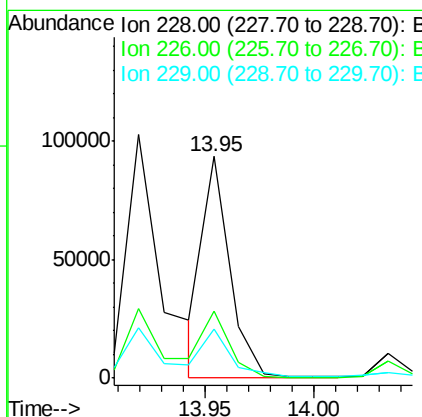
RT: 13.95 min Scan# 1082

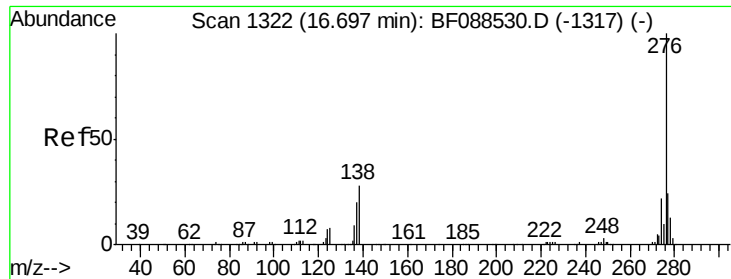
Delta R.T. -0.02 min

Lab File: BF088619.D

Acq: 2 Jul 2016 16:11

Tgt Ion:	228	Resp:	80368
Ion Ratio	Lower	Upper	
228	100		
226	30.0	25.4	38.2
229	22.3	16.3	24.5





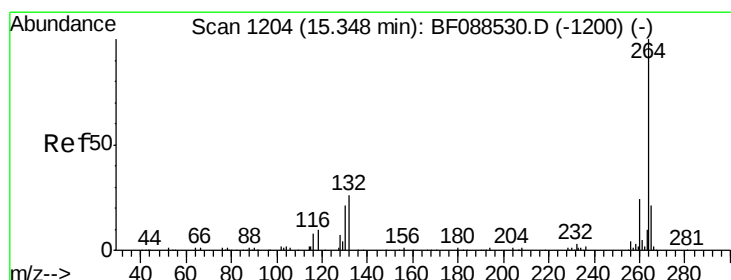
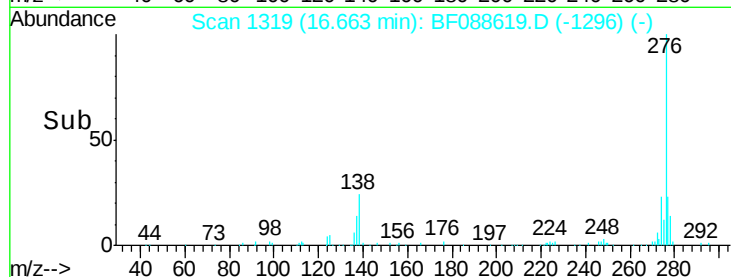
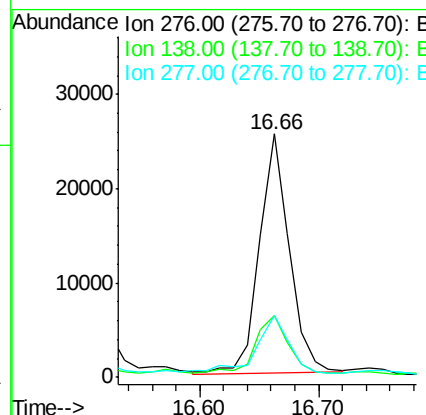
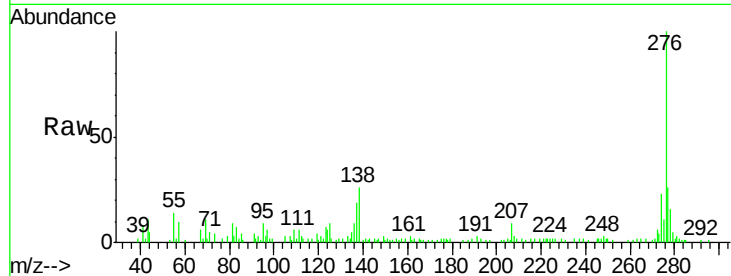
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.19 ng
 RT: 16.66 min Scan# 1319
 Delta R.T. -0.03 min
 Lab File: BF088619.D
 Acq: 2 Jul 2016 16:11

Instrument :
 BNA_F
 ClientSampleId :
 L8-B2(0-12)C

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.8	0.0	0.0#
277	30.9	0.0	0.0#

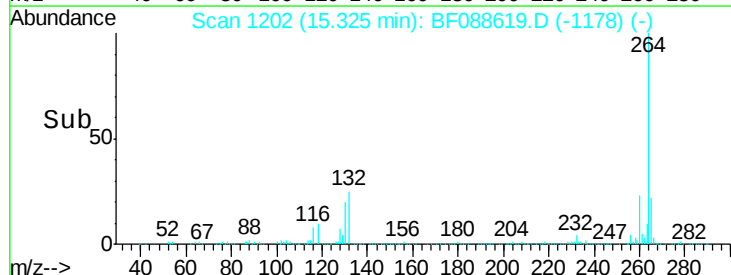
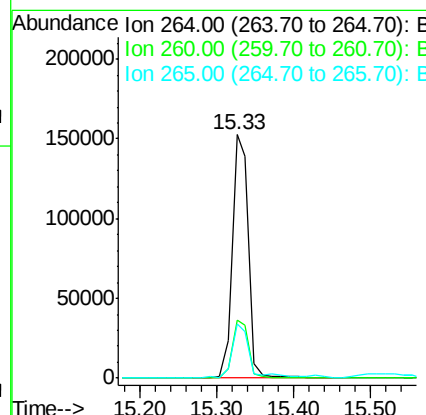
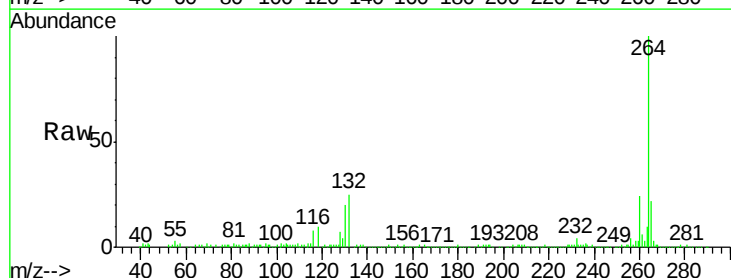
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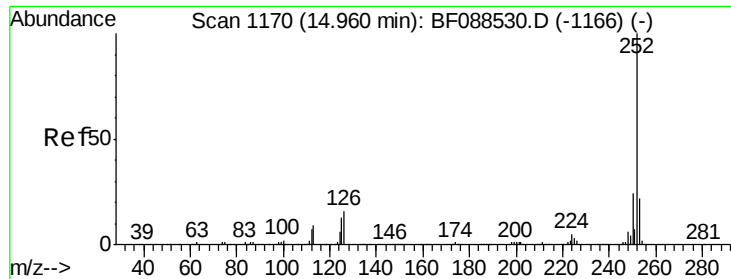
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.33 min Scan# 1202
 Delta R.T. -0.02 min
 Lab File: BF088619.D
 Acq: 2 Jul 2016 16:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.2	16.9	25.3





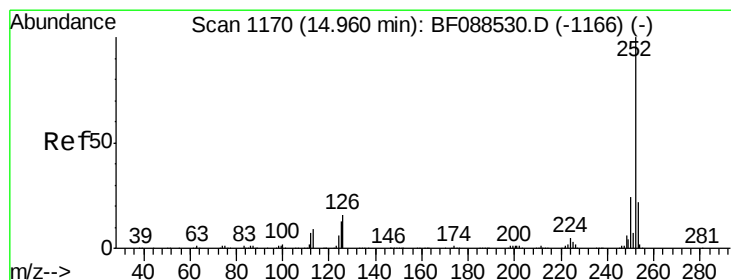
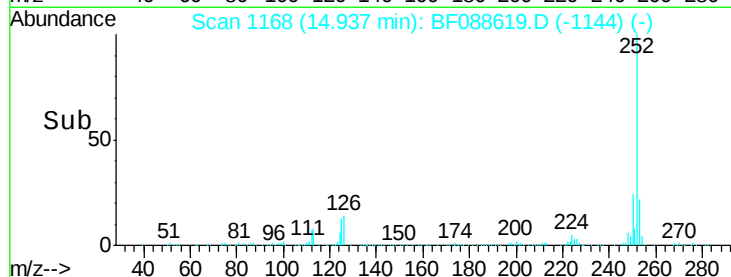
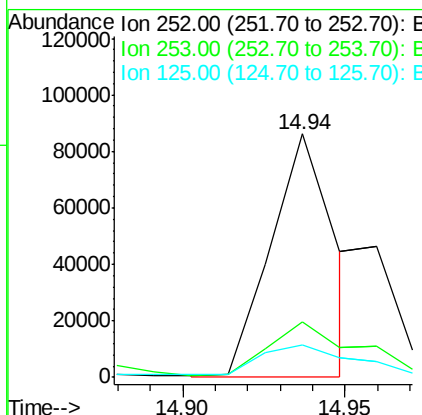
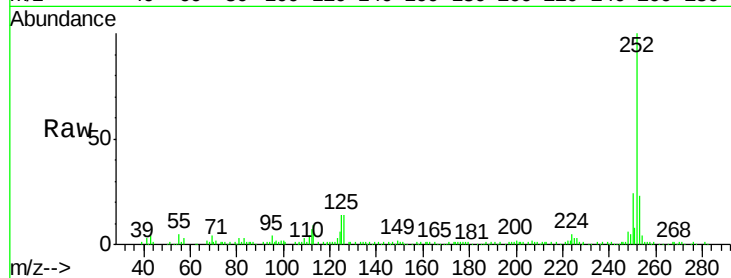
#87
Benzo(b)fluoranthene
Concen: 8.19 ng m
RT: 14.94 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BF088619.D
Acq: 2 Jul 2016 16:11

Instrument :
BNA_F
ClientSampleId :
L8-B2(0-12)C

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.2
125	13.5	7.1	10.7

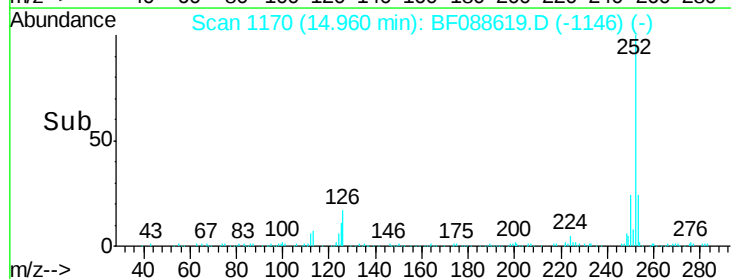
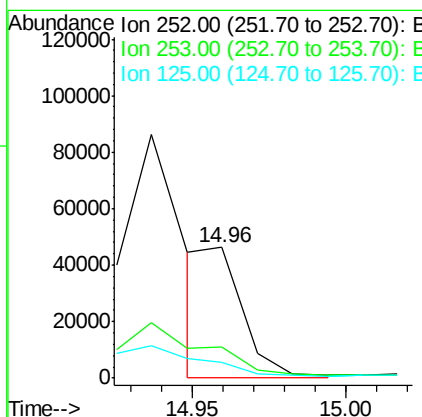
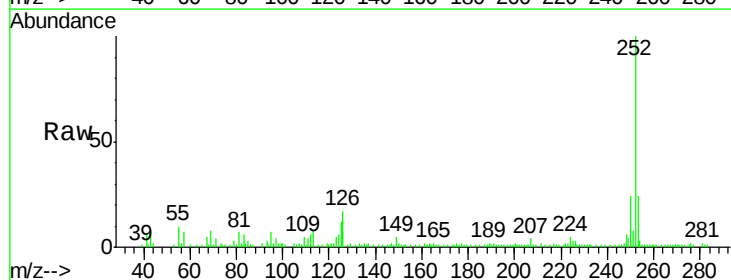
Manual Integrations

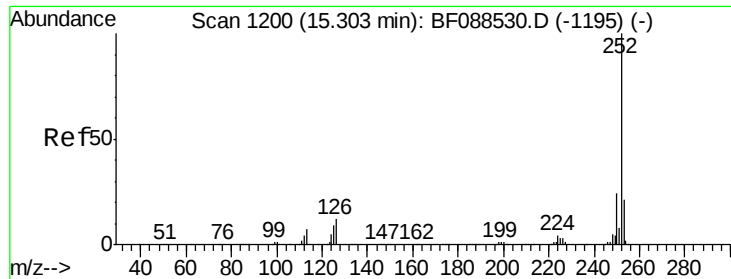
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#88
Benzo(k)fluoranthene
Concen: 3.16 ng m
RT: 14.96 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF088619.D
Acq: 2 Jul 2016 16:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	12.4	11.2	16.8





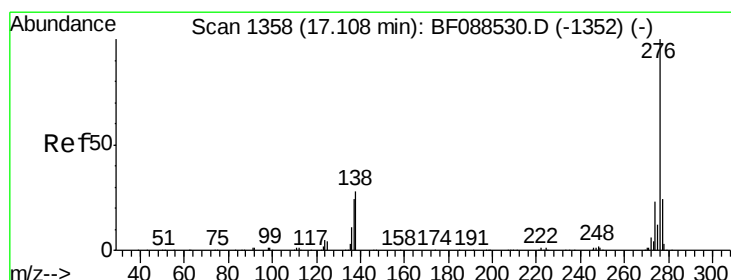
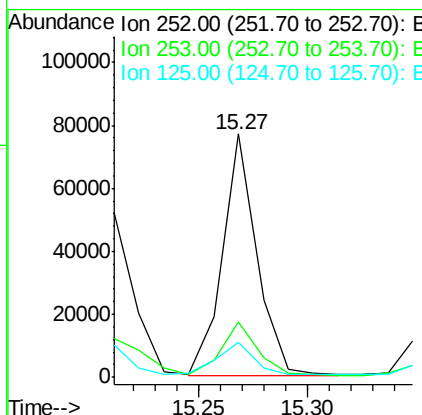
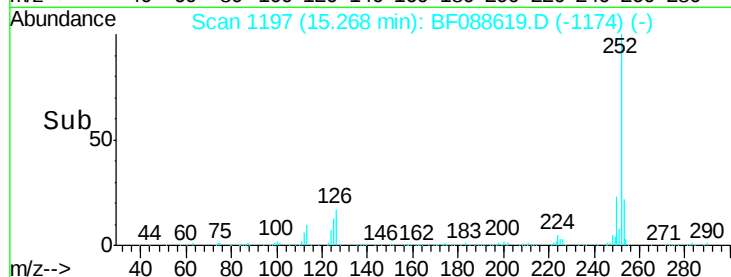
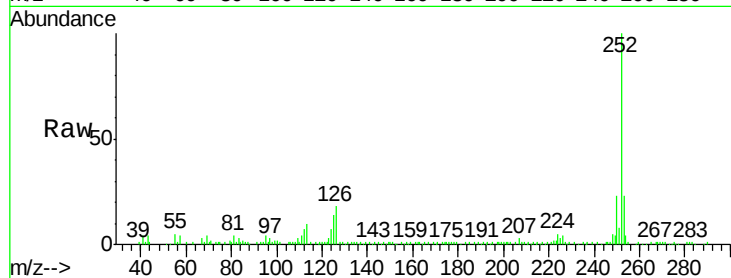
#89
Benzo(a)pyrene
Concen: 6.92 ng
RT: 15.27 min Scan# 1197
Delta R.T. -0.03 min
Lab File: BF088619.D
Acq: 2 Jul 2016 16:11

Instrument :
BNA_F
ClientSampleId :
L8-B2(0-12)C

Tgt Ion:	252	Resp:	84410
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.9	26.9
125	14.3	12.5	18.7

Manual Integrations

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#91
Benzo(g,h,i)perylene
Concen: 4.18 ng
RT: 17.06 min Scan# 1354
Delta R.T. -0.05 min
Lab File: BF088619.D
Acq: 2 Jul 2016 16:11

Tgt Ion:	276	Resp:	44054
Ion Ratio	Lower	Upper	
276	100		
277	24.8	18.9	28.3
138	27.2	21.4	32.2

