

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071116\
 Data File : BF088909.D
 Acq On : 11 Jul 2016 19:54
 Operator : UM/SJ
 Sample : H3915-11
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P6-B1-0-11-C

Manual Integrations

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 7/12/2016 7:35:51 PM

Quant Time: Jul 12 02:29:35 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	67050	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	270731	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	106983	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	178685	20.00	ng	0.00
75) Chrysene-d12	13.84	240	137205	20.00	ng	-0.01
86) Perylene-d12	15.21	264	124536	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	594978	132.99	ng	0.02
7) Phenol-d6	6.36	99	831499	143.84	ng	0.01
23) Nitrobenzene-d5	7.28	82	449998	87.10	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	148370	149.35	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	623943	92.12	ng	0.00
78) Terphenyl-d14	12.81	244	466889	75.79	ng	0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.47	163	157618	20.68	ng	99
70) Phenanthrene	11.24	178	56597	5.79	ng	97
74) Fluoranthene	12.42	202	118641	11.98	ng	99
77) Pyrene	12.65	202	99191	8.53	ng	97
80) Benzo(a)anthracene	13.83	228	63199	7.15	ng	94
82) Chrysene	13.86	228	41439m	4.74	ng	
85) Indeno(1,2,3-cd)pyrene	16.49	276	18925	2.81	ng	# 100
87) Benzo(b)fluoranthene	14.83	252	49655m	6.36	ng	
88) Benzo(k)fluoranthene	14.85	252	22959m	3.38	ng	
89) Benzo(a)pyrene	15.15	252	33482	5.06	ng	99
91) Benzo(g,h,i)perylene	16.88	276	15759	2.76	ng	96

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

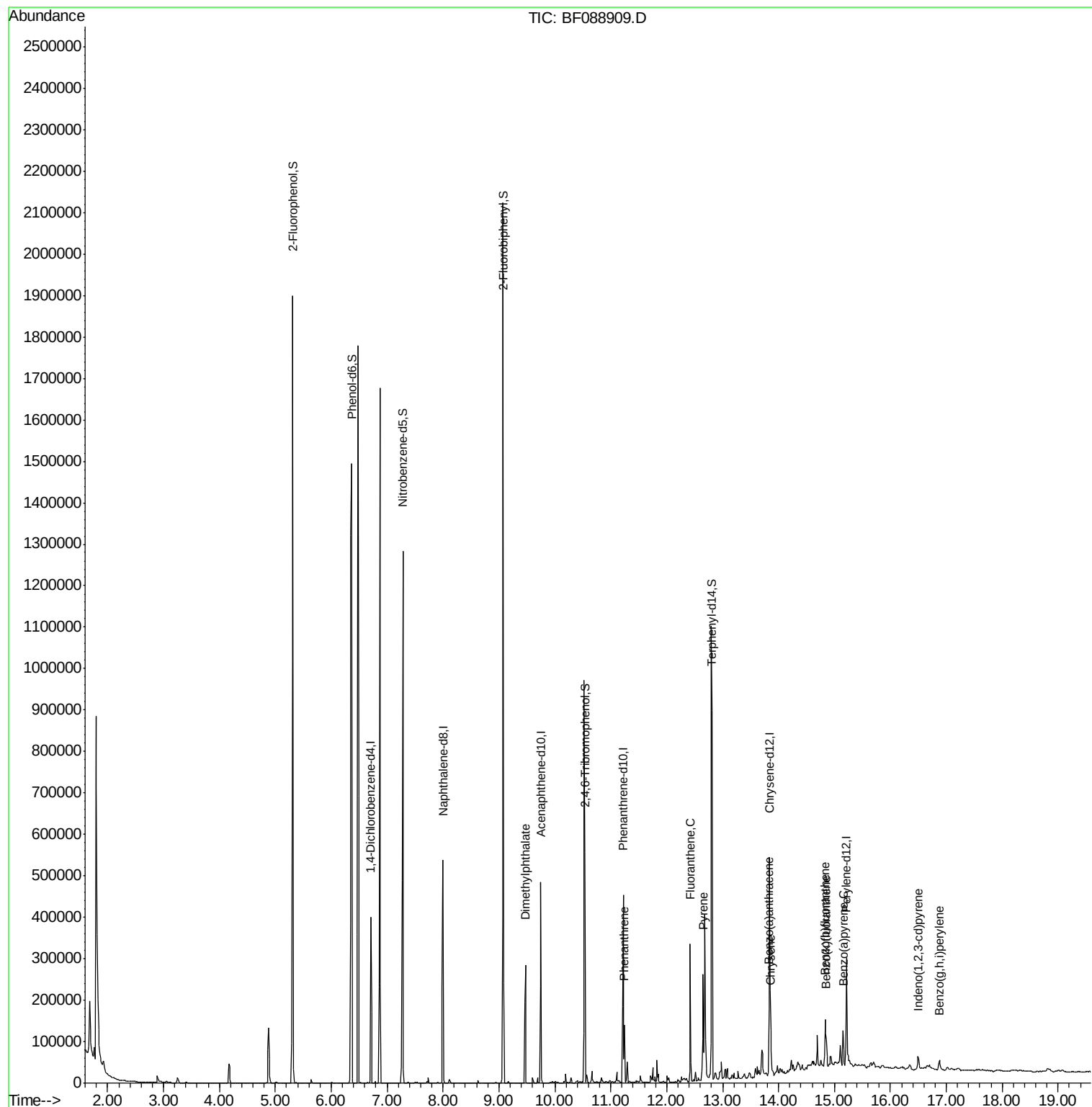
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071116\
Data File : BF088909.D
Acq On : 11 Jul 2016 19:54
Operator : UM/SJ
Sample : H3915-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

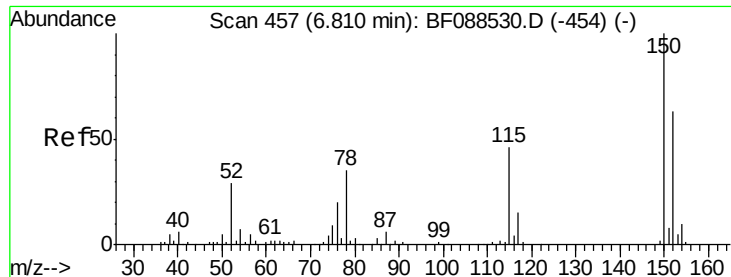
Instrument :
BNA_F
ClientSampleId :
P6-B1-0-11-C

Manual Integrations

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Quant Time: Jul 12 02:29:35 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 11 18:13:32 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.71 min Scan# 448

Delta R.T. -0.00 min

Lab File: BF088909.D

Acq: 11 Jul 2016 19:54

Instrument :

BNA_F

ClientSampleId :

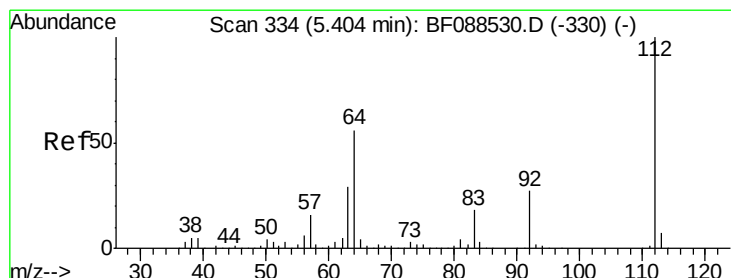
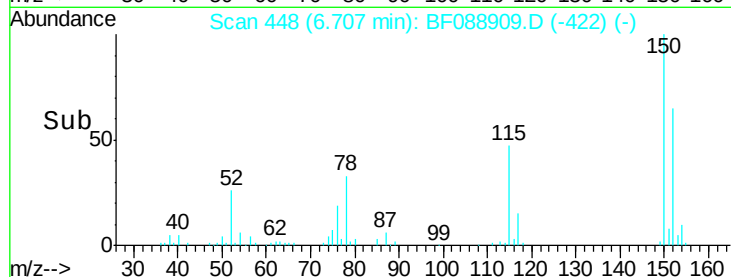
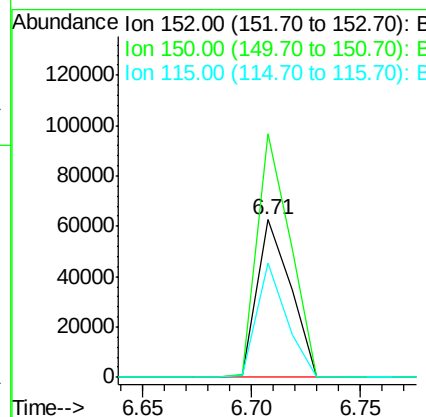
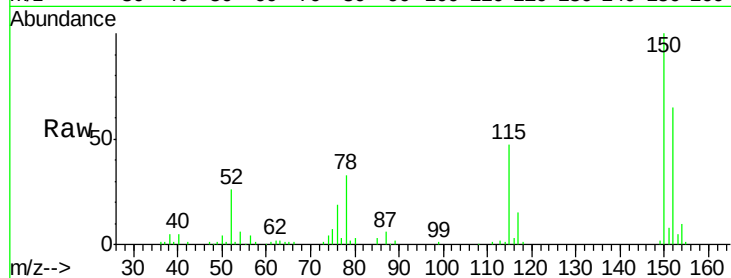
P6-B1-0-11-C

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.8	123.8	185.6
115	72.8	39.6	59.4

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#5

2-Fluorophenol

Concen: 132.99 ng

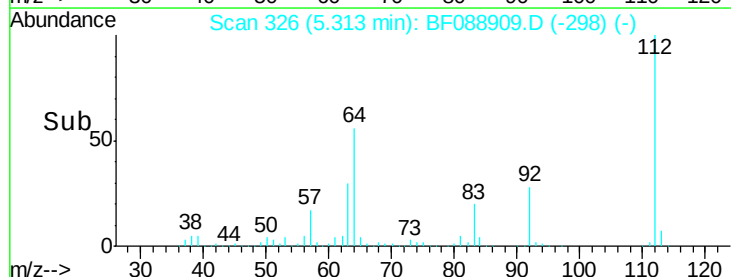
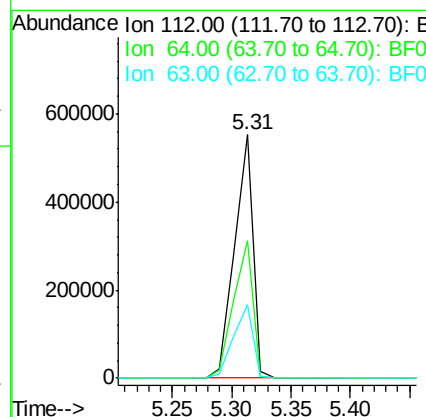
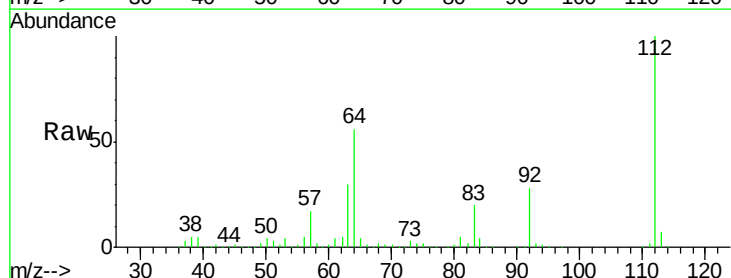
RT: 5.31 min Scan# 326

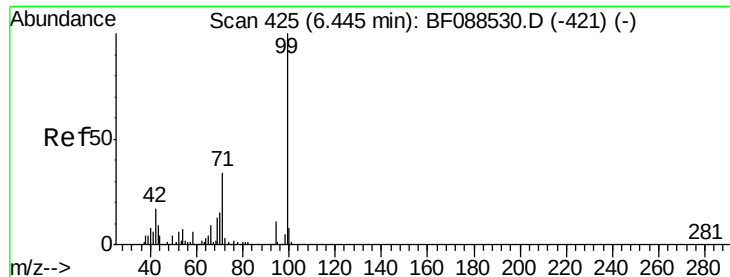
Delta R.T. 0.02 min

Lab File: BF088909.D

Acq: 11 Jul 2016 19:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	42.2	63.2
63	30.3	21.8	32.8





#7

Phenol-d6

Concen: 143.84 ng

RT: 6.36 min Scan# 418

Delta R.T. 0.01 min

Lab File: BF088909.D

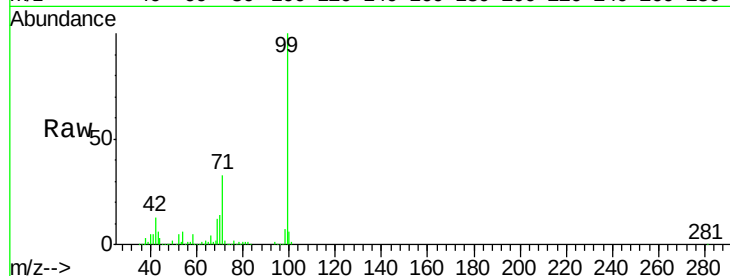
Acq: 11 Jul 2016 19:54

Instrument :

BNA_F

ClientSampleId :

P6-B1-0-11-C



Tgt Ion: 99 Resp: 831499

Ion Ratio Lower Upper

99 100

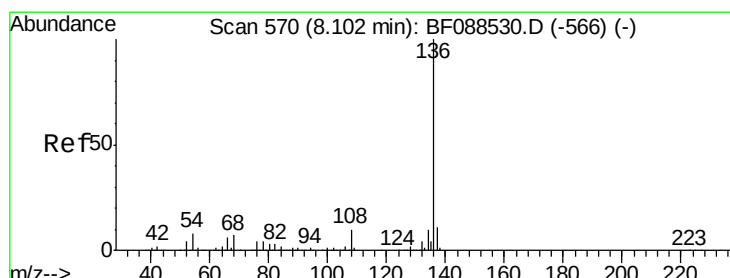
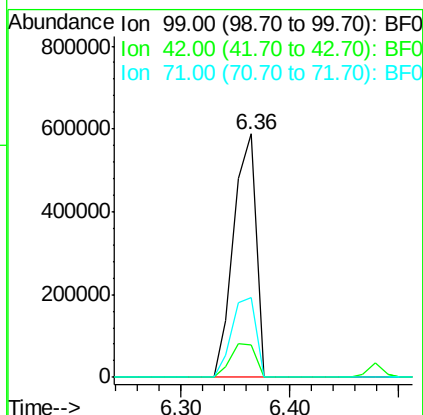
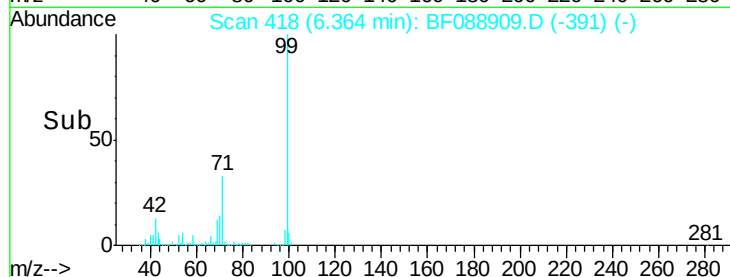
42 13.2 12.2 18.2

71 33.0 23.4 35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.00 min Scan# 561

Delta R.T. -0.00 min

Lab File: BF088909.D

Acq: 11 Jul 2016 19:54

Tgt Ion: 136 Resp: 270731

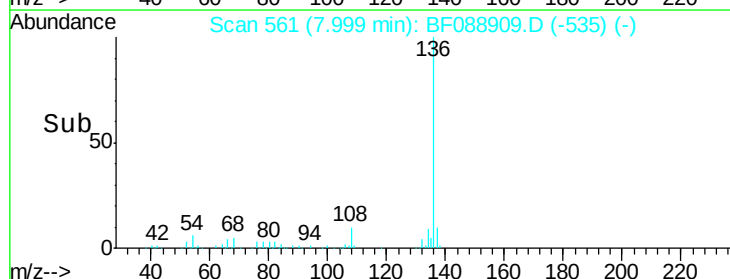
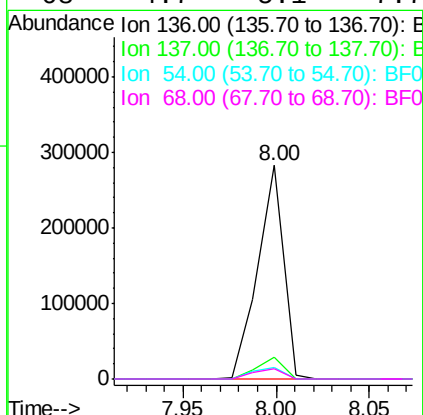
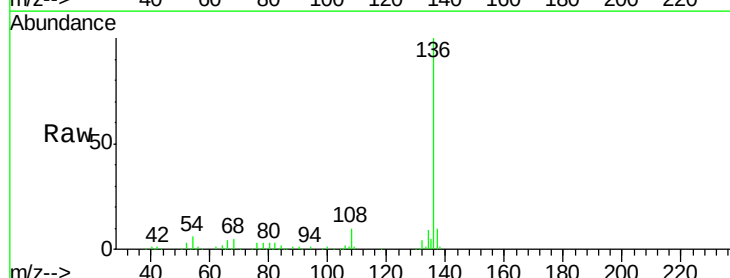
Ion Ratio Lower Upper

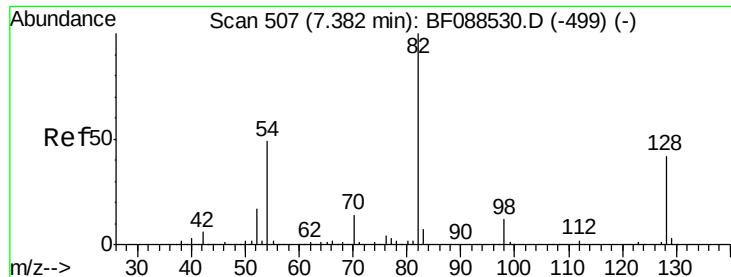
136 100

137 10.5 9.1 13.7

54 5.6 6.6 10.0#

68 4.7 5.1 7.7#





#23

Nitrobenzene-d5

Concen: 87.10 ng

RT: 7.28 min Scan# 498

Delta R.T. -0.00 min

Lab File: BF088909.D

Acq: 11 Jul 2016 19:54

Instrument :

BNA_F

ClientSampleId :

P6-B1-0-11-C

Tgt Ion: 82 Resp: 449998

Ion Ratio Lower Upper

82 100

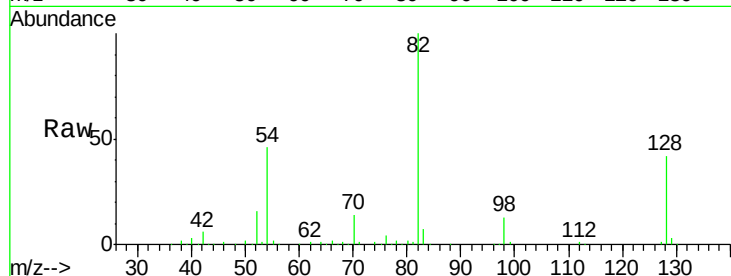
128 41.9 35.9 53.9

54 46.4 40.9 61.3

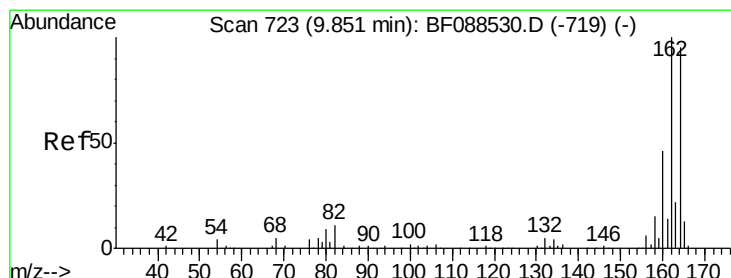
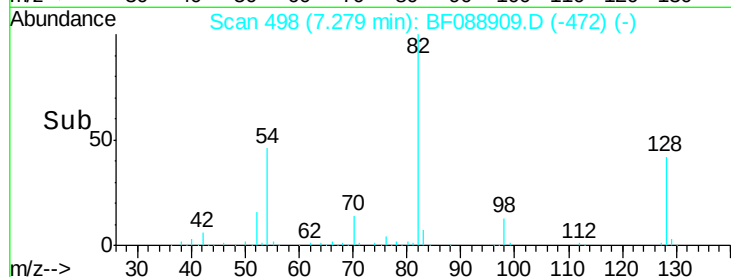
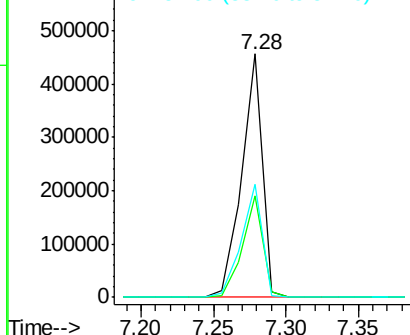
Manual Integrations

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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.75 min Scan# 714

Delta R.T. -0.00 min

Lab File: BF088909.D

Acq: 11 Jul 2016 19:54

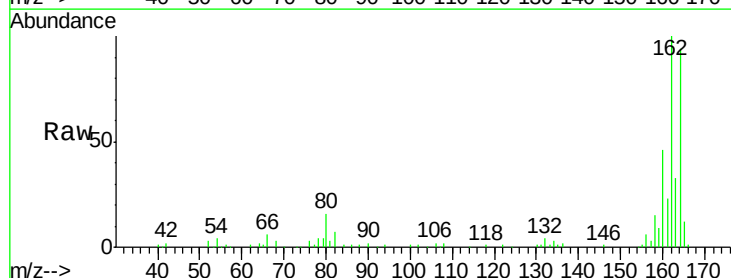
Tgt Ion: 164 Resp: 106983

Ion Ratio Lower Upper

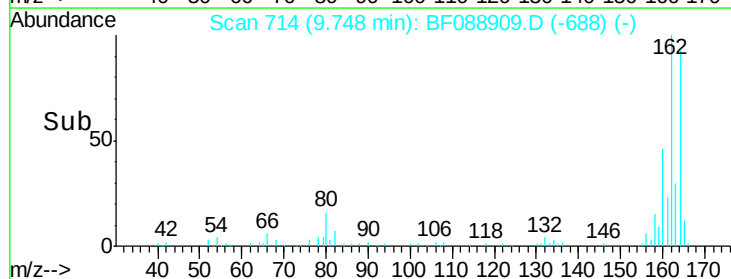
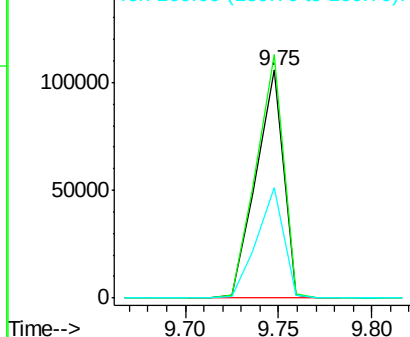
164 100

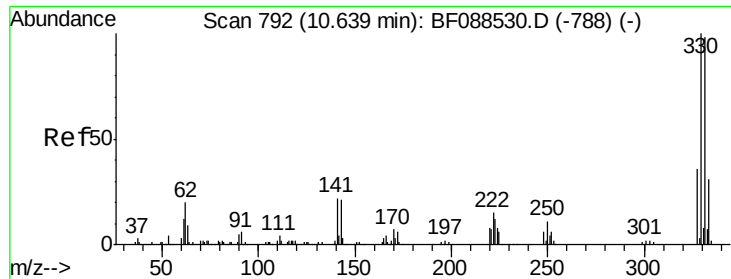
162 106.8 85.4 128.2

160 48.6 39.5 59.3



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





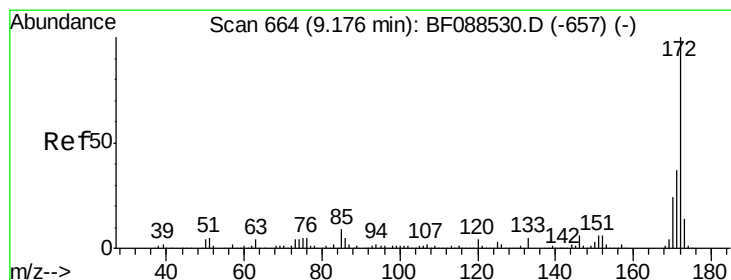
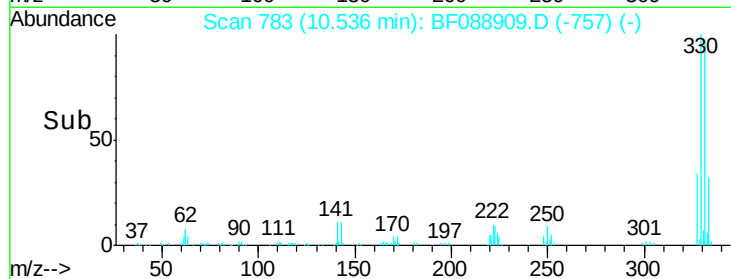
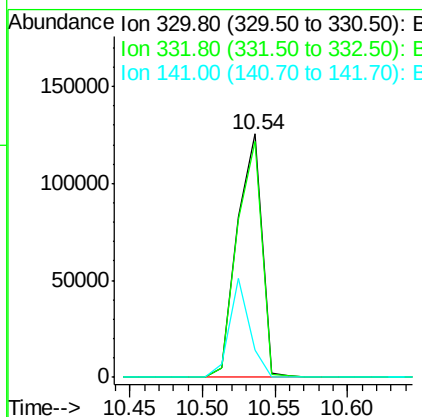
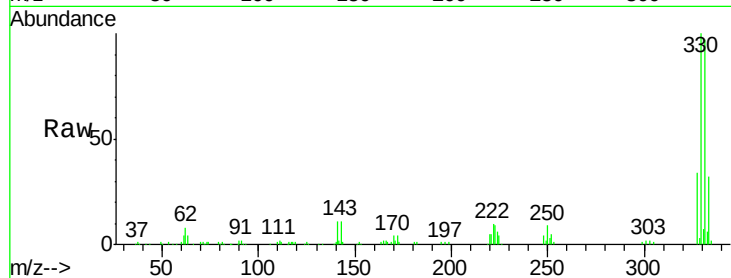
#41
 2,4,6-Tribromophenol
 Concen: 149.35 ng
 RT: 10.54 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: BF088909.D
 Acq: 11 Jul 2016 19:54

Instrument :
 BNA_F
 ClientSampleId :
 P6-B1-0-11-C

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	148370		
332	97.4	0.0	0.0	0.0
141	33.5	0.0	0.0	0.0

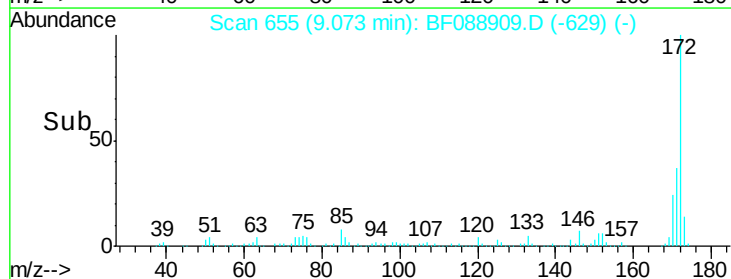
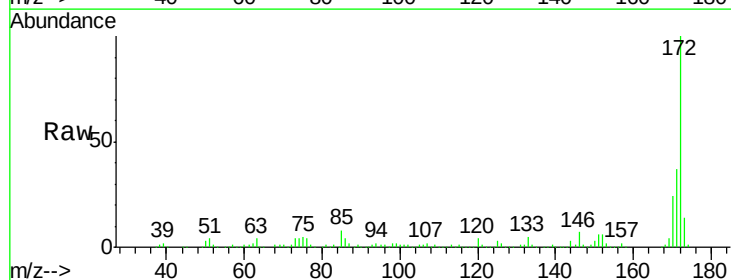
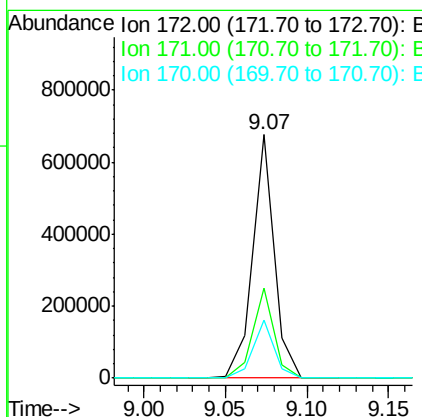
Manual Integrations

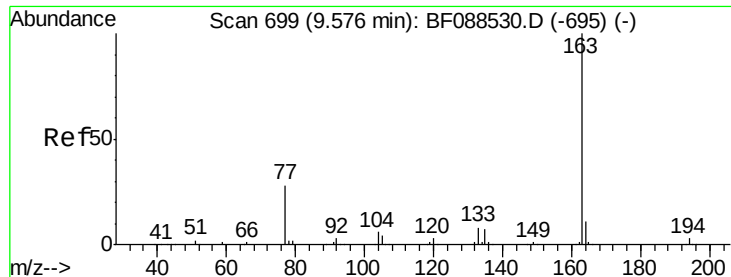
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#44
 2-Fluorobiphenyl
 Concen: 92.12 ng
 RT: 9.07 min Scan# 655
 Delta R.T. -0.00 min
 Lab File: BF088909.D
 Acq: 11 Jul 2016 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	623943		
171	36.8	28.6	43.0	
170	24.1	19.2	28.8	





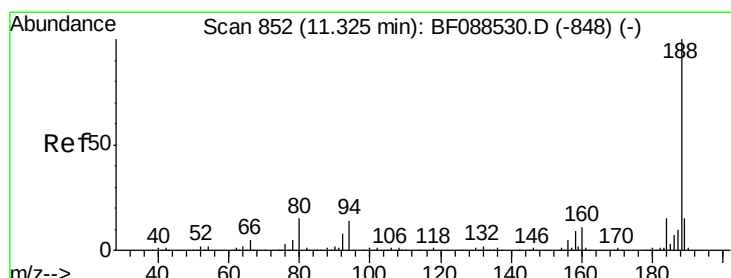
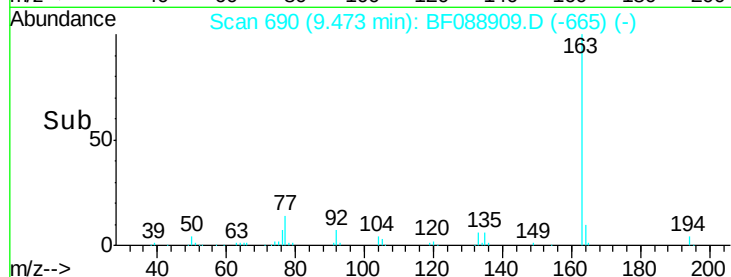
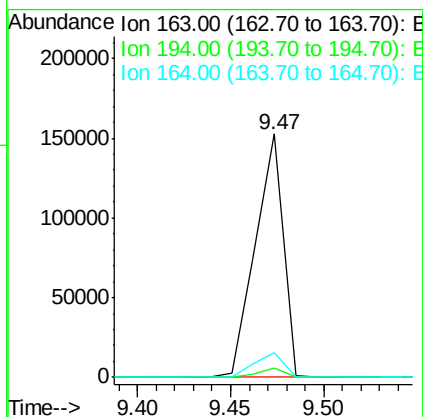
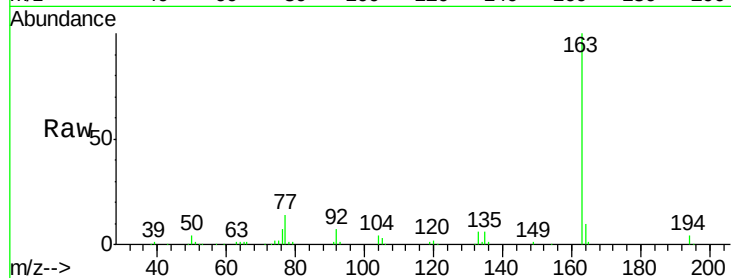
#49
Dimethylphthalate
Concen: 20.68 ng
RT: 9.47 min Scan# 690
Delta R.T. -0.01 min
Lab File: BF088909.D
Acq: 11 Jul 2016 19:54

Instrument :
BNA_F
ClientSampleId :
P6-B1-0-11-C

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.8	4.2
164	10.0	8.3	12.5

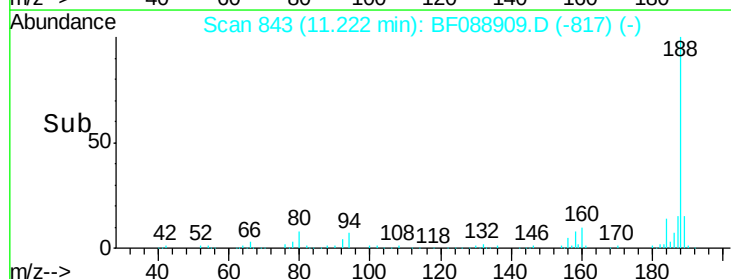
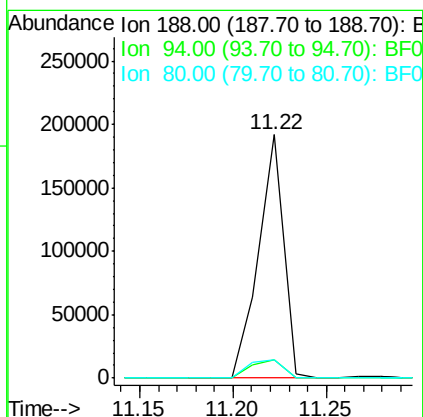
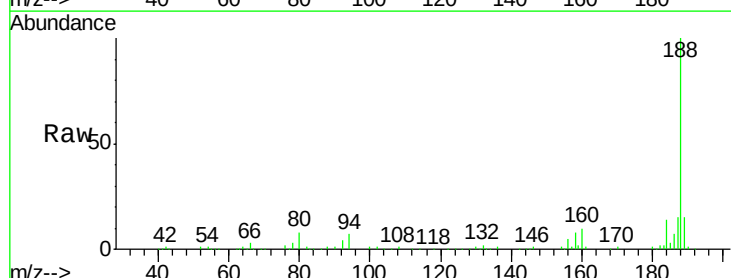
Manual Integrations

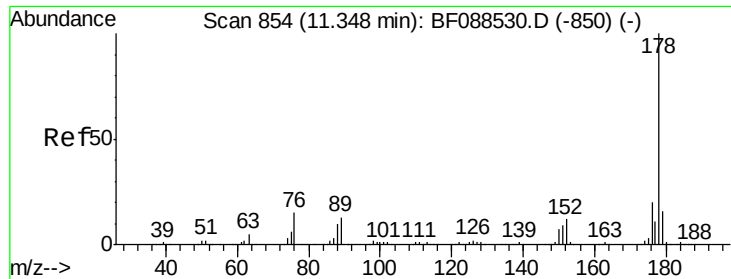
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 843
Delta R.T. -0.00 min
Lab File: BF088909.D
Acq: 11 Jul 2016 19:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.4	9.0	13.6#
80	7.7	10.0	15.0#





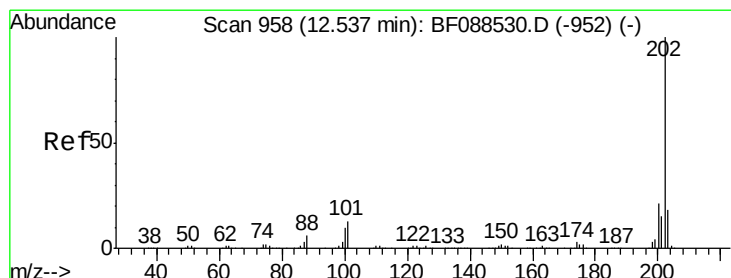
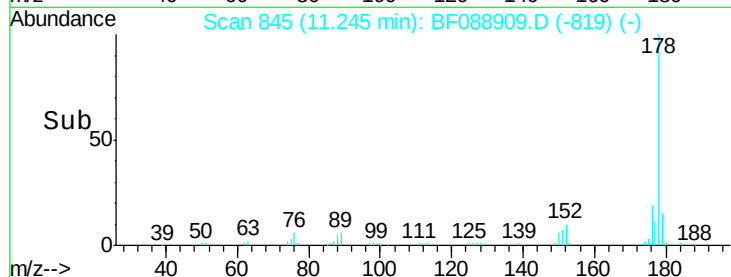
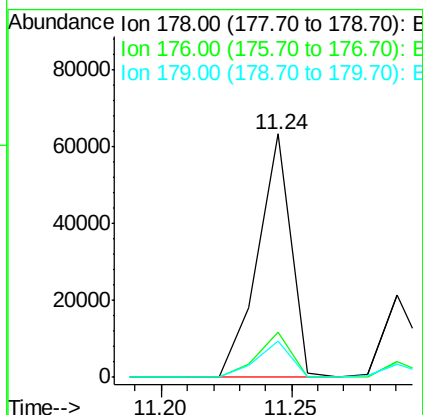
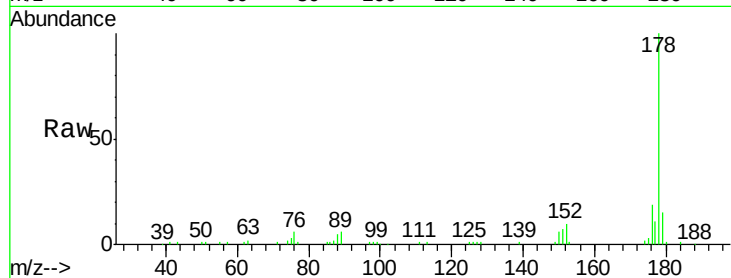
#70
Phenanthrene
Concen: 5.79 ng
RT: 11.24 min Scan# 845
Delta R.T. -0.00 min
Lab File: BF088909.D
Acq: 11 Jul 2016 19:54

Instrument :
BNA_F
ClientSampleId :
P6-B1-0-11-C

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.6
179	15.0	13.0	19.4

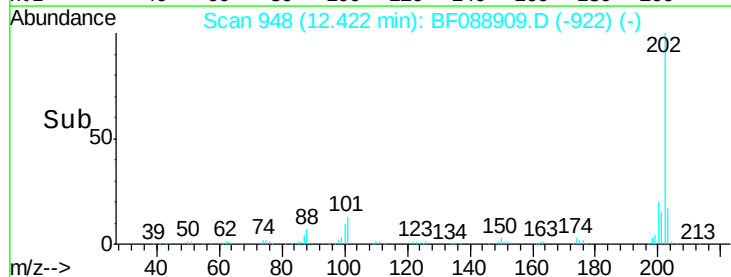
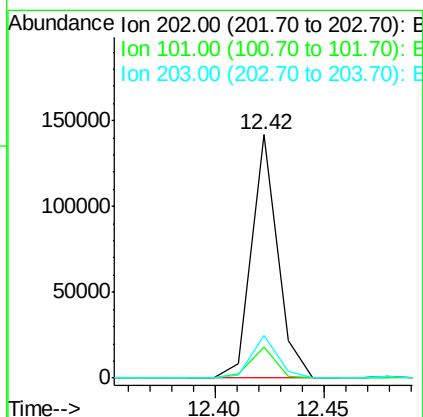
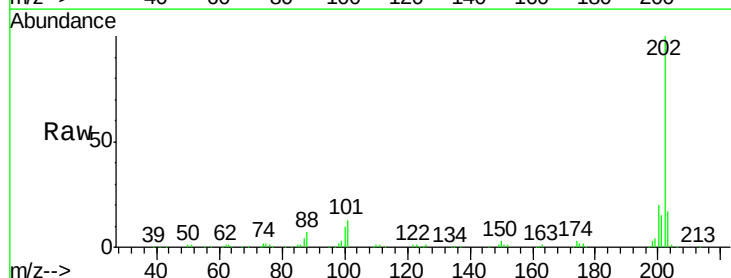
Manual Integrations

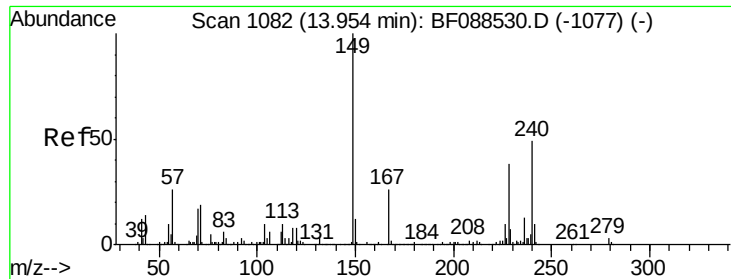
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#74
Fluoranthene
Concen: 11.98 ng
RT: 12.42 min Scan# 948
Delta R.T. -0.00 min
Lab File: BF088909.D
Acq: 11 Jul 2016 19:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.1
203	17.3	0.0	38.1





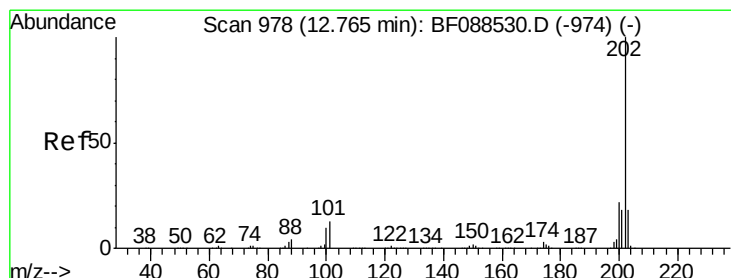
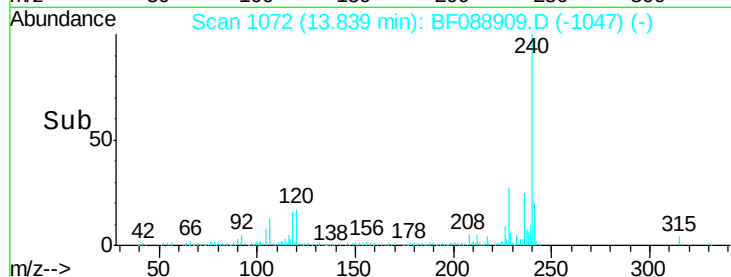
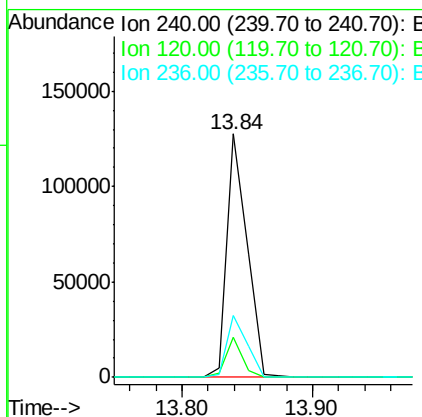
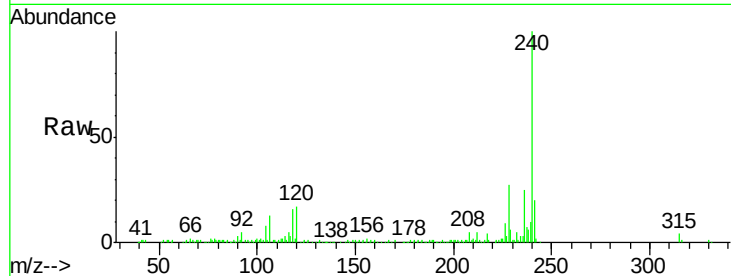
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.84 min Scan# 1072
Delta R.T. -0.01 min
Lab File: BF088909.D
Acq: 11 Jul 2016 19:54

Instrument :
BNA_F
ClientSampleId :
P6-B1-0-11-C

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.7	6.8	10.2
236	25.4	20.2	30.2

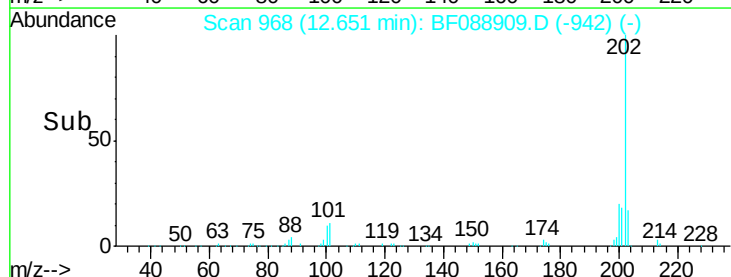
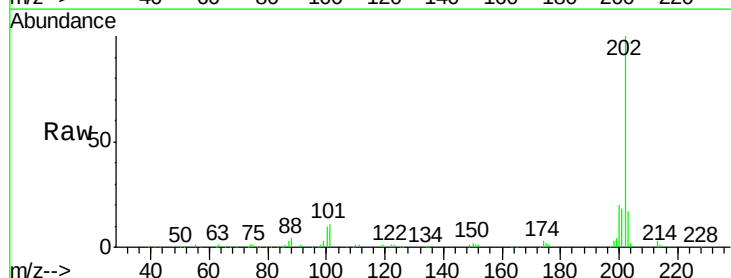
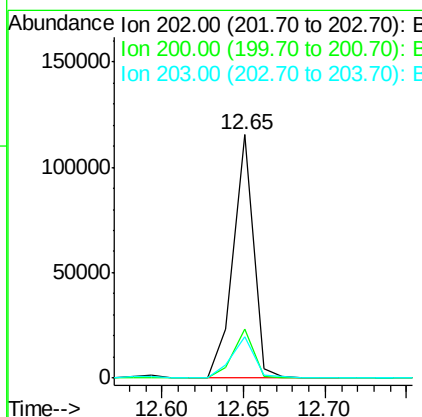
Manual Integrations

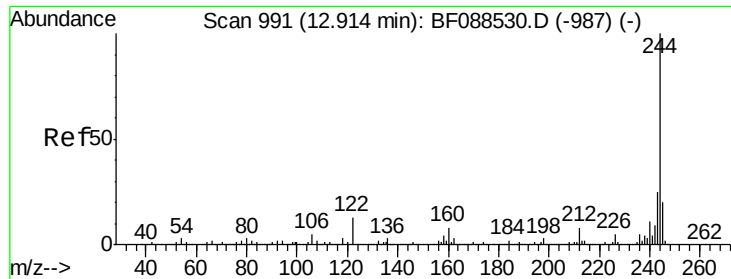
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#77
Pyrene
Concen: 8.53 ng
RT: 12.65 min Scan# 968
Delta R.T. -0.00 min
Lab File: BF088909.D
Acq: 11 Jul 2016 19:54

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.4	26.2
203	17.0	14.5	21.7





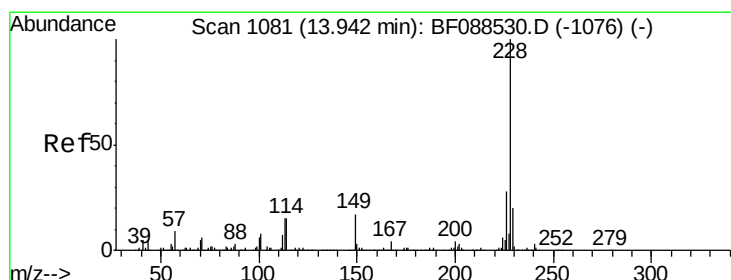
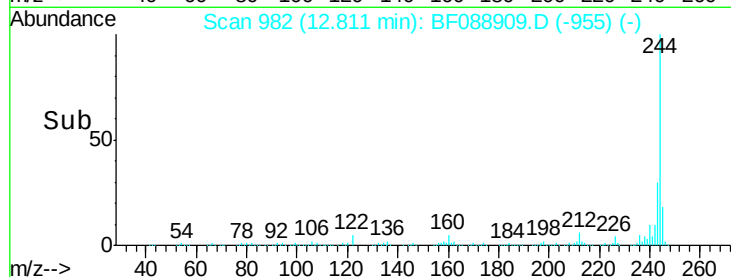
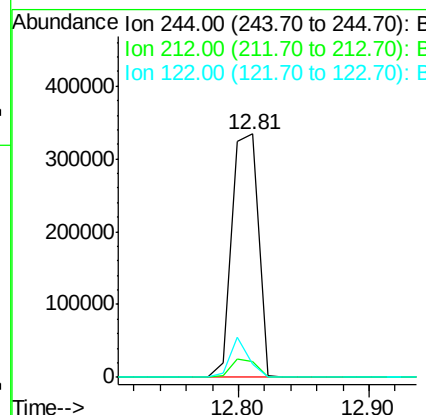
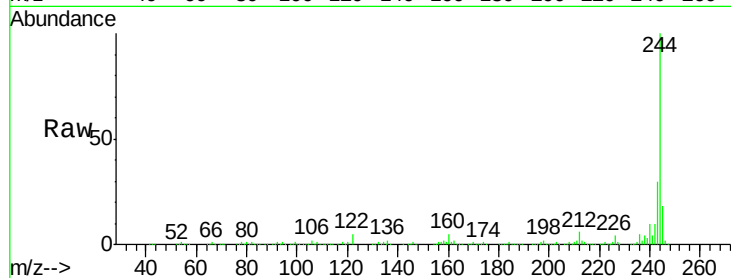
#78
 Terphenyl-d14
 Concen: 75.79 ng
 RT: 12.81 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: BF088909.D
 Acq: 11 Jul 2016 19:54

Instrument :
 BNA_F
 ClientSampleId :
 P6-B1-0-11-C

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.0	9.0
122	5.4	11.2	16.8#

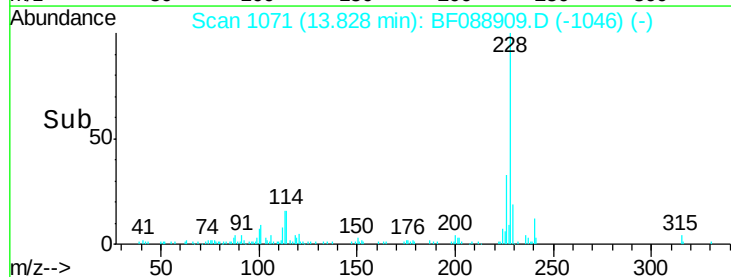
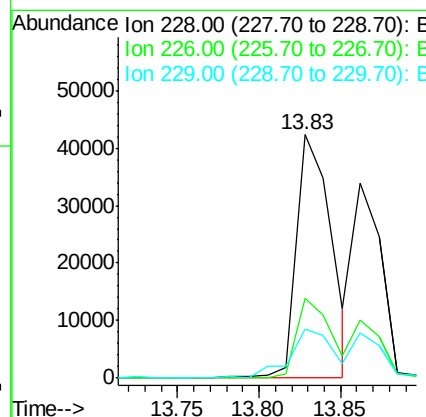
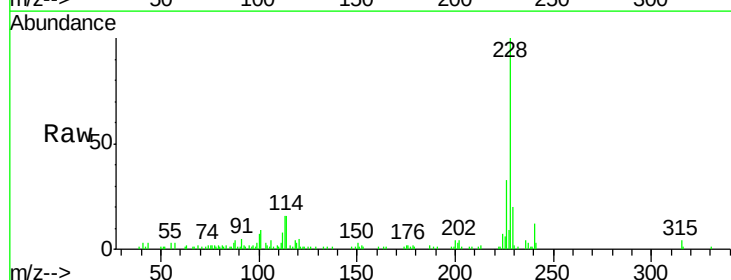
Manual Integrations

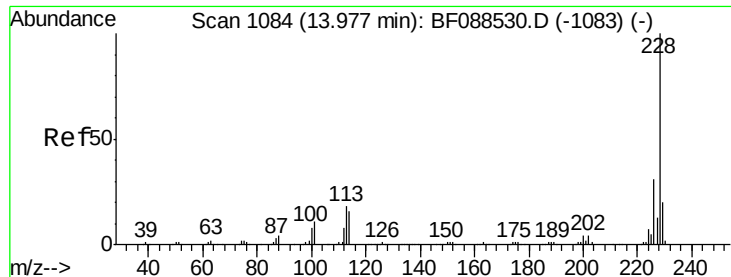
sohil
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#80
 Benzo(a)anthracene
 Concen: 7.15 ng
 RT: 13.83 min Scan# 1071
 Delta R.T. -0.01 min
 Lab File: BF088909.D
 Acq: 11 Jul 2016 19:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	22.3	33.5
229	20.1	16.0	24.0





#82

Chrysene

Concen: 4.74 ng m

RT: 13.86 min Scan# 1074

Delta R.T. -0.01 min

Lab File: BF088909.D

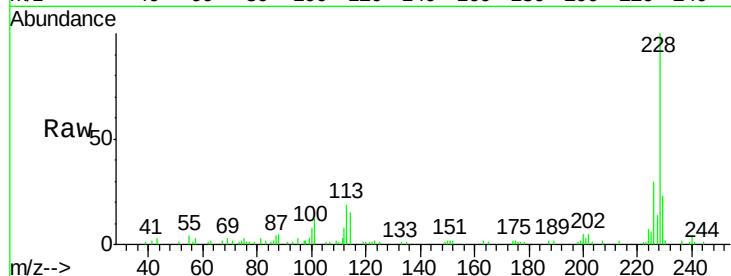
Acq: 11 Jul 2016 19:54

Instrument :

BNA_F

ClientSampleId :

P6-B1-0-11-C

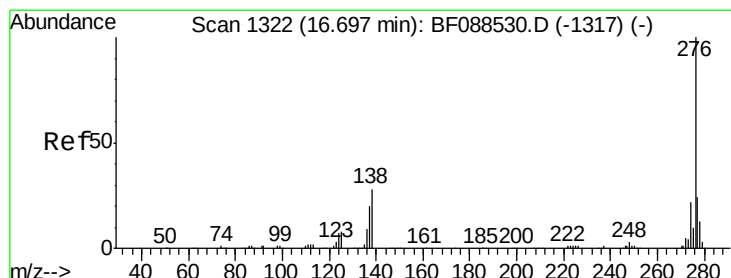
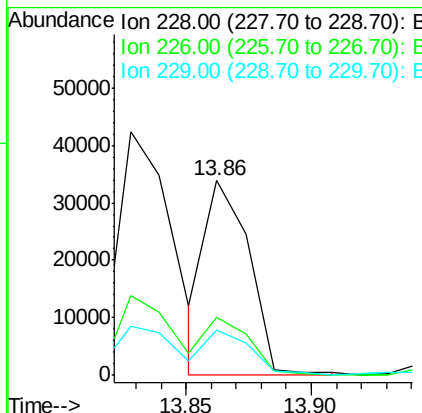
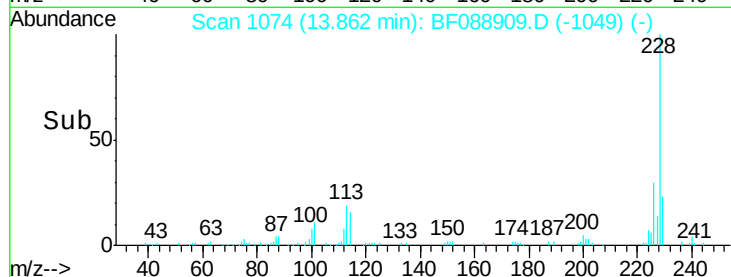


Tgt Ion:	228	Resp:	41439
Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.4	38.2
229	23.2	16.3	24.5

Manual Integrations

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.81 ng

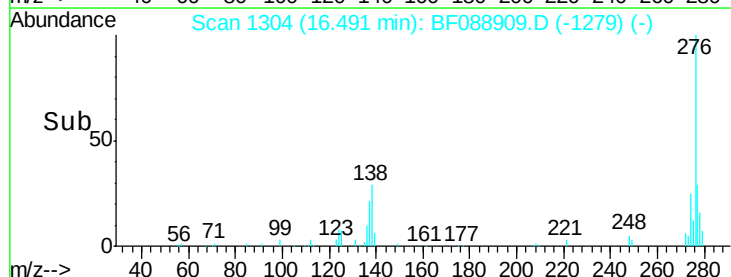
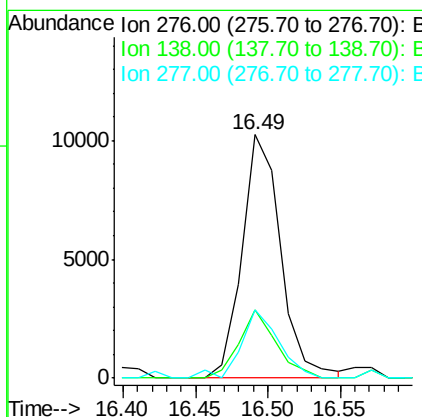
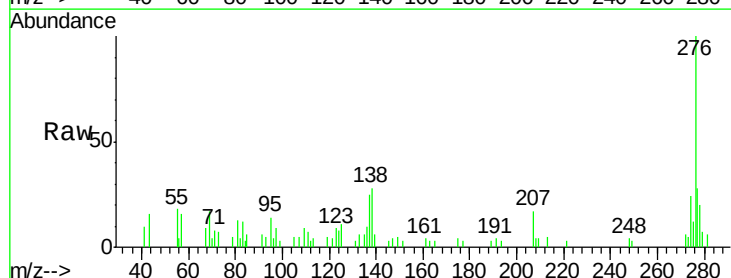
RT: 16.49 min Scan# 1304

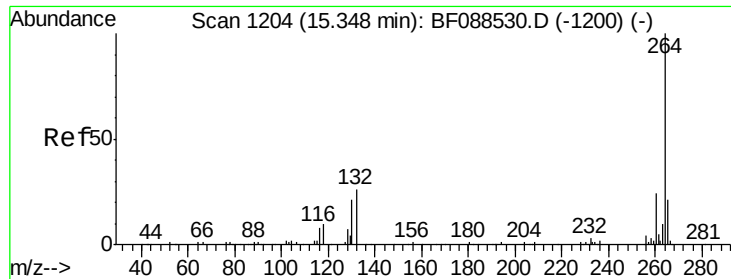
Delta R.T. -0.01 min

Lab File: BF088909.D

Acq: 11 Jul 2016 19:54

Tgt Ion:	276	Resp:	18925
Ion	Ratio	Lower	Upper
276	100		
138	26.8	0.0	0.0#
277	27.2	0.0	0.0#





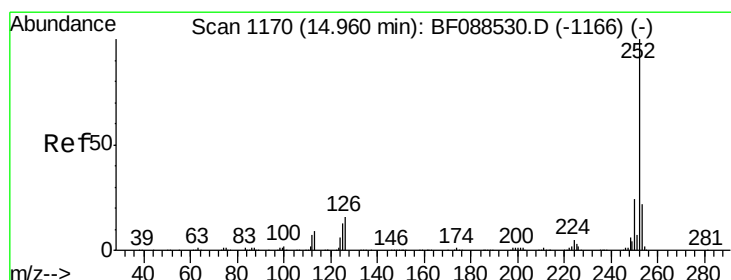
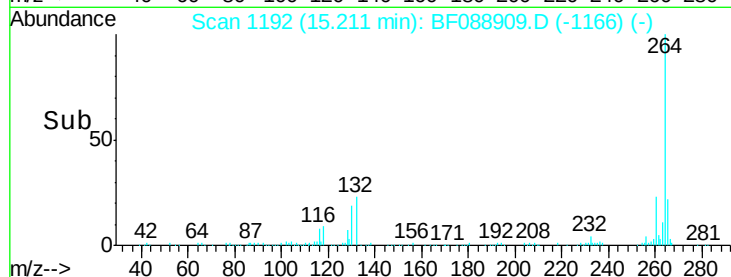
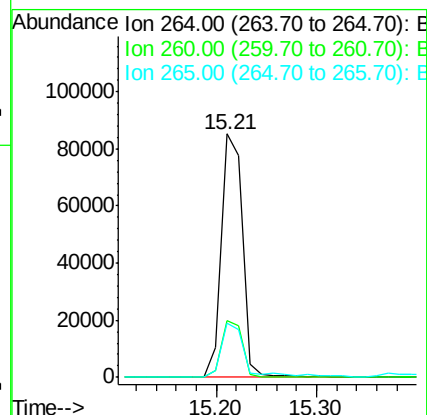
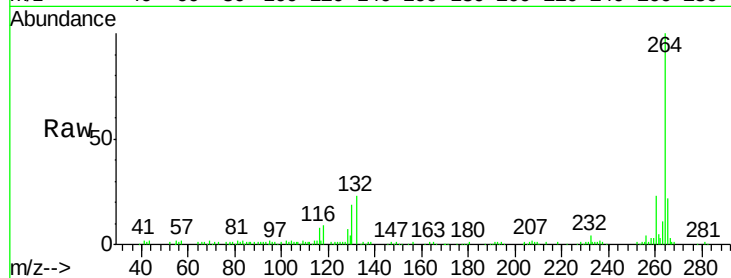
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.21 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BF088909.D
Acq: 11 Jul 2016 19:54

Instrument :
BNA_F
ClientSampleId :
P6-B1-0-11-C

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	22.5	16.9	25.3

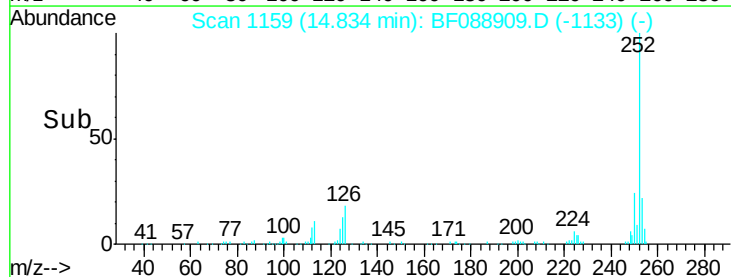
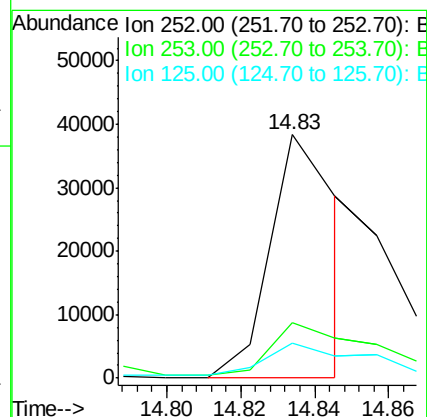
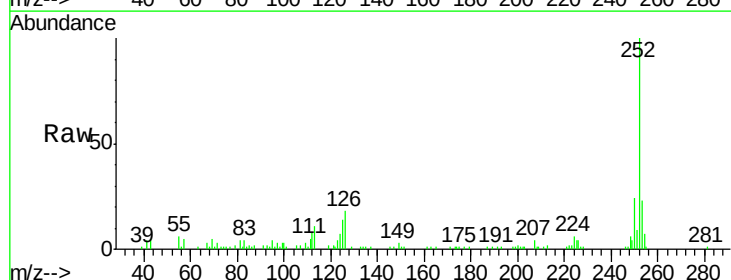
Manual Integrations

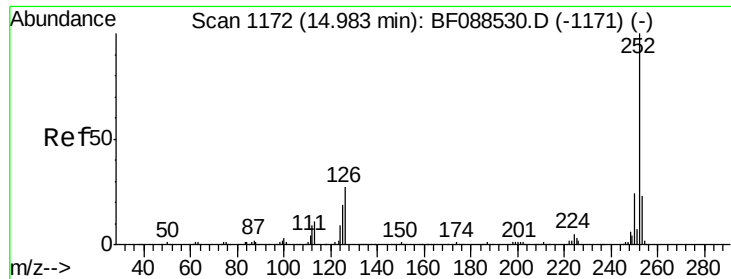
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#87
Benzo(b)fluoranthene
Concen: 6.36 ng m
RT: 14.83 min Scan# 1159
Delta R.T. -0.00 min
Lab File: BF088909.D
Acq: 11 Jul 2016 19:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	14.5	7.1	10.7#





#88

Benzo(k)fluoranthene

Concen: 3.38 ng m

RT: 14.85 min Scan# 1160

Delta R.T. -0.02 min

Lab File: BF088909.D

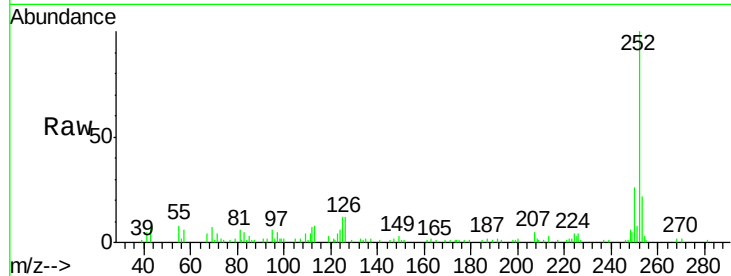
Acq: 11 Jul 2016 19:54

Instrument :

BNA_F

ClientSampled :

P6-B1-0-11-C

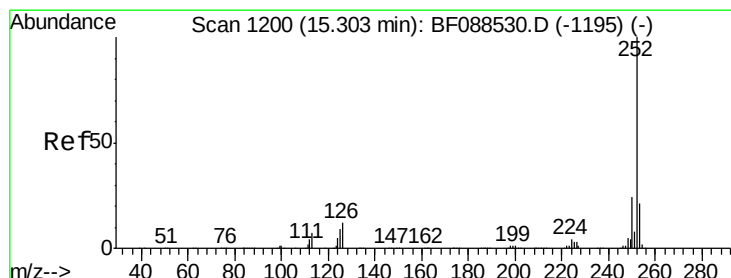
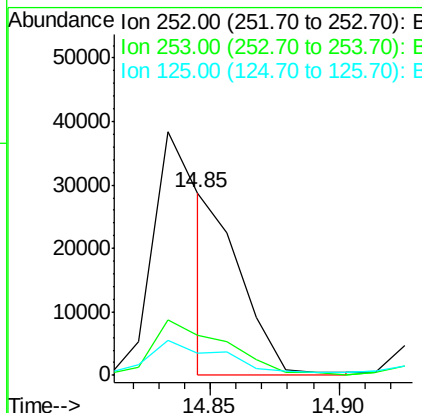
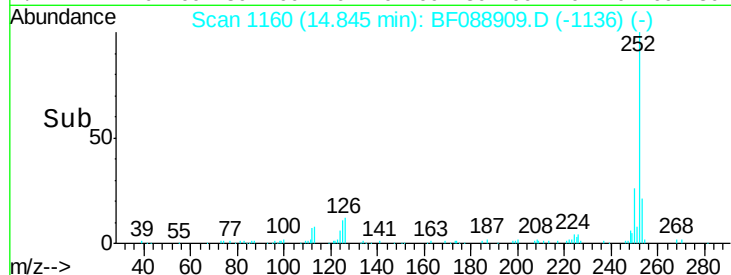


Tgt Ion:	252	Resp:	22959
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.0	27.0
125	12.5	11.2	16.8

Manual Integrations

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#89

Benzo(a)pyrene

Concen: 5.06 ng

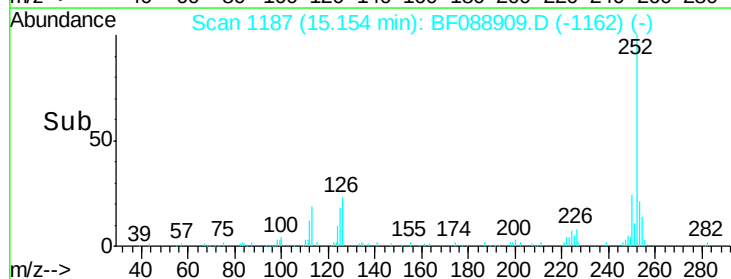
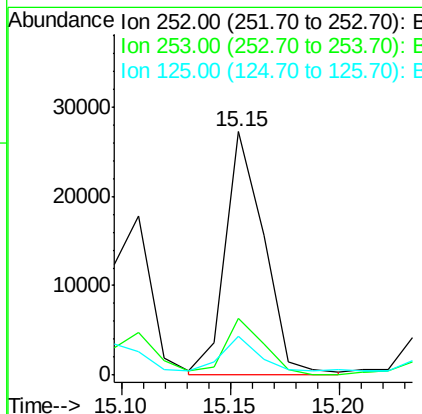
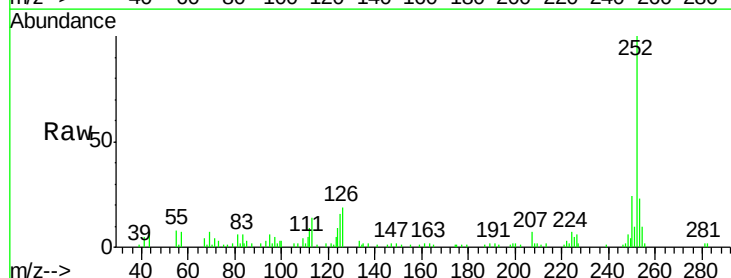
RT: 15.15 min Scan# 1187

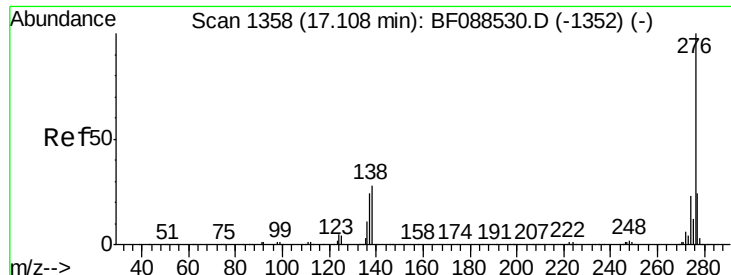
Delta R.T. -0.01 min

Lab File: BF088909.D

Acq: 11 Jul 2016 19:54

Tgt Ion:	252	Resp:	33482
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.9	26.9
125	15.7	12.5	18.7





#91
 Benzo(g,h,i)perylene
 Concen: 2.76 ng
 RT: 16.88 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: BF088909.D
 Acq: 11 Jul 2016 19:54

Instrument :
 BNA_F
 ClientSampleId :
 P6-B1-0-11-C

Tgt Ion:	276	Resp:	15759
Ion Ratio	Lower	Upper	
276	100		
277	24.1	18.9	28.3
138	23.4	21.4	32.2

Manual Integrations

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