

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103788.D
 Acq On : 20 Mar 2018 6:50
 Operator : JU/SJ
 Sample : J1973-02 5X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Manual Integrations
 APPROVED

Sohil
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Quant Time: Mar 20 08:06:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	141691	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	562459	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	253213	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	411128	20.00	ng	0.00
75) Chrysene-d12	14.16	240	292875	20.00	ng	0.00
86) Perylene-d12	15.69	264	260055	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	187808	20.16	ng	0.00
7) Phenol-d6	6.58	99	256187	22.48	ng	0.00
23) Nitrobenzene-d5	7.53	82	143600	17.80	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	27678	12.71	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	192570	12.13	ng	0.00
78) Terphenyl-d14	13.09	244	149096	11.82	ng	0.00
Target Compounds						
70) Phenanthrene	11.53	178	103834	4.617	ng	98
71) Anthracene	11.58	178	54178	2.372	ng	99
74) Fluoranthene	12.72	202	136687	5.899	ng	98
77) Pyrene	12.95	202	149942	6.971	ng	98
80) Benzo(a)anthracene	14.14	228	79552m	4.291	ng	
82) Chrysene	14.18	228	85074m	4.814	ng	
85) Indeno(1,2,3-cd)pyrene	17.26	276	31049	2.012	ng	93
87) Benzo(b)fluoranthene	15.23	252	73122m	4.451	ng	
89) Benzo(a)pyrene	15.62	252	66209	4.443	ng	# 94
91) Benzo(g,h,i)perylene	17.73	276	30497	2.429	ng	96

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

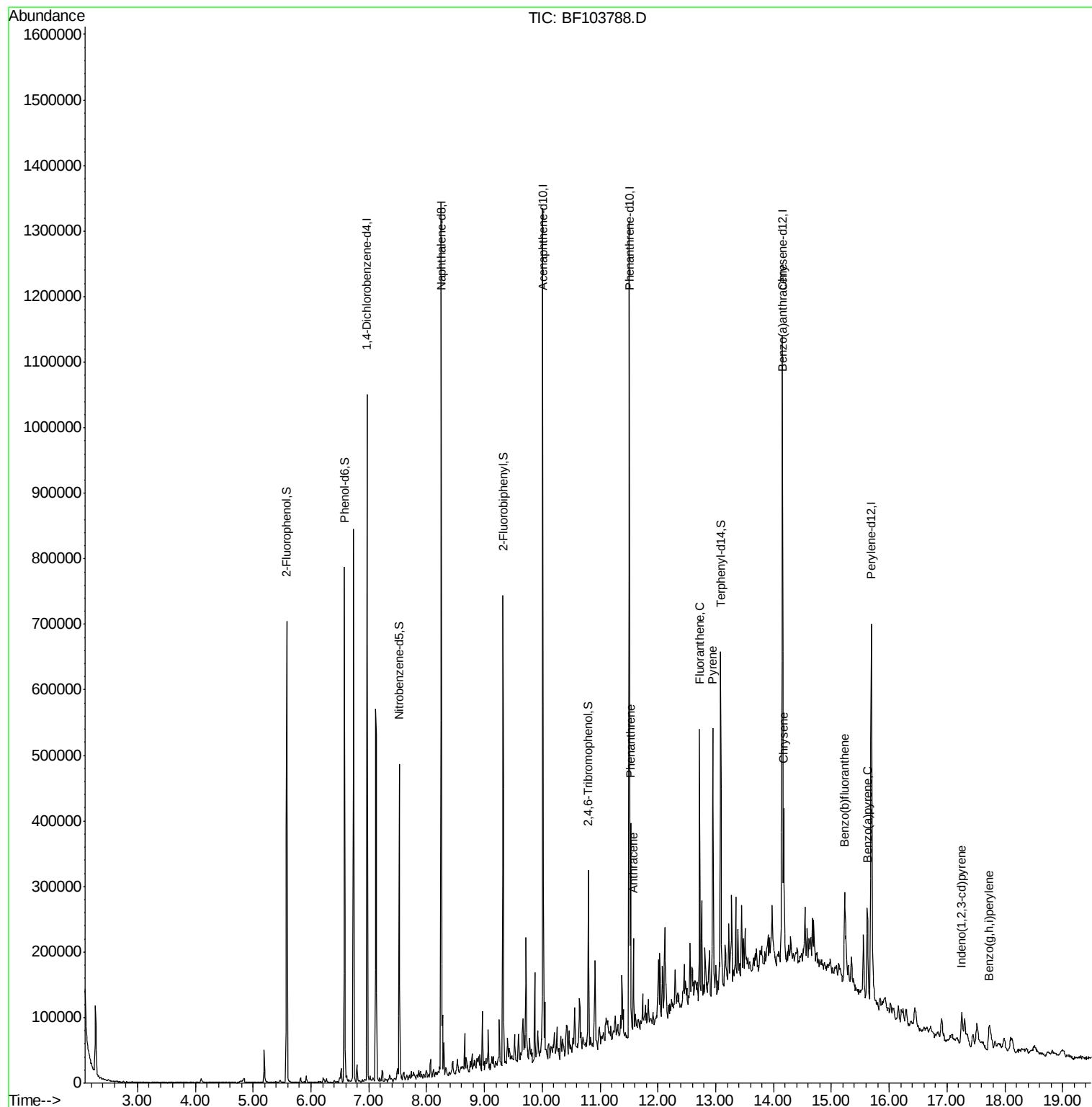
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031918\
Data File : BF103788.D
Acq On : 20 Mar 2018 6:50
Operator : JU/SJ
Sample : J1973-02 5X
Misc :
ALS Vial : 29 Sample Multiplier: 1

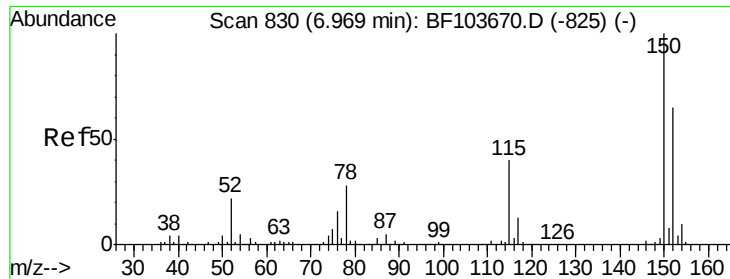
Instrument :
BNA_F
ClientSampleId :
COMP-2

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Quant Time: Mar 20 08:06:29 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

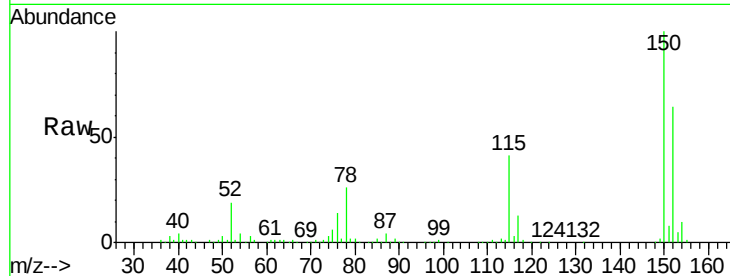
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.00 min
Lab File: BF103788.D
Acq: 20 Mar 2018 6:50

Instrument :
BNA_F
ClientSampled :
COMP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	124.6	186.8
115	63.6	50.1	75.1

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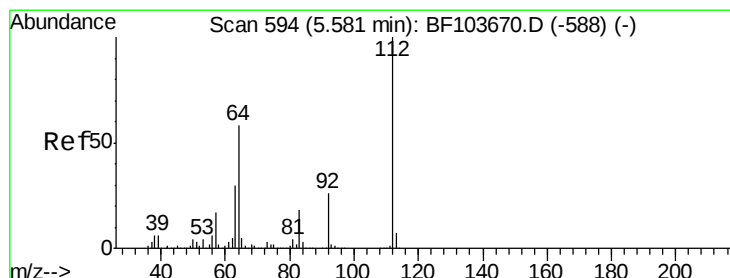
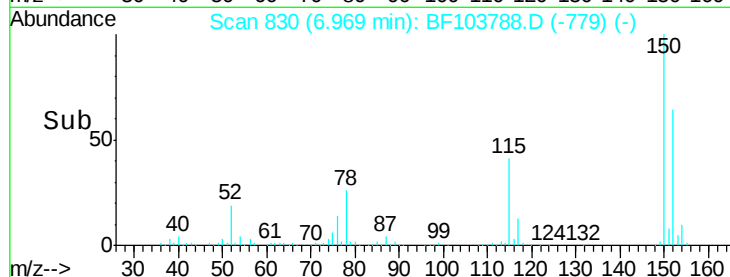
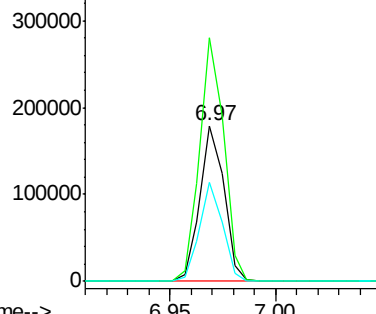


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

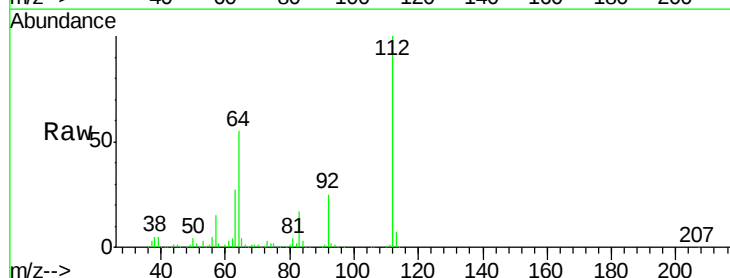
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 20.160 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.00 min
Lab File: BF103788.D
Acq: 20 Mar 2018 6:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	47.9	71.9
63	26.6	23.7	35.5

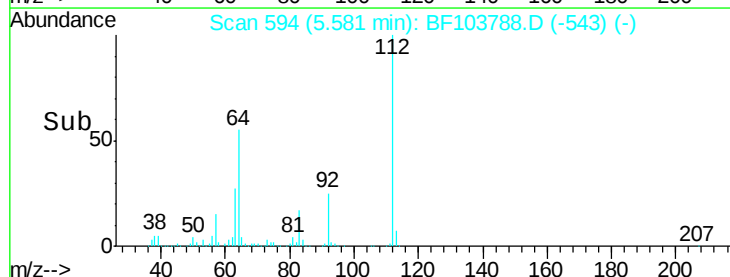
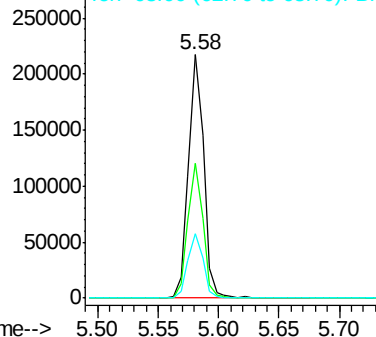


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 22.478 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF103788.D

Acq: 20 Mar 2018 6:50

Instrument :

BNA_F

ClientSampleId :

COMP-2

Tot Ion: 99 Resp: 256187

Ion Ratio Lower Upper

99 100

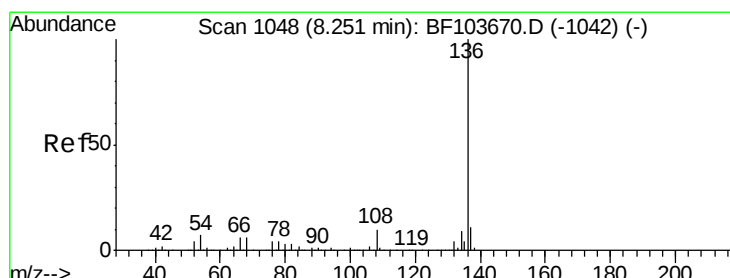
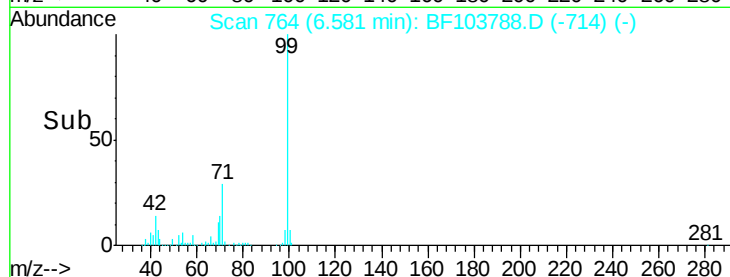
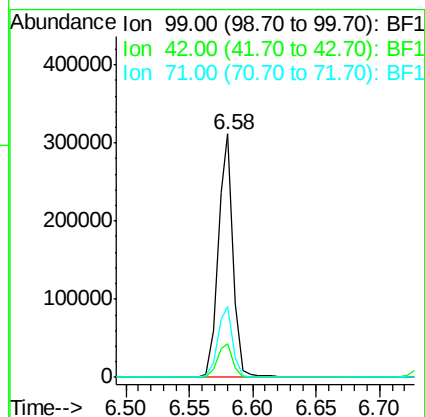
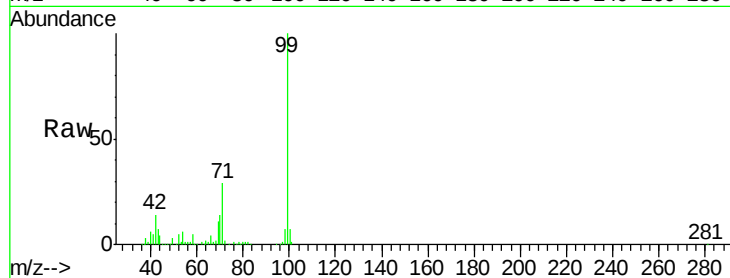
42 14.1 14.5 21.7#

71 29.0 25.4 38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF103788.D

Acq: 20 Mar 2018 6:50

Tgt Ion: 136 Resp: 562459

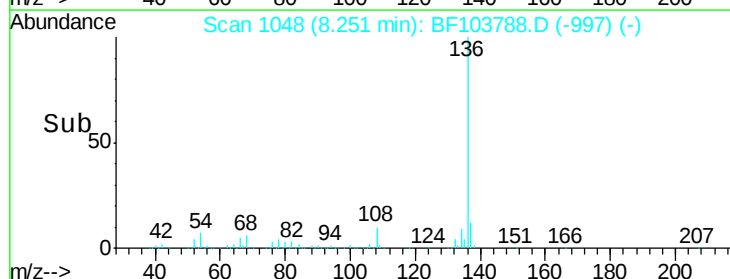
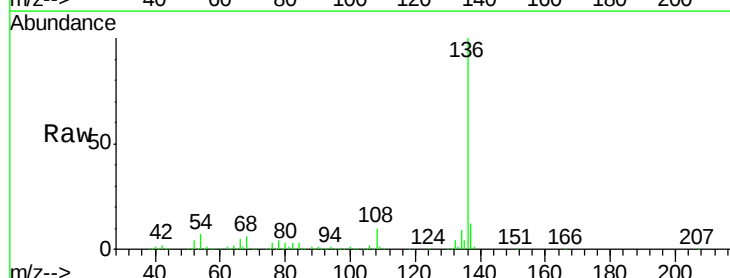
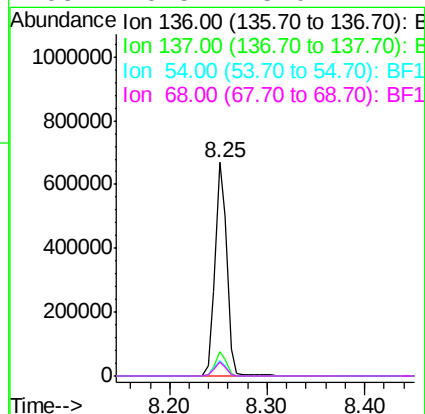
Ion Ratio Lower Upper

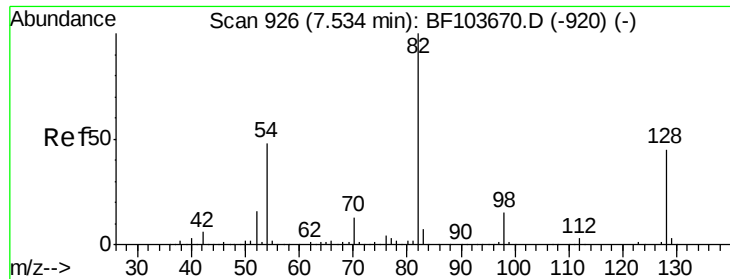
136 100

137 11.6 8.9 13.3

54 7.3 6.6 9.8

68 6.5 5.0 7.4





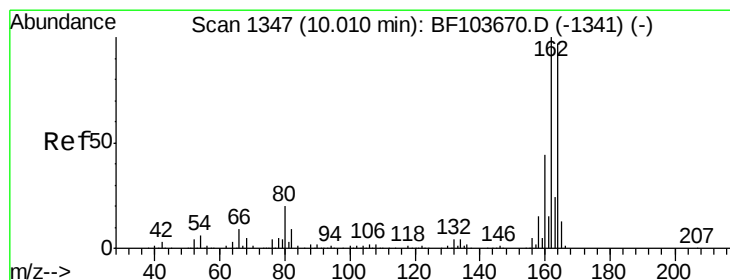
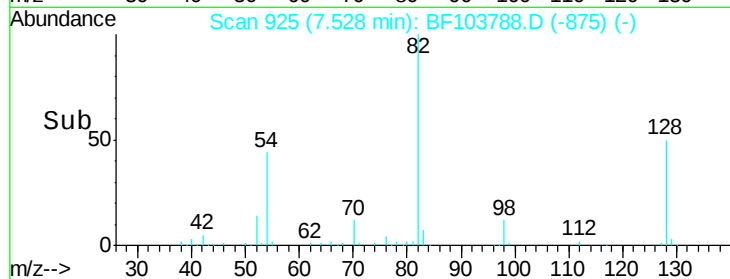
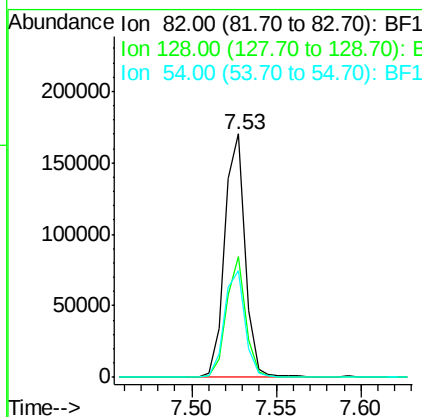
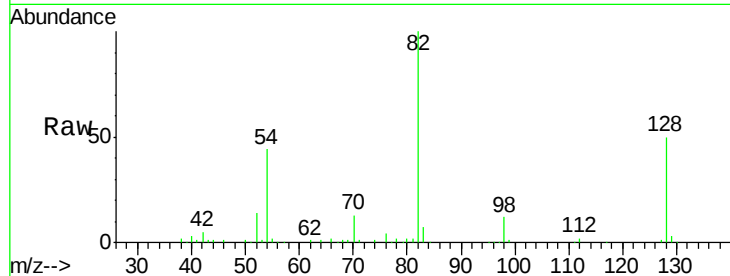
#23
 Nitrobenzene-d5
 Concen: 17.804 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: BF103788.D
 Acq: 20 Mar 2018 6:50

Instrument :
 BNA_F
 ClientSampled :
 COMP-2

Tot Ion	82	Resp	143600
Ion Ratio	100	Lower	Upper
82	100		
128	49.7	36.1	54.1
54	43.7	41.4	62.2

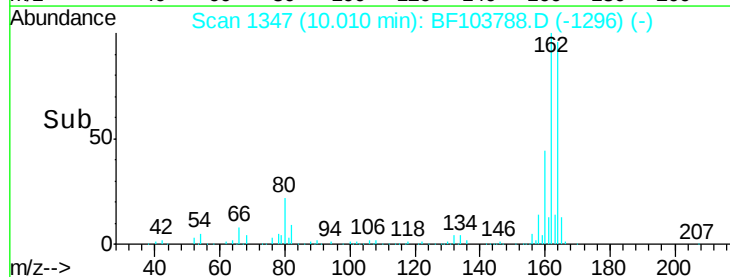
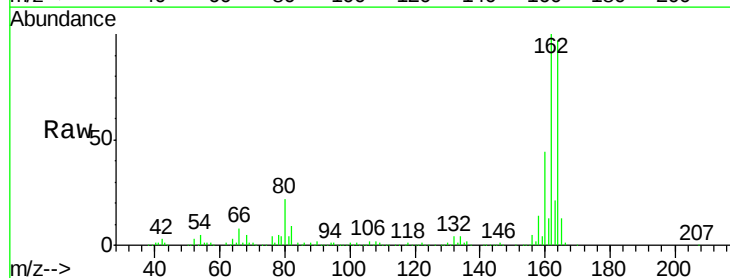
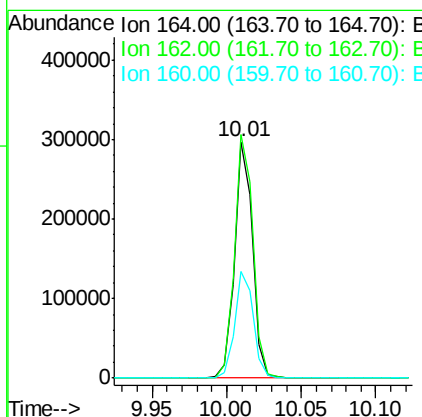
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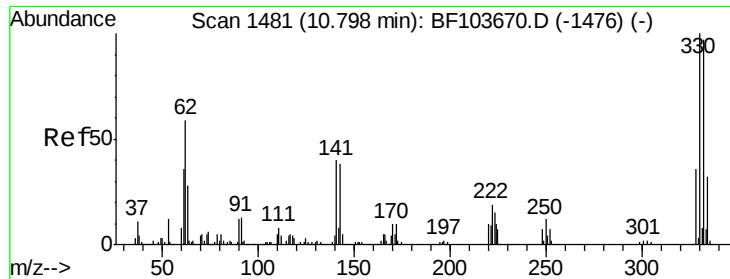
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: BF103788.D
 Acq: 20 Mar 2018 6:50

Tgt Ion	164	Resp	253213
Ion Ratio	100	Lower	Upper
164	100		
162	103.1	86.1	129.1
160	45.0	38.3	57.5





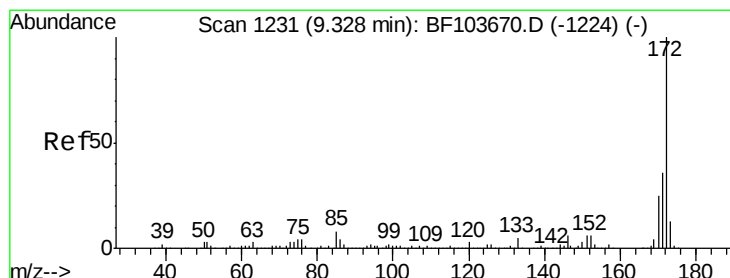
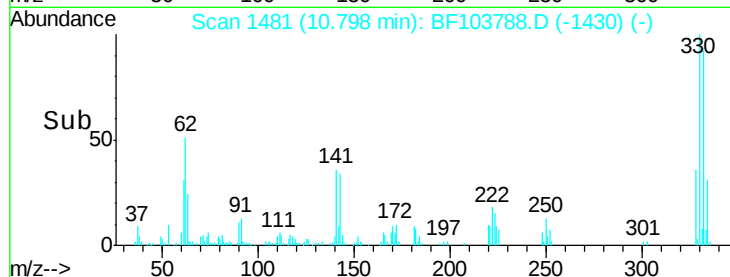
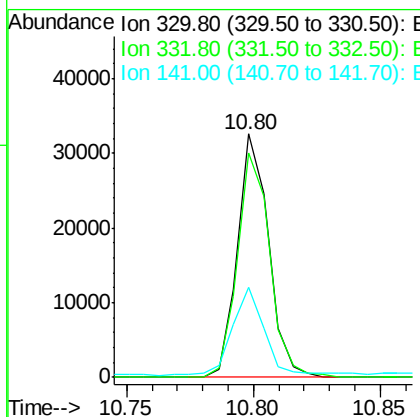
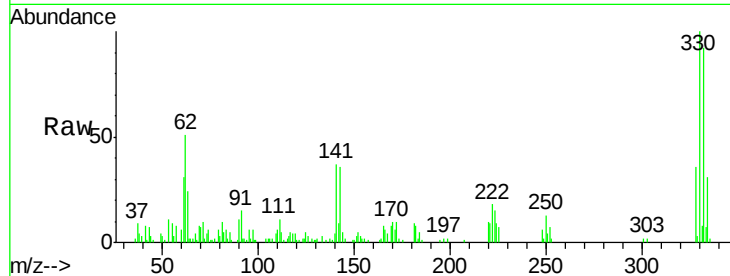
#41
 2,4,6-Tribromophenol
 Concen: 12.713 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: BF103788.D
 Acq: 20 Mar 2018 6:50

Instrument :
 BNA_F
 ClientSampled :
 COMP-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	27678		
332	96.0		77.0	115.6
141	37.6		29.9	44.9

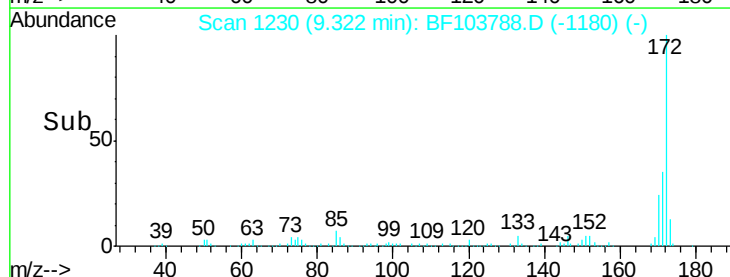
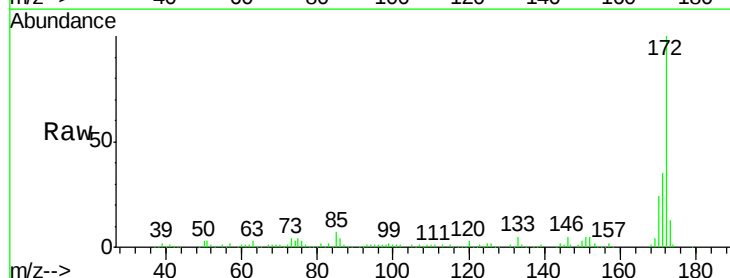
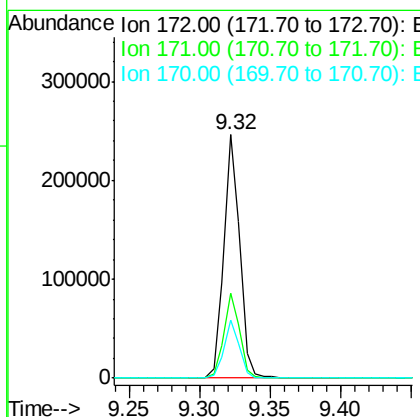
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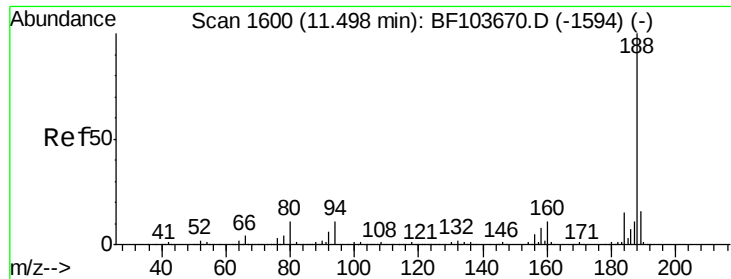
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#44
 2-Fluorobiphenyl
 Concen: 12.131 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF103788.D
 Acq: 20 Mar 2018 6:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	192570		
171	35.1		29.7	44.5
170	23.7		19.6	29.4





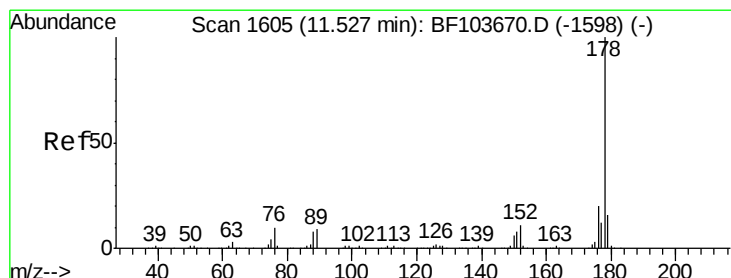
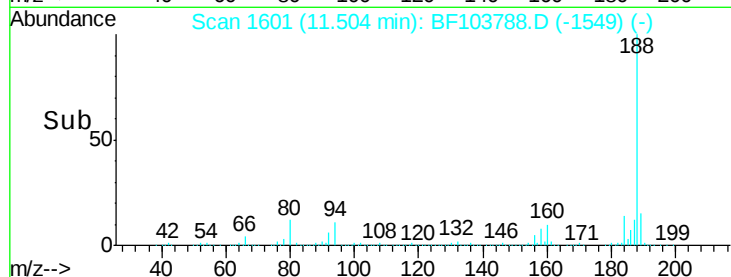
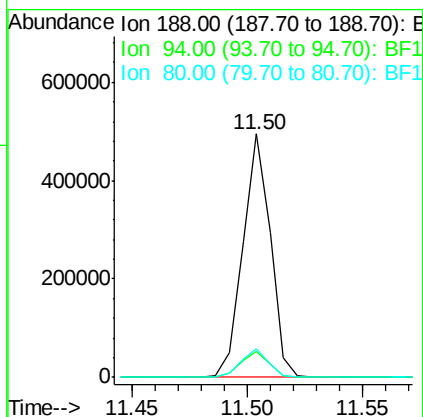
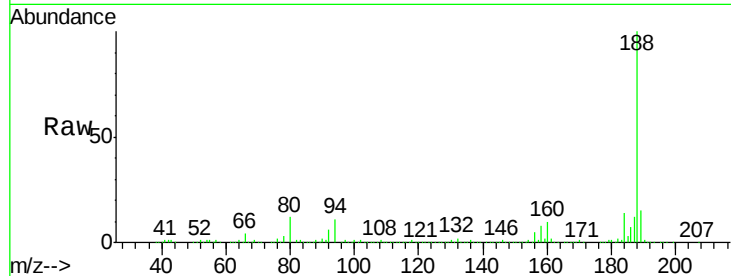
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF103788.D
Acq: 20 Mar 2018 6:50

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	411128		
94	10.8		8.5	12.7
80	11.7		9.2	13.8

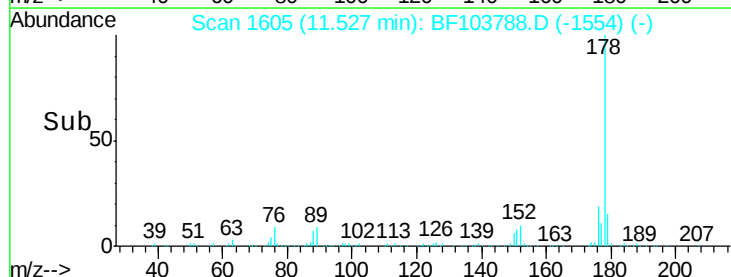
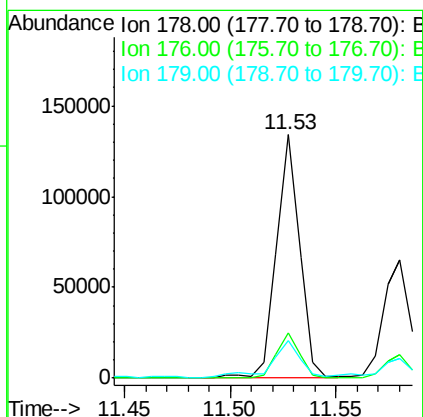
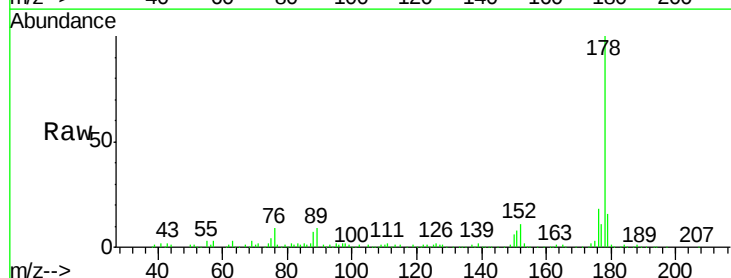
Manual Integrations
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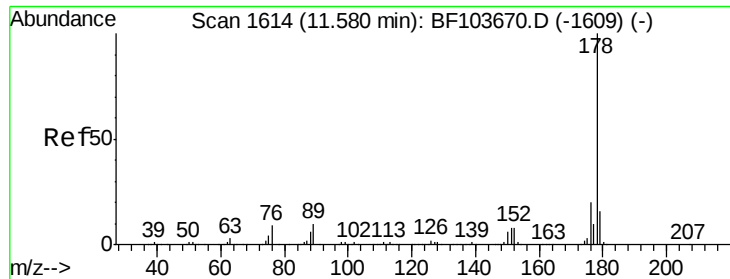
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#70
Phenanthrene
Concen: 4.617 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF103788.D
Acq: 20 Mar 2018 6:50

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	103834		
176	18.4		15.8	23.8
179	15.6		13.0	19.6





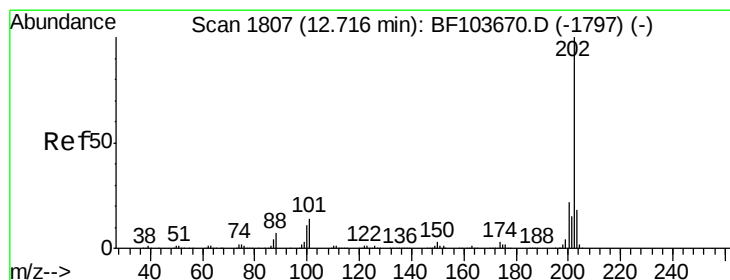
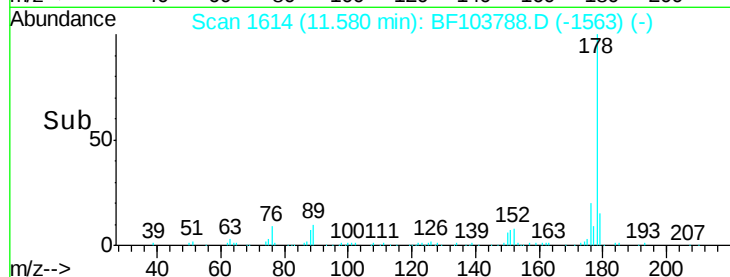
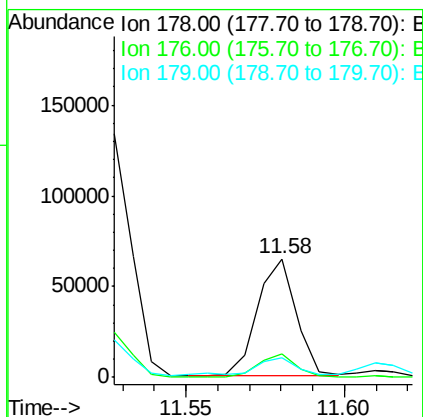
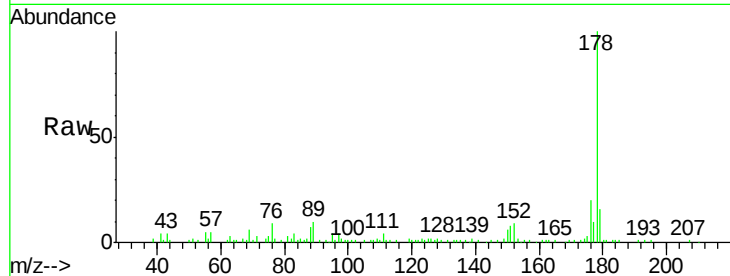
#71
 Anthracene
 Concen: 2.372 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.00 min
 Lab File: BF103788.D
 Acq: 20 Mar 2018 6:50

Instrument :
 BNA_F
 ClientSampled :
 COMP-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	16.0	12.6	19.0

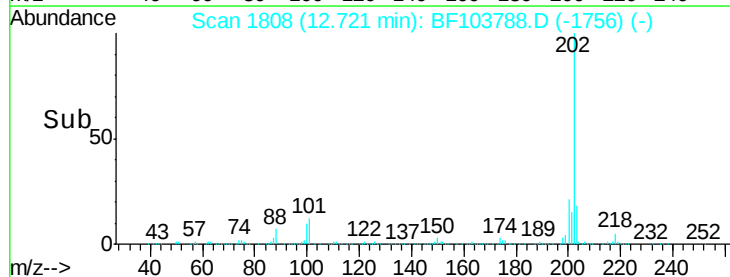
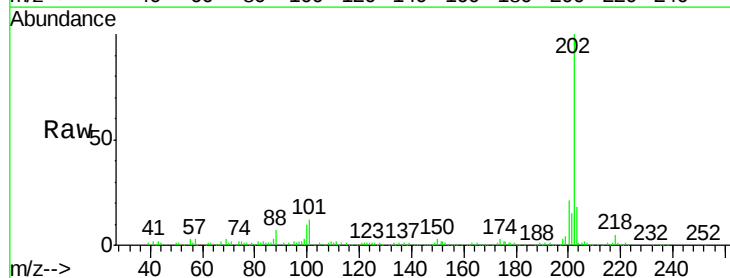
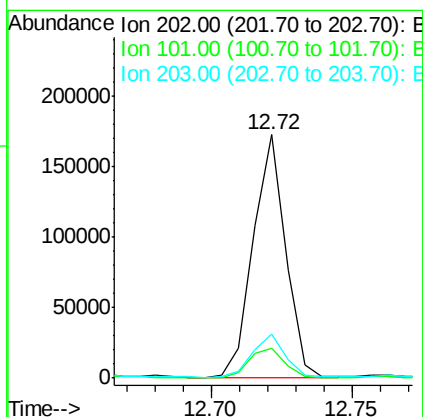
Manual Integrations
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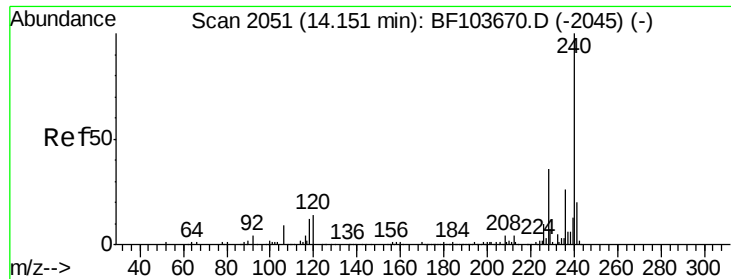
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#74
 Fluoranthene
 Concen: 5.899 ng
 RT: 12.72 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: BF103788.D
 Acq: 20 Mar 2018 6:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	34.1
203	18.1	0.0	38.1





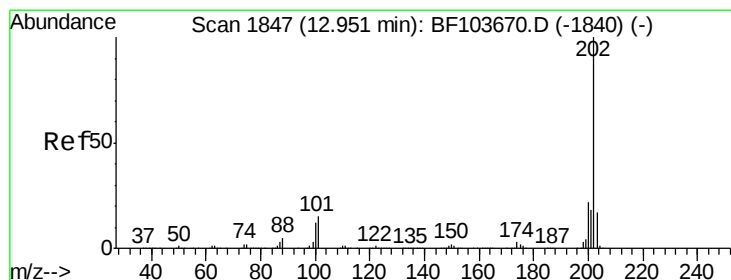
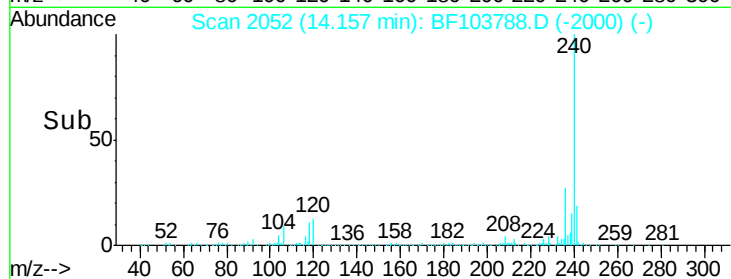
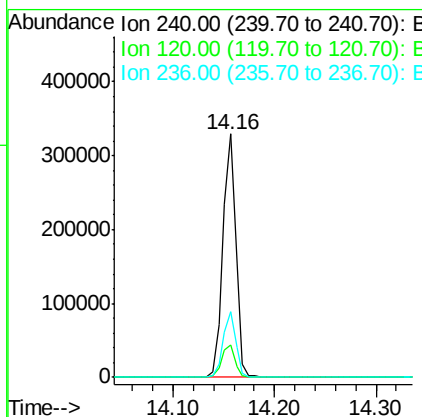
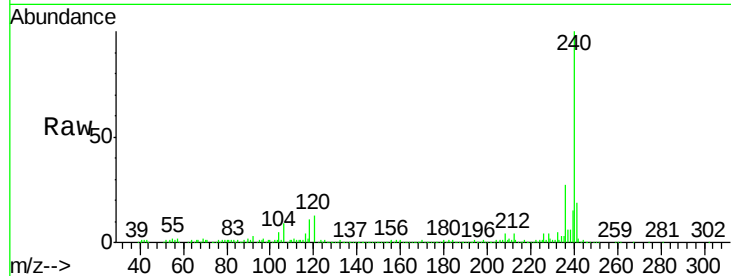
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. 0.01 min
Lab File: BF103788.D
Acq: 20 Mar 2018 6:50

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tot Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	13.4	9.5	14.3
236	26.8	20.7	31.1

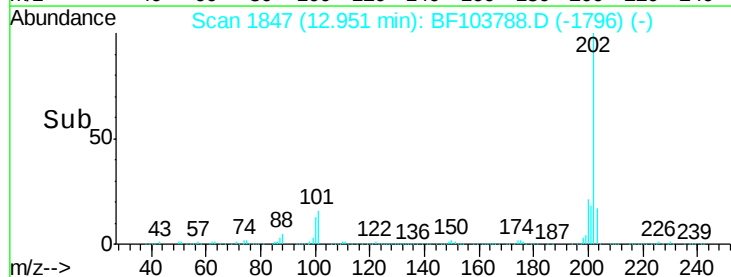
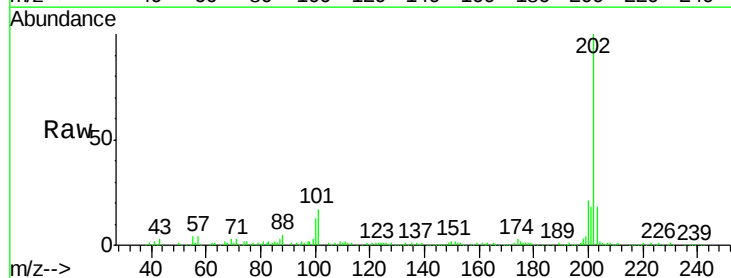
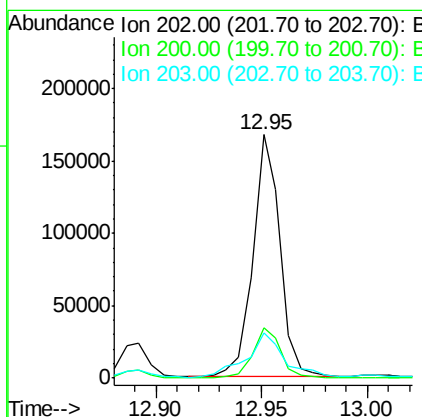
Manual Integrations
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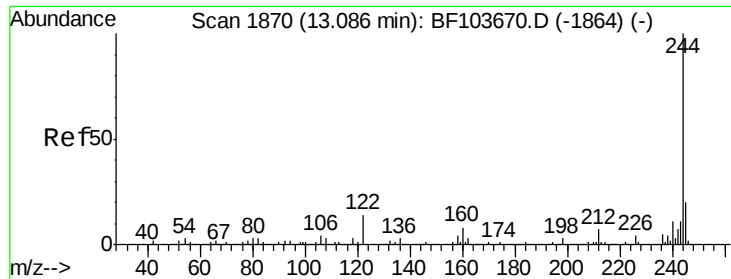
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#77
Pyrene
Concen: 6.971 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.00 min
Lab File: BF103788.D
Acq: 20 Mar 2018 6:50

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.7	17.4	26.2
203	18.5	14.3	21.5





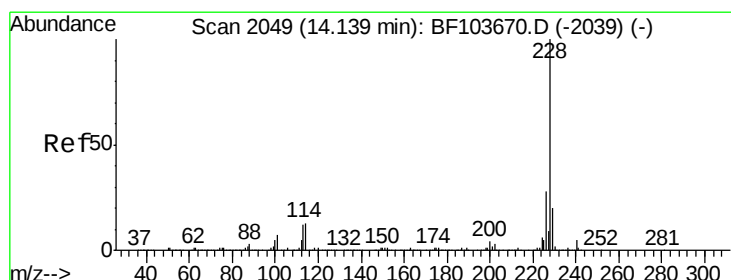
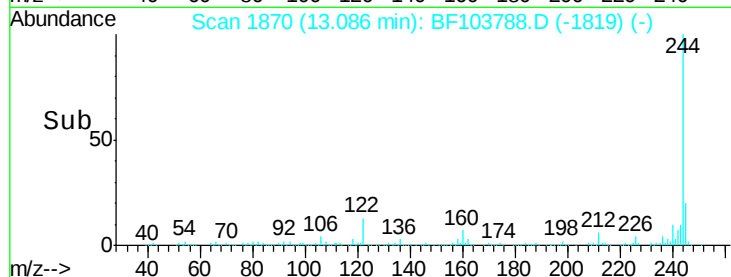
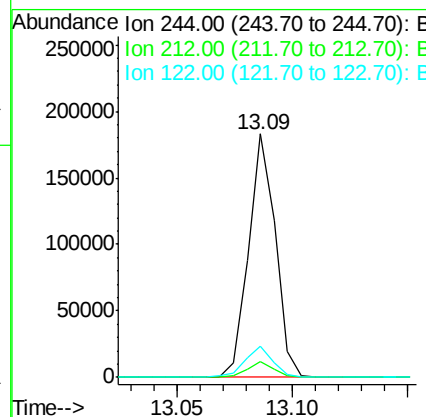
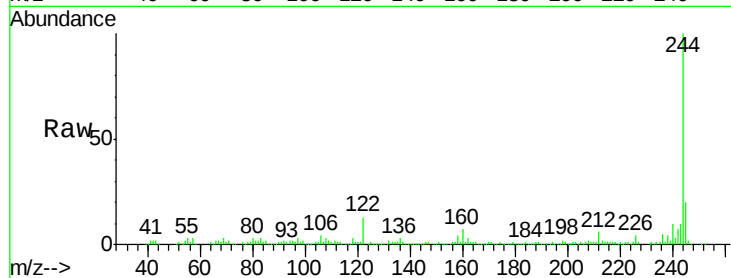
#78
 Terphenyl-d14
 Concen: 11.816 ng
 RT: 13.09 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: BF103788.D
 Acq: 20 Mar 2018 6:50

Instrument :
 BNA_F
 ClientSampleID :
 COMP-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	13.0	11.0	16.4

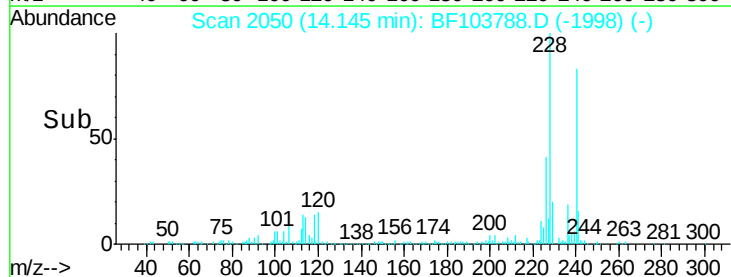
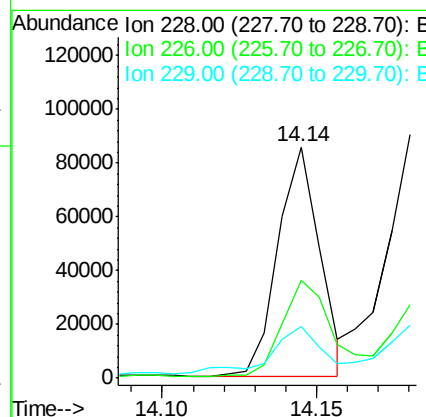
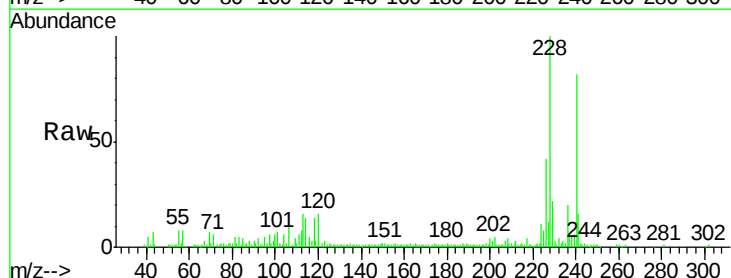
Manual Integrations
 APPROVED

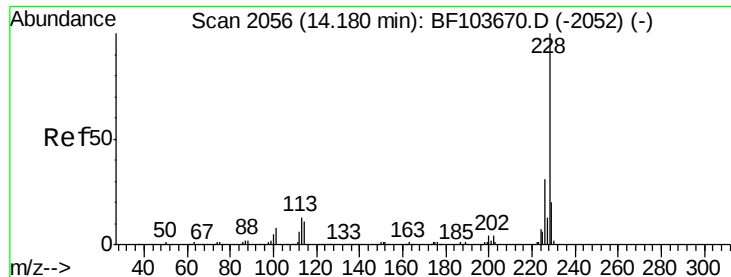
Sohil
 3/20/2018 6:27:50 PM



#80
 Benzo(a)anthracene
 Concen: 4.291 ng m
 RT: 14.14 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: BF103788.D
 Acq: 20 Mar 2018 6:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	42.0	22.6	33.8#
229	22.2	15.8	23.6





#82

Chrysene

Concen: 4.814 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BF103788.D

Acq: 20 Mar 2018 6:50

Instrument :

BNA_F

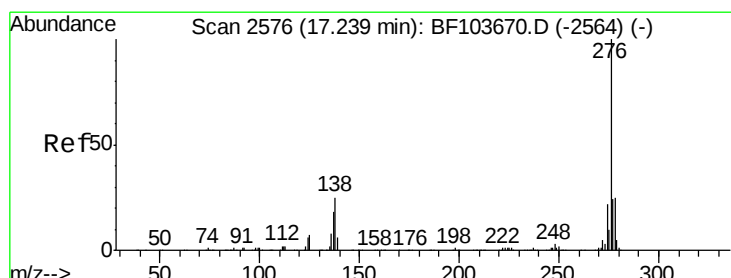
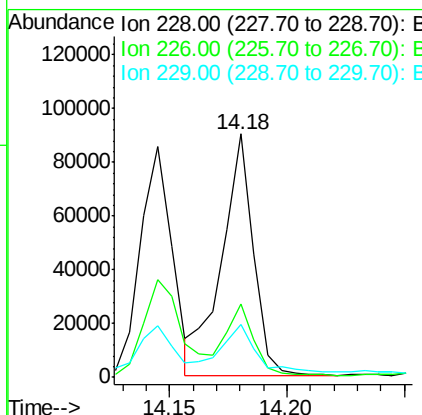
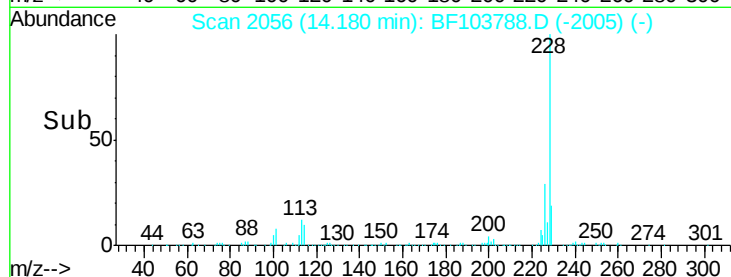
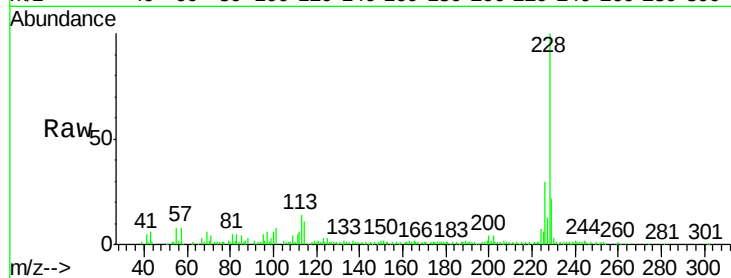
ClientSampleId :

COMP-2

Tot Ion:	228	Resp:	85074
Ion Ratio	Lower	Upper	
228	100		
226	29.9	25.0	37.6
229	21.6	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.012 ng

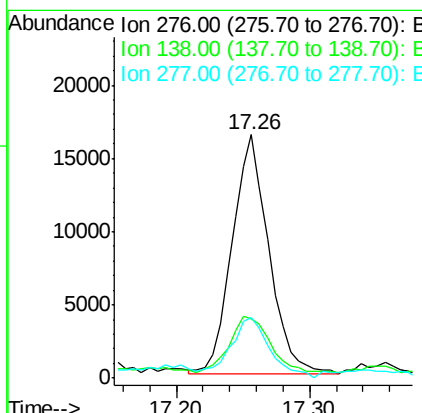
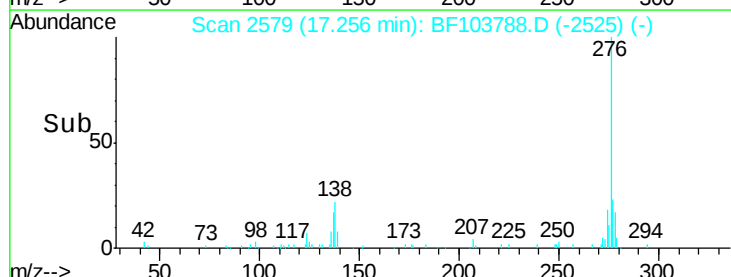
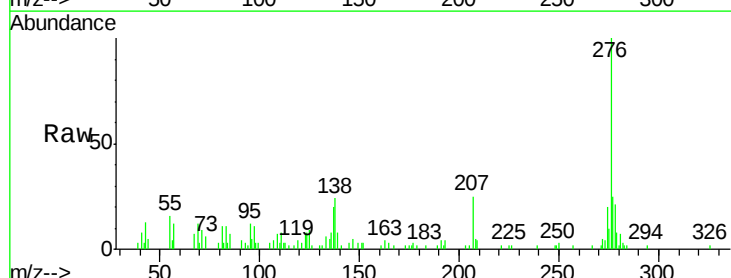
RT: 17.26 min Scan# 2579

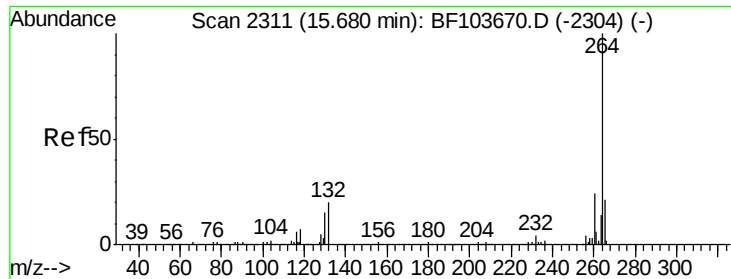
Delta R.T. 0.02 min

Lab File: BF103788.D

Acq: 20 Mar 2018 6:50

Tgt Ion:	276	Resp:	31049
Ion Ratio	Lower	Upper	
276	100		
138	26.1	25.0	37.6
277	27.7	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2313

Delta R.T. 0.01 min

Lab File: BF103788.D

Acq: 20 Mar 2018 6:50

Instrument :

BNA_F

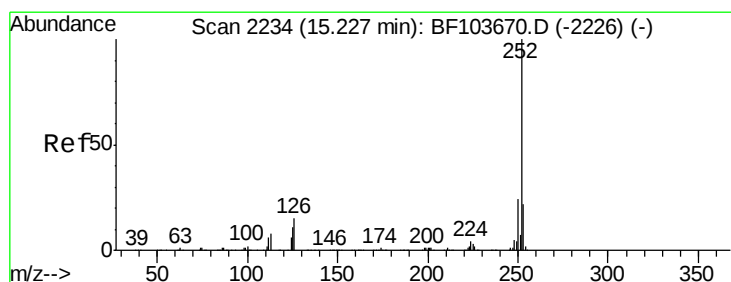
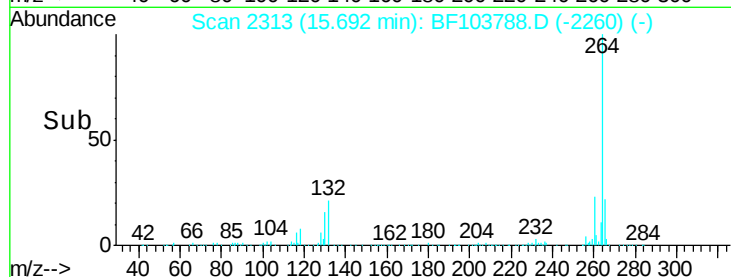
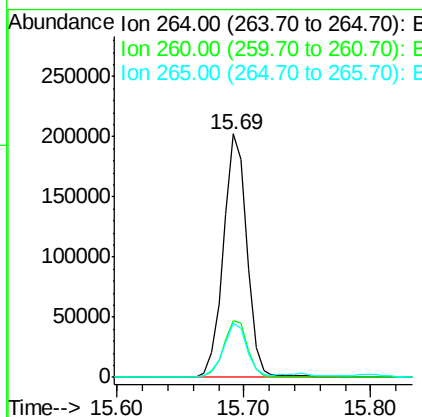
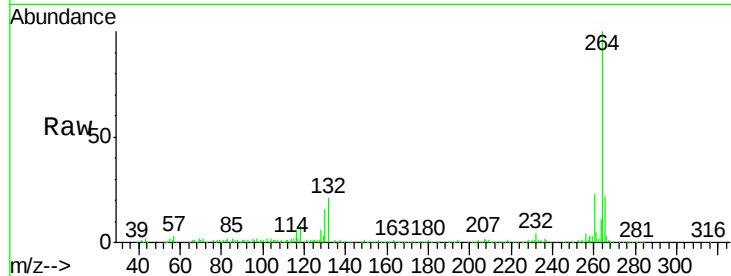
ClientSampled :

COMP-2

Tot Ion:	264	Resp:	260055
Ion Ratio		Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.1	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 4.451 ng m

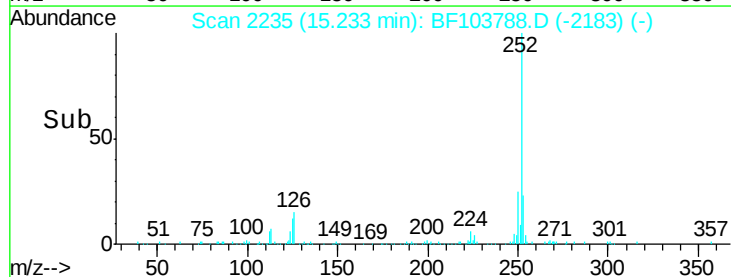
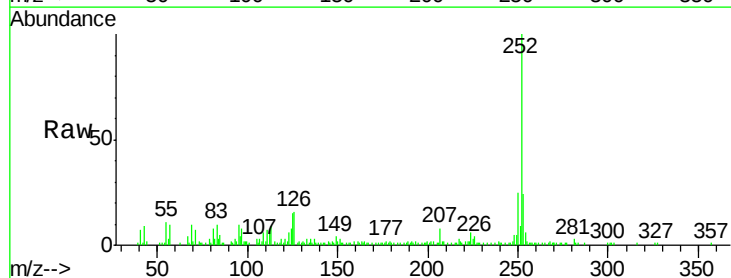
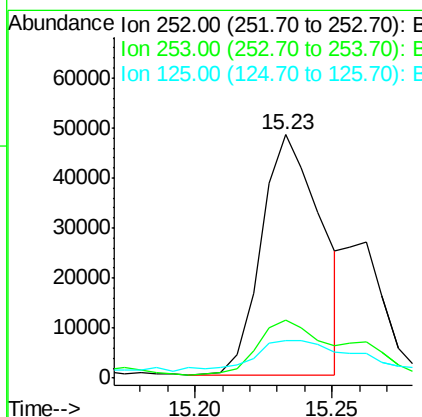
RT: 15.23 min Scan# 2235

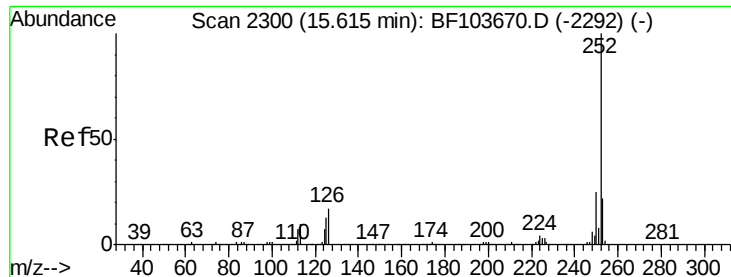
Delta R.T. 0.01 min

Lab File: BF103788.D

Acq: 20 Mar 2018 6:50

Tgt Ion:	252	Resp:	73122
Ion Ratio		Lower	Upper
252	100		
253	24.1	17.0	25.6
125	15.3	9.0	13.6#





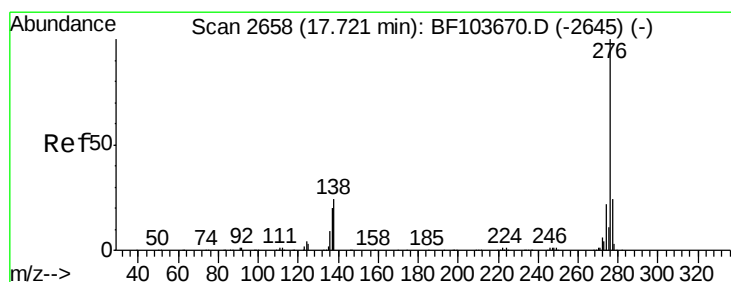
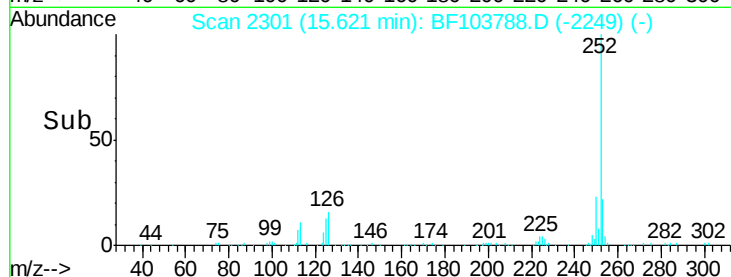
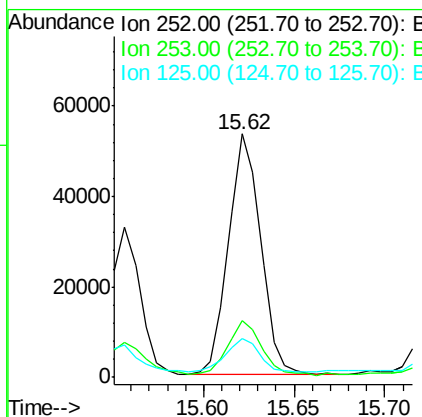
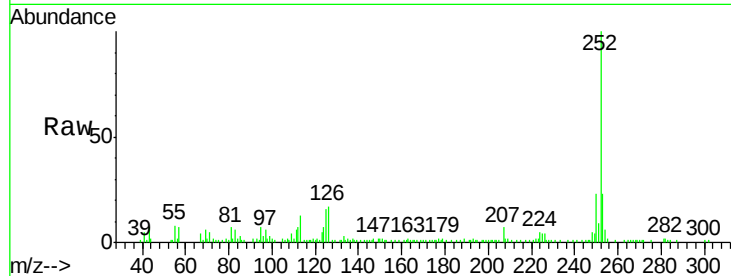
#89
Benzo(a)pyrene
Concen: 4.443 ng
RT: 15.62 min Scan# 2301
Delta R.T. 0.01 min
Lab File: BF103788.D
Acq: 20 Mar 2018 6:50

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	16.0	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.429 ng
RT: 17.73 min Scan# 2660
Delta R.T. 0.01 min
Lab File: BF103788.D
Acq: 20 Mar 2018 6:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.9	26.9
138	25.3	21.8	32.8

