

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
 Data File : BF104076.D
 Acq On : 30 Mar 2018 3:32
 Operator : JU/SJ
 Sample : J2122-08 2X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB-13-COMP

Manual Integrations
 APPROVED

Sohil
 3/30/2018 6:03:16 PM

Quant Time: Mar 30 07:16:21 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	107701	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	444486	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	174644	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	241436	20.00	ng	0.00
75) Chrysene-d12	14.16	240	245184	20.00	ng	0.00
86) Perylene-d12	15.70	264	229844	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	273634	40.52	ng	0.00
7) Phenol-d6	6.60	99	369533	44.47	ng	0.00
23) Nitrobenzene-d5	7.53	82	214017	29.45	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	72599	37.33	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	451762	40.79	ng	0.00
78) Terphenyl-d14	13.08	244	311365	29.32	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.71	163	31556	2.289	ng	Qvalue # 99
70) Phenanthrene	11.53	178	33416	2.556	ng	98
74) Fluoranthene	12.72	202	50405	3.628	ng	96
77) Pyrene	12.95	202	51241	2.907	ng	97
87) Benzo(b)fluoranthene	15.24	252	33149m	2.370	ng	
89) Benzo(a)pyrene	15.63	252	28560	2.203	ng	# 84

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

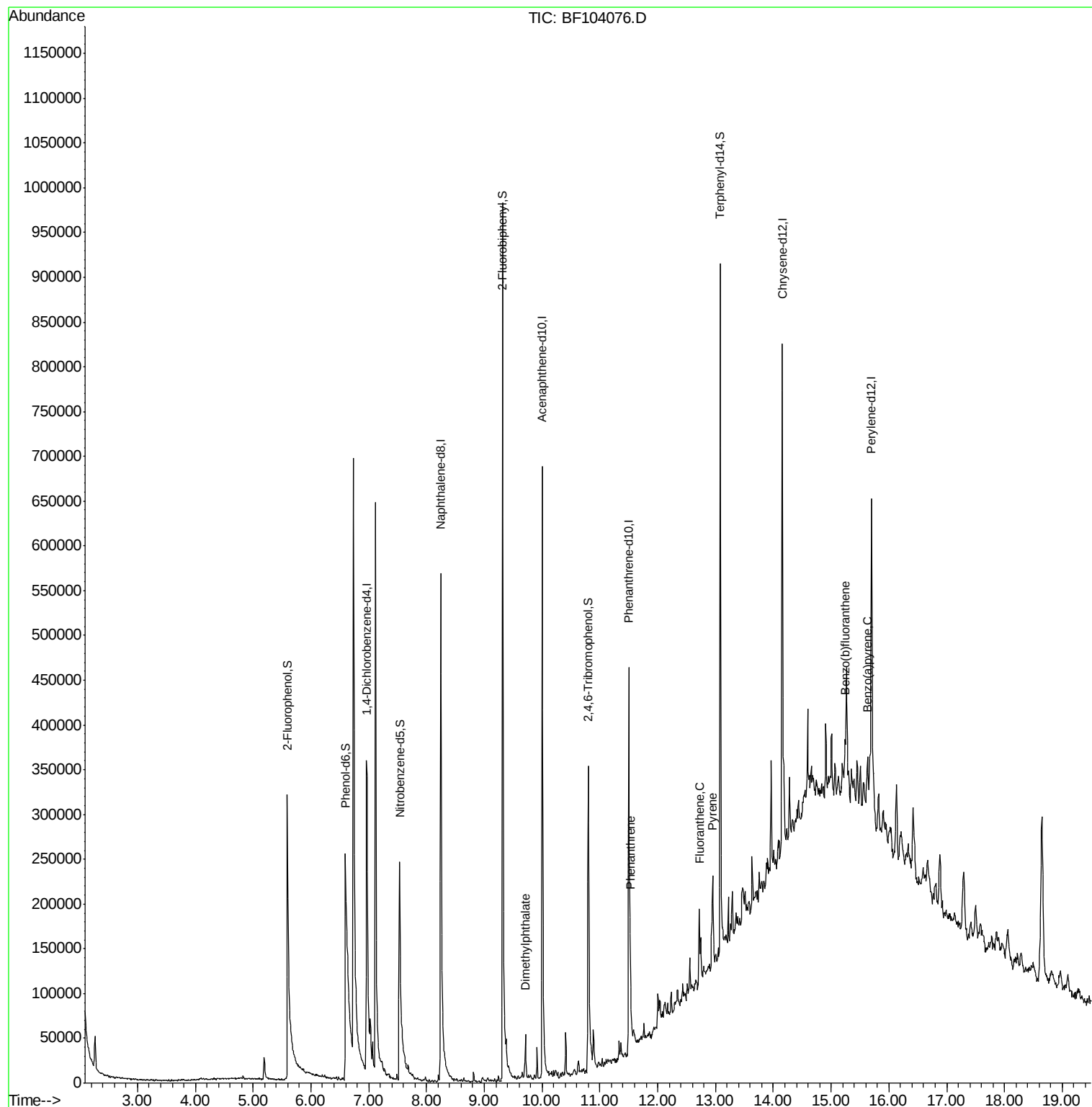
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032918\
Data File : BF104076.D
Acq On : 30 Mar 2018 3:32
Operator : JU/SJ
Sample : J2122-08 2X
Misc :
ALS Vial : 32 Sample Multiplier: 1

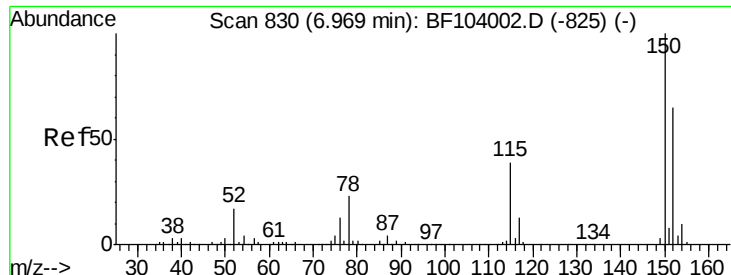
Instrument :
BNA_F
ClientSampleId :
PB-13-COMP

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#1

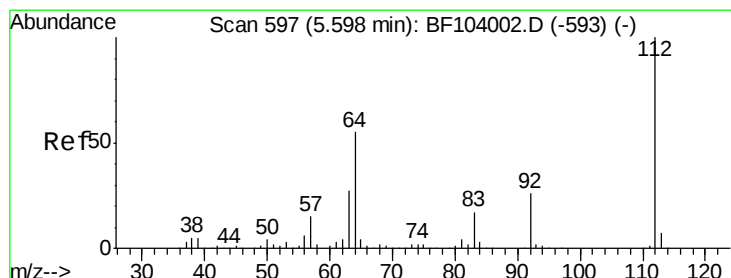
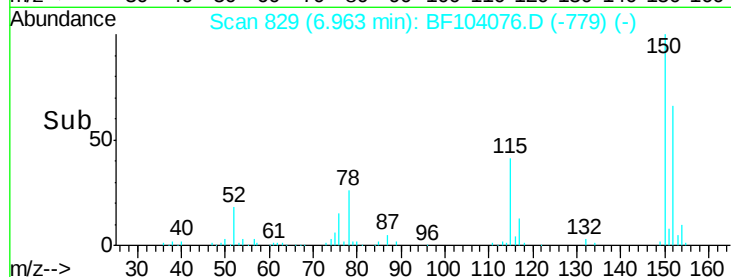
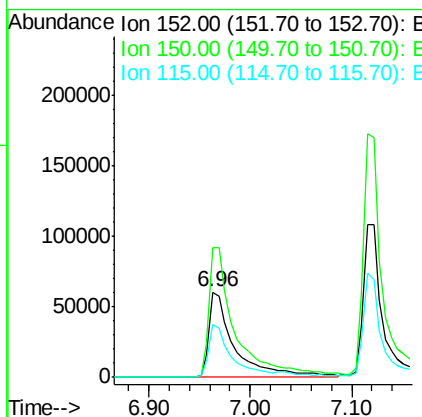
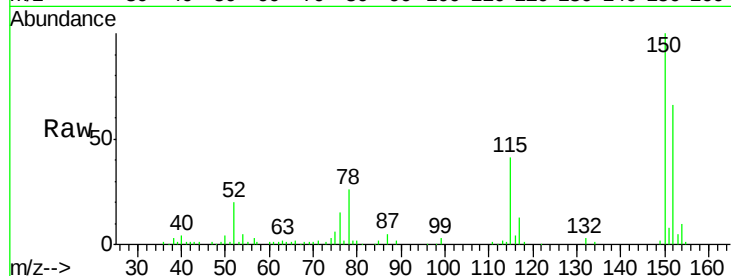
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.01 min
Lab File: BF104076.D
Acq: 30 Mar 2018 3:32

Instrument :
BNA_F
ClientSampleId :
PB-13-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	124.6	186.8
115	62.2	50.1	75.1

Manual Integrations
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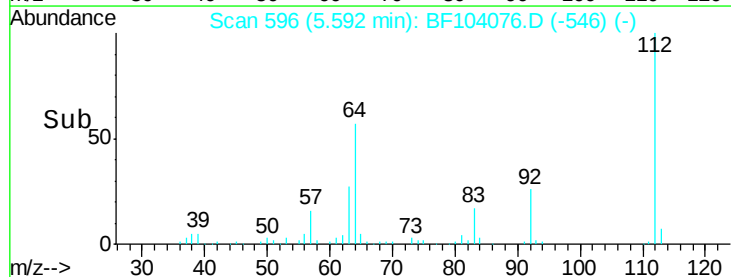
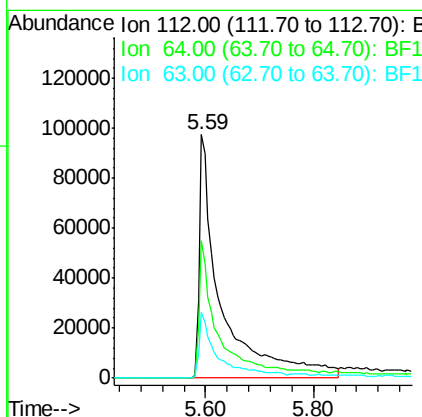
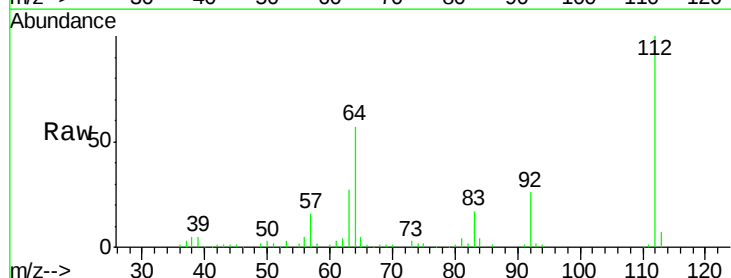
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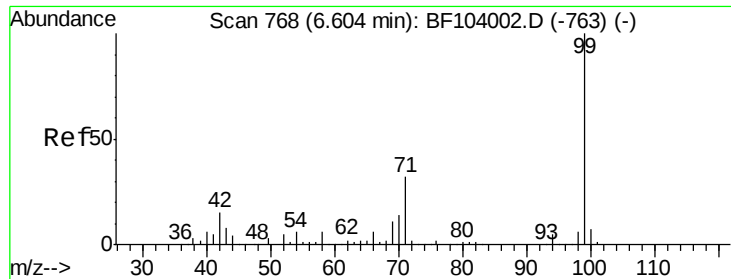


#5

2-Fluorophenol
Concen: 40.517 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.01 min
Lab File: BF104076.D
Acq: 30 Mar 2018 3:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	47.9	71.9
63	27.1	23.7	35.5





#7

Phenol-d6

Concen: 44.475 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF104076.D

Acq: 30 Mar 2018 3:32

Instrument :

BNA_F

ClientSampled :

PB-13-COMP

Tot Ion: 99 Resp: 369533

Ion Ratio Lower Upper

99 100

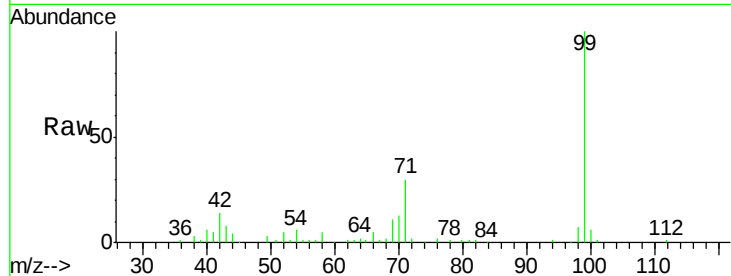
42 14.3 14.5 21.7#

71 30.0 25.4 38.0

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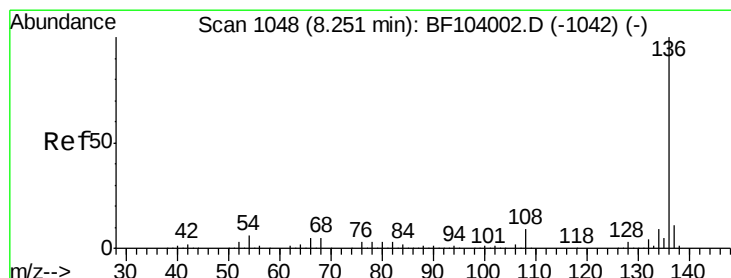
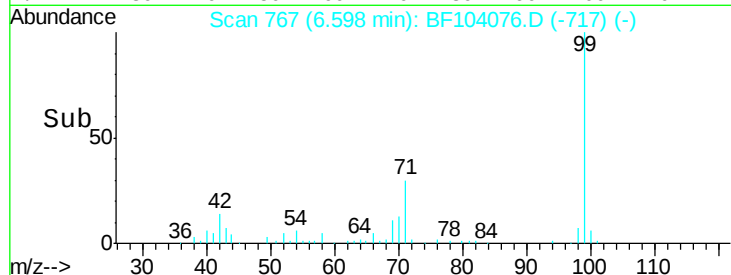
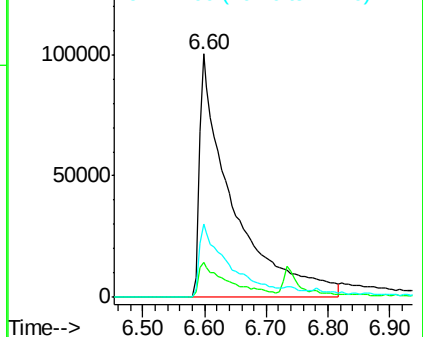
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BF104076.D

Acq: 30 Mar 2018 3:32

Tgt Ion: 136 Resp: 444486

Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.8 6.6 9.8

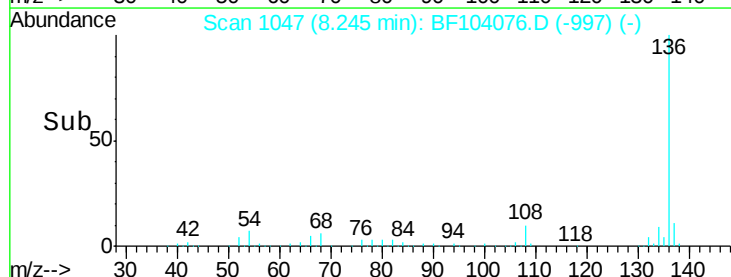
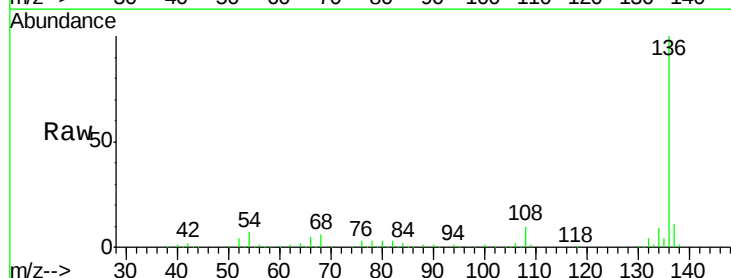
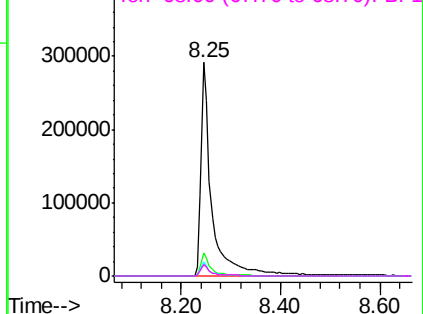
68 5.7 5.0 7.4

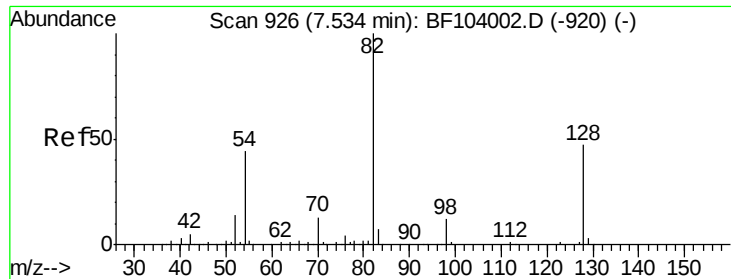
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





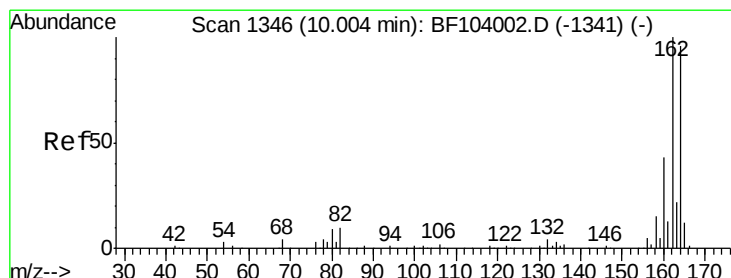
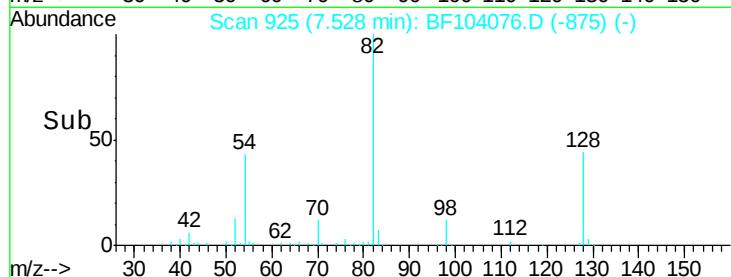
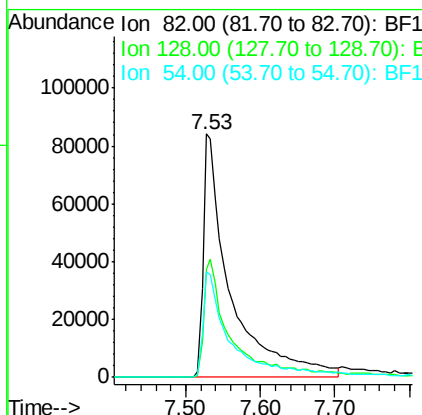
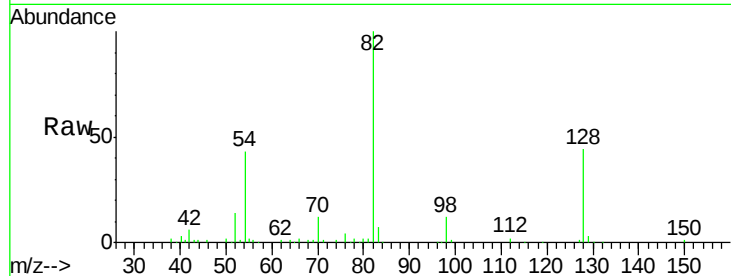
#23
 Nitrobenzene-d5
 Concen: 29.446 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: BF104076.D
 Acq: 30 Mar 2018 3:32

Instrument :
 BNA_F
 ClientSampled :
 PB-13-COMP

Tot Ion	82	Resp	214017
Ion Ratio	100	Lower	Upper
82	100		
128	44.2	36.1	54.1
54	43.2	41.4	62.2

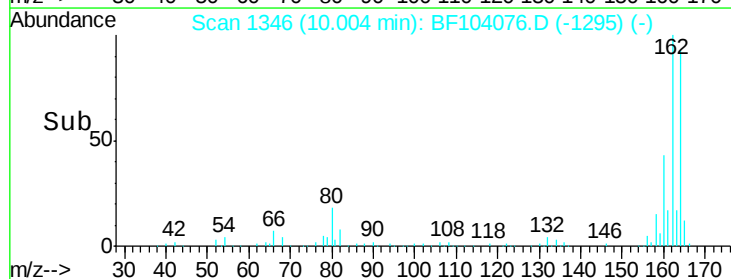
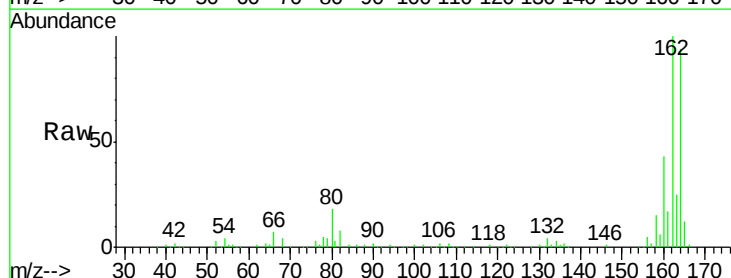
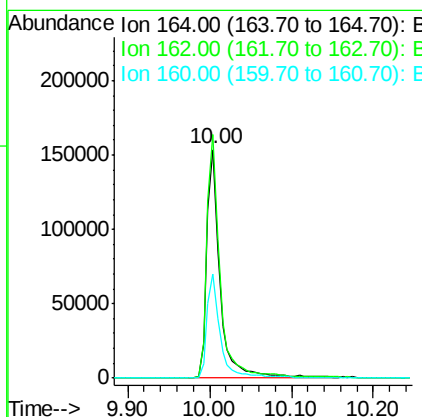
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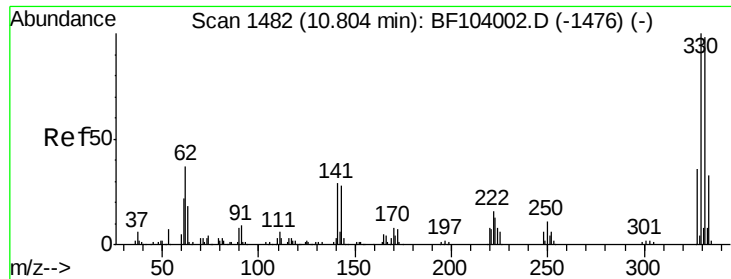
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.00 min
 Lab File: BF104076.D
 Acq: 30 Mar 2018 3:32

Tgt Ion	164	Resp	174644
Ion Ratio	100	Lower	Upper
164	100		
162	106.6	86.1	129.1
160	45.6	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 37.332 ng

RT: 10.80 min Scan# 1481

Delta R.T. -0.01 min

Lab File: BF104076.D

Acq: 30 Mar 2018 3:32

Instrument :

BNA_F

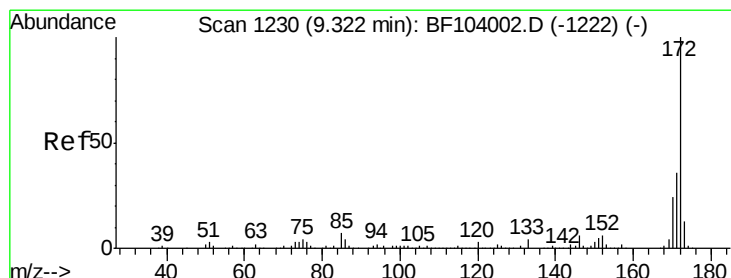
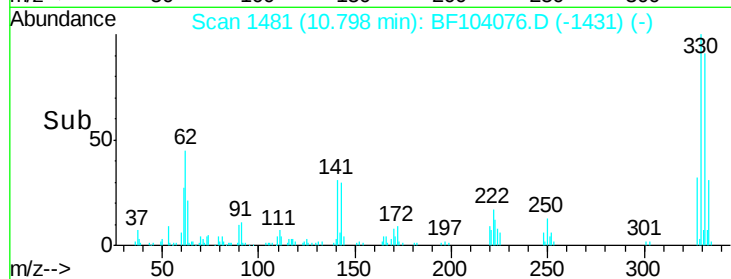
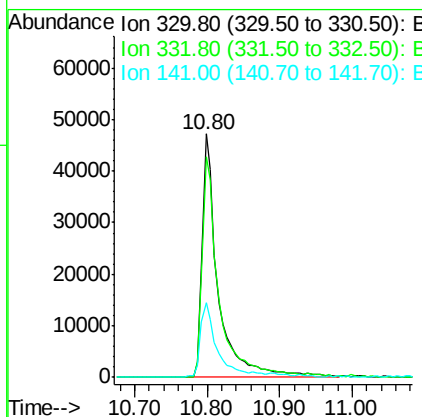
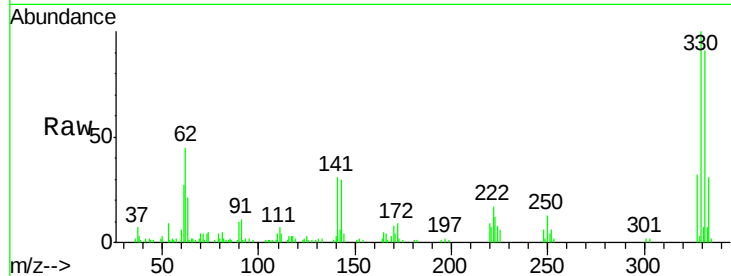
ClientSampleId :

PB-13-COMP

Tot Ion:	330	Resp:	72599
Ion Ratio	Lower	Upper	
330	100		
332	96.5	77.0	115.6
141	32.3	29.9	44.9

Manual Integrations
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#44

2-Fluorobiphenyl

Concen: 40.791 ng

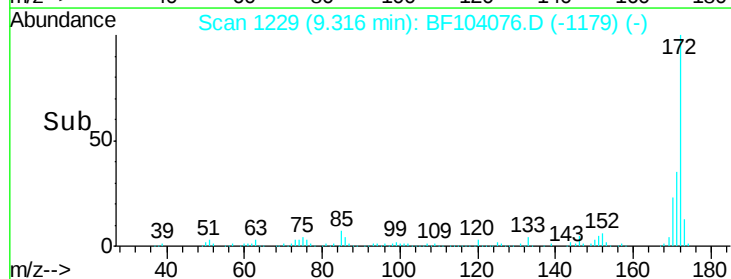
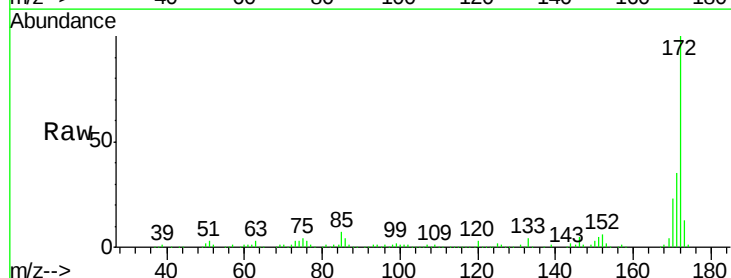
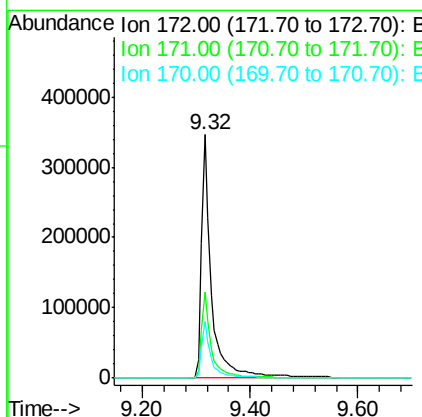
RT: 9.32 min Scan# 1229

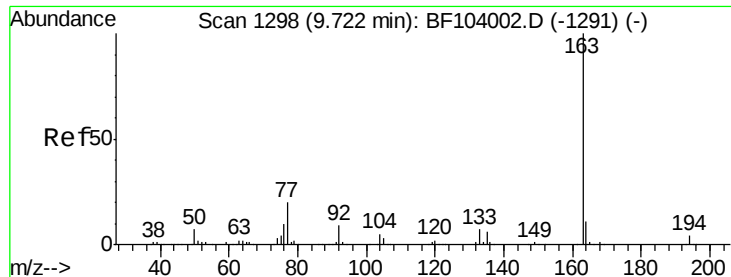
Delta R.T. -0.01 min

Lab File: BF104076.D

Acq: 30 Mar 2018 3:32

Tgt Ion:	172	Resp:	451762
Ion Ratio	Lower	Upper	
172	100		
171	35.4	29.7	44.5
170	23.5	19.6	29.4





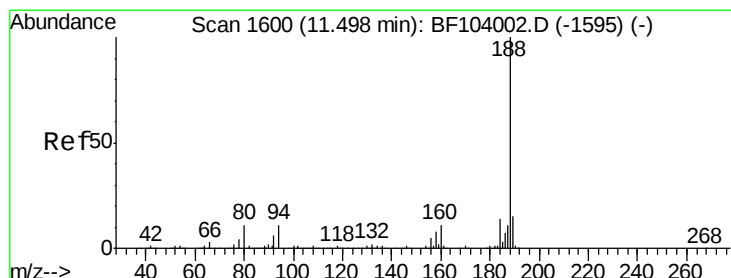
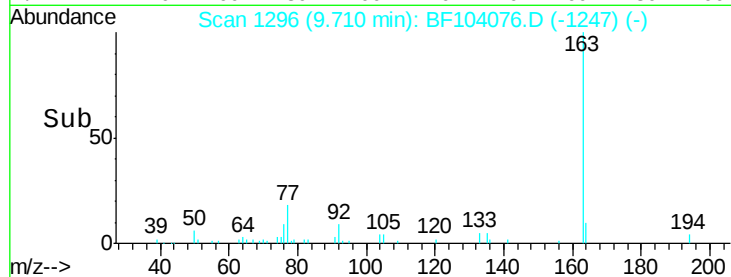
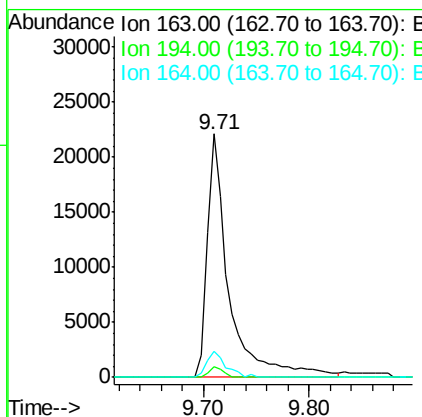
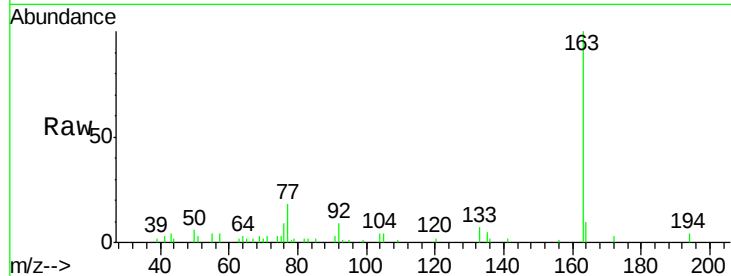
#49
Dimethylphthalate
Concen: 2.289 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF104076.D
Acq: 30 Mar 2018 3:32

Instrument :
BNA_F
ClientSampleId :
PB-13-COMP

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.5	2.7	4.1#
164	10.5	8.2	12.2

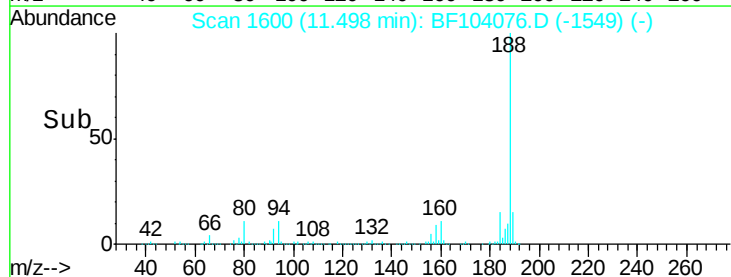
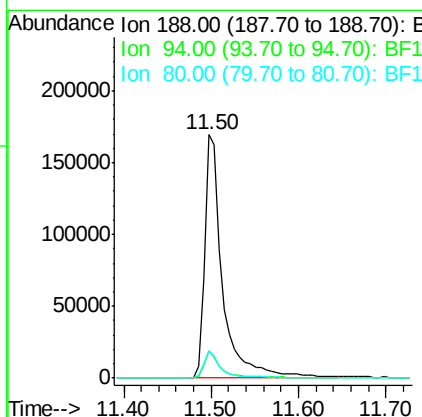
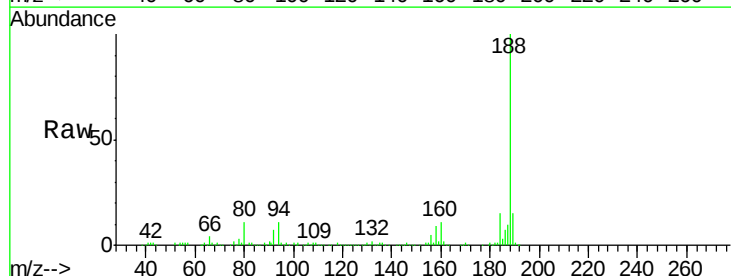
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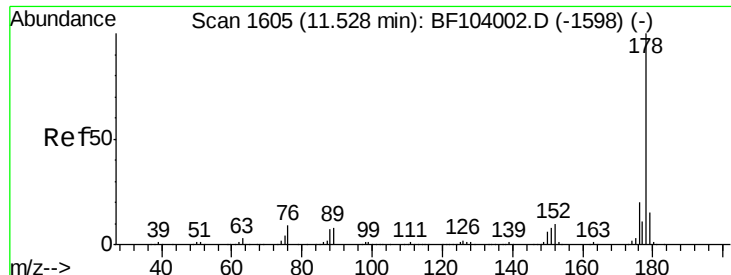
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104076.D
Acq: 30 Mar 2018 3:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.5	12.7
80	11.3	9.2	13.8





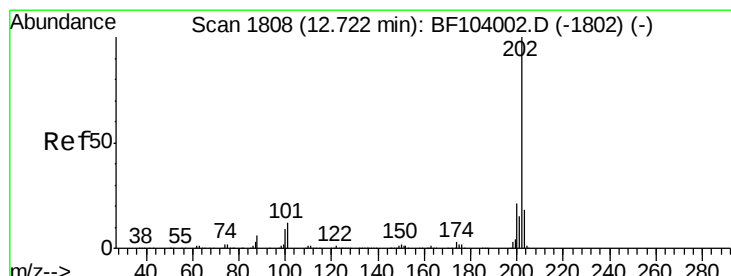
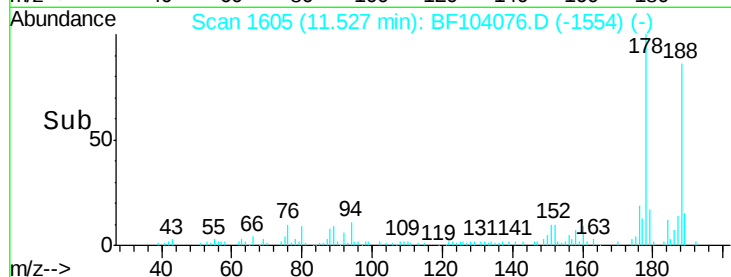
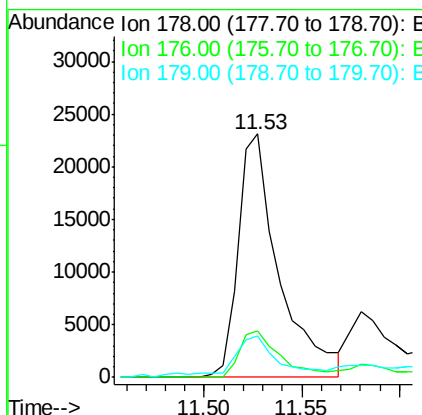
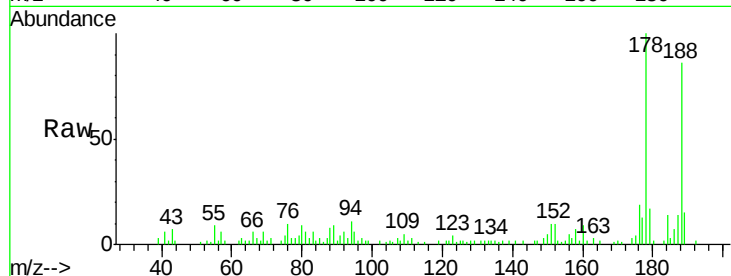
#70
Phenanthrene
Concen: 2.556 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF104076.D
Acq: 30 Mar 2018 3:32

Instrument :
BNA_F
ClientSampleId :
PB-13-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	16.8	13.0	19.6

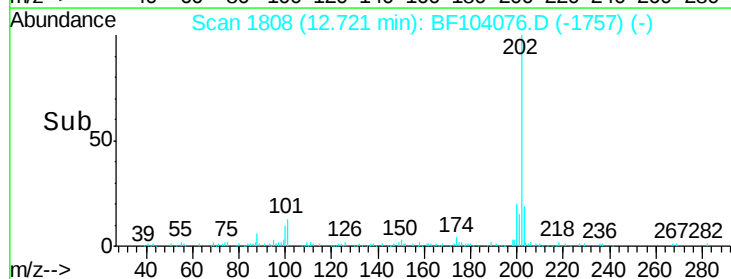
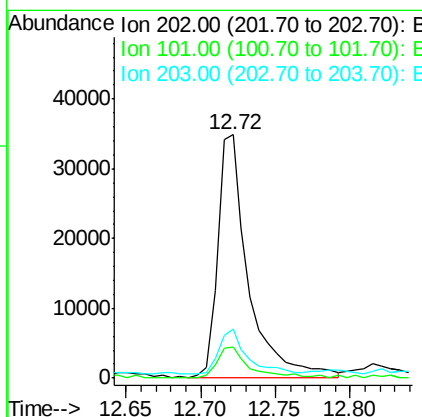
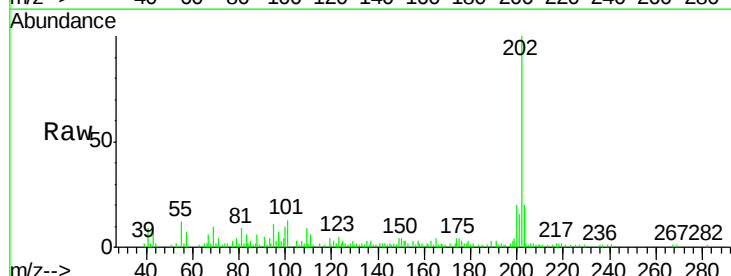
Manual Integrations
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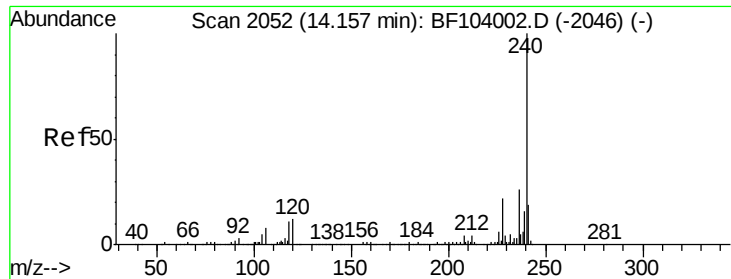
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#74
Fluoranthene
Concen: 3.628 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.00 min
Lab File: BF104076.D
Acq: 30 Mar 2018 3:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	34.1
203	20.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BF104076.D

Acq: 30 Mar 2018 3:32

Instrument :

BNA_F

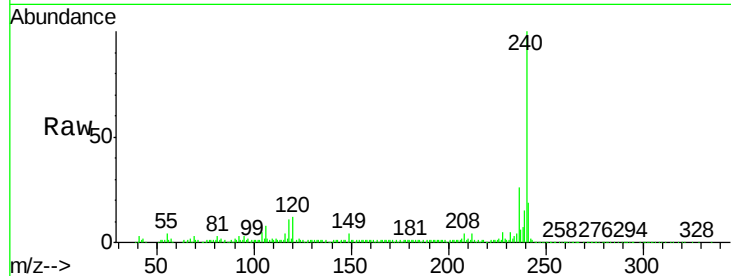
ClientSampleId :

PB-13-COMP

Tot Ion:	240	Resp:	245184
Ion Ratio	Lower	Upper	
240	100		
120	12.2	9.5	14.3
236	26.2	20.7	31.1

Manual Integrations
APPROVED

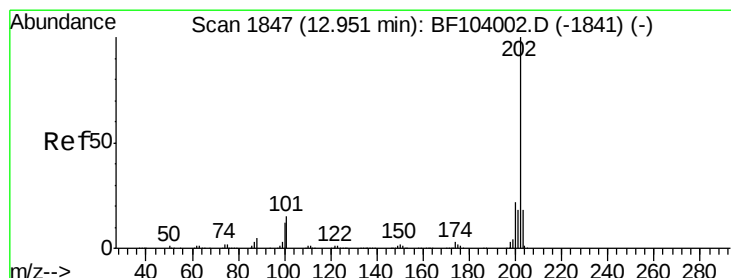
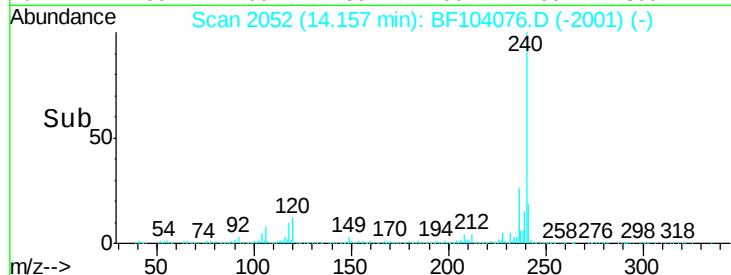
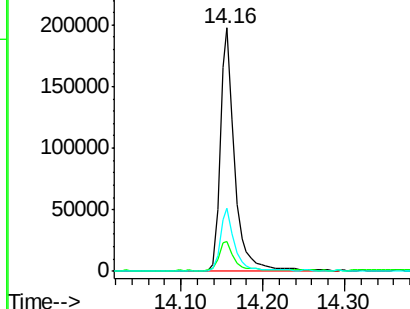
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.907 ng

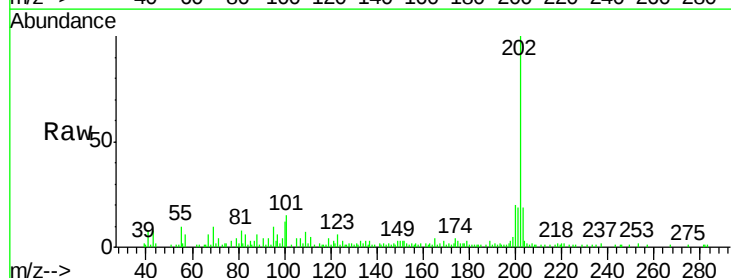
RT: 12.95 min Scan# 1847

Delta R.T. -0.00 min

Lab File: BF104076.D

Acq: 30 Mar 2018 3:32

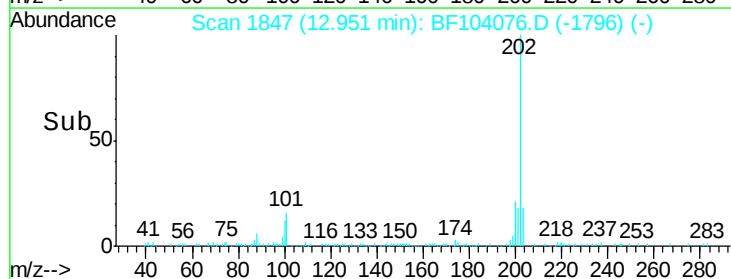
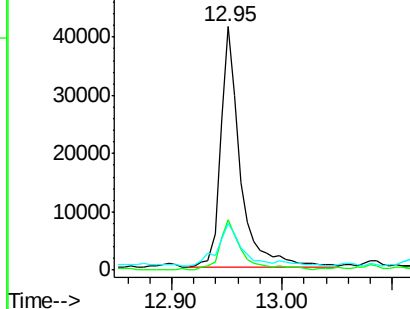
Tgt Ion:	202	Resp:	51241
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.4	26.2
203	19.2	14.3	21.5

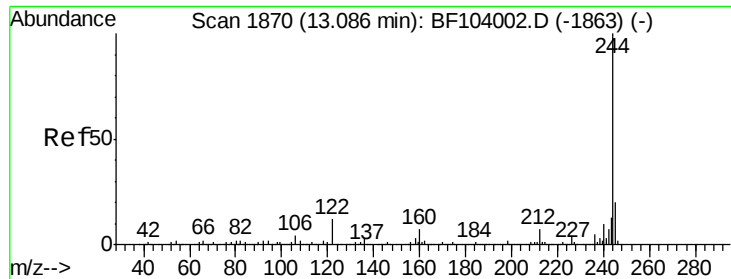


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





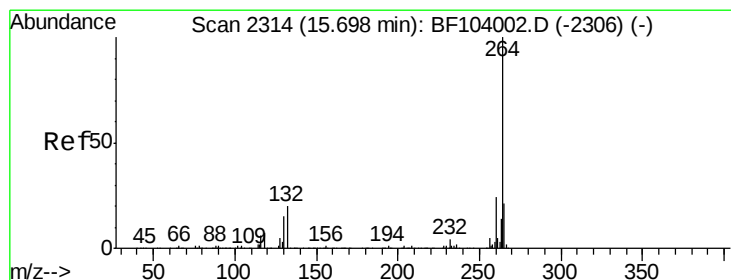
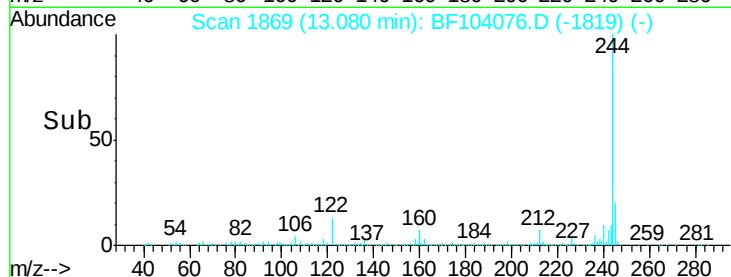
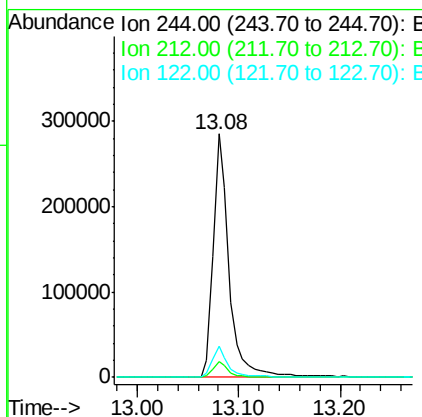
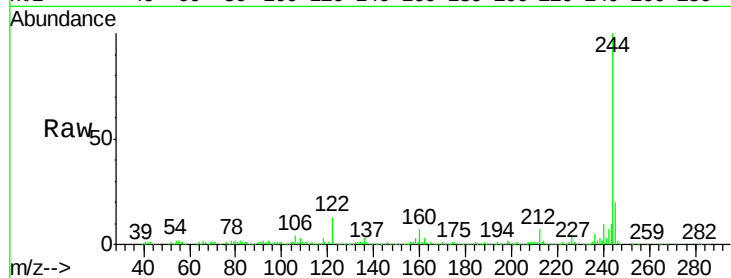
#78
 Terphenyl-d14
 Concen: 29.322 ng
 RT: 13.08 min Scan# 1869
 Delta R.T. -0.01 min
 Lab File: BF104076.D
 Acq: 30 Mar 2018 3:32

Instrument :
 BNA_F
 ClientSampleId :
 PB-13-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	13.0	11.0	16.4

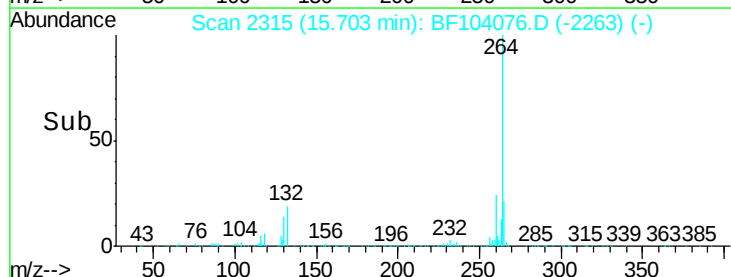
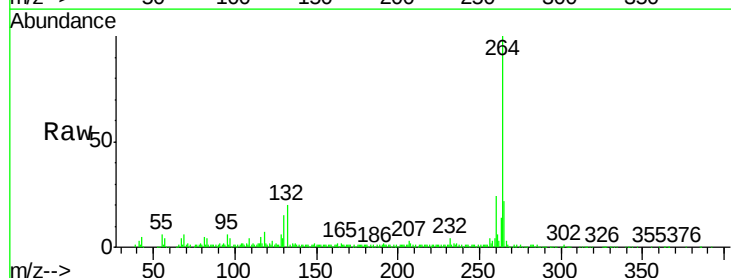
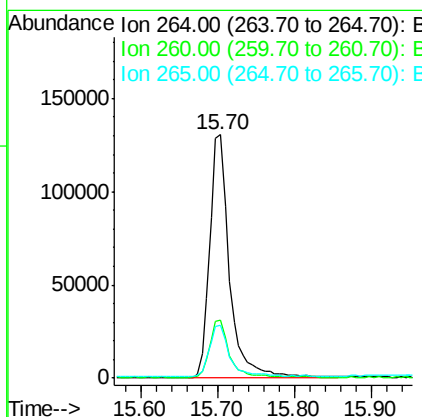
Manual Integrations
 APPROVED

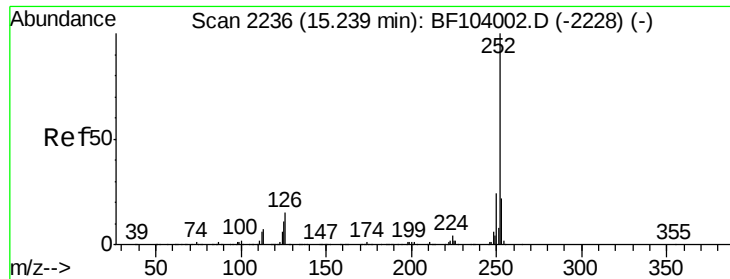
Sohil
 3/30/2018 6:03:16 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2315
 Delta R.T. 0.01 min
 Lab File: BF104076.D
 Acq: 30 Mar 2018 3:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 2.370 ng

RT: 15.24 min Scan# 2236

Delta R.T. -0.00 min

Lab File: BF104076.D

Acq: 30 Mar 2018 3:32

Instrument :

BNA_F

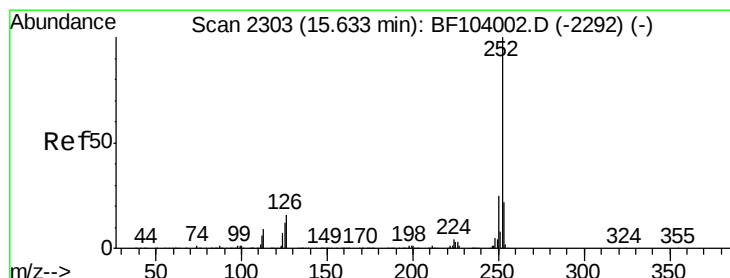
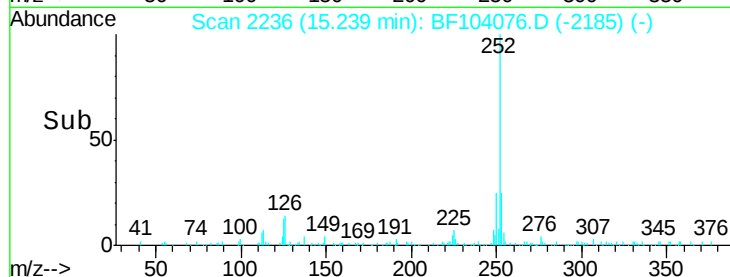
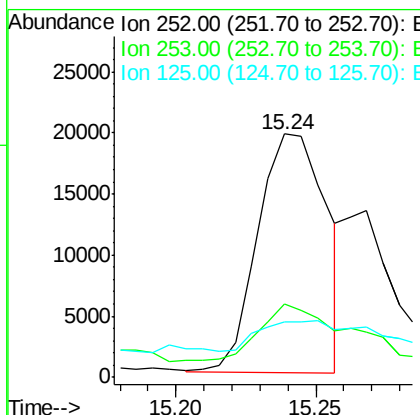
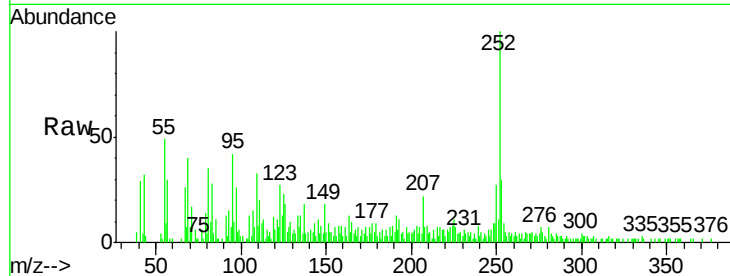
ClientSampled :

PB-13-COMP

Tot Ion:	252	Resp:	33149
Ion Ratio	Lower	Upper	
252	100		
253	30.0	17.0	25.6#
125	22.8	9.0	13.6#

Manual Integrations
APPROVED

Sohil
3/30/2018 6:03:16 PM



#89

Benzo(a)pyrene

Concen: 2.203 ng

RT: 15.63 min Scan# 2303

Delta R.T. -0.00 min

Lab File: BF104076.D

Acq: 30 Mar 2018 3:32

Tgt Ion:	252	Resp:	28560
Ion Ratio	Lower	Upper	
252	100		
253	26.3	17.1	25.7#
125	21.7	9.8	14.6#

