

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030118\
 Data File : BF103328.D
 Acq On : 1 Mar 2018 11:29
 Operator : SJ/JU
 Sample : J1710-04 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-201

Manual Integrations
 APPROVED

Sohil
 3/2/2018 3:30:18 PM

Quant Time: Mar 01 18:17:19 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	146271	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	618017	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	271659	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	486197	20.00	ng	0.00
75) Chrysene-d12	14.06	240	257924	20.00	ng	0.00
86) Perylene-d12	15.56	264	247785	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	264067	27.30	ng	0.00
7) Phenol-d6	6.50	99	328723	27.78	ng	0.00
23) Nitrobenzene-d5	7.43	82	184992	17.09	ng	-0.01
41) 2,4,6-Tribromophenol	10.71	330	54574	23.73	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	303161	14.21	ng	0.00
78) Terphenyl-d14	12.99	244	236779	22.07	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	11.43	178	389986	14.575	ng	99
71) Anthracene	11.48	178	97788	3.564	ng	100
74) Fluoranthene	12.62	202	376215	13.992	ng	98
77) Pyrene	12.85	202	363647	18.083	ng	99
80) Benzo(a)anthracene	14.04	228	117818	7.040	ng	99
82) Chrysene	14.08	228	104219	6.414	ng	98
85) Indeno(1,2,3-cd)pyrene	17.08	276	50873	3.955	ng	94
87) Benzo(b)fluoranthene	15.12	252	105304m	6.464	ng	
88) Benzo(k)fluoranthene	15.14	252	40194m	2.620	ng	
89) Benzo(a)pyrene	15.49	252	84854	5.833	ng	# 92
91) Benzo(g,h,i)perylene	17.55	276	56517	5.144	ng	95

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

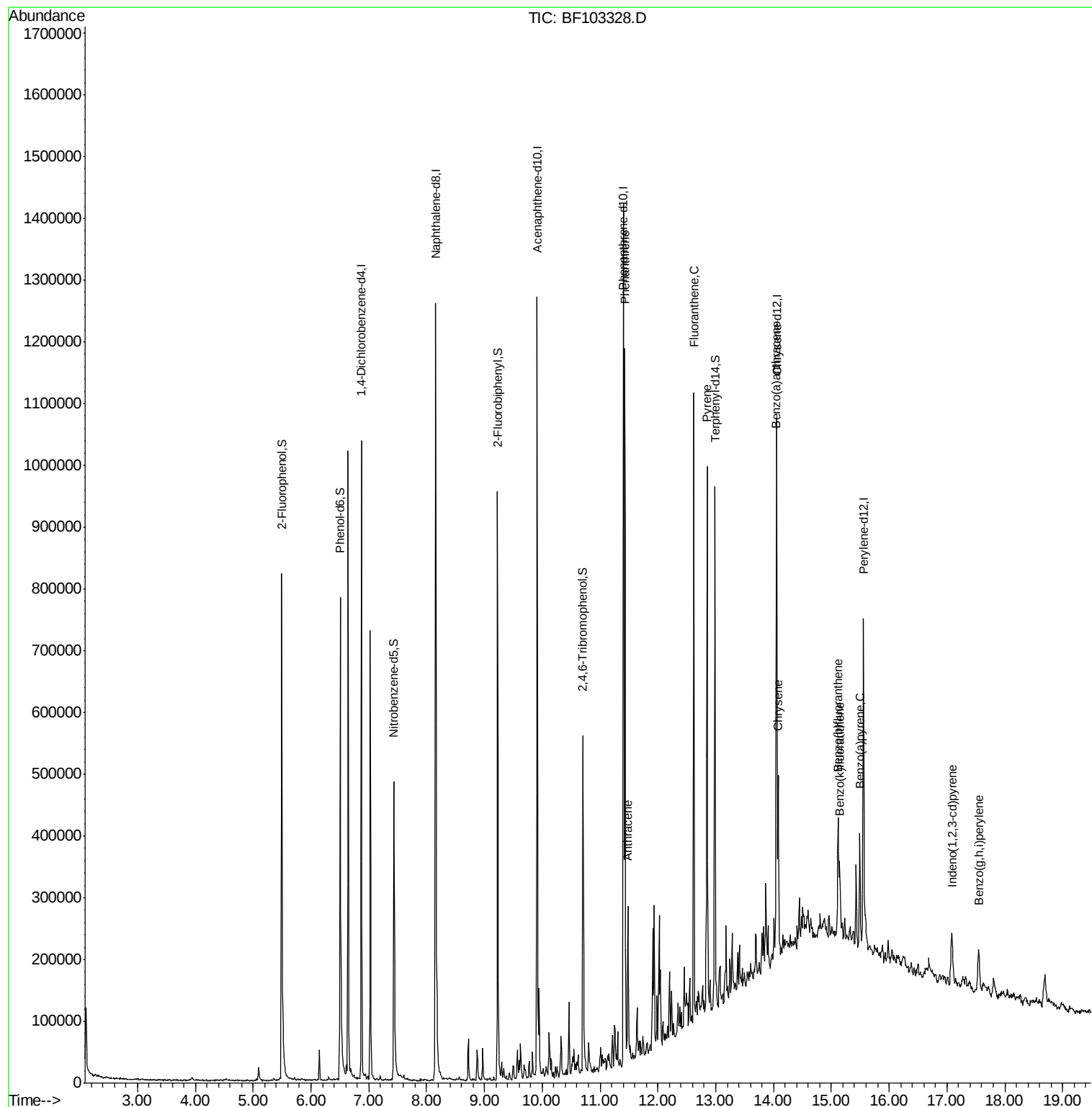
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030118\
Data File : BF103328.D
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RO-201

Manual Integrations
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3/2/2018 3:30:18 PM

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
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Response via : Initial Calibration





#1

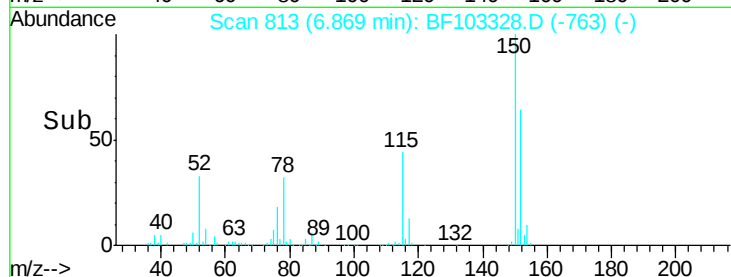
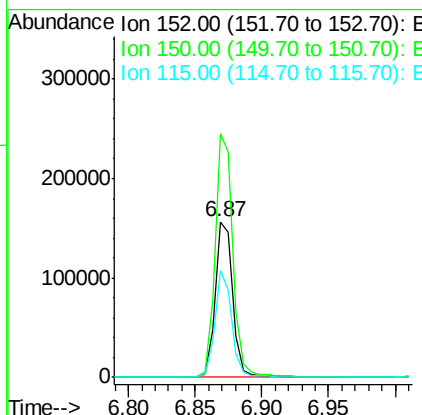
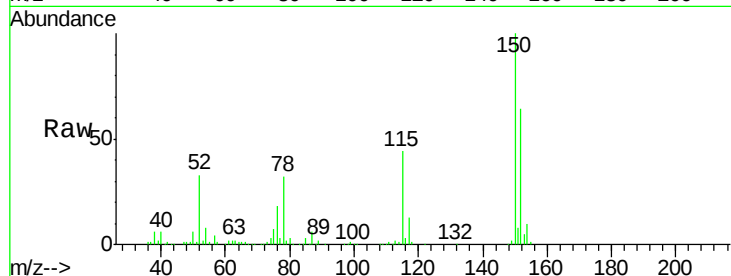
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.01 min
Lab File: BF103328.D
Acq: 1 Mar 2018 11:29

Instrument :
BNA_F
ClientSampled :
RO-201

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	68.4	50.1	75.1

Manual Integrations
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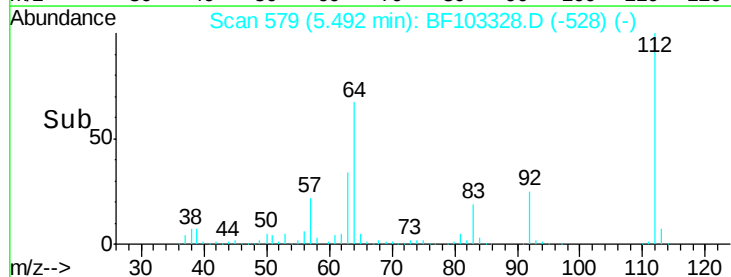
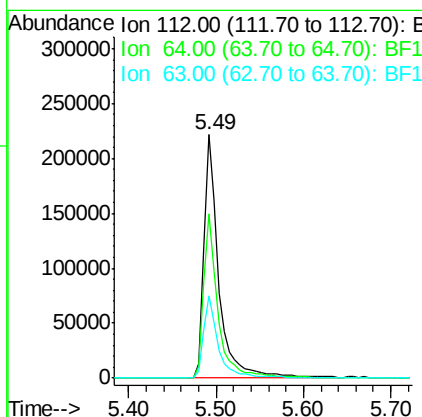
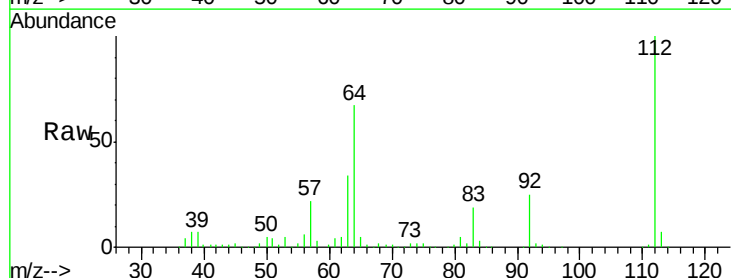
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#5

2-Fluorophenol
Concen: 27.304 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF103328.D
Acq: 1 Mar 2018 11:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.2	47.9	71.9
63	34.1	23.7	35.5





#7

Phenol-d6

Concen: 27.777 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

Instrument :

BNA_F

ClientSampled :

RO-201

Tot Ion: 99 Resp: 328723

Ion Ratio Lower Upper

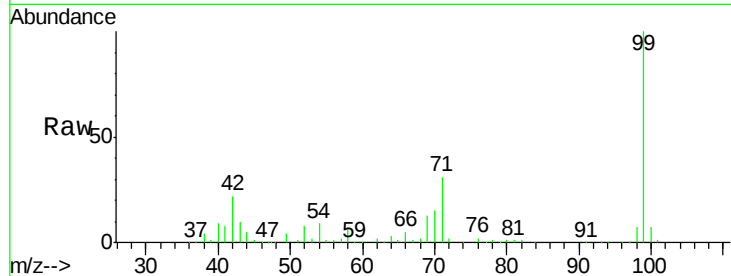
99 100

42 22.0 14.5 21.7#

71 30.9 25.4 38.0

Manual Integrations
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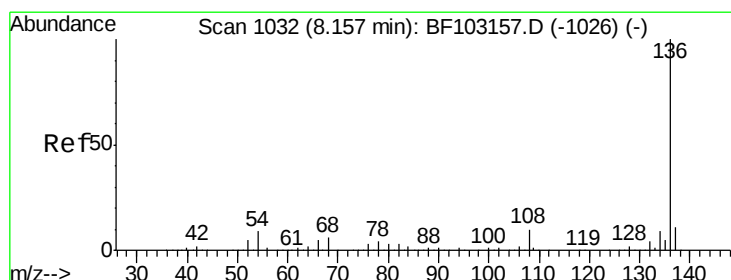
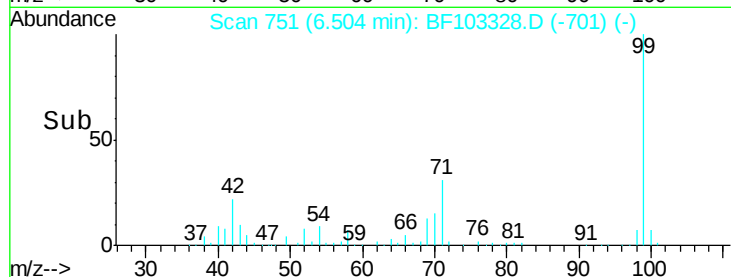
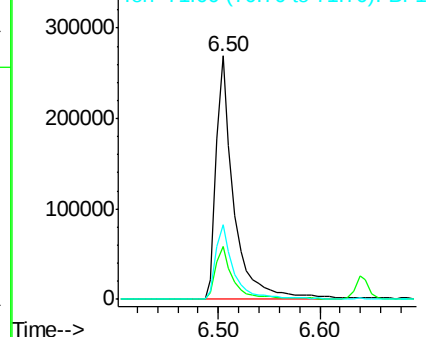
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

Tgt Ion: 136 Resp: 618017

Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 9.1 6.6 9.8

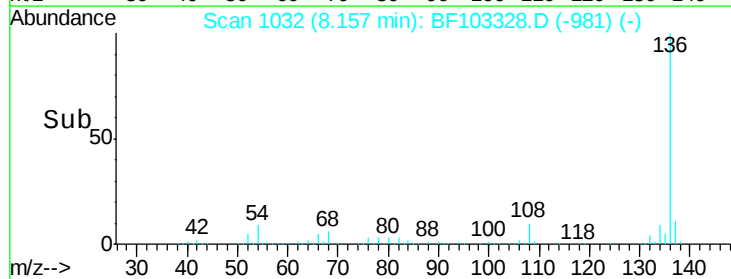
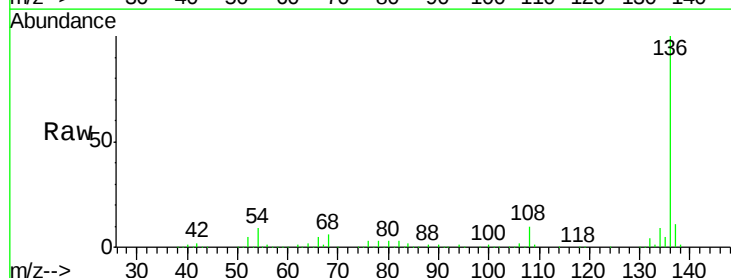
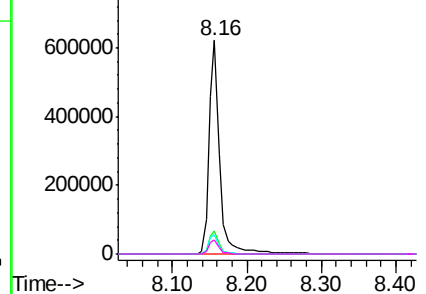
68 6.4 5.0 7.4

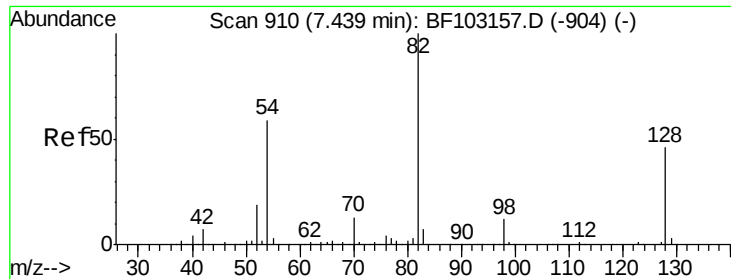
Abundance Ion 136.00 (135.70 to 136.70): E

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





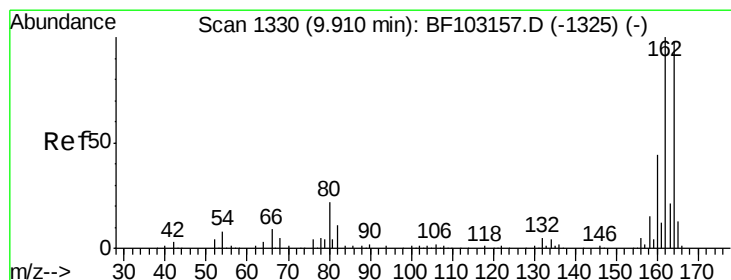
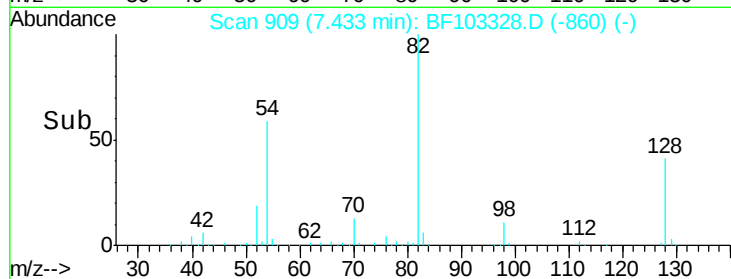
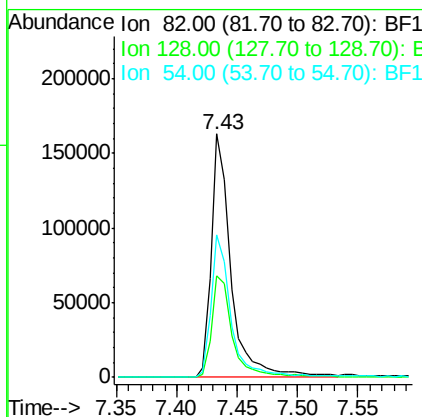
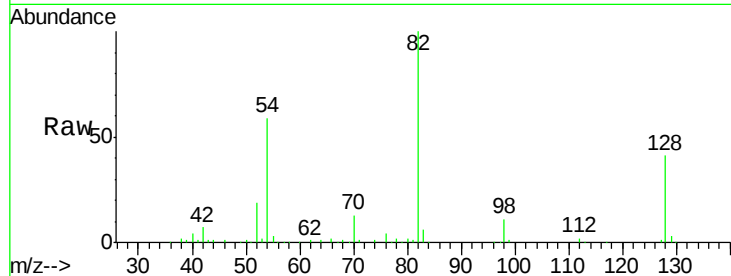
#23
 Nitrobenzene-d5
 Concen: 17.094 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF103328.D
 Acq: 1 Mar 2018 11:29

Instrument :
 BNA_F
 ClientSampled :
 RO-201

Tot Ion	Ratio	Resp	Lower	Upper
82	100	184992		
128	41.5	36.1	54.1	
54	58.5	41.4	62.2	

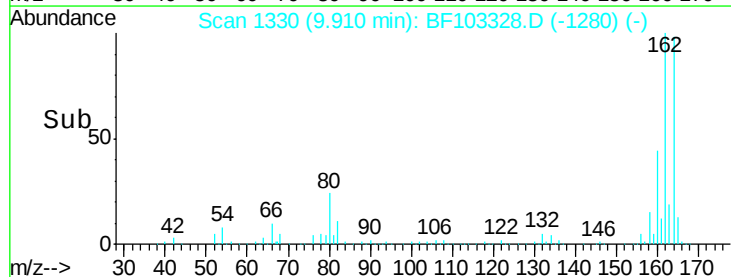
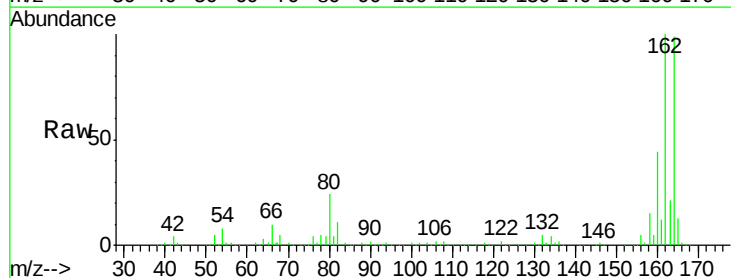
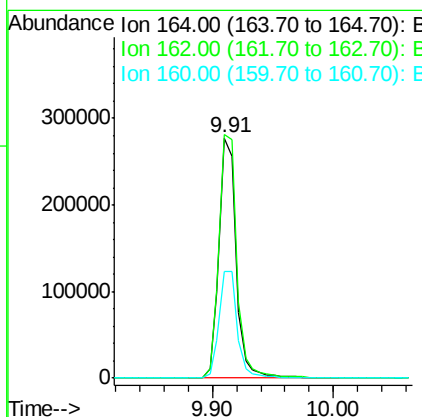
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF103328.D
 Acq: 1 Mar 2018 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	271659		
162	101.5	86.1	129.1	
160	44.5	38.3	57.5	





#41

2,4,6-Tribromophenol

Concen: 23.734 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

Instrument :

BNA_F

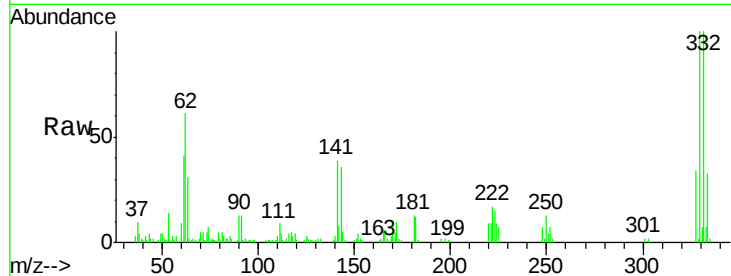
ClientSampled :

RO-201

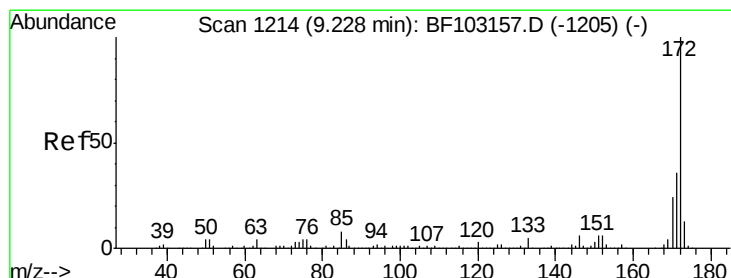
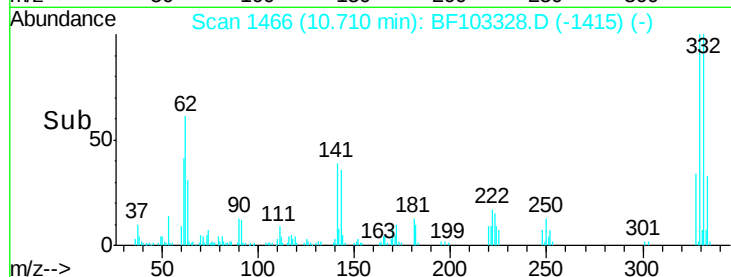
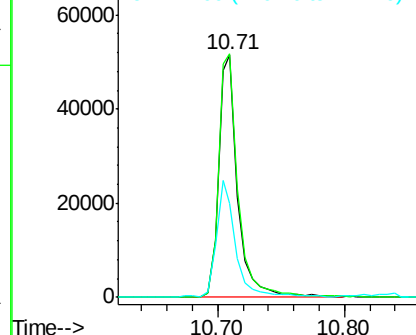
Tot Ion	Ratio	Lower	Upper
330	100		
332	103.7	77.0	115.6
141	49.3	29.9	44.9

Manual Integrations
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 14.207 ng

RT: 9.23 min Scan# 1214

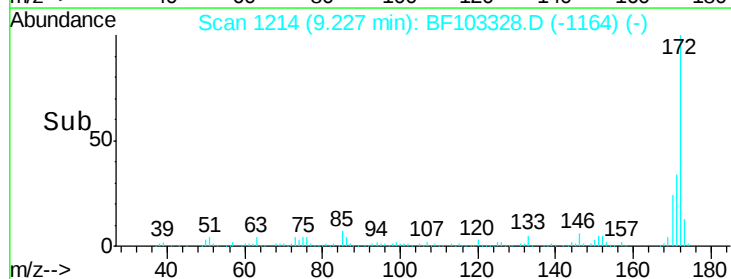
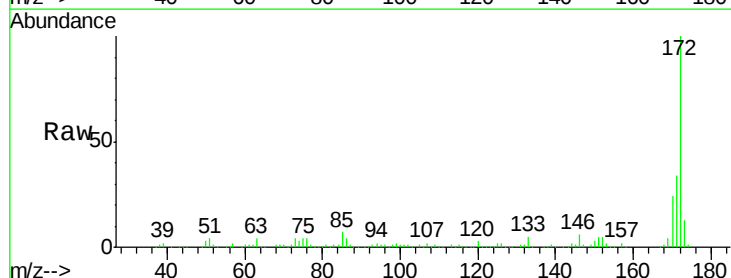
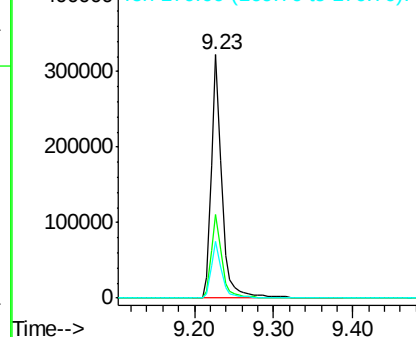
Delta R.T. -0.01 min

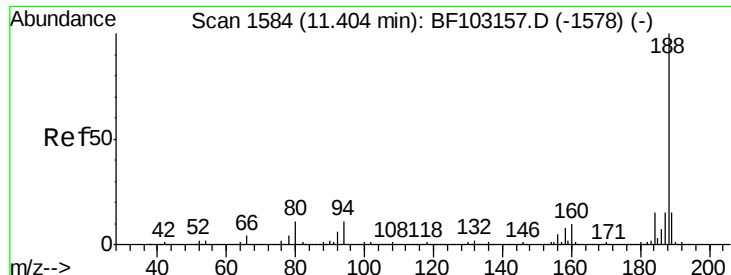
Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.7	44.5
170	23.6	19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

Instrument :

BNA_F

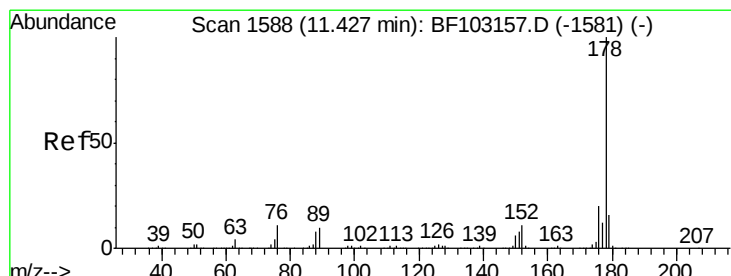
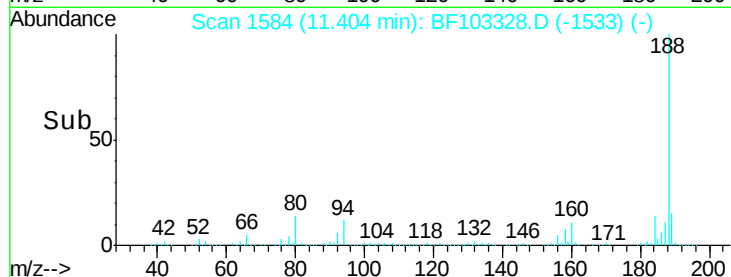
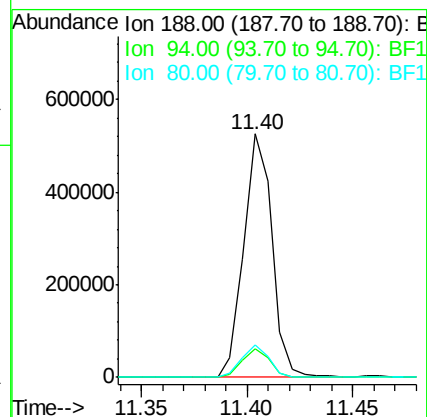
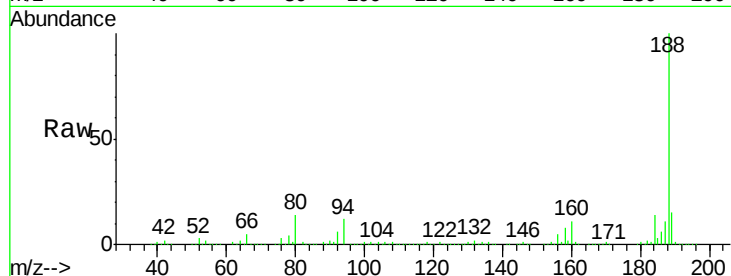
ClientSampled :

RO-201

Tot Ion:	188	Resp:	486197
Ion Ratio		Lower	Upper
188	100		
94	11.9	8.5	12.7
80	13.6	9.2	13.8

Manual Integrations
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#70

Phenanthrene

Concen: 14.575 ng

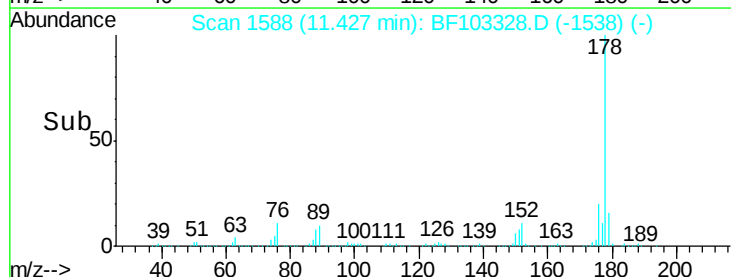
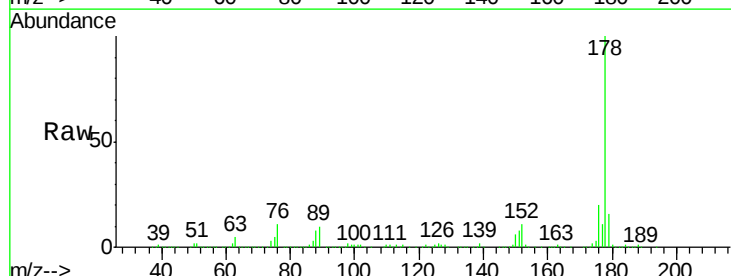
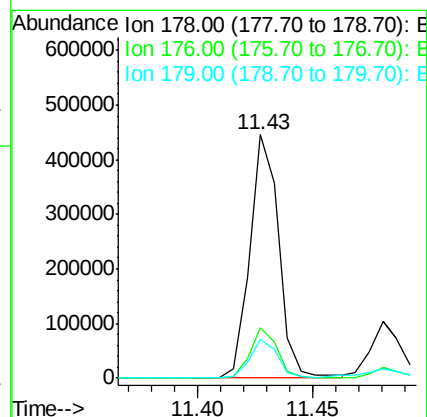
RT: 11.43 min Scan# 1588

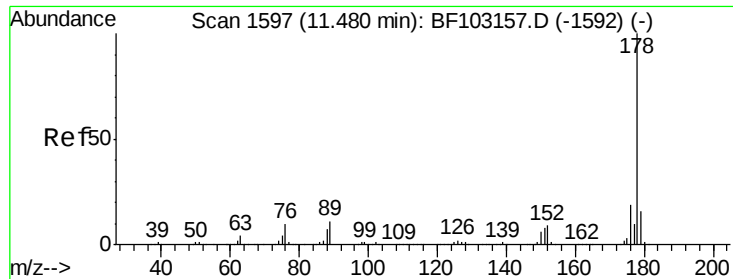
Delta R.T. -0.01 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

Tgt Ion:	178	Resp:	389986
Ion Ratio		Lower	Upper
178	100		
176	20.5	15.8	23.8
179	16.1	13.0	19.6





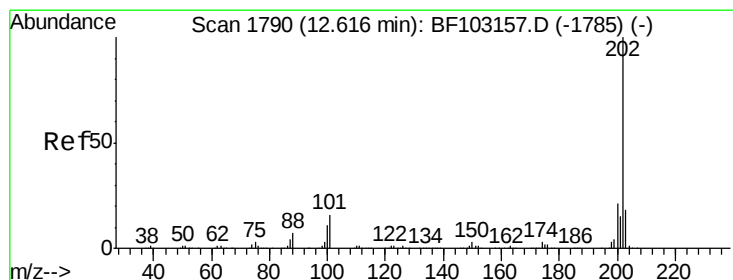
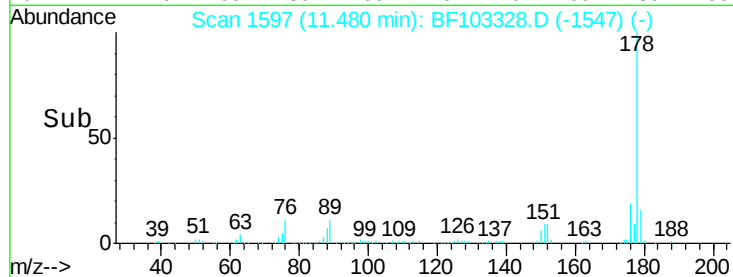
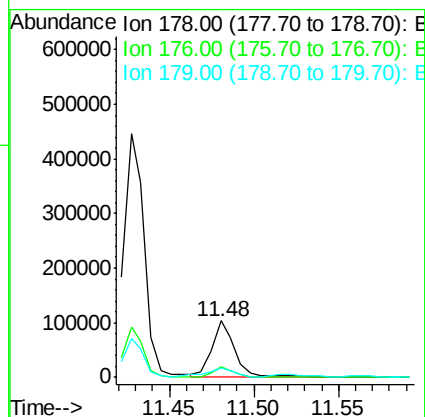
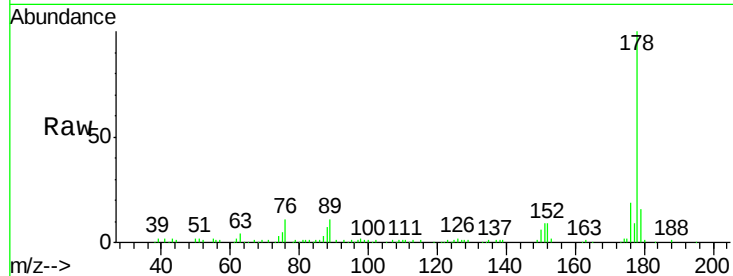
#71
 Anthracene
 Concen: 3.564 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF103328.D
 Acq: 1 Mar 2018 11:29

Instrument :
 BNA_F
 ClientSampleId :
 RO-201

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100		97788		
176	19.3	15.4	23.2		
179	16.1	12.6	19.0		

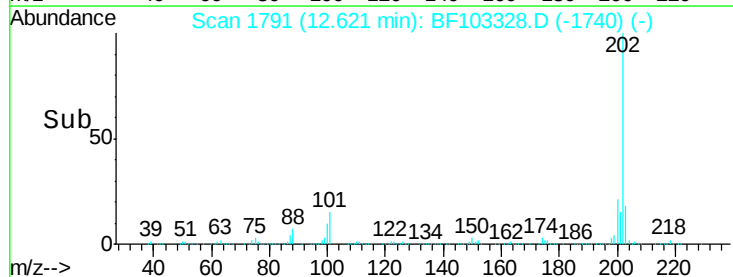
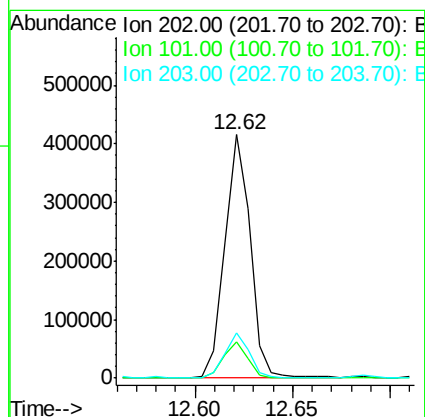
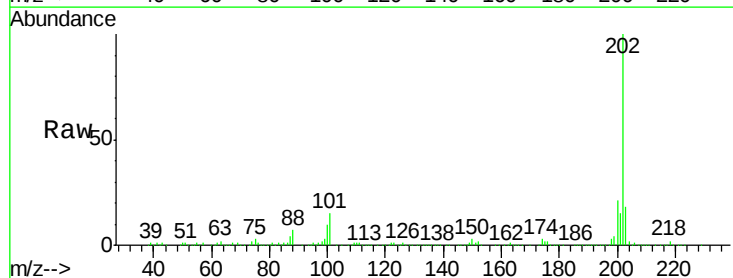
Manual Integrations
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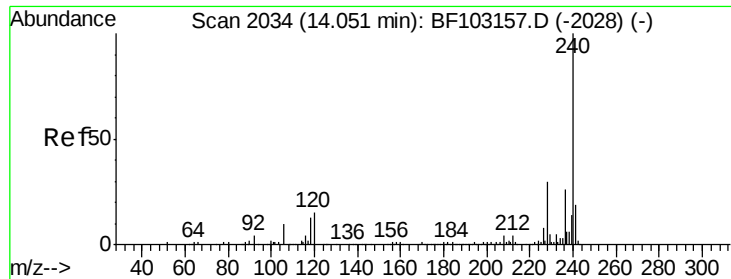
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#74
 Fluoranthene
 Concen: 13.992 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: BF103328.D
 Acq: 1 Mar 2018 11:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		376215		
101	15.1	0.0	34.1		
203	18.4	0.0	38.1		





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

Instrument :

BNA_F

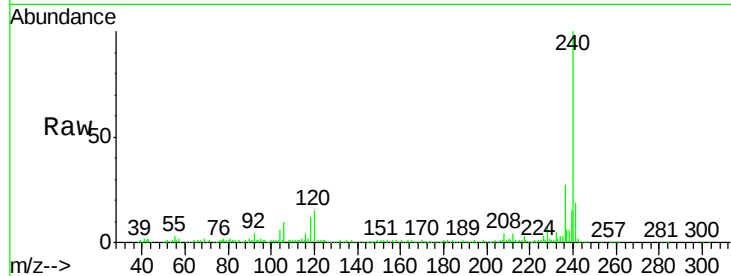
ClientSampled :

RO-201

Tot Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	14.7	9.5	14.3#		
236	26.7	20.7	31.1		

Manual Integrations
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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

14.06

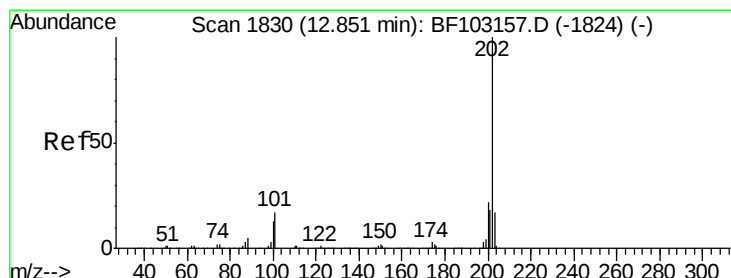
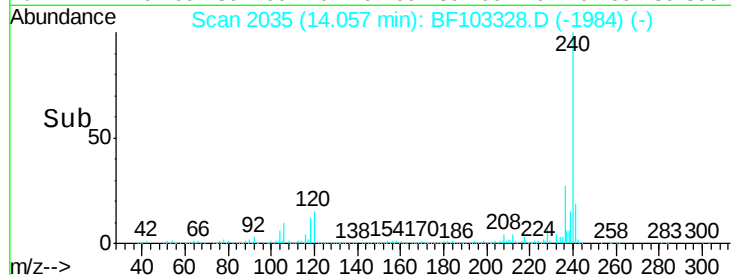
300000

200000

100000

0

Time-->



#77

Pyrene

Concen: 18.083 ng

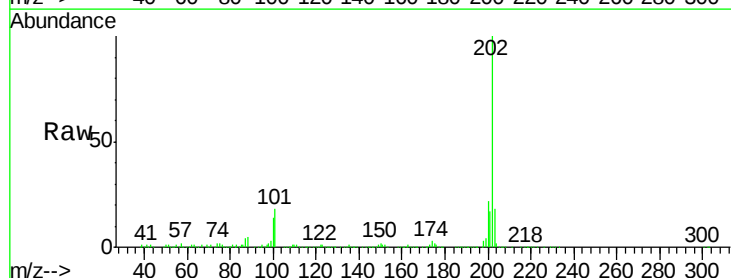
RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	22.3	17.4	26.2		
203	18.0	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

12.85

500000

400000

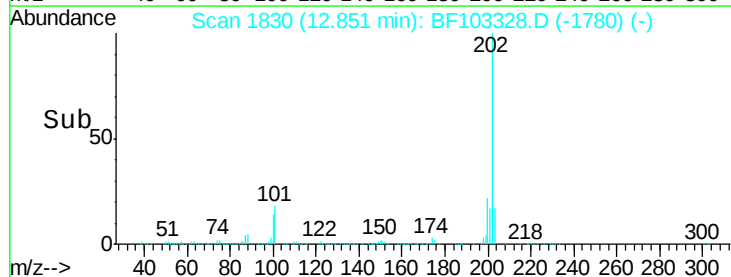
300000

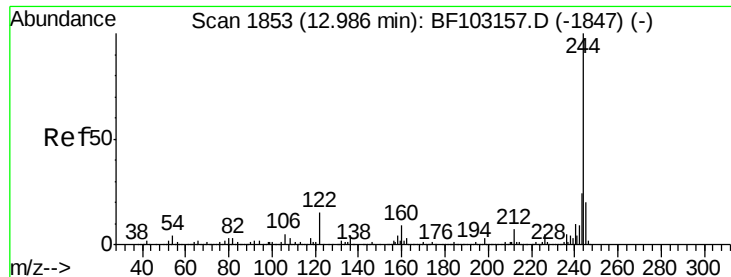
200000

100000

0

Time-->





#78

Terphenyl-d14

Concen: 22.068 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

Instrument :

BNA_F

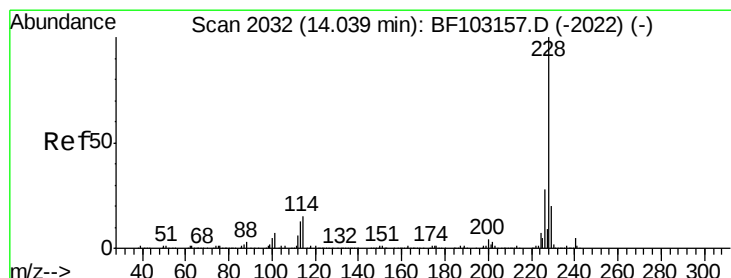
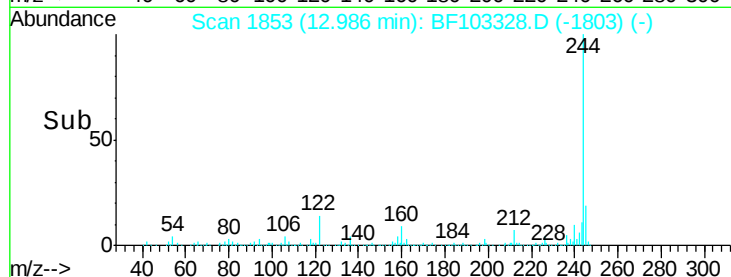
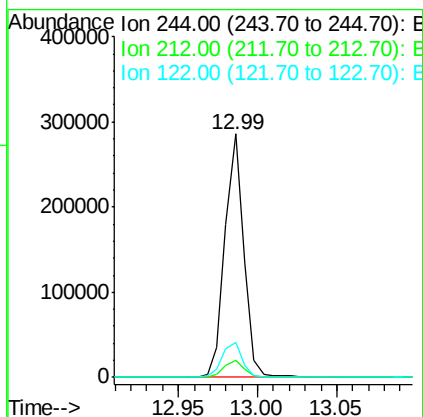
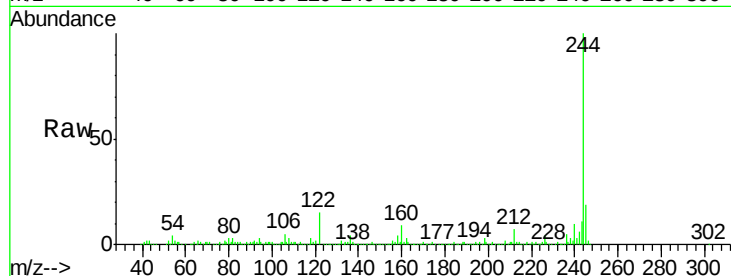
ClientSampleId :

RO-201

Tot Ion:	244	Resp:	236779
Ion Ratio		Lower	Upper
244	100		
212	7.0	5.4	8.0
122	14.6	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 7.040 ng

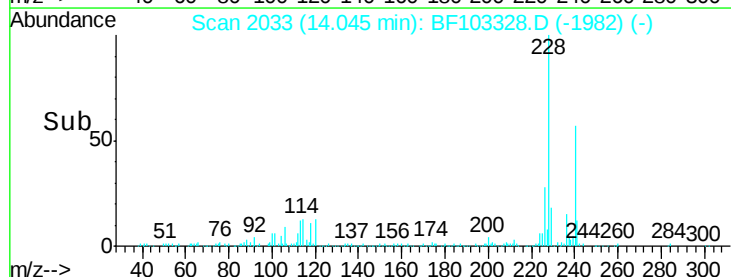
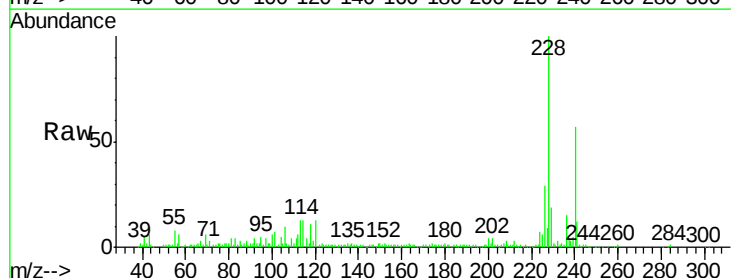
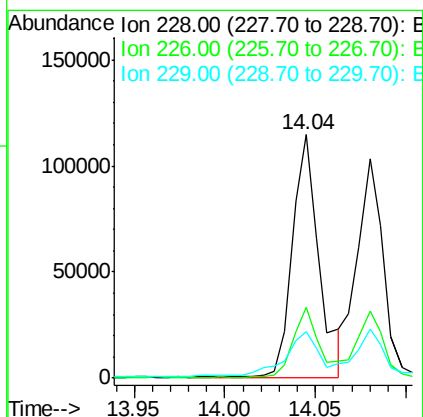
RT: 14.04 min Scan# 2033

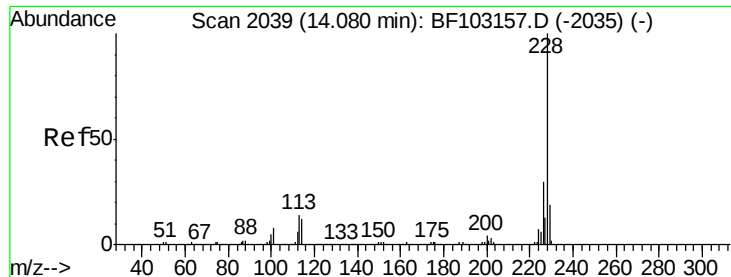
Delta R.T. -0.00 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

Tgt Ion:	228	Resp:	117818
Ion Ratio		Lower	Upper
228	100		
226	29.0	22.6	33.8
229	19.2	15.8	23.6





#82

Chrysene

Concen: 6.414 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

Instrument :

BNA_F

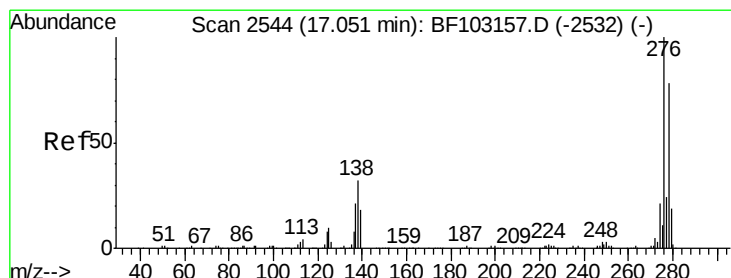
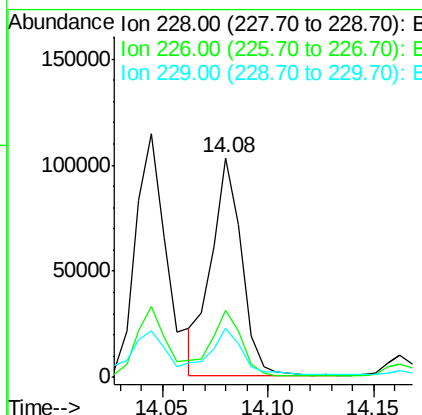
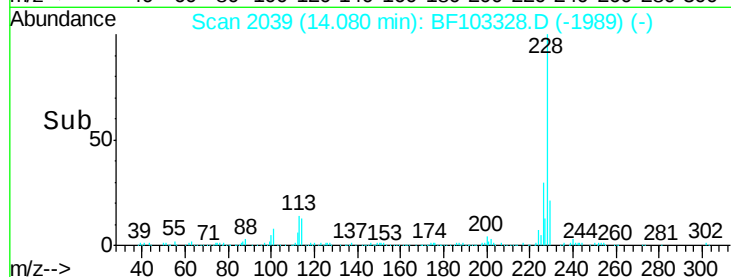
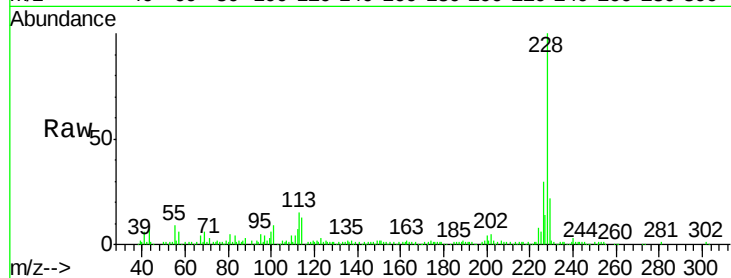
ClientSampled :

RO-201

Tot Ion:	228	Resp:	104219
Ion Ratio		Lower	Upper
228	100		
226	30.5	25.0	37.6
229	22.2	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.955 ng

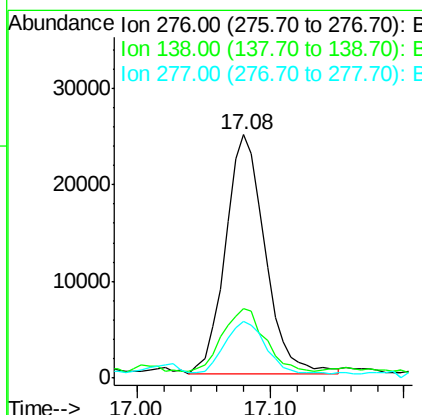
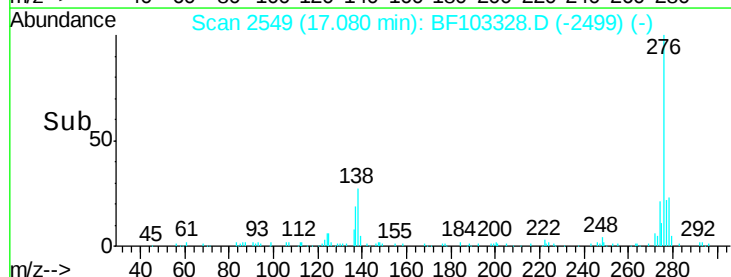
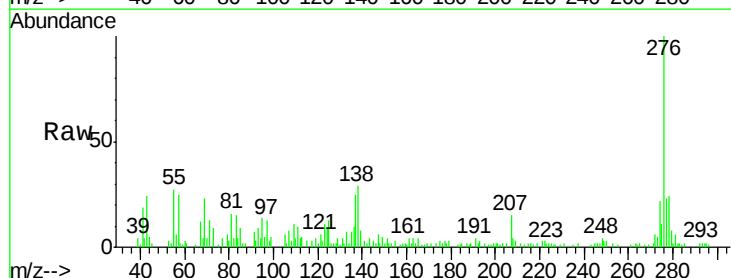
RT: 17.08 min Scan# 2549

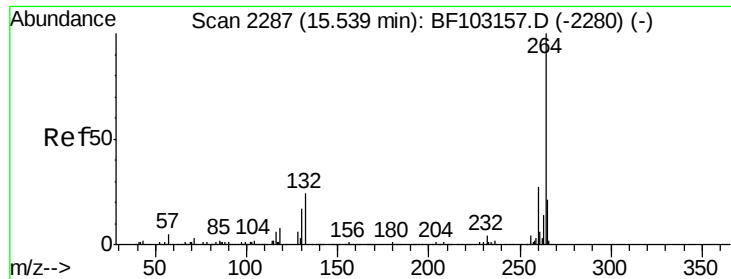
Delta R.T. -0.01 min

Lab File: BF103328.D

Acq: 1 Mar 2018 11:29

Tgt Ion:	276	Resp:	50873
Ion Ratio		Lower	Upper
276	100		
138	28.1	25.0	37.6
277	22.4	20.1	30.1





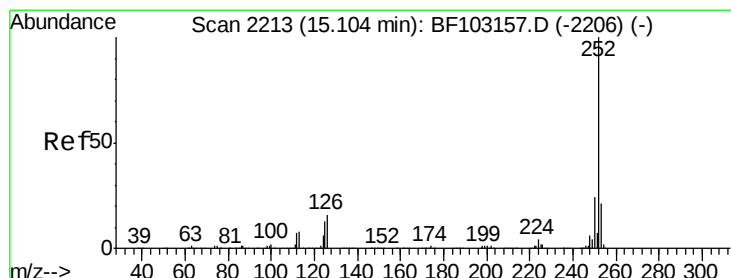
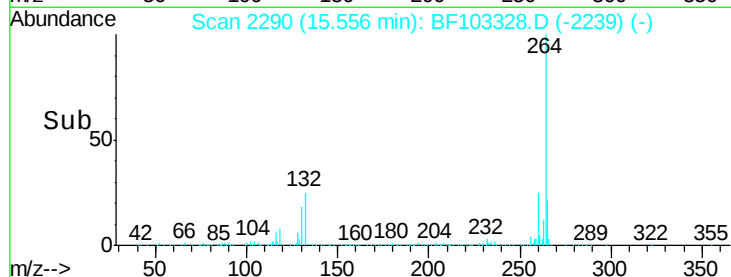
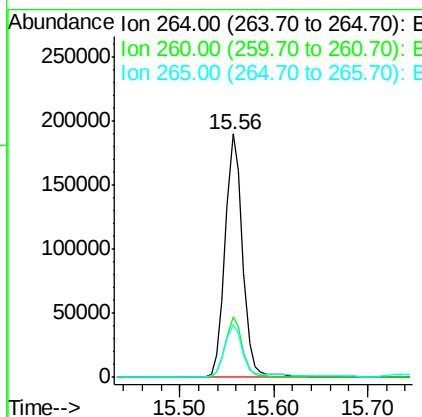
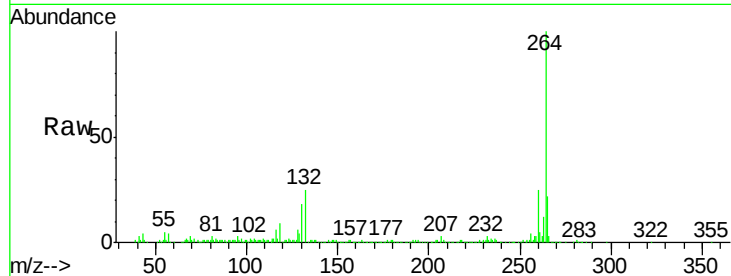
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.00 min
Lab File: BF103328.D
Acq: 1 Mar 2018 11:29

Instrument :
BNA_F
ClientSampled :
RO-201

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	21.6	17.5	26.3

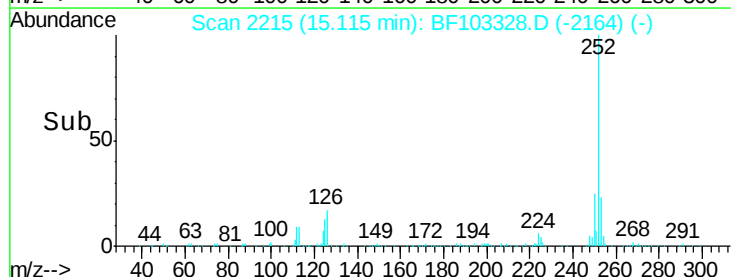
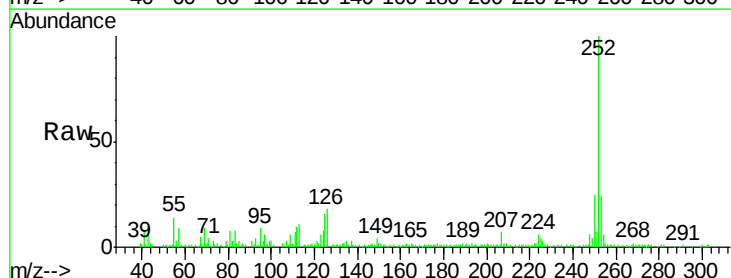
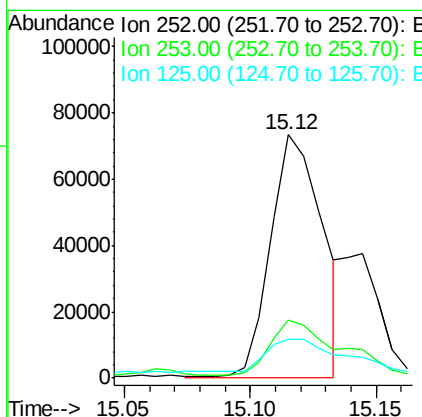
Manual Integrations
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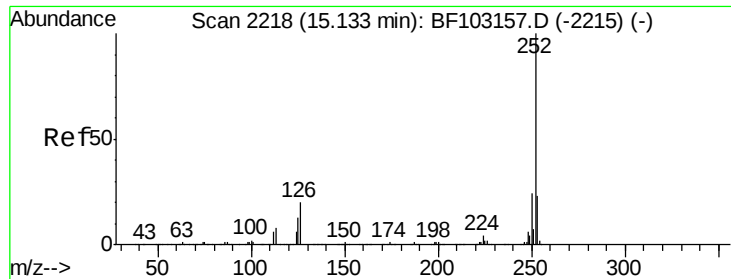
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#87
Benzo(b)fluoranthene
Concen: 6.464 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BF103328.D
Acq: 1 Mar 2018 11:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	15.8	9.0	13.6





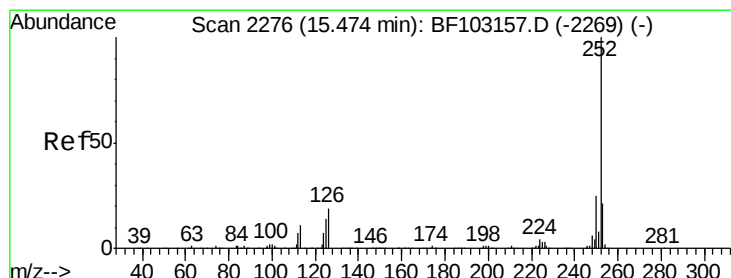
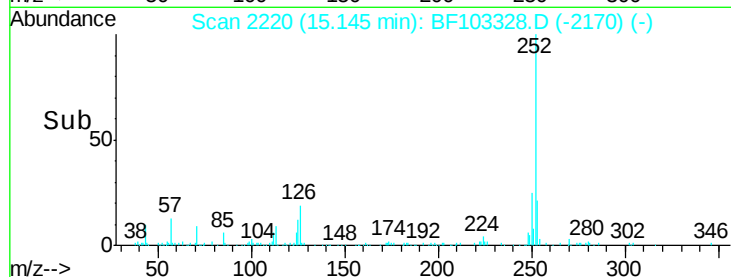
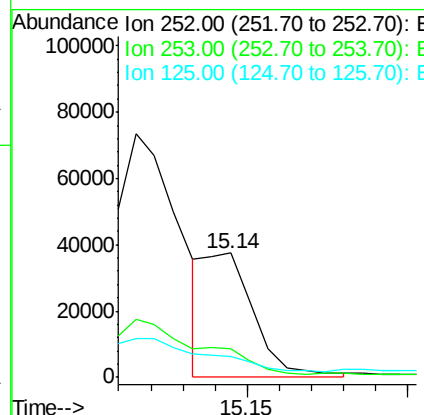
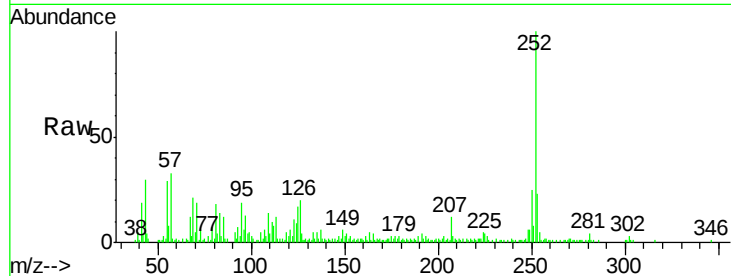
#88
Benzo(k)fluoranthene
Concen: 2.620 ng m
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF103328.D
Acq: 1 Mar 2018 11:29

Instrument :
BNA_F
ClientSampled :
RO-201

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	17.2	10.2	15.2

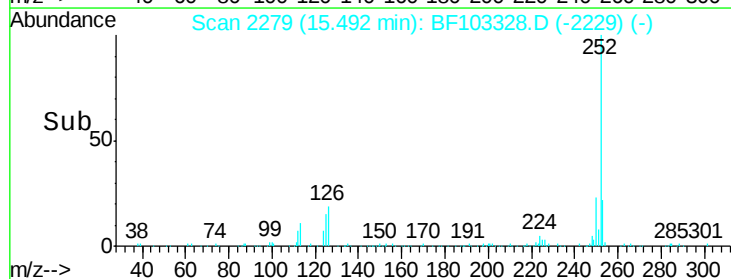
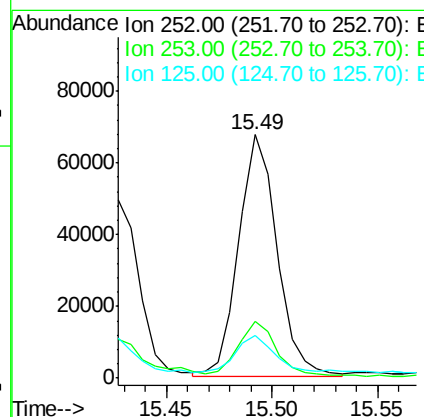
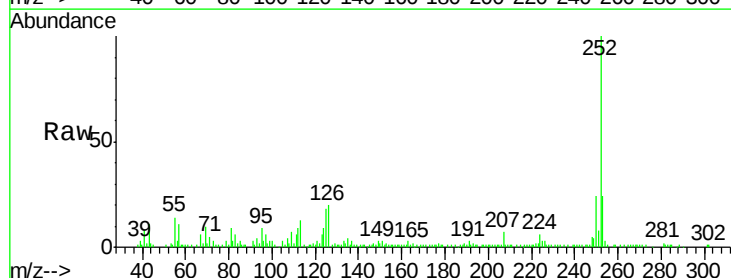
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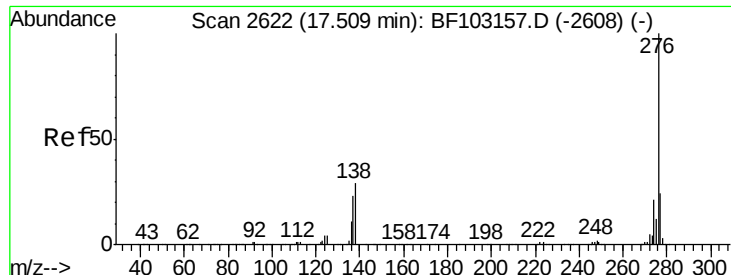
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#89
Benzo(a)pyrene
Concen: 5.833 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF103328.D
Acq: 1 Mar 2018 11:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	17.6	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 5.144 ng
 RT: 17.55 min Scan# 2629
 Delta R.T. 0.01 min
 Lab File: BF103328.D
 Acq: 1 Mar 2018 11:29

Instrument :
 BNA_F
 ClientSampleId :
 RO-201

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.9	26.9
138	29.2	21.8	32.8

Manual Integrations
 APPROVED

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 3/2/2018 3:30:18 PM

