

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\
 Data File : BF102881.D
 Acq On : 9 Feb 2018 11:50
 Operator : SJ/JU
 Sample : J1485-01 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-201

Manual Integrations
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Sohil
 2/13/2018 4:35:14 AM

Quant Time: Feb 09 14:34:21 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	163219	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	679649	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	290515	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	448337	20.00	ng	0.00
75) Chrysene-d12	14.06	240	285560	20.00	ng	0.00
86) Perylene-d12	15.55	264	323657	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	559717	52.08	ng	0.00
7) Phenol-d6	6.50	99	654681	50.59	ng	0.00
23) Nitrobenzene-d5	7.45	82	443140	45.23	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	117906	50.42	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	627264	35.83	ng	0.00
78) Terphenyl-d14	13.00	244	394357	32.70	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.19	128	167722	5.051	ng	99
37) 2-Methylnaphthalene	8.88	142	68637	3.157	ng	99
49) Dimethylphthalate	9.63	163	66500	2.936	ng	98
51) Acenaphthene	9.96	154	82392	4.605	ng	97
54) Dibenzofuran	10.13	168	74227	2.944	ng	96
57) Fluorene	10.47	166	82046	4.472	ng	99
70) Phenanthrene	11.44	178	450772	18.053	ng	98
71) Anthracene	11.49	178	99071	3.901	ng	99
72) Carbazole	11.64	167	49944	2.007	ng	97
74) Fluoranthene	12.63	202	436019	17.356	ng	99
77) Pyrene	12.86	202	401833	17.945	ng	100
79) Butylbenzylphthalate	13.47	149	19461	2.803	ng	# 81
80) Benzo(a)anthracene	14.04	228	184762	10.288	ng	98
82) Chrysene	14.08	228	170101	9.396	ng	97
83) Bis(2-ethylhexyl)phthalate	14.03	149	127498	9.295	ng	98
85) Indeno(1,2,3-cd)pyrene	17.05	276	112910	7.520	ng	95
87) Benzo(b)fluoranthene	15.11	252	285899m	13.625	ng	
88) Benzo(k)fluoranthene	15.13	252	76693m	3.825	ng	
89) Benzo(a)pyrene	15.48	252	183038	9.691	ng	# 89
91) Benzo(a,h,i)perylene	17.51	276	112246	7.480	ng	95

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

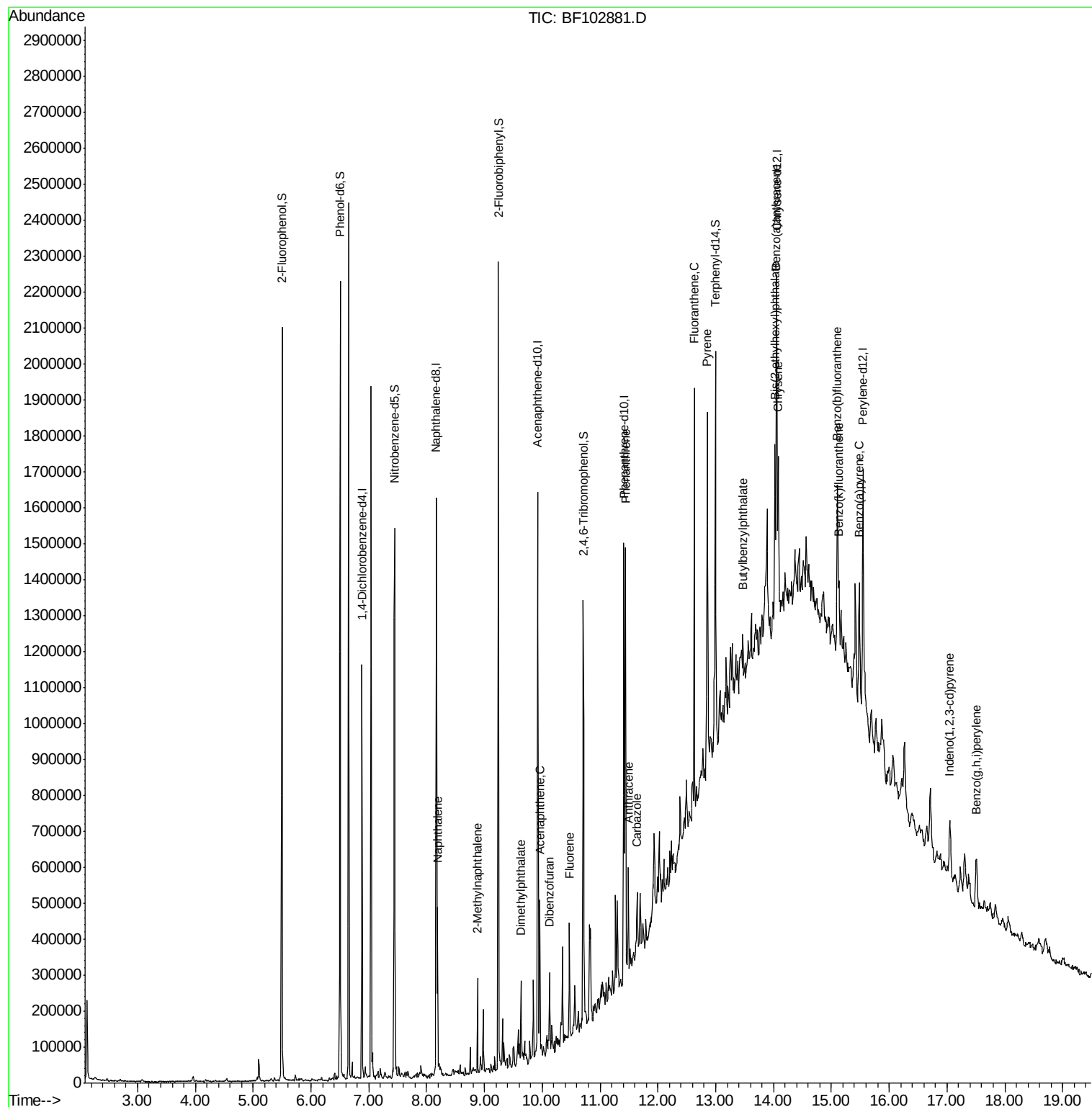
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\
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ALS Vial : 7 Sample Multiplier: 1

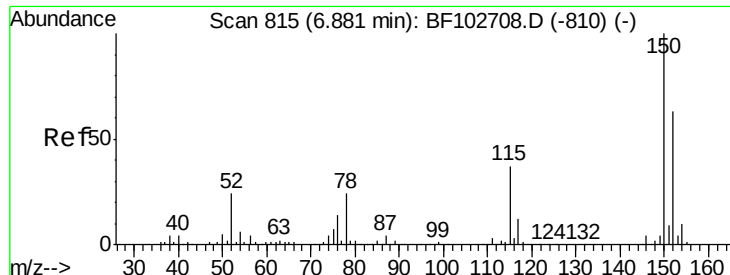
Instrument :
BNA_F
ClientSampled :
RO-201

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#1

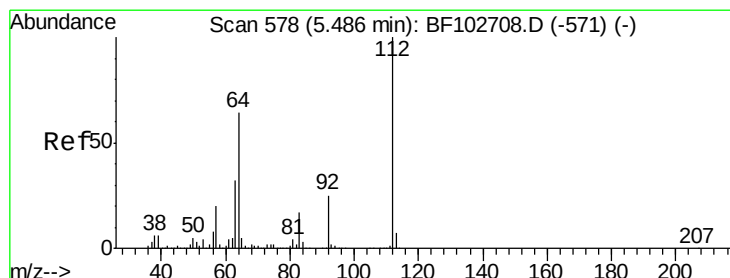
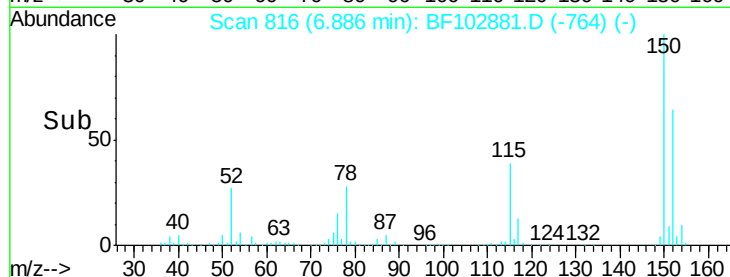
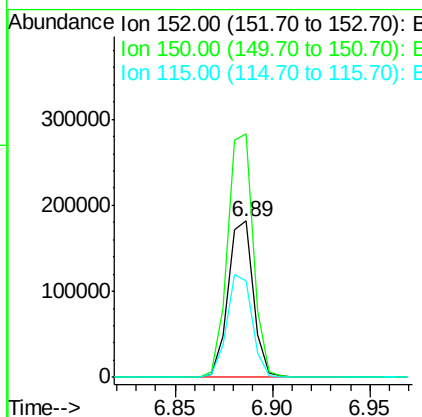
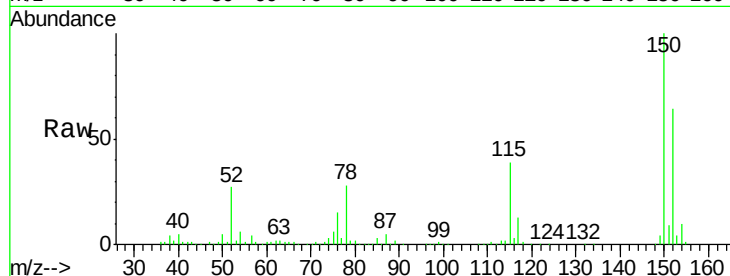
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102881.D
Acq: 9 Feb 2018 11:50

Instrument :
BNA_F
ClientSampleId :
RO-201

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	61.3	50.1	75.1

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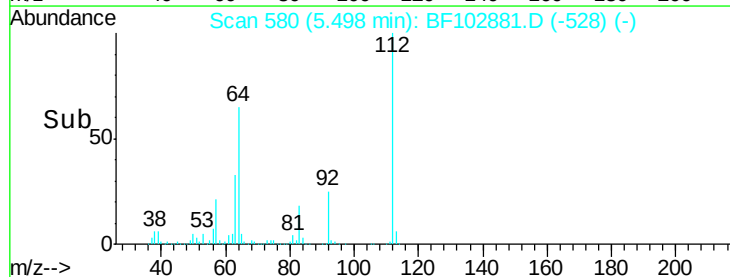
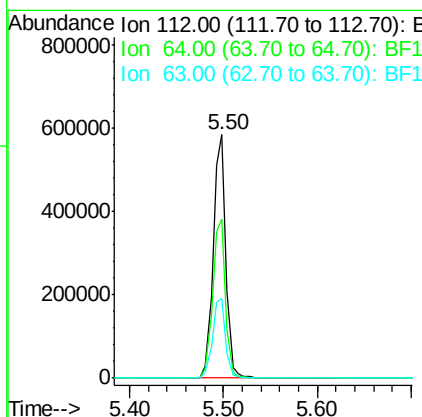
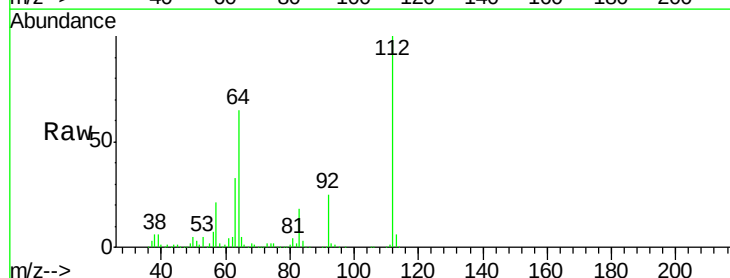
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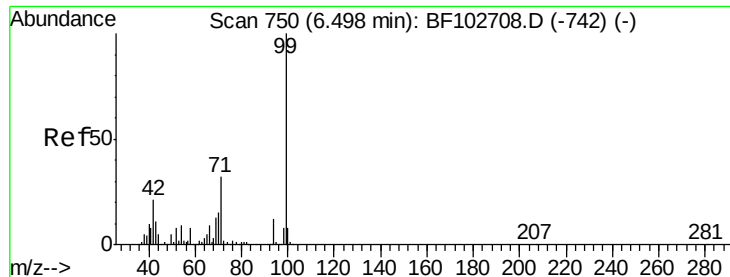


#5

2-Fluorophenol
Concen: 52.079 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102881.D
Acq: 9 Feb 2018 11:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.4	47.9	71.9
63	32.9	23.7	35.5





#7

Phenol-d6

Concen: 50.591 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF102881.D

Acq: 9 Feb 2018 11:50

Instrument :

BNA_F

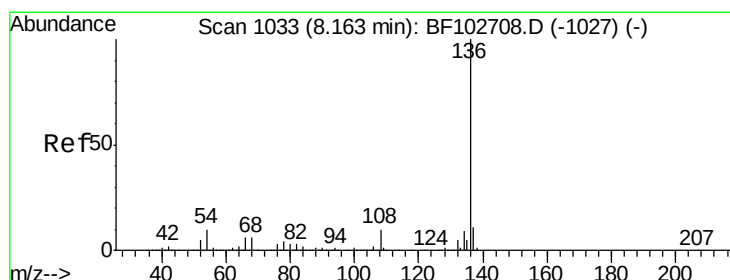
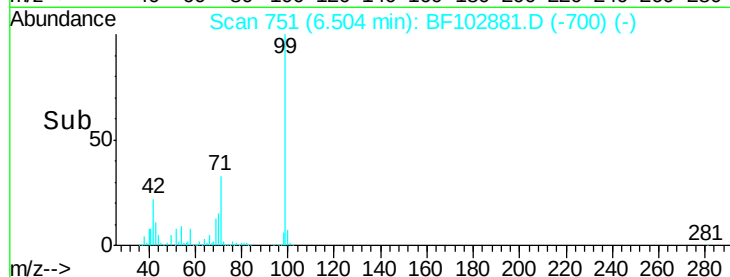
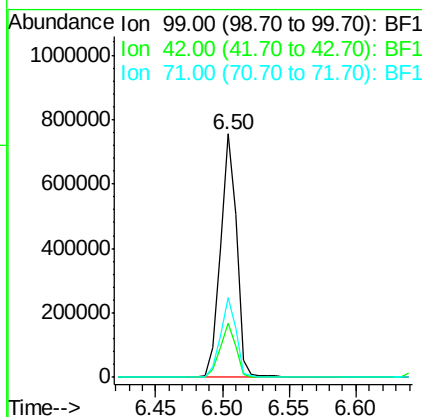
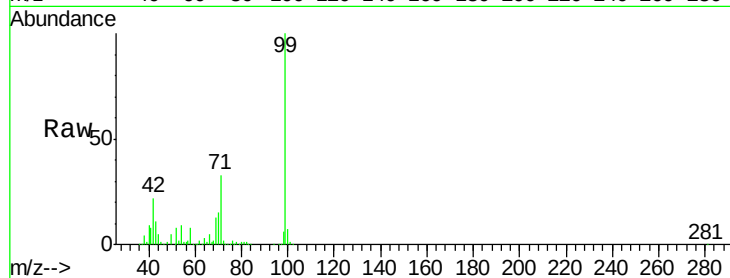
ClientSampled :

RO-201

Tot Ion:	99	Resp:	654681
Ion Ratio	Lower	Upper	
99	100		
42	22.0	14.5	21.7#
71	32.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

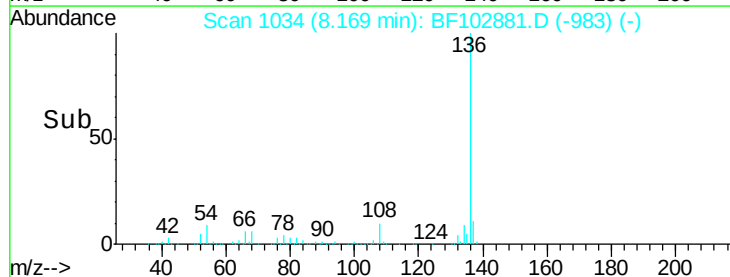
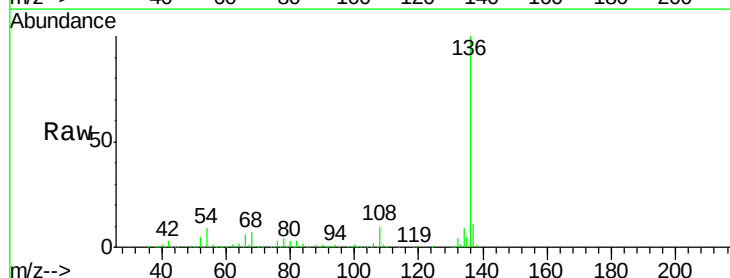
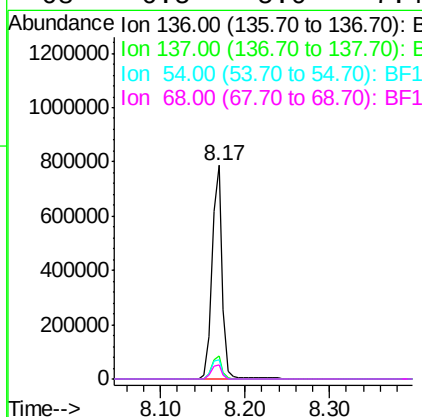
RT: 8.17 min Scan# 1034

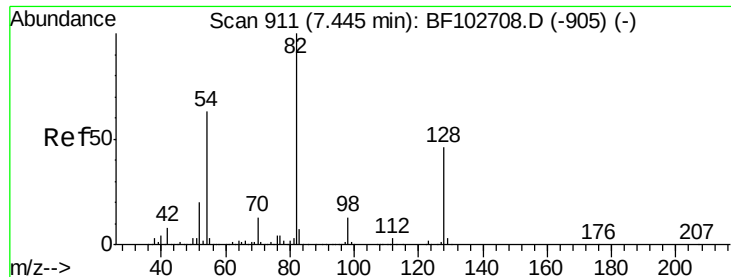
Delta R.T. -0.00 min

Lab File: BF102881.D

Acq: 9 Feb 2018 11:50

Tgt Ion:	136	Resp:	679649
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	8.9	6.6	9.8
68	6.5	5.0	7.4





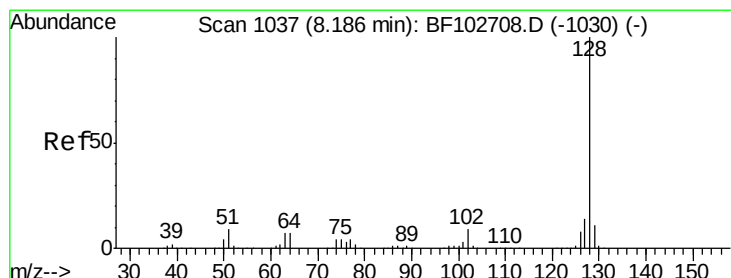
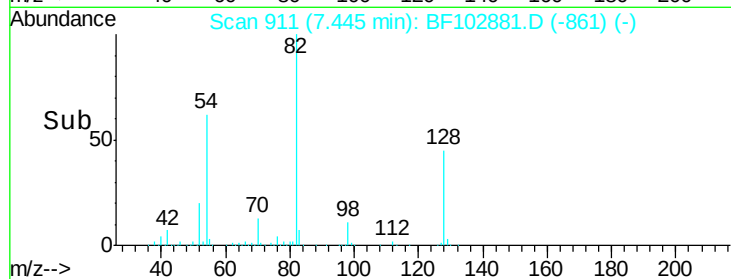
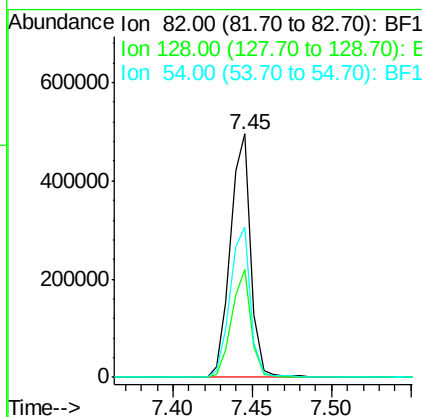
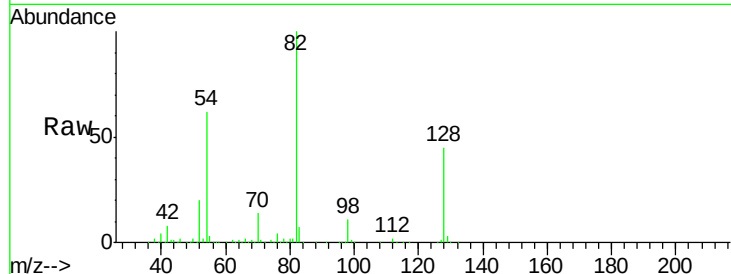
#23
Nitrobenzene-d5
Concen: 45.231 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102881.D
Acq: 9 Feb 2018 11:50

Instrument :
BNA_F
ClientSampled :
RO-201

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.6	36.1	54.1
54	61.6	41.4	62.2

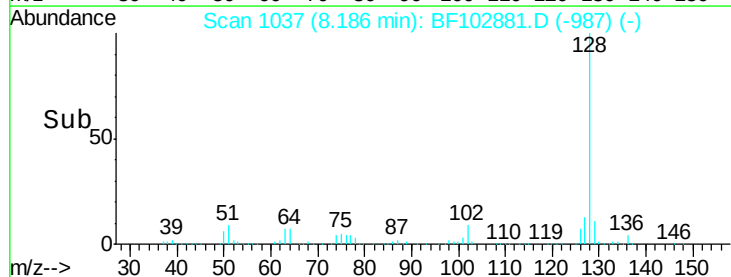
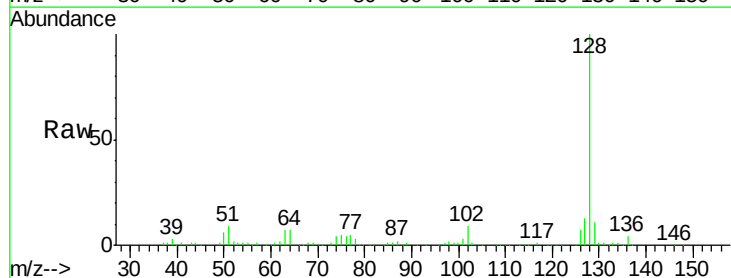
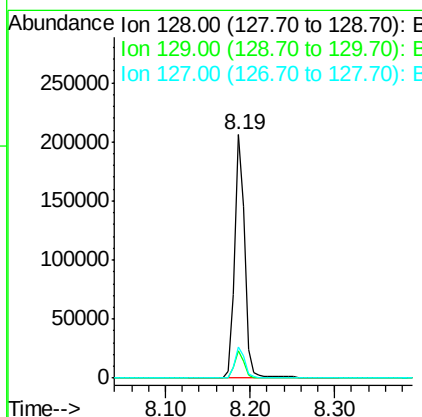
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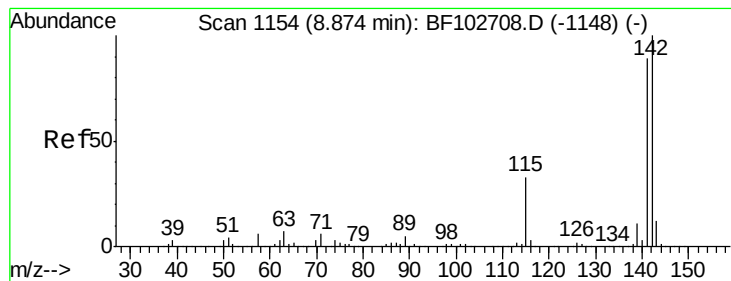
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#31
Naphthalene
Concen: 5.051 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF102881.D
Acq: 9 Feb 2018 11:50

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.0	10.9	16.3





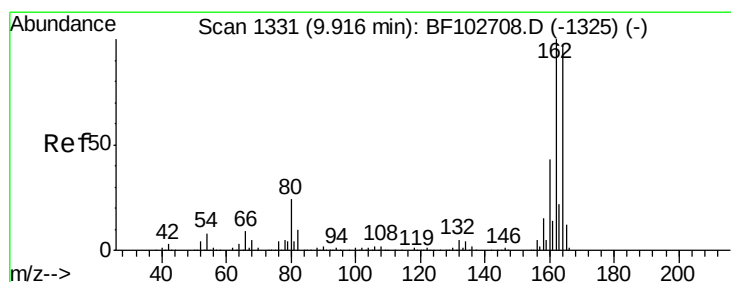
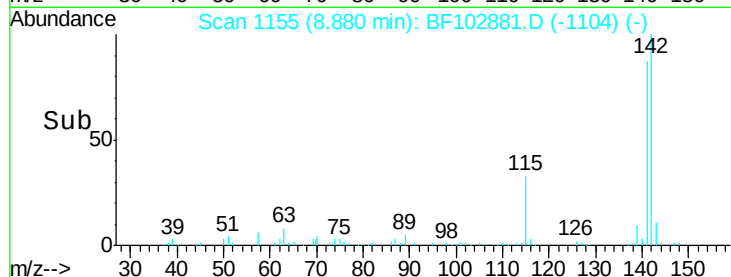
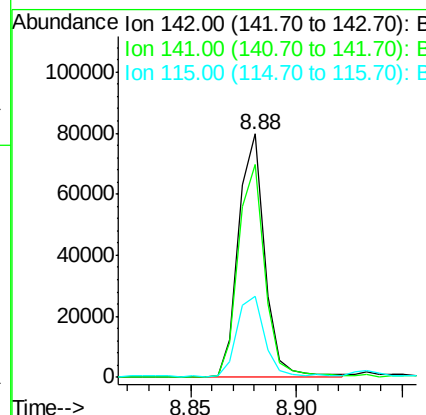
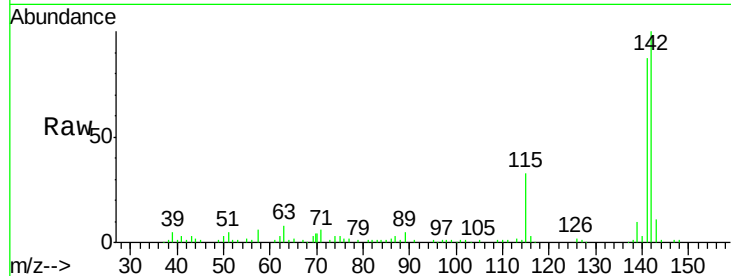
#37
2-Methylnaphthalene
Concen: 3.157 ng
RT: 8.88 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BF102881.D
Acq: 9 Feb 2018 11:50

Instrument :
BNA_F
ClientSampled :
RO-201

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.3	70.8	106.2
115	33.3	26.1	39.1

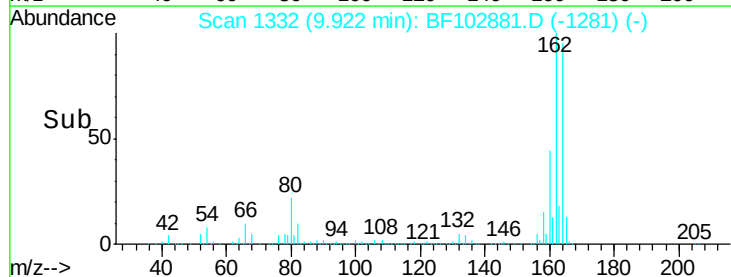
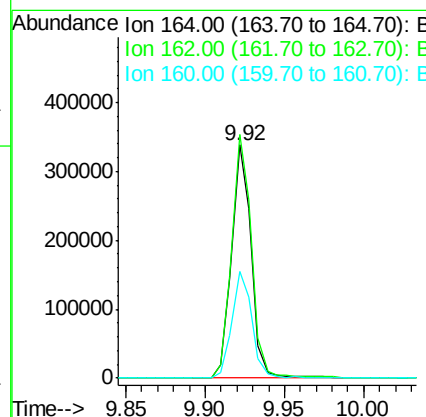
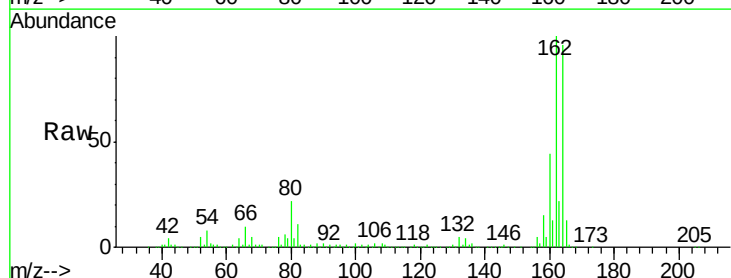
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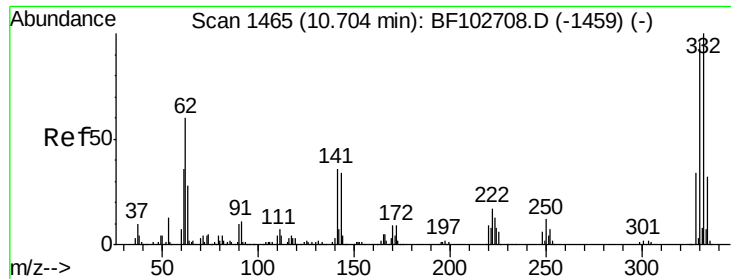
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF102881.D
Acq: 9 Feb 2018 11:50

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	86.1	129.1
160	45.6	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 50.424 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.00 min

Lab File: BF102881.D

Acq: 9 Feb 2018 11:50

Instrument :

BNA_F

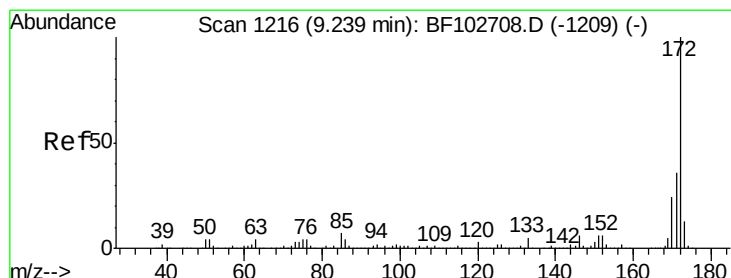
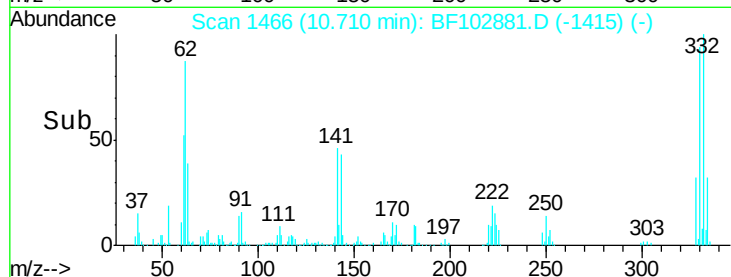
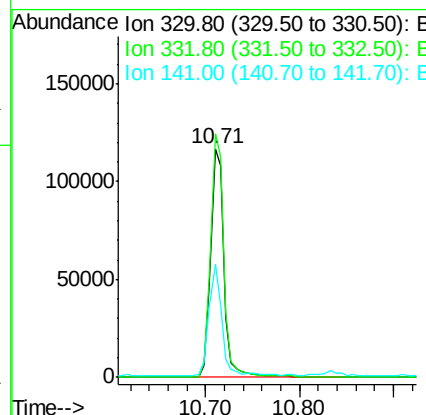
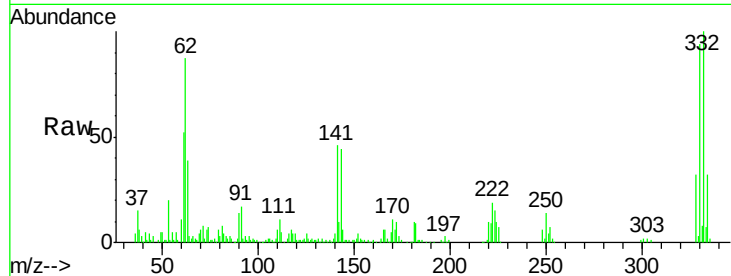
ClientSampled :

RO-201

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	105.9	77.0	115.6	
141	46.7	29.9	44.9	

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#44

2-Fluorobiphenyl

Concen: 35.828 ng

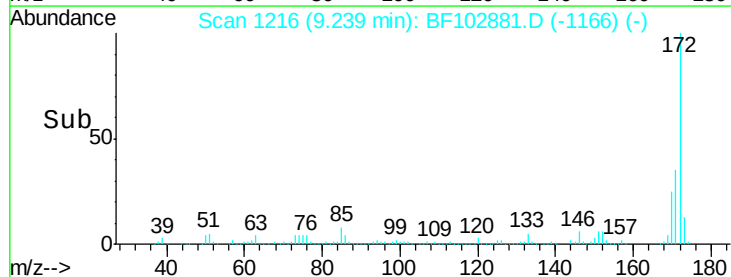
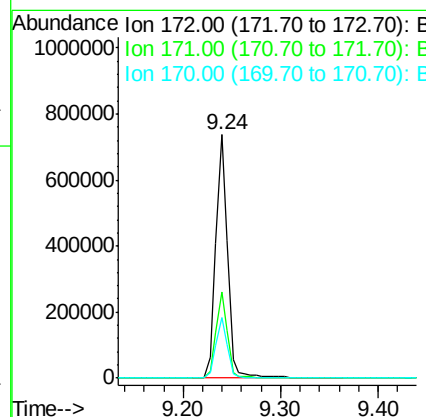
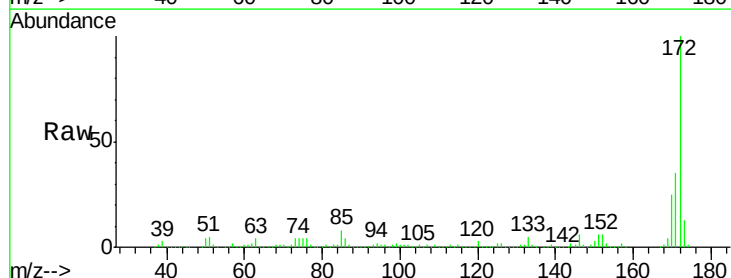
RT: 9.24 min Scan# 1216

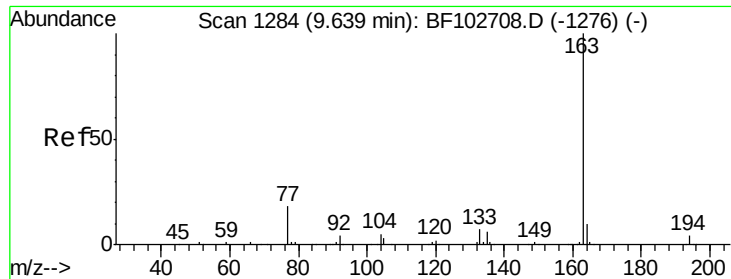
Delta R.T. -0.01 min

Lab File: BF102881.D

Acq: 9 Feb 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.5	29.7	44.5	
170	24.6	19.6	29.4	





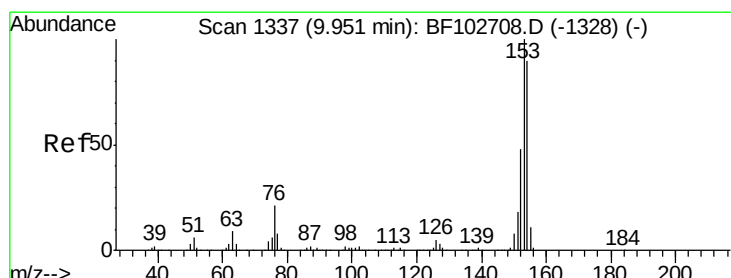
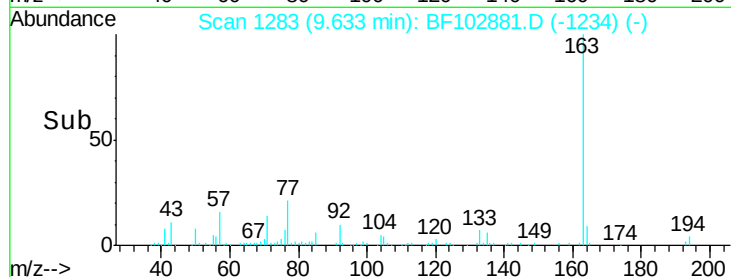
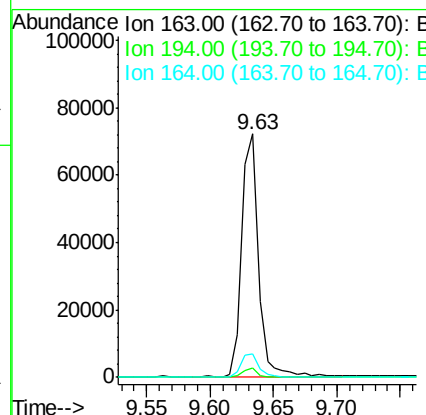
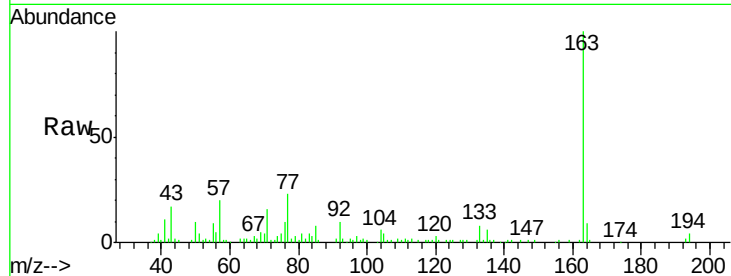
#49
Dimethylphthalate
Concen: 2.936 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF102881.D
Acq: 9 Feb 2018 11:50

Instrument :
BNA_F
ClientSampled :
RO-201

Tot Ion:	163	Resp:	66500
Ion Ratio	Lower	Upper	
163	100		
194	3.9	2.7	4.1
164	9.5	8.2	12.2

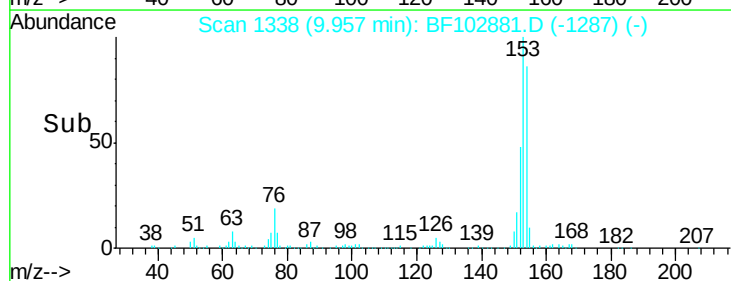
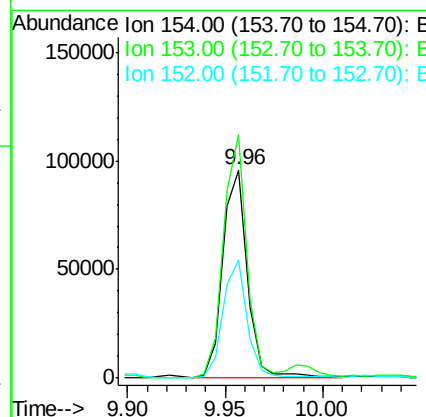
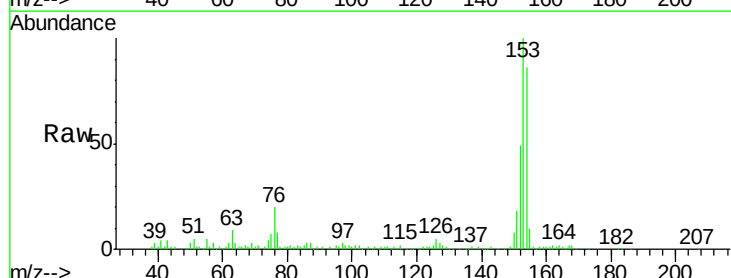
Manual Integrations
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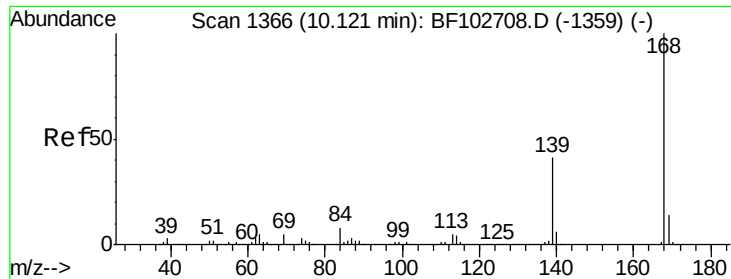
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#51
Acenaphthene
Concen: 4.605 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BF102881.D
Acq: 9 Feb 2018 11:50

Tgt Ion:	154	Resp:	82392
Ion Ratio	Lower	Upper	
154	100		
153	116.9	91.2	136.8
152	56.8	43.8	65.8





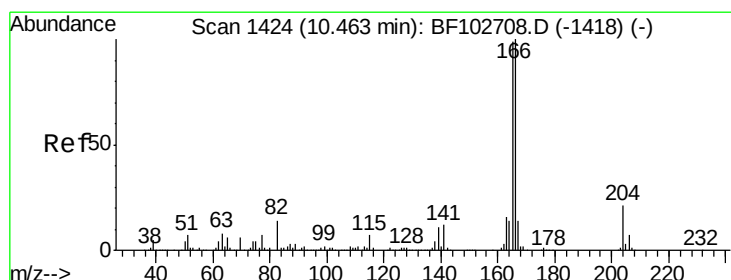
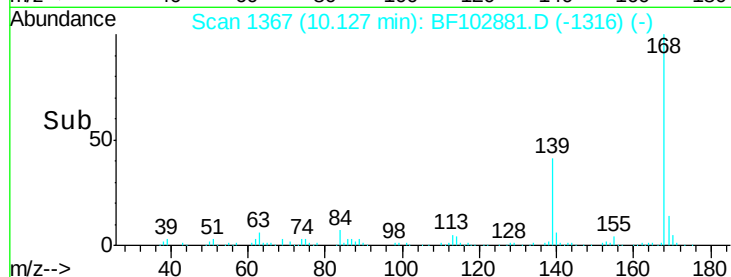
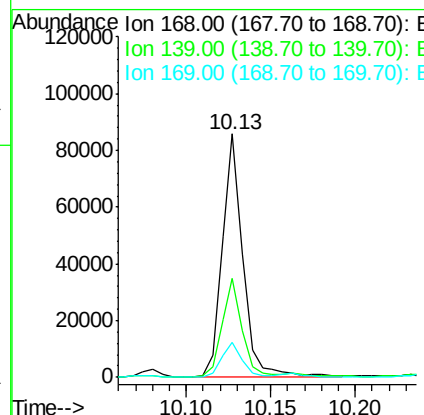
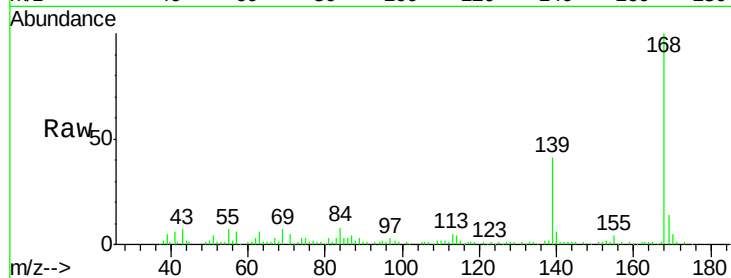
#54
Dibenzenofuran
Concen: 2.944 ng
RT: 10.13 min Scan# 1367
Delta R.T. -0.00 min
Lab File: BF102881.D
Acq: 9 Feb 2018 11:50

Instrument :
BNA_F
ClientSampled :
RO-201

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.8	30.1	45.1
169	14.4	10.9	16.3

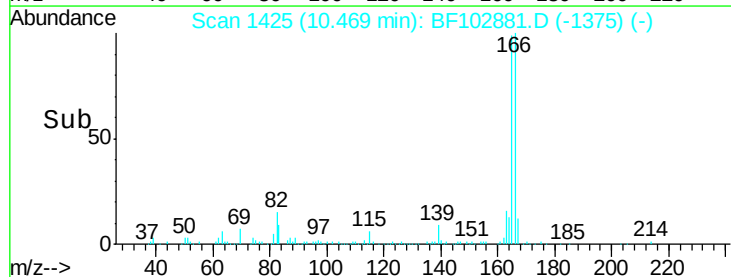
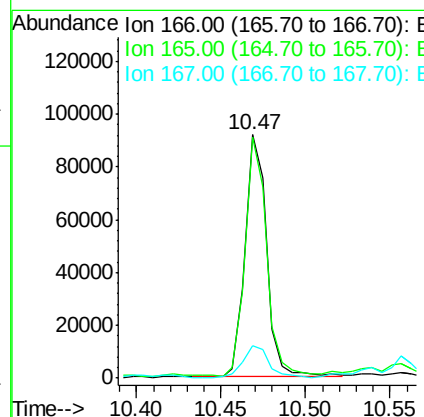
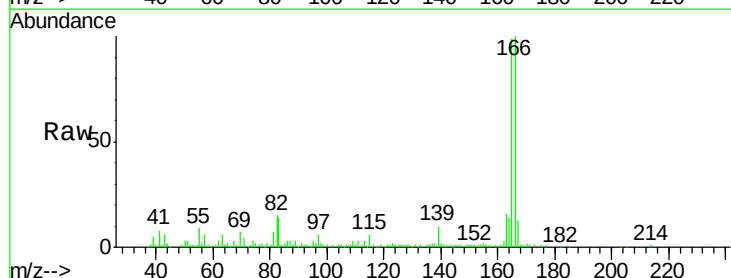
Manual Integrations
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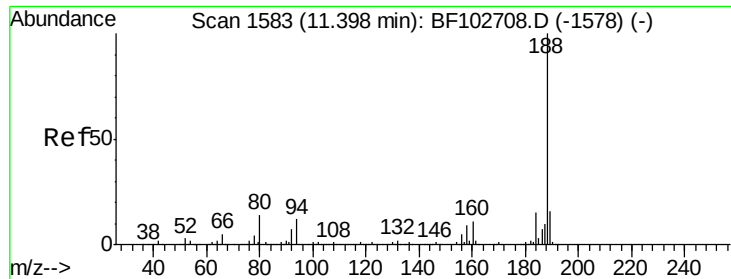
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#57
Fluorene
Concen: 4.472 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF102881.D
Acq: 9 Feb 2018 11:50

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.1	79.8	119.8
167	13.2	10.6	16.0





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF102881.D

Acq: 9 Feb 2018 11:50

Instrument :

BNA_F

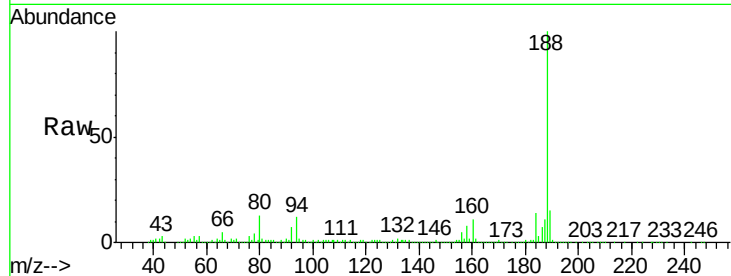
ClientSampleId :

RO-201

Tot Ion:	188	Resp:	448337
Ion Ratio	Lower	Upper	
188	100		
94	12.2	8.5	12.7
80	13.5	9.2	13.8

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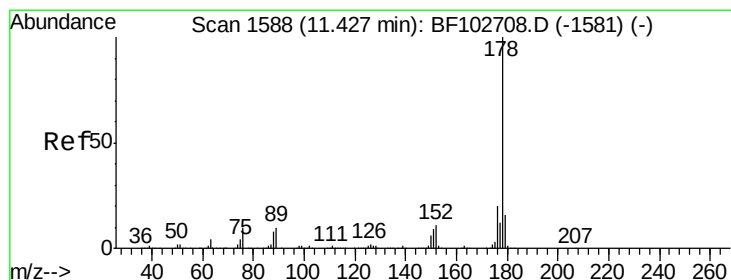
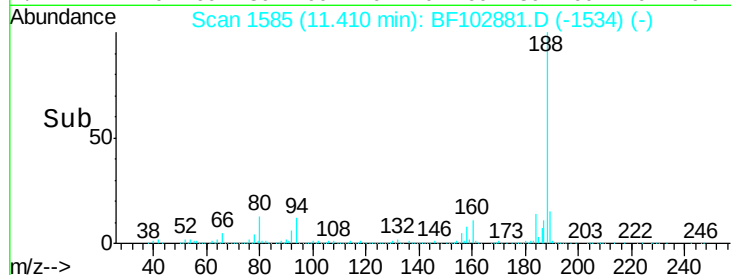
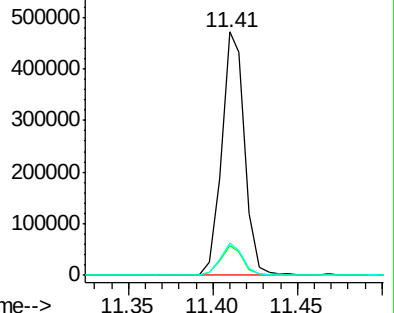
Sohil
2/13/2018 4:35:14 AM



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70

Phenanthrene

Concen: 18.053 ng

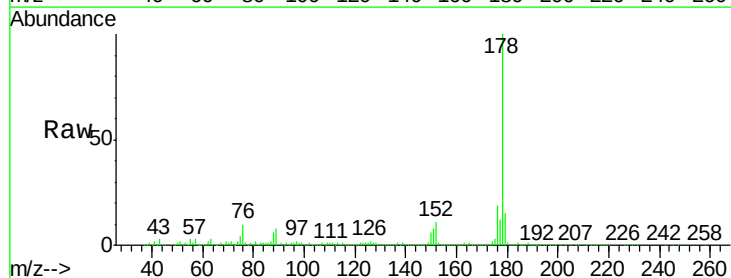
RT: 11.44 min Scan# 1590

Delta R.T. 0.01 min

Lab File: BF102881.D

Acq: 9 Feb 2018 11:50

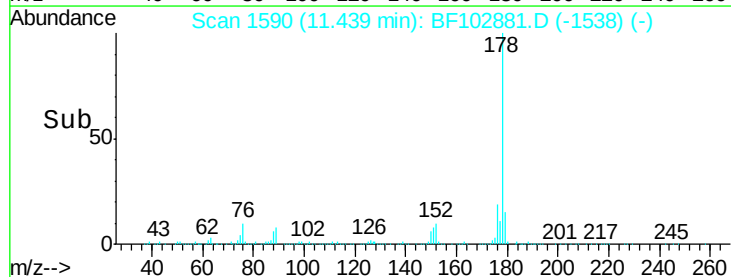
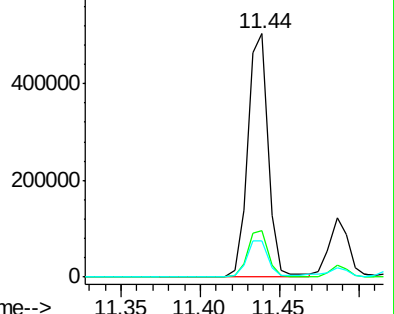
Tgt Ion:	178	Resp:	450772
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.8	23.8
179	15.0	13.0	19.6

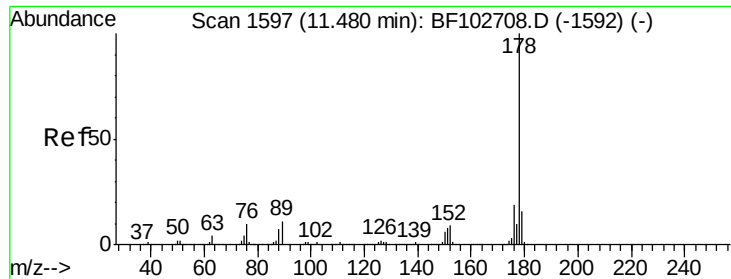


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





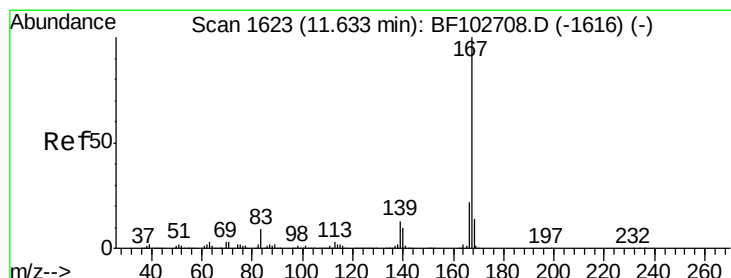
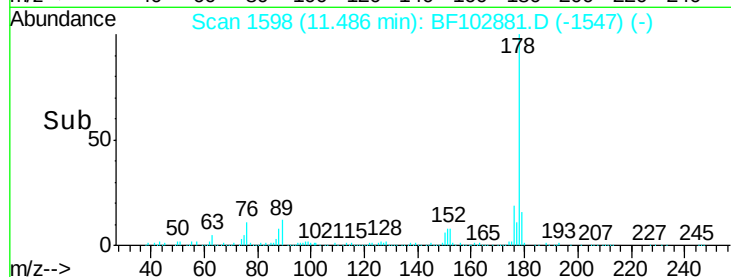
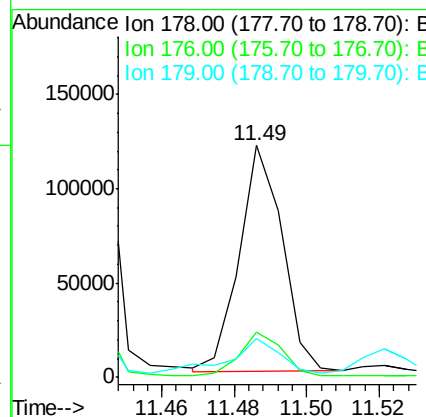
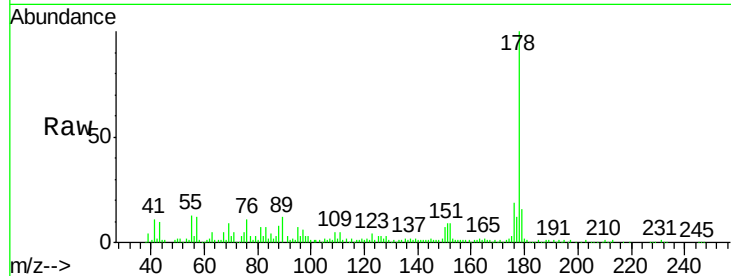
#71
 Anthracene
 Concen: 3.901 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: BF102881.D
 Acq: 9 Feb 2018 11:50

Instrument :
 BNA_F
 ClientSampleId :
 RO-201

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	16.5	12.6	19.0

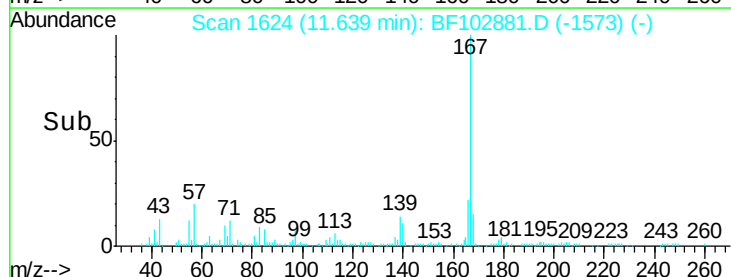
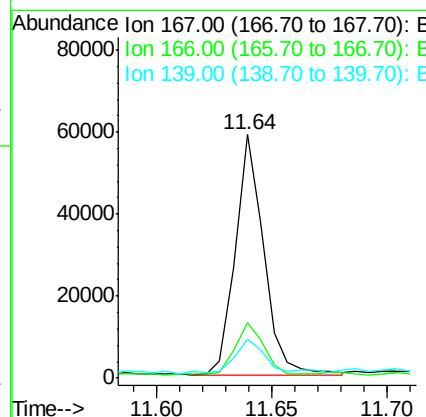
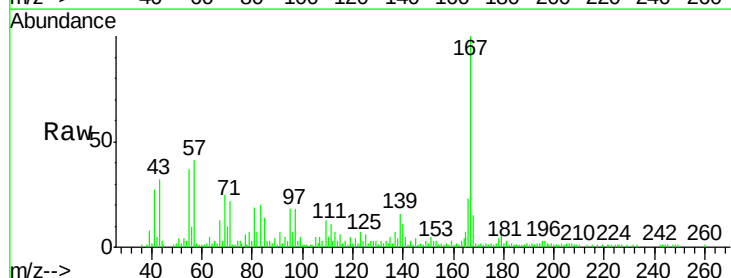
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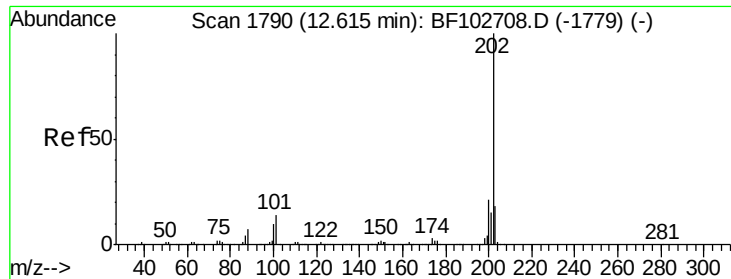
Sohil
 2/13/2018 4:35:14 AM



#72
 Carbazole
 Concen: 2.007 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. -0.00 min
 Lab File: BF102881.D
 Acq: 9 Feb 2018 11:50

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.6	26.4
139	16.0	10.9	16.3





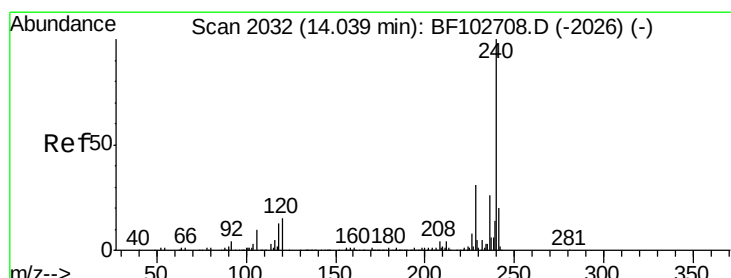
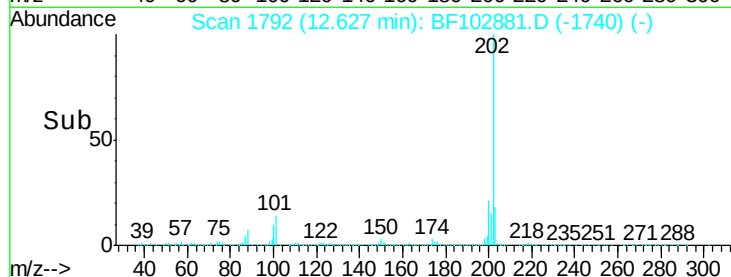
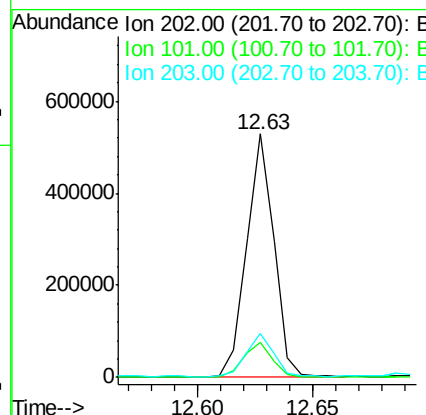
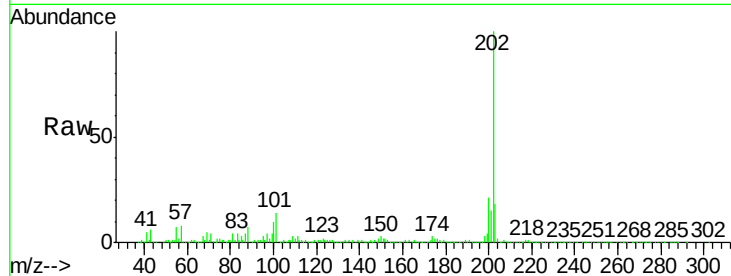
#74
 Fluoranthene
 Concen: 17.356 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: BF102881.D
 Acq: 9 Feb 2018 11:50

Instrument :
 BNA_F
 ClientSampleId :
 RO-201

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.4	0.0	34.1
203	18.0	0.0	38.1

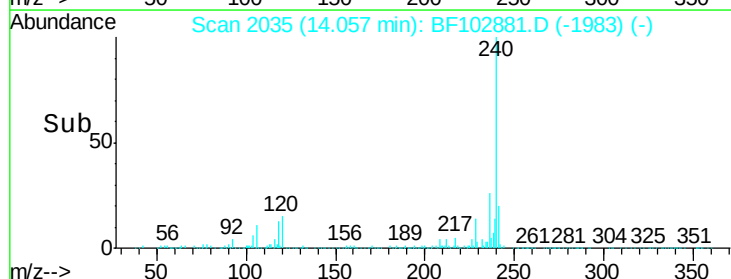
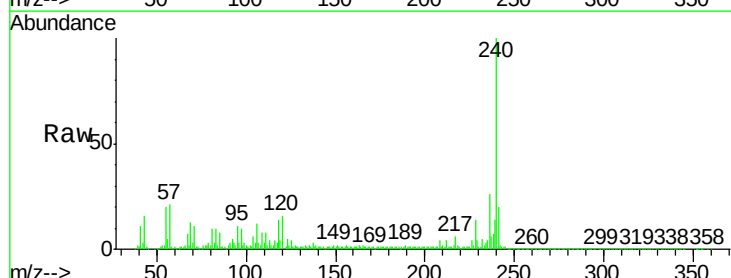
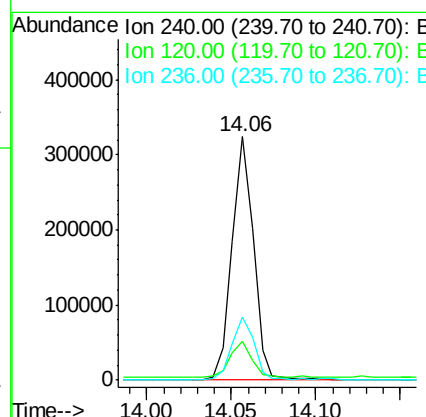
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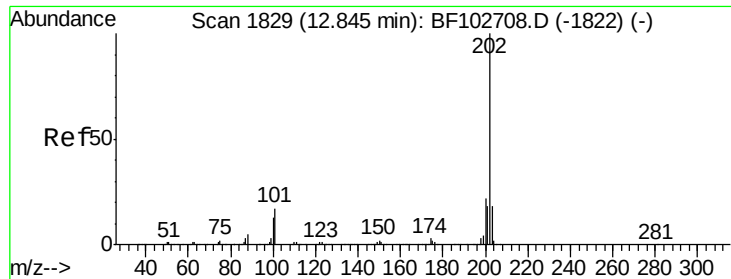
Sohil
 2/13/2018 4:35:14 AM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.01 min
 Lab File: BF102881.D
 Acq: 9 Feb 2018 11:50

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.8	9.5	14.3#
236	26.1	20.7	31.1





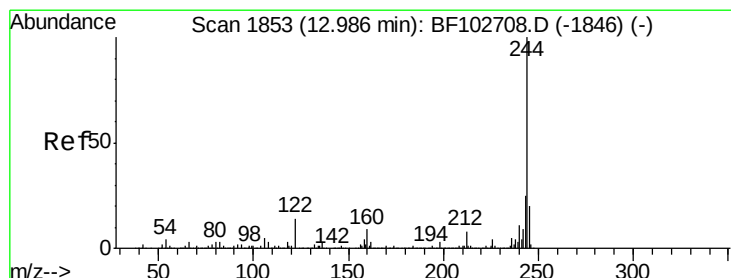
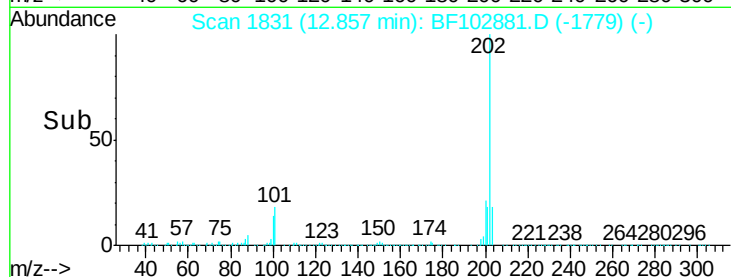
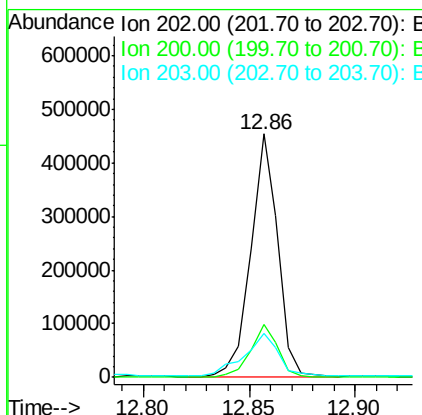
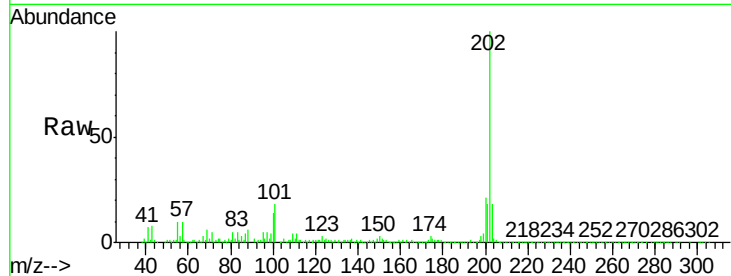
#77
Pvrene
Concen: 17.945 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.01 min
Lab File: BF102881.D
Acq: 9 Feb 2018 11:50

Instrument :
BNA_F
ClientSampleId :
RO-201

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.5	17.4	26.2
203	18.0	14.3	21.5

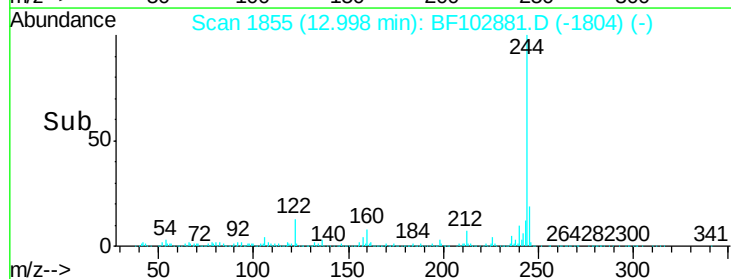
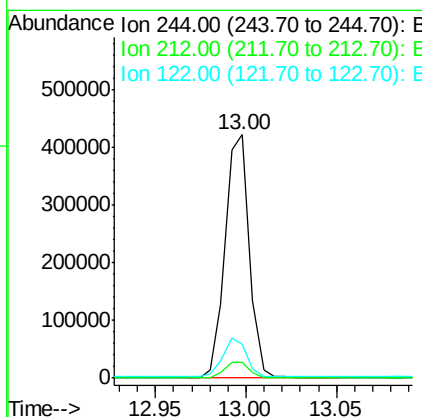
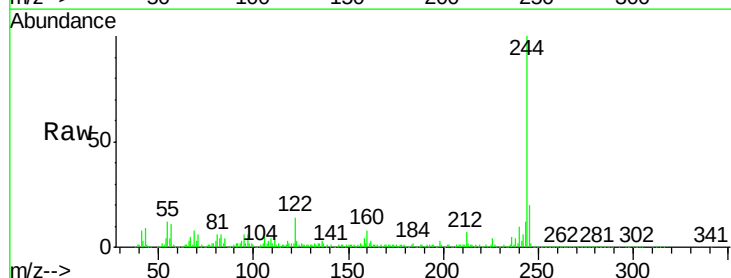
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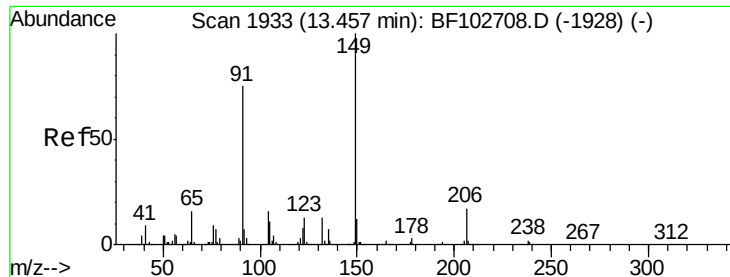
Sohil
2/13/2018 4:35:14 AM



#78
Terphenyl-d14
Concen: 32.699 ng
RT: 13.00 min Scan# 1855
Delta R.T. -0.00 min
Lab File: BF102881.D
Acq: 9 Feb 2018 11:50

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	5.4	8.0
122	13.9	11.0	16.4





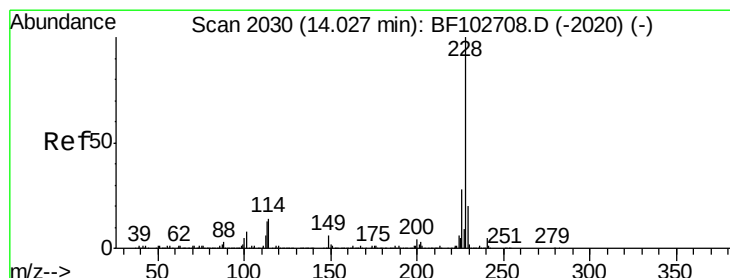
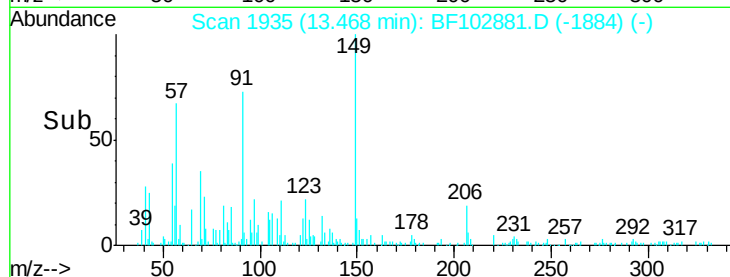
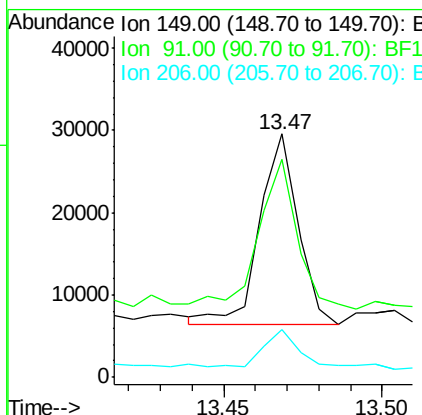
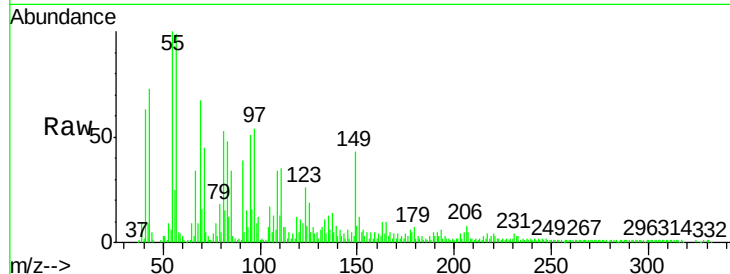
#79
Butylbenzylphthalate
Concen: 2.803 ng
RT: 13.47 min Scan# 1935
Delta R.T. -0.00 min
Lab File: BF102881.D
Acq: 9 Feb 2018 11:50

Instrument :
BNA_F
ClientSampled :
RO-201

Tot Ion	Ratio	Lower	Upper
149	100		
91	89.6	56.8	85.2
206	19.4	14.1	21.1

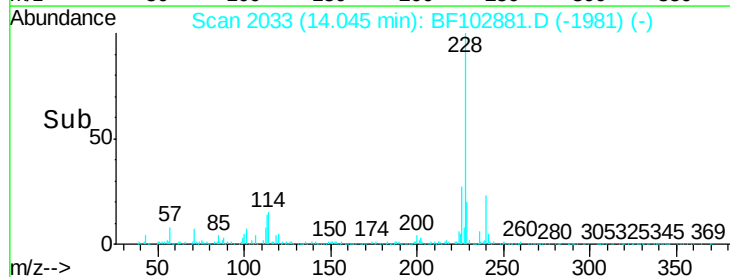
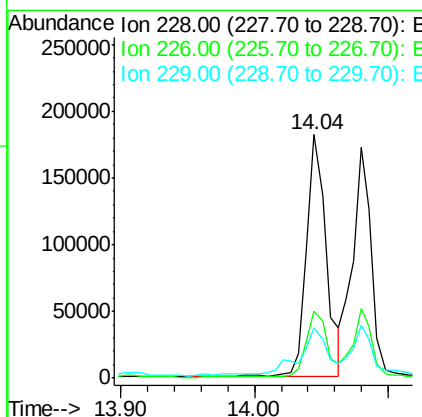
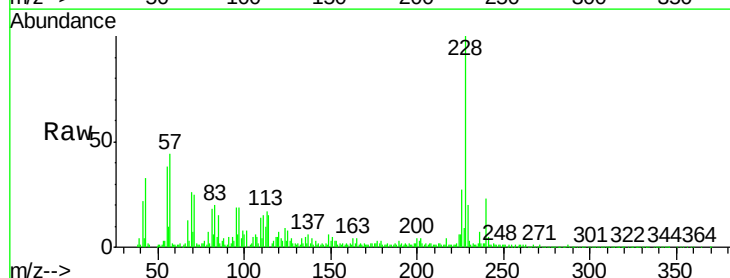
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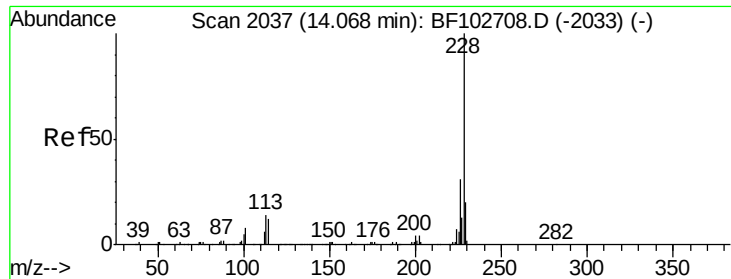
Sohil
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#80
Benzo(a)anthracene
Concen: 10.288 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF102881.D
Acq: 9 Feb 2018 11:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	33.8
229	20.4	15.8	23.6





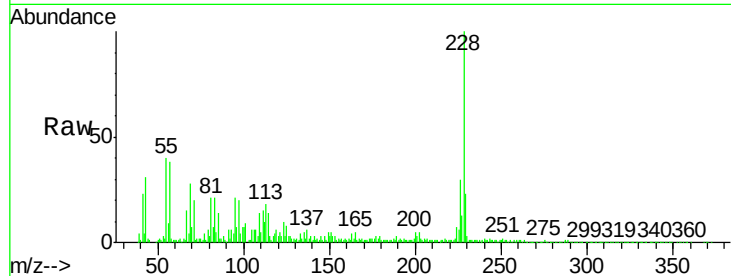
#82
Chrysene
Concen: 9.396 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.00 min
Lab File: BF102881.D
Acq: 9 Feb 2018 11:50

Instrument :
BNA_F
ClientSampled :
RO-201

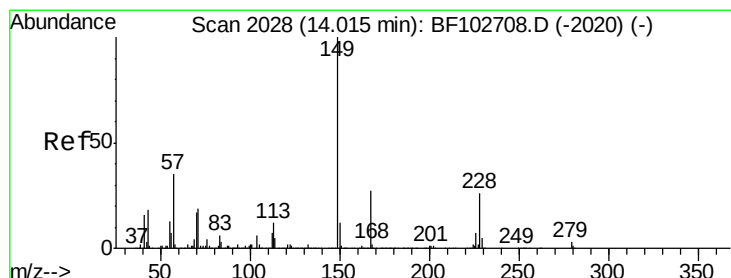
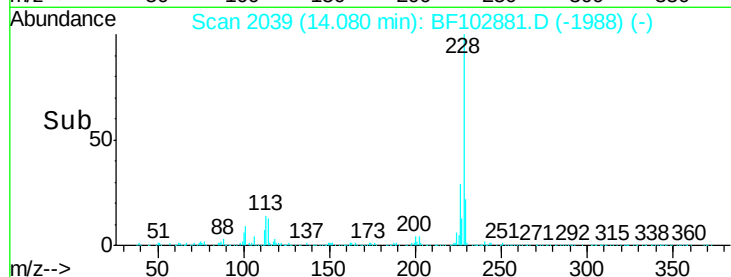
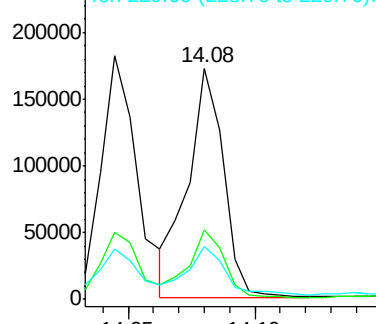
Tot Ion:	228	Resp:	170101
Ion Ratio		Lower	Upper
228	100		
226	30.0	25.0	37.6
229	22.7	16.2	24.4

Manual Integrations
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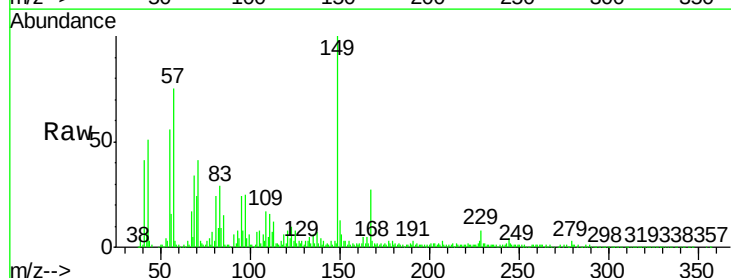


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

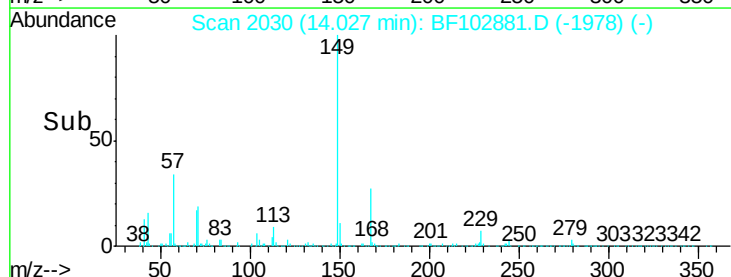
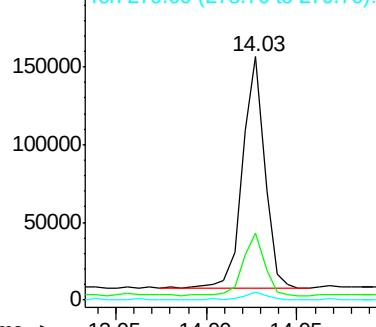


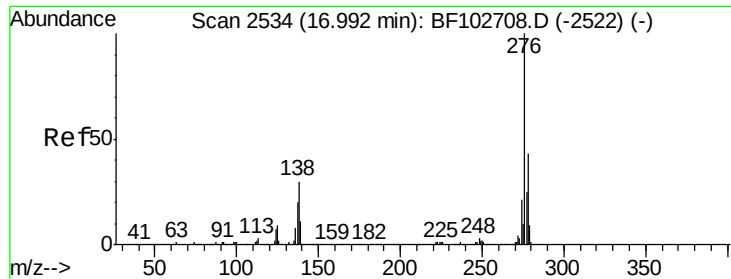
#83
Bis(2-ethylhexyl)phthalate
Concen: 9.295 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BF102881.D
Acq: 9 Feb 2018 11:50

Tgt Ion:	149	Resp:	127498
Ion Ratio		Lower	Upper
149	100		
167	27.4	21.3	31.9
279	3.3	3.0	4.4



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





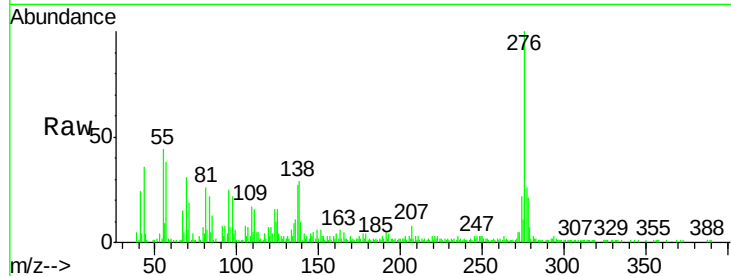
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.520 ng
 RT: 17.05 min Scan# 2544
 Delta R.T. 0.04 min
 Lab File: BF102881.D
 Acq: 9 Feb 2018 11:50

Instrument :
 BNA_F
 ClientSampled :
 RO-201

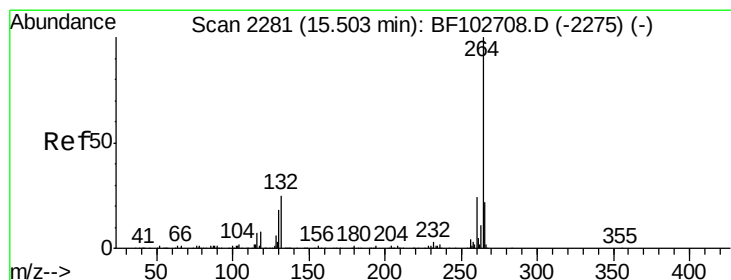
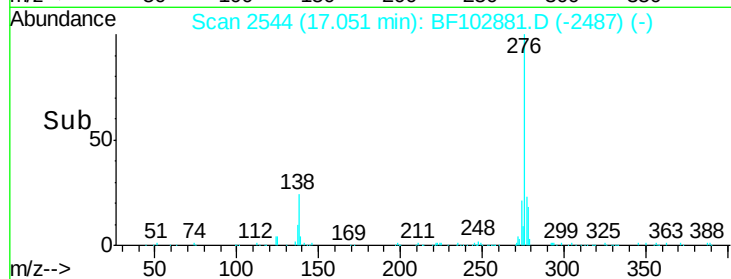
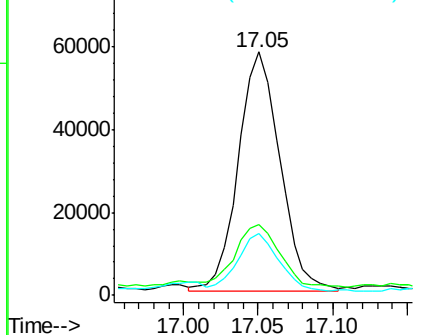
Tot Ion:	276	Resp:	112910
Ion Ratio	Lower	Upper	
276	100		
138	27.4	25.0	37.6
277	23.6	20.1	30.1

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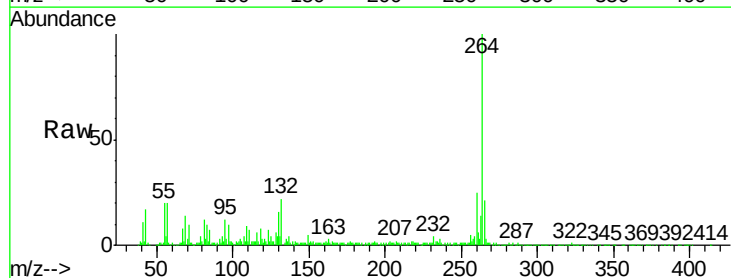


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

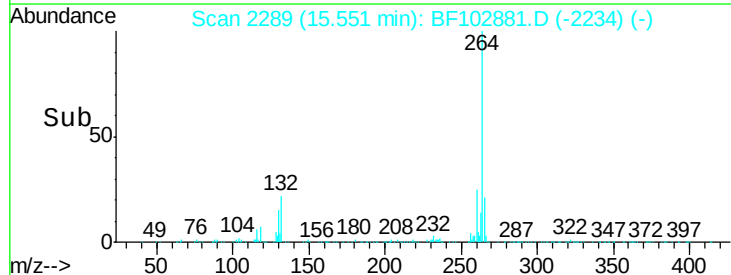
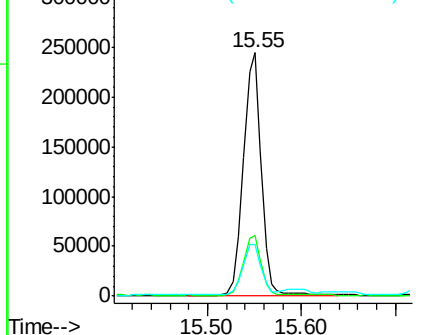


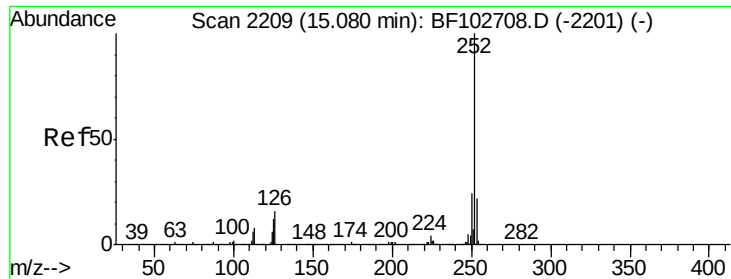
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.55 min Scan# 2289
 Delta R.T. 0.02 min
 Lab File: BF102881.D
 Acq: 9 Feb 2018 11:50

Tgt Ion:	264	Resp:	323657
Ion Ratio	Lower	Upper	
264	100		
260	24.9	19.2	28.8
265	21.3	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





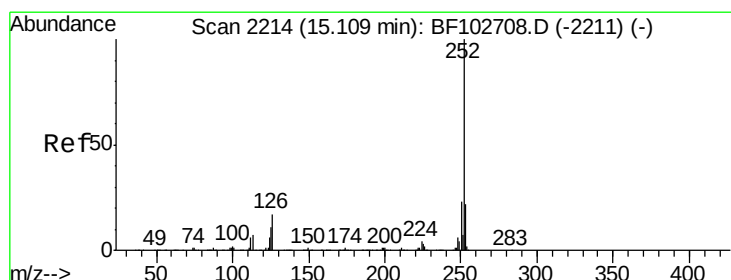
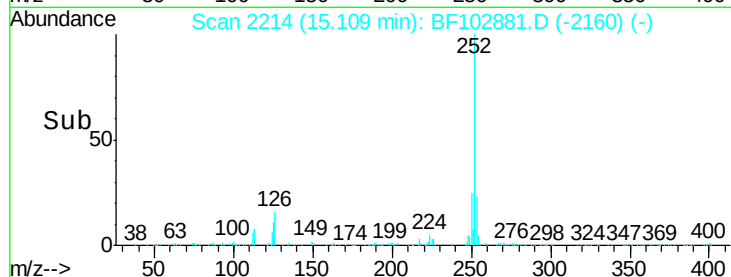
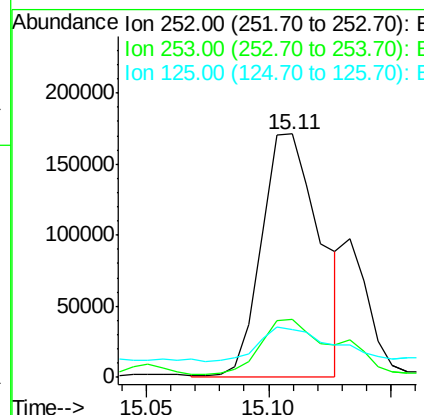
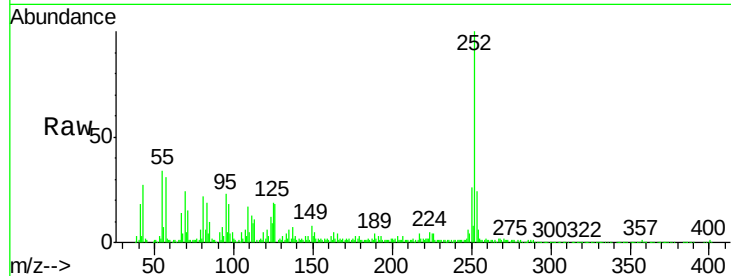
#87
Benzo(b)fluoranthene
Concen: 13.625 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.02 min
Lab File: BF102881.D
Acq: 9 Feb 2018 11:50

Instrument :
BNA_F
ClientSampled :
RO-201

Tot Ion	Ratio	Resp	Lower	Upper
252	100	285899		
253	23.9	17.0	25.6	
125	19.5	9.0	13.6	

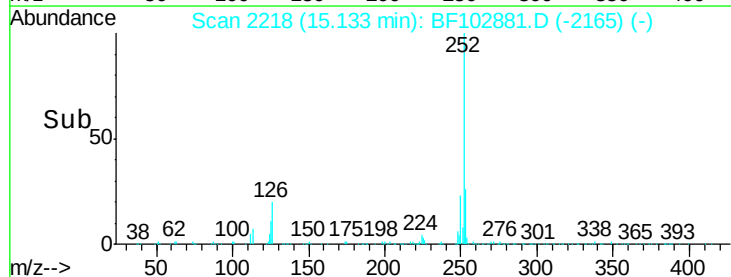
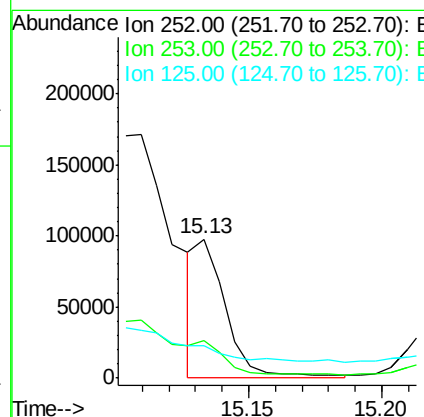
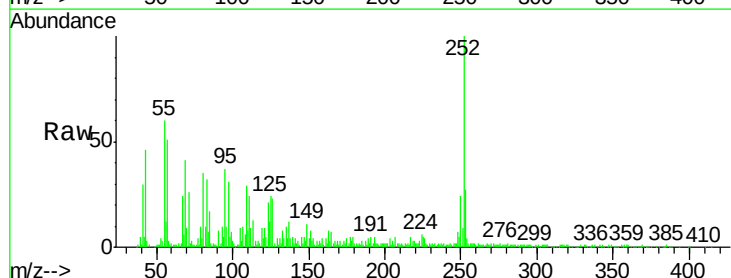
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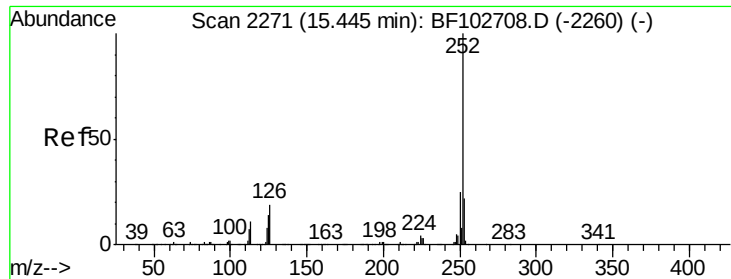
Sohil
2/13/2018 4:35:14 AM



#88
Benzo(k)fluoranthene
Concen: 3.825 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BF102881.D
Acq: 9 Feb 2018 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	76693		
253	27.1	17.9	26.9	
125	23.7	10.2	15.2	





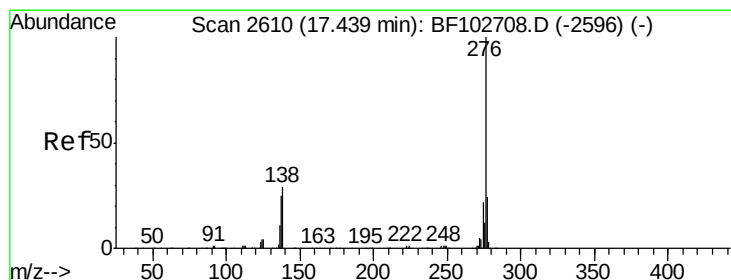
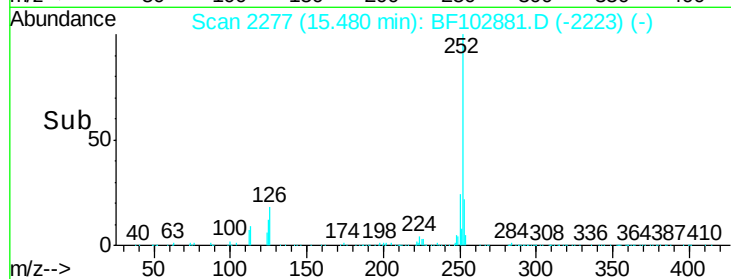
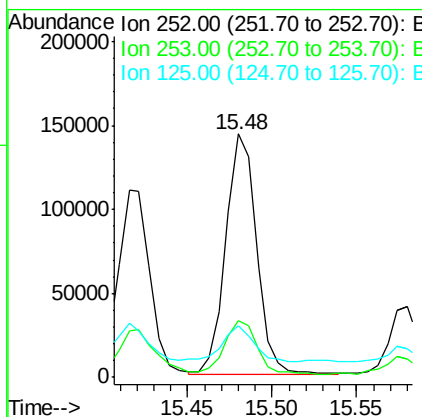
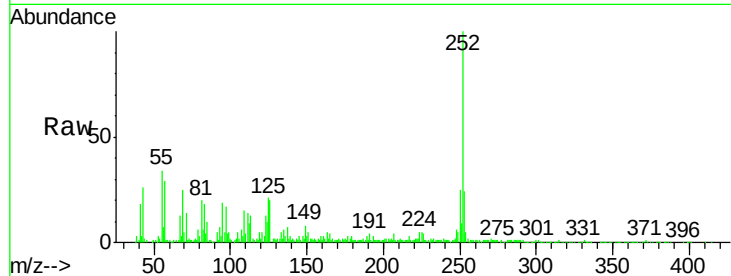
#89
Benzo(a)pyrene
Concen: 9.691 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.02 min
Lab File: BF102881.D
Acq: 9 Feb 2018 11:50

Instrument :
BNA_F
ClientSampled :
RO-201

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	21.0	9.8	14.6

Manual Integrations
APPROVED

Sohil
2/13/2018 4:35:14 AM



#91
Benzo(g,h,i)perylene
Concen: 7.480 ng
RT: 17.51 min Scan# 2622
Delta R.T. 0.04 min
Lab File: BF102881.D
Acq: 9 Feb 2018 11:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	17.9	26.9
138	28.8	21.8	32.8

