

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104714.D
 Acq On : 23 Apr 2018 17:21
 Operator : JU/SJ
 Sample : J2500-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-400028-2171

Manual Integrations
 APPROVED

Sohil
 4/24/2018 3:48:48 PM

Quant Time: Apr 24 09:24:55 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	114954	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	448380	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	180129	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	287657	20.00	ng	0.00
75) Chrysene-d12	13.99	240	184728	20.00	ng	0.00
86) Perylene-d12	15.46	264	141452	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	669559	89.06	ng	0.02
7) Phenol-d6	6.45	99	792427	85.79	ng	0.00
23) Nitrobenzene-d5	7.37	82	428723	62.44	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	144817	77.50	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	751825	65.94	ng	0.00
78) Terphenyl-d14	12.93	244	586095	72.33	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.56	163	58394	4.111	ng	97
70) Phenanthrene	11.36	178	353339	22.057	ng	98
71) Anthracene	11.42	178	112644	6.917	ng	98
74) Fluoranthene	12.56	202	660201	39.445	ng	100
77) Pyrene	12.79	202	583240	42.595	ng	99
80) Benzo(a)anthracene	13.98	228	241247	21.860	ng	98
82) Chrysene	14.02	228	205060	18.090	ng	97
85) Indeno(1,2,3-cd)pyrene	16.93	276	110639m	11.490	ng	
87) Benzo(b)fluoranthene	15.04	252	225339m	25.223	ng	
88) Benzo(k)fluoranthene	15.06	252	63256m	7.500	ng	
89) Benzo(a)pyrene	15.40	252	162732	20.358	ng	95
90) Dibenzo(a,h)anthracene	16.93	278	22116	3.369	ng	# 89
91) Benzo(a,h,i)perylene	17.37	276	90522	14.232	ng	96

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

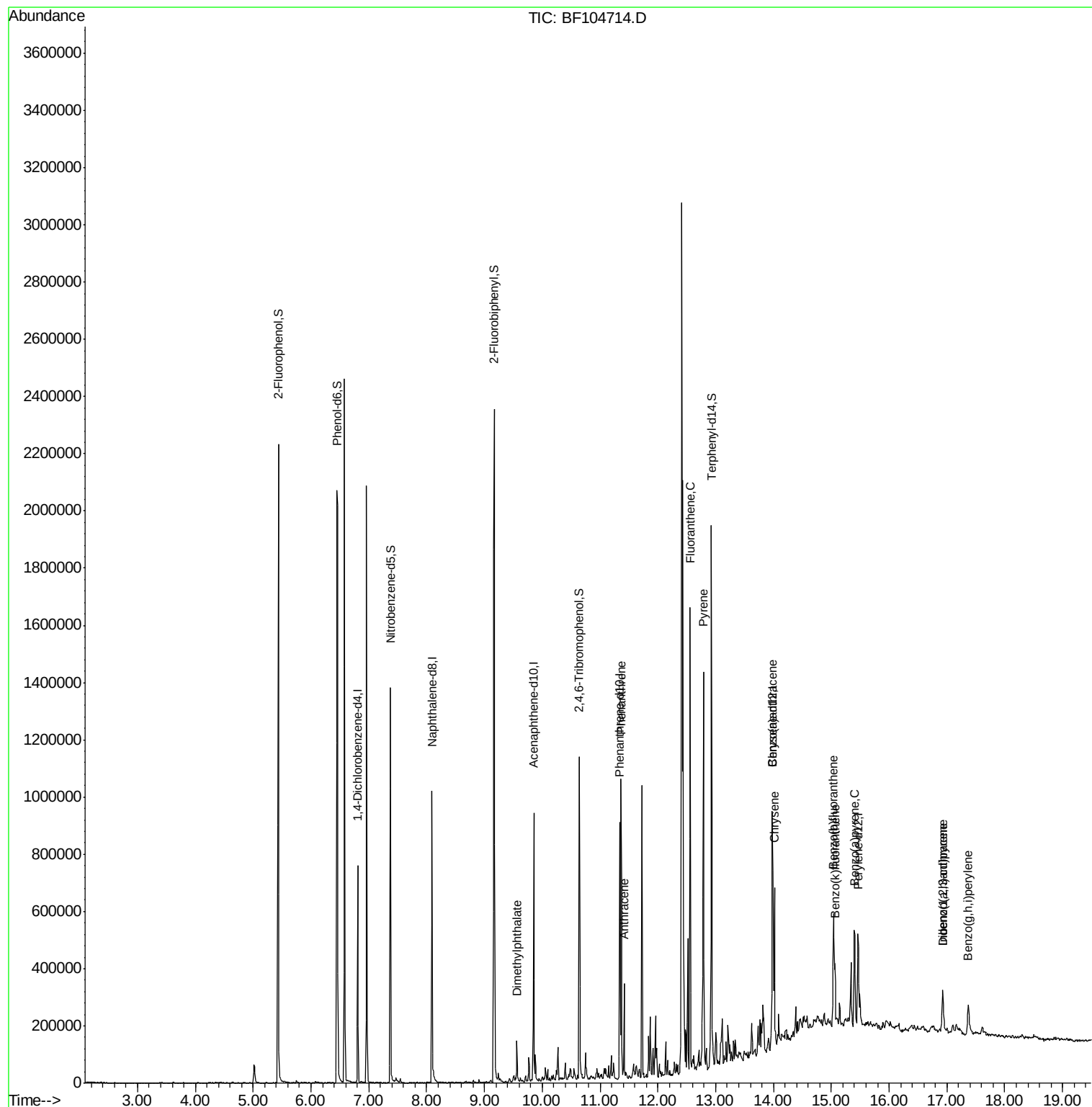
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
Data File : BF104714.D
Acq On : 23 Apr 2018 17:21
Operator : JU/SJ
Sample : J2500-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

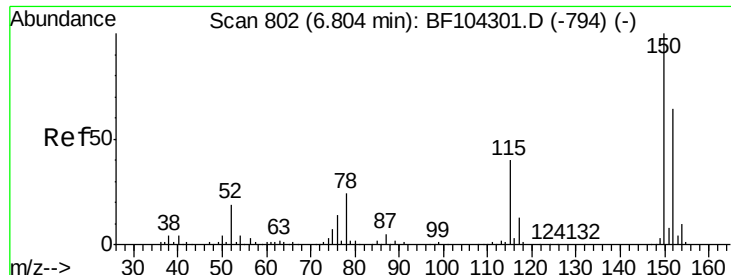
Instrument :
BNA_F
ClientSampleId :
RBR-400028-2171

Manual Integrations
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#1

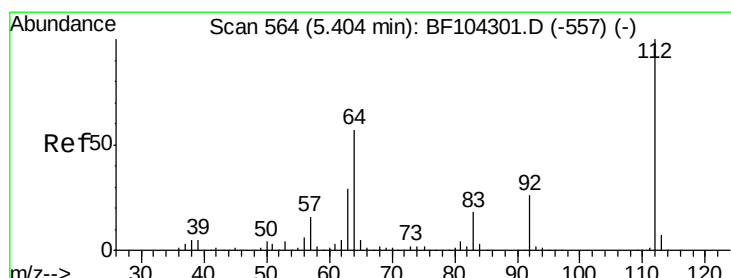
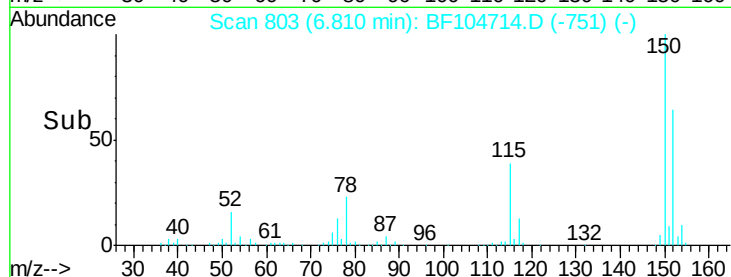
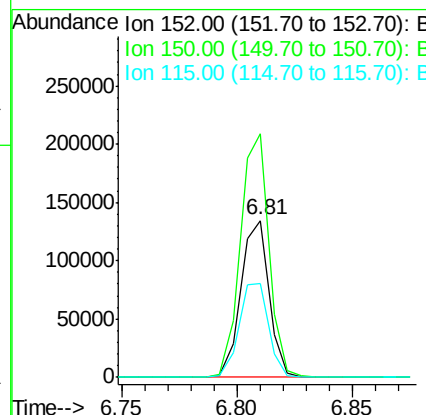
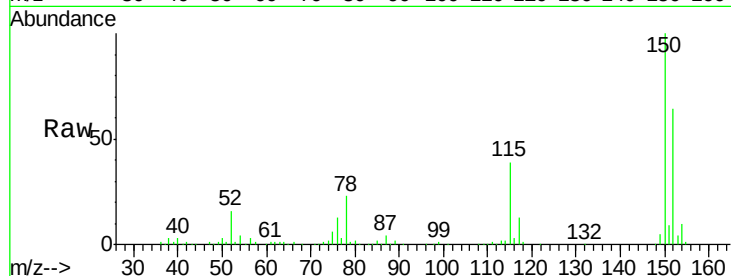
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104714.D
Acq: 23 Apr 2018 17:21

Instrument :
BNA_F
ClientSampleId :
RBR-400028-2171

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	60.2	50.1	75.1

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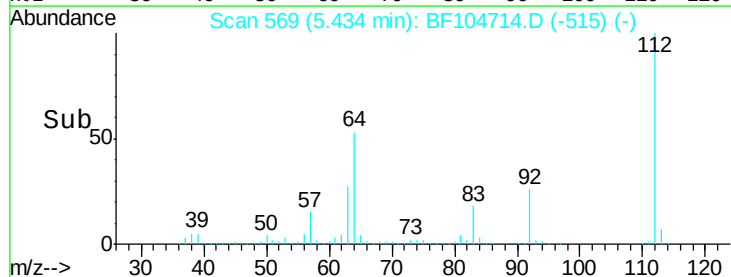
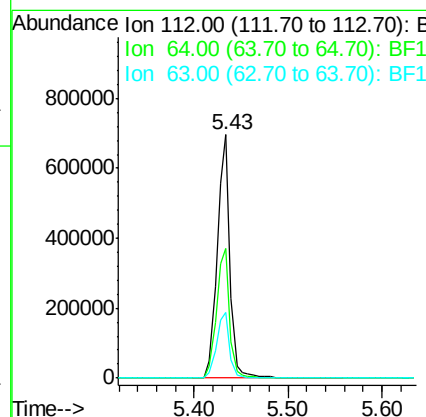
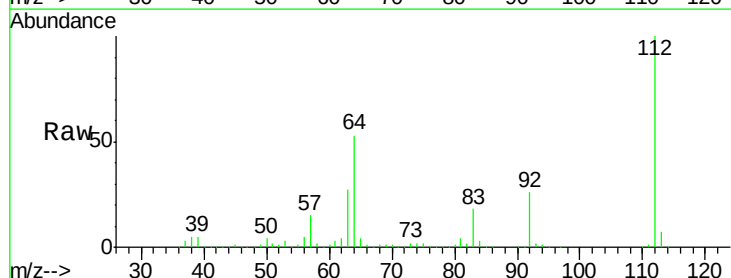
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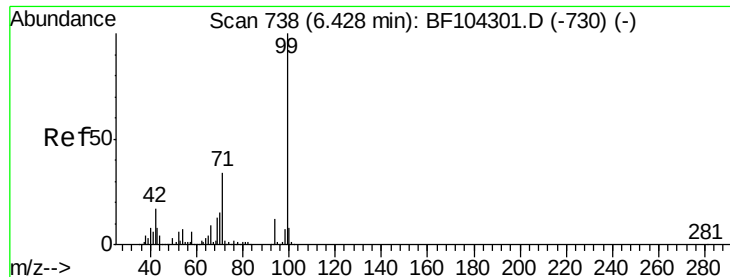


#5

2-Fluorophenol
Concen: 89.061 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.02 min
Lab File: BF104714.D
Acq: 23 Apr 2018 17:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	47.9	71.9
63	26.7	23.7	35.5





#7

Phenol-d6

Concen: 85.787 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104714.D

Acq: 23 Apr 2018 17:21

Instrument :

BNA_F

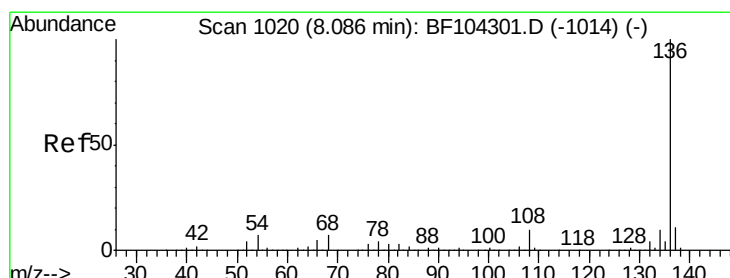
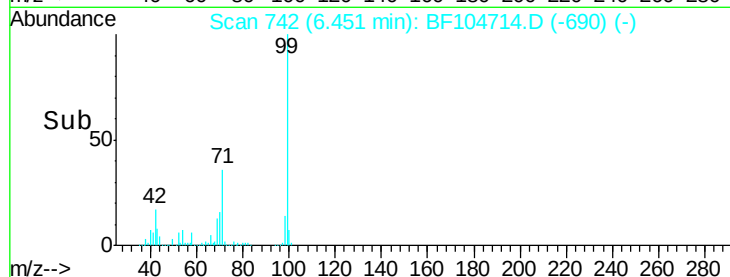
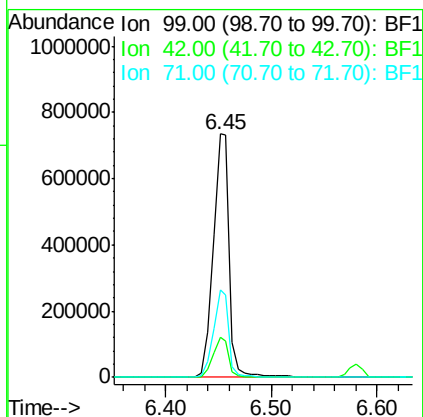
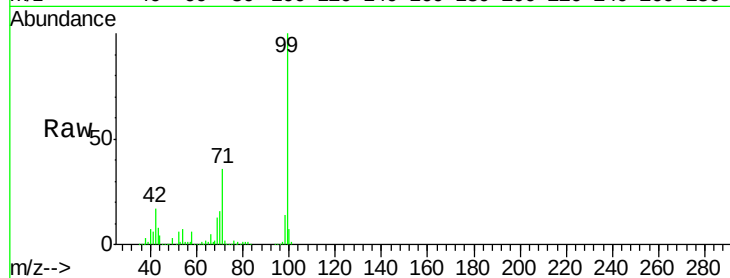
ClientSampleId :

RBR-400028-2171

Tot Ion:	99	Resp:	792427
Ion Ratio	Lower	Upper	
99	100		
42	16.7	14.5	21.7
71	35.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

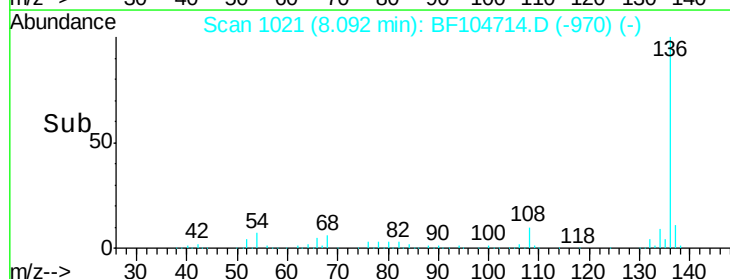
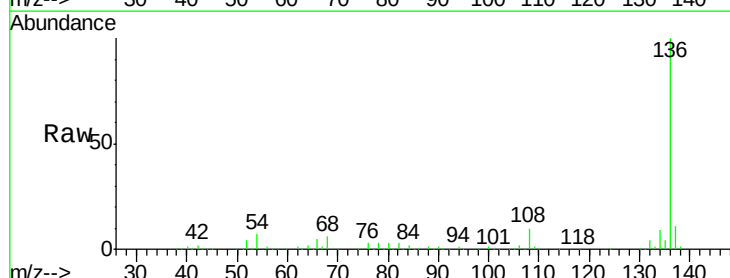
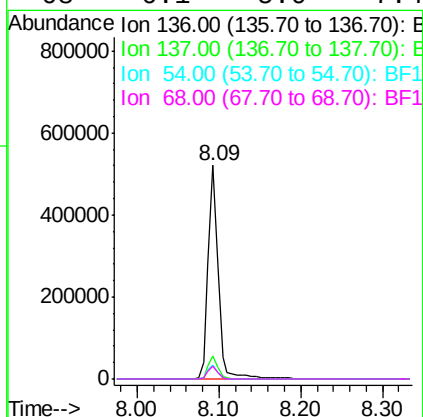
RT: 8.09 min Scan# 1021

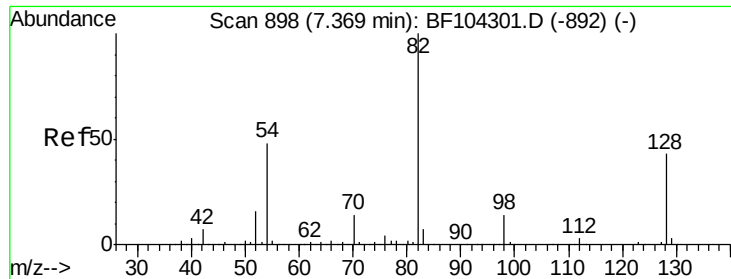
Delta R.T. -0.00 min

Lab File: BF104714.D

Acq: 23 Apr 2018 17:21

Tgt Ion:	136	Resp:	448380
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	6.7	6.6	9.8
68	6.1	5.0	7.4





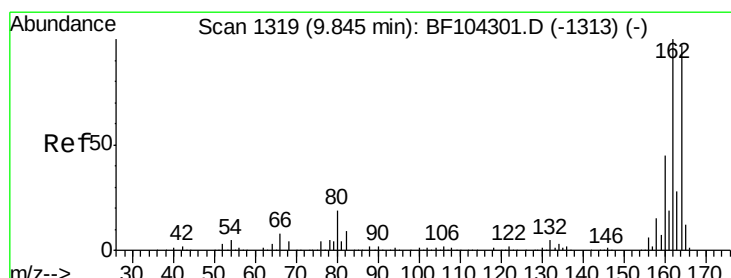
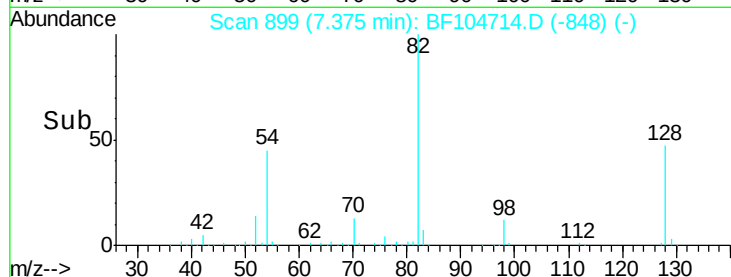
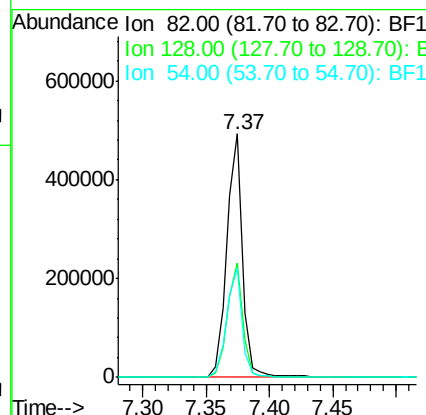
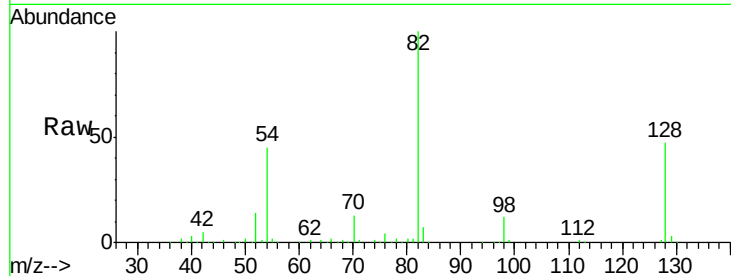
#23
 Nitrobenzene-d5
 Concen: 62.435 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: BF104714.D
 Acq: 23 Apr 2018 17:21

Instrument :
 BNA_F
 ClientSampleId :
 RBR-400028-2171

Tot Ion	82	Resp	428723
Ion Ratio	100	Lower	Upper
128	46.8	36.1	54.1
54	44.7	41.4	62.2

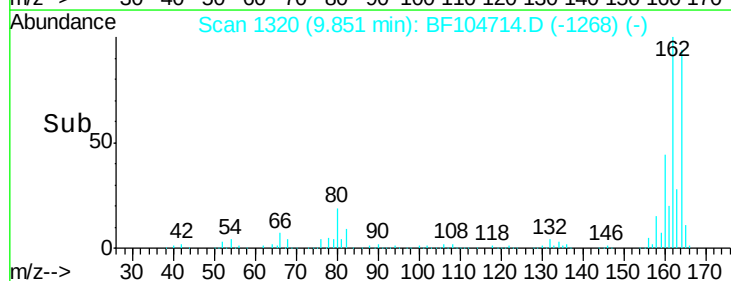
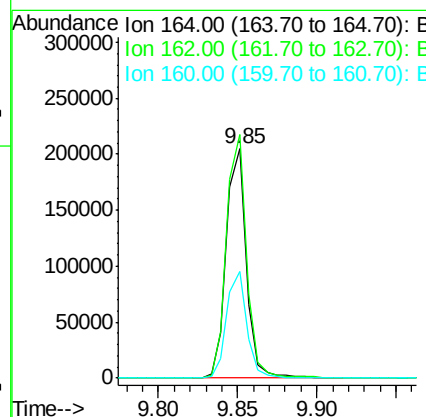
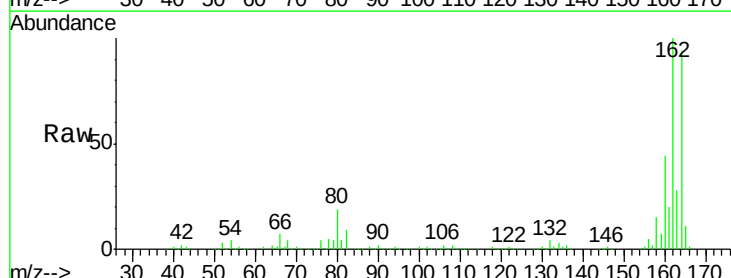
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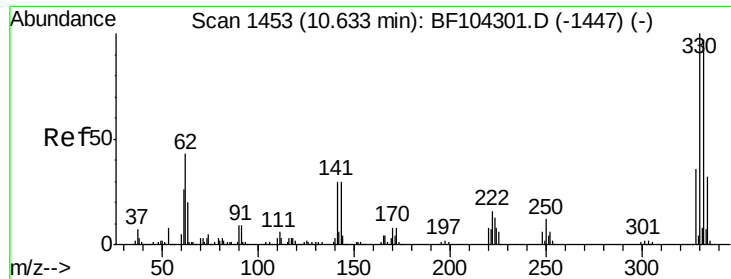
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: BF104714.D
 Acq: 23 Apr 2018 17:21

Tgt Ion	164	Resp	180129
Ion Ratio	100	Lower	Upper
162	106.3	86.1	129.1
160	46.5	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 77.503 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.01 min

Lab File: BF104714.D

Acq: 23 Apr 2018 17:21

Instrument :

BNA_F

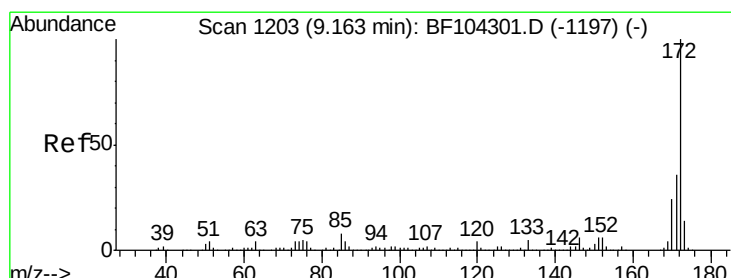
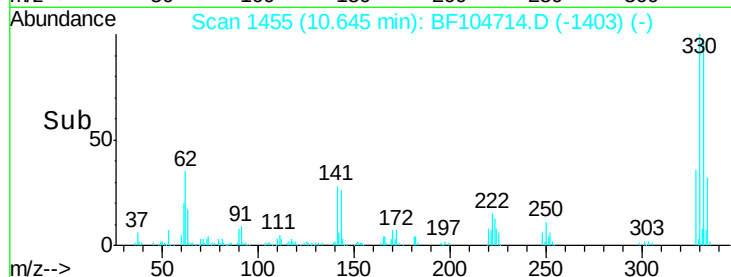
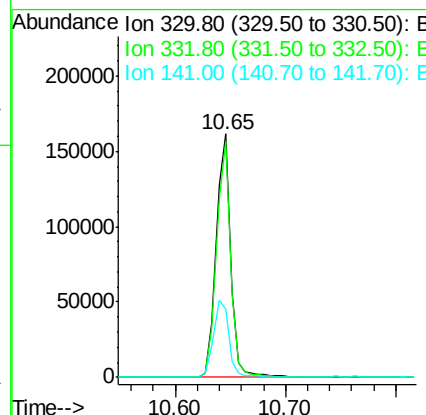
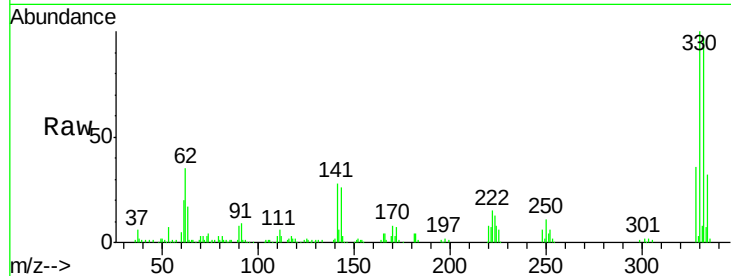
ClientSampleId :

RBR-400028-2171

Tot Ion:	330	Resp:	144817
Ion Ratio	Lower	Upper	
330	100		
332	94.6	77.0	115.6
141	33.7	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 65.936 ng

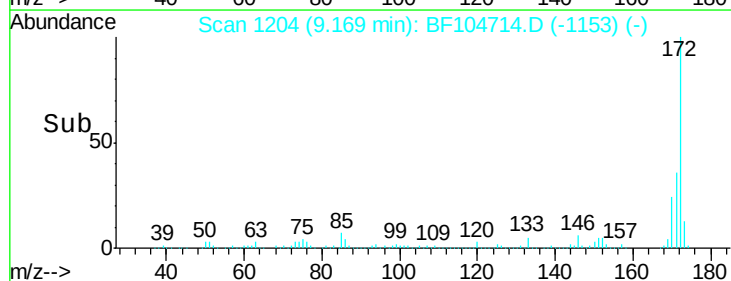
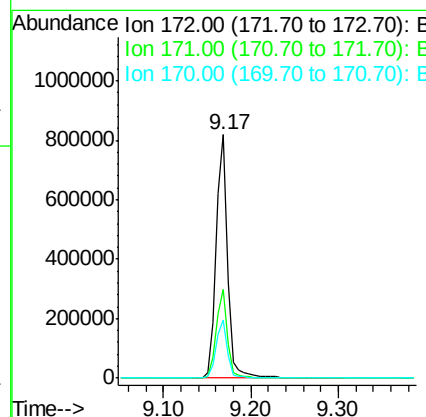
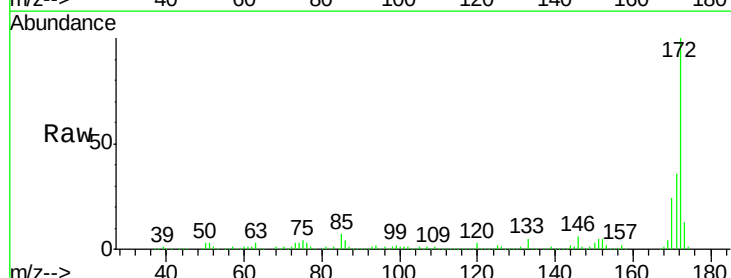
RT: 9.17 min Scan# 1204

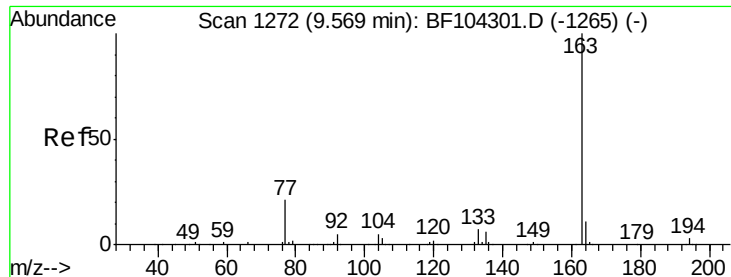
Delta R.T. -0.00 min

Lab File: BF104714.D

Acq: 23 Apr 2018 17:21

Tgt Ion:	172	Resp:	751825
Ion Ratio	Lower	Upper	
172	100		
171	36.5	29.7	44.5
170	23.9	19.6	29.4





#49

Dimethylphthalate

Concen: 4.111 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF104714.D

Acq: 23 Apr 2018 17:21

Instrument :

BNA_F

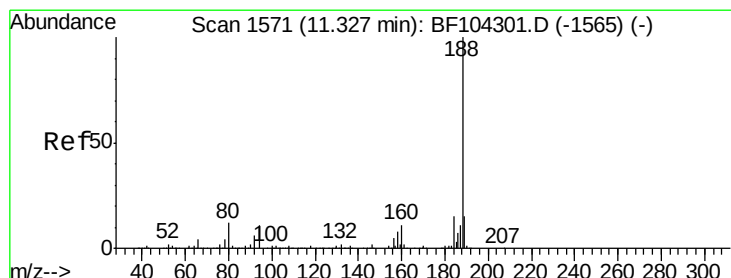
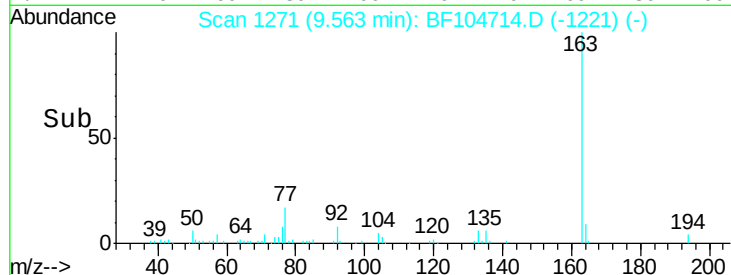
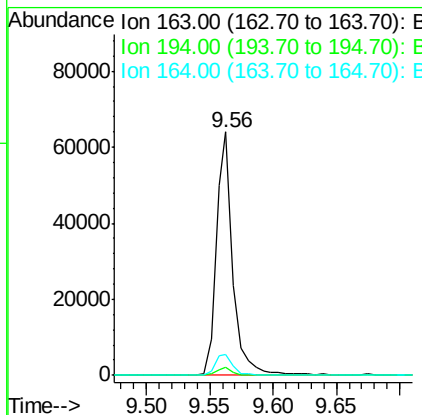
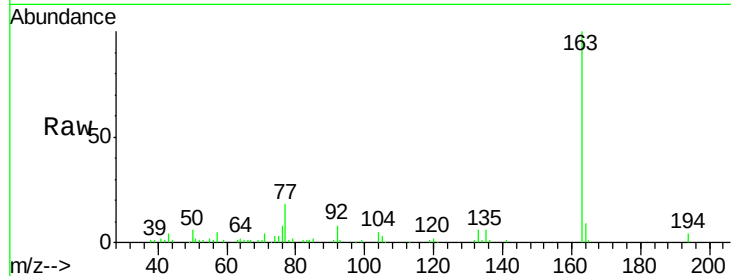
ClientSampleId :

RBR-400028-2171

Tot Ion:	163	Resp:	58394
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.7	4.1
164	8.8	8.2	12.2

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

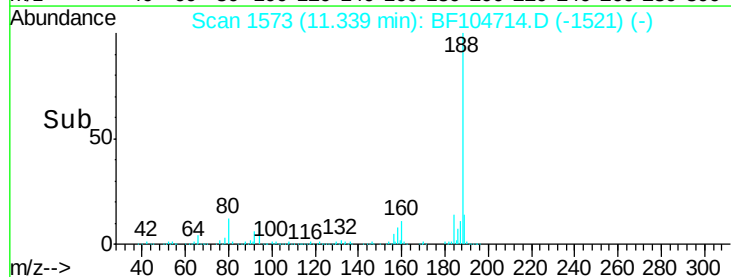
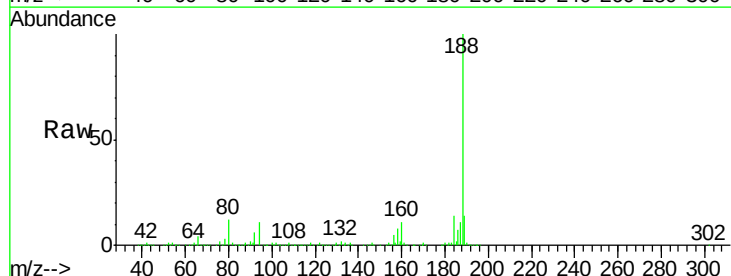
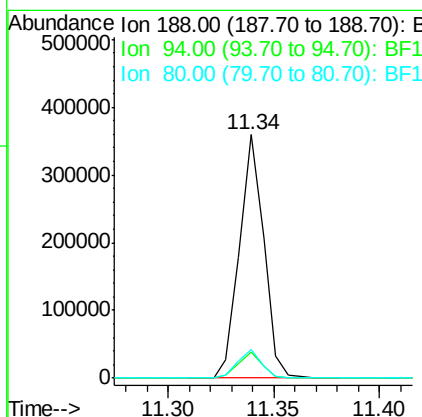
RT: 11.34 min Scan# 1573

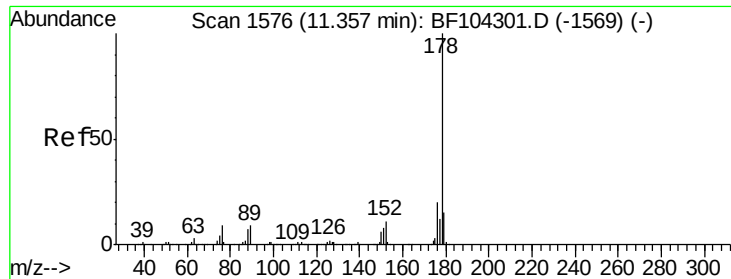
Delta R.T. 0.01 min

Lab File: BF104714.D

Acq: 23 Apr 2018 17:21

Tgt Ion:	188	Resp:	287657
Ion Ratio	Lower	Upper	
188	100		
94	10.5	8.5	12.7
80	11.6	9.2	13.8





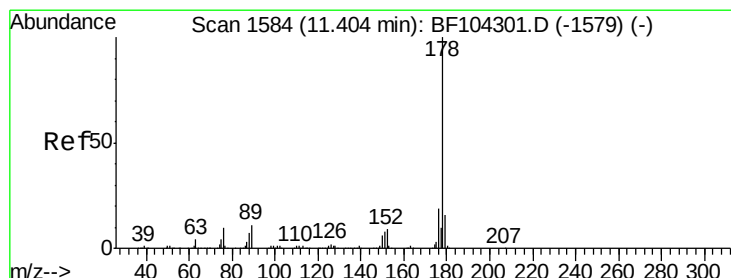
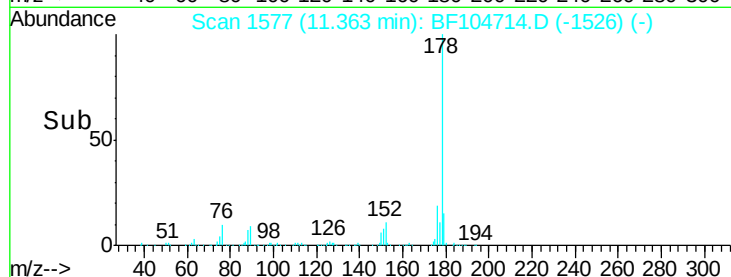
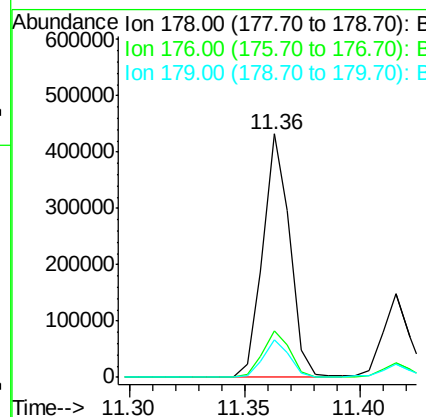
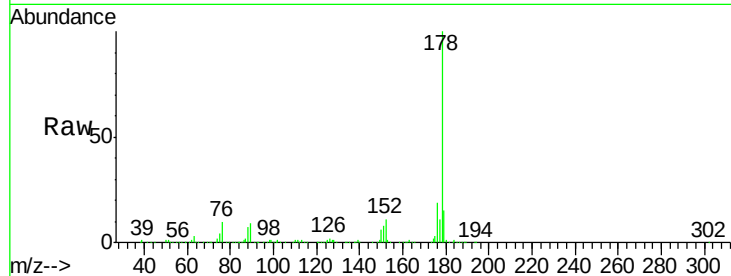
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Phenanthrene
Concen: 22.057 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF104714.D
Acq: 23 Apr 2018 17:21

Instrument :
BNA_F
ClientSampleId :
RBR-400028-2171

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.2	13.0	19.6

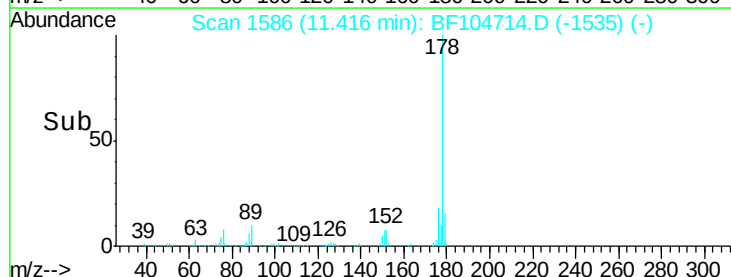
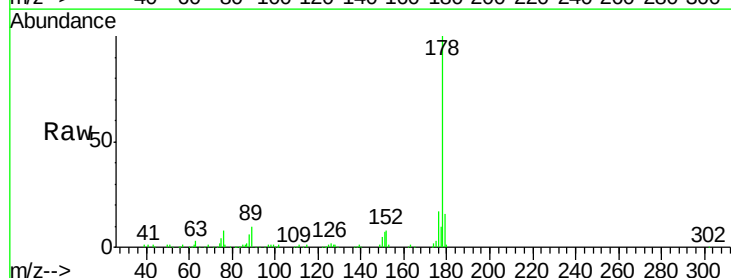
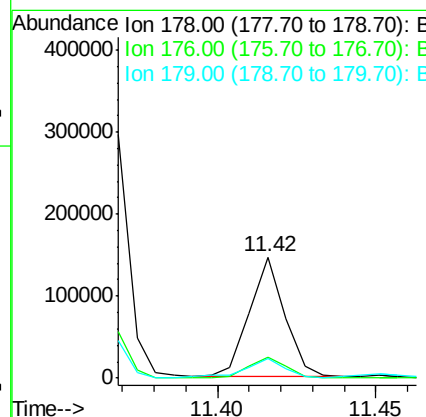
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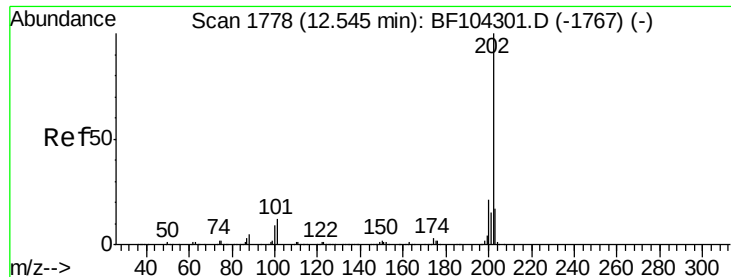
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#71
Anthracene
Concen: 6.917 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF104714.D
Acq: 23 Apr 2018 17:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.2
179	15.9	12.6	19.0





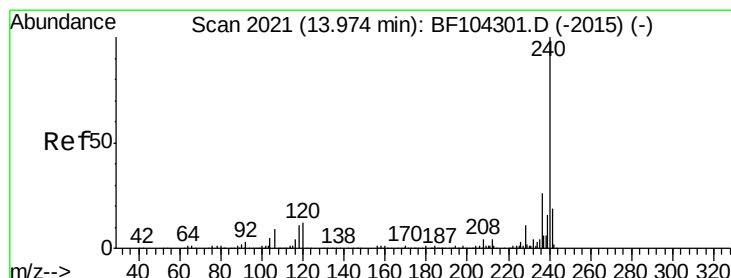
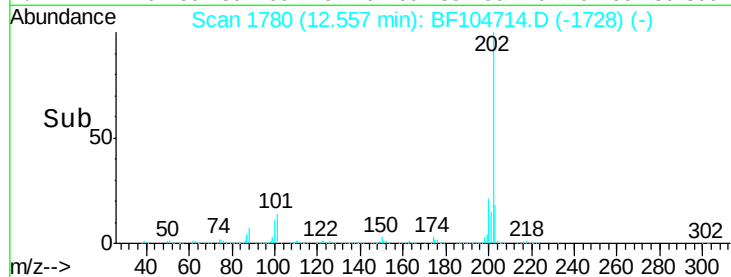
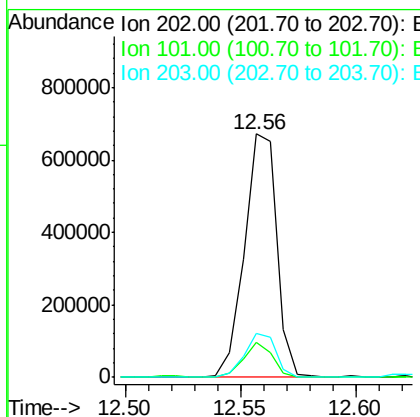
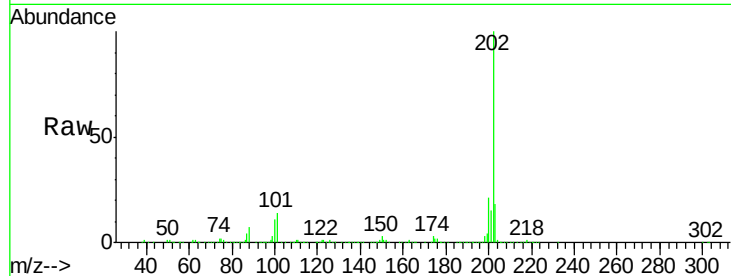
#74
Fluoranthene
Concen: 39.445 ng
RT: 12.56 min Scan# 1780
Delta R.T. 0.01 min
Lab File: BF104714.D
Acq: 23 Apr 2018 17:21

Instrument :
BNA_F
ClientSampleId :
RBR-400028-2171

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	14.2	0.0	34.1		
203	17.9	0.0	38.1		

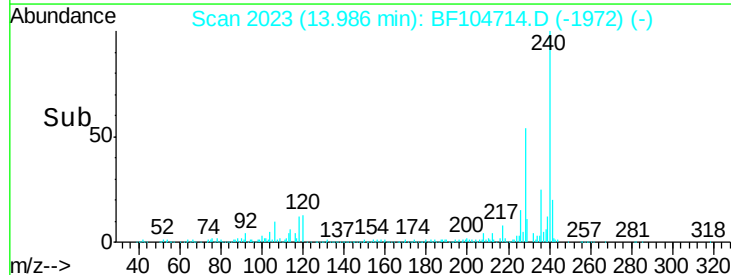
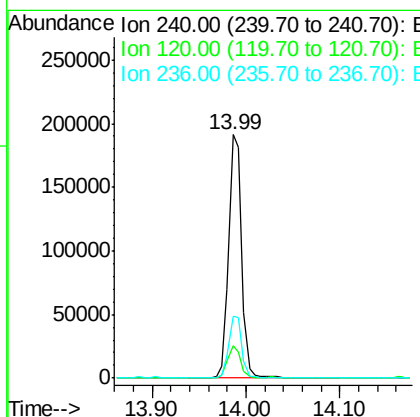
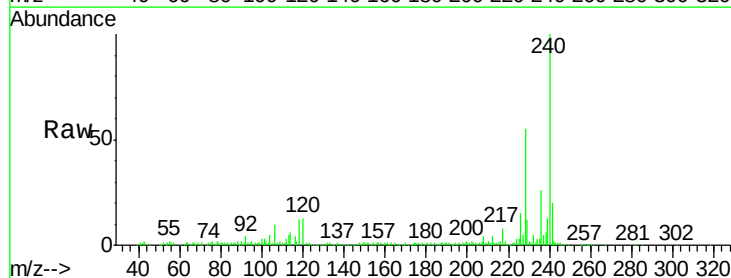
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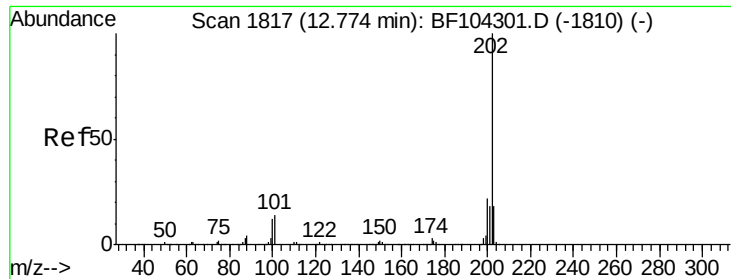
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BF104714.D
Acq: 23 Apr 2018 17:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	13.4	9.5	14.3		
236	25.5	20.7	31.1		





#77

Pvrene

Concen: 42.595 ng

RT: 12.79 min Scan# 1820

Delta R.T. 0.01 min

Lab File: BF104714.D

Acq: 23 Apr 2018 17:21

Instrument :

BNA_F

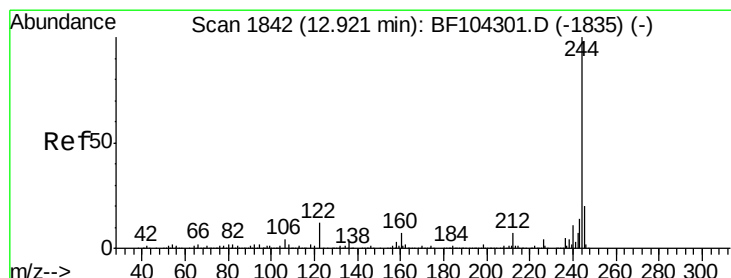
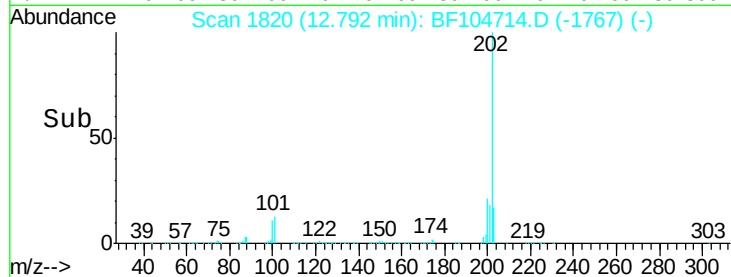
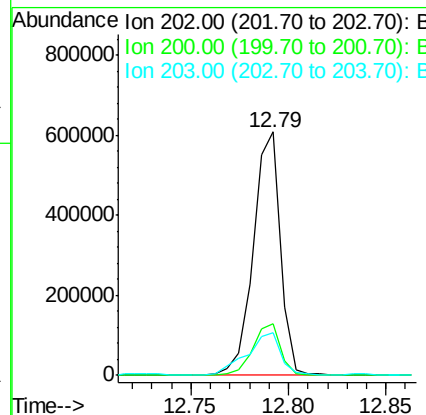
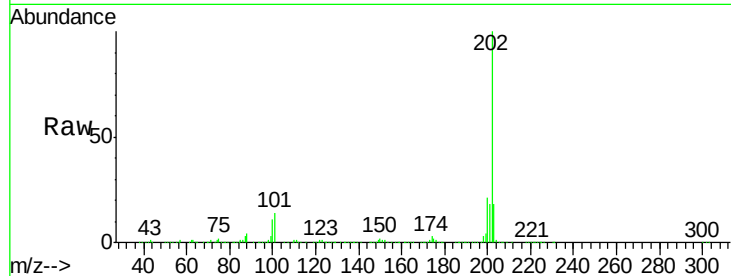
ClientSampleId :

RBR-400028-2171

Tot Ion:	202	Resp:	583240
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	17.6	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 72.333 ng

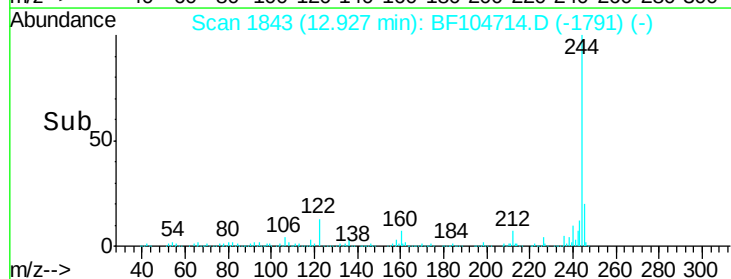
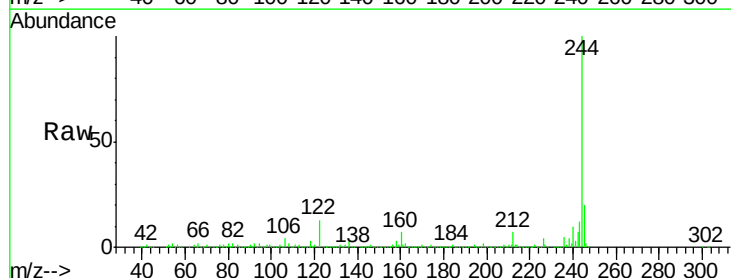
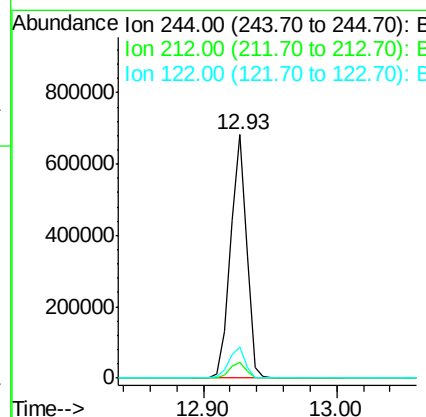
RT: 12.93 min Scan# 1843

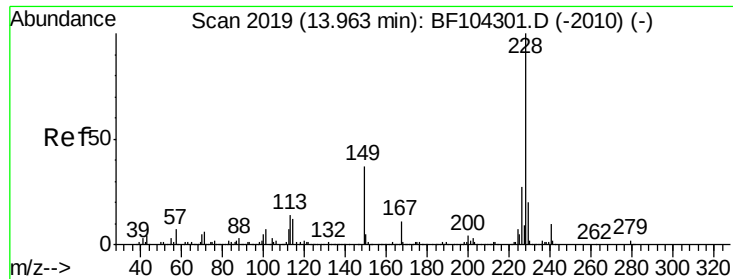
Delta R.T. 0.01 min

Lab File: BF104714.D

Acq: 23 Apr 2018 17:21

Tgt Ion:	244	Resp:	586095
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	12.7	11.0	16.4





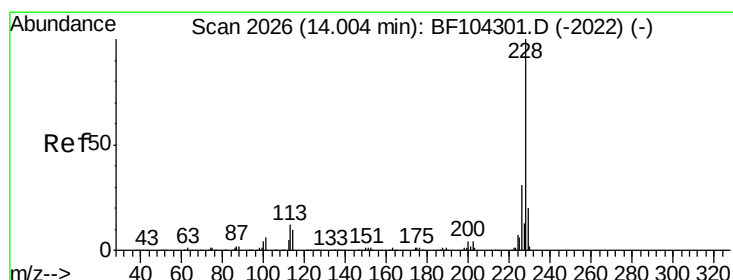
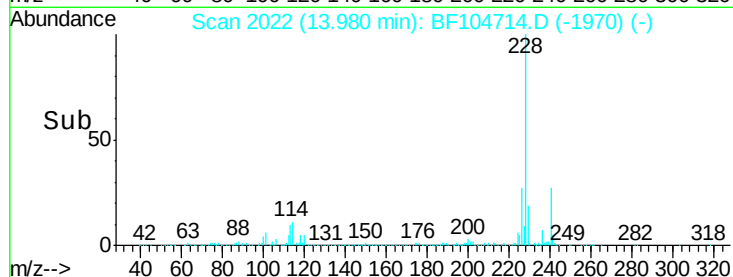
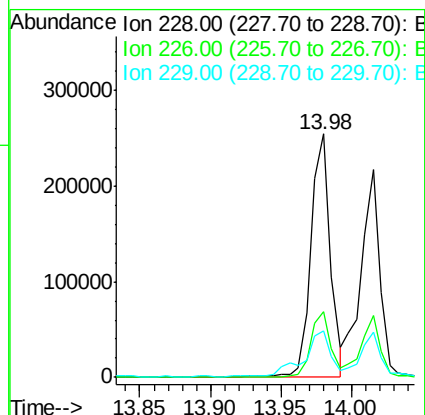
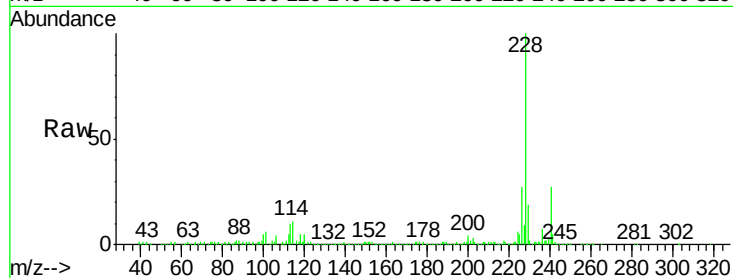
#80
Benzo(a)anthracene
Concen: 21.860 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BF104714.D
Acq: 23 Apr 2018 17:21

Instrument :
BNA_F
ClientSampleId :
RBR-400028-2171

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	19.2	15.8	23.6

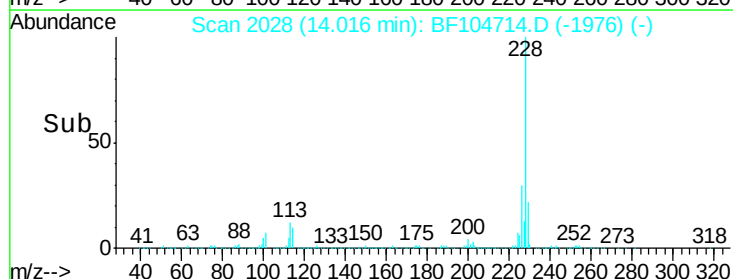
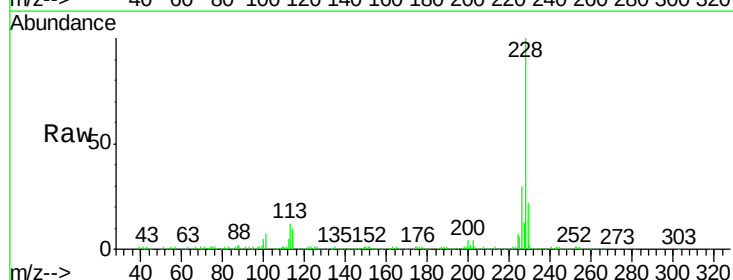
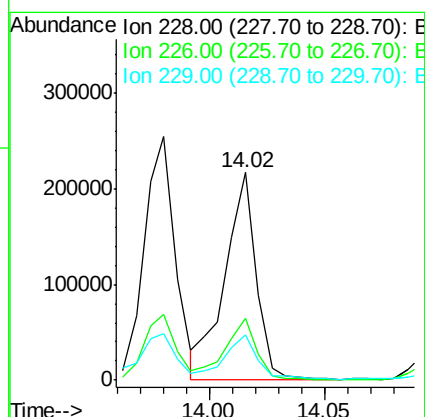
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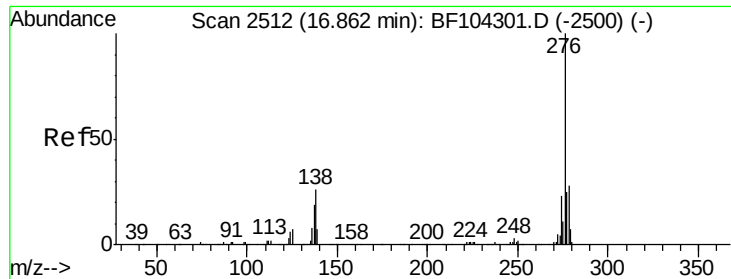
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#82
Chrysene
Concen: 18.090 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF104714.D
Acq: 23 Apr 2018 17:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	21.9	16.2	24.4





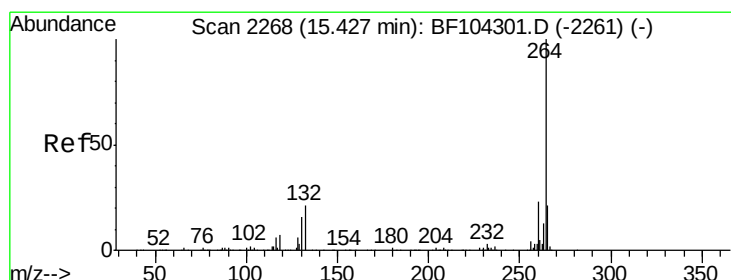
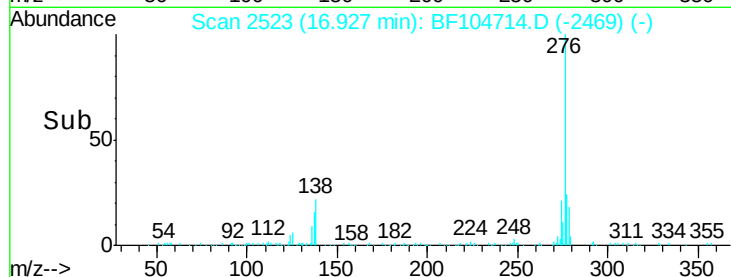
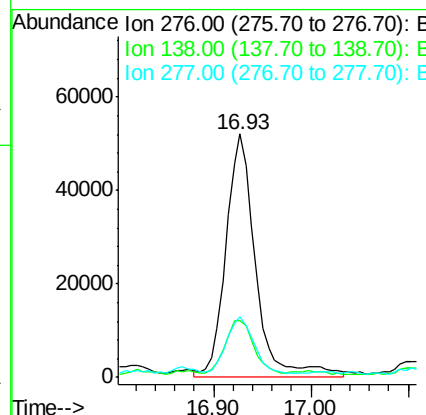
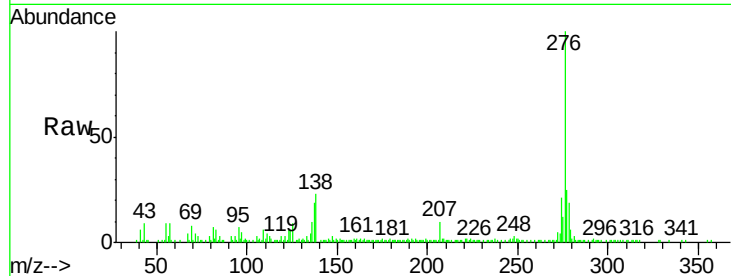
#85
Indeno(1,2,3-cd)pyrene
Concen: 11.490 ng
RT: 16.93 min Scan# 2523
Delta R.T. 0.02 min
Lab File: BF104714.D
Acq: 23 Apr 2018 17:21

Instrument :
BNA_F
ClientSampled :
RBR-400028-2171

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.4	25.0	37.6#
277	3.8	20.1	30.1#

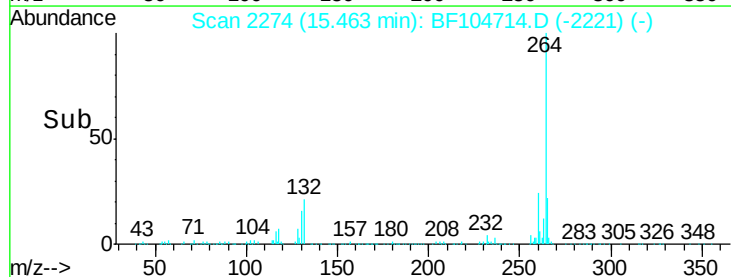
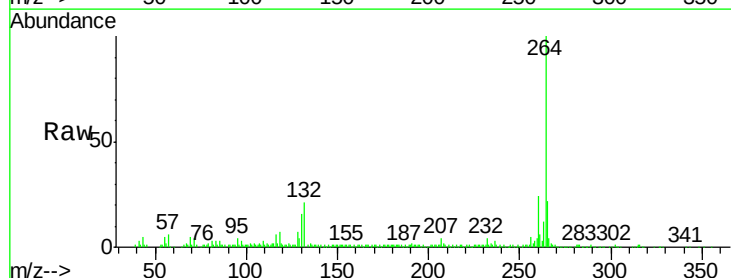
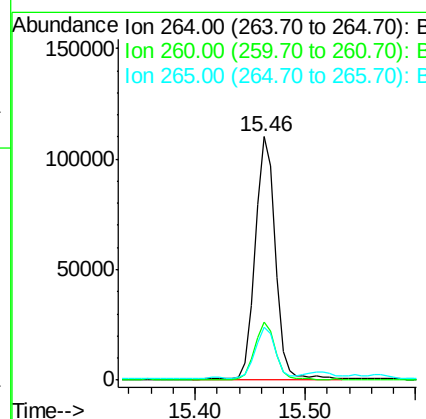
Manual Integrations
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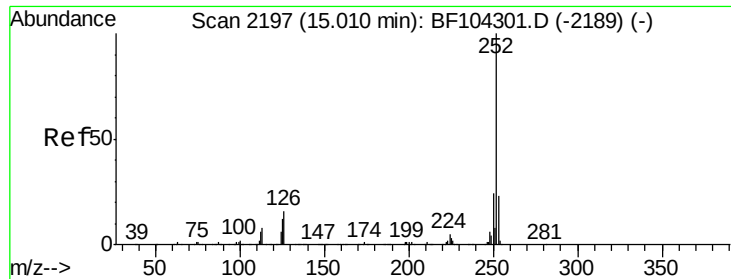
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF104714.D
Acq: 23 Apr 2018 17:21

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





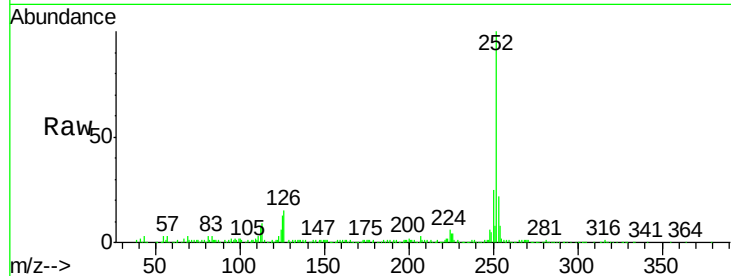
#87
Benzo(b)fluoranthene
Concen: 25.223 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF104714.D
Acq: 23 Apr 2018 17:21

Instrument :
BNA_F
ClientSampleId :
RBR-400028-2171

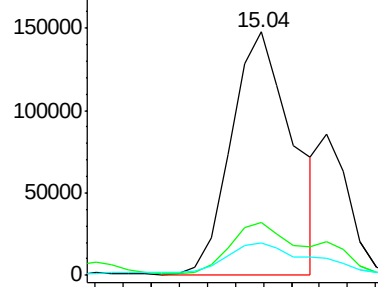
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	13.3	9.0	13.6

Manual Integrations
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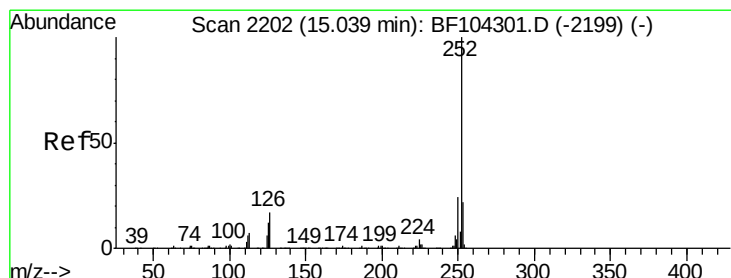
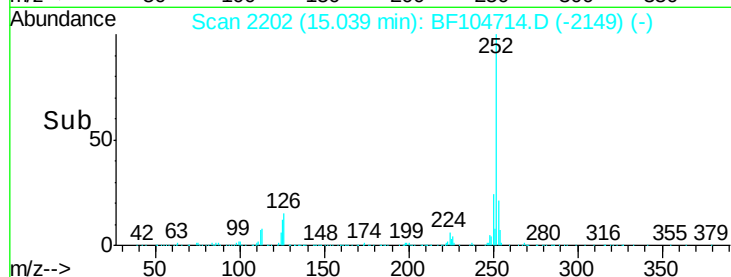
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



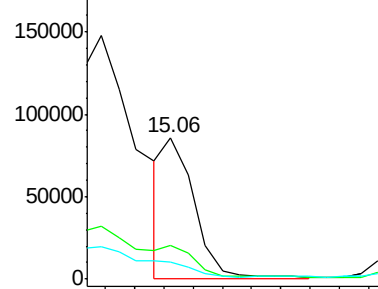
Time-->



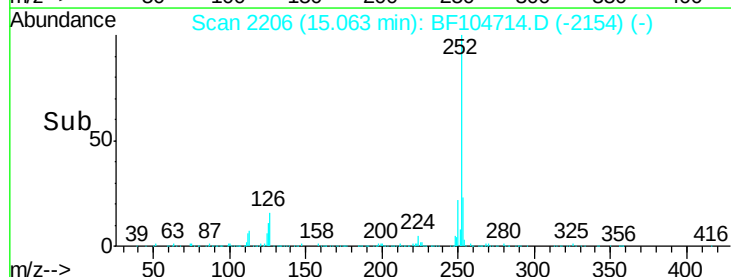
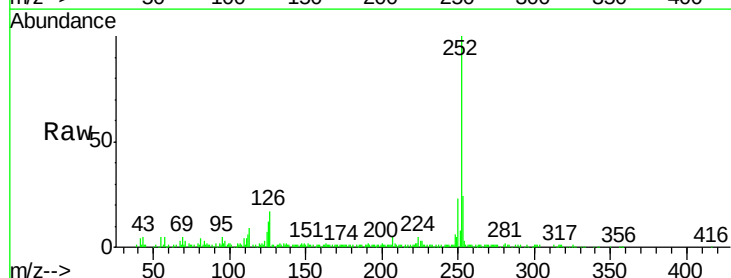
#88
Benzo(k)fluoranthene
Concen: 7.500 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF104714.D
Acq: 23 Apr 2018 17:21

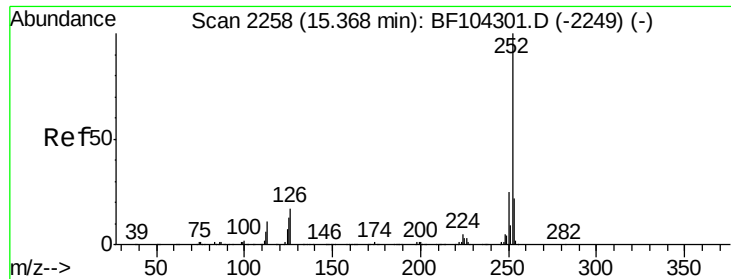
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	12.5	10.2	15.2

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





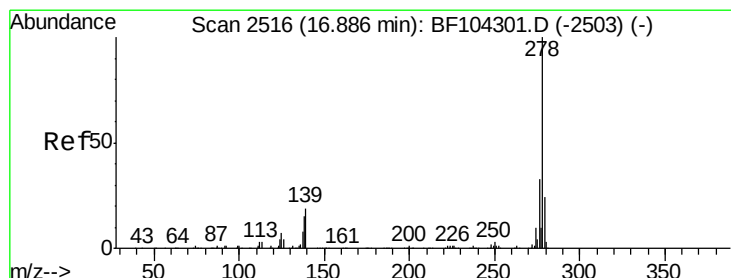
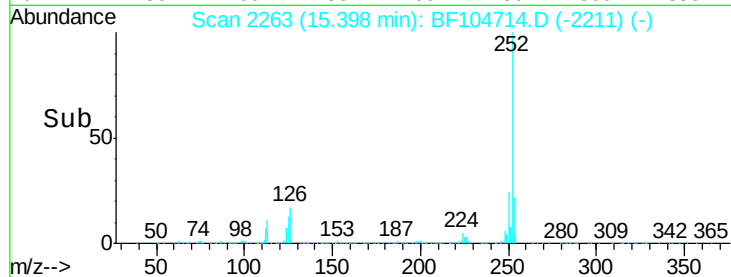
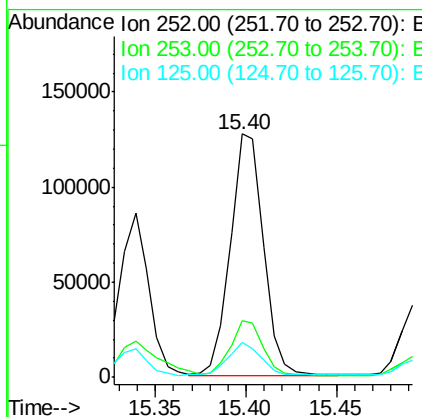
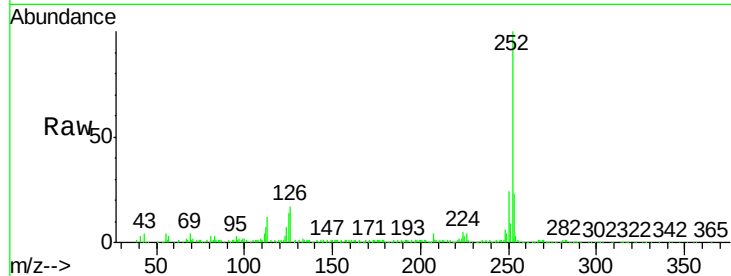
#89
Benzo(a)pyrene
Concen: 20.358 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF104714.D
Acq: 23 Apr 2018 17:21

Instrument :
BNA_F
ClientSampled :
RBR-400028-2171

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	14.5	9.8	14.6

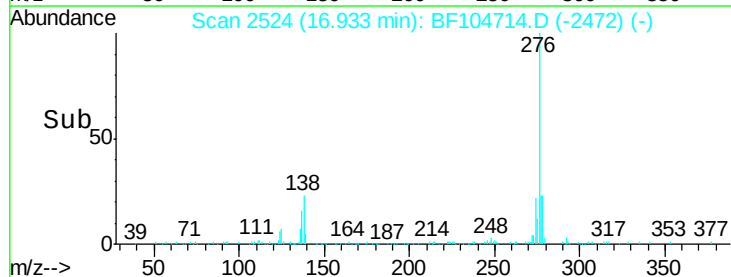
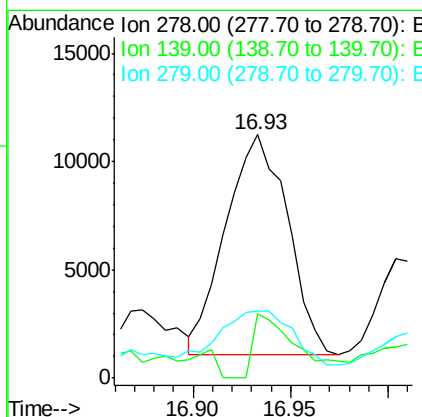
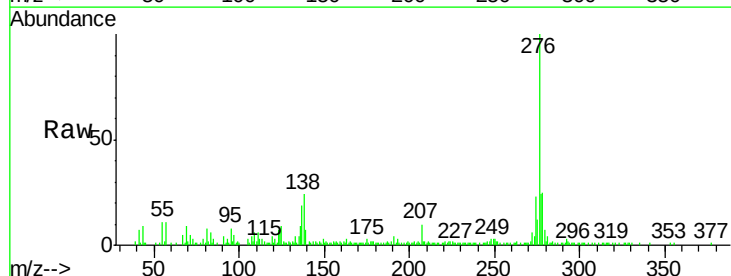
Manual Integrations
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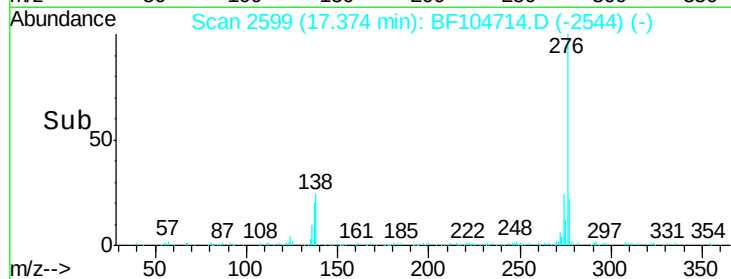
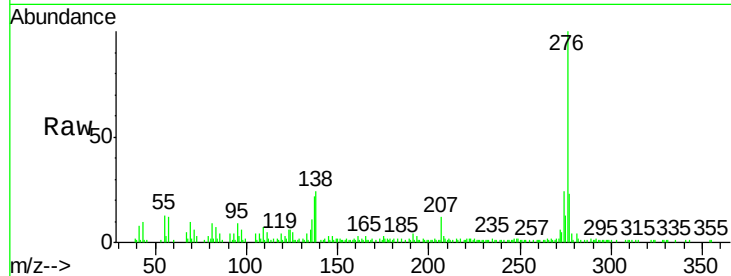
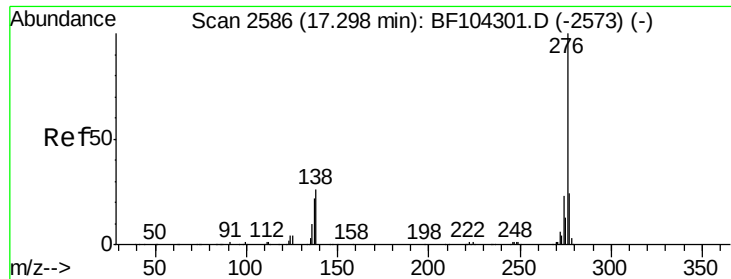
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#90
Dibenzo(a,h)anthracene
Concen: 3.369 ng
RT: 16.93 min Scan# 2524
Delta R.T. 0.01 min
Lab File: BF104714.D
Acq: 23 Apr 2018 17:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.7	15.9	23.9#
279	27.5	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 14.232 ng

RT: 17.37 min Scan# 2599

Delta R.T. 0.02 min

Lab File: BF104714.D

Acq: 23 Apr 2018 17:21

Instrument :

BNA_F

ClientSampleId :

RBR-400028-2171

Tot Ion:	276	Resp:	90522
Ion Ratio	Lower	Upper	
276	100		
277	23.4	17.9	26.9
138	24.4	21.8	32.8

Manual Integrations
APPROVED

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