

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104723.D
 Acq On : 23 Apr 2018 21:21
 Operator : JU/SJ
 Sample : J2500-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-400028-2171

Manual Integrations
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Sohil
 4/24/2018 3:49:05 PM

Quant Time: Apr 24 09:27:14 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	112901	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	451507	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	186478	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	296108	20.00	ng	0.00
75) Chrysene-d12	13.99	240	192181	20.00	ng	0.00
86) Perylene-d12	15.46	264	153357	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	655488	88.77	ng	0.01
7) Phenol-d6	6.45	99	781550	86.15	ng	0.00
23) Nitrobenzene-d5	7.37	82	432153	62.50	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	154434	79.84	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	762331	64.58	ng	0.00
78) Terphenyl-d14	12.93	244	590272	70.02	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.56	163	61398	4.175	ng	98
70) Phenanthrene	11.36	178	368992	22.377	ng	99
71) Anthracene	11.42	178	117956	7.037	ng	98
74) Fluoranthene	12.56	202	667450	38.740	ng	99
77) Pyrene	12.79	202	592929	41.623	ng	99
80) Benzo(a)anthracene	13.97	228	252369	21.981	ng	100
82) Chrysene	14.02	228	214184	18.162	ng	98
85) Indeno(1,2,3-cd)pyrene	16.93	276	103204m	10.302	ng	
87) Benzo(b)fluoranthene	15.03	252	235075m	24.270	ng	
88) Benzo(k)fluoranthene	15.06	252	82850m	9.060	ng	
89) Benzo(a)pyrene	15.40	252	174382	20.122	ng	95
90) Dibenzo(a,h)anthracene	16.93	278	23369	3.283	ng	# 88
91) Benzo(a,h,i)perylene	17.37	276	95790	13.891	ng	98

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

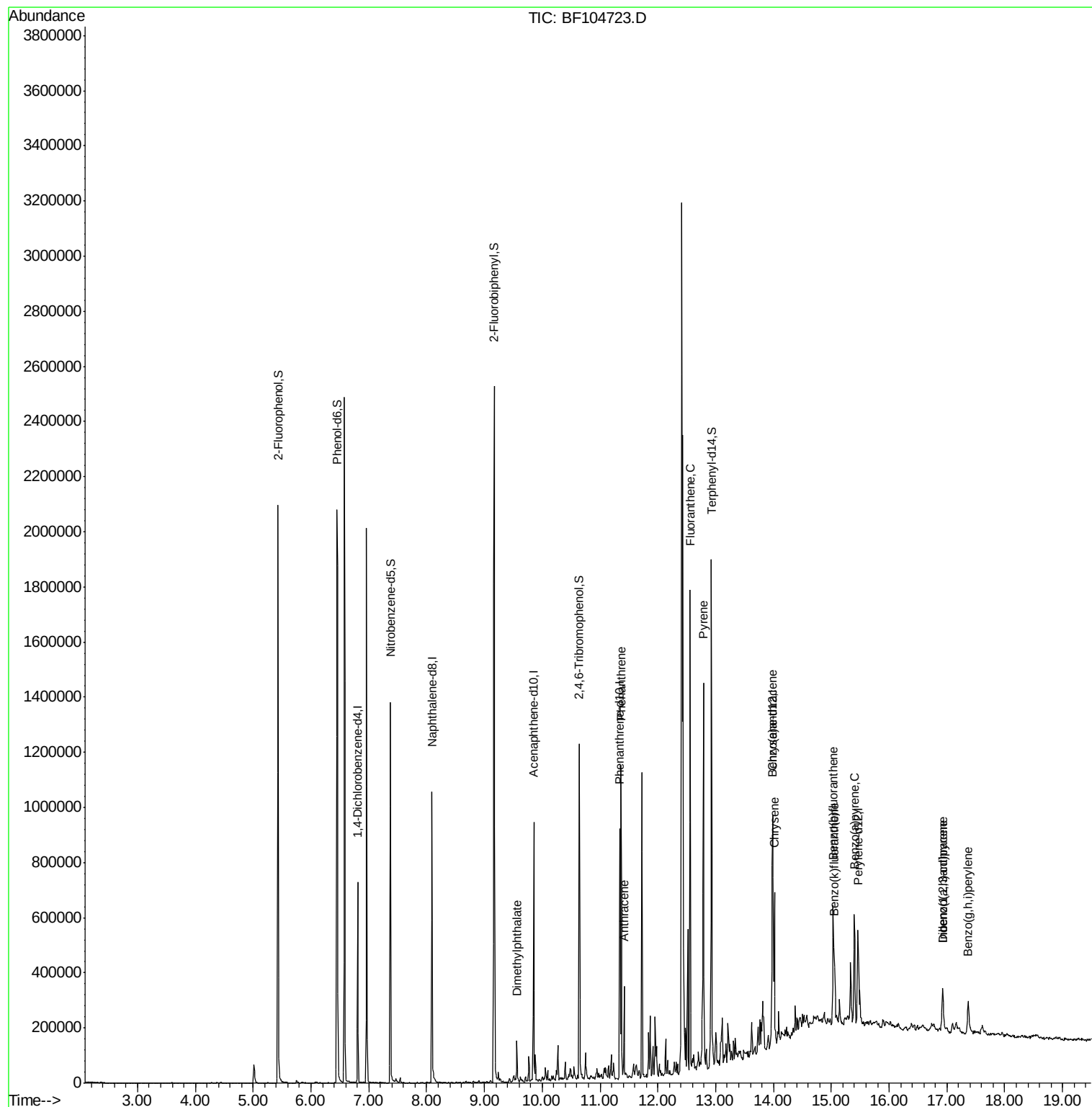
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
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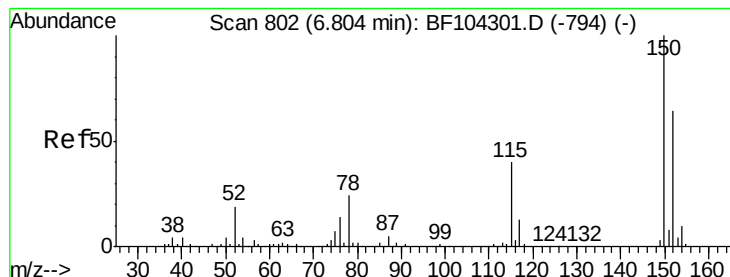
Instrument :
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Quant Time: Apr 24 09:27:14 2018
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

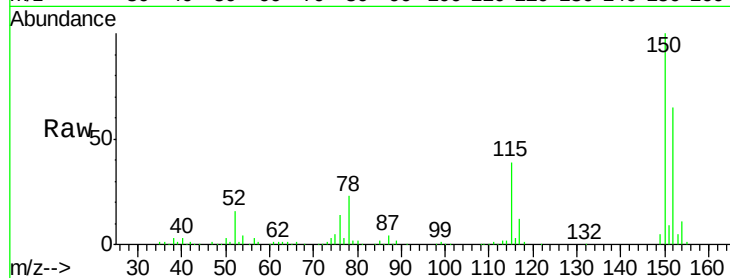
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

Instrument :
BNA_F
ClientSampleId :
RBR-400028-2171

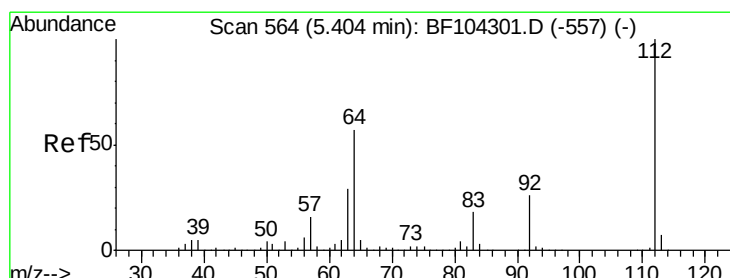
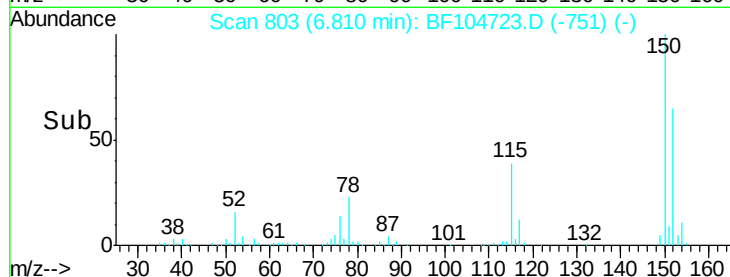
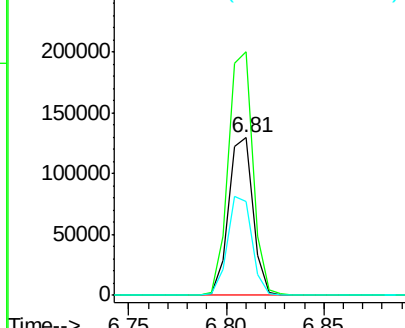
Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.6	186.8
115	59.6	50.1	75.1

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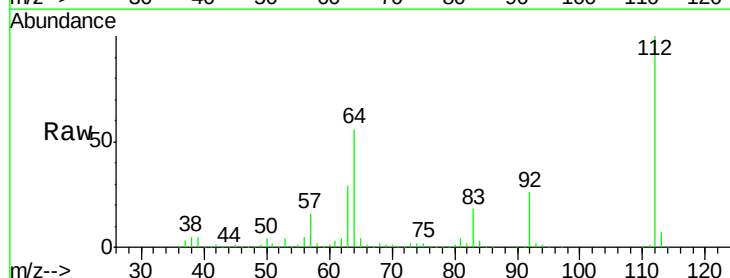
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



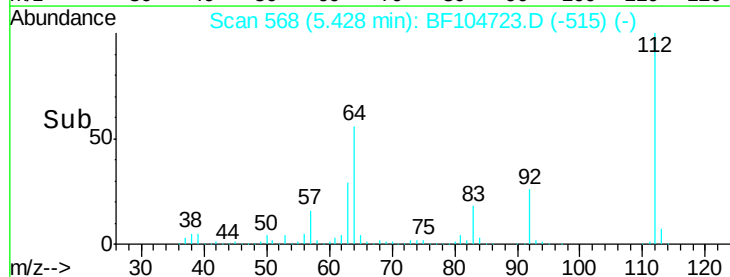
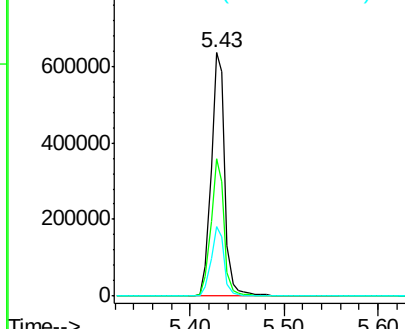
#5

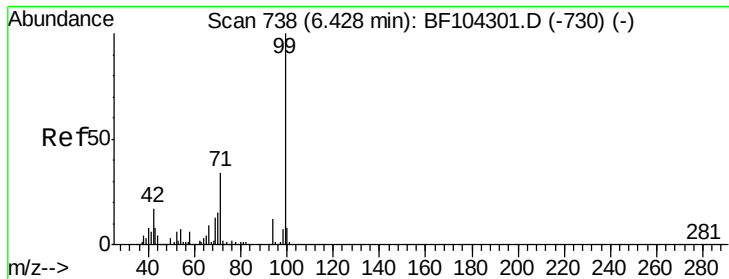
2-Fluorophenol
Concen: 88.775 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	47.9	71.9
63	28.6	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 86.148 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104723.D

Acq: 23 Apr 2018 21:21

Instrument :

BNA_F

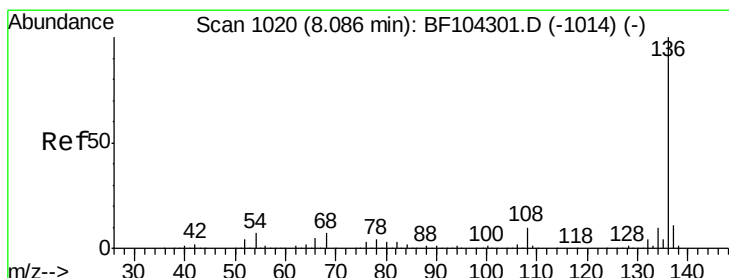
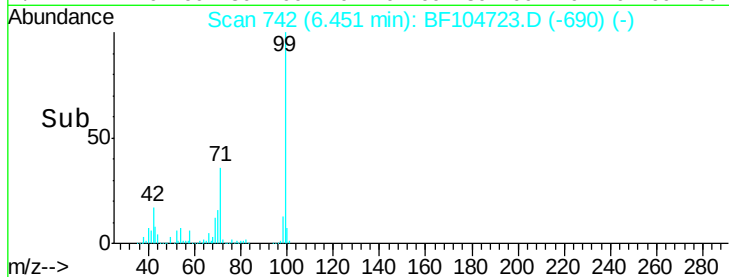
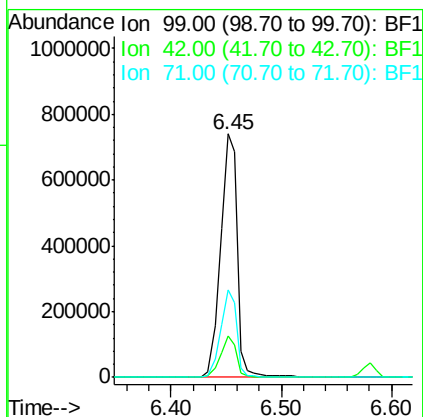
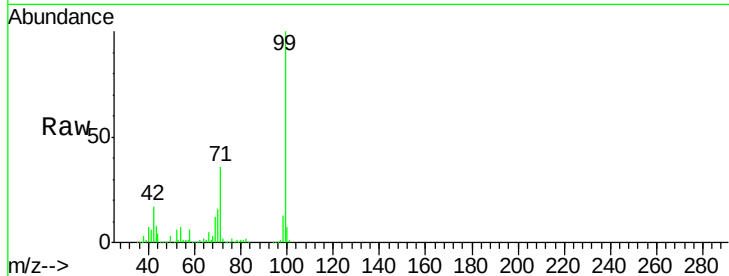
ClientSampleId :

RBR-400028-2171

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		781550		
42	16.9	14.5	21.7		
71	35.8	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

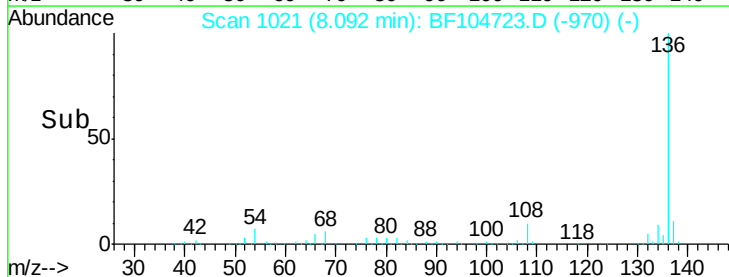
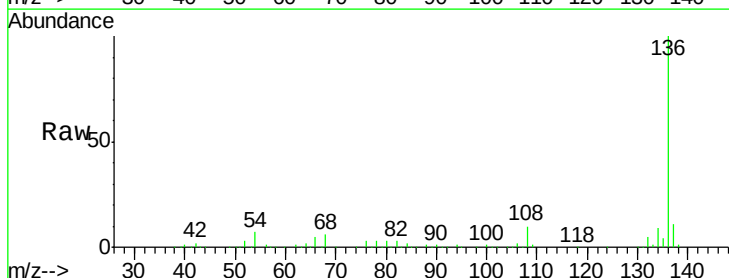
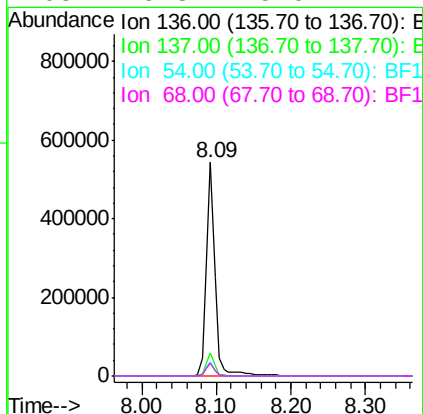
RT: 8.09 min Scan# 1021

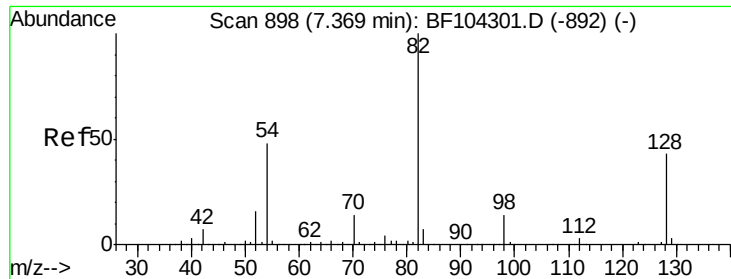
Delta R.T. -0.00 min

Lab File: BF104723.D

Acq: 23 Apr 2018 21:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		451507		
137	11.1	8.9	13.3		
54	6.5	6.6	9.8		
68	5.8	5.0	7.4		





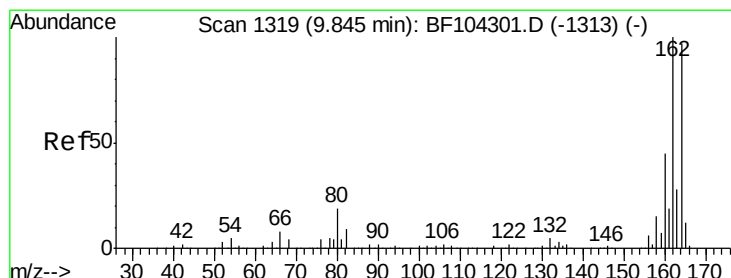
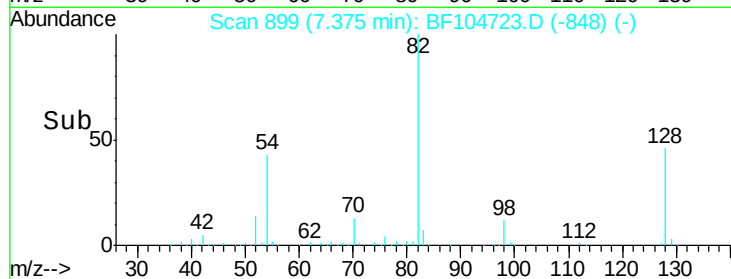
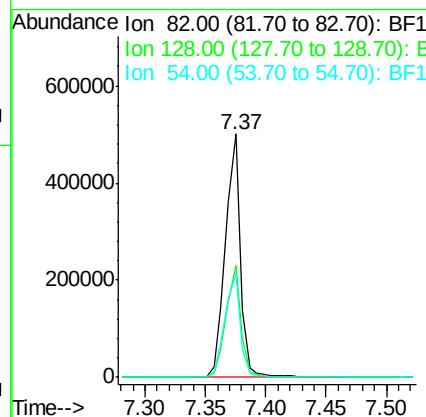
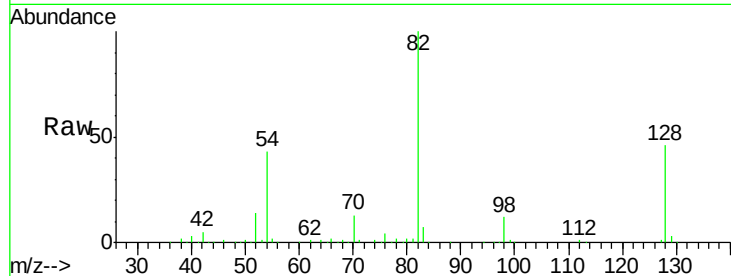
#23
Nitrobenzene-d5
Concen: 62.499 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

Instrument :
BNA_F
ClientSampleId :
RBR-400028-2171

Tot Ion	82	Resp	432153
Ion Ratio	100	Lower	Upper
128	45.8	36.1	54.1
54	42.6	41.4	62.2

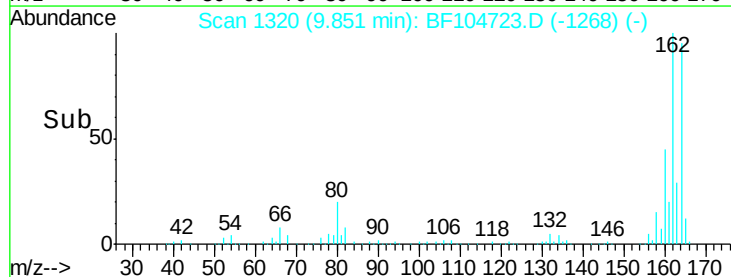
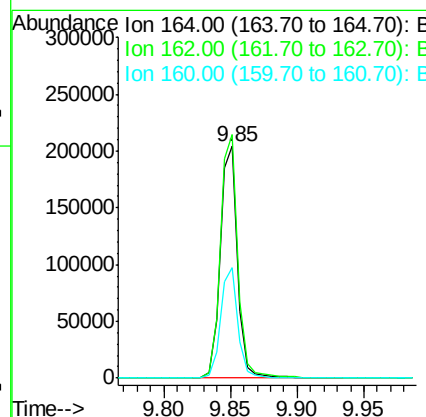
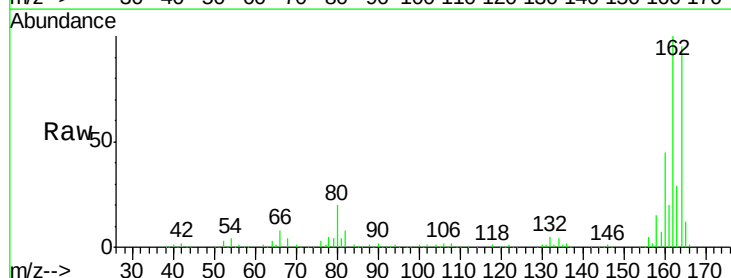
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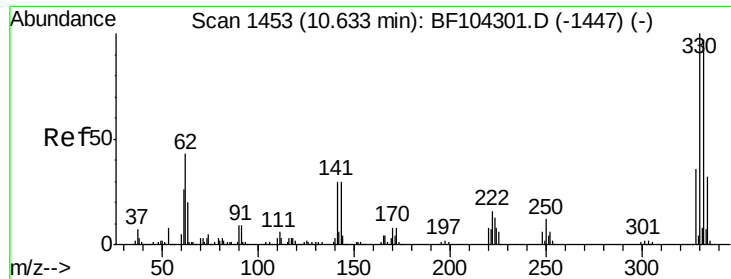
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.01 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

Tgt Ion	164	Resp	186478
Ion Ratio	100	Lower	Upper
162	104.9	86.1	129.1
160	47.7	38.3	57.5





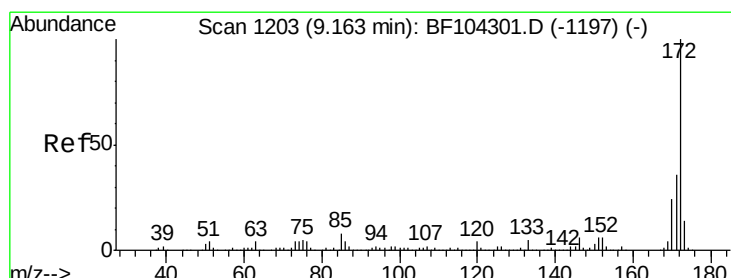
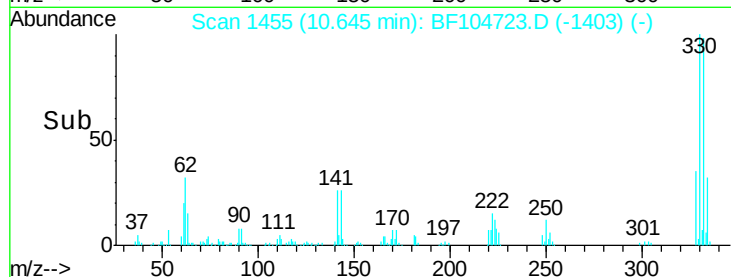
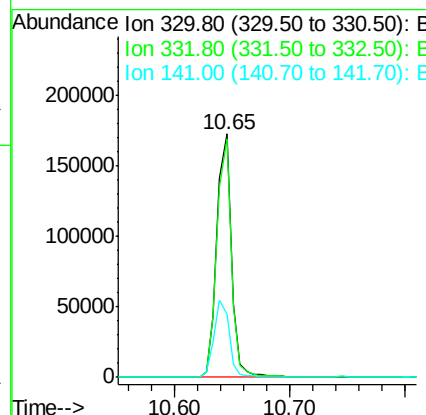
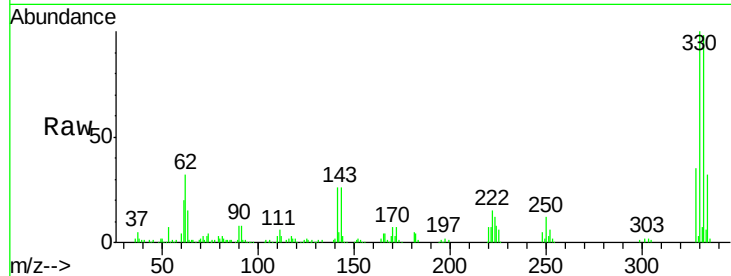
#41
 2,4,6-Tribromophenol
 Concen: 79.836 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104723.D
 Acq: 23 Apr 2018 21:21

Instrument :
 BNA_F
 ClientSampleId :
 RBR-400028-2171

Tot Ion	Ratio	Resp	Lower	Upper
330	100	154434		
332	97.1	77.0	115.6	
141	33.6	29.9	44.9	

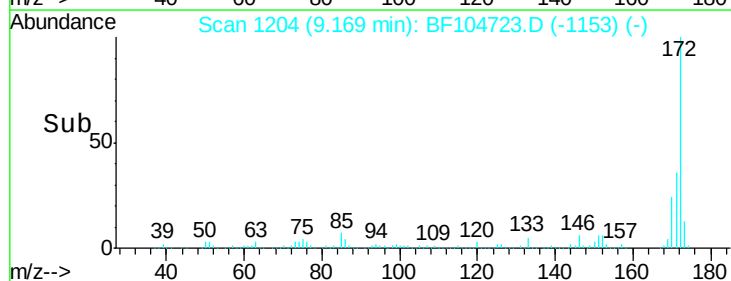
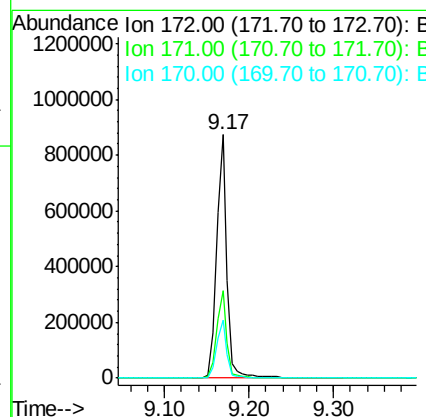
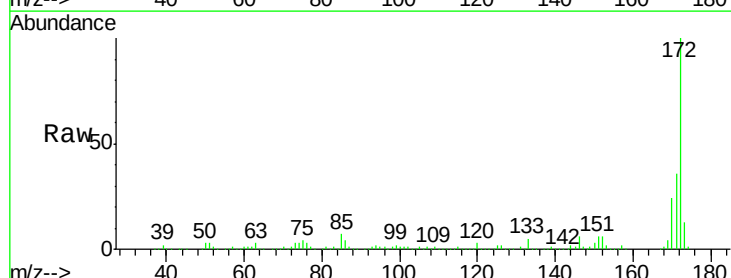
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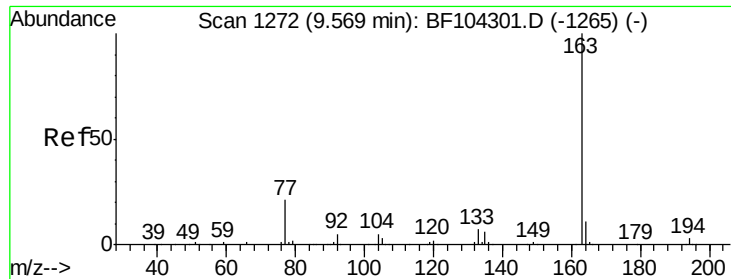
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#44
 2-Fluorobiphenyl
 Concen: 64.581 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104723.D
 Acq: 23 Apr 2018 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	762331		
171	35.7	29.7	44.5	
170	23.8	19.6	29.4	





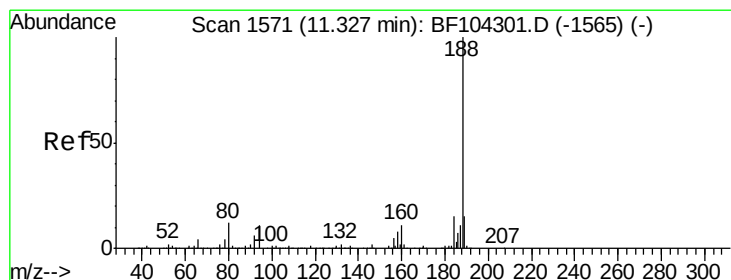
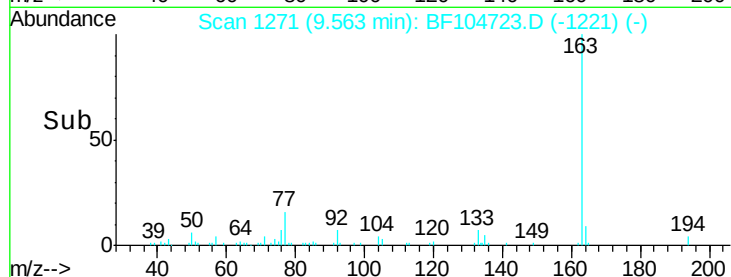
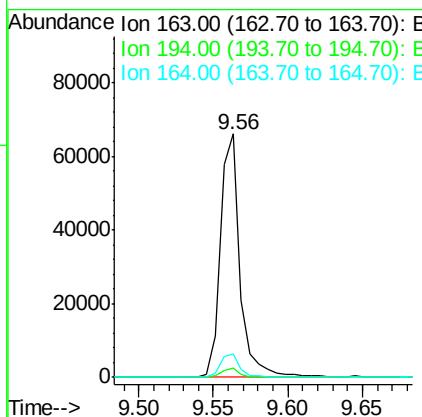
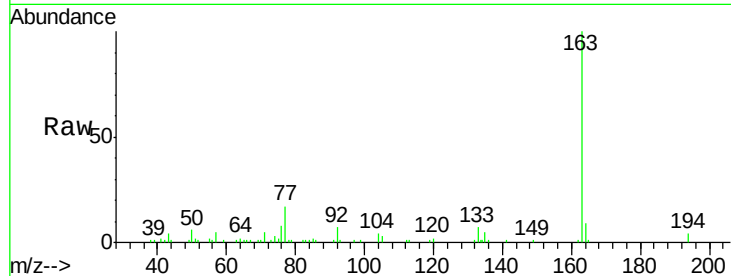
#49
Dimethylphthalate
Concen: 4.175 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

Instrument :
BNA_F
ClientSampleId :
RBR-400028-2171

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		61398		
194	3.7		2.7	4.1	
164	9.5		8.2	12.2	

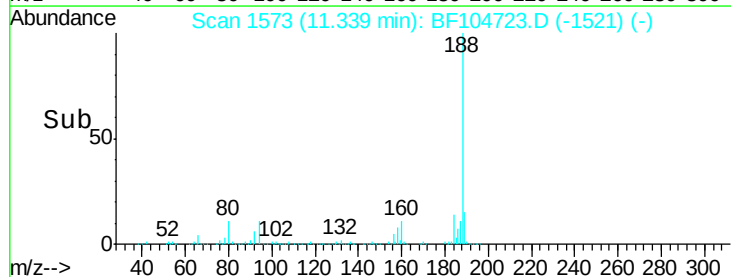
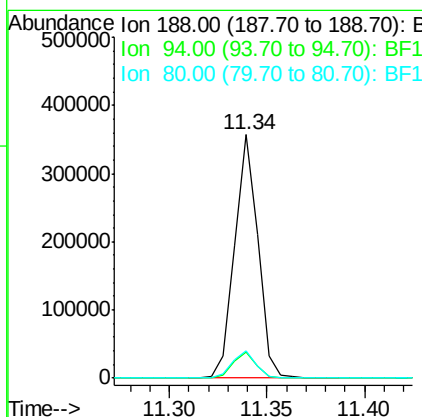
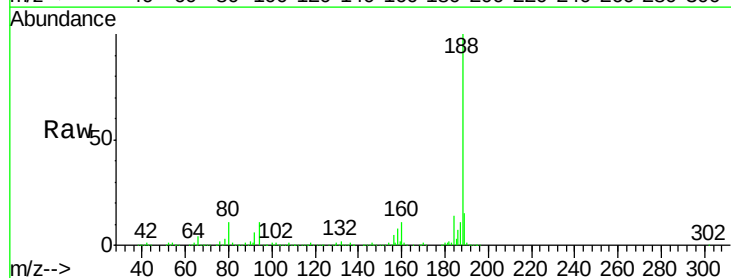
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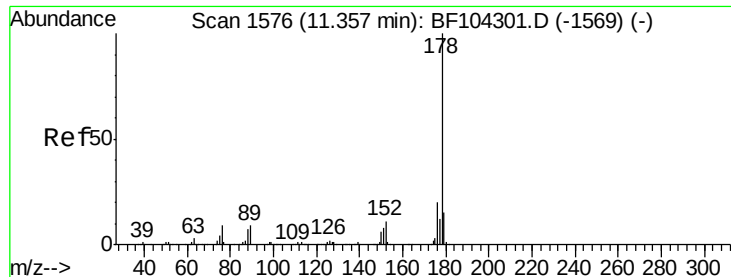
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		296108		
94	10.6		8.5	12.7	
80	11.3		9.2	13.8	





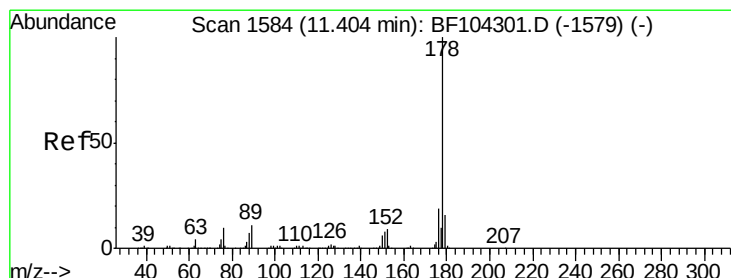
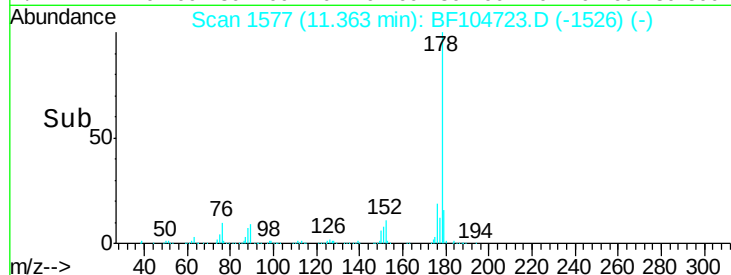
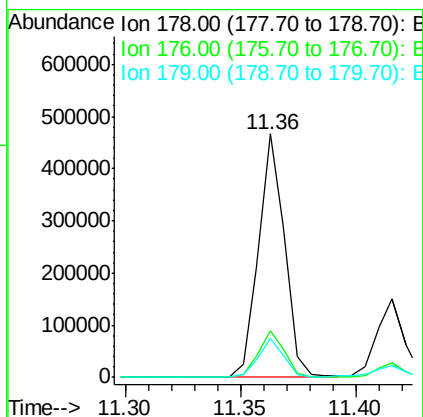
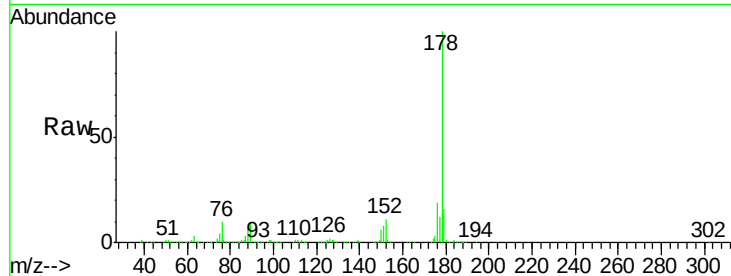
#70
Phenanthrene
Concen: 22.377 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

Instrument :
BNA_F
ClientSampleId :
RBR-400028-2171

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.7	13.0	19.6

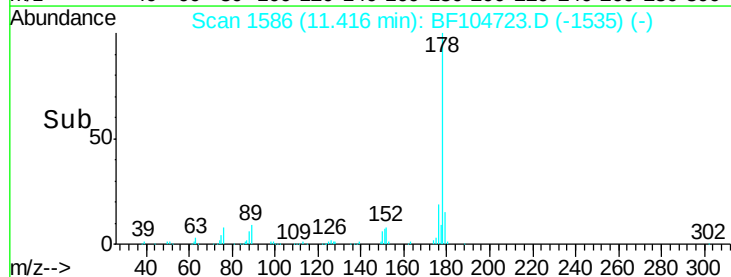
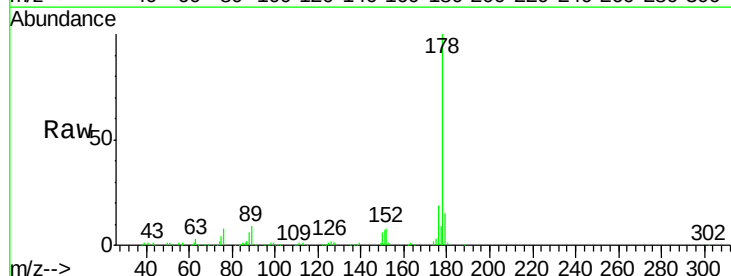
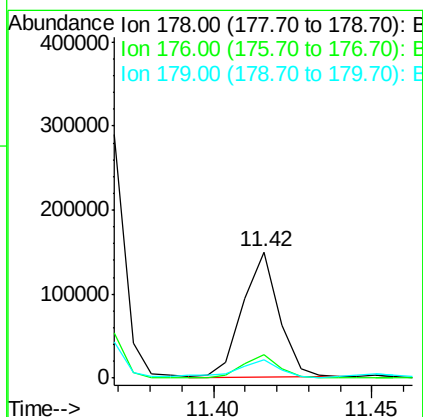
Manual Integrations
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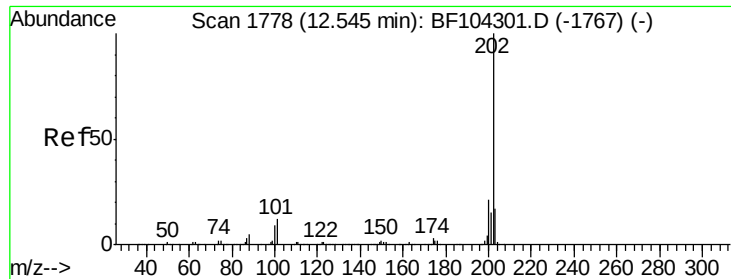
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#71
Anthracene
Concen: 7.037 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	14.9	12.6	19.0





#74

Fluoranthene

Concen: 38.740 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BF104723.D

Acq: 23 Apr 2018 21:21

Instrument :

BNA_F

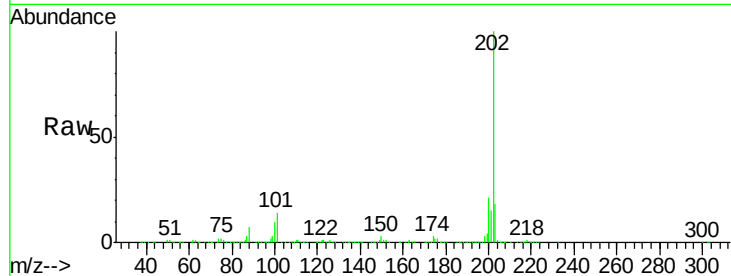
ClientSampleId :

RBR-400028-2171

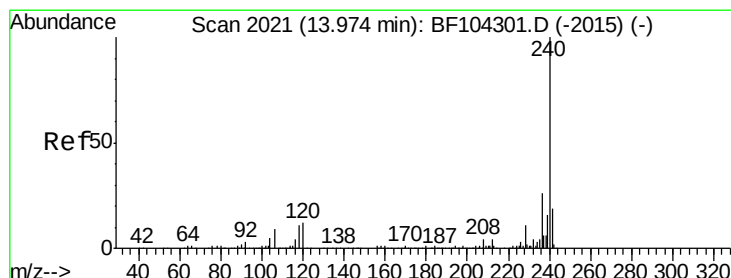
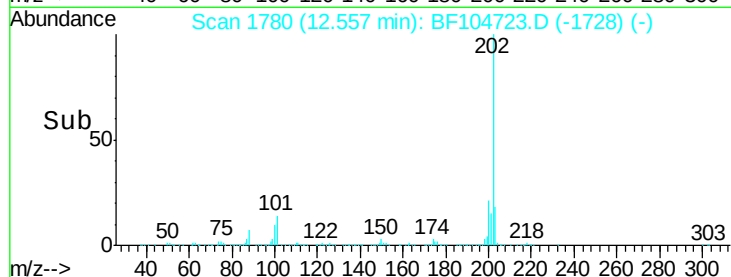
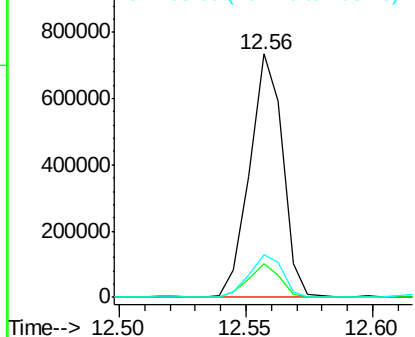
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		667450		
101	14.0	0.0	34.1		
203	17.6	0.0	38.1		

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

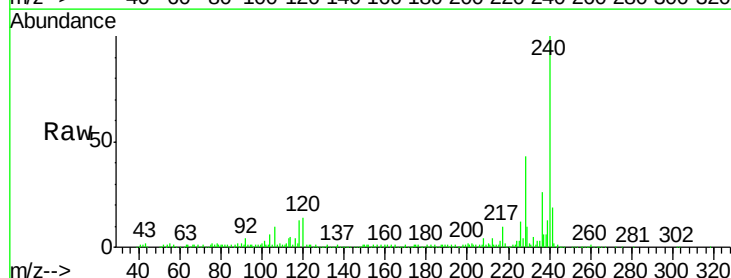
RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

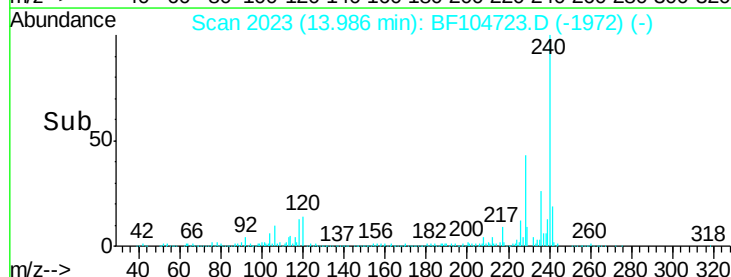
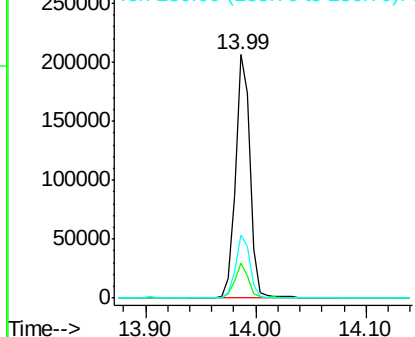
Lab File: BF104723.D

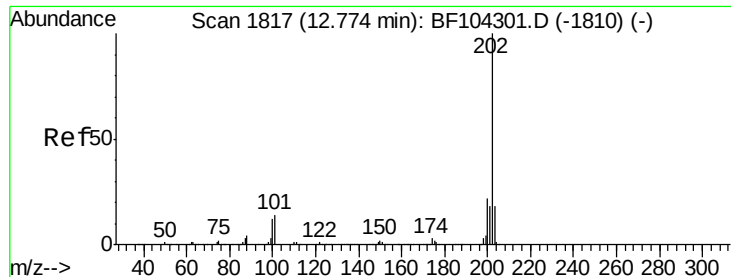
Acq: 23 Apr 2018 21:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		192181		
120	14.2	9.5	14.3		
236	26.1	20.7	31.1		



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

Pvrene

Concen: 41.623 ng

RT: 12.79 min Scan# 1820

Delta R.T. 0.01 min

Lab File: BF104723.D

Acq: 23 Apr 2018 21:21

Instrument :

BNA_F

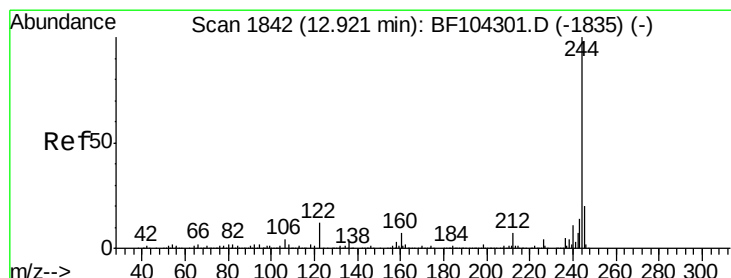
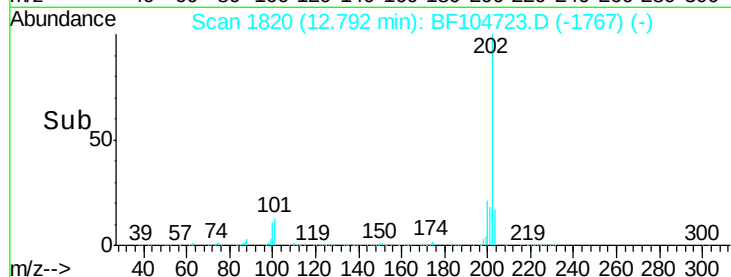
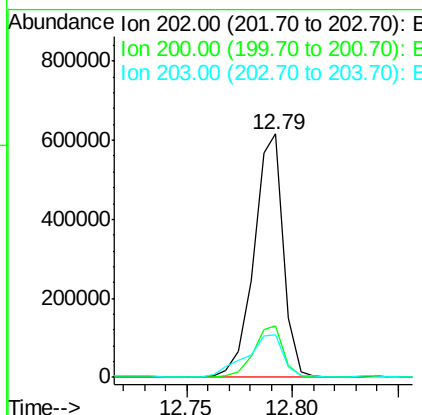
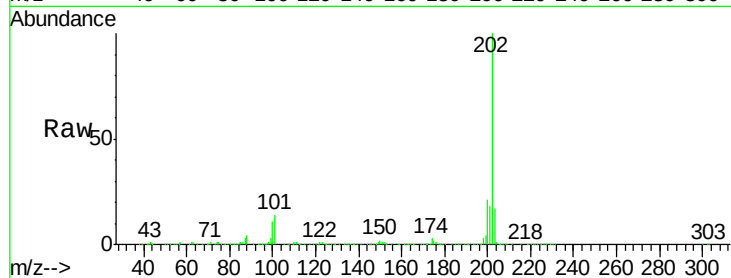
ClientSampleId :

RBR-400028-2171

Tot Ion:	202	Resp:	592929
Ion Ratio		Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.4	14.3	21.5

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#78

Terphenyl-d14

Concen: 70.024 ng

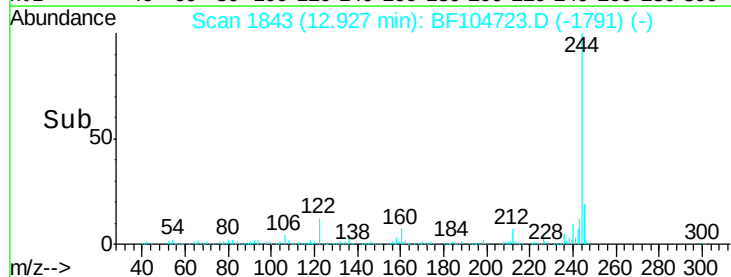
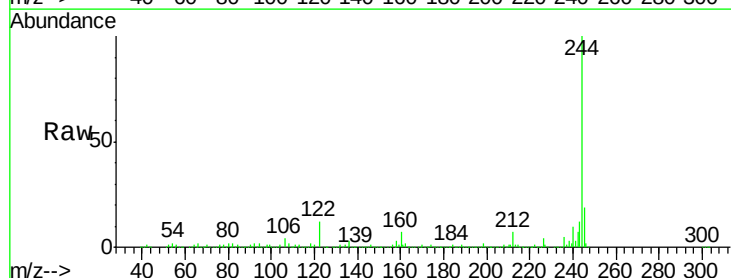
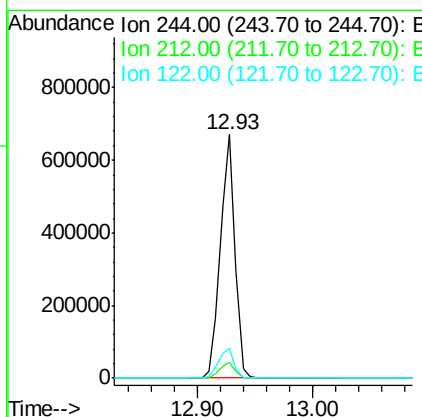
RT: 12.93 min Scan# 1843

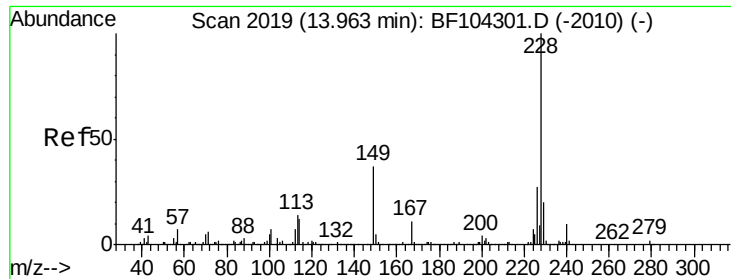
Delta R.T. 0.01 min

Lab File: BF104723.D

Acq: 23 Apr 2018 21:21

Tgt Ion:	244	Resp:	590272
Ion Ratio		Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.0	11.0	16.4





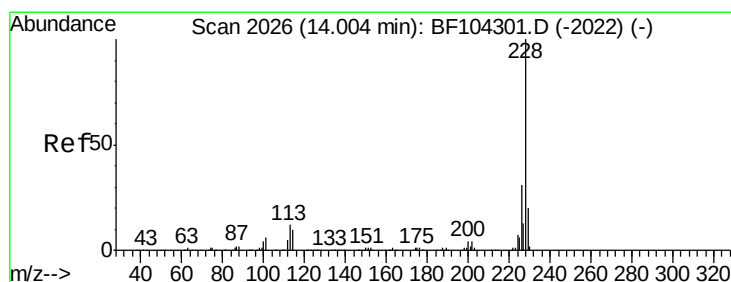
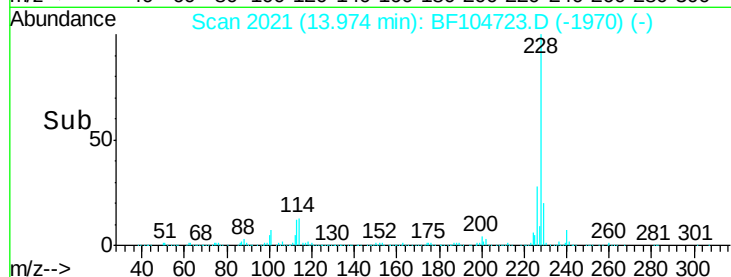
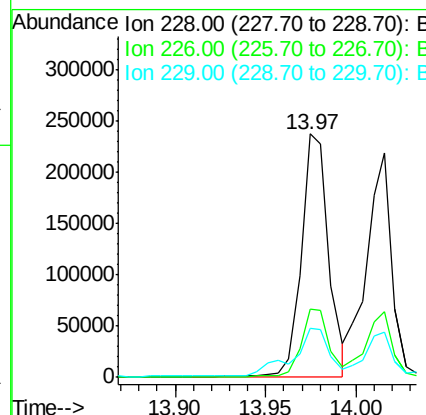
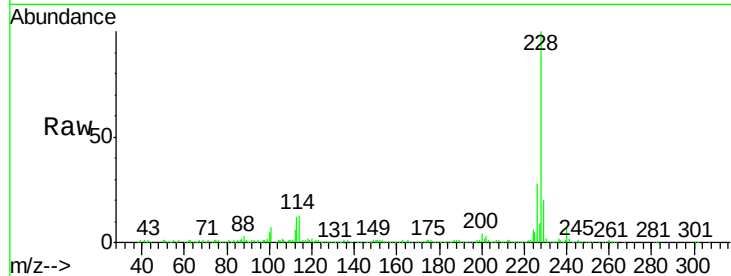
#80
Benzo(a)anthracene
Concen: 21.981 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.00 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

Instrument :
BNA_F
ClientSampleId :
RBR-400028-2171

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	19.9	15.8	23.6

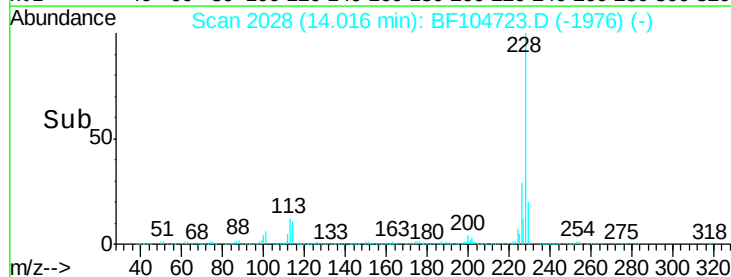
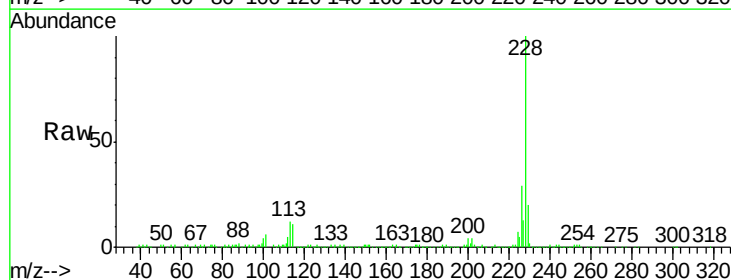
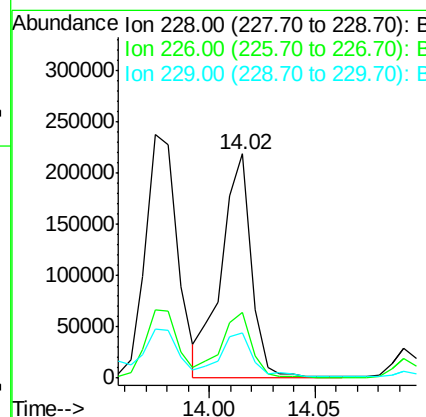
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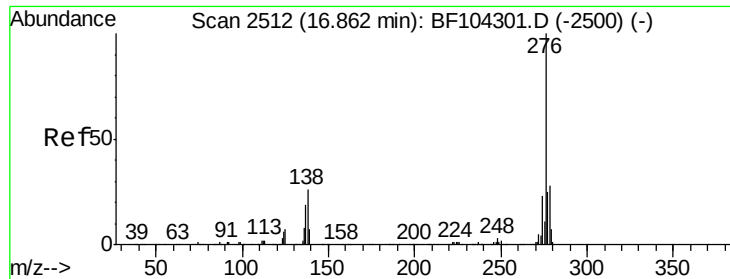
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#82
Chrysene
Concen: 18.162 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.0	37.6
229	20.4	16.2	24.4





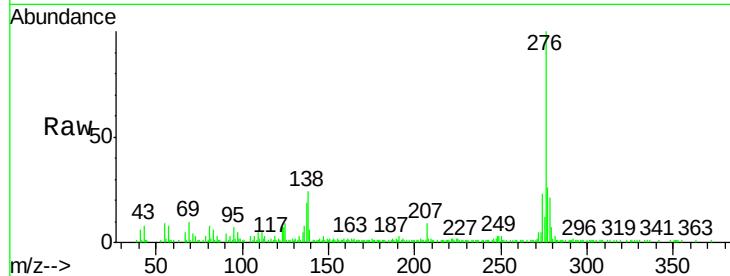
#85
Indeno(1,2,3-cd)pyrene
Concen: 10.302 ng
RT: 16.93 min Scan# 2523
Delta R.T. 0.02 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

Instrument :
BNA_F
ClientSampleId :
RBR-400028-2171

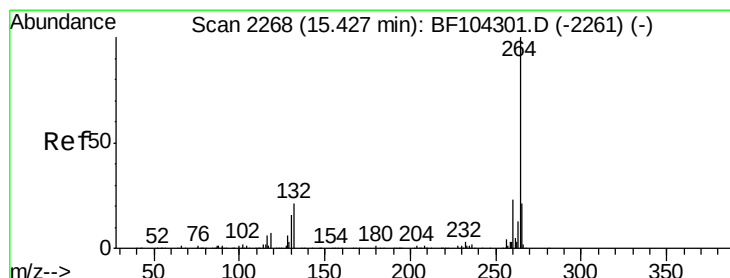
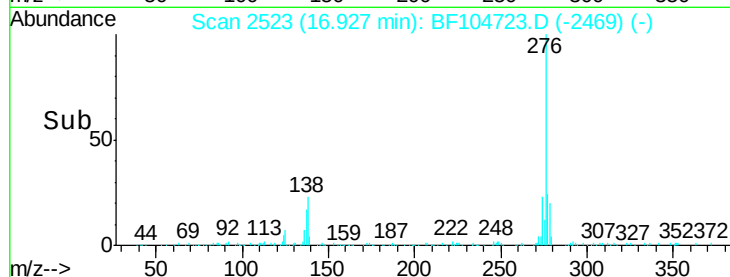
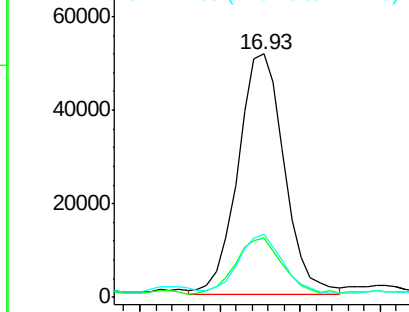
Tot Ion	Ratio	Lower	Upper
276	100		
138	4.9	25.0	37.6#
277	4.1	20.1	30.1#

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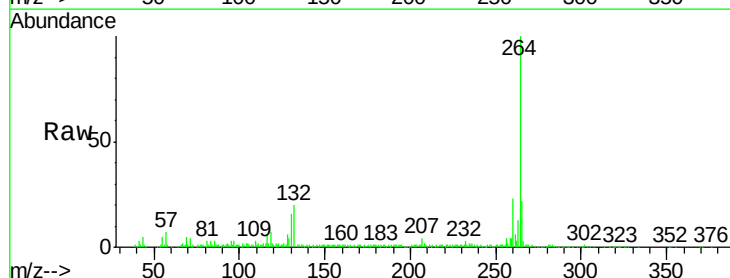


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

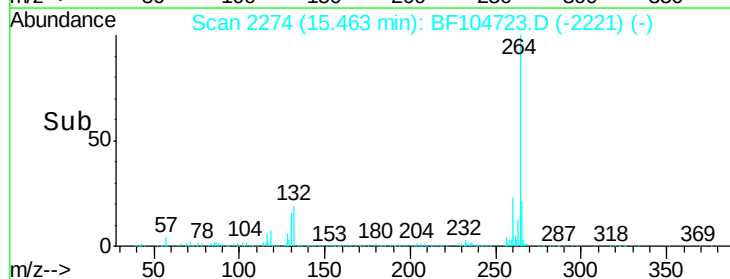
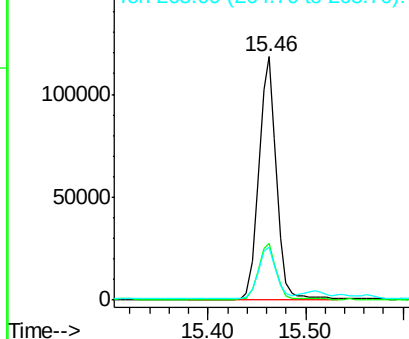


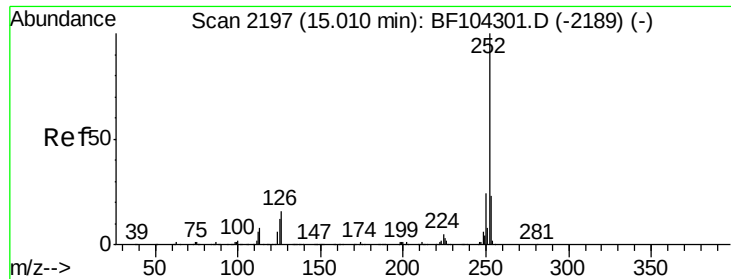
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.8	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: 24.270 ng m

RT: 15.03 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BF104723.D

Acq: 23 Apr 2018 21:21

Instrument :

BNA_F

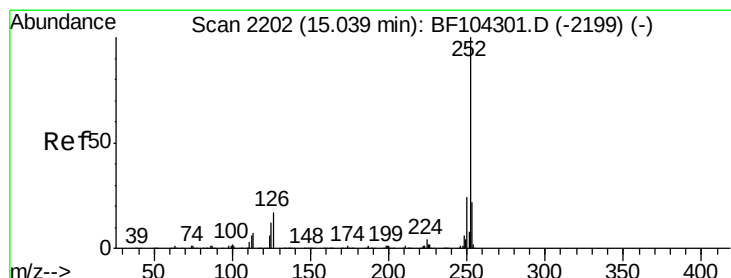
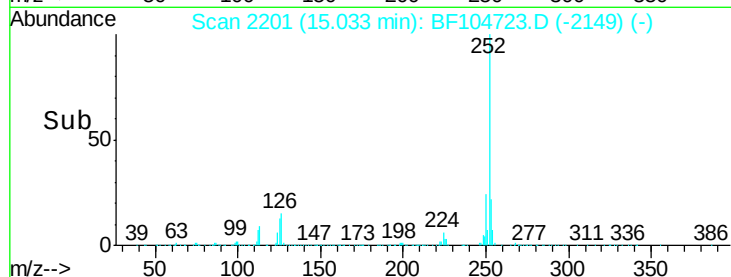
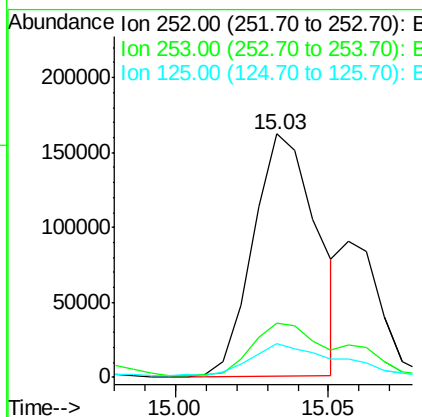
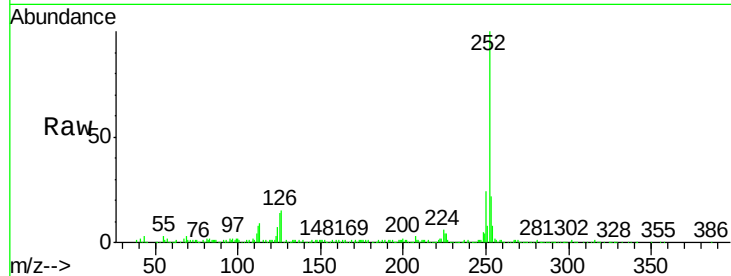
ClientSampleId :

RBR-400028-2171

Tot Ion:	252	Resp:	235075
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.0	25.6
125	13.7	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 9.060 ng m

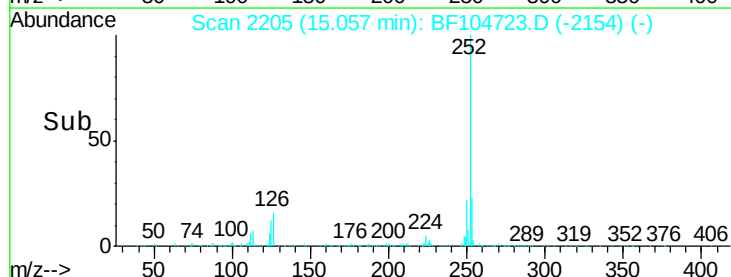
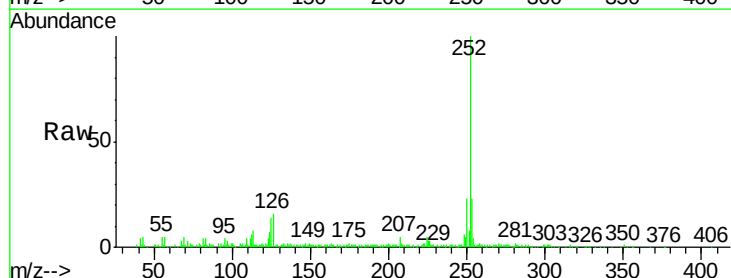
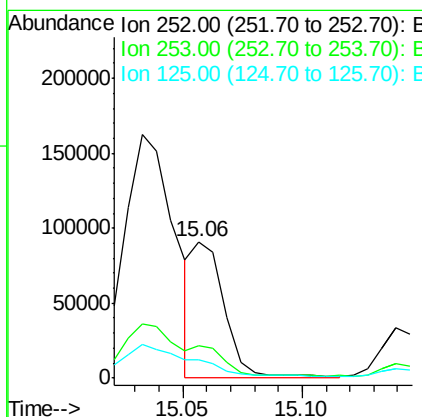
RT: 15.06 min Scan# 2205

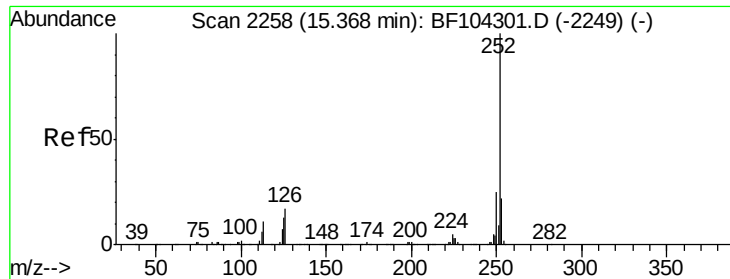
Delta R.T. -0.00 min

Lab File: BF104723.D

Acq: 23 Apr 2018 21:21

Tgt Ion:	252	Resp:	82850
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.9	26.9
125	13.7	10.2	15.2





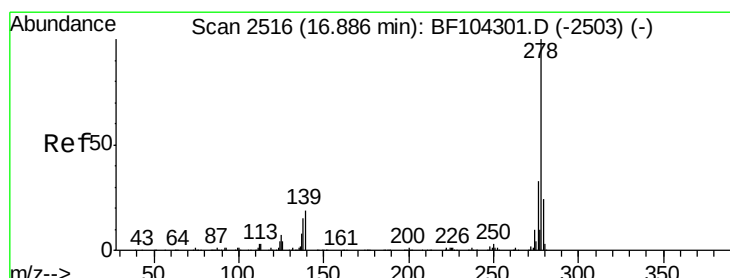
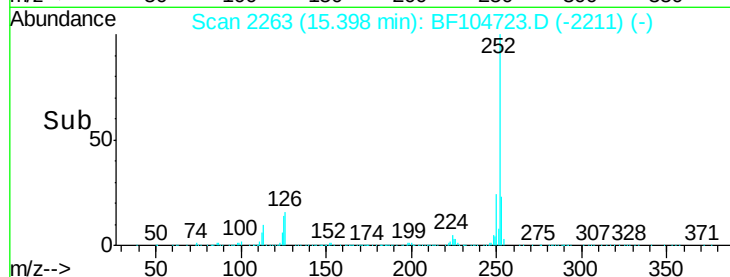
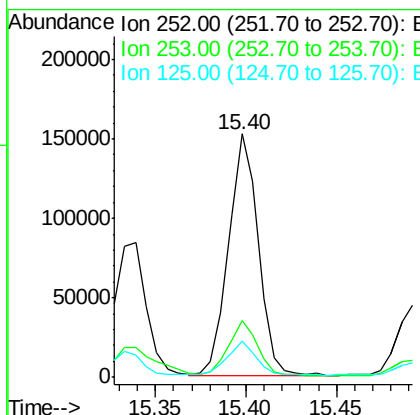
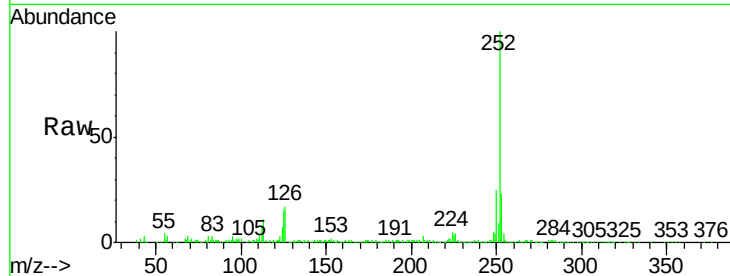
#89
Benzo(a)pyrene
Concen: 20.122 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

Instrument :
BNA_F
ClientSampleId :
RBR-400028-2171

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

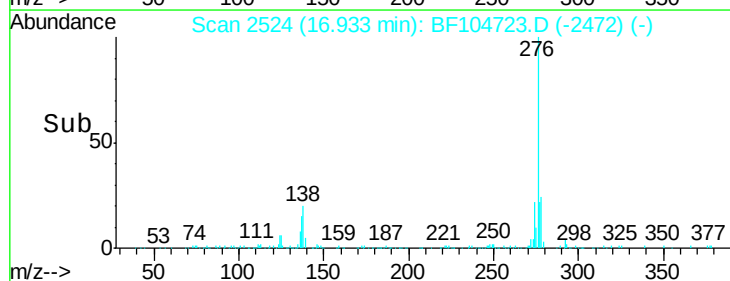
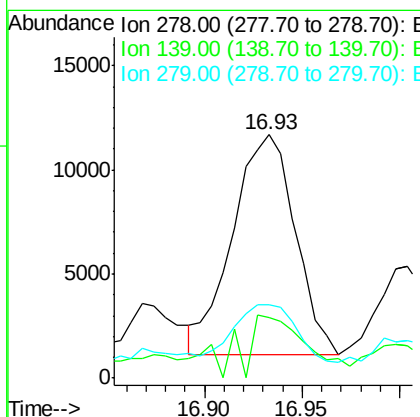
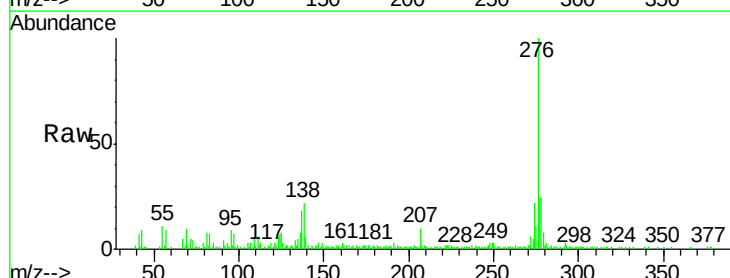
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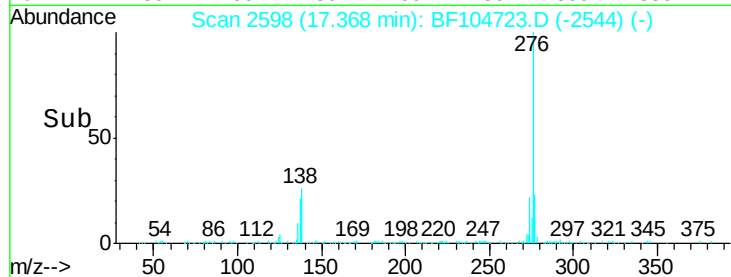
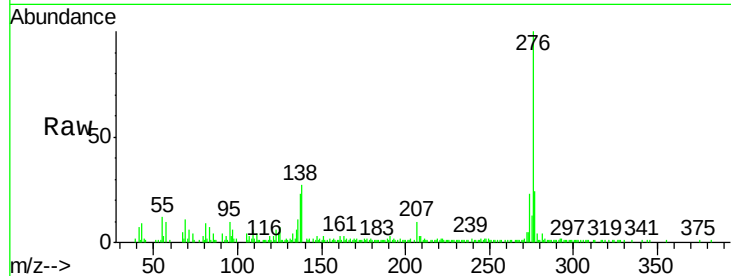
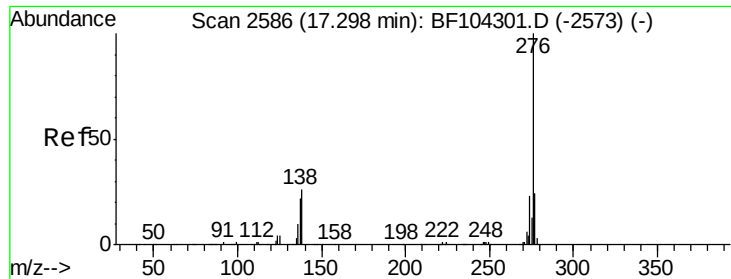
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#90
Dibenzo(a,h)anthracene
Concen: 3.283 ng
RT: 16.93 min Scan# 2524
Delta R.T. 0.01 min
Lab File: BF104723.D
Acq: 23 Apr 2018 21:21

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.9	15.9	23.9#
279	30.2	19.0	28.4#





#91

Benzo(a,h,i)perylene

Concen: 13.891 ng

RT: 17.37 min Scan# 2598

Delta R.T. 0.02 min

Lab File: BF104723.D

Acq: 23 Apr 2018 21:21

Instrument :

BNA_F

ClientSampleId :

RBR-400028-2171

Tot Ion:	276	Resp:	95790
Ion Ratio	Lower	Upper	
276	100		
277	24.2	17.9	26.9
138	27.0	21.8	32.8

Manual Integrations
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