

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104713.D
 Acq On : 23 Apr 2018 16:54
 Operator : JU/SJ
 Sample : J2503-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-47184RT

Manual Integrations
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Sohil
 4/24/2018 3:48:45 PM

Quant Time: Apr 24 09:21:34 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	101641	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	389163	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	156177	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	259008	20.00	ng	0.00
75) Chrysene-d12	13.99	240	185663	20.00	ng	0.00
86) Perylene-d12	15.46	264	138862	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	610087	91.78	ng	0.02
7) Phenol-d6	6.45	99	709332	86.85	ng	0.00
23) Nitrobenzene-d5	7.37	82	394187	66.14	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	141859	87.56	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	641288	64.87	ng	0.00
78) Terphenyl-d14	12.93	244	505187	62.03	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.56	163	56744	4.607	ng	98
51) Acenaphthene	9.88	154	20402	2.057	ng	97
57) Fluorene	10.40	166	30417	3.023	ng	99
70) Phenanthrene	11.36	178	545448	37.815	ng	99
71) Anthracene	11.42	178	141792	9.671	ng	98
72) Carbazole	11.57	167	73185	5.108	ng	99
74) Fluoranthene	12.56	202	983375	65.253	ng	98
77) Pyrene	12.79	202	869176	63.158	ng	100
80) Benzo(a)anthracene	13.98	228	462380	41.687	ng	100
82) Chrysene	14.02	228	393261	34.518	ng	97
85) Indeno(1,2,3-cd)pyrene	16.93	276	153073	15.816	ng	# 93
87) Benzo(b)fluoranthene	15.04	252	432114m	49.270	ng	
88) Benzo(k)fluoranthene	15.06	252	116891m	14.117	ng	
89) Benzo(a)pyrene	15.40	252	268476	34.213	ng	97
90) Dibenzo(a,h)anthracene	16.94	278	45489m	7.058	ng	
91) Benzo(g,h,i)perylene	17.37	276	147239	23.581	ng	97

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

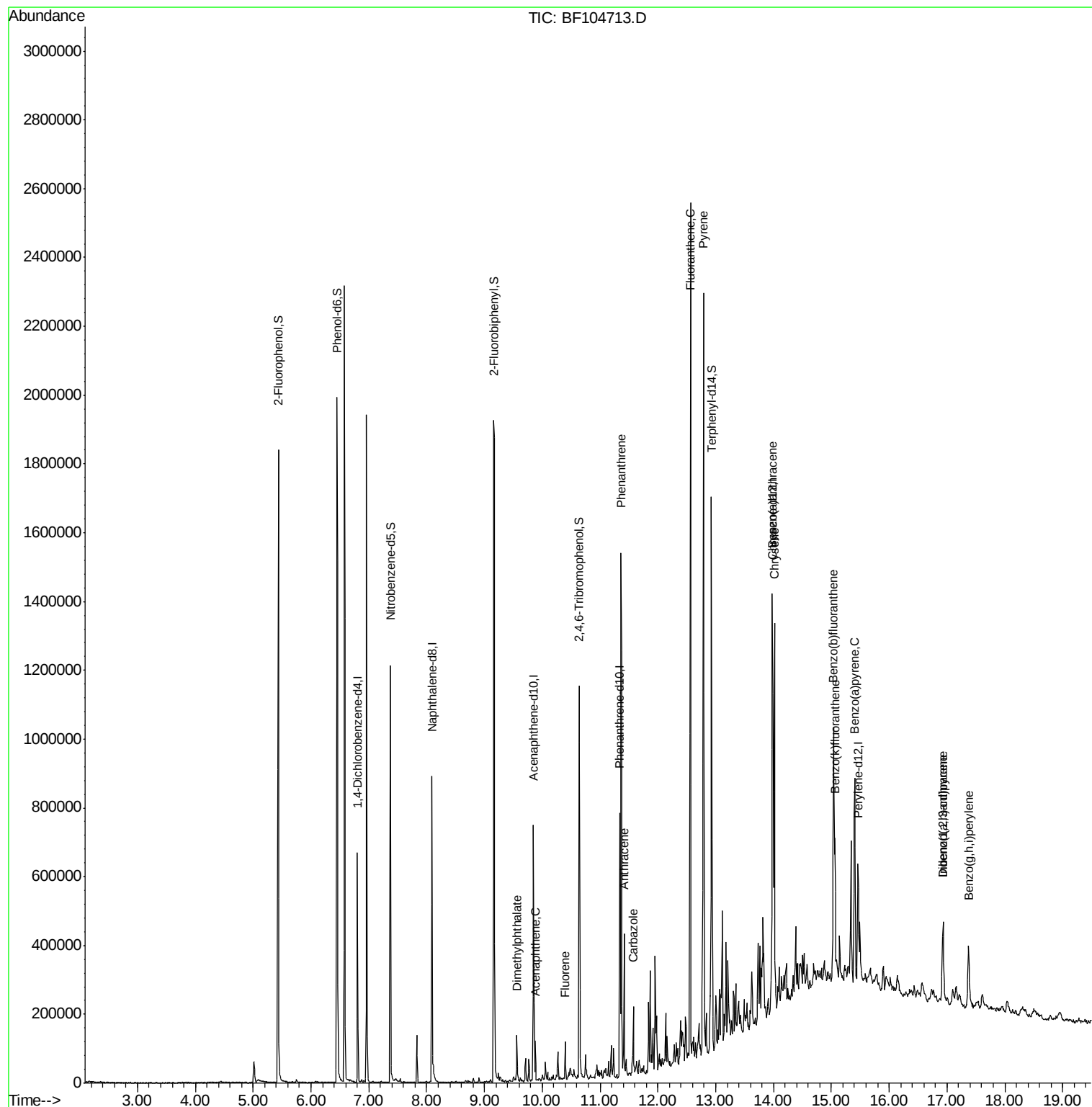
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
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ALS Vial : 16 Sample Multiplier: 1

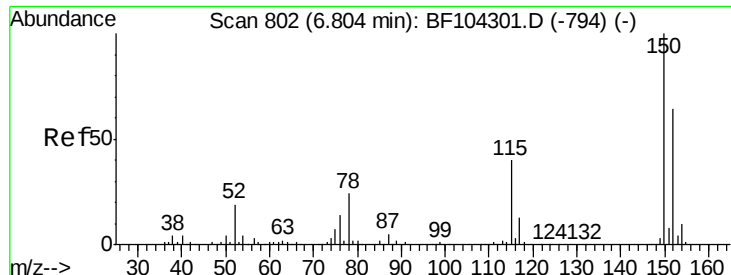
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

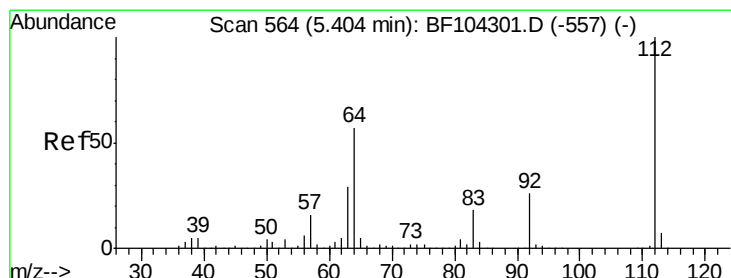
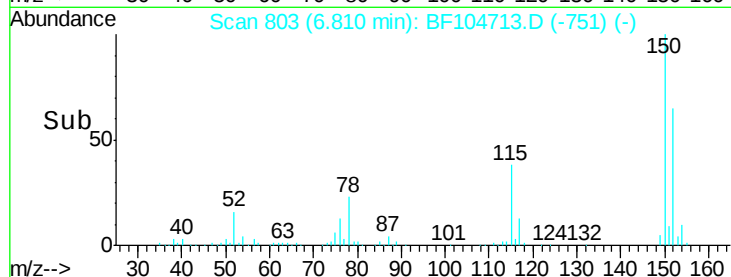
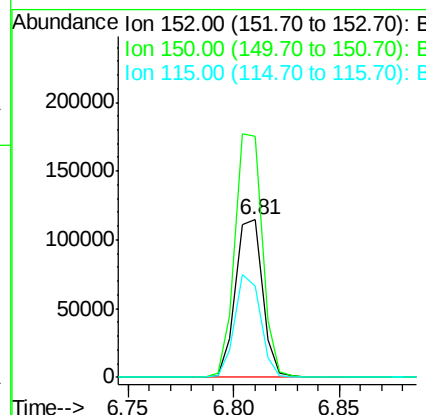
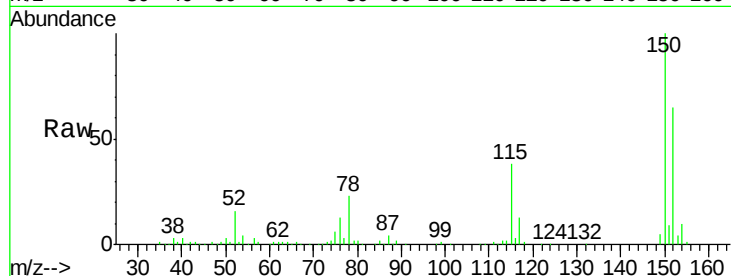
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. 0.01 min
 Lab File: BF104713.D
 Acq: 23 Apr 2018 16:54

Instrument :
 BNA_F
 ClientSampleId :
 RBR-47184RT

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.6	186.8
115	57.9	50.1	75.1

Manual Integrations
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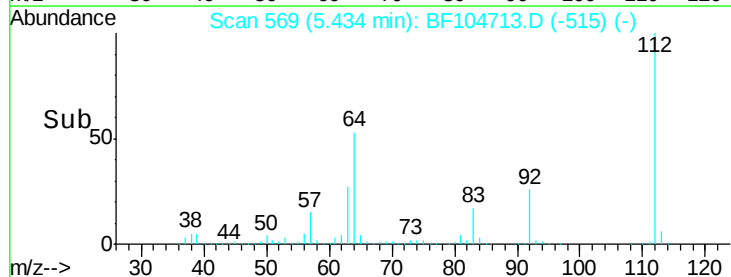
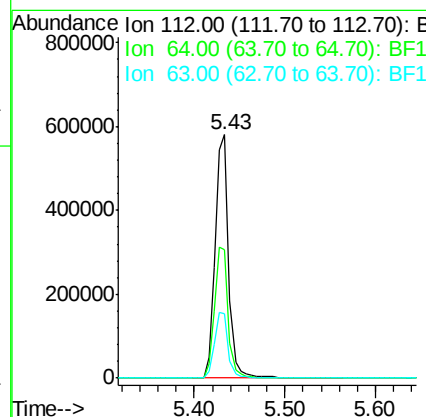
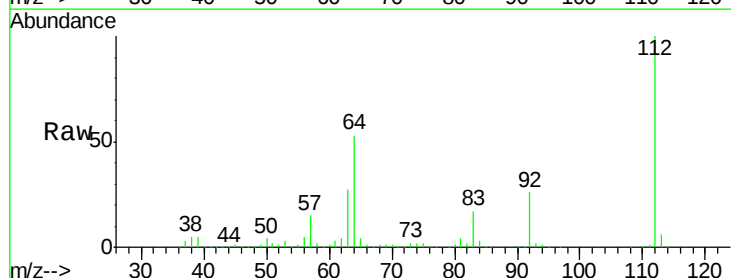
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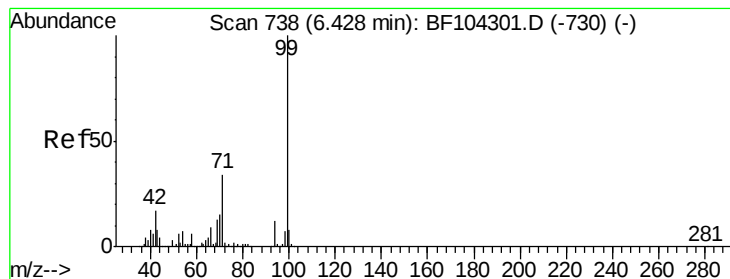


#5

2-Fluorophenol
 Concen: 91.780 ng
 RT: 5.43 min Scan# 569
 Delta R.T. 0.02 min
 Lab File: BF104713.D
 Acq: 23 Apr 2018 16:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.6	47.9	71.9
63	26.5	23.7	35.5





#7

Phenol-d6

Concen: 86.849 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104713.D

Acq: 23 Apr 2018 16:54

Instrument :

BNA_F

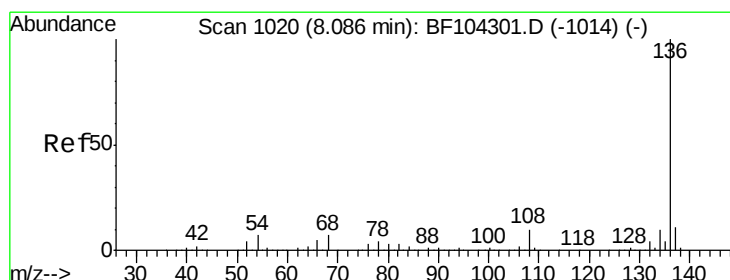
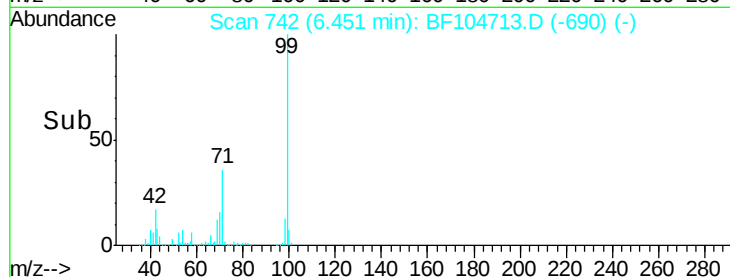
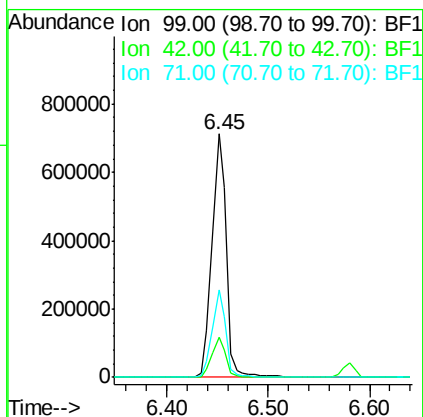
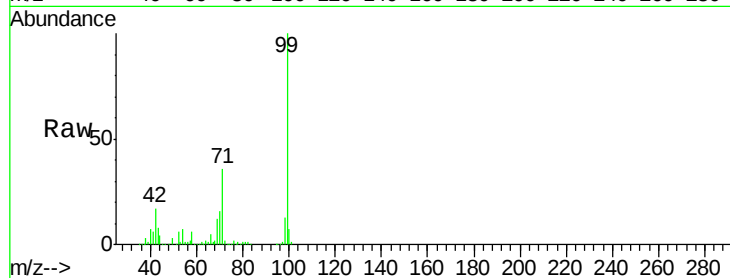
ClientSampleId :

RBR-47184RT

Tot Ion:	99	Resp:	709332
Ion	Ratio	Lower	Upper
99	100		
42	16.5	14.5	21.7
71	35.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

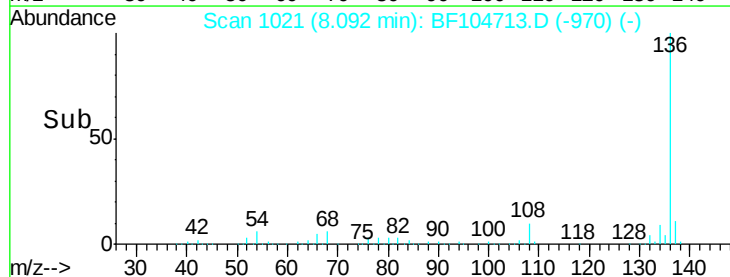
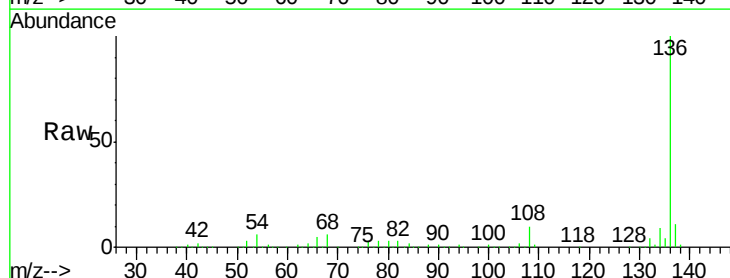
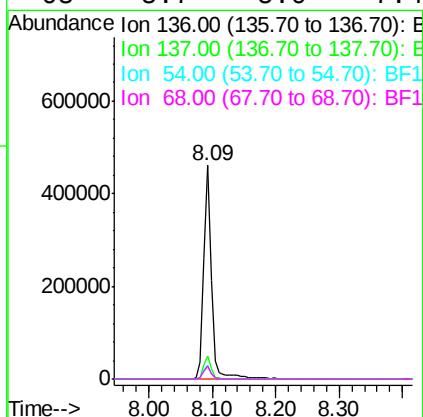
RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF104713.D

Acq: 23 Apr 2018 16:54

Tgt Ion:	136	Resp:	389163
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	6.5	6.6	9.8#
68	5.7	5.0	7.4





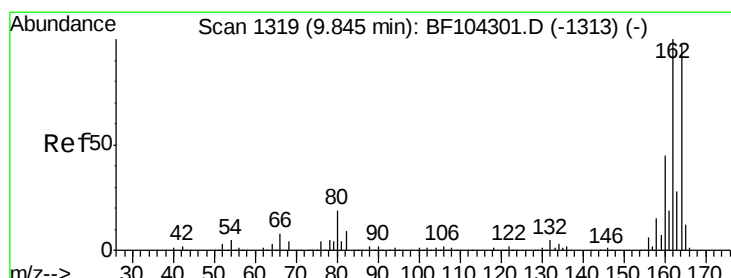
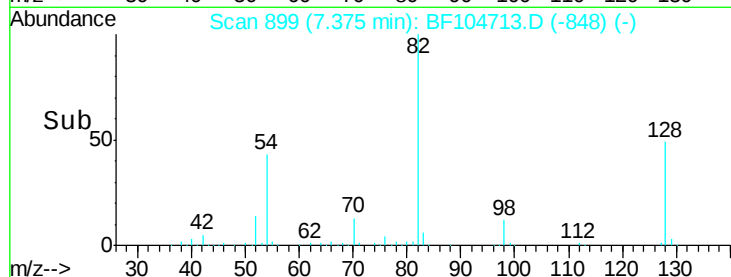
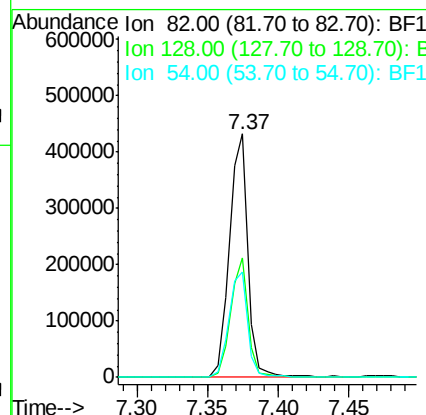
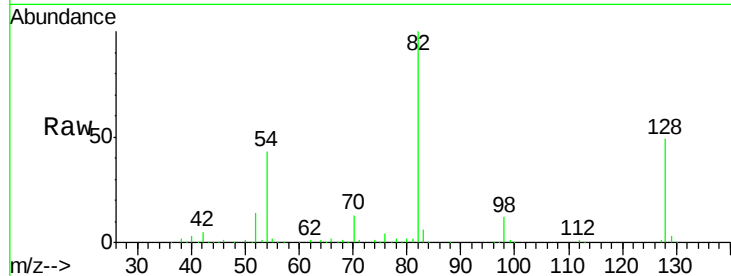
#23
 Nitrobenzene-d5
 Concen: 66.141 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: BF104713.D
 Acq: 23 Apr 2018 16:54

Instrument :
 BNA_F
 ClientSampleID :
 RBR-47184RT

Tot Ion	Ratio	Resp	Lower	Upper
82	100	394187		
128	49.1	36.1	54.1	
54	43.1	41.4	62.2	

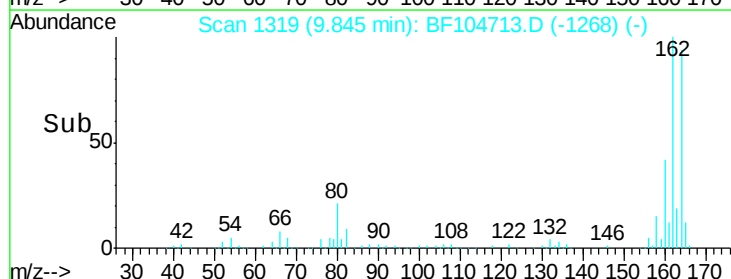
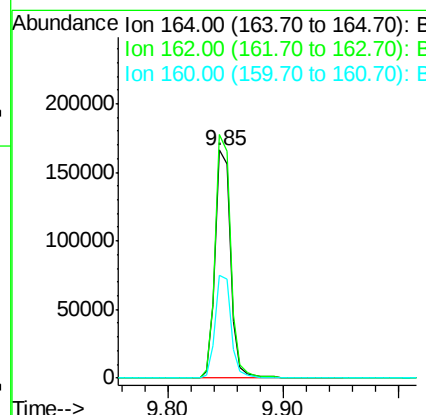
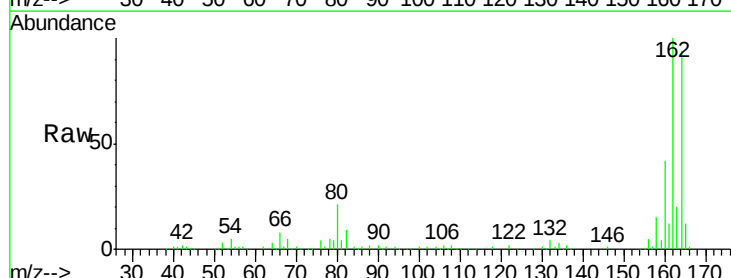
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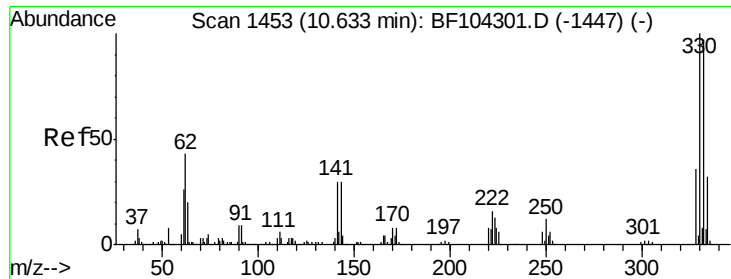
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: BF104713.D
 Acq: 23 Apr 2018 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	156177		
162	106.9	86.1	129.1	
160	45.2	38.3	57.5	





#41

2,4,6-Tribromophenol

Concen: 87.564 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.01 min

Lab File: BF104713.D

Acq: 23 Apr 2018 16:54

Instrument :

BNA_F

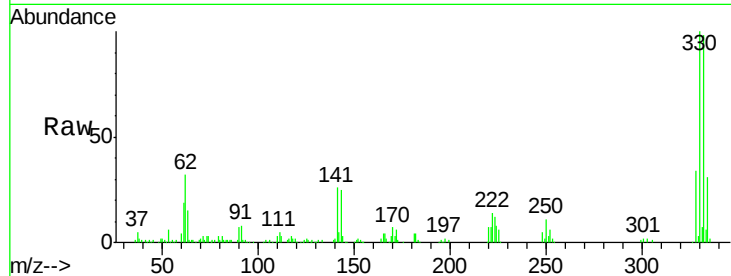
ClientSampleId :

RBR-47184RT

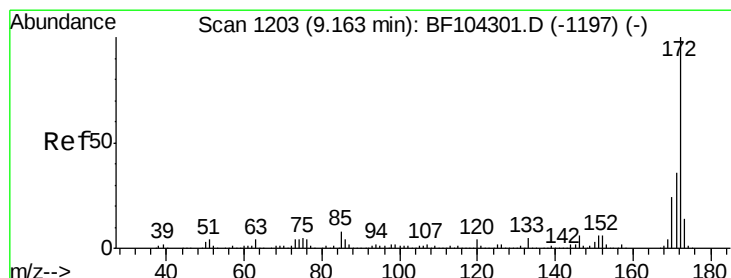
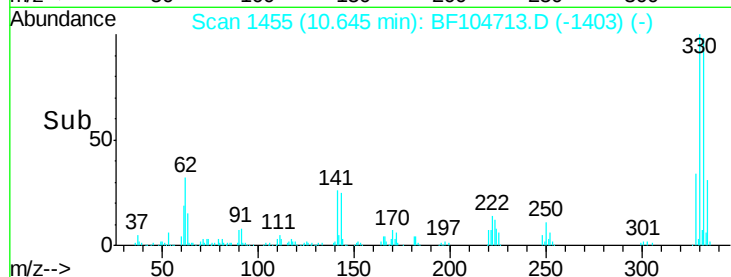
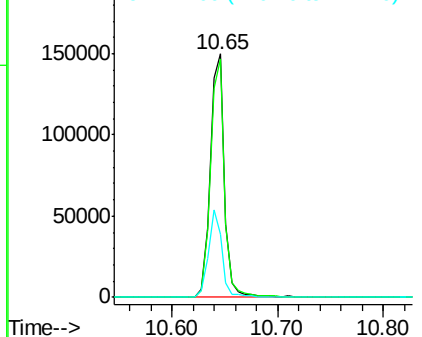
Tot Ion:	330	Resp:	141859
Ion Ratio	Lower	Upper	
330	100		
332	96.4	77.0	115.6
141	34.2	29.9	44.9

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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: 64.867 ng

RT: 9.17 min Scan# 1204

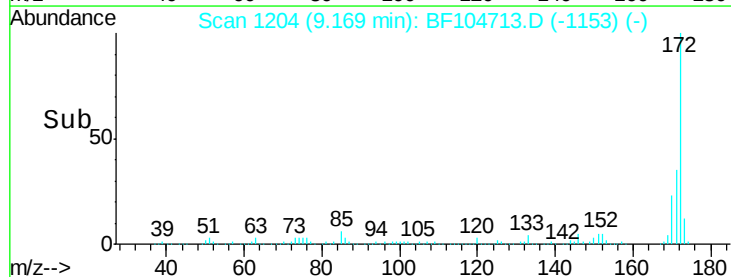
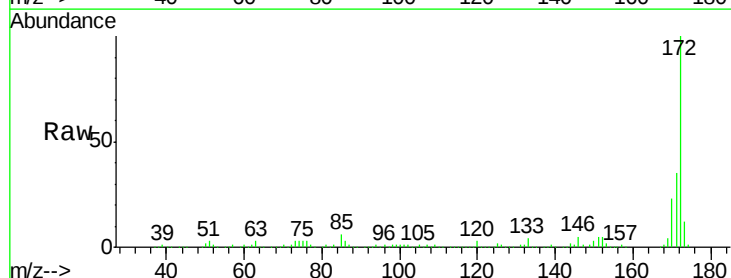
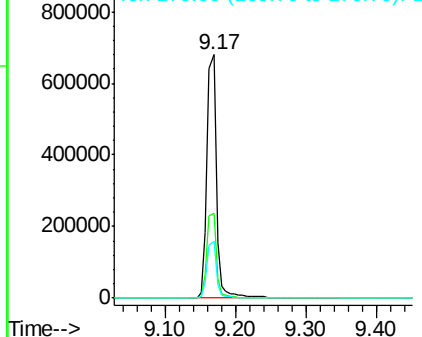
Delta R.T. -0.00 min

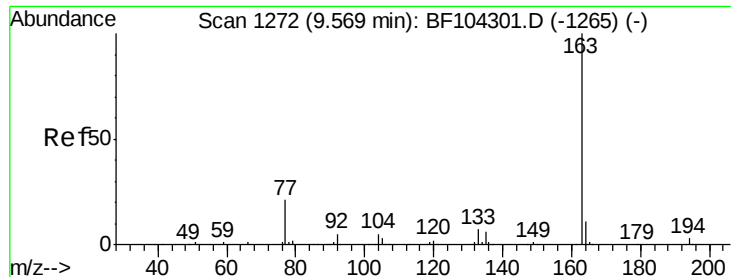
Lab File: BF104713.D

Acq: 23 Apr 2018 16:54

Tgt Ion:	172	Resp:	641288
Ion Ratio	Lower	Upper	
172	100		
171	34.8	29.7	44.5
170	23.4	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





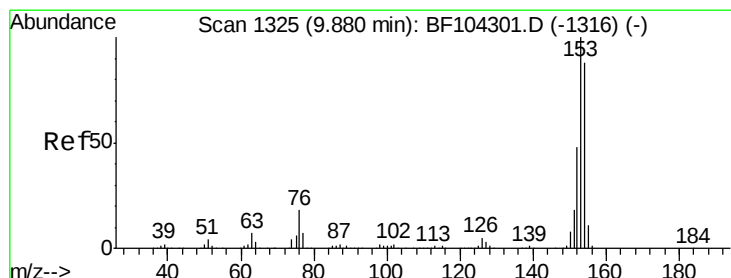
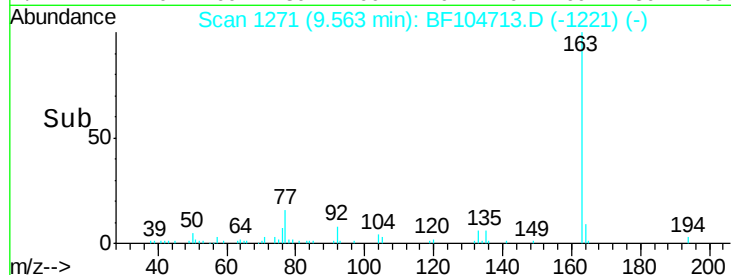
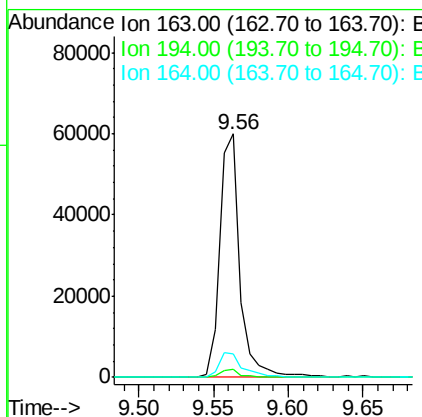
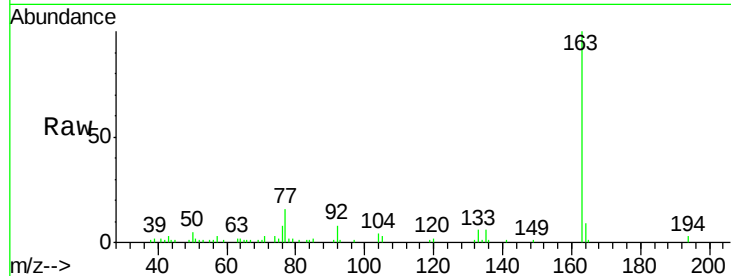
#49
Dimethylphthalate
Concen: 4.607 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104713.D
Acq: 23 Apr 2018 16:54

Instrument :
BNA_F
ClientSampleId :
RBR-47184RT

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	9.4	8.2	12.2

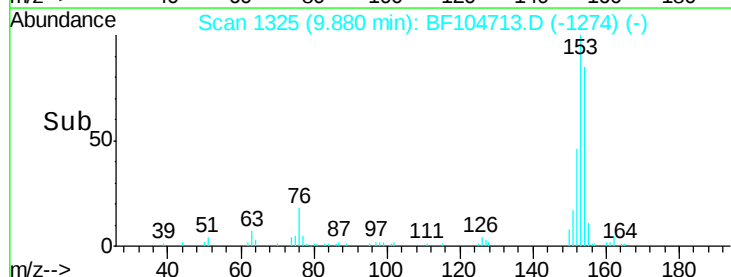
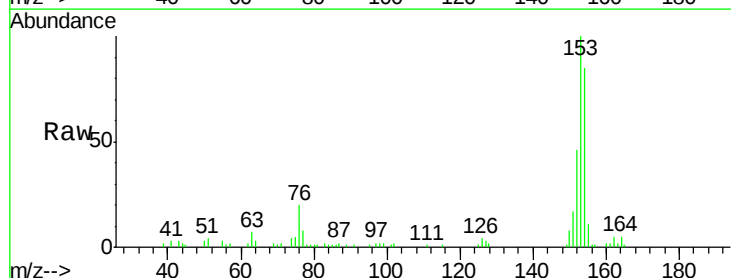
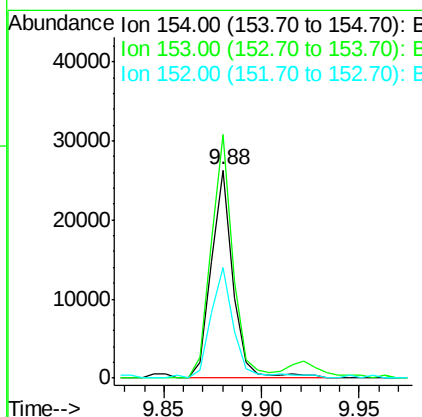
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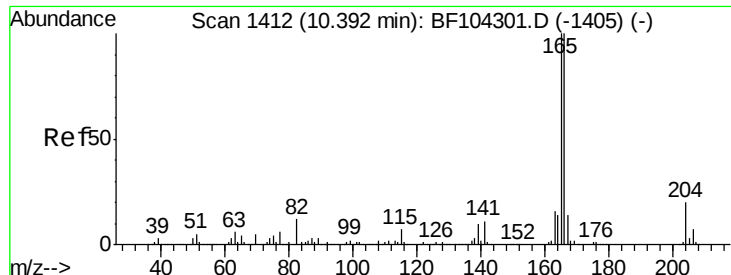
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#51
Acenaphthene
Concen: 2.057 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BF104713.D
Acq: 23 Apr 2018 16:54

Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.0	91.2	136.8
152	53.4	43.8	65.8





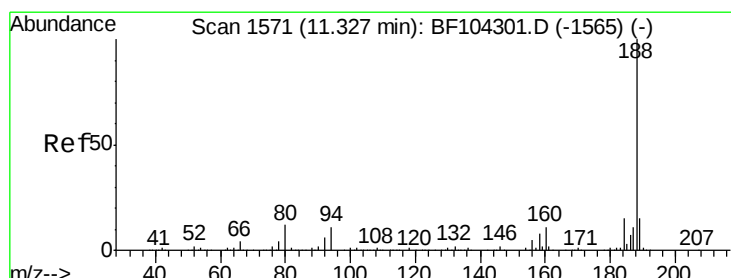
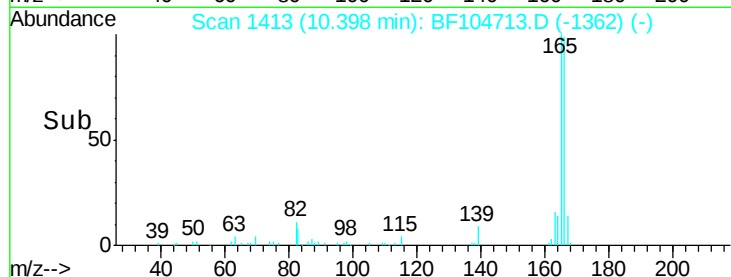
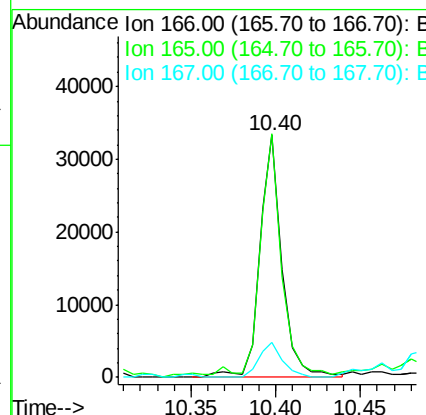
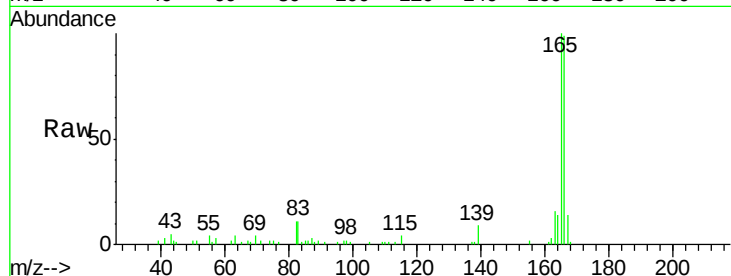
#57
Fluorene
 Concen: 3.023 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: BF104713.D
 Acq: 23 Apr 2018 16:54

Instrument :
 BNA_F
 ClientSampleId :
 RBR-47184RT

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.7	79.8	119.8
167	14.5	10.6	16.0

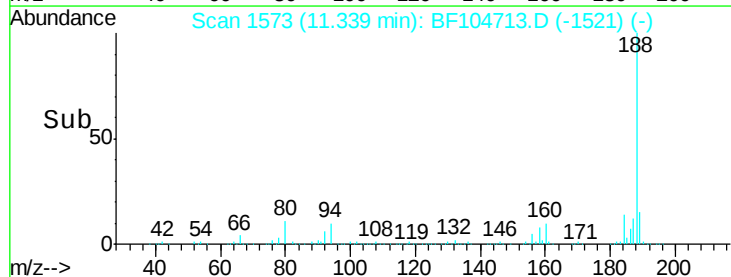
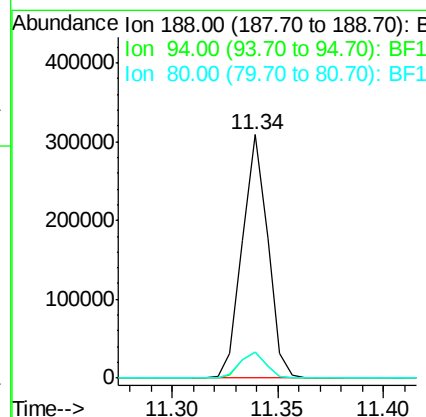
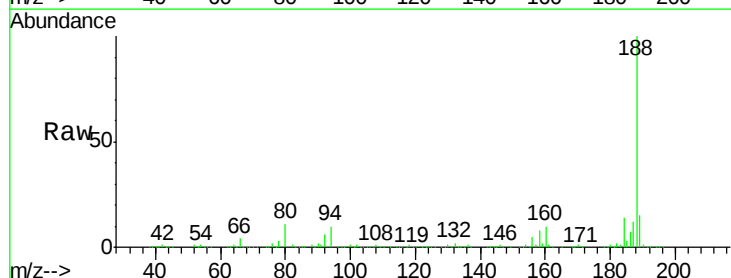
Manual Integrations
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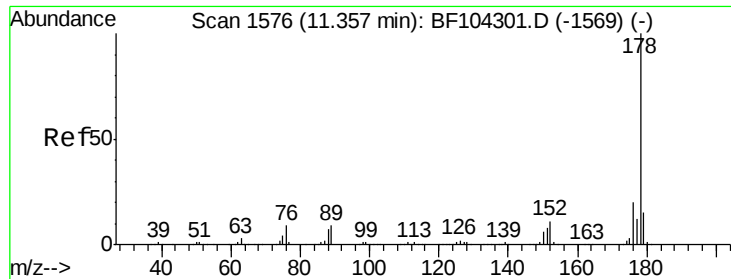
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BF104713.D
 Acq: 23 Apr 2018 16:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	10.9	9.2	13.8





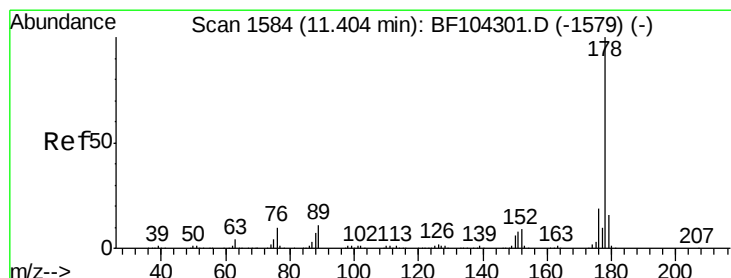
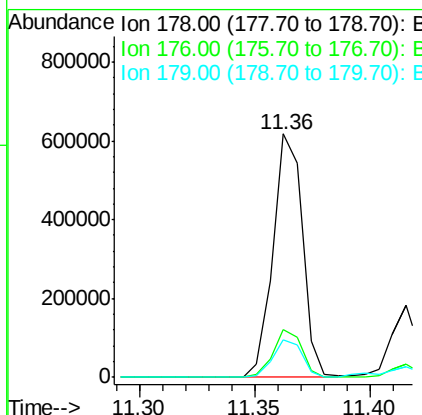
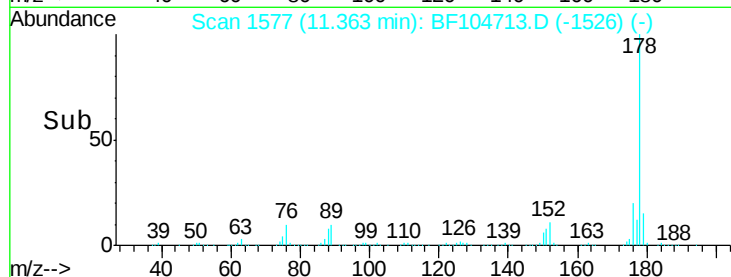
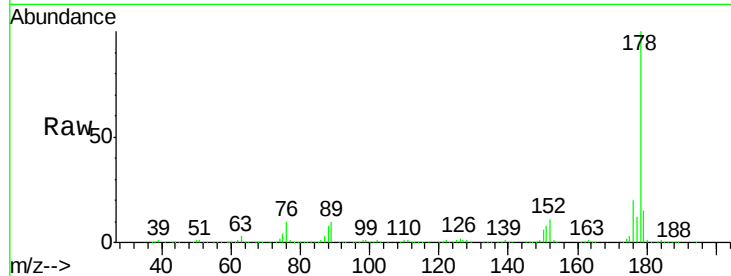
#70
Phenanthrene
Concen: 37.815 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF104713.D
Acq: 23 Apr 2018 16:54

Instrument :
BNA_F
ClientSampleId :
RBR-47184RT

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100		545448		
176	19.6	15.8	23.8		
179	15.5	13.0	19.6		

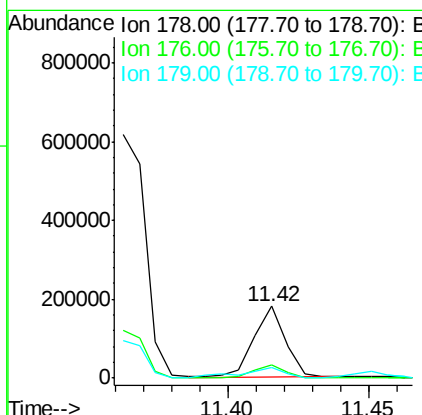
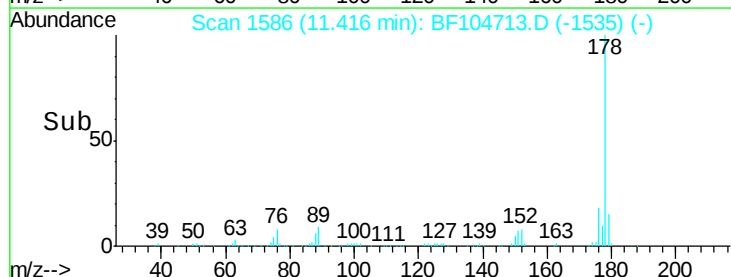
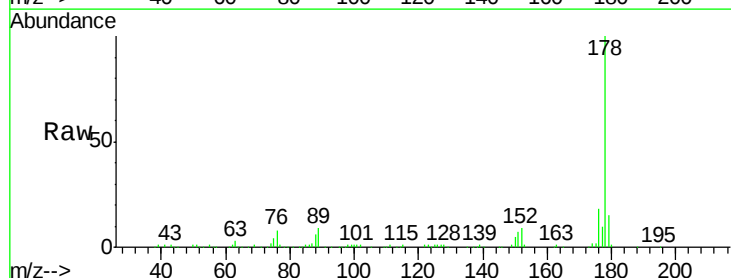
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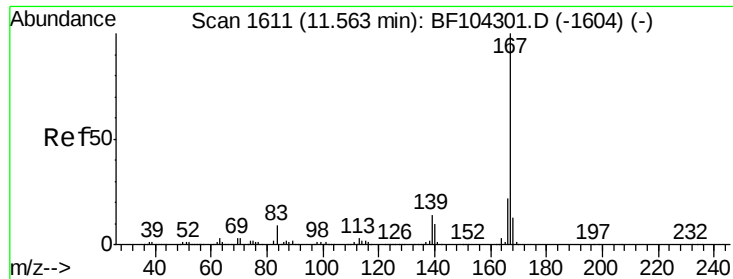
Sohil
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#71
Anthracene
Concen: 9.671 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF104713.D
Acq: 23 Apr 2018 16:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		141792		
176	18.1	15.4	23.2		
179	15.4	12.6	19.0		





#72

Carbazole

Concen: 5.108 ng

RT: 11.57 min Scan# 1613

Delta R.T. 0.01 min

Lab File: BF104713.D

Acq: 23 Apr 2018 16:54

Instrument :

BNA_F

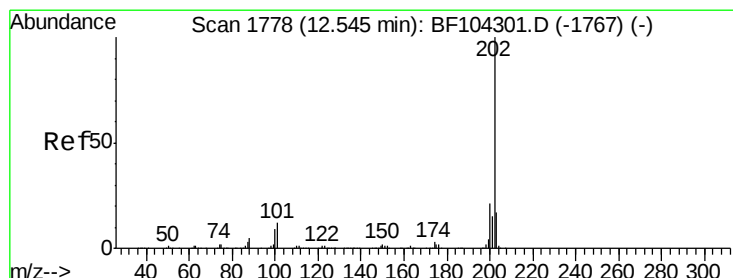
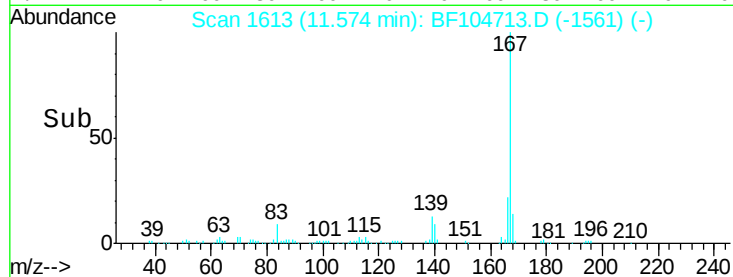
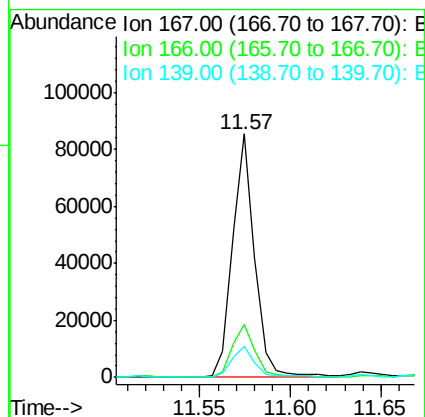
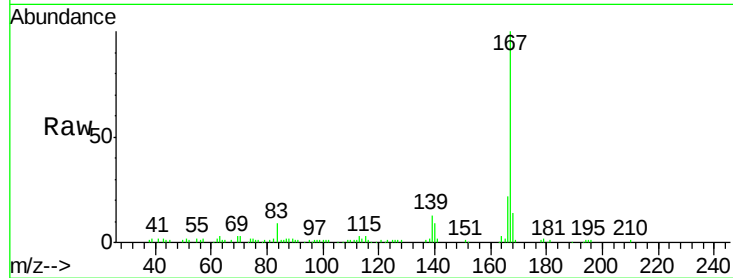
ClientSampleId :

RBR-47184RT

Tot Ion:	167	Resp:	73185
Ion Ratio	Lower	Upper	
167	100		
166	22.0	17.6	26.4
139	12.8	10.9	16.3

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#74

Fluoranthene

Concen: 65.253 ng

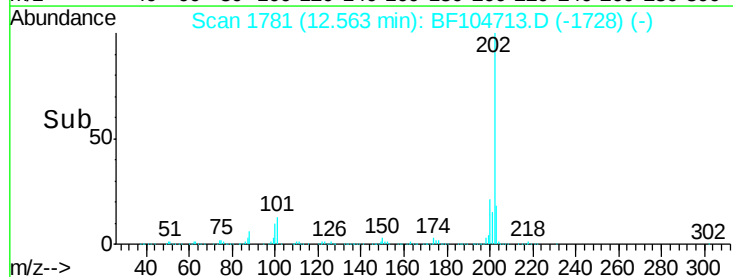
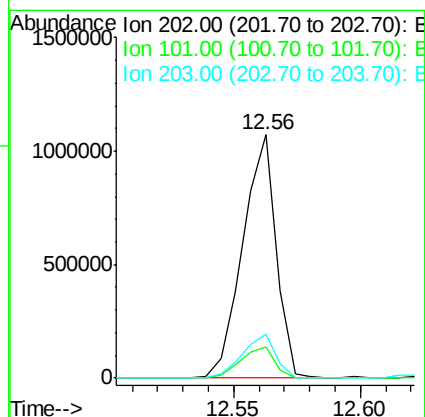
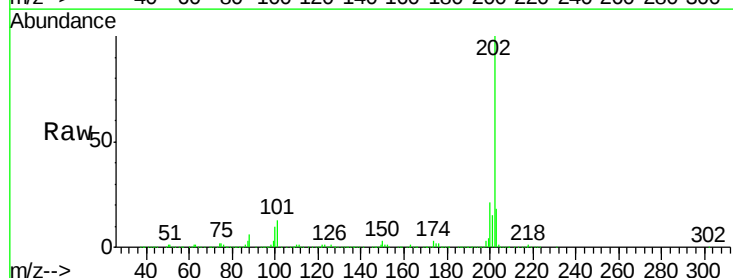
RT: 12.56 min Scan# 1781

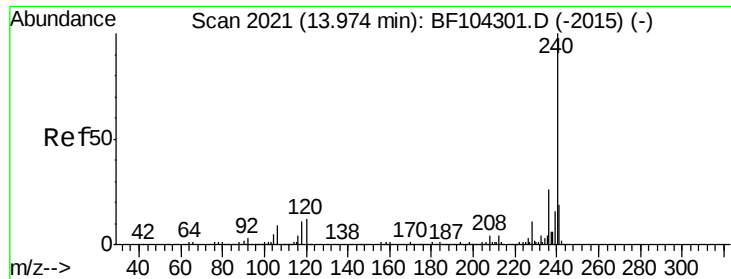
Delta R.T. 0.01 min

Lab File: BF104713.D

Acq: 23 Apr 2018 16:54

Tgt Ion:	202	Resp:	983375
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF104713.D

Acq: 23 Apr 2018 16:54

Instrument :

BNA_F

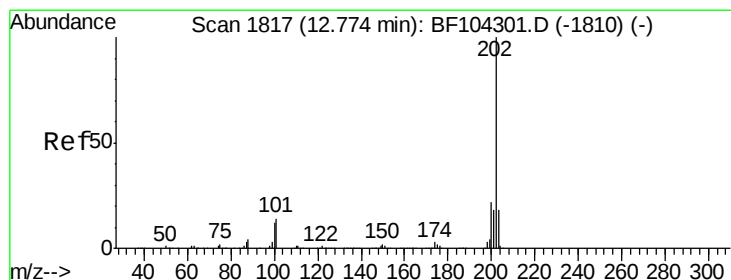
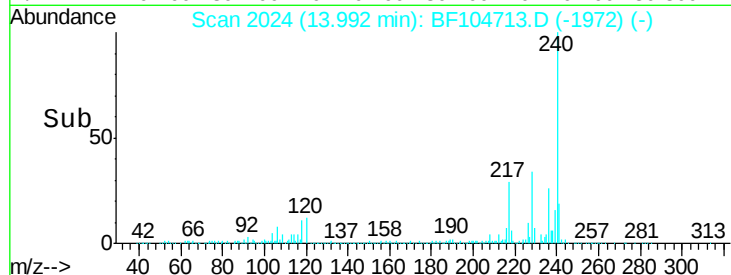
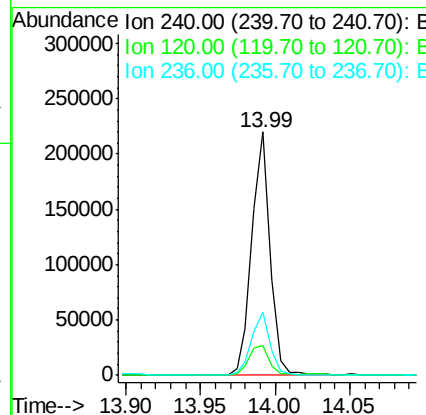
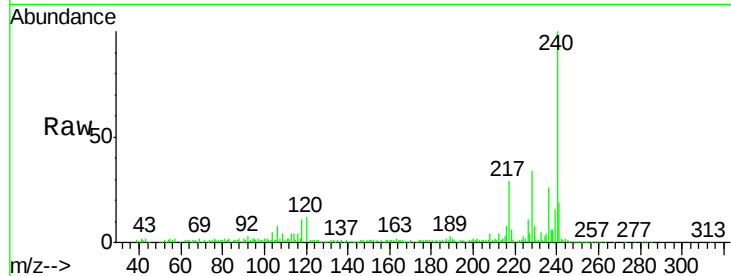
ClientSampleId :

RBR-47184RT

Tot Ion:	240	Resp:	185663
Ion Ratio	Lower	Upper	
240	100		
120	12.1	9.5	14.3
236	25.9	20.7	31.1

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#77

Pyrene

Concen: 63.158 ng

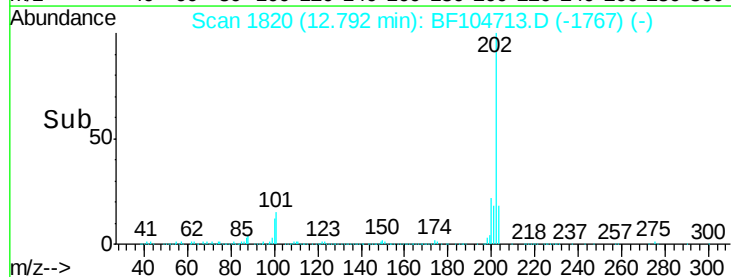
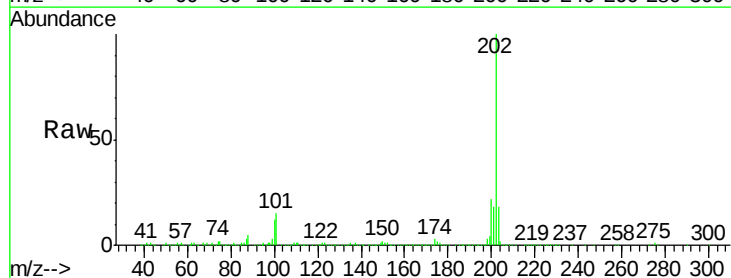
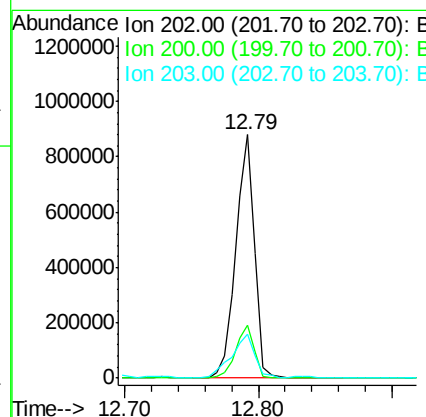
RT: 12.79 min Scan# 1820

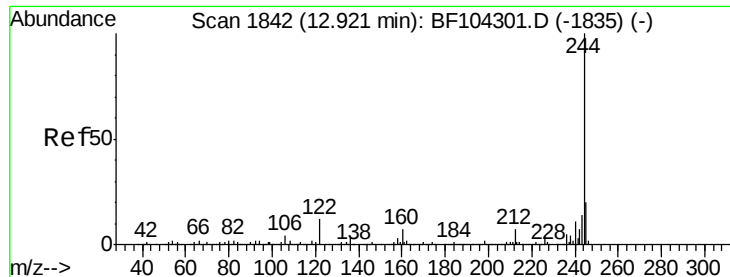
Delta R.T. 0.01 min

Lab File: BF104713.D

Acq: 23 Apr 2018 16:54

Tgt Ion:	202	Resp:	869176
Ion Ratio	Lower	Upper	
202	100		
200	21.8	17.4	26.2
203	18.0	14.3	21.5





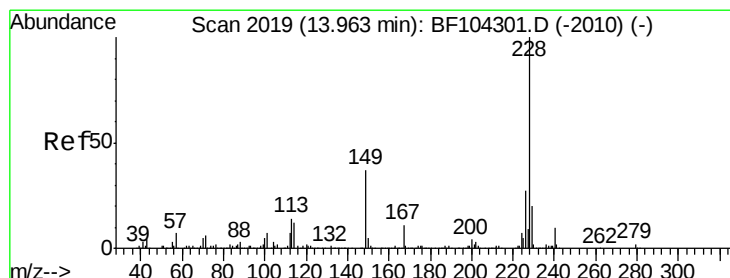
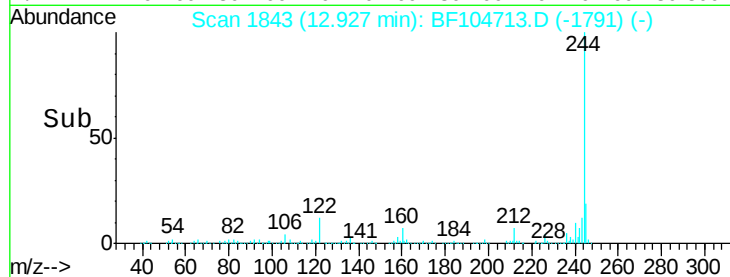
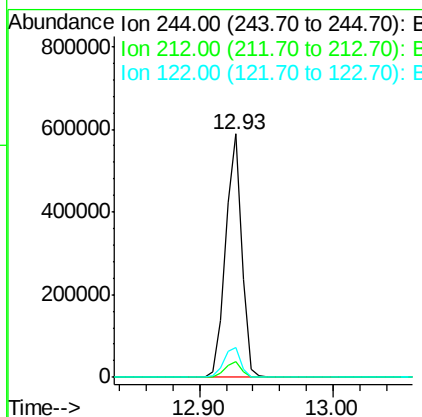
#78
 Terphenyl-d14
 Concen: 62.034 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: BF104713.D
 Acq: 23 Apr 2018 16:54

Instrument :
 BNA_F
 ClientSampleId :
 RBR-47184RT

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.3	11.0	16.4

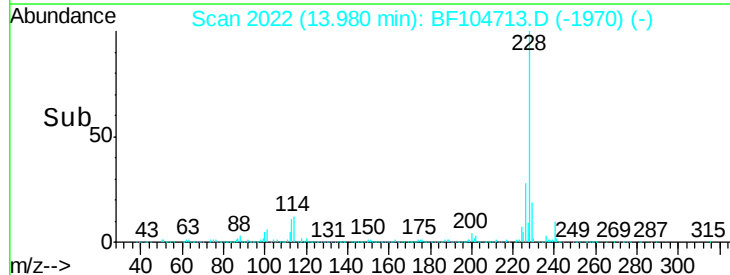
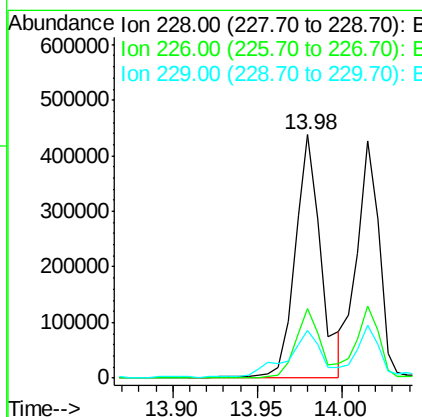
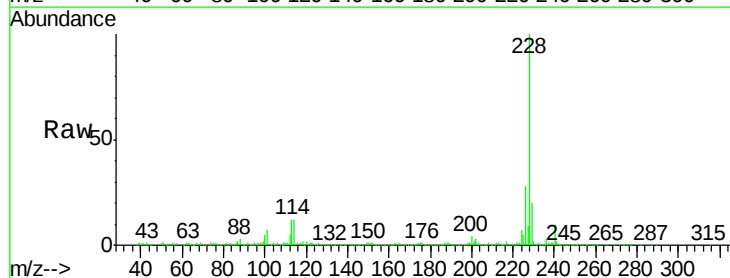
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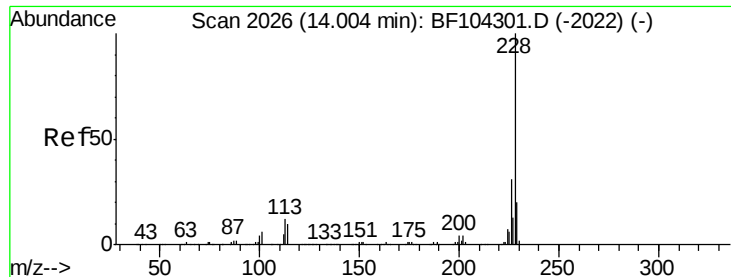
Sohil
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#80
 Benzo(a)anthracene
 Concen: 41.687 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. 0.01 min
 Lab File: BF104713.D
 Acq: 23 Apr 2018 16:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	19.7	15.8	23.6





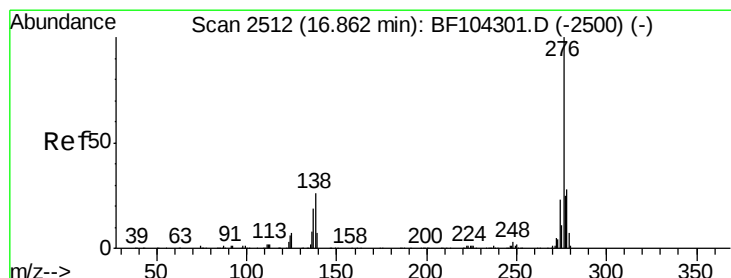
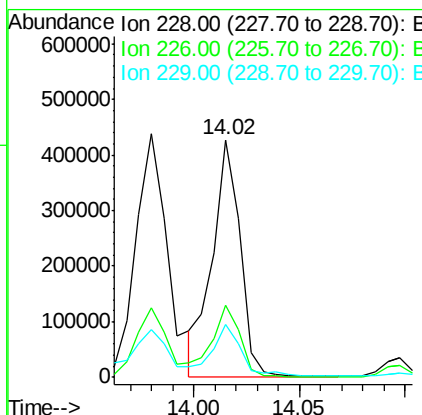
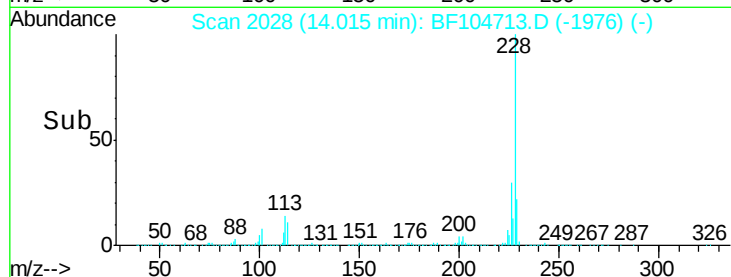
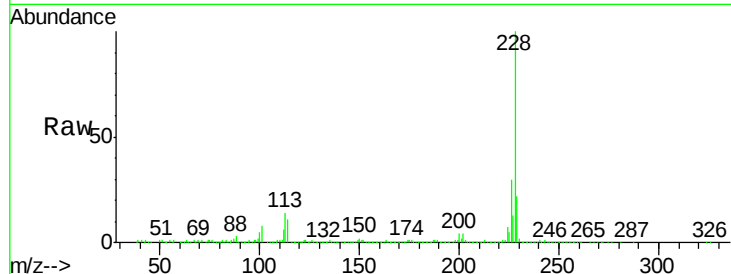
#82
Chrysene
Concen: 34.518 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF104713.D
Acq: 23 Apr 2018 16:54

Instrument :
BNA_F
ClientSampleId :
RBR-47184RT

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	30.3	25.0	37.6		
229	22.1	16.2	24.4		

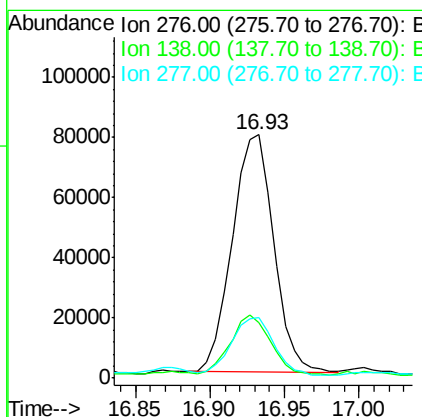
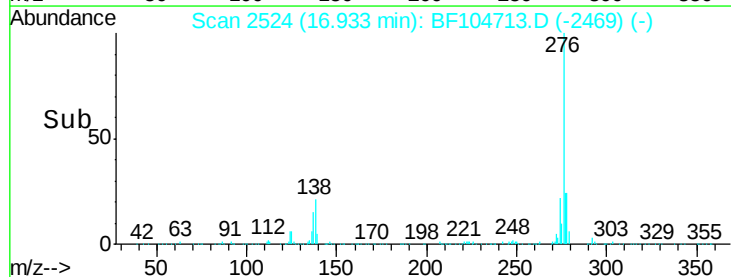
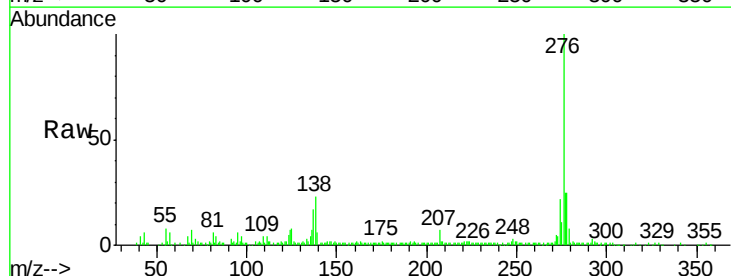
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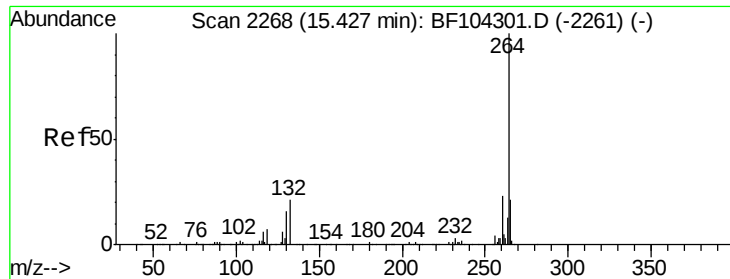
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 15.816 ng
RT: 16.93 min Scan# 2524
Delta R.T. 0.02 min
Lab File: BF104713.D
Acq: 23 Apr 2018 16:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	24.9	25.0	37.6#		
277	24.8	20.1	30.1		





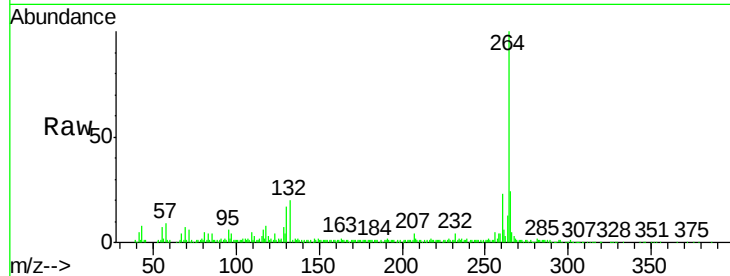
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF104713.D
Acq: 23 Apr 2018 16:54

Instrument :
BNA_F
ClientSampleId :
RBR-47184RT

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	23.6	17.5	26.3

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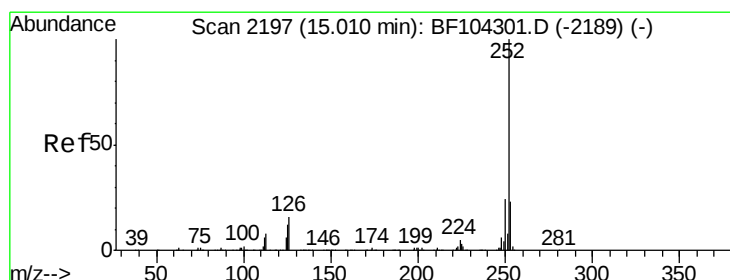
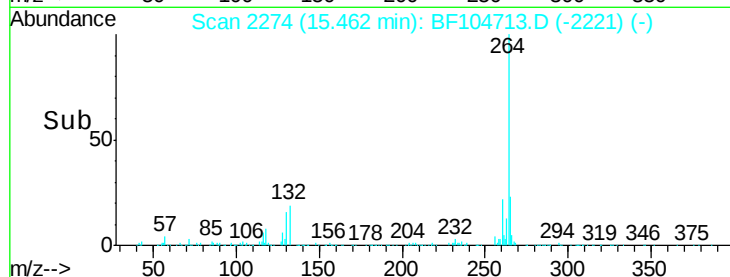
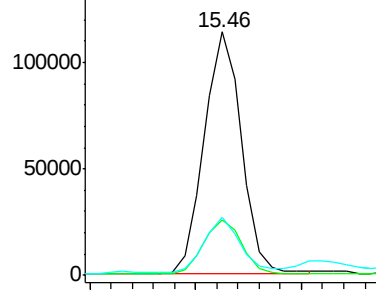


Abundance

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: 49.270 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF104713.D
Acq: 23 Apr 2018 16:54

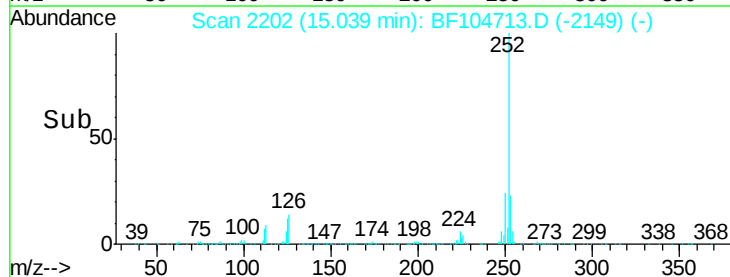
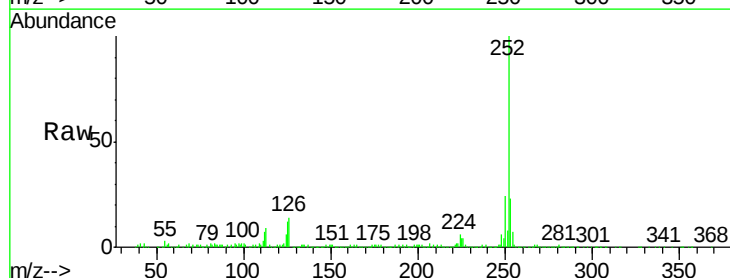
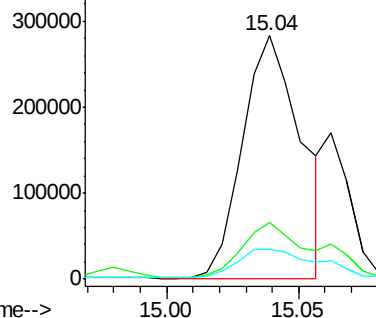
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	12.5	9.0	13.6

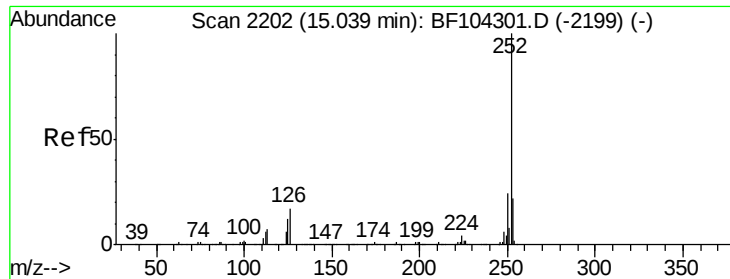
Abundance

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





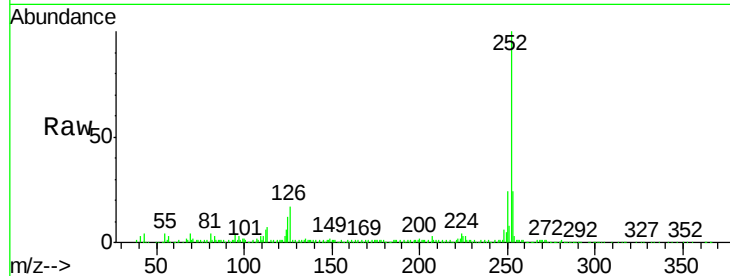
#88
Benzo(k)fluoranthene
Concen: 14.117 ng/mL
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF104713.D
Acq: 23 Apr 2018 16:54

Instrument :
BNA_F
ClientSampleId :
RBR-47184RT

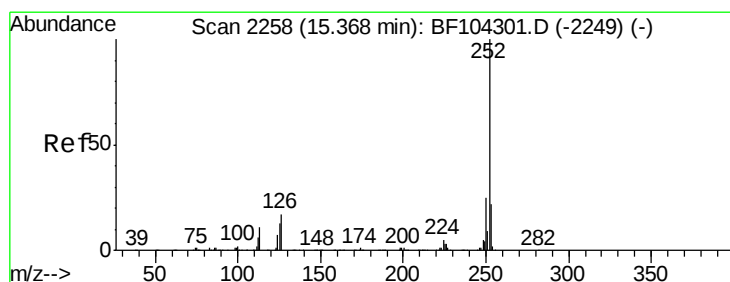
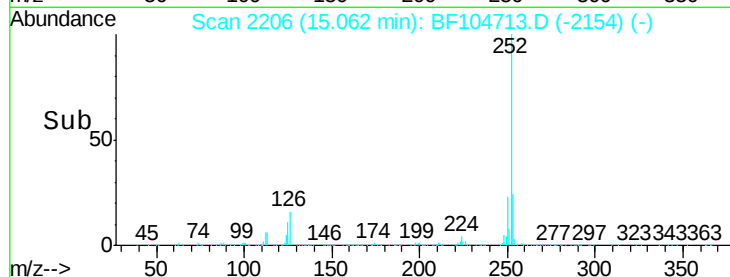
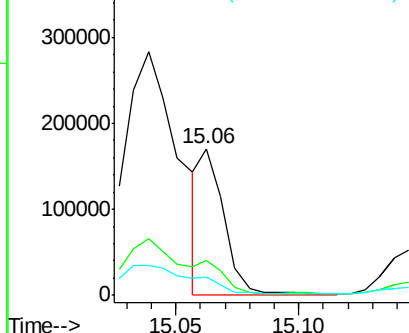
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	12.4	10.2	15.2

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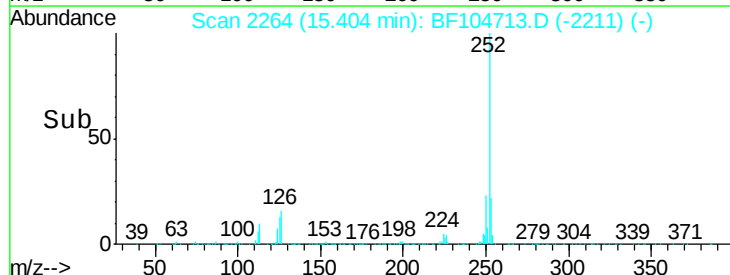
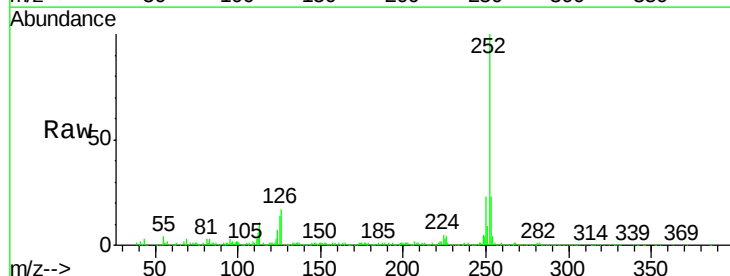
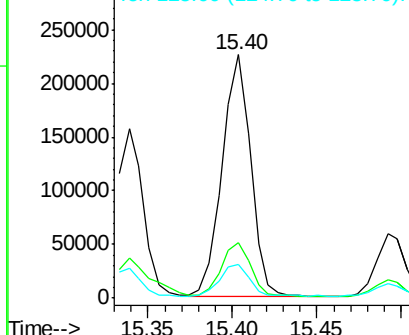
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

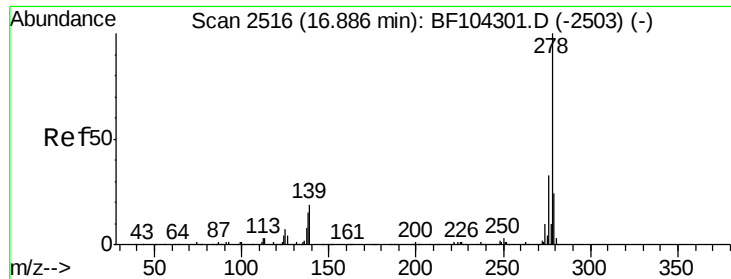


#89
Benzo(a)pyrene
Concen: 34.213 ng/mL
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF104713.D
Acq: 23 Apr 2018 16:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	14.0	9.8	14.6

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





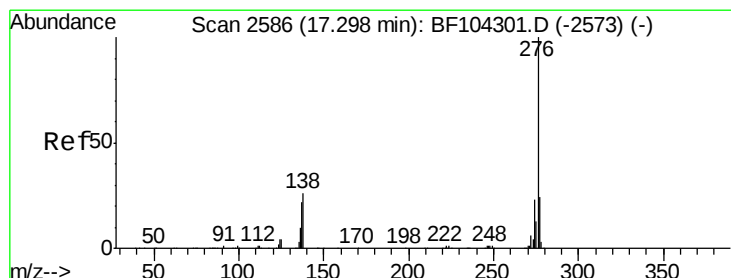
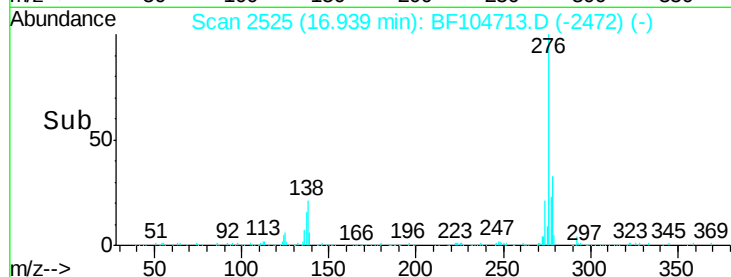
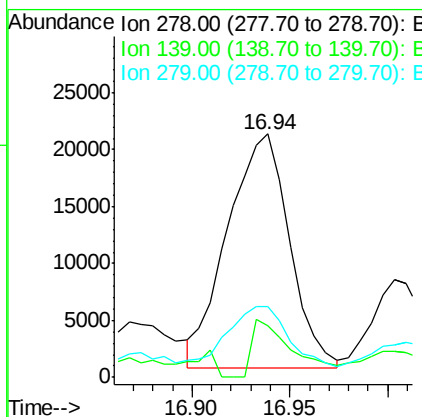
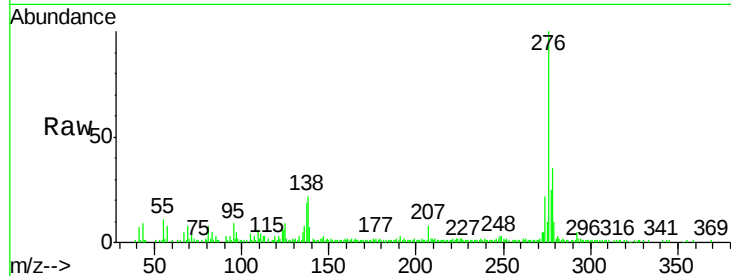
#90
Dibenzo(a,h)anthracene
Concen: 7.058 ng/mL
RT: 16.94 min Scan# 2525
Delta R.T. 0.01 min
Lab File: BF104713.D
Acq: 23 Apr 2018 16:54

Instrument :
BNA_F
ClientSampleId :
RBR-47184RT

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.4	15.9	23.9
279	29.1	19.0	28.4

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#91
Benzo(g,h,i)perylene
Concen: 23.581 ng/mL
RT: 17.37 min Scan# 2599
Delta R.T. 0.02 min
Lab File: BF104713.D
Acq: 23 Apr 2018 16:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	17.9	26.9
138	25.6	21.8	32.8

