

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
 Data File : BF104752.D
 Acq On : 24 Apr 2018 13:26
 Operator : JU/SJ
 Sample : J2493-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RS-RO-RT-27438

Manual Integrations
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Quant Time: Apr 25 11:14:25 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	6.80	152	106504	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	431705	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	208035	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	386941	20.00	ng	0.00
75) Chrysene-d12	13.99	240	411751	20.00	ng	0.00
86) Perylene-d12	15.46	264	316843	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	599753	86.11	ng	0.02
7) Phenol-d6	6.45	99	733113	85.66	ng	0.00
23) Nitrobenzene-d5	7.37	82	445997	67.46	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	189390	87.76	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	583246	44.29	ng	0.00
78) Terphenyl-d14	12.93	244	1126662	62.38	ng	0.01
Target Compounds						
10) Phenol	6.46	94	35897	3.953	ng	98
49) Dimethylphthalate	9.56	163	80883	4.930	ng	99
59) Diethylphthalate	10.26	149	397057	24.302	ng	99
61) 4-Nitroaniline	10.42	138	10681	3.074	ng	94
72) Carbazole	11.57	167	54381	2.541	ng	# 94
73) Di-n-butylphthalate	11.89	149	61284	2.344	ng	# 94
74) Fluoranthene	12.56	202	72809	3.234	ng	98
77) Pyrene	12.79	202	78483	2.571	ng	98
79) Butylbenzylphthalate	13.40	149	54386	3.782	ng	96
80) Benzo(a)anthracene	13.98	228	110092	4.476	ng	99
82) Chrysene	14.02	228	106764	4.226	ng	97
83) Bis(2-ethylhexyl)phthalate	13.96	149	77948	4.215	ng	99
84) Di-n-octyl phthalate	14.58	149	91940	2.975	ng	# 96
87) Benzo(b)fluoranthene	15.03	252	73323m	3.664	ng	
88) Benzo(k)fluoranthene	15.06	252	67731	3.585	ng	98
89) Benzo(a)pyrene	15.40	252	51141	2.856	ng	# 93

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

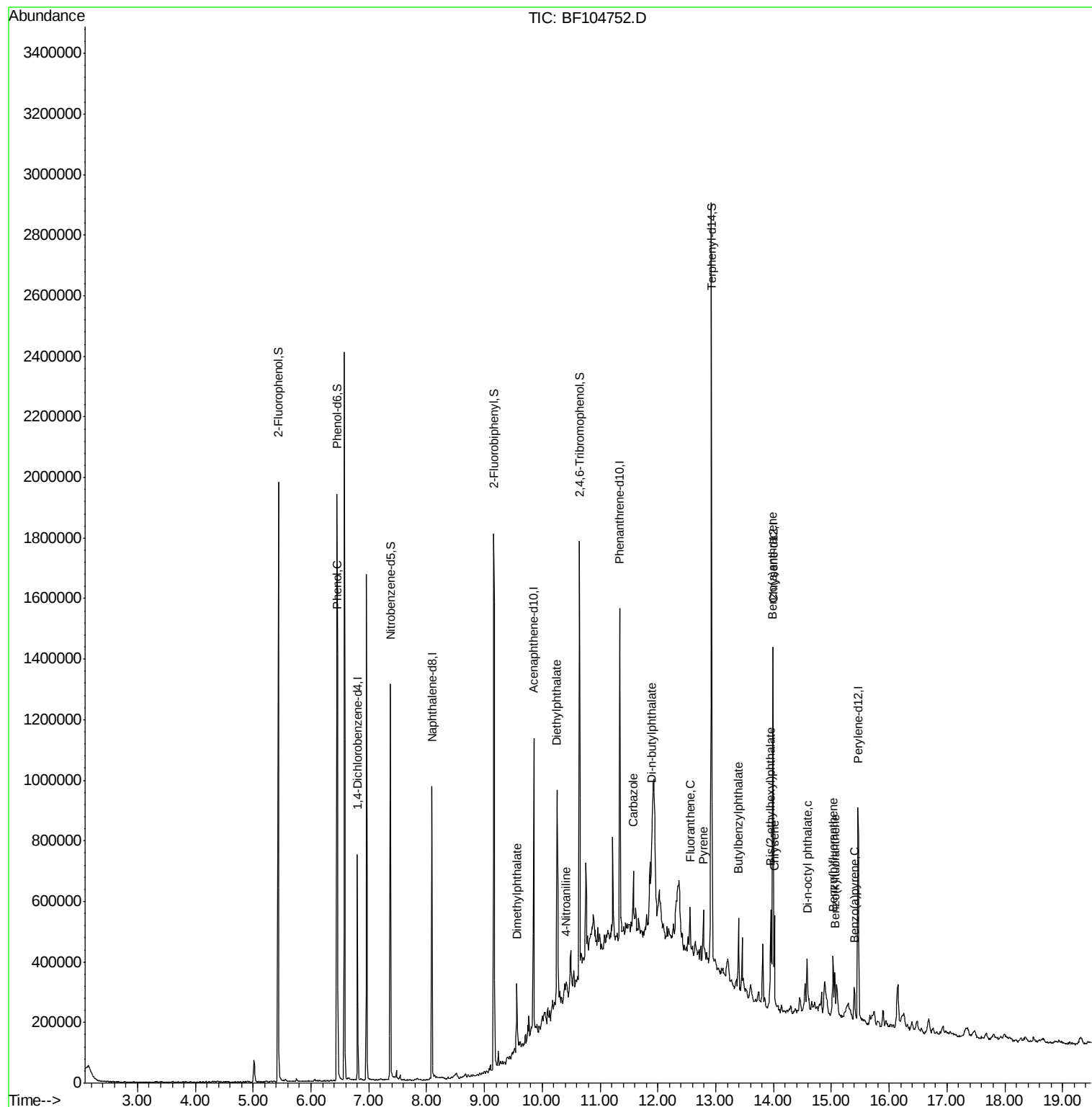
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
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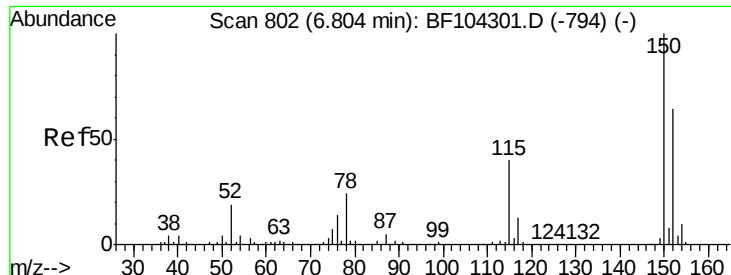
Instrument :
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Quant Time: Apr 25 11:14:25 2018
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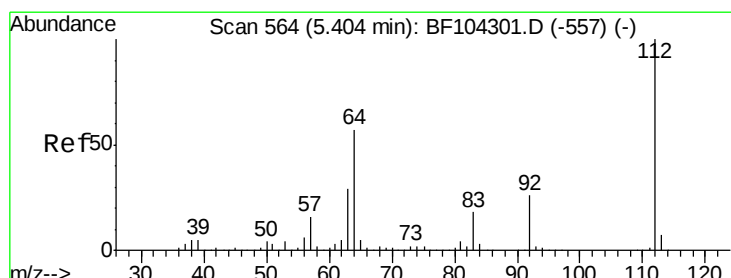
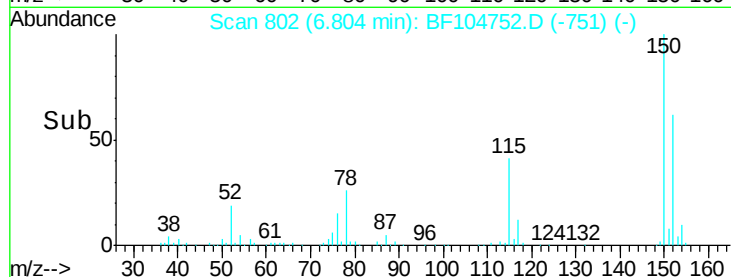
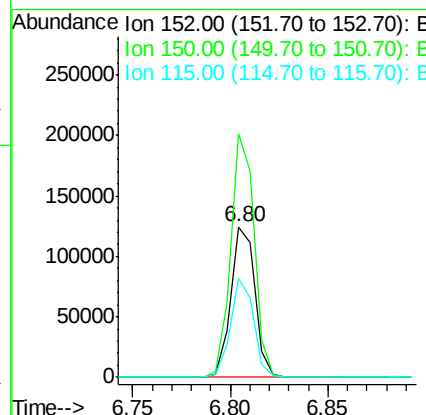
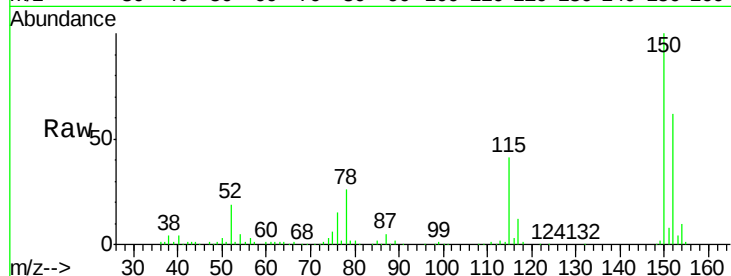
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: BF104752.D
 Acq: 24 Apr 2018 13:26

Instrument :
 BNA_F
 ClientSampleId :
 RS-RO-RT-27438

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.1	124.6	186.8
115	65.7	50.1	75.1

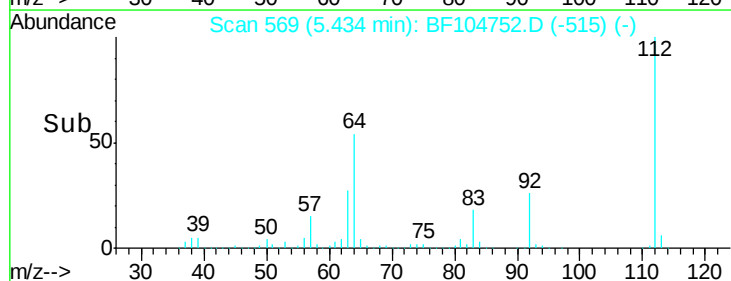
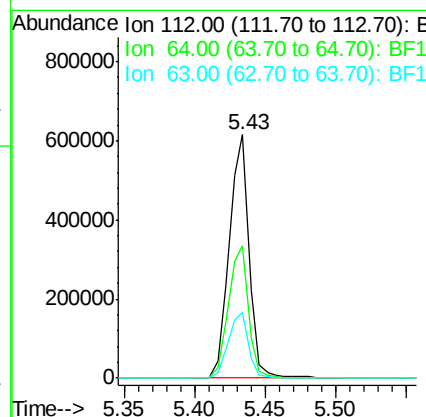
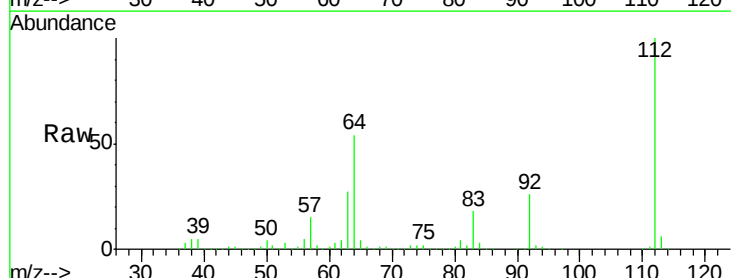
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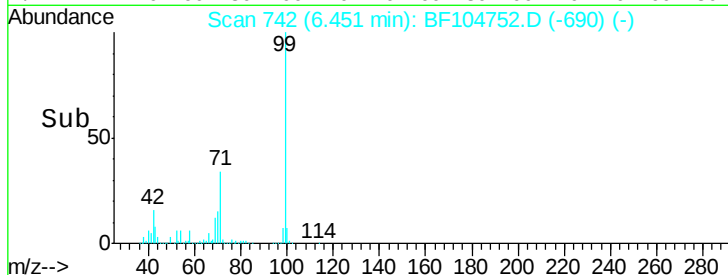
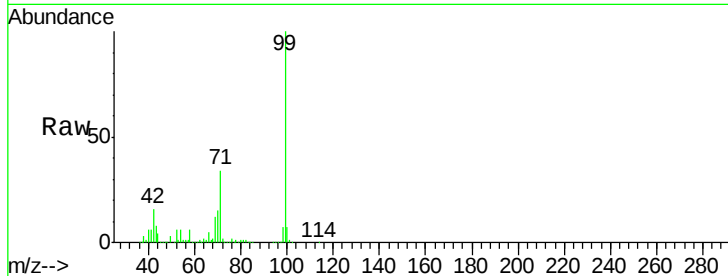
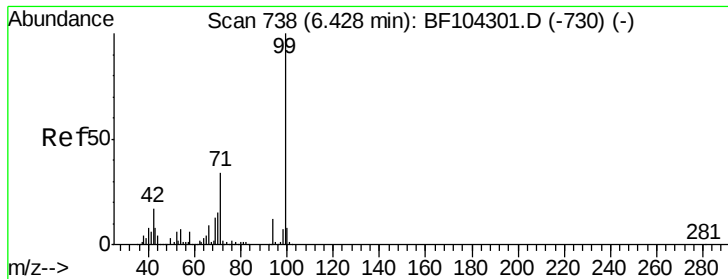
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#5
 2-Fluorophenol
 Concen: 86.105 ng
 RT: 5.43 min Scan# 569
 Delta R.T. 0.02 min
 Lab File: BF104752.D
 Acq: 24 Apr 2018 13:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.2	47.9	71.9
63	27.2	23.7	35.5





#7

Phenol-d6

Concen: 85.663 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104752.D

Acq: 24 Apr 2018 13:26

Tot Ion:	99	Resp:	733113
Ion Ratio	Lower	Upper	
99	100		
42	15.7	14.5	21.7
71	33.6	25.4	38.0

Instrument :

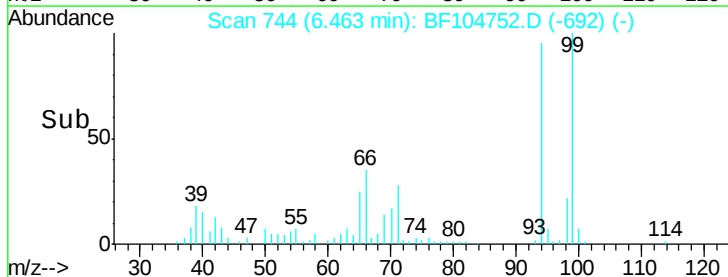
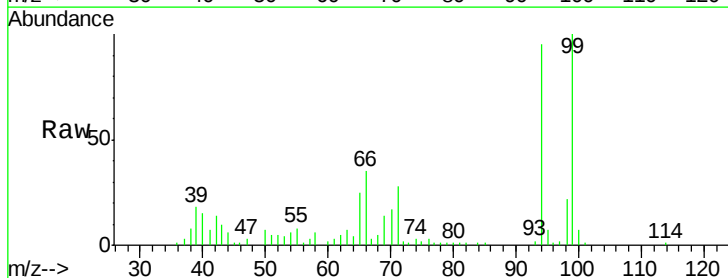
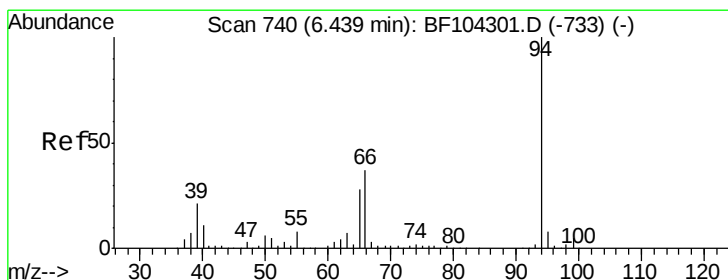
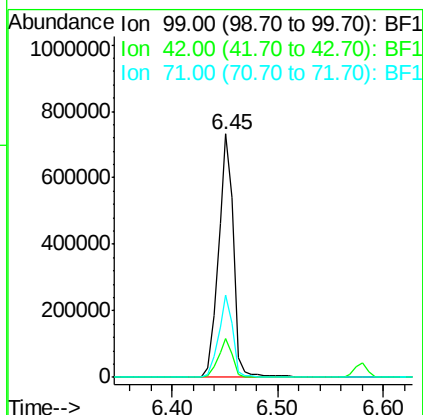
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 3.953 ng

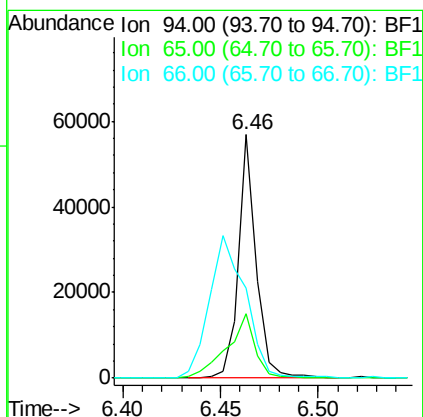
RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF104752.D

Acq: 24 Apr 2018 13:26

Tgt Ion:	94	Resp:	35897
Ion Ratio	Lower	Upper	
94	100		
65	26.3	7.9	47.9
66	37.1	16.2	56.2





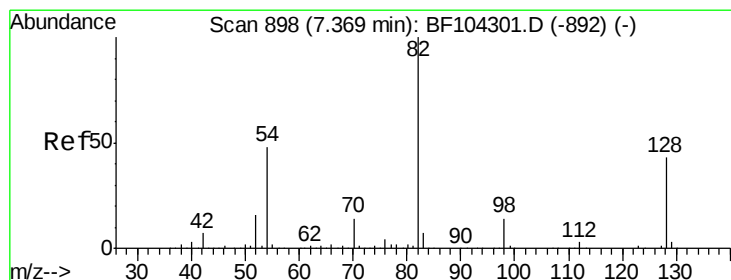
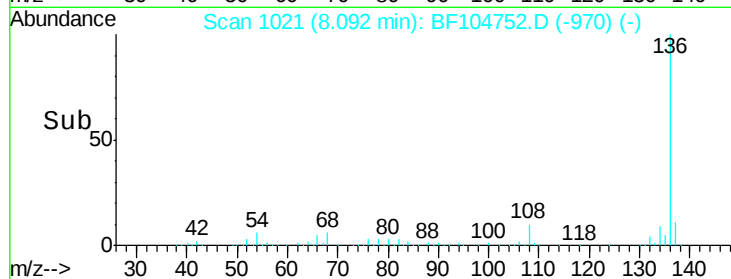
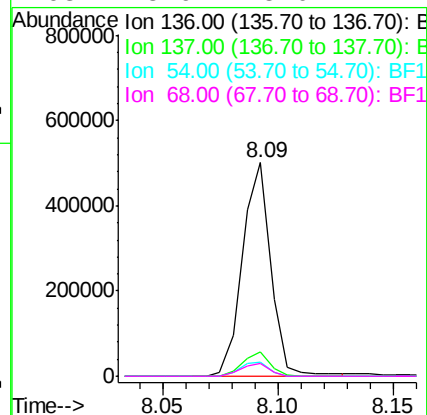
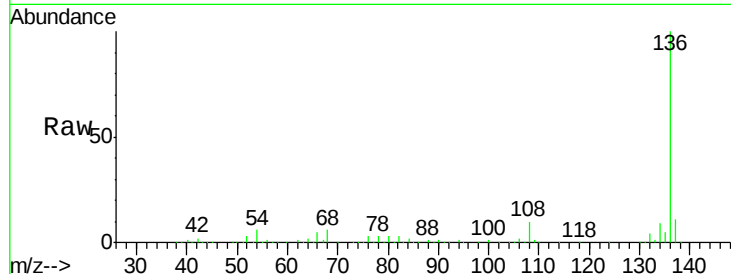
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Instrument :
BNA_F
ClientSampleId :
RS-RO-RT-27438

Tot Ion	Ratio	Resp	Lower	Upper
136	100	431705		
137	11.2		8.9	13.3
54	6.4		6.6	9.8
68	5.9		5.0	7.4

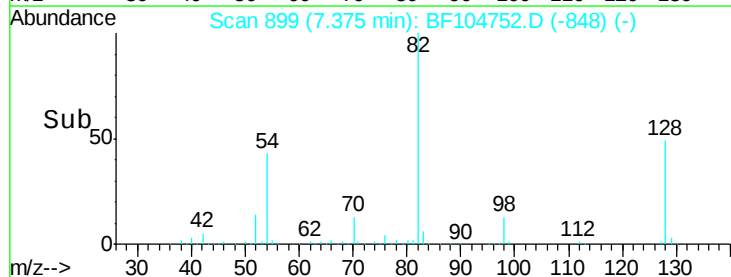
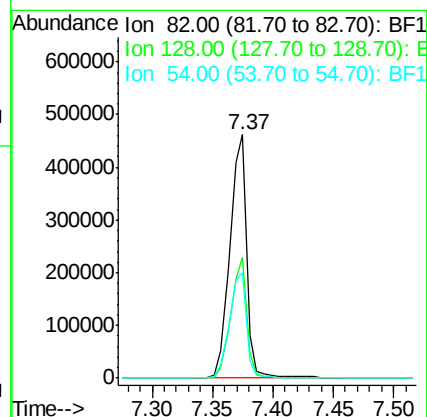
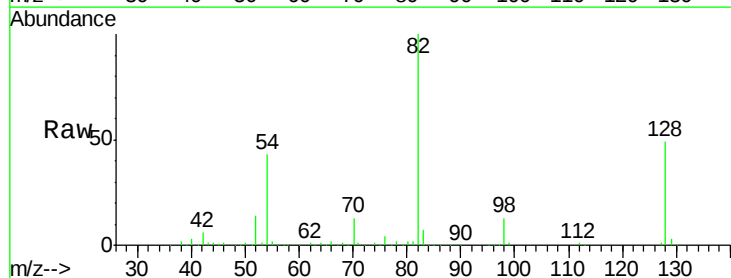
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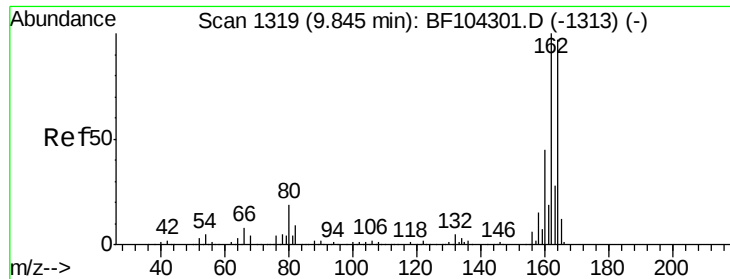
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#23
Nitrobenzene-d5
Concen: 67.460 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	445997		
128	49.4		36.1	54.1
54	43.2		41.4	62.2





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.01 min

Lab File: BF104752.D

Acq: 24 Apr 2018 13:26

Instrument :

BNA_F

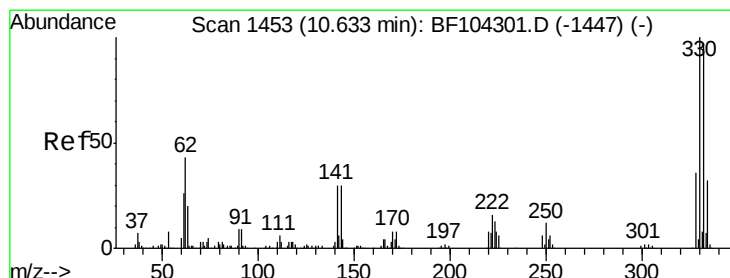
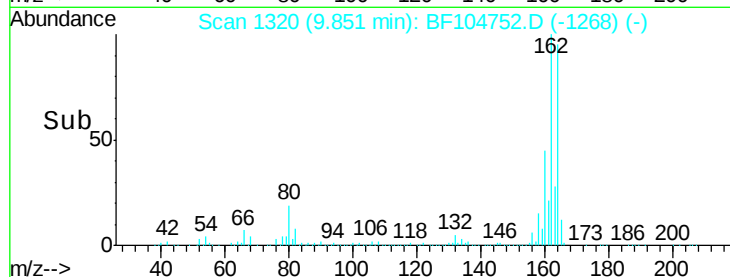
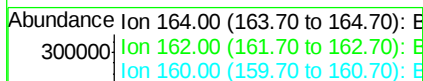
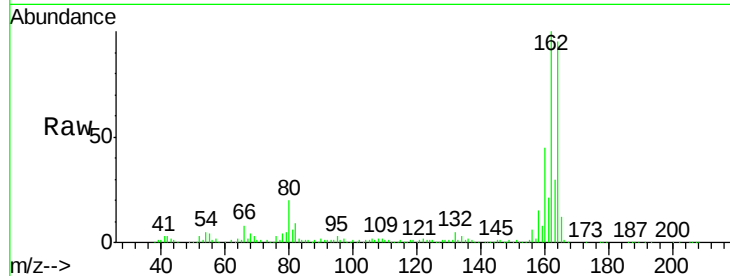
ClientSampleId :

RS-RO-RT-27438

Tot Ion:	164	Resp:	208035
Ion Ratio	Lower	Upper	
164	100		
162	105.3	86.1	129.1
160	46.9	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 87.762 ng

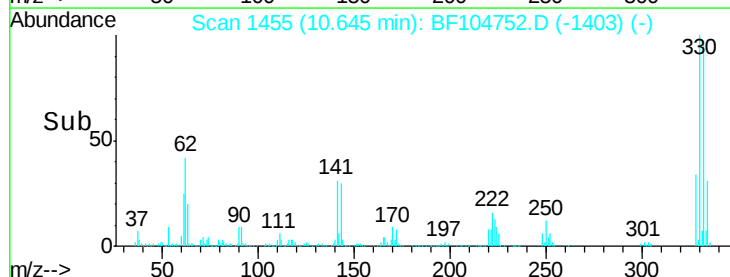
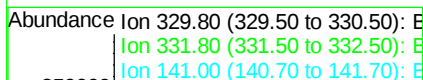
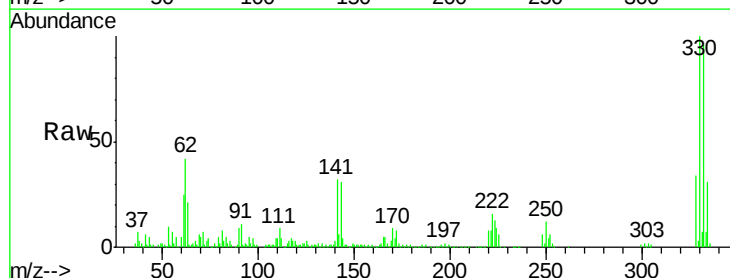
RT: 10.65 min Scan# 1455

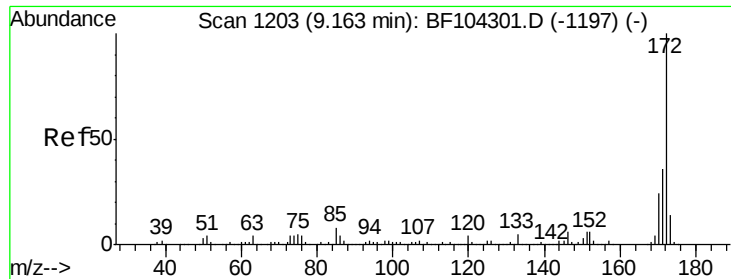
Delta R.T. 0.01 min

Lab File: BF104752.D

Acq: 24 Apr 2018 13:26

Tgt Ion:	330	Resp:	189390
Ion Ratio	Lower	Upper	
330	100		
332	96.4	77.0	115.6
141	33.3	29.9	44.9





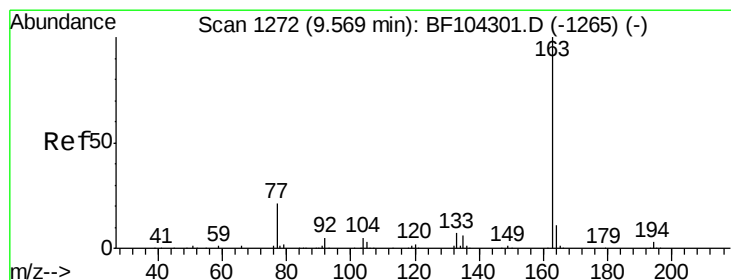
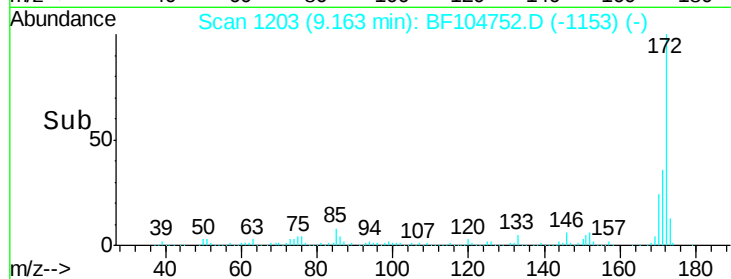
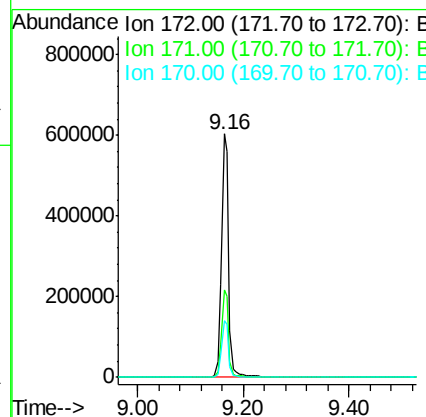
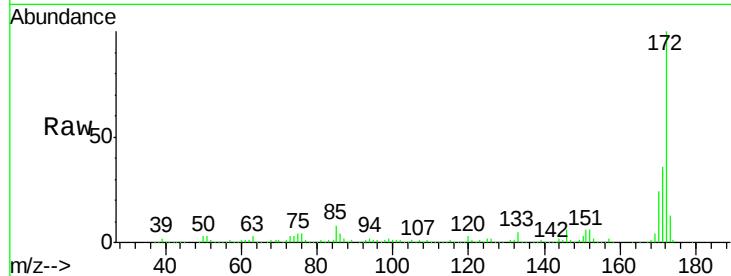
#44
2-Fluorobiphenyl
Concen: 44.290 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Instrument :
BNA_F
ClientSampleId :
RS-RO-RT-27438

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.6	19.6	29.4

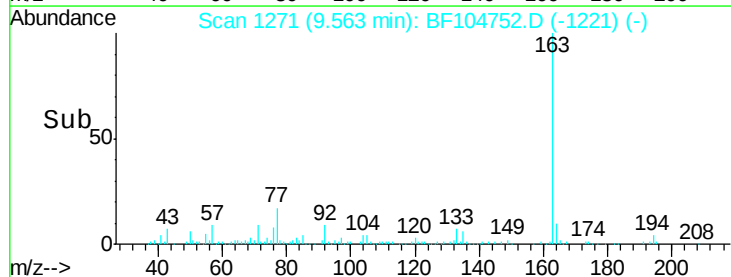
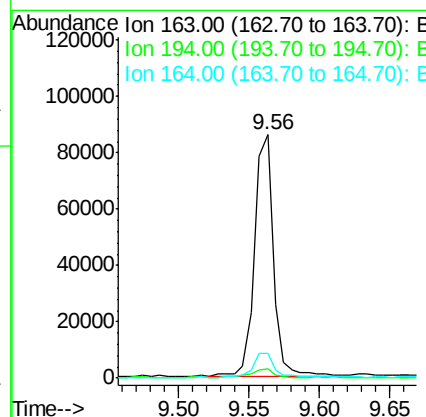
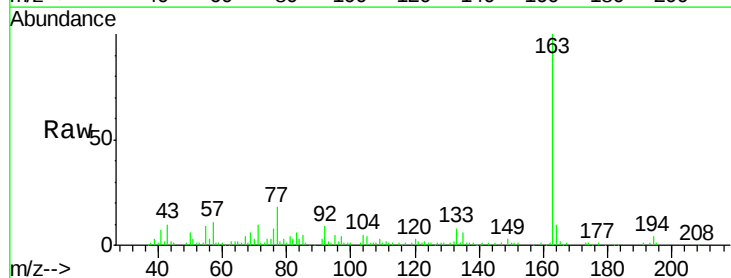
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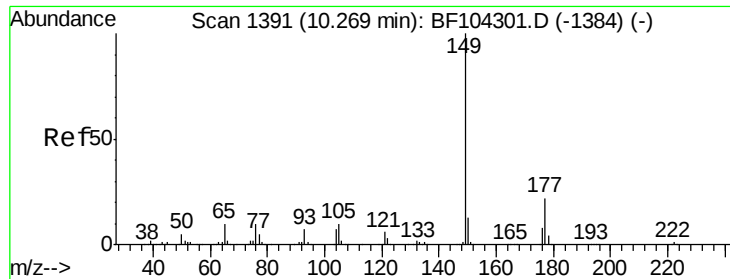
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#49
Dimethylphthalate
Concen: 4.930 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	10.4	8.2	12.2





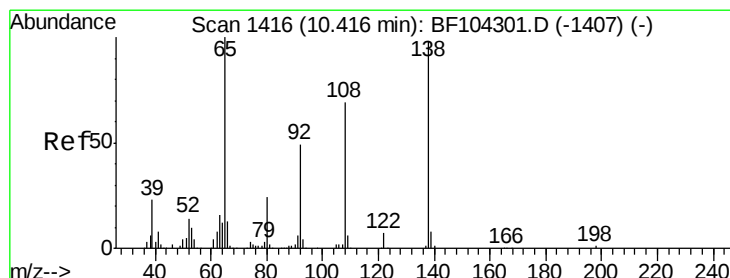
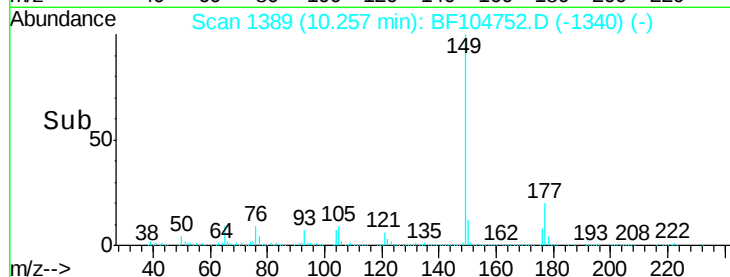
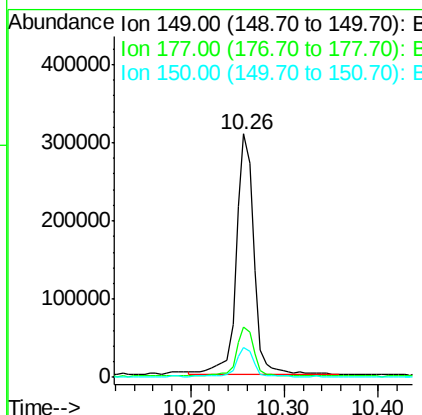
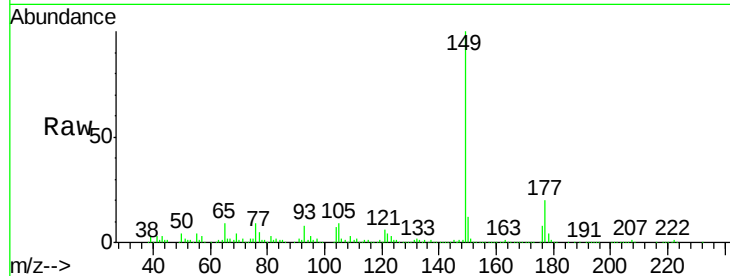
#59
Diethylphthalate
Concen: 24.302 ng
RT: 10.26 min Scan# 1389
Delta R.T. -0.01 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Instrument :
BNA_F
ClientSampleId :
RS-RO-RT-27438

Tot Ion	Ratio	Lower	Upper
149	100		
177	20.5	16.1	24.1
150	12.0	10.1	15.1

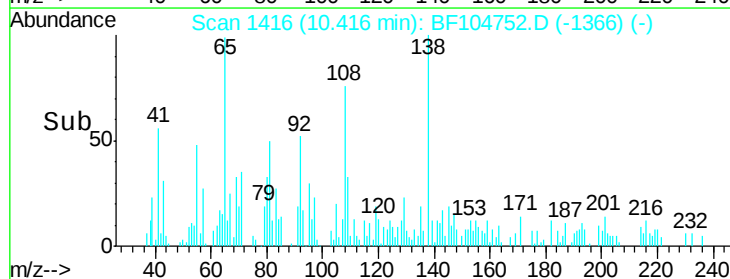
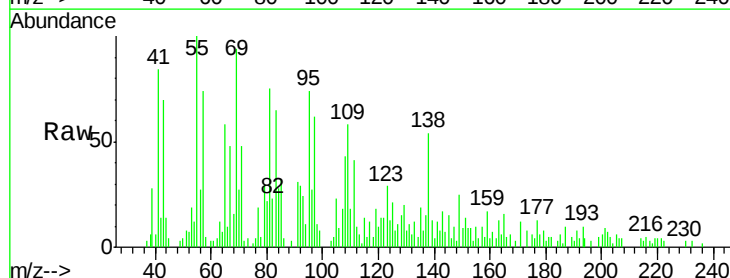
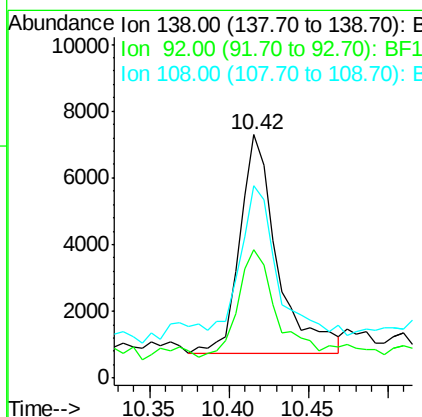
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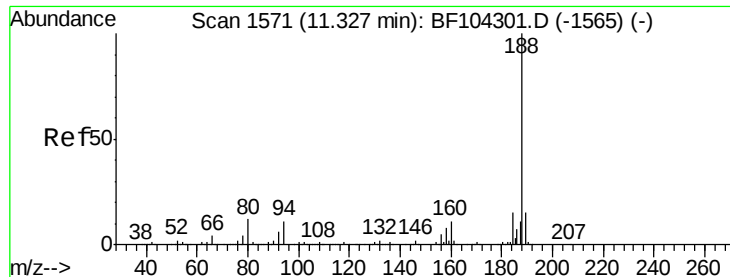
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#61
4-Nitroaniline
Concen: 3.074 ng
RT: 10.42 min Scan# 1416
Delta R.T. -0.01 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Tgt Ion	Ratio	Lower	Upper
138	100		
92	53.0	30.2	70.2
108	79.0	52.5	92.5





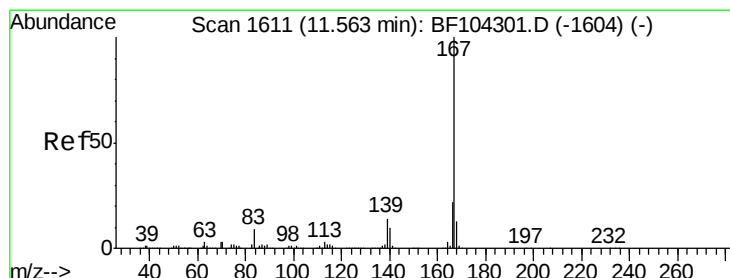
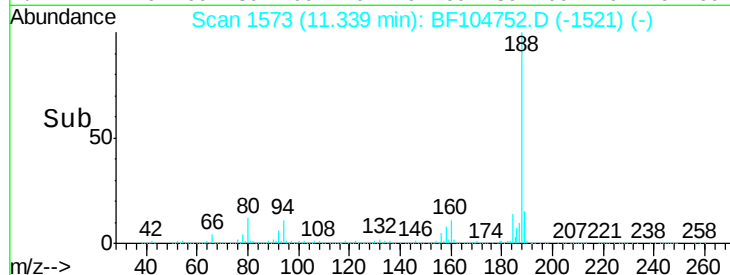
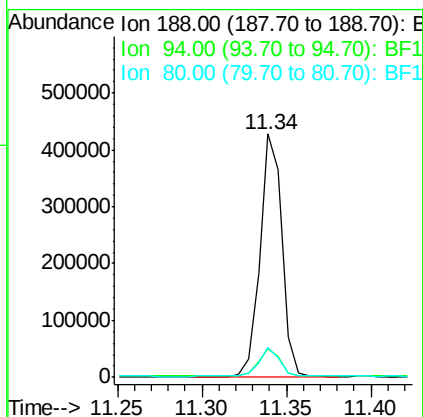
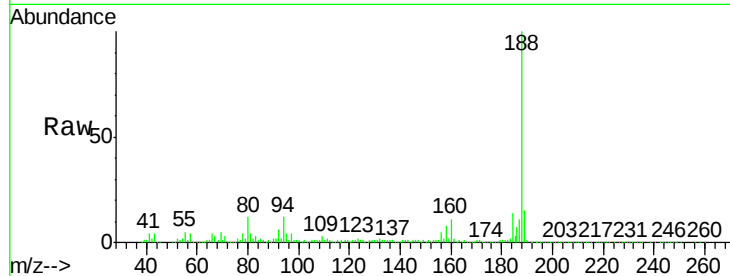
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Instrument :
BNA_F
ClientSampleId :
RS-RO-RT-27438

Tot Ion:	188	Resp:	386941
Ion Ratio	Lower	Upper	
188	100		
94	11.7	8.5	12.7
80	12.1	9.2	13.8

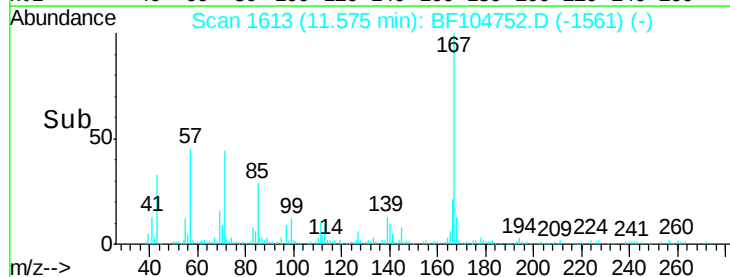
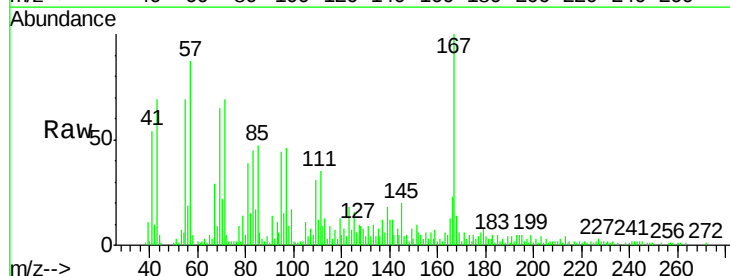
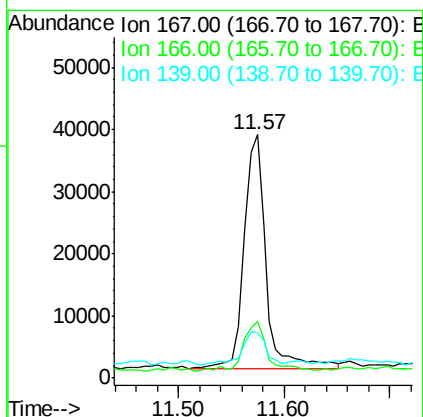
Manual Integrations
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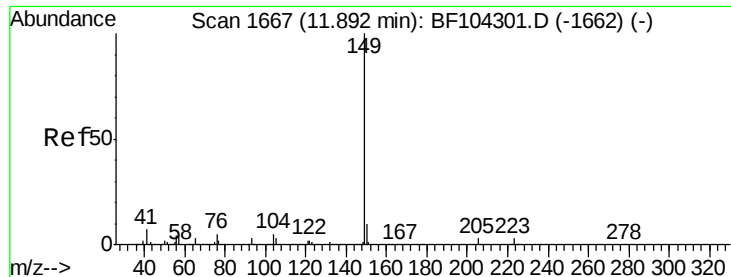
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#72
Carbazole
Concen: 2.541 ng
RT: 11.57 min Scan# 1613
Delta R.T. 0.01 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Tgt Ion:	167	Resp:	54381
Ion Ratio	Lower	Upper	
167	100		
166	23.3	17.6	26.4
139	18.5	10.9	16.3#





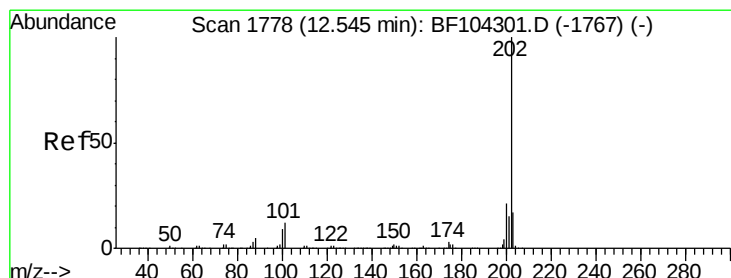
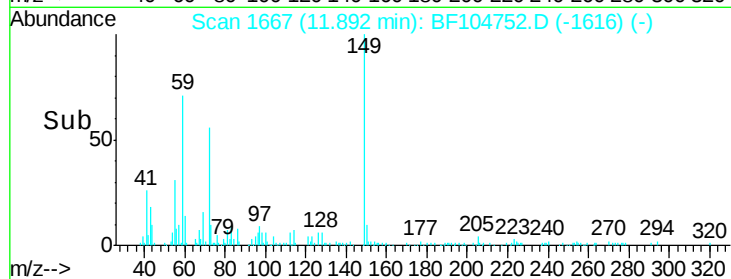
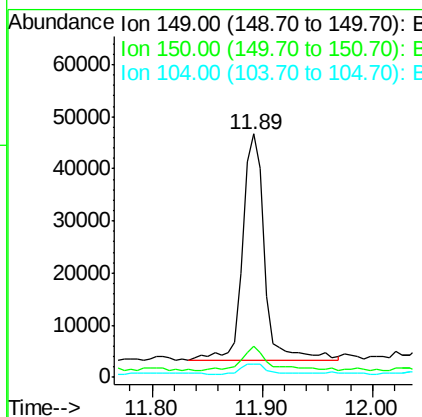
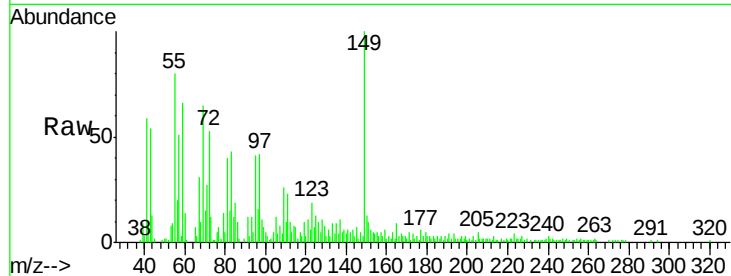
#73
Di-n-butylphthalate
Concen: 2.344 ng
RT: 11.89 min Scan# 1667
Delta R.T. -0.00 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Instrument :
BNA_F
ClientSampleId :
RS-RO-RT-27438

Tot Ion	Ratio	Lower	Upper
149	100		
150	12.9	7.8	11.6
104	5.4	3.8	5.8

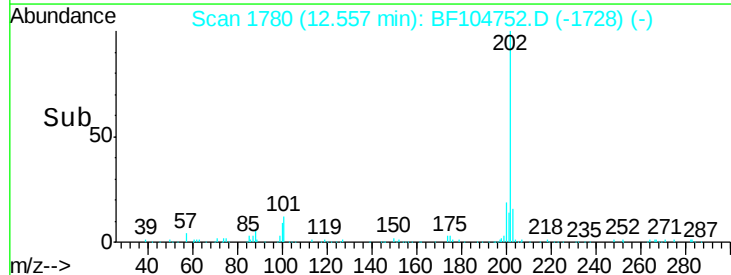
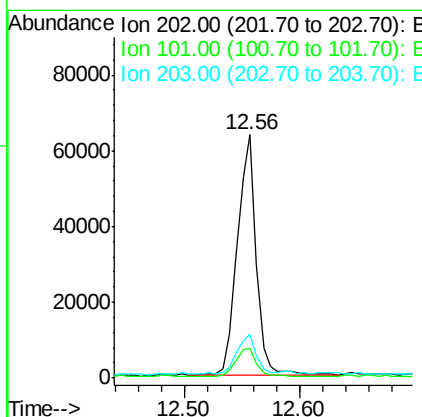
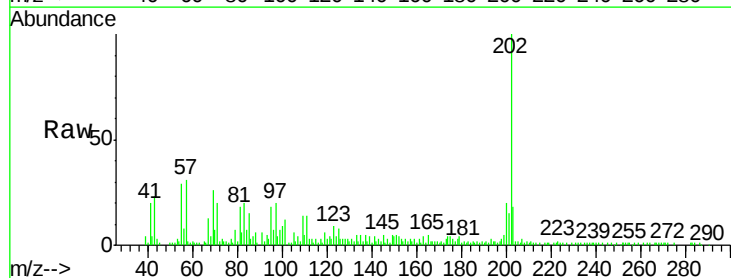
Manual Integrations
APPROVED

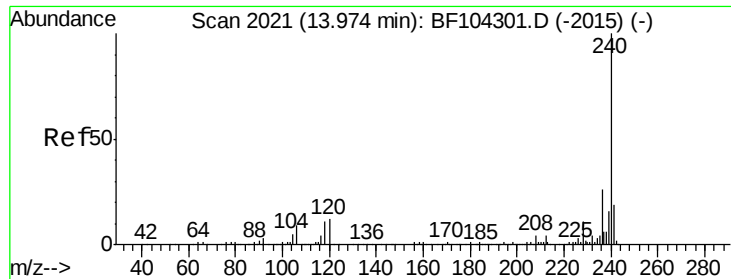
Sohil
4/25/2018 4:22:37 PM



#74
Fluoranthene
Concen: 3.234 ng
RT: 12.56 min Scan# 1780
Delta R.T. 0.01 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	34.1
203	18.2	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: BF104752.D

Acq: 24 Apr 2018 13:26

Instrument :

BNA_F

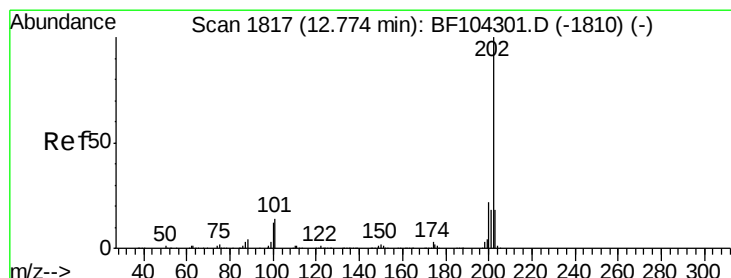
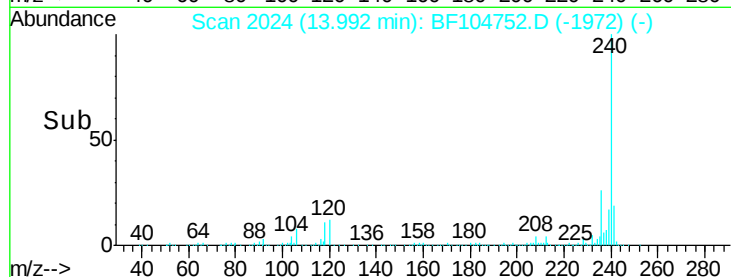
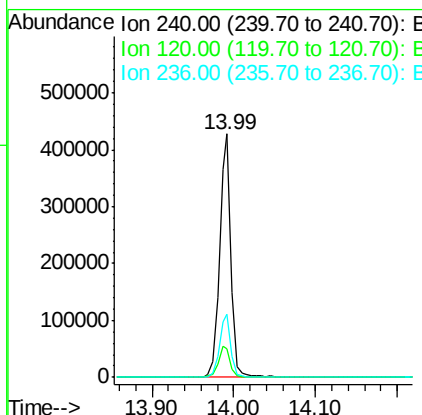
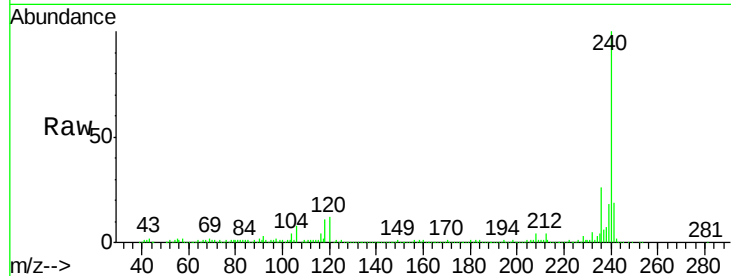
ClientSampleId :

RS-RO-RT-27438

Tot Ion:	240	Resp:	411751
Ion Ratio	Lower	Upper	
240	100		
120	11.9	9.5	14.3
236	25.7	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 2.571 ng

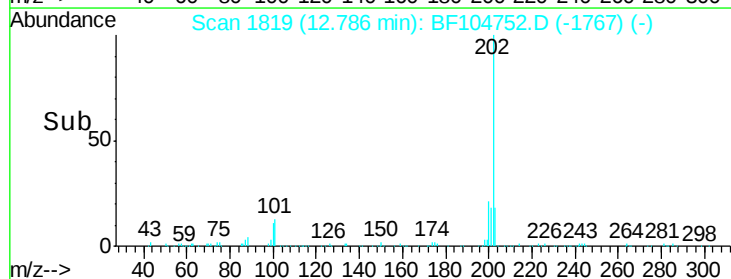
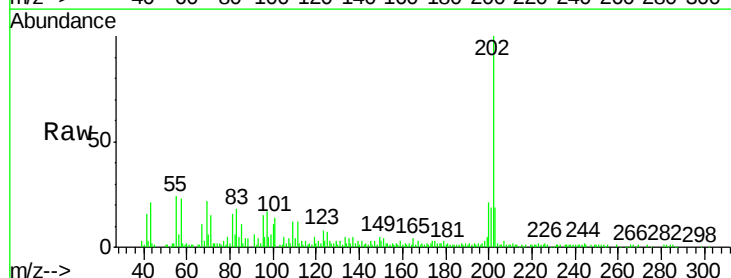
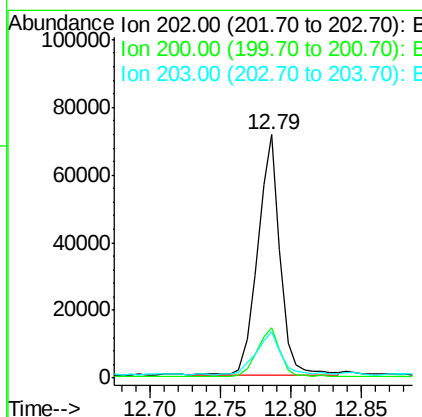
RT: 12.79 min Scan# 1819

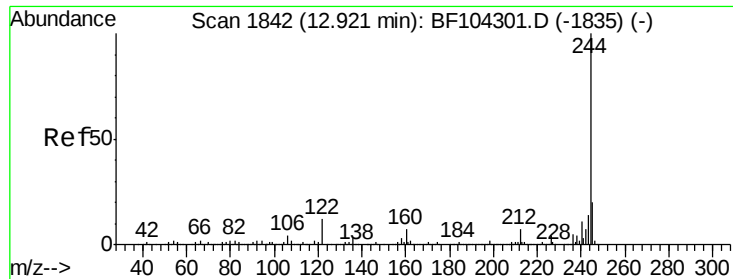
Delta R.T. 0.01 min

Lab File: BF104752.D

Acq: 24 Apr 2018 13:26

Tgt Ion:	202	Resp:	78483
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	19.0	14.3	21.5





#78

Terphenyl-d14

Concen: 62.382 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.01 min

Lab File: BF104752.D

Acq: 24 Apr 2018 13:26

Instrument :

BNA_F

ClientSampleId :

RS-RO-RT-27438

Tot Ion:244 Resp: 1126662

Ion Ratio Lower Upper

244 100

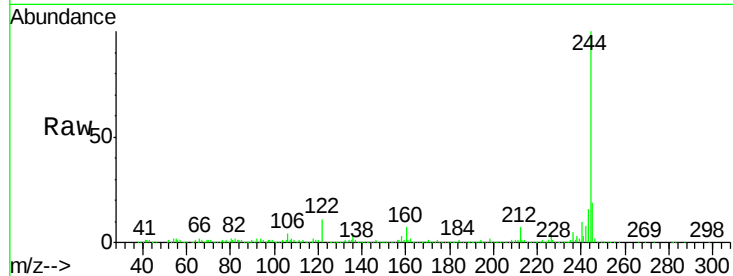
212 6.9 5.4 8.0

122 11.2 11.0 16.4

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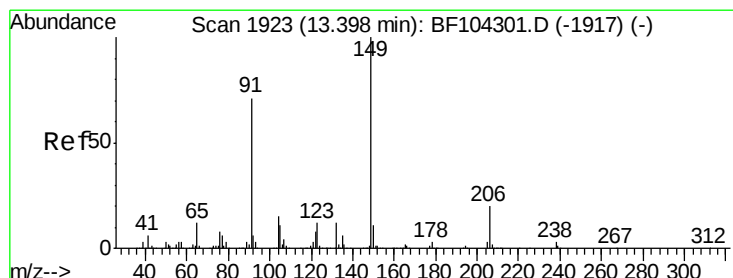
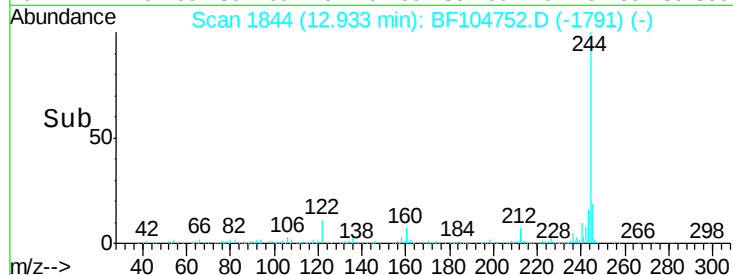
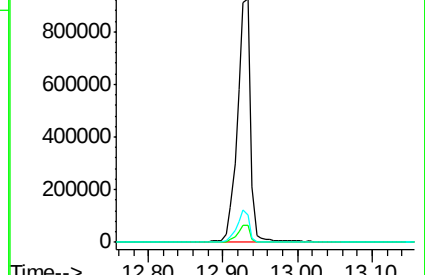
4/25/2018 4:22:37 PM



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 3.782 ng

RT: 13.40 min Scan# 1923

Delta R.T. 0.01 min

Lab File: BF104752.D

Acq: 24 Apr 2018 13:26

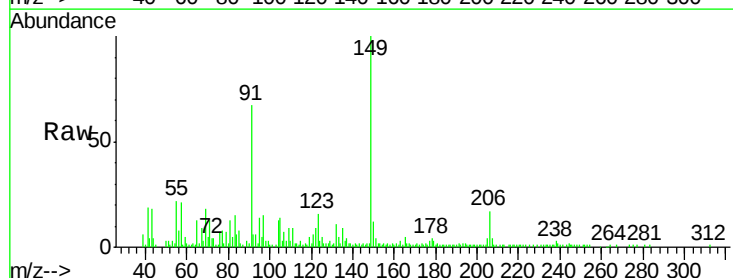
Tgt Ion:149 Resp: 54386

Ion Ratio Lower Upper

149 100

91 66.7 56.8 85.2

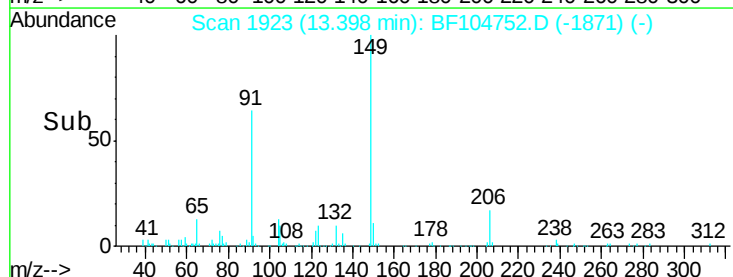
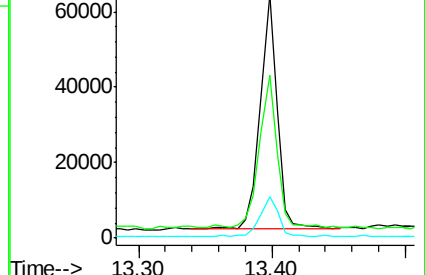
206 17.0 14.1 21.1

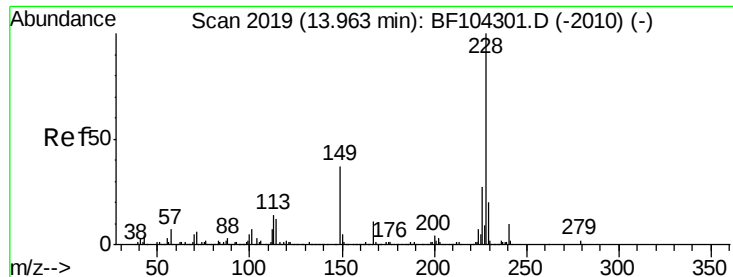


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





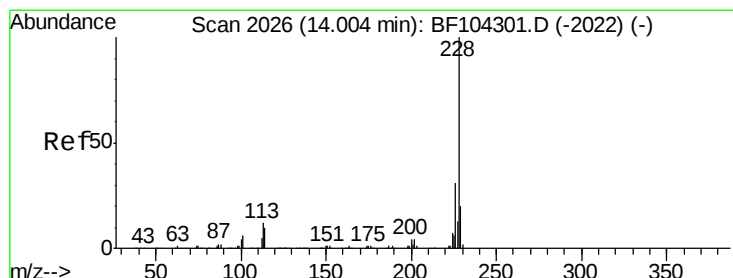
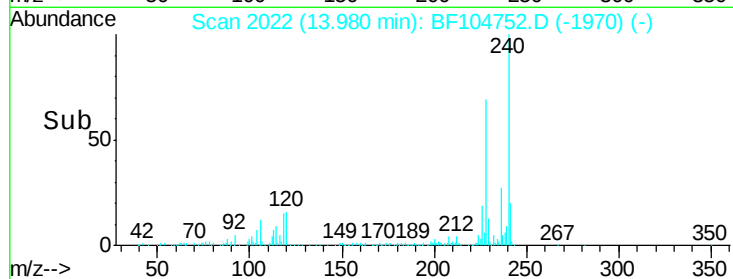
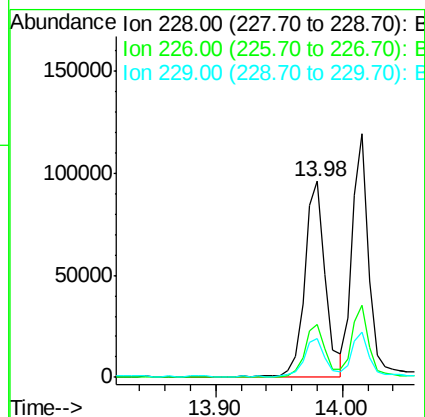
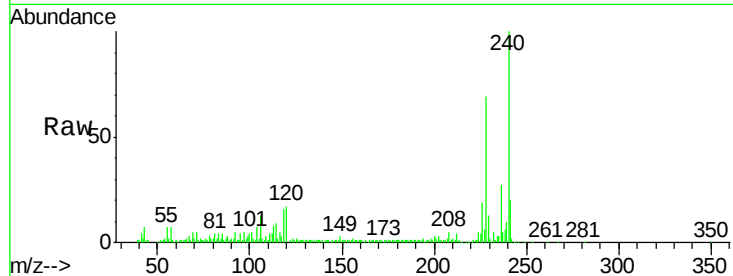
#80
Benzo(a)anthracene
Concen: 4.476 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Instrument :
BNA_F
ClientSampleId :
RS-RO-RT-27438

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	33.8
229	19.6	15.8	23.6

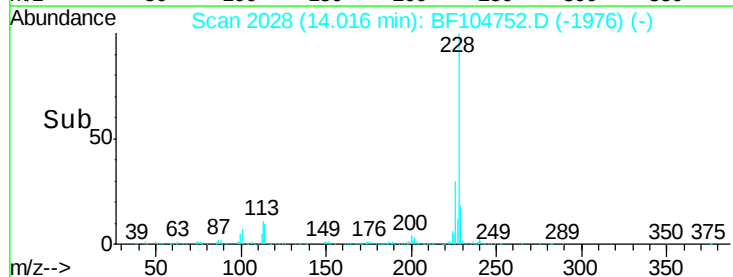
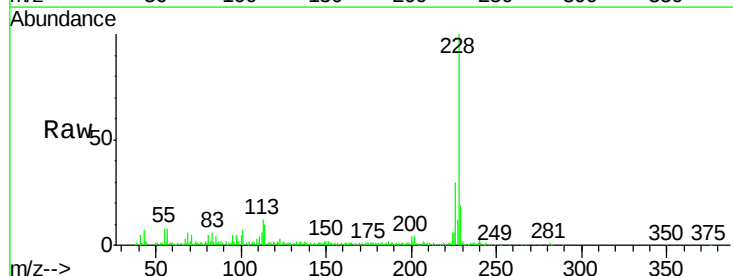
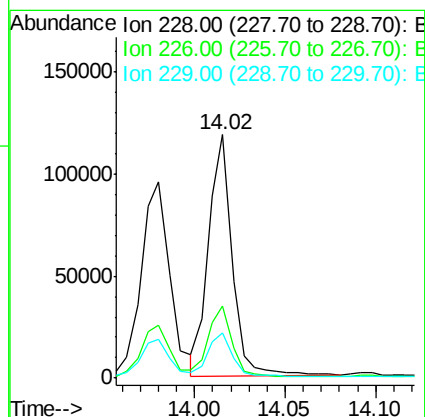
Manual Integrations
APPROVED

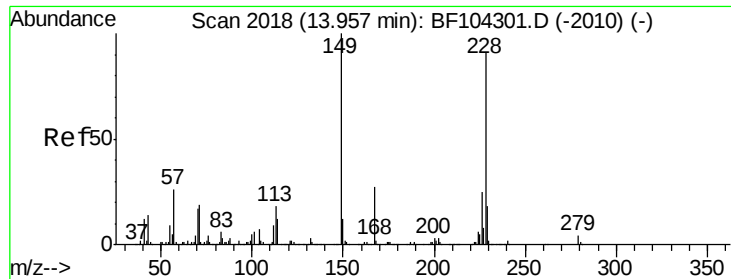
Sohil
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#82
Chrysene
Concen: 4.226 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	18.7	16.2	24.4





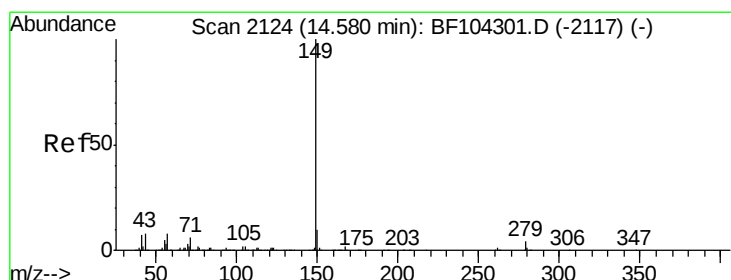
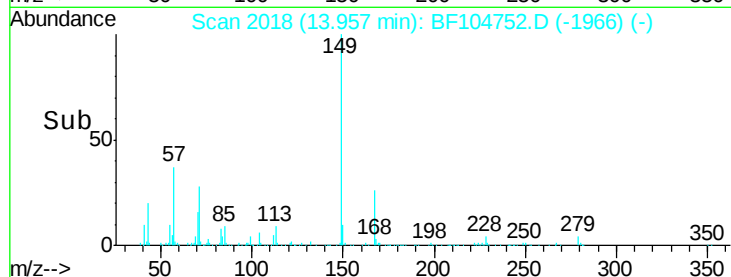
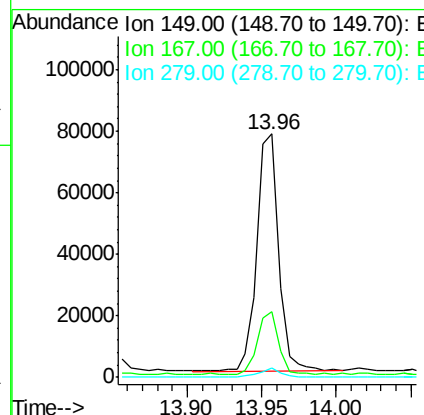
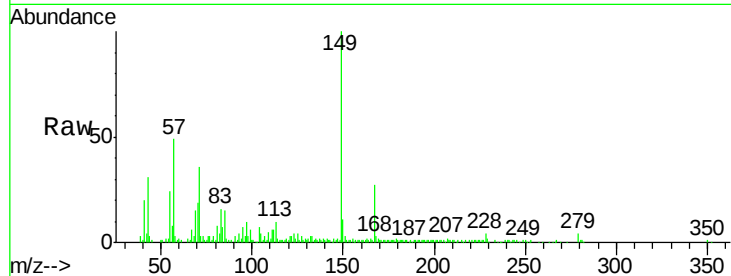
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.215 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. 0.01 min
 Lab File: BF104752.D
 Acq: 24 Apr 2018 13:26

Instrument :
 BNA_F
 ClientSampleID :
 RS-RO-RT-27438

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.3	31.9
279	4.0	3.0	4.4

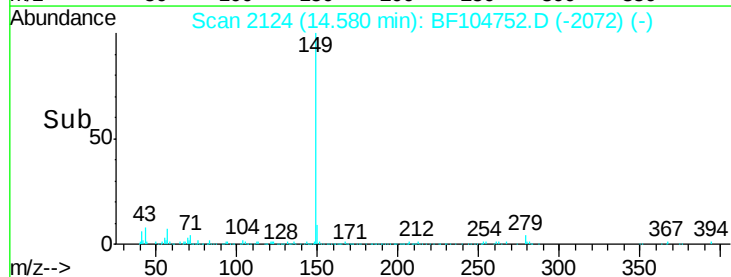
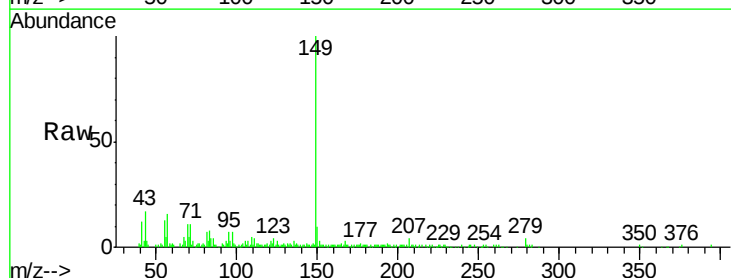
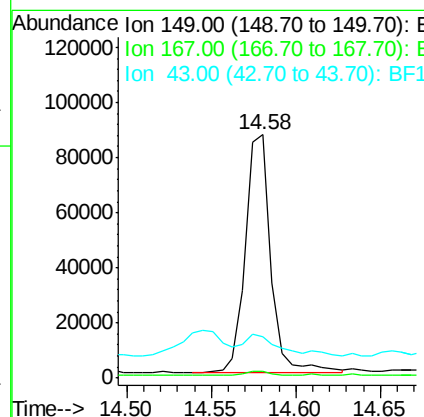
Manual Integrations
 APPROVED

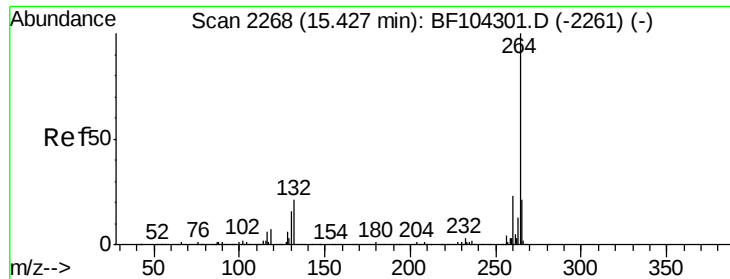
Sohil
 4/25/2018 4:22:37 PM



#84
 Di-n-octyl phthalate
 Concen: 2.975 ng
 RT: 14.58 min Scan# 2124
 Delta R.T. 0.01 min
 Lab File: BF104752.D
 Acq: 24 Apr 2018 13:26

Tgt Ion	Ratio	Lower	Upper
149	100		
167	2.0	1.2	1.8#
43	12.0	8.4	12.6





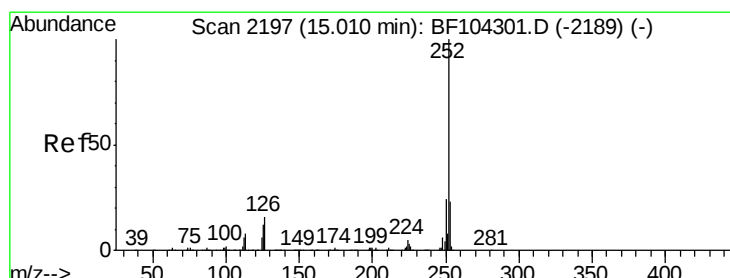
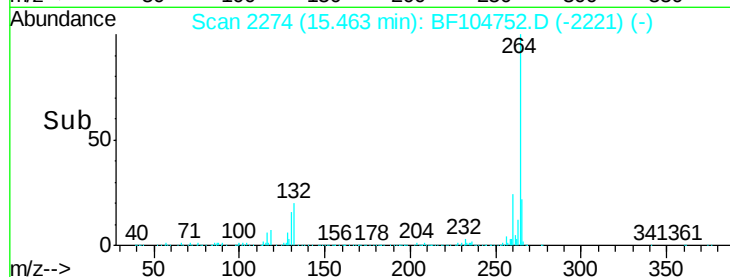
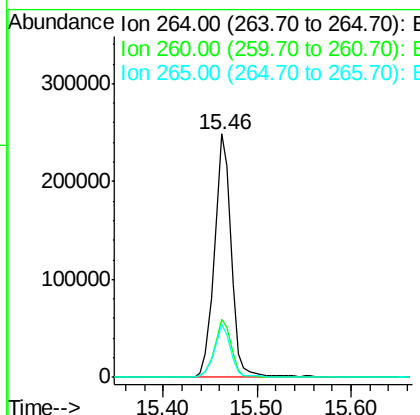
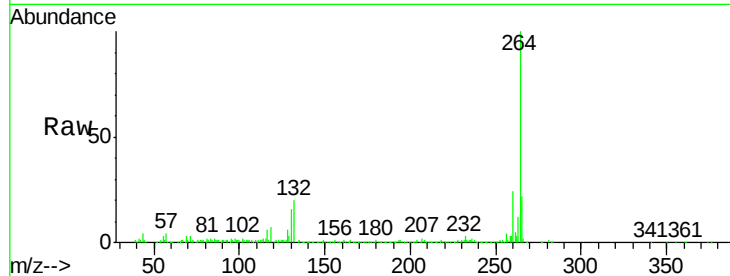
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Instrument :
BNA_F
ClientSampleId :
RS-RO-RT-27438

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.5	17.5	26.3

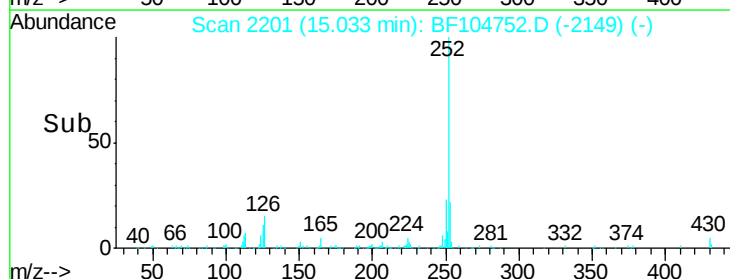
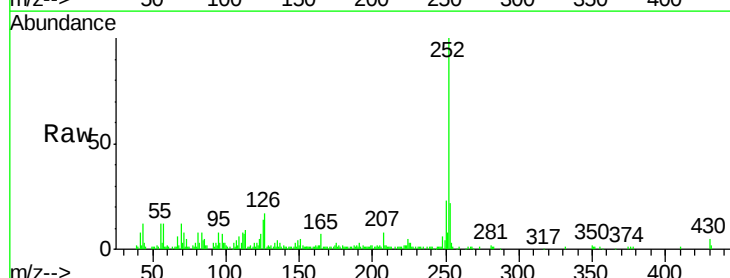
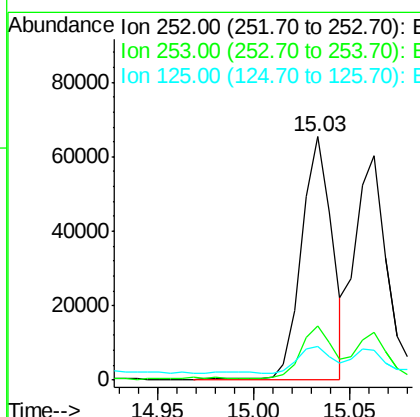
Manual Integrations
APPROVED

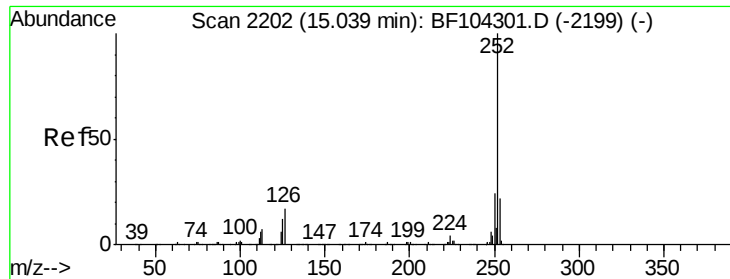
Sohil
4/25/2018 4:22:37 PM



#87
Benzo(b)fluoranthene
Concen: 3.664 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	13.8	9.0	13.6#





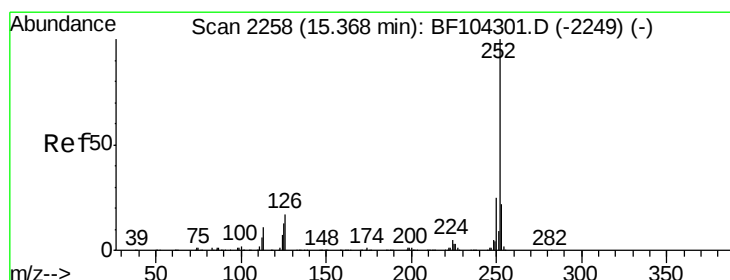
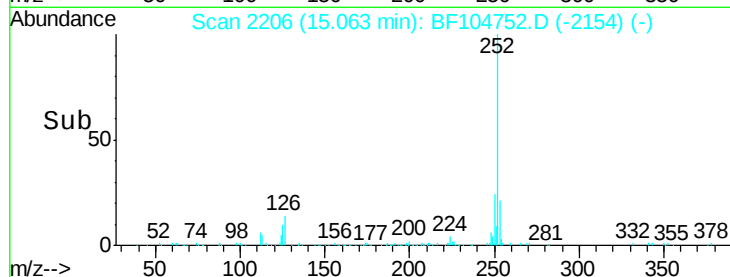
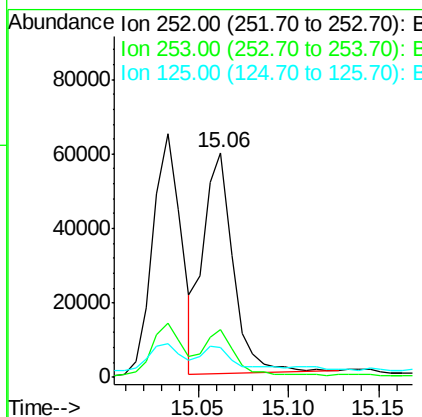
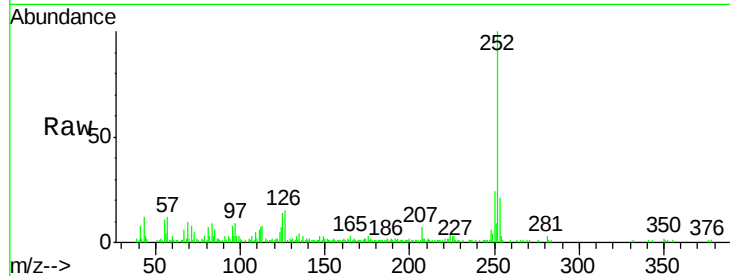
#88
Benzo(k)fluoranthene
Concen: 3.585 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Instrument :
BNA_F
ClientSampleId :
RS-RO-RT-27438

Tot Ion	Ratio	Resp	Lower	Upper
252	100	67731		
253	21.3		17.9	26.9
125	13.5		10.2	15.2

Manual Integrations
APPROVED

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4/25/2018 4:22:37 PM



#89
Benzo(a)pyrene
Concen: 2.856 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF104752.D
Acq: 24 Apr 2018 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	51141		
253	22.2		17.1	25.7
125	18.2		9.8	14.6

