

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
 Data File : BF104463.D
 Acq On : 12 Apr 2018 20:43
 Operator : JU/SJ
 Sample : J2319-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRUM-1

Manual Integrations
 APPROVED

Sohil
 4/13/2018 4:43:47 PM

Quant Time: Apr 13 01:20:10 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 12 17:07:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	114724	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	443678	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	159686	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	254442	20.00	ng	0.00
75) Chrysene-d12	13.99	240	171464	20.00	ng	0.00
86) Perylene-d12	15.47	264	134072	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	679544	90.57	ng	0.01
7) Phenol-d6	6.45	99	804904	87.31	ng	0.00
23) Nitrobenzene-d5	7.37	82	478584	70.44	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	147122	88.82	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	805728	79.71	ng	0.00
78) Terphenyl-d14	12.93	244	617691	82.13	ng	0.00
Target Compounds						
10) Phenol	6.46	94	45695	4.672	ng	94
49) Dimethylphthalate	9.56	163	54593	4.335	ng	99
51) Acenaphthene	9.88	154	26295	2.592	ng	99
70) Phenanthrene	11.36	178	259639	18.324	ng	98
71) Anthracene	11.42	178	48130	3.342	ng	98
72) Carbazole	11.57	167	38796	2.756	ng	99
74) Fluoranthene	12.56	202	284081	19.189	ng	98
77) Pyrene	12.79	202	214440	16.872	ng	99
80) Benzo(a)anthracene	13.98	228	84233	8.223	ng	99
82) Chrysene	14.02	228	86716	8.242	ng	97
83) Bis(2-ethylhexyl)phthalate	13.97	149	133660	17.355	ng	98
85) Indeno(1,2,3-cd)pyrene	16.93	276	34054	3.810	ng	# 89
88) Benzo(k)fluoranthene	15.07	252	32038m	4.008	ng	
91) Benzo(a,h,i)perylene	17.37	276	29475	4.889	ng	# 84

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

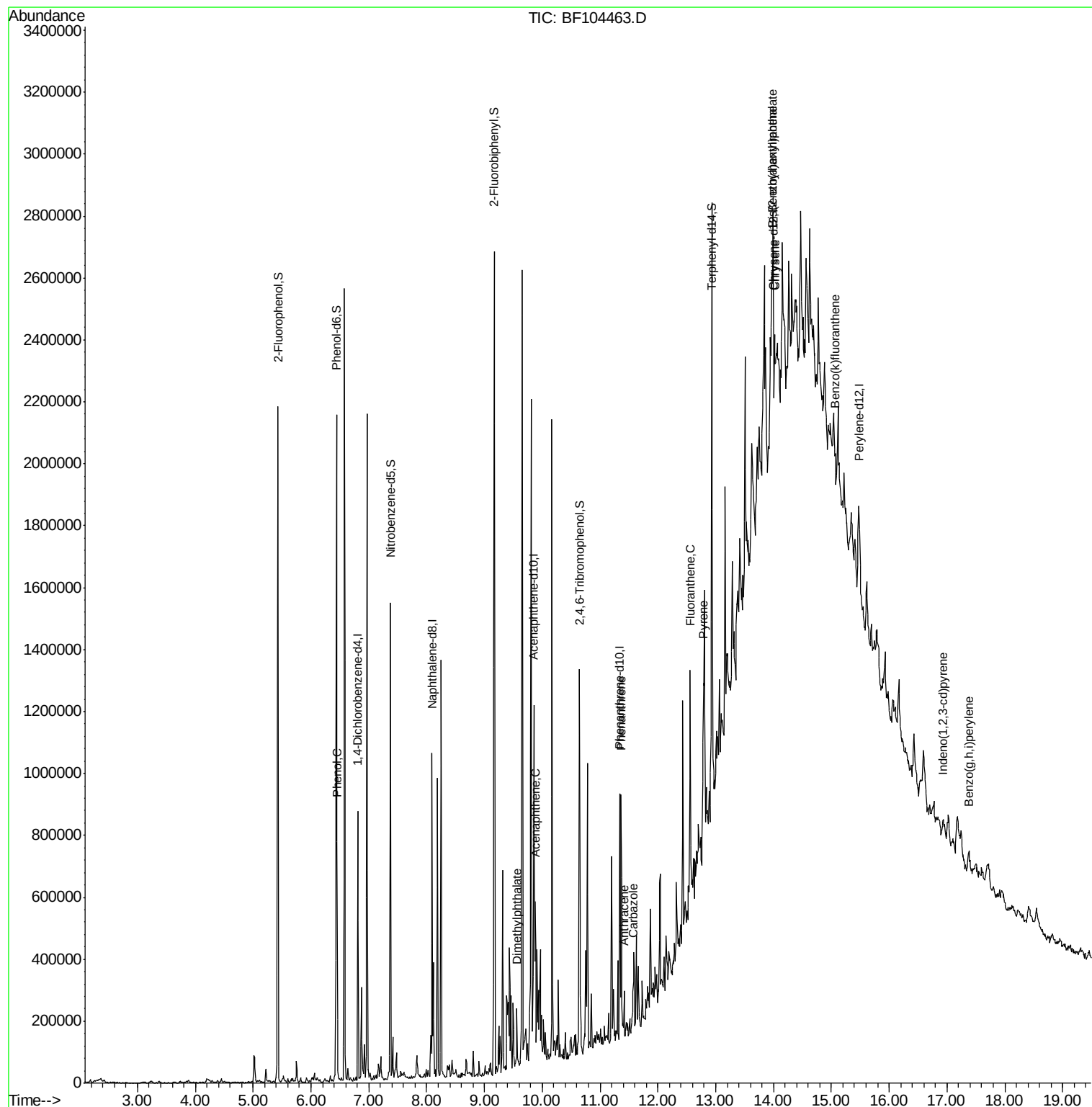
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
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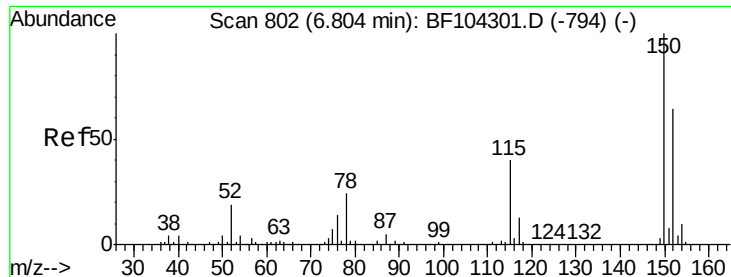
Instrument :
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DRUM-1

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#1

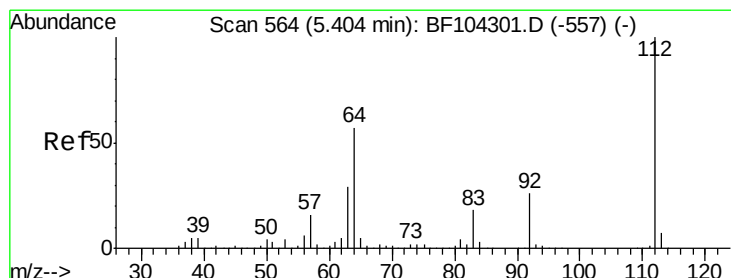
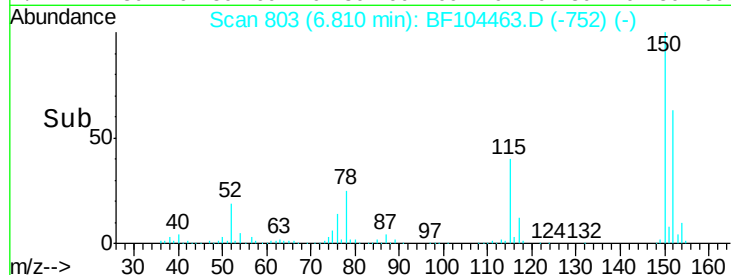
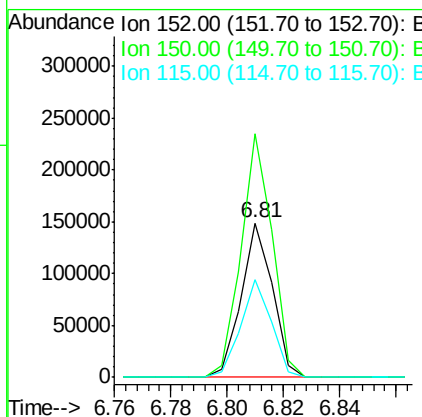
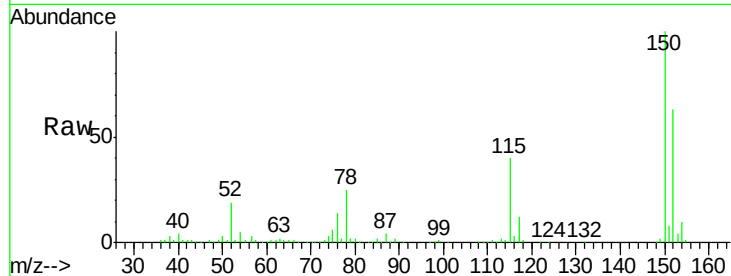
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.00 min
Lab File: BF104463.D
Acq: 12 Apr 2018 20:43

Instrument :
BNA_F
ClientSampled :
DRUM-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.6	186.8
115	63.4	50.1	75.1

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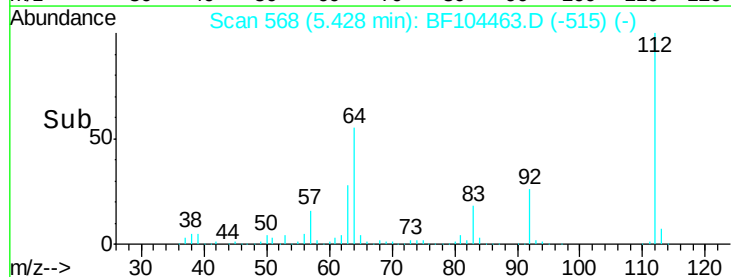
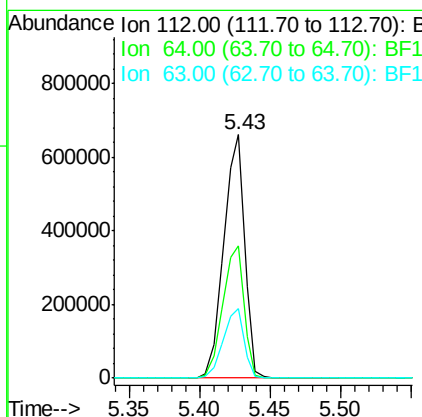
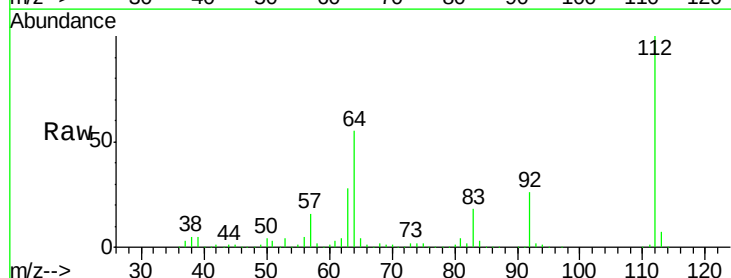
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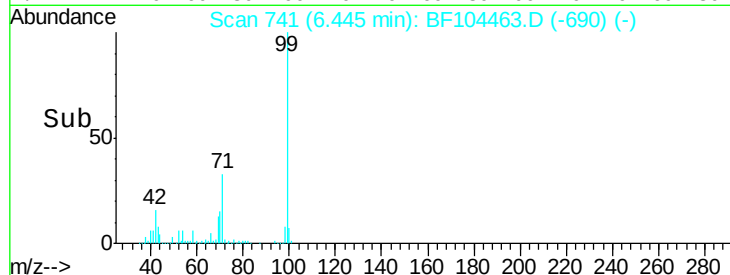
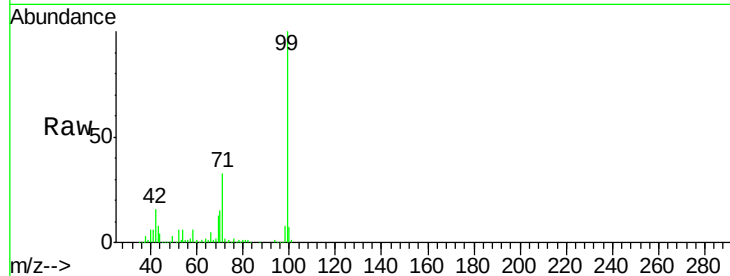
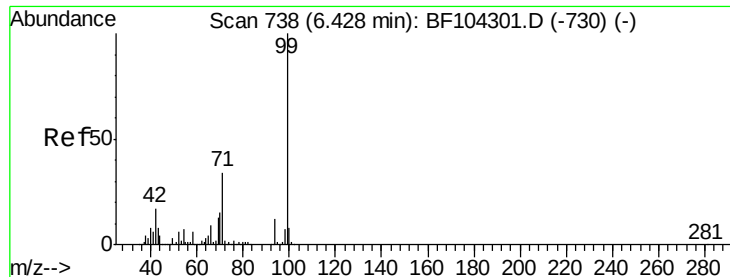


#5

2-Fluorophenol
Concen: 90.570 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104463.D
Acq: 12 Apr 2018 20:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	47.9	71.9
63	28.4	23.7	35.5





#7

Phenol-d6

Concen: 87.312 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104463.D

Acq: 12 Apr 2018 20:43

Tot Ion:	99	Resp:	804904
Ion	Ratio	Lower	Upper
99	100		
42	15.7	14.5	21.7
71	33.5	25.4	38.0

Instrument :

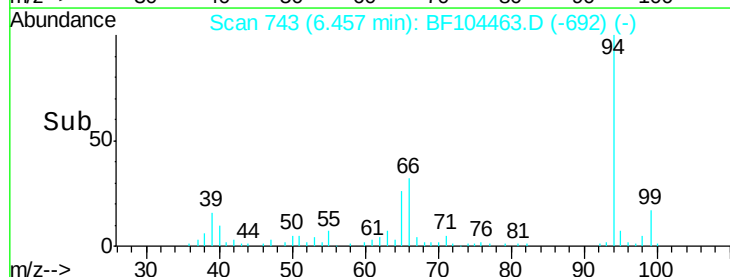
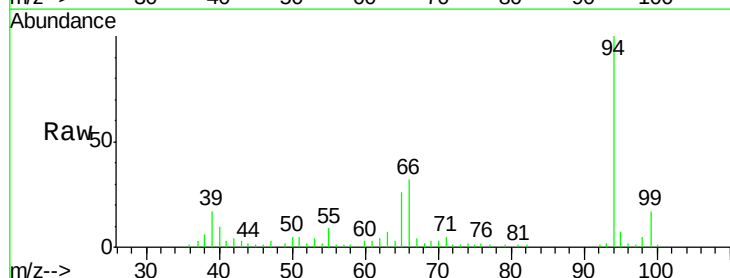
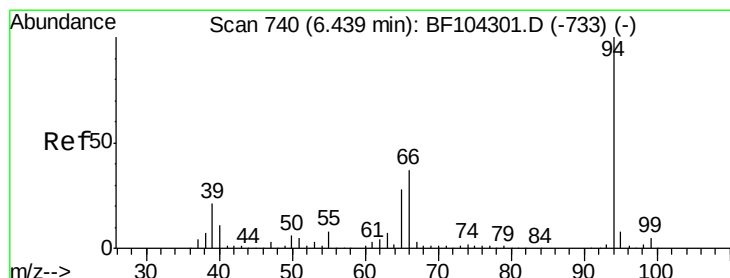
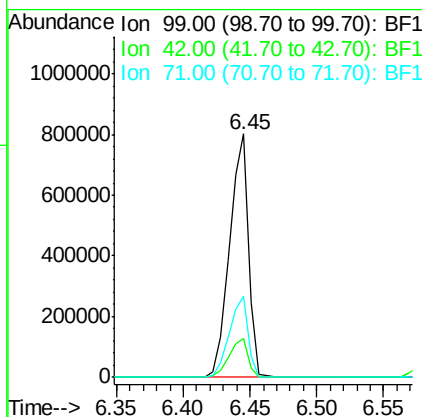
BNA_F

ClientSampled :

DRUM-1

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#10

Phenol

Concen: 4.672 ng

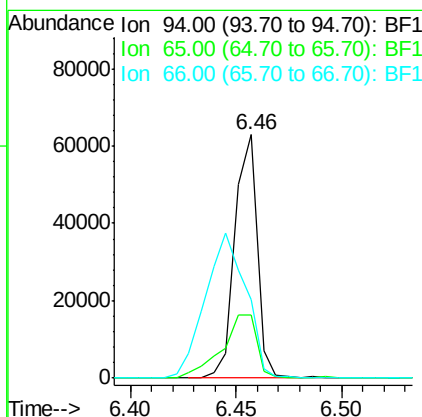
RT: 6.46 min Scan# 743

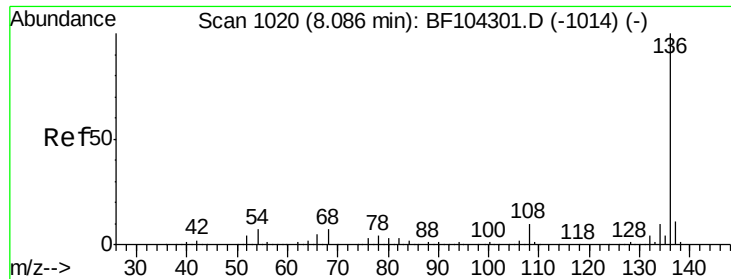
Delta R.T. 0.00 min

Lab File: BF104463.D

Acq: 12 Apr 2018 20:43

Tgt Ion:	94	Resp:	45695
Ion	Ratio	Lower	Upper
94	100		
65	26.0	7.9	47.9
66	32.1	16.2	56.2





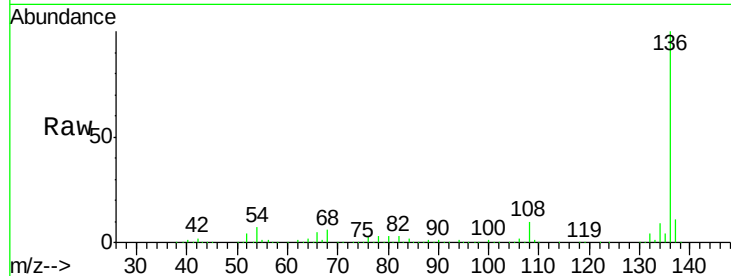
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF104463.D
Acq: 12 Apr 2018 20:43

Instrument :
BNA_F
ClientSampleId :
DRUM-1

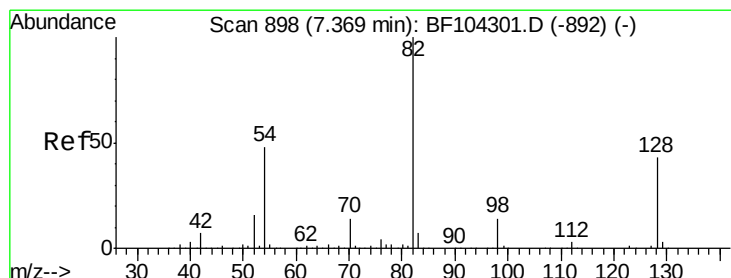
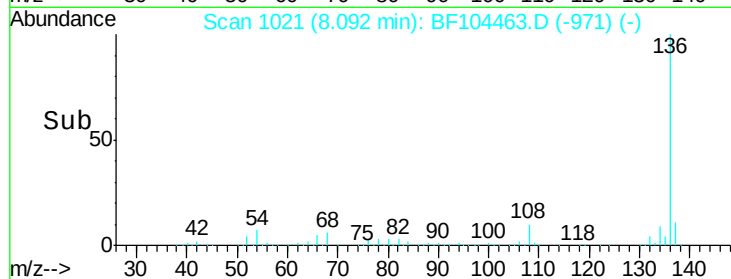
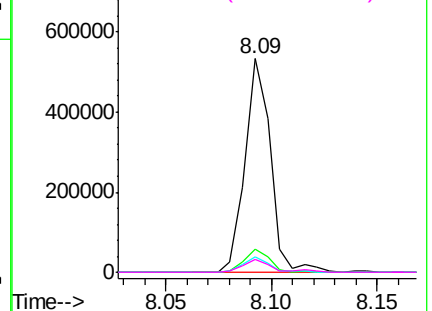
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		443678		
137	10.9		8.9	13.3	
54	7.0		6.6	9.8	
68	6.1		5.0	7.4	

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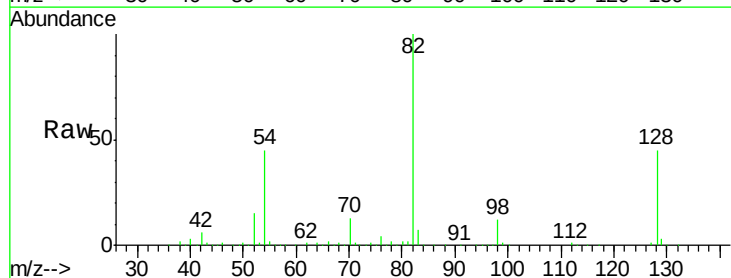


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

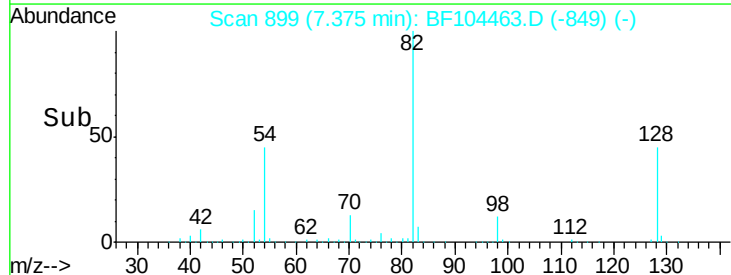
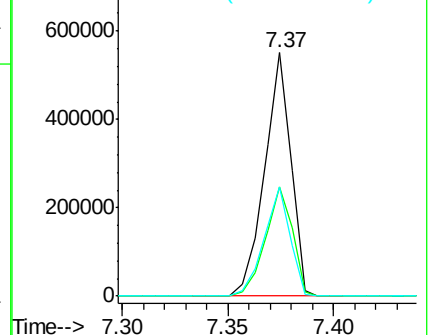


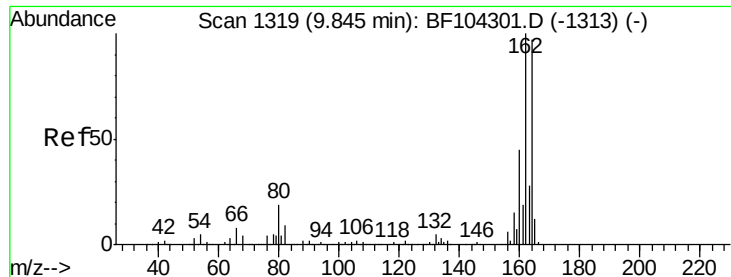
#23
Nitrobenzene-d5
Concen: 70.435 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104463.D
Acq: 12 Apr 2018 20:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		478584		
128	44.6		36.1	54.1	
54	44.7		41.4	62.2	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.00 min

Lab File: BF104463.D

Acq: 12 Apr 2018 20:43

Instrument :

BNA_F

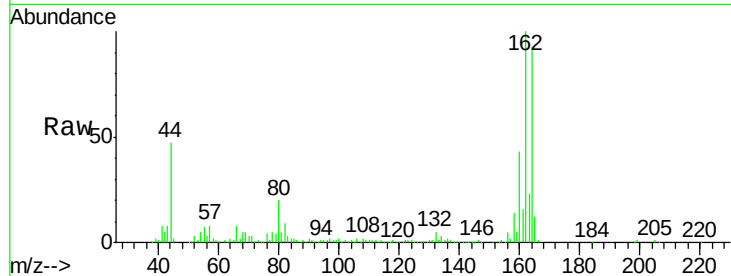
ClientSampled :

DRUM-1

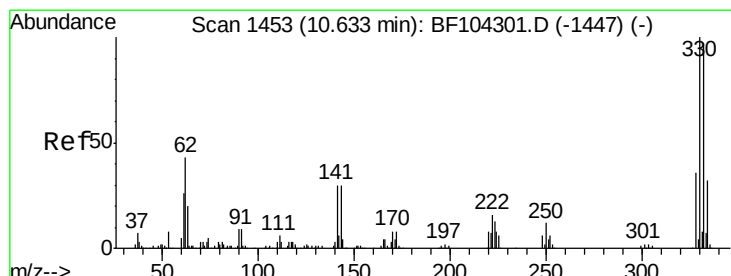
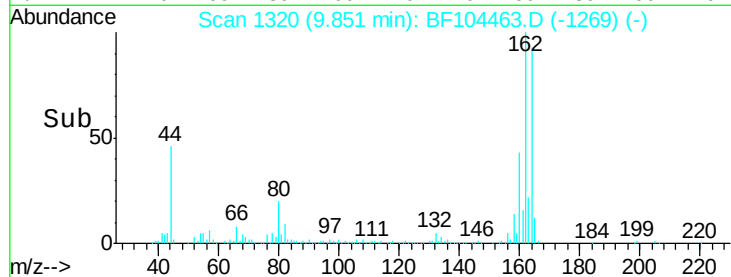
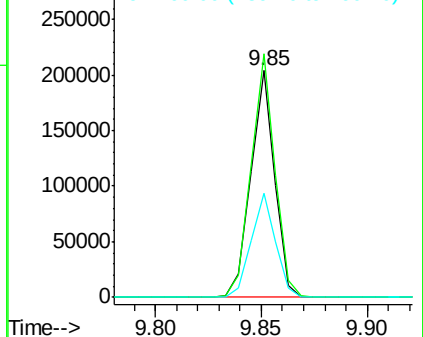
Tot Ion:	164	Resp:	159686
Ion Ratio	Lower	Upper	
164	100		
162	107.5	86.1	129.1
160	46.0	38.3	57.5

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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 88.817 ng

RT: 10.65 min Scan# 1455

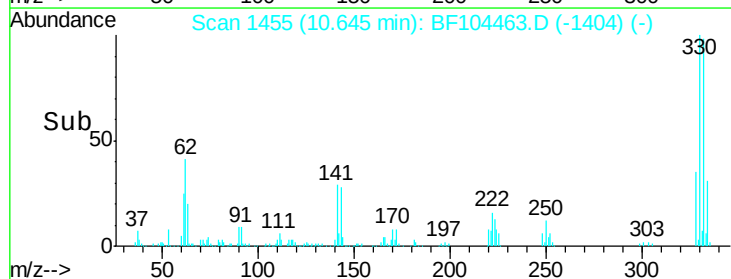
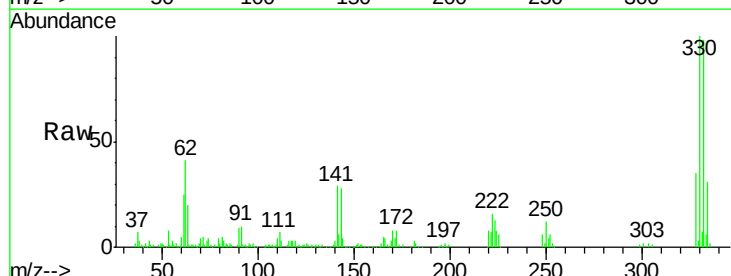
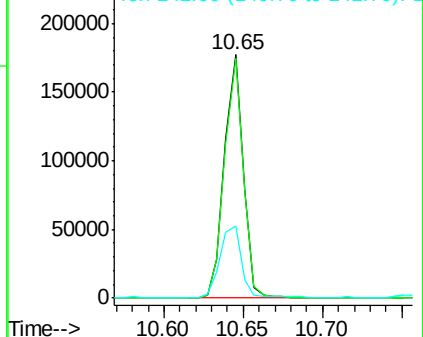
Delta R.T. 0.00 min

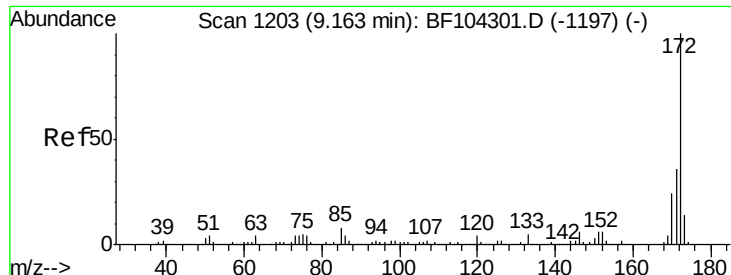
Lab File: BF104463.D

Acq: 12 Apr 2018 20:43

Tgt Ion:	330	Resp:	147122
Ion Ratio	Lower	Upper	
330	100		
332	98.1	77.0	115.6
141	33.1	29.9	44.9

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





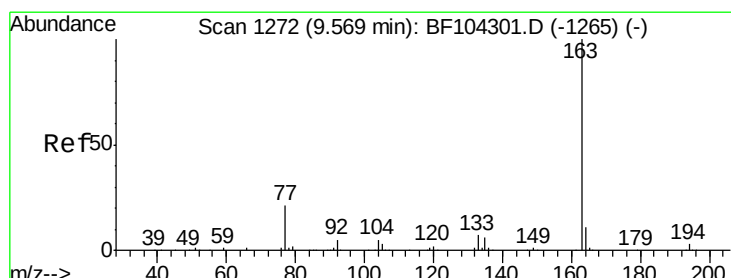
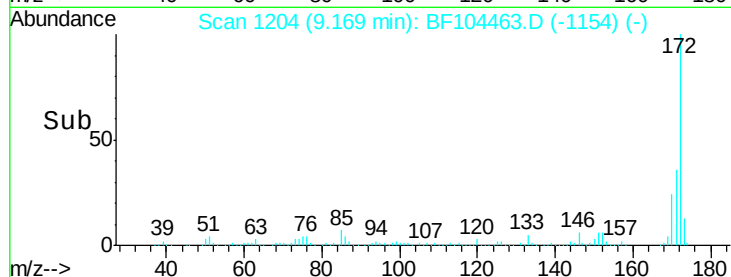
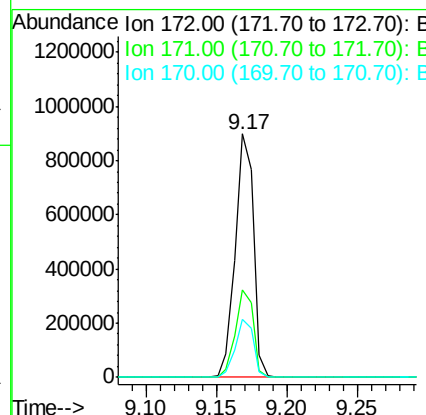
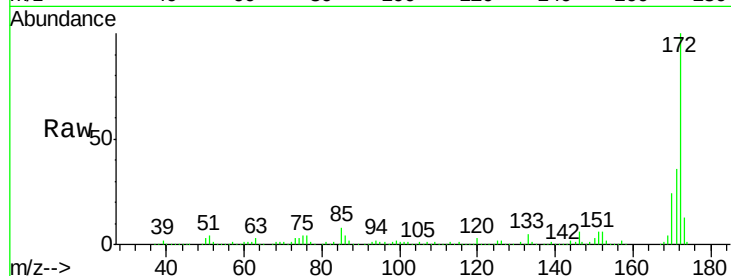
#44
2-Fluorobiphenyl
Concen: 79.710 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF104463.D
Acq: 12 Apr 2018 20:43

Instrument :
BNA_F
ClientSampleId :
DRUM-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.8	19.6	29.4

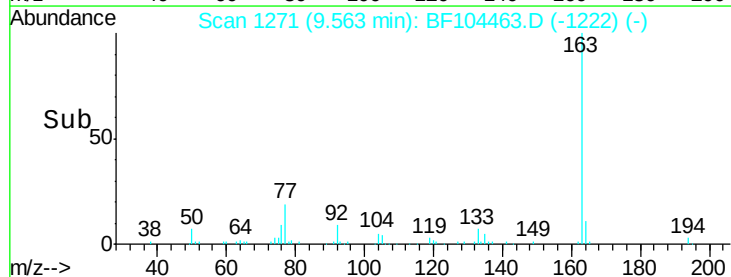
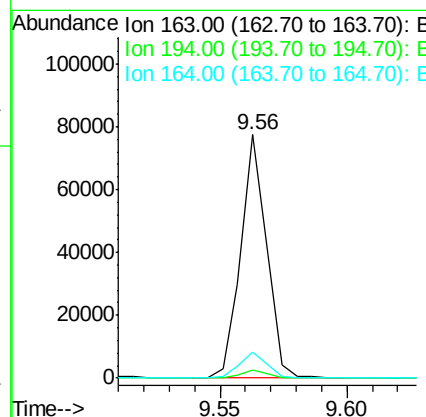
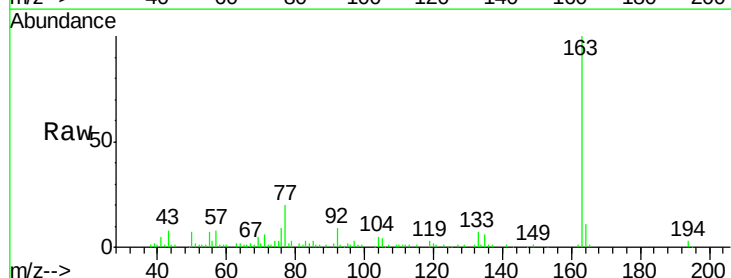
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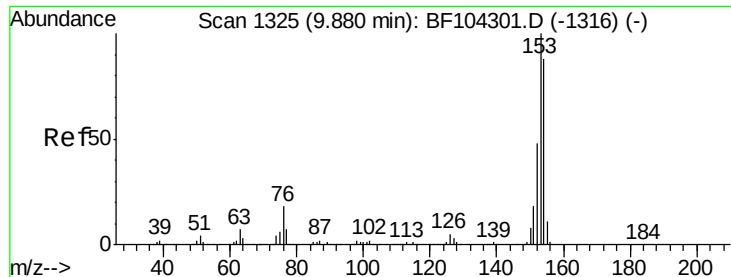
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#49
Dimethylphthalate
Concen: 4.335 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104463.D
Acq: 12 Apr 2018 20:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.5	8.2	12.2





#51

Acenaphthene

Concen: 2.592 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF104463.D

Acq: 12 Apr 2018 20:43

Instrument :

BNA_F

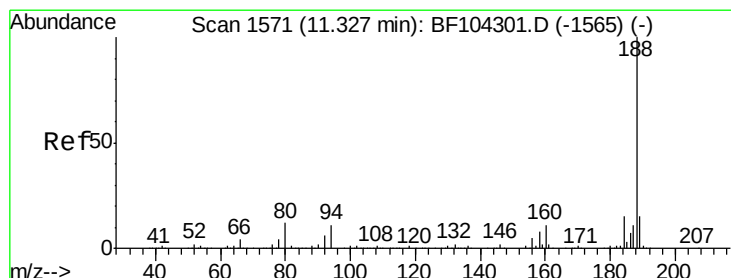
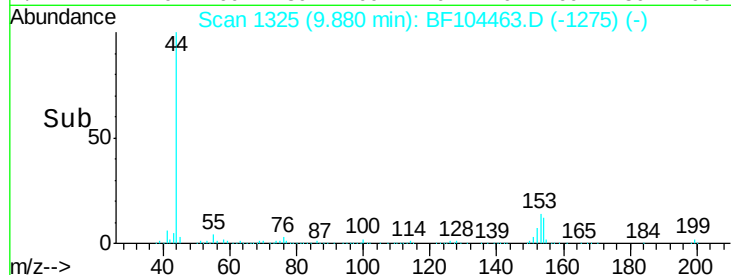
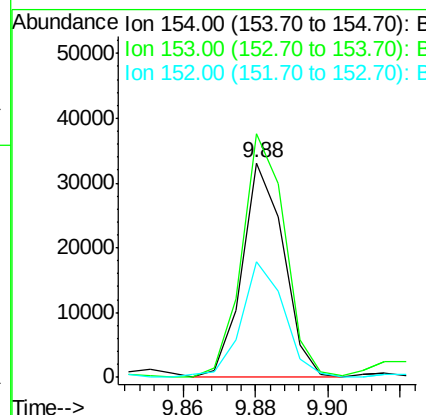
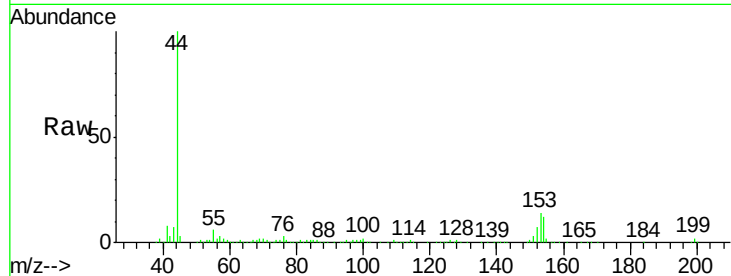
ClientSampled :

DRUM-1

Tot Ion:	154	Resp:	26295
Ion Ratio	Lower	Upper	
154	100		
153	113.5	91.2	136.8
152	53.8	43.8	65.8

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

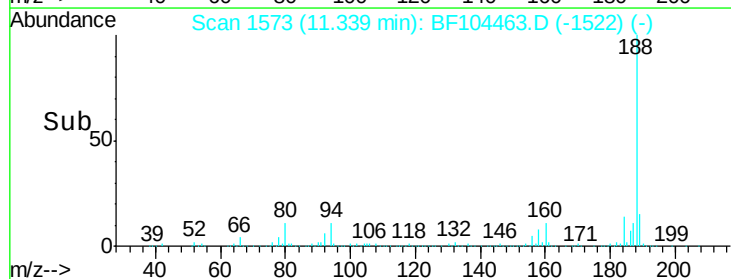
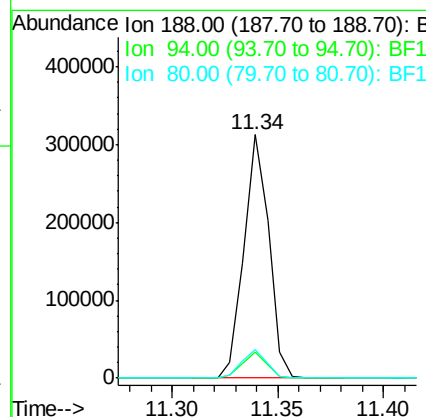
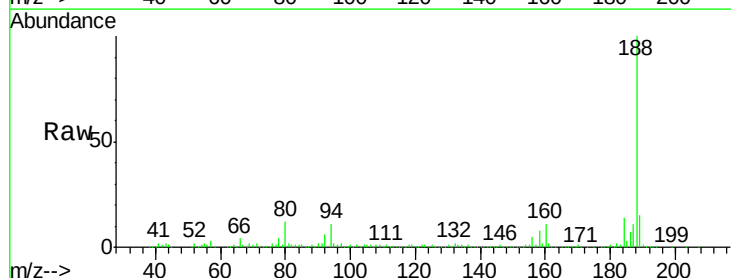
RT: 11.34 min Scan# 1573

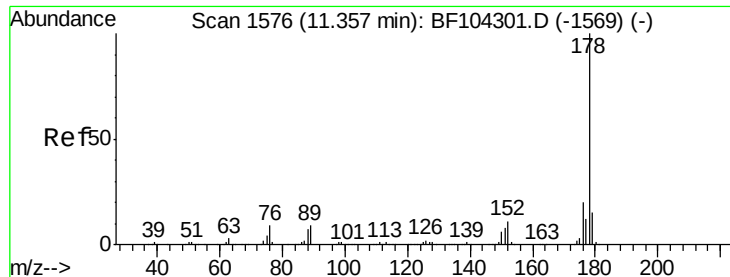
Delta R.T. 0.00 min

Lab File: BF104463.D

Acq: 12 Apr 2018 20:43

Tgt Ion:	188	Resp:	254442
Ion Ratio	Lower	Upper	
188	100		
94	10.8	8.5	12.7
80	11.6	9.2	13.8





#70

Phenanthrene

Concen: 18.324 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF104463.D

Acq: 12 Apr 2018 20:43

Instrument :

BNA_F

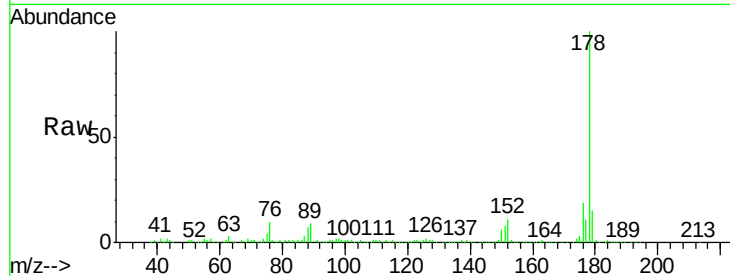
ClientSampleId :

DRUM-1

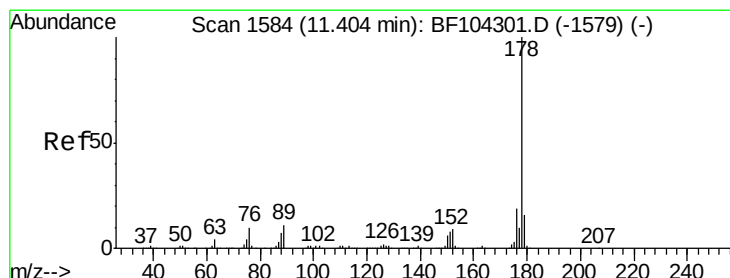
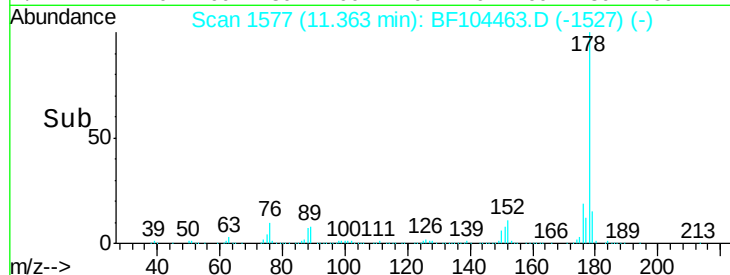
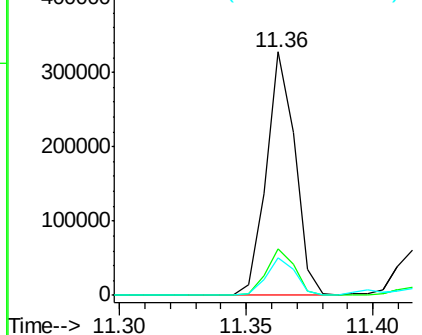
Tot Ion:178	Resp:	259639
Ion Ratio	Lower	Upper
178	100	
176	19.1	15.8 23.8
179	15.4	13.0 19.6

Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 3.342 ng

RT: 11.42 min Scan# 1586

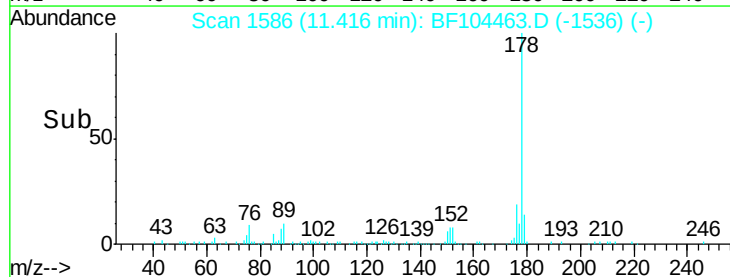
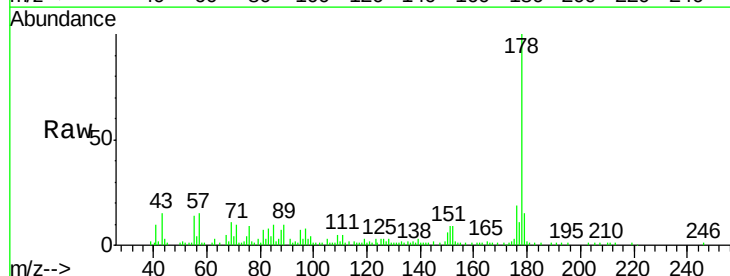
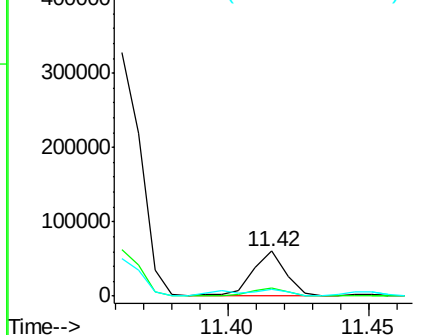
Delta R.T. -0.01 min

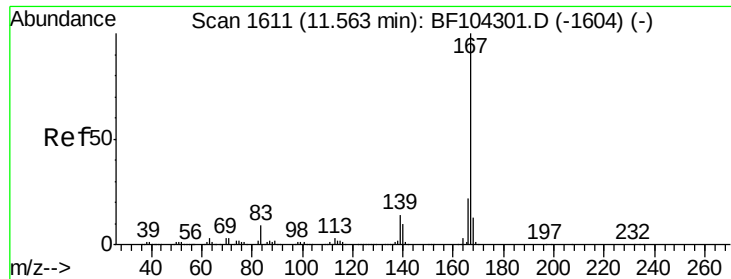
Lab File: BF104463.D

Acq: 12 Apr 2018 20:43

Tgt Ion:178	Resp:	48130
Ion Ratio	Lower	Upper
178	100	
176	18.7	15.4 23.2
179	15.0	12.6 19.0

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.756 ng

RT: 11.57 min Scan# 1613

Delta R.T. 0.00 min

Lab File: BF104463.D

Acq: 12 Apr 2018 20:43

Instrument :

BNA_F

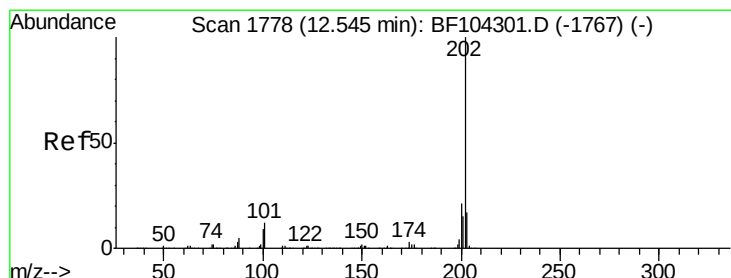
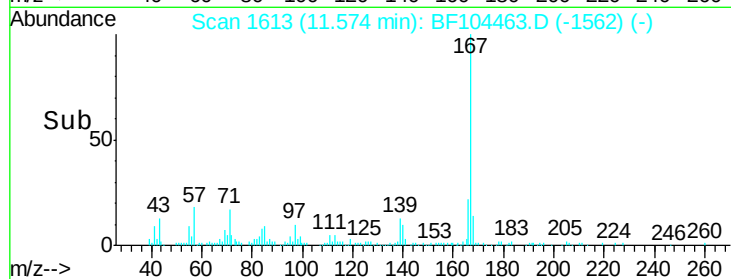
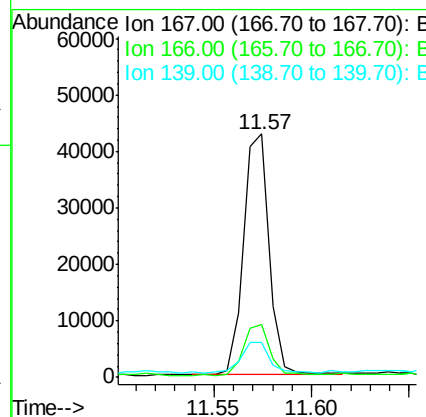
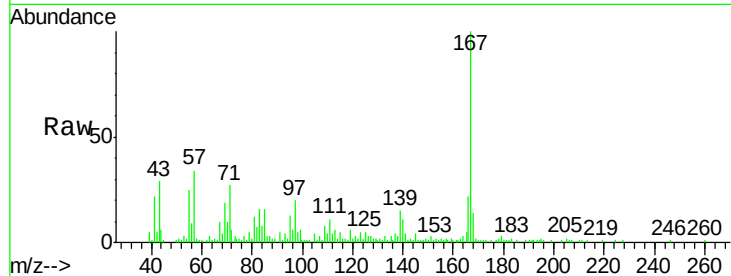
ClientSampled :

DRUM-1

Tot Ion:	167	Resp:	38796
Ion Ratio	Lower	Upper	
167	100		
166	21.9	17.6	26.4
139	14.5	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 19.189 ng

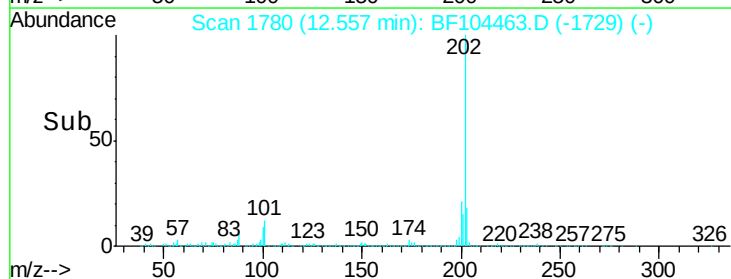
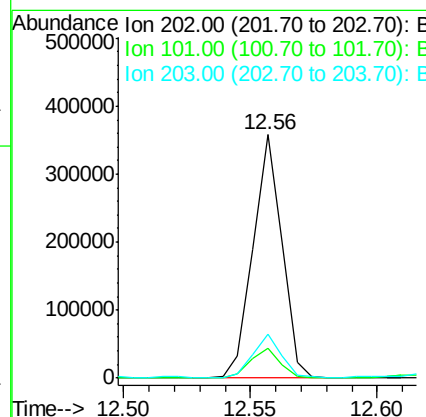
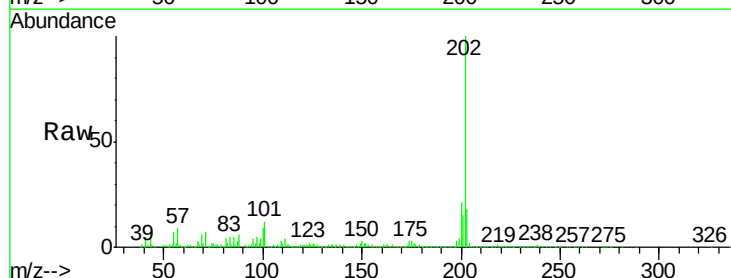
RT: 12.56 min Scan# 1780

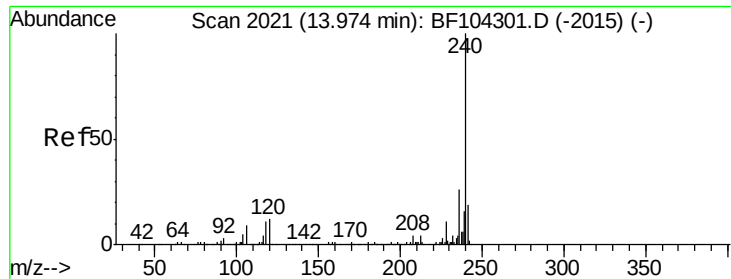
Delta R.T. 0.00 min

Lab File: BF104463.D

Acq: 12 Apr 2018 20:43

Tgt Ion:	202	Resp:	284081
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	34.1
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BF104463.D

Acq: 12 Apr 2018 20:43

Instrument :

BNA_F

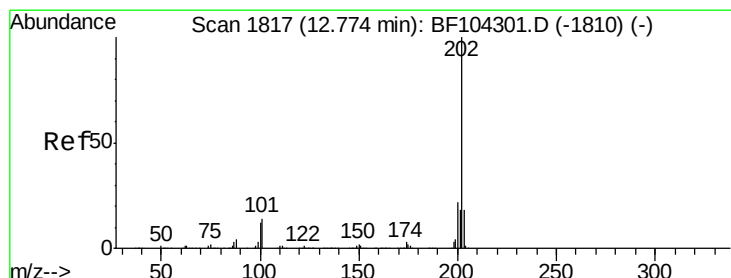
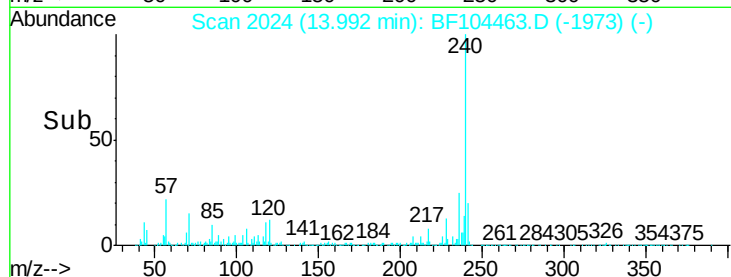
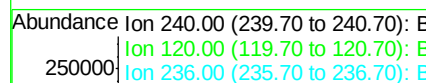
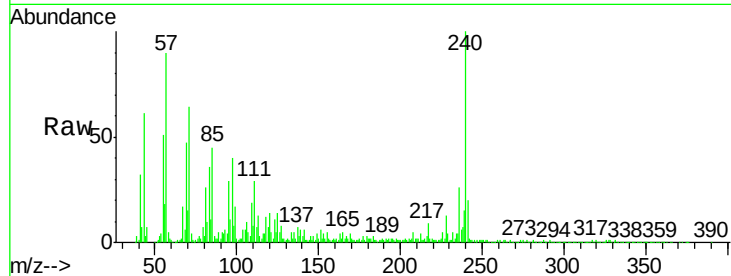
ClientSampleId :

DRUM-1

Tot Ion:	240	Resp:	171464
Ion Ratio	Lower	Upper	
240	100		
120	14.1	9.5	14.3
236	26.0	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 16.872 ng

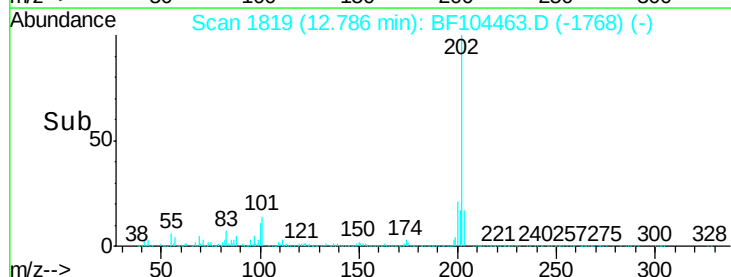
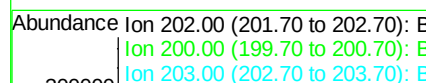
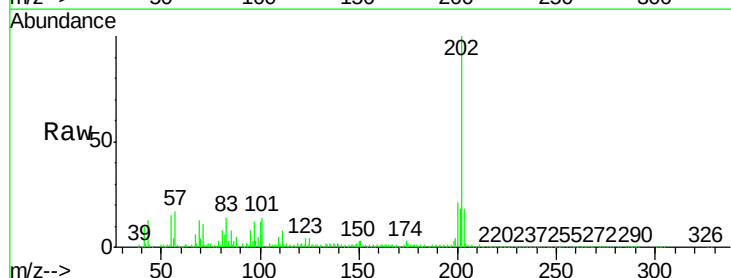
RT: 12.79 min Scan# 1819

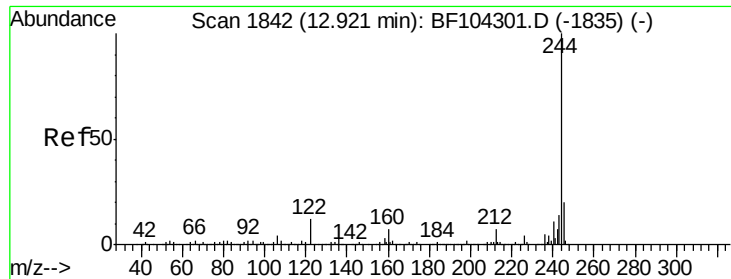
Delta R.T. 0.00 min

Lab File: BF104463.D

Acq: 12 Apr 2018 20:43

Tgt Ion:	202	Resp:	214440
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	17.9	14.3	21.5





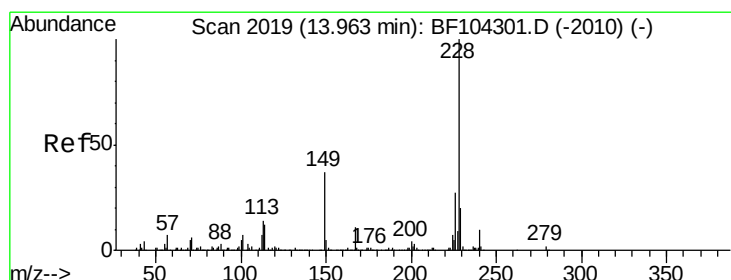
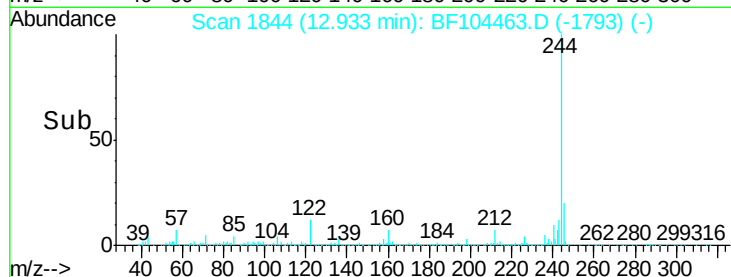
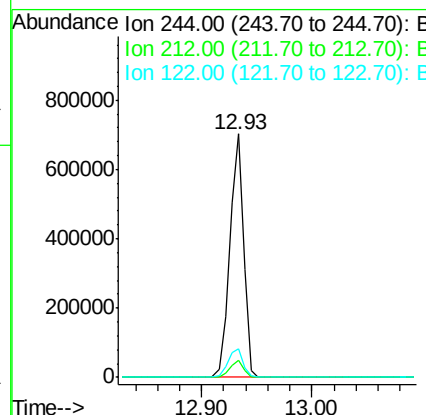
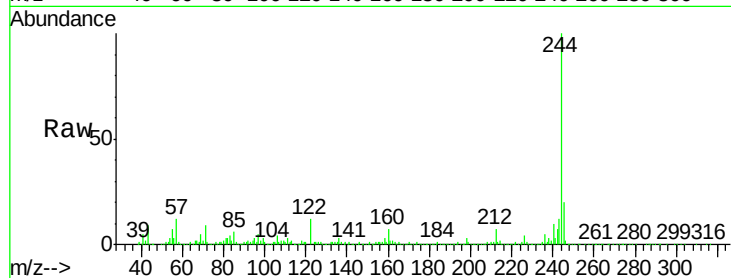
#78
 Terphenyl-d14
 Concen: 82.130 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: BF104463.D
 Acq: 12 Apr 2018 20:43

Instrument :
 BNA_F
 ClientSampled :
 DRUM-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.9	11.0	16.4

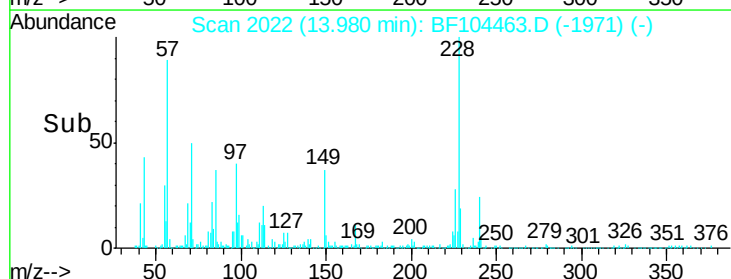
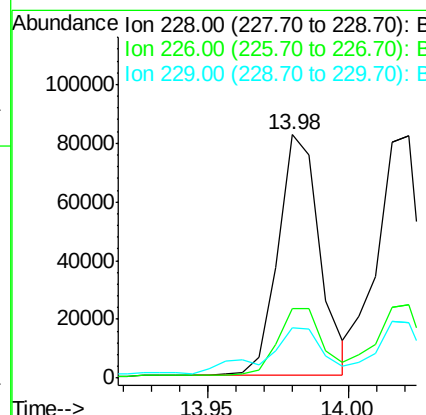
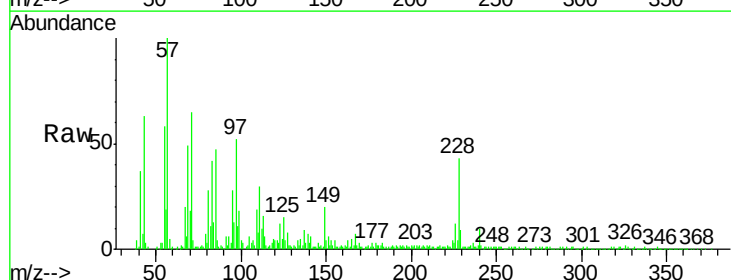
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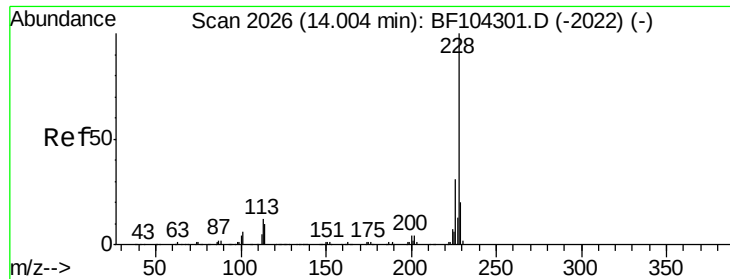
Sohil
 4/13/2018 4:43:47 PM



#80
 Benzo(a)anthracene
 Concen: 8.223 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. 0.00 min
 Lab File: BF104463.D
 Acq: 12 Apr 2018 20:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	20.7	15.8	23.6





#82

Chrysene

Concen: 8.242 ng

RT: 14.02 min Scan# 2029

Delta R.T. 0.00 min

Lab File: BF104463.D

Acq: 12 Apr 2018 20:43

Instrument :

BNA_F

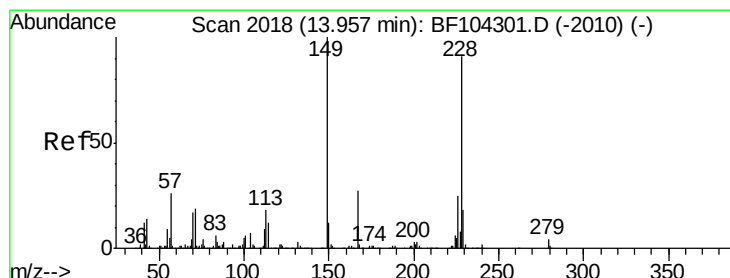
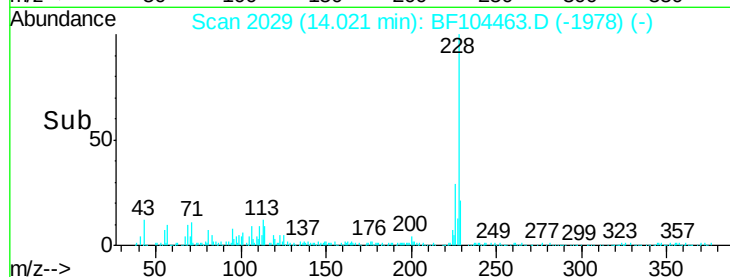
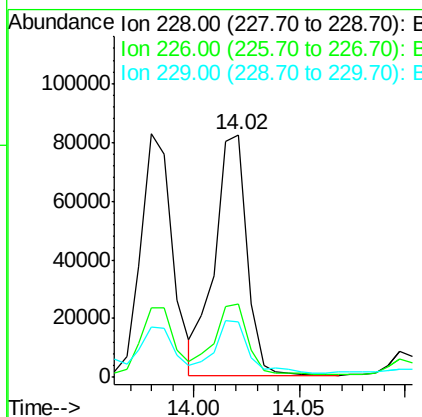
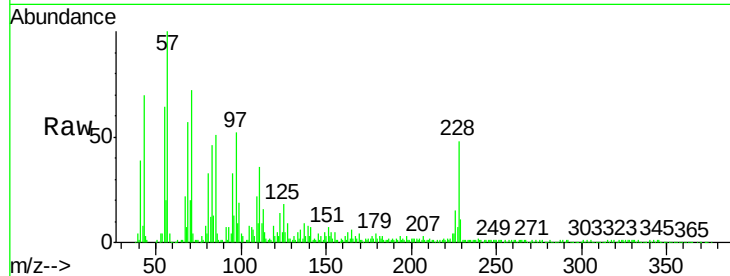
ClientSampled :

DRUM-1

Tot Ion:	228	Resp:	86716
Ion Ratio	Lower	Upper	
228	100		
226	30.3	25.0	37.6
229	22.6	16.2	24.4

Manual Integrations
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#83

Bis(2-ethylhexyl)phthalate

Concen: 17.355 ng

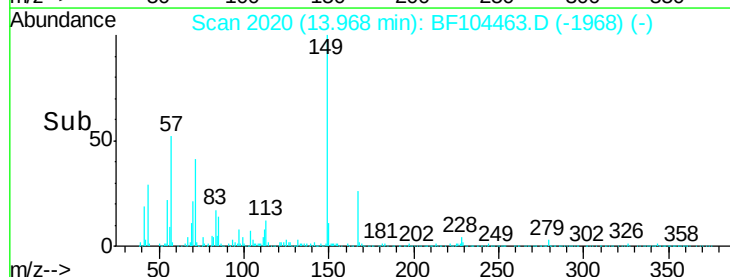
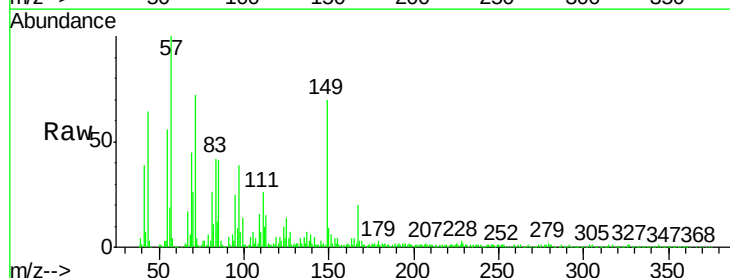
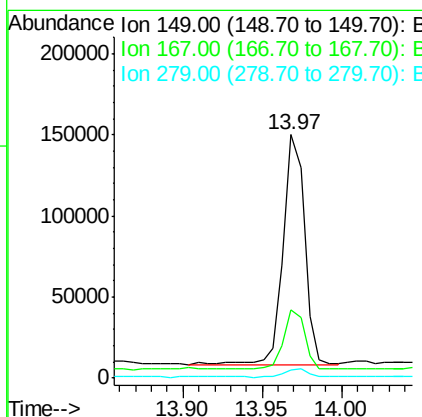
RT: 13.97 min Scan# 2020

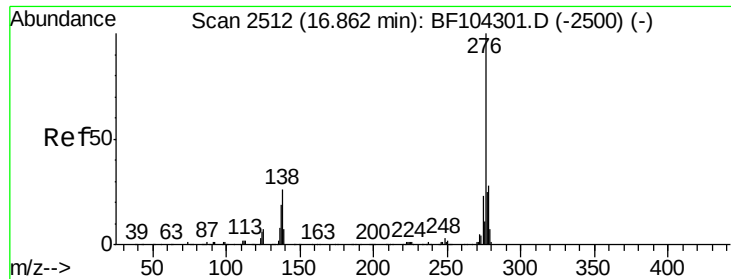
Delta R.T. 0.01 min

Lab File: BF104463.D

Acq: 12 Apr 2018 20:43

Tgt Ion:	149	Resp:	133660
Ion Ratio	Lower	Upper	
149	100		
167	27.9	21.3	31.9
279	3.5	3.0	4.4





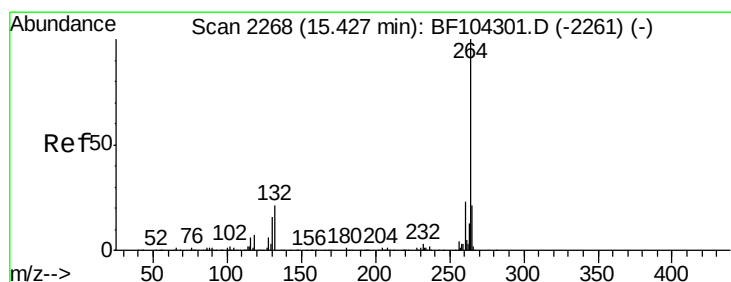
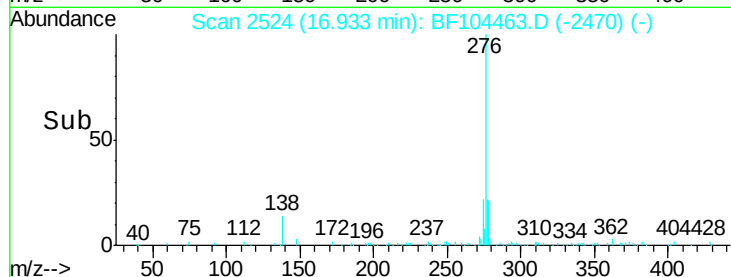
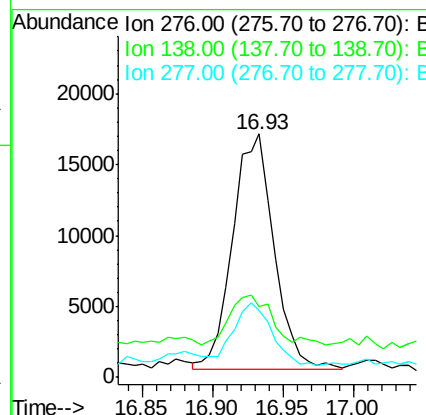
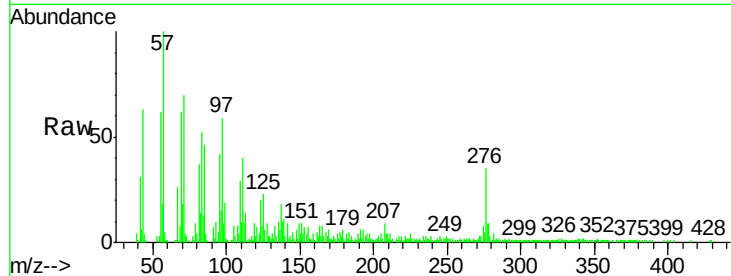
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.810 ng
RT: 16.93 min Scan# 2524
Delta R.T. 0.02 min
Lab File: BF104463.D
Acq: 12 Apr 2018 20:43

Instrument :
BNA_F
ClientSampleId :
DRUM-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.0	25.0	37.6#
277	24.8	20.1	30.1

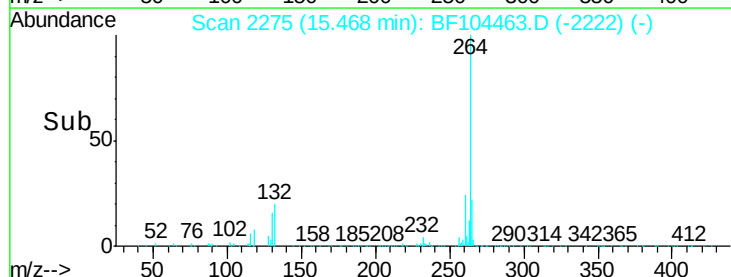
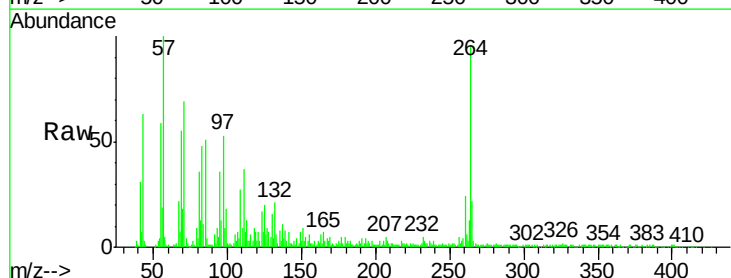
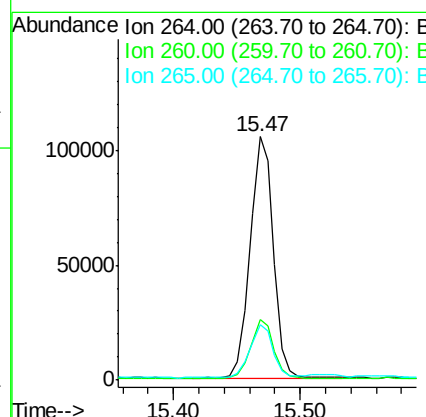
Manual Integrations
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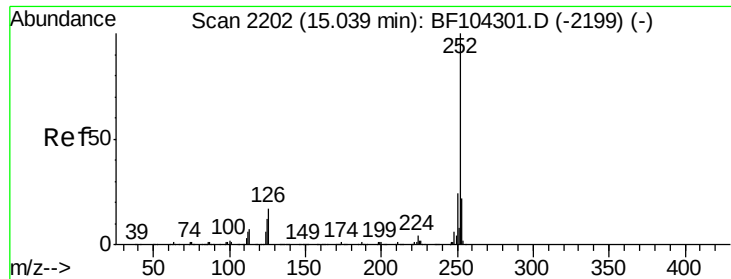
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF104463.D
Acq: 12 Apr 2018 20:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	23.0	17.5	26.3





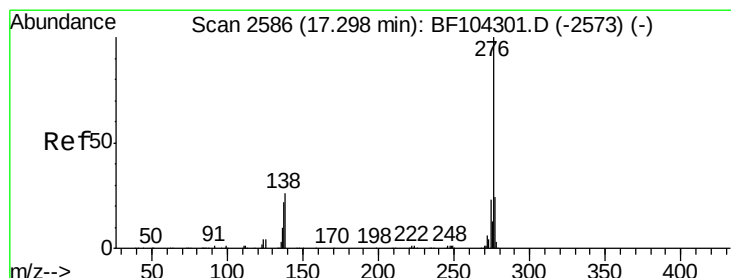
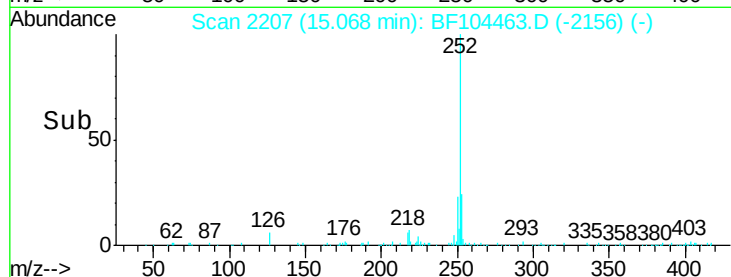
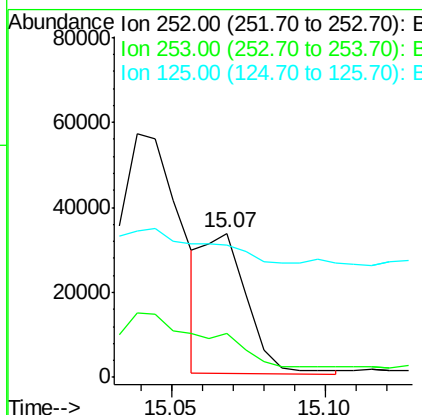
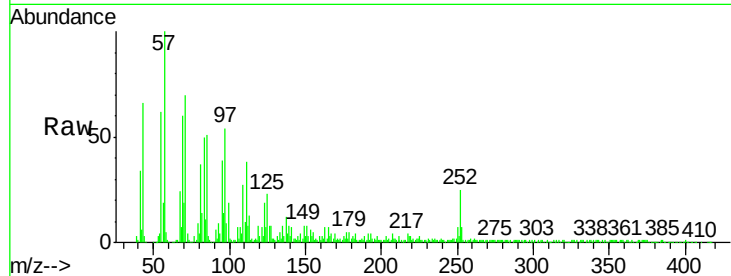
#88
Benzo(k)fluoranthene
Concen: 4.008 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BF104463.D
Acq: 12 Apr 2018 20:43

Instrument :
BNA_F
ClientSampled :
DRUM-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.2	17.9	26.9#
125	91.9	10.2	15.2#

Manual Integrations
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4/13/2018 4:43:47 PM



#91
Benzo(g,h,i)perylene
Concen: 4.889 ng
RT: 17.37 min Scan# 2599
Delta R.T. 0.01 min
Lab File: BF104463.D
Acq: 12 Apr 2018 20:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.8	17.9	26.9#
138	36.8	21.8	32.8#

