

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104858.D
 Acq On : 27 Apr 2018 3:24
 Operator : JU/SJ
 Sample : J2520-14
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5 0.0-0.5

Manual Integrations
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 4/27/2018 6:59:13 PM

Quant Time: Apr 27 12:58:13 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	110488	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	425242	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	155711	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	243970	20.00	ng	0.00
75) Chrysene-d12	13.98	240	232199	20.00	ng	0.00
86) Perylene-d12	15.44	264	172940	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	524028	72.52	ng	0.00
7) Phenol-d6	6.44	99	620874	69.93	ng	0.00
23) Nitrobenzene-d5	7.36	82	390082	59.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	108672	67.28	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	611160	62.00	ng	0.00
78) Terphenyl-d14	12.92	244	479462	47.08	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.55	163	62245	5.069	ng	99
51) Acenaphthene	9.87	154	34746	3.513	ng	98
54) Dibenzofuran	10.05	168	28862	2.094	ng	98
57) Fluorene	10.39	166	33478	3.337	ng	99
70) Phenanthrene	11.36	178	486839	35.832	ng	97
71) Anthracene	11.40	178	128935	9.336	ng	98
72) Carbazole	11.56	167	53027	3.929	ng	98
74) Fluoranthene	12.55	202	697432	49.131	ng	97
77) Pyrene	12.78	202	610725	35.484	ng	100
80) Benzo(a)anthracene	13.97	228	358044	25.811	ng	98
82) Chrysene	14.00	228	299581	21.025	ng	98
85) Indeno(1,2,3-cd)pyrene	16.90	276	106859m	8.828	ng	
87) Benzo(b)fluoranthene	15.02	252	326072m	29.853	ng	
88) Benzo(k)fluoranthene	15.04	252	92103m	8.932	ng	
89) Benzo(a)pyrene	15.38	252	205459	21.023	ng	98
90) Dibenzo(a,h)anthracene	16.91	278	29088m	3.624	ng	
91) Benzo(g,h,i)perylene	17.35	276	96362	12.392	ng	92

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

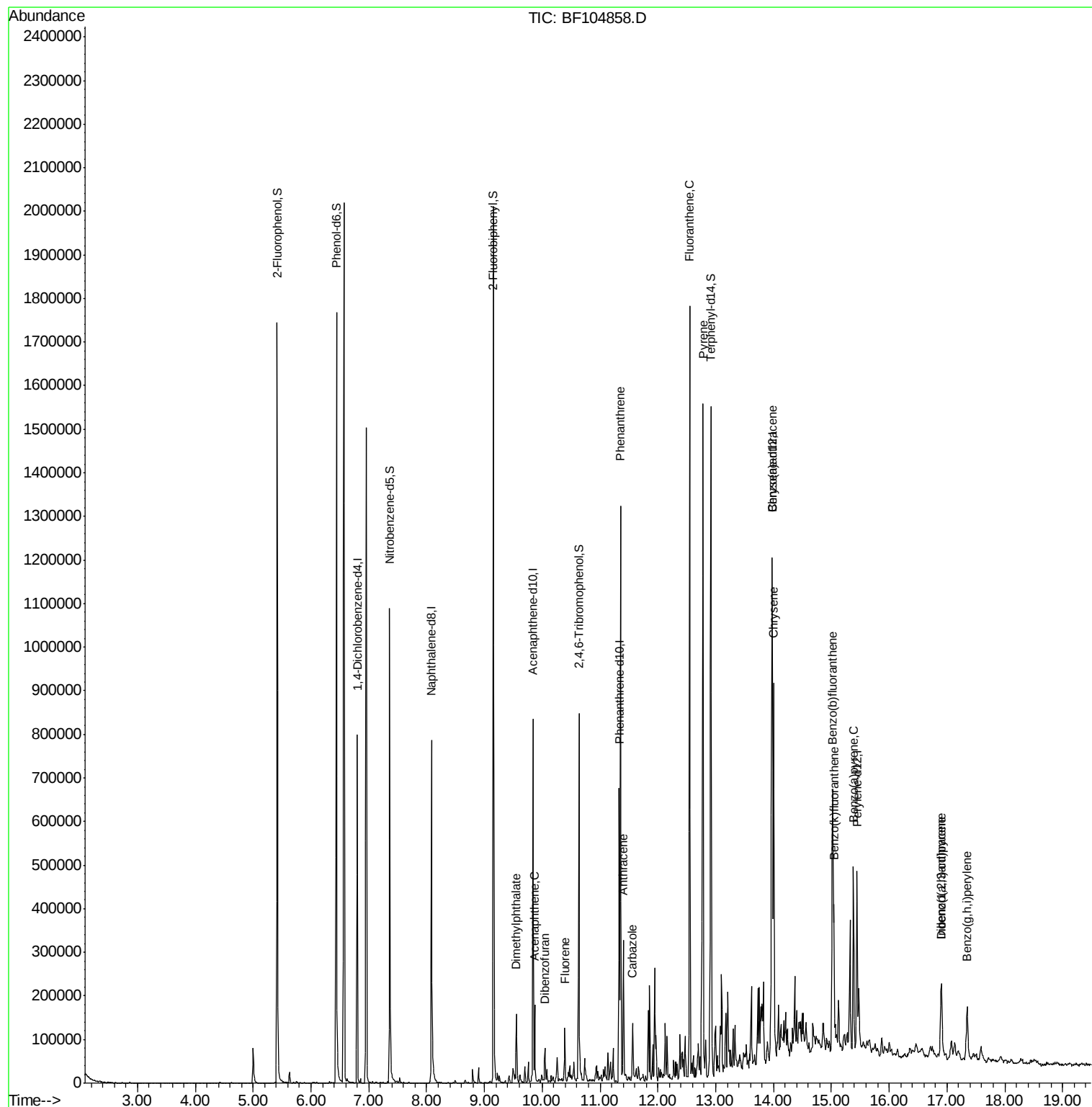
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
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ALS Vial : 27 Sample Multiplier: 1

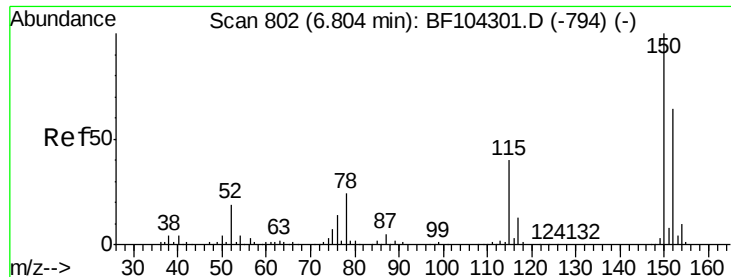
Instrument :
BNA_F
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TP-5 0.0-0.5

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

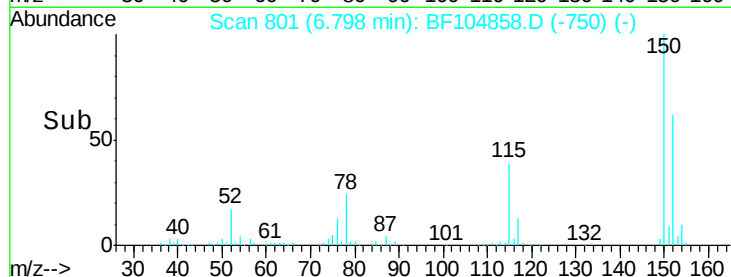
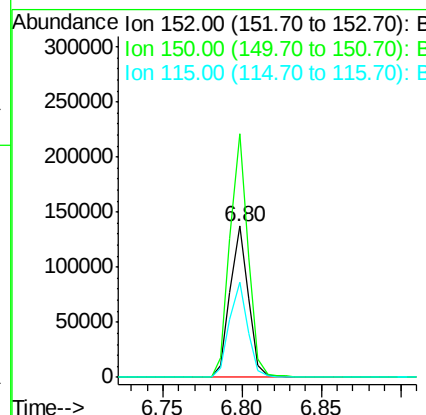
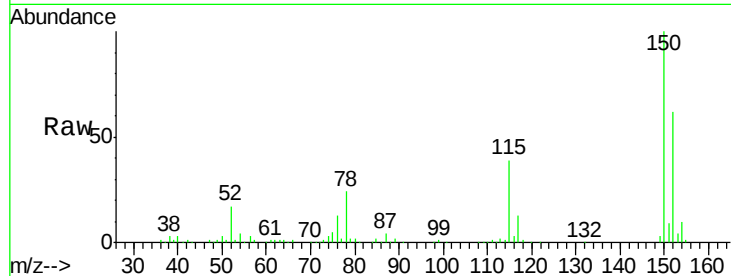
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104858.D
Acq: 27 Apr 2018 3:24

Instrument :
BNA_F
ClientSampleId :
TP-5 0.0-0.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.3	124.6	186.8
115	63.2	50.1	75.1

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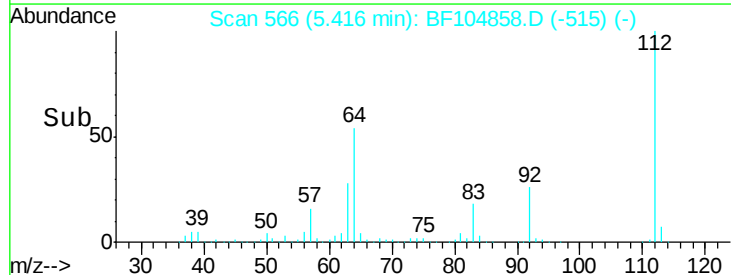
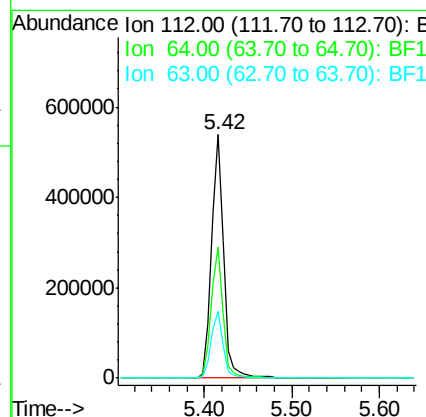
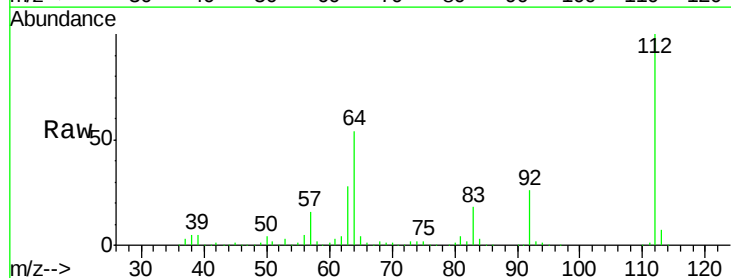
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#5

2-Fluorophenol
Concen: 72.521 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104858.D
Acq: 27 Apr 2018 3:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.8	47.9	71.9
63	27.6	23.7	35.5





#7

Phenol-d6

Concen: 69.932 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104858.D

Acq: 27 Apr 2018 3:24

Instrument :

BNA_F

ClientSampleId :

TP-5 0.0-0.5

Tot Ion: 99 Resp: 620874

Ion Ratio Lower Upper

99 100

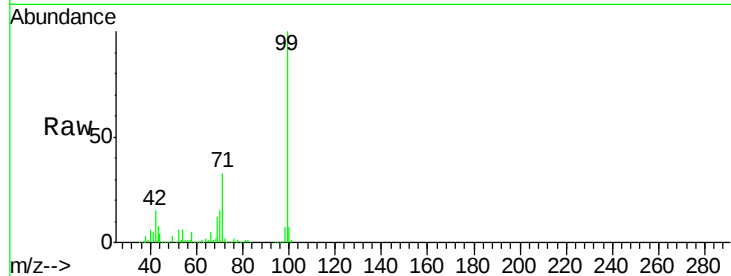
42 15.1 14.5 21.7

71 33.5 25.4 38.0

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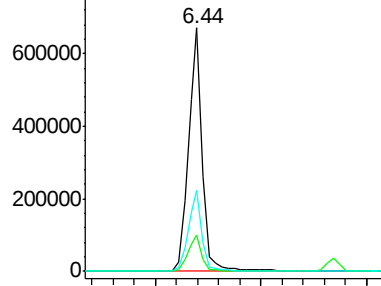
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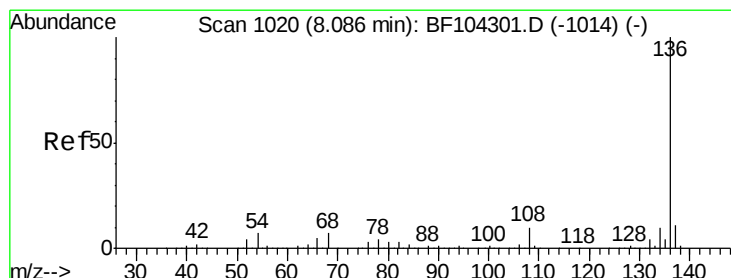
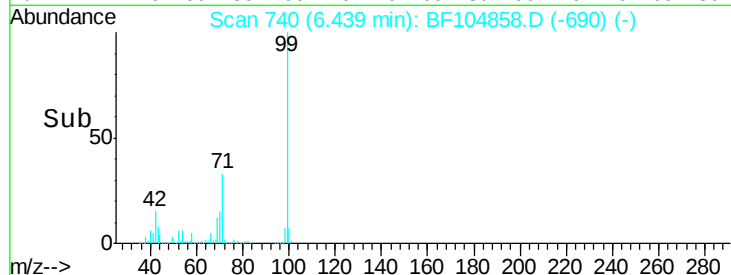
Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104858.D

Acq: 27 Apr 2018 3:24

Tgt Ion: 136 Resp: 425242

Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.7 6.6 9.8

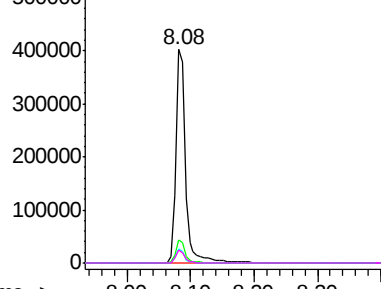
68 6.0 5.0 7.4

Abundance Ion 136.00 (135.70 to 136.70): E

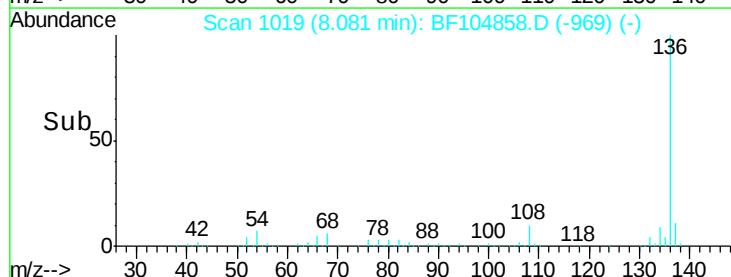
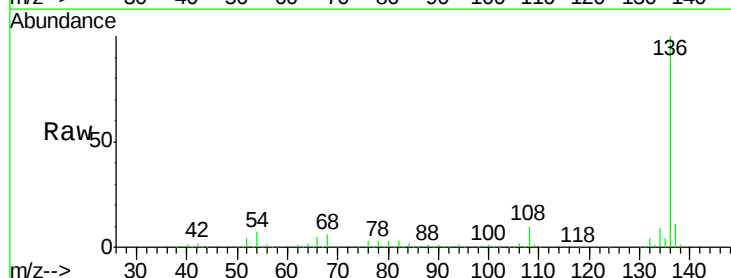
Ion 137.00 (136.70 to 137.70): E

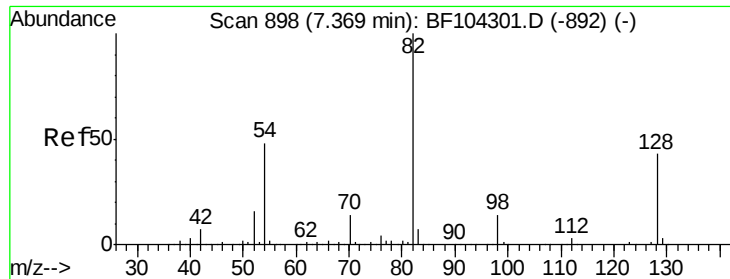
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->





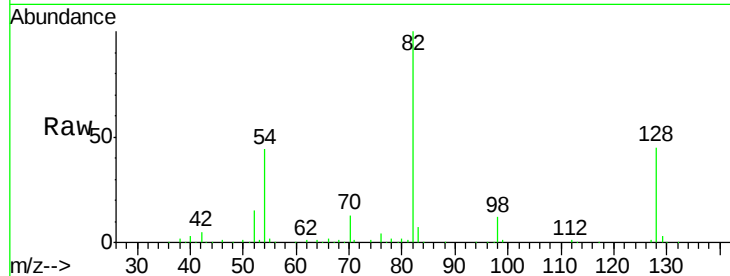
#23
 Nitrobenzene-d5
 Concen: 59.899 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF104858.D
 Acq: 27 Apr 2018 3:24

Instrument :
 BNA_F
 ClientSampled :
 TP-5 0.0-0.5

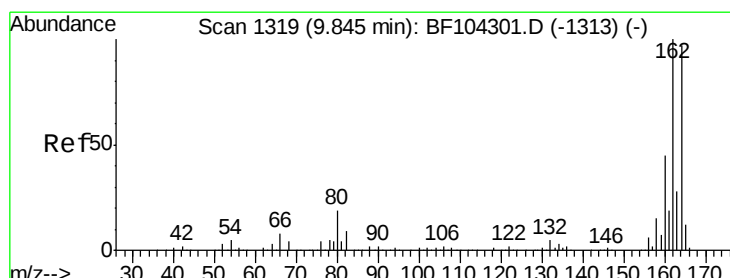
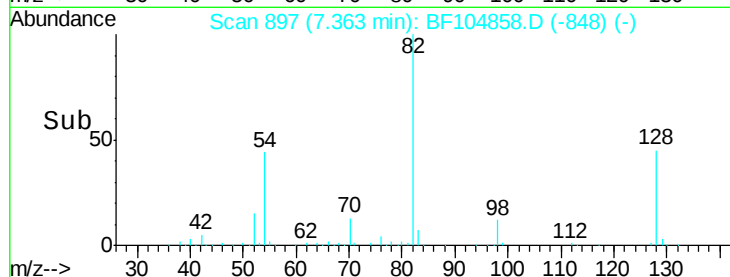
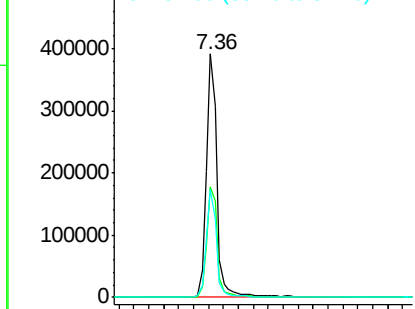
Tot Ion	82	Resp	390082
Ion Ratio	100	Lower	Upper
82	100		
128	45.4	36.1	54.1
54	44.5	41.4	62.2

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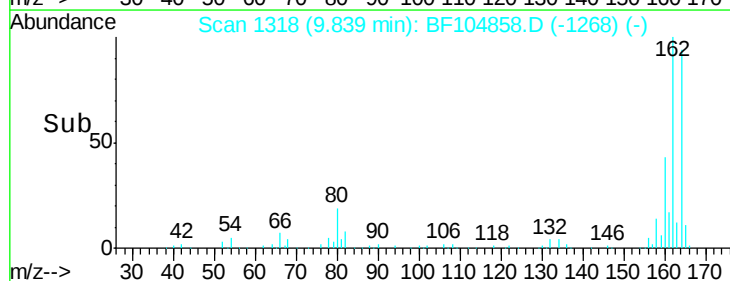
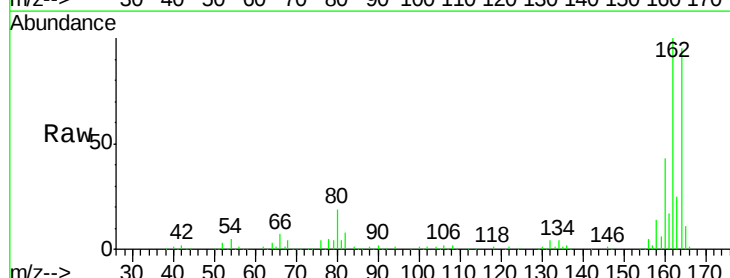
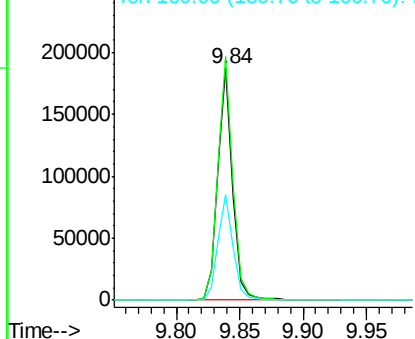
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104858.D
 Acq: 27 Apr 2018 3:24

Tgt Ion	164	Resp	155711
Ion Ratio	100	Lower	Upper
164	100		
162	105.1	86.1	129.1
160	45.3	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): BF1
 Ion 162.00 (161.70 to 162.70): BF1
 Ion 160.00 (159.70 to 160.70): BF1





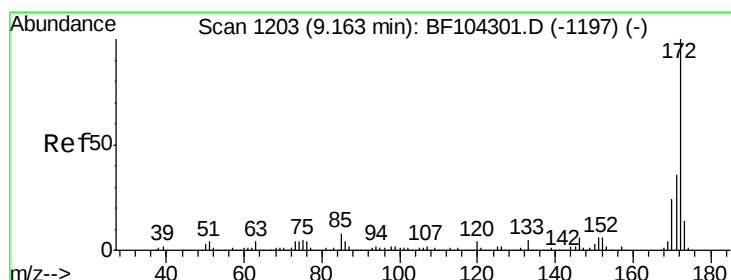
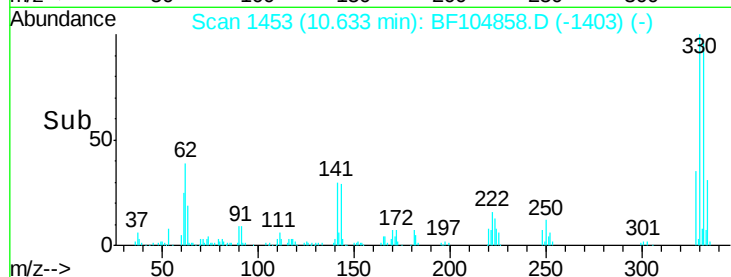
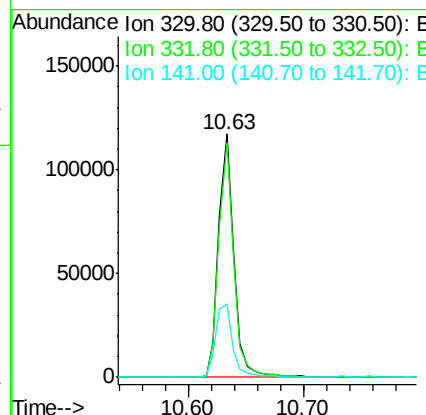
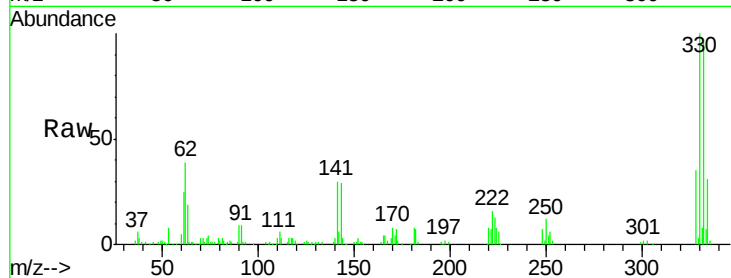
#41
 2,4,6-Tribromophenol
 Concen: 67.279 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104858.D
 Acq: 27 Apr 2018 3:24

Instrument :
 BNA_F
 ClientSampleId :
 TP-5 0.0-0.5

Tot Ion	Ratio	Resp	Lower	Upper
330	100	108672		
332	94.9	77.0	115.6	
141	33.8	29.9	44.9	

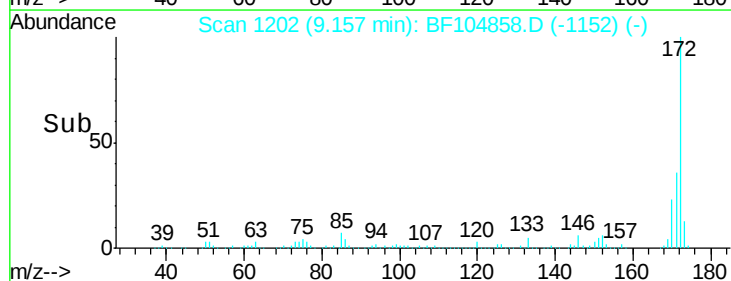
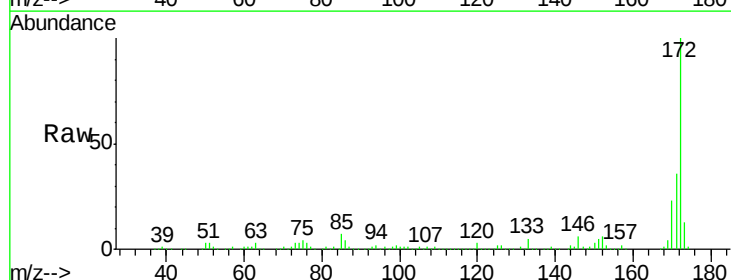
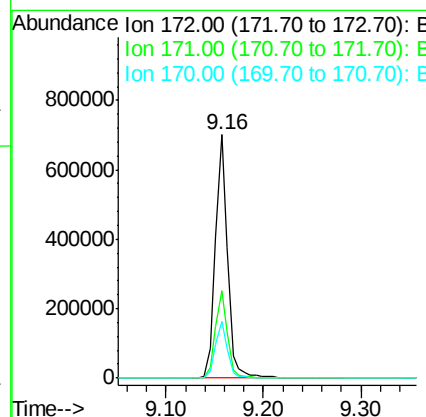
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#44
 2-Fluorobiphenyl
 Concen: 62.005 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104858.D
 Acq: 27 Apr 2018 3:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	611160		
171	35.9	29.7	44.5	
170	23.4	19.6	29.4	





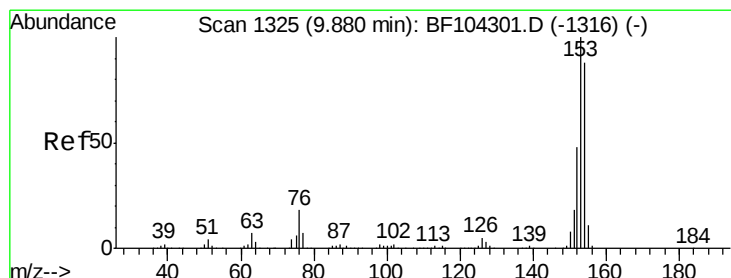
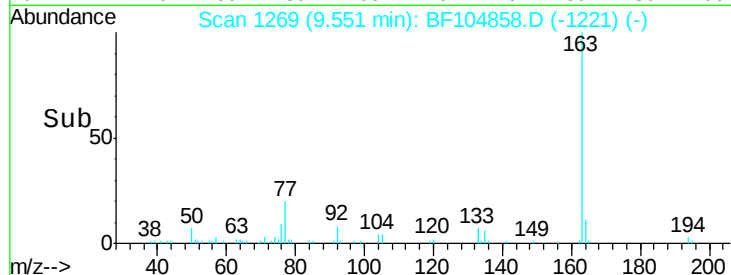
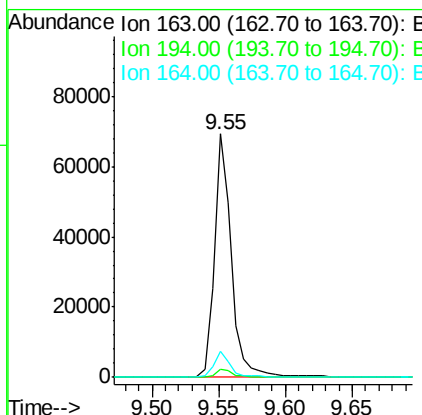
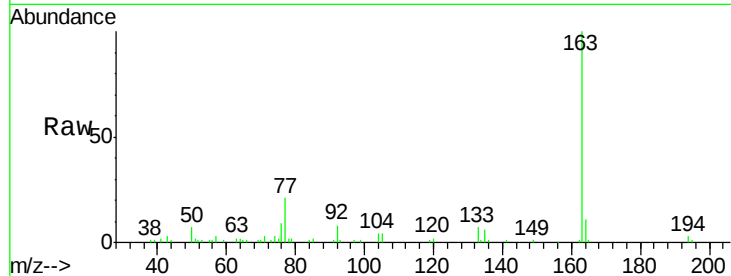
#49
Dimethylphthalate
Concen: 5.069 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF104858.D
Acq: 27 Apr 2018 3:24

Instrument :
BNA_F
ClientSampleId :
TP-5 0.0-0.5

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.7	4.1
164	10.6	8.2	12.2

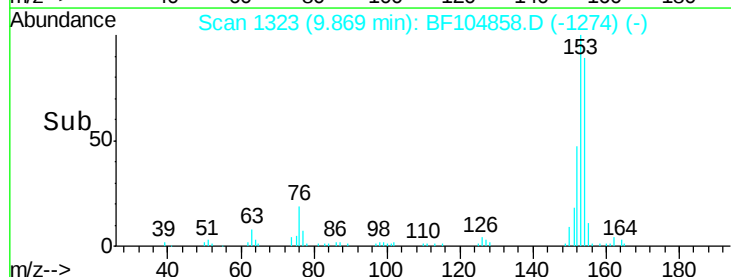
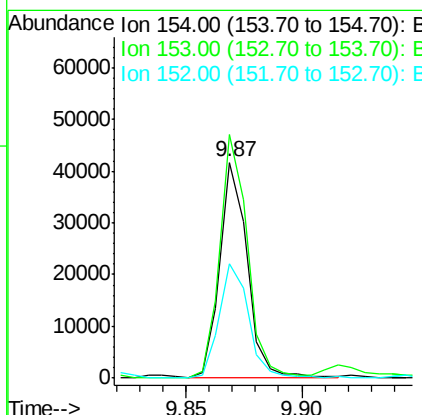
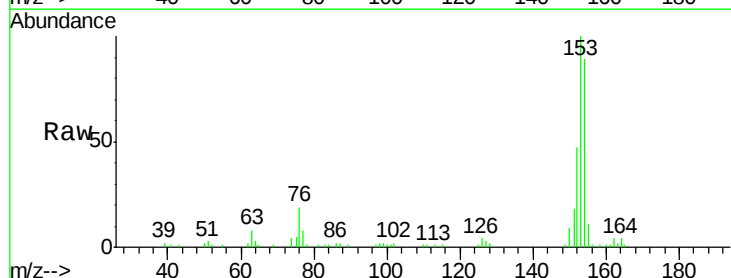
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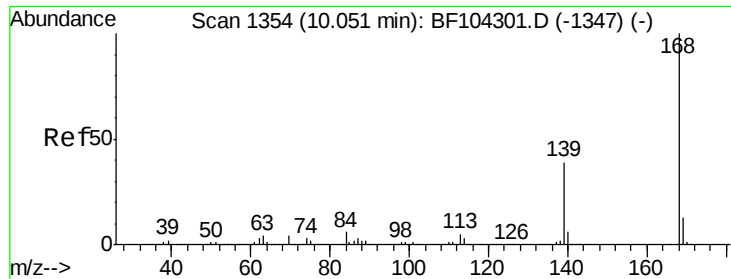
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#51
Acenaphthene
Concen: 3.513 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF104858.D
Acq: 27 Apr 2018 3:24

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.8	91.2	136.8
152	52.7	43.8	65.8





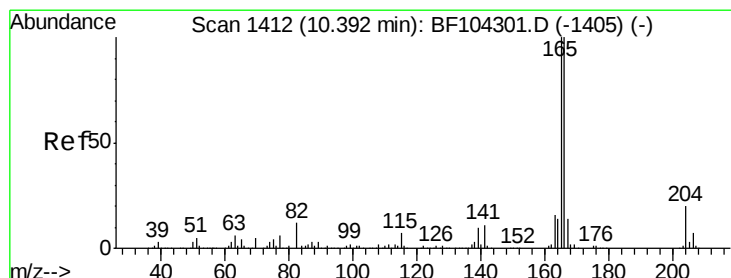
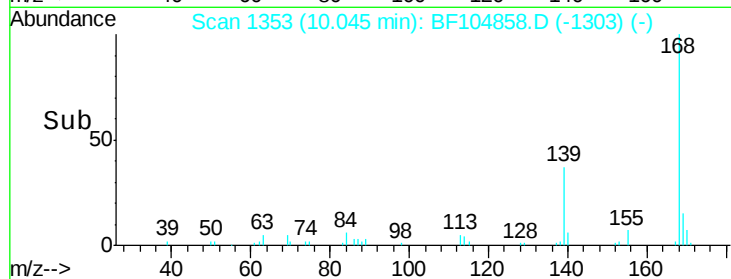
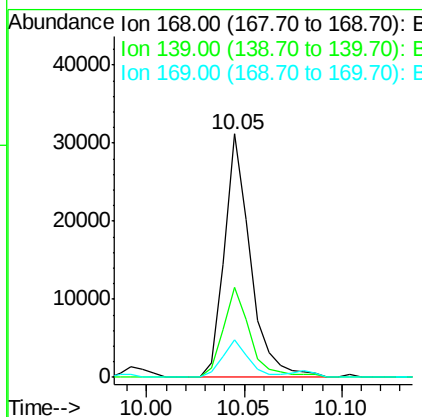
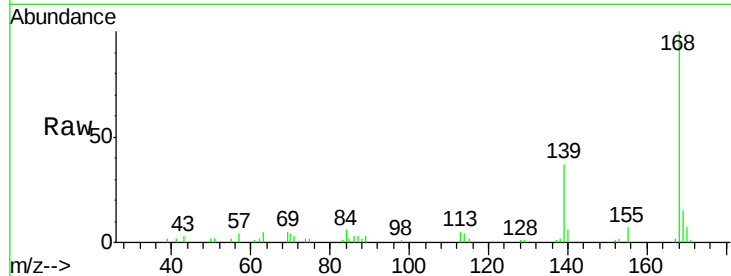
#54
Dibenzenofuran
Concen: 2.094 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF104858.D
Acq: 27 Apr 2018 3:24

Instrument :
BNA_F
ClientSampleId :
TP-5 0.0-0.5

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.1	30.1	45.1
169	15.4	10.9	16.3

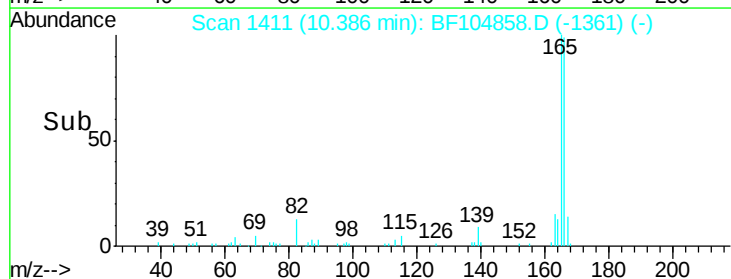
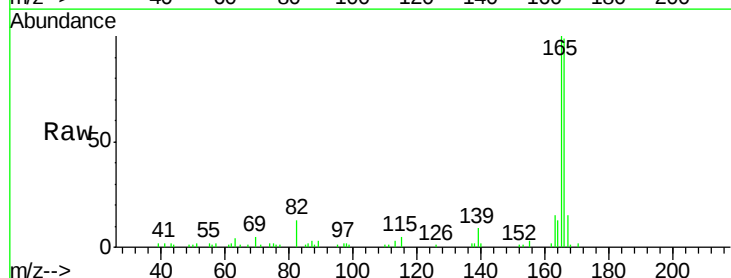
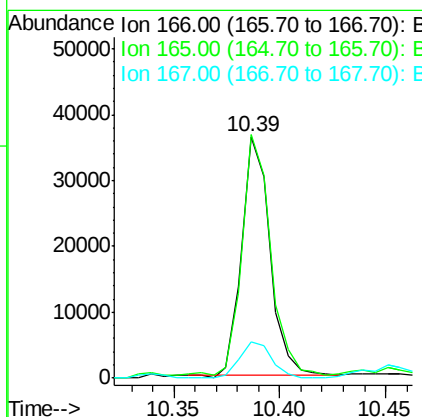
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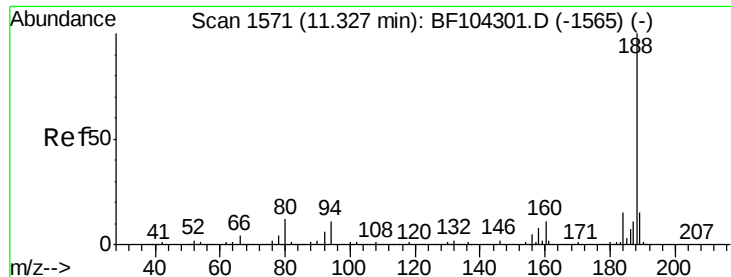
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#57
Fluorene
Concen: 3.337 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.01 min
Lab File: BF104858.D
Acq: 27 Apr 2018 3:24

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.9	79.8	119.8
167	14.9	10.6	16.0





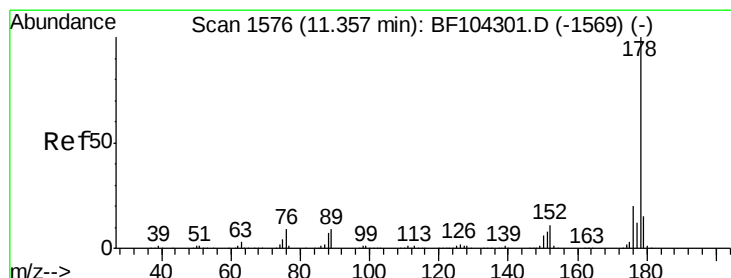
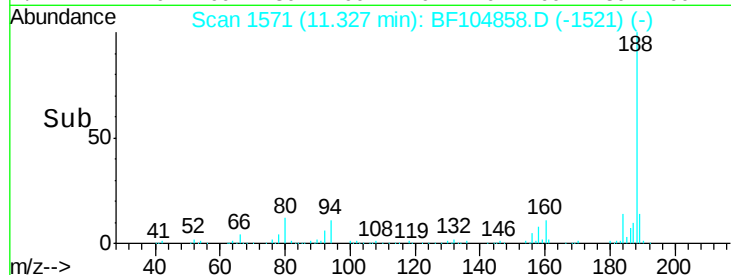
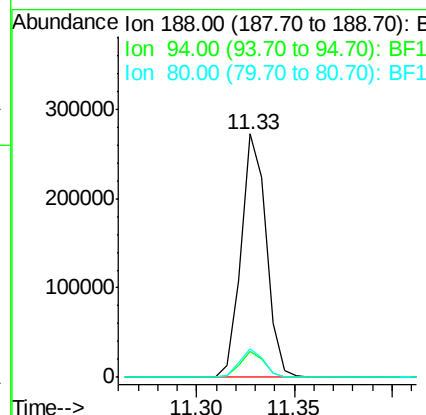
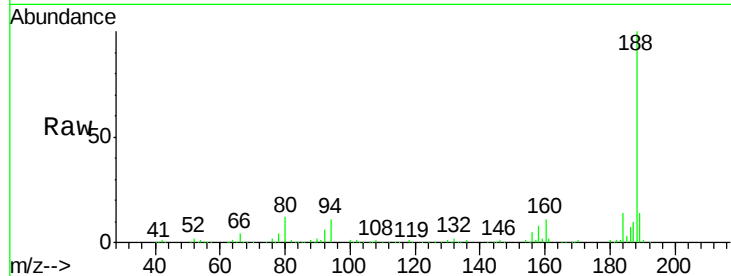
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104858.D
Acq: 27 Apr 2018 3:24

Instrument :
BNA_F
ClientSampleId :
TP-5 0.0-0.5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	243970		
94	10.8		8.5	12.7
80	11.5		9.2	13.8

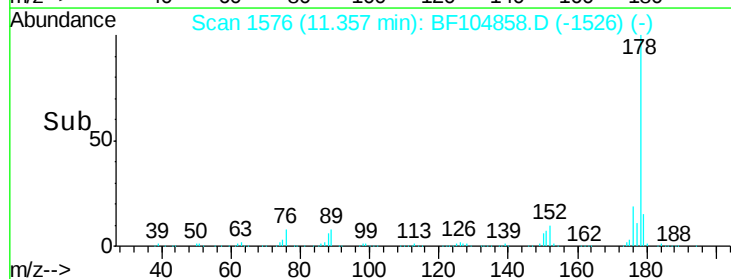
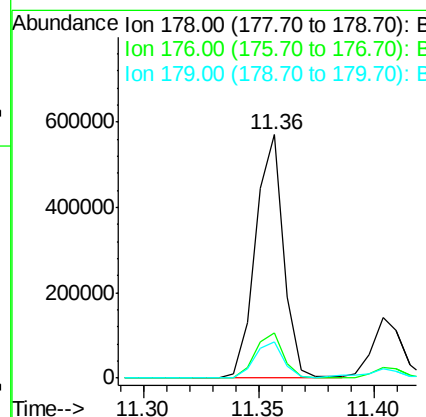
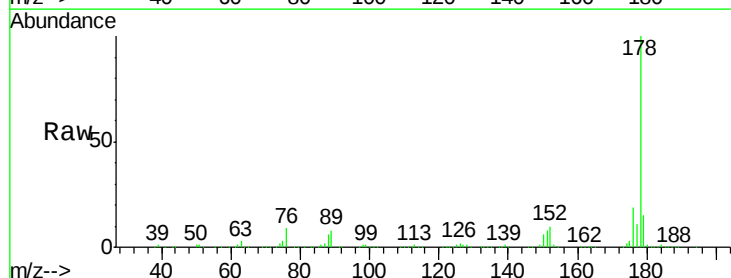
Manual Integrations
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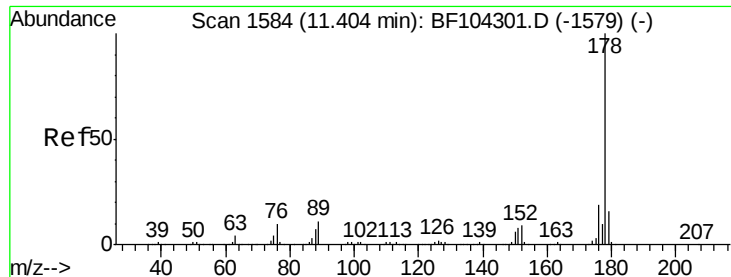
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#70
Phenanthrene
Concen: 35.832 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104858.D
Acq: 27 Apr 2018 3:24

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	486839		
176	18.7		15.8	23.8
179	15.0		13.0	19.6





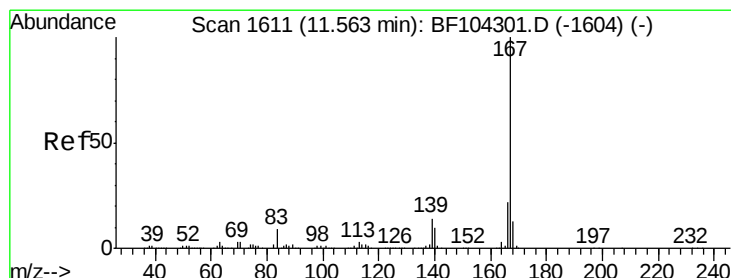
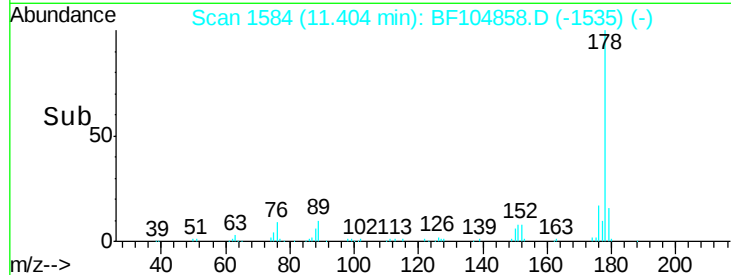
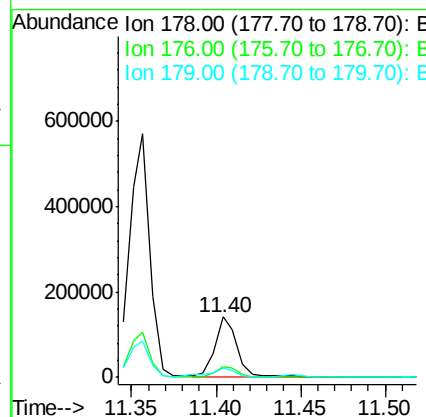
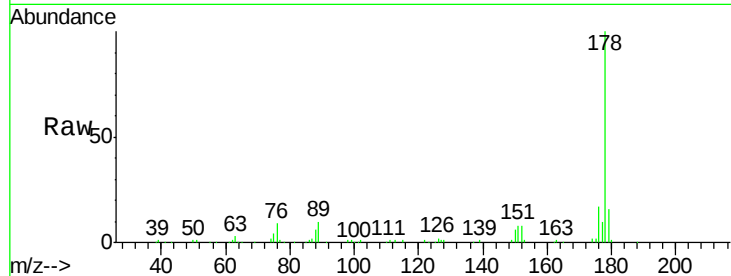
#71
 Anthracene
 Concen: 9.336 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF104858.D
 Acq: 27 Apr 2018 3:24

Instrument :
 BNA_F
 ClientSampleId :
 TP-5 0.0-0.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.4	23.2
179	16.0	12.6	19.0

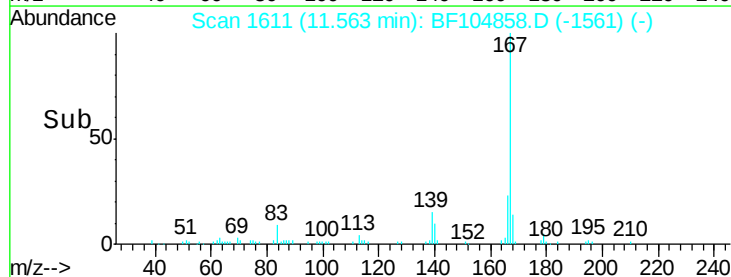
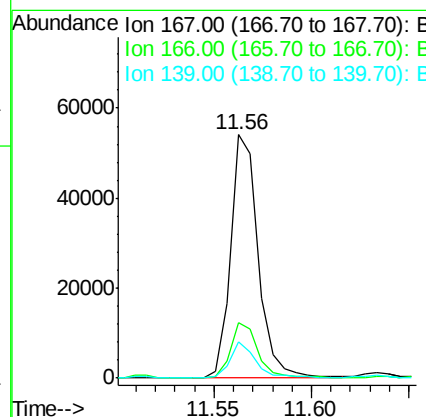
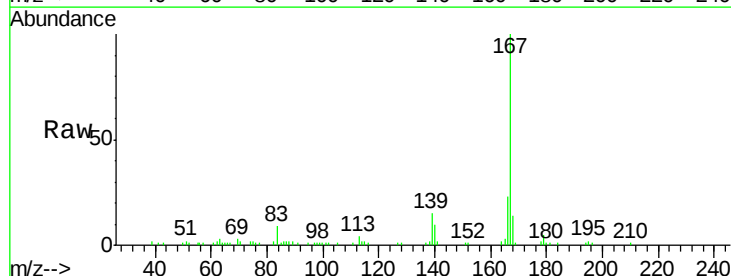
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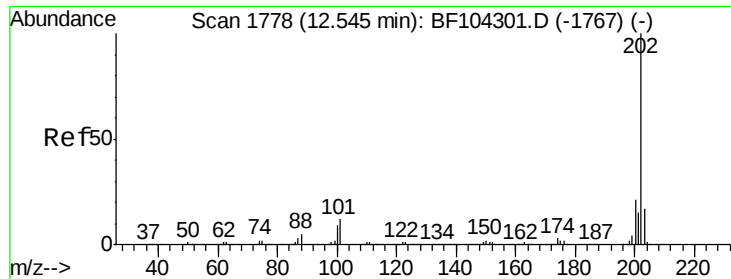
Sohil
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#72
 Carbazole
 Concen: 3.929 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF104858.D
 Acq: 27 Apr 2018 3:24

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.6	26.4
139	14.8	10.9	16.3





#74

Fluoranthene

Concen: 49.131 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BF104858.D

Acq: 27 Apr 2018 3:24

Instrument :

BNA_F

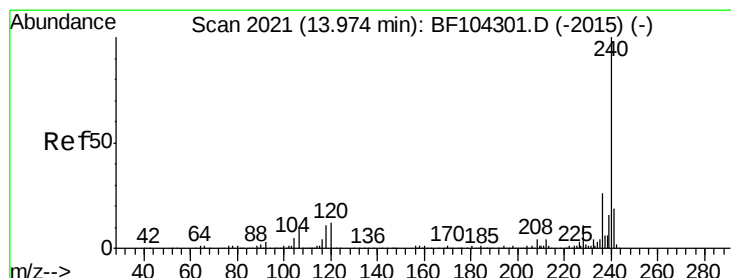
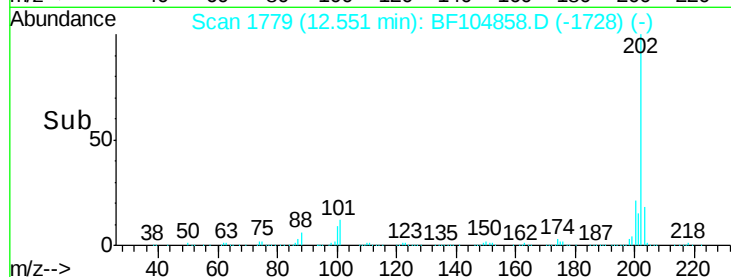
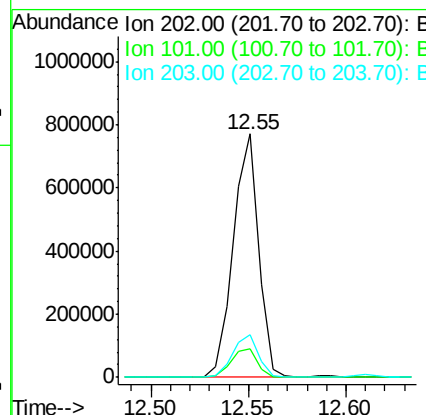
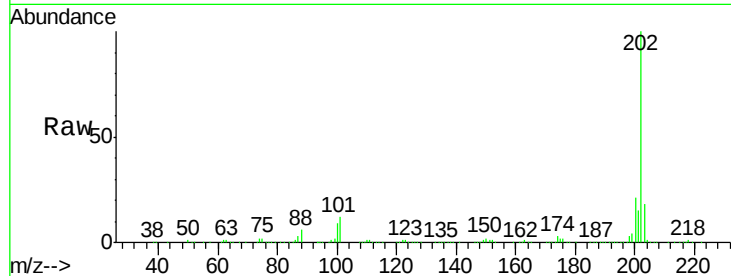
ClientSampleId :

TP-5 0.0-0.5

Tot Ion	Ratio	Resp	Lower	Upper
202	100	697432		
101	12.0	0.0	34.1	
203	17.5	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

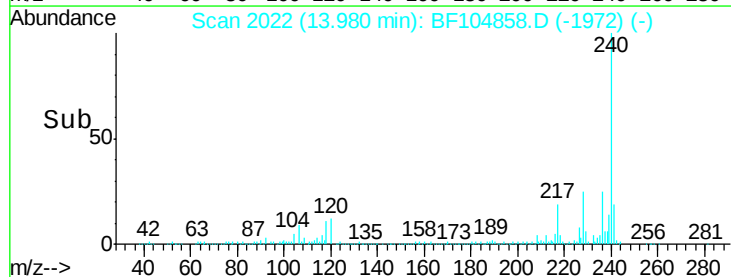
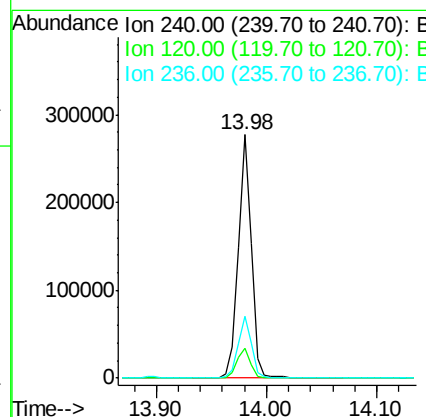
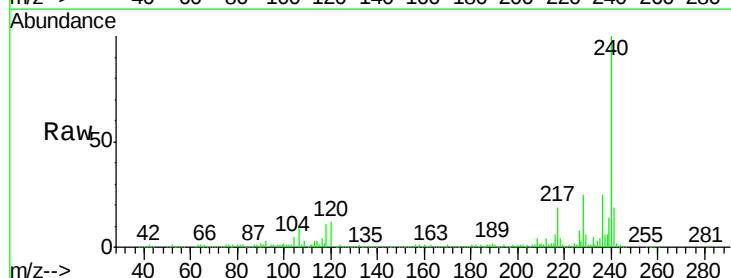
RT: 13.98 min Scan# 2022

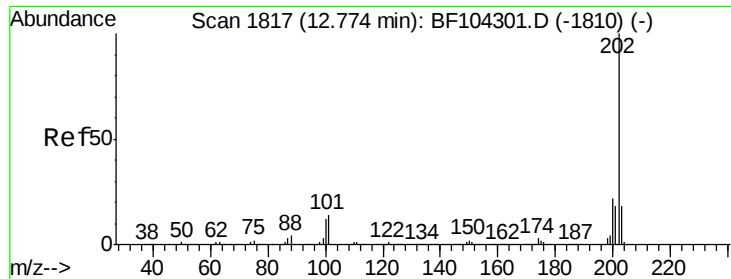
Delta R.T. -0.01 min

Lab File: BF104858.D

Acq: 27 Apr 2018 3:24

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	232199		
120	12.2	9.5	14.3	
236	25.3	20.7	31.1	





#77

Pvrene

Concen: 35.484 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF104858.D

Acq: 27 Apr 2018 3:24

Instrument :

BNA_F

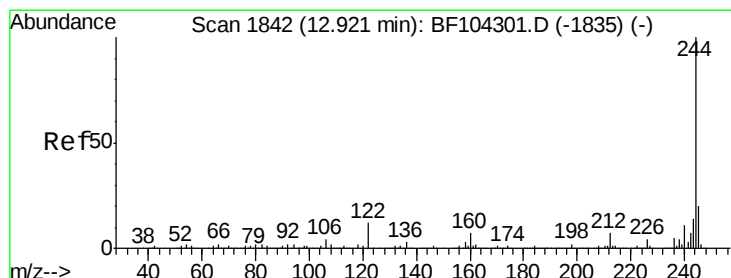
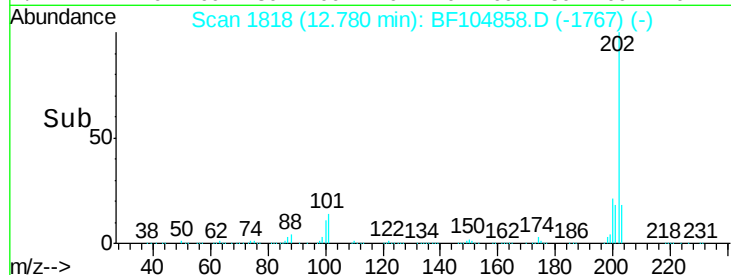
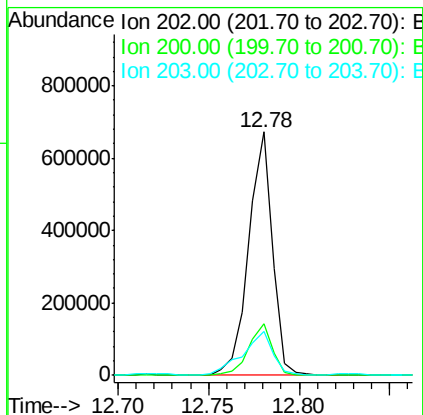
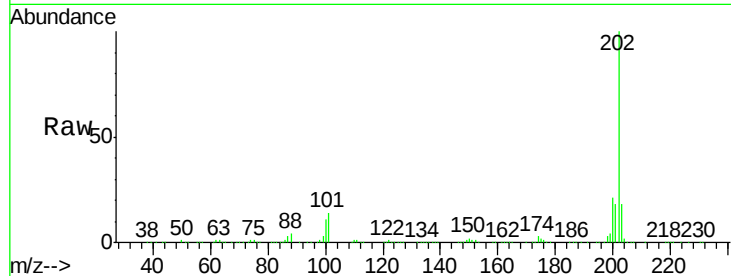
ClientSampleId :

TP-5 0.0-0.5

Tot Ion:	202	Resp:	610725
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.9	14.3	21.5

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#78

Terphenyl-d14

Concen: 47.076 ng

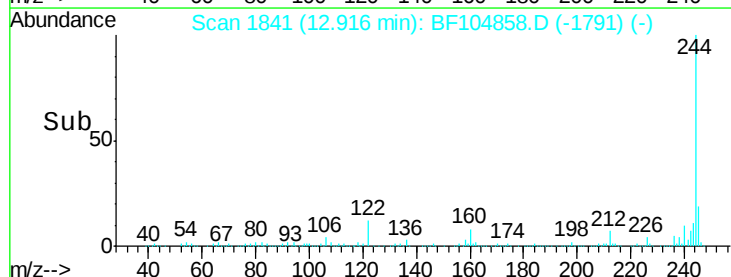
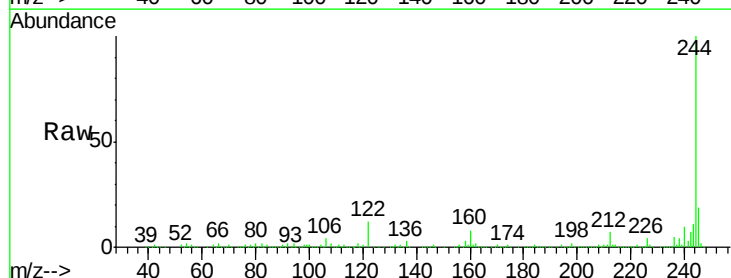
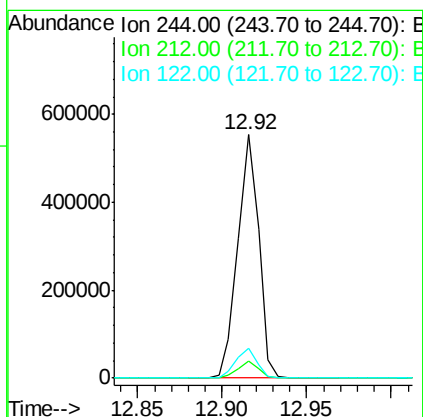
RT: 12.92 min Scan# 1841

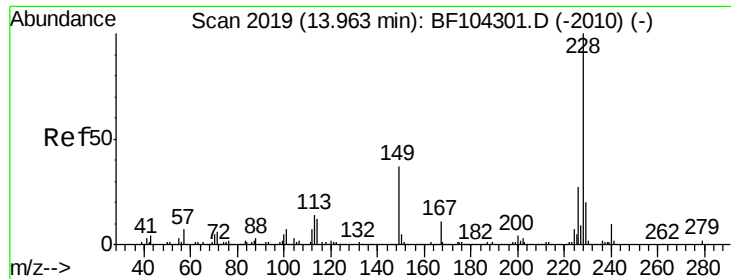
Delta R.T. -0.01 min

Lab File: BF104858.D

Acq: 27 Apr 2018 3:24

Tgt Ion:	244	Resp:	479462
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	12.5	11.0	16.4





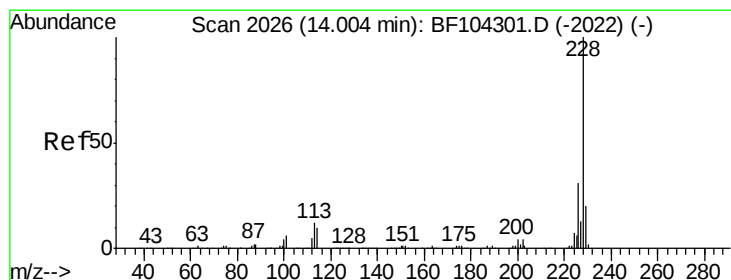
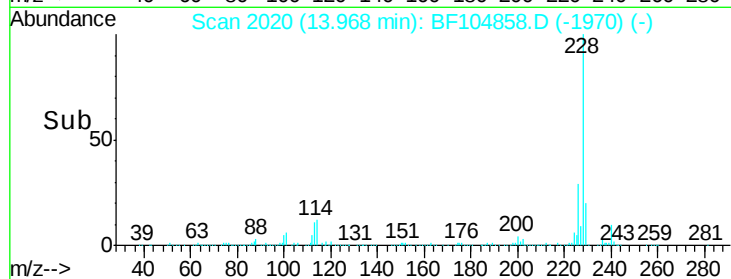
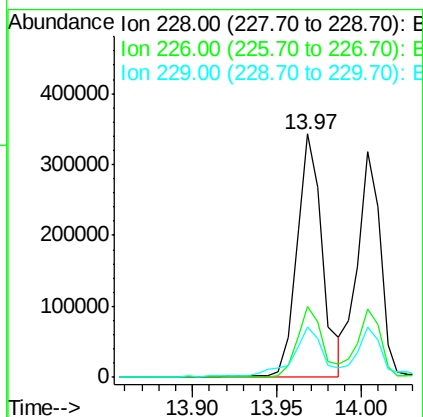
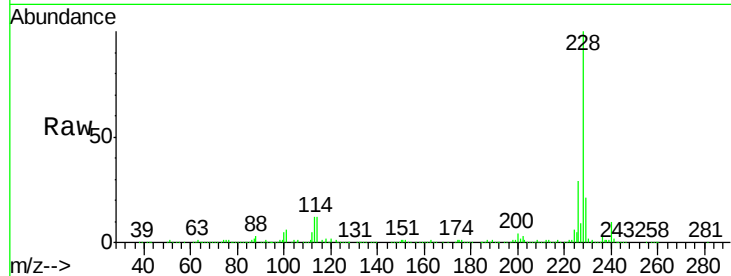
#80
Benzo(a)anthracene
Concen: 25.811 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104858.D
Acq: 27 Apr 2018 3:24

Instrument :
BNA_F
ClientSampleId :
TP-5 0.0-0.5

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	20.6	15.8	23.6

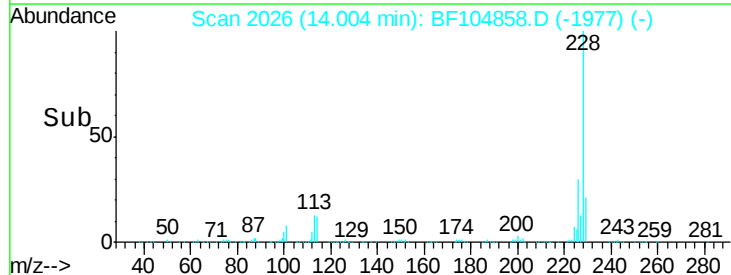
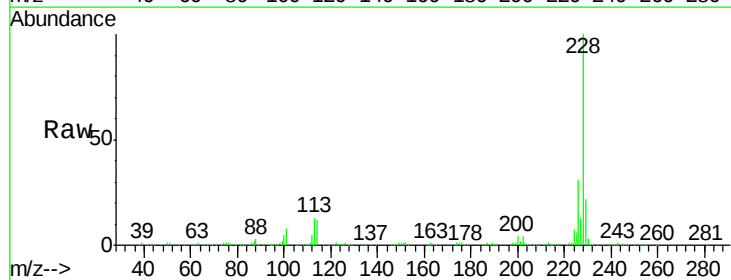
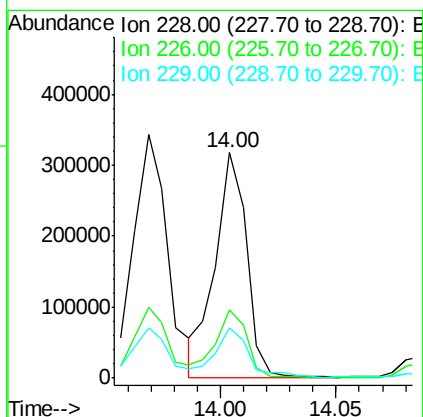
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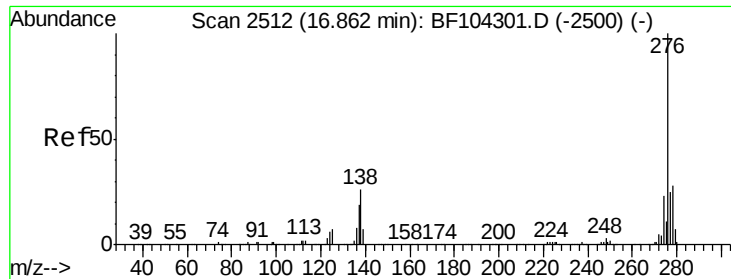
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#82
Chrysene
Concen: 21.025 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104858.D
Acq: 27 Apr 2018 3:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	22.2	16.2	24.4





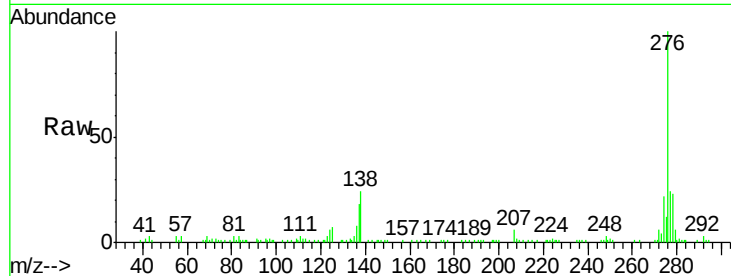
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.828 ng/ml
RT: 16.90 min Scan# 2519
Delta R.T. -0.03 min
Lab File: BF104858.D
Acq: 27 Apr 2018 3:24

Instrument :
BNA_F
ClientSampleId :
TP-5 0.0-0.5

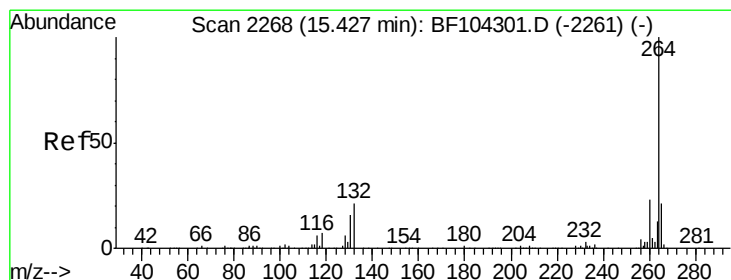
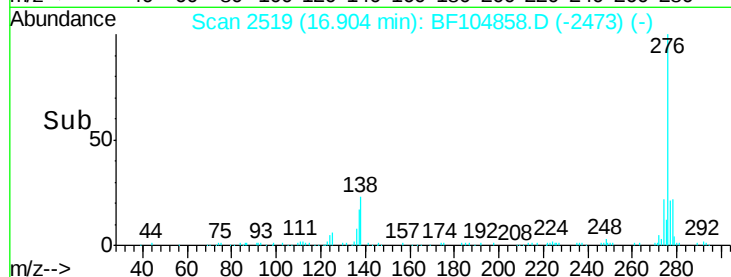
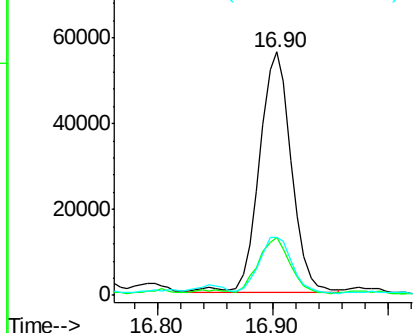
Tot Ion	Ratio	Lower	Upper
276	100		
138	5.2	25.0	37.6#
277	4.6	20.1	30.1#

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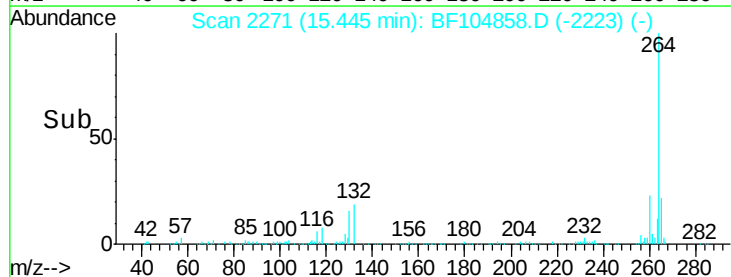
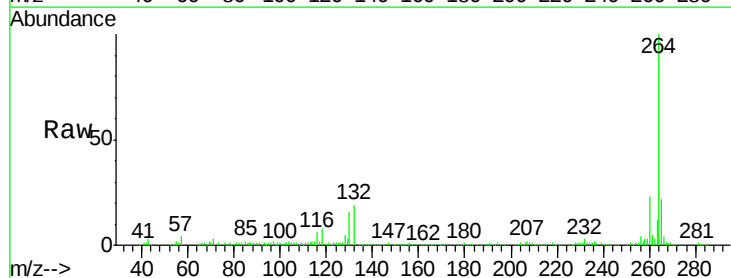
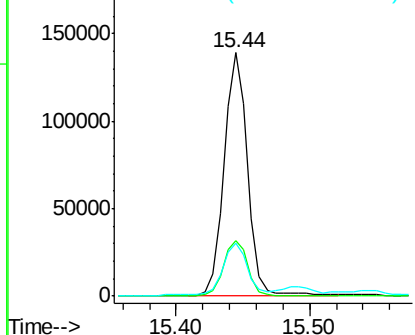
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

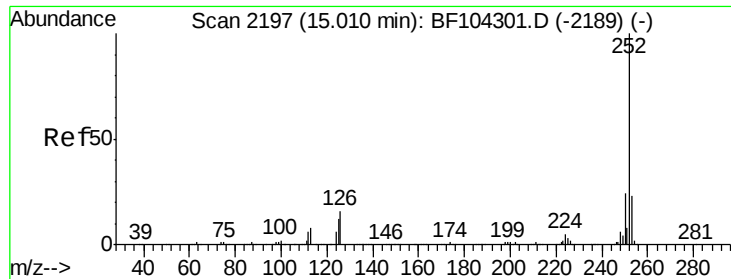


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF104858.D
Acq: 27 Apr 2018 3:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	21.9	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





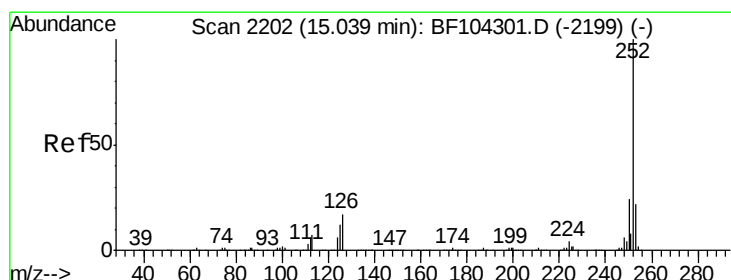
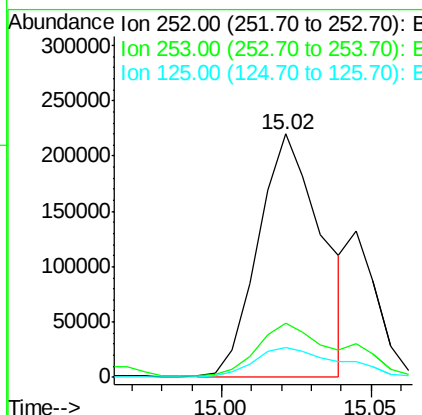
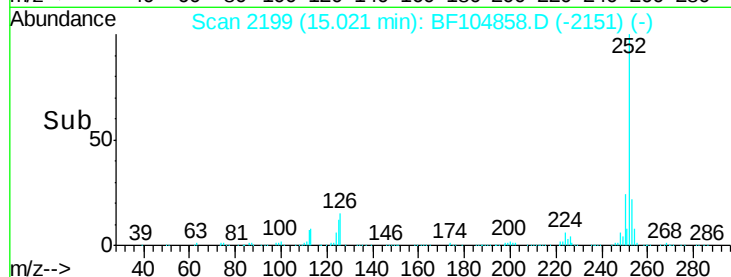
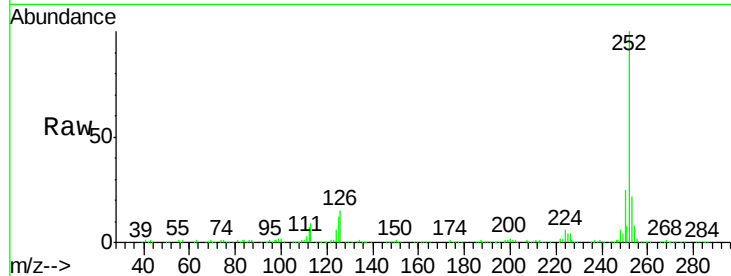
#87
Benzo(b)fluoranthene
Concen: 29.853 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF104858.D
Acq: 27 Apr 2018 3:24

Instrument :
BNA_F
ClientSampled :
TP-5 0.0-0.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	12.5	9.0	13.6

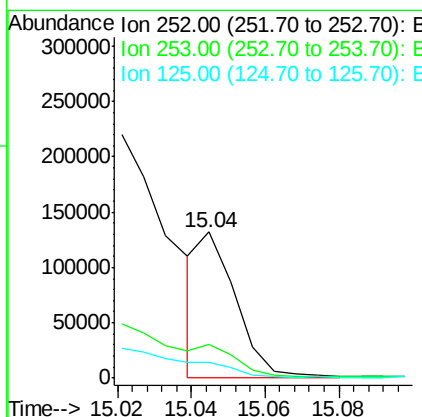
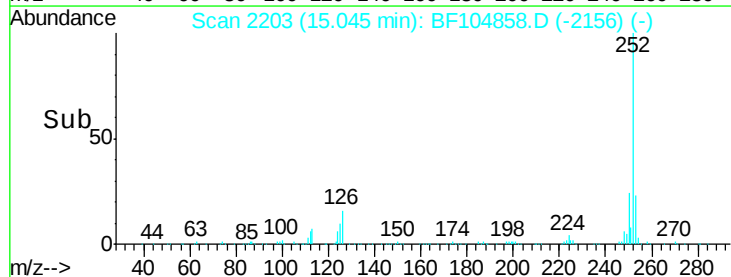
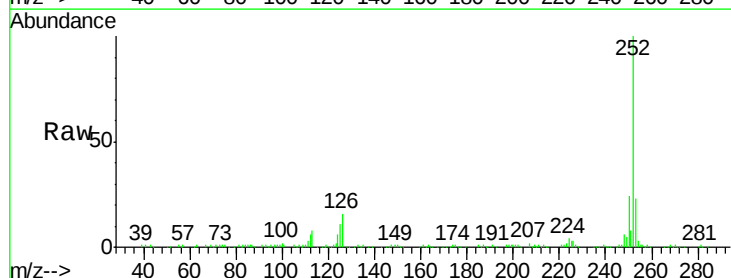
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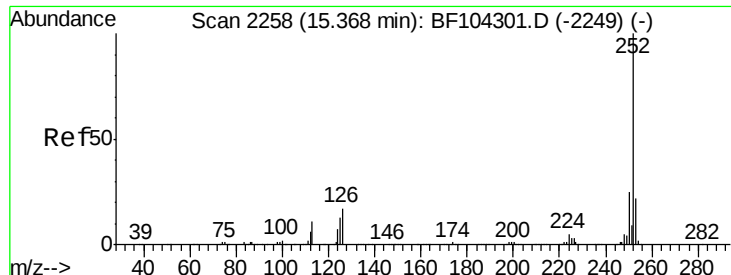
Sohil
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#88
Benzo(k)fluoranthene
Concen: 8.932 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.02 min
Lab File: BF104858.D
Acq: 27 Apr 2018 3:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	10.8	10.2	15.2





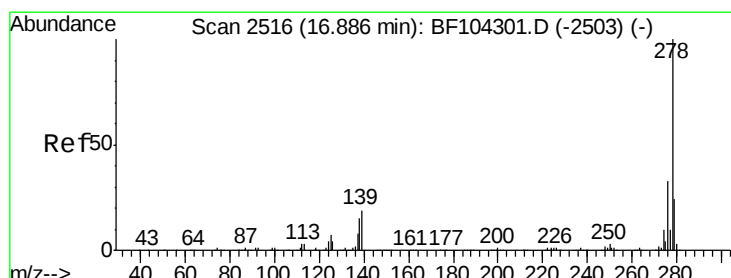
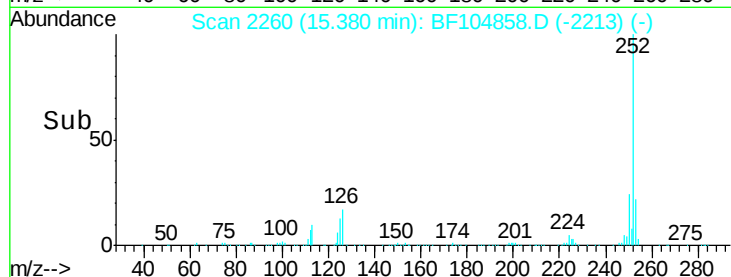
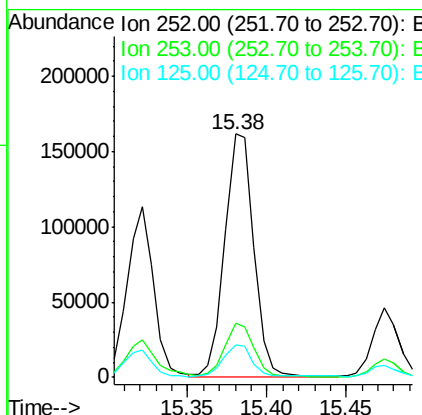
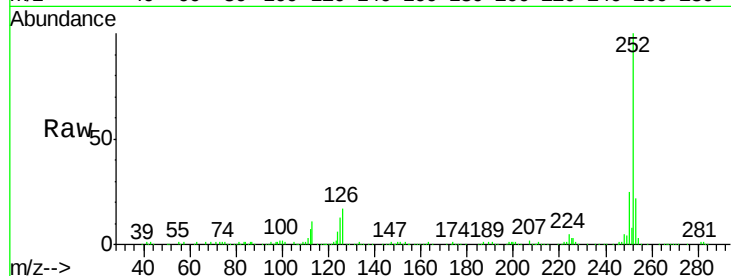
#89
Benzo(a)pyrene
Concen: 21.023 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF104858.D
Acq: 27 Apr 2018 3:24

Instrument :
BNA_F
ClientSampled :
TP-5 0.0-0.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	13.1	9.8	14.6

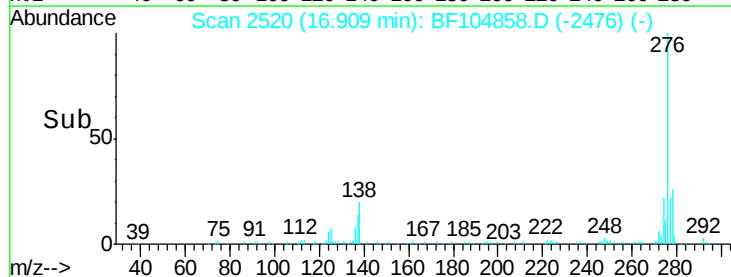
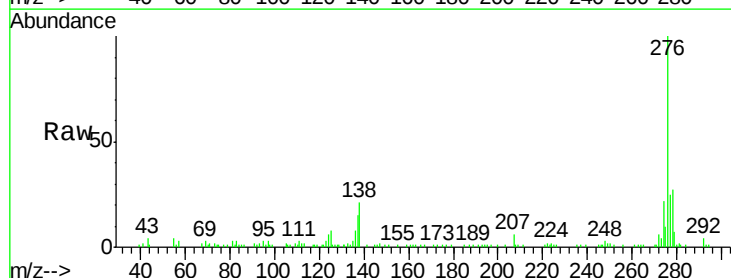
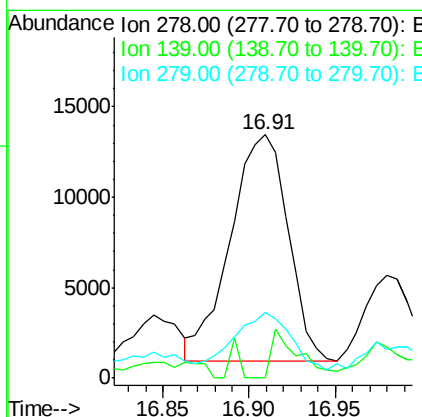
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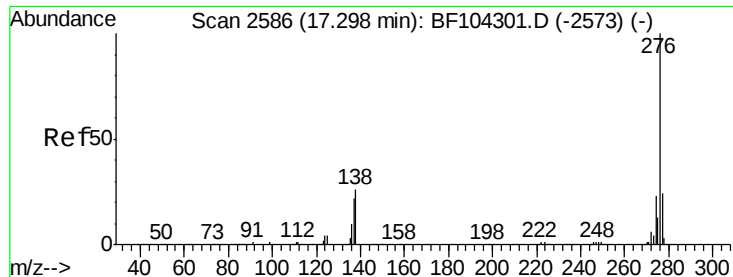
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 3.624 ng m
RT: 16.91 min Scan# 2520
Delta R.T. -0.04 min
Lab File: BF104858.D
Acq: 27 Apr 2018 3:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	27.2	19.0	28.4





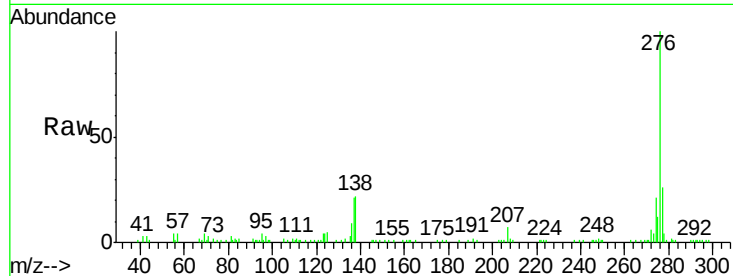
#91
 Benzo(a,h,i)perylene
 Concen: 12.392 ng
 RT: 17.35 min Scan# 2595
 Delta R.T. -0.03 min
 Lab File: BF104858.D
 Acq: 27 Apr 2018 3:24

Instrument :
 BNA_F
 ClientSampleId :
 TP-5 0.0-0.5

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	22.5	21.8	32.8

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

