

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
 Data File : BF104859.D
 Acq On : 27 Apr 2018 3:51
 Operator : JU/SJ
 Sample : J2520-06
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7 4.0-4.5

Manual Integrations
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 4/27/2018 6:59:19 PM

Quant Time: Apr 27 13:01:11 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	101891	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	397571	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	153863	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	232838	20.00	ng	0.00
75) Chrysene-d12	13.98	240	211891	20.00	ng	0.00
86) Perylene-d12	15.44	264	156863	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	591630	88.78	ng	0.00
7) Phenol-d6	6.44	99	766205	93.58	ng	0.00
23) Nitrobenzene-d5	7.37	82	507463	83.35	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	105022	65.80	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	672120	69.01	ng	0.00
78) Terphenyl-d14	12.92	244	471604	50.74	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.55	163	69720	5.746	ng	99
70) Phenanthrene	11.35	178	247542	19.091	ng	98
71) Anthracene	11.40	178	52907	4.014	ng	99
74) Fluoranthene	12.54	202	292935	21.623	ng	99
77) Pyrene	12.78	202	266548	16.971	ng	99
80) Benzo(a)anthracene	13.97	228	138187	10.916	ng	99
82) Chrysene	14.00	228	122576	9.427	ng	97
85) Indeno(1,2,3-cd)pyrene	16.90	276	34821	3.153	ng	# 91
87) Benzo(b)fluoranthene	15.02	252	112686m	11.374	ng	
88) Benzo(k)fluoranthene	15.04	252	31726m	3.392	ng	
89) Benzo(a)pyrene	15.38	252	71029	8.013	ng	98
91) Benzo(a,h,i)perylene	17.35	276	29909	4.240	ng	95

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

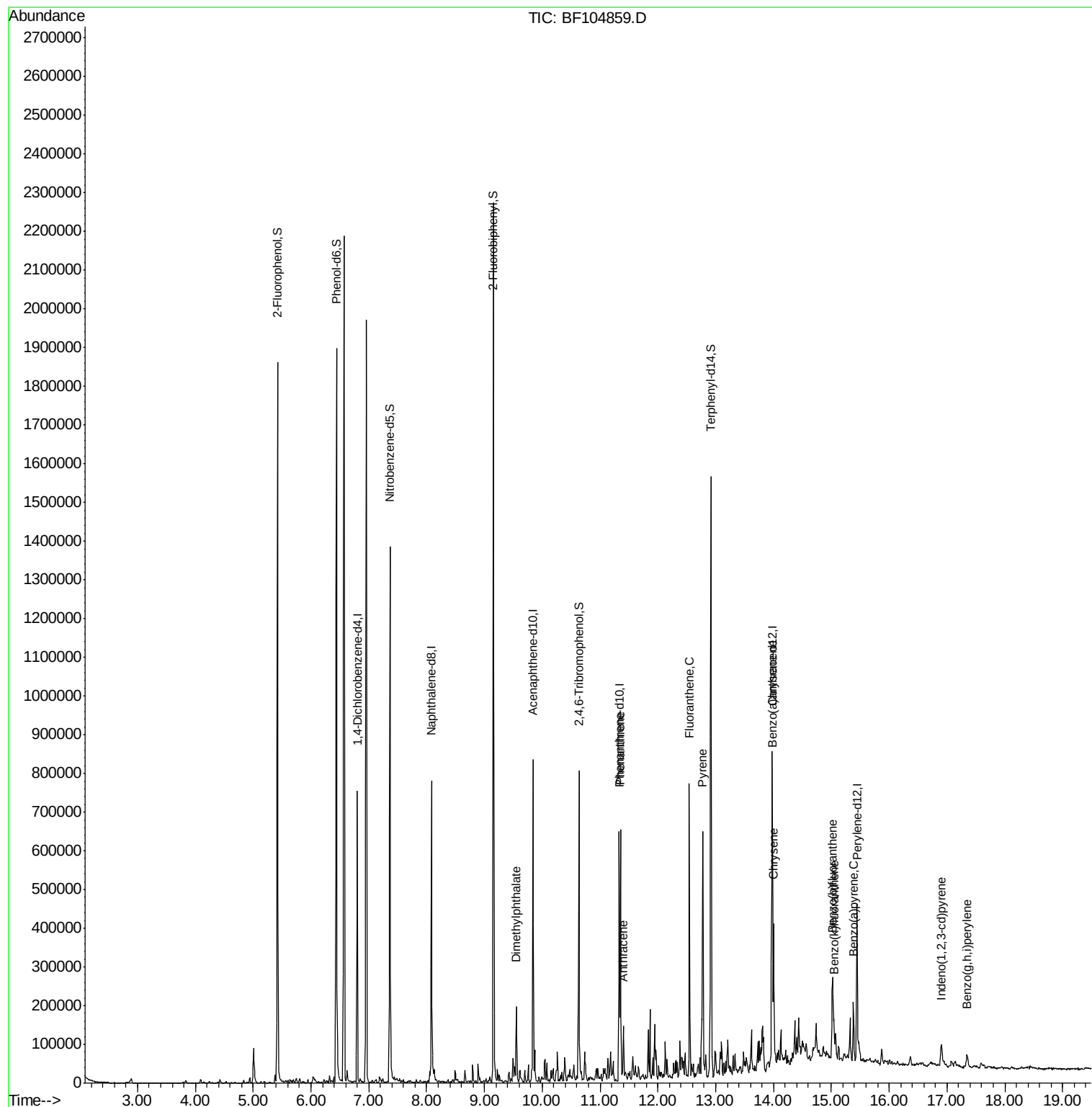
Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104859.D
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Misc :
ALS Vial : 28 Sample Multiplier: 1

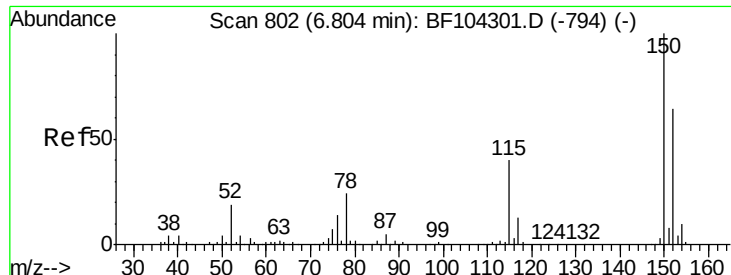
Instrument :
BNA_F
ClientSampleId :
TP-7 4.0-4.5

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#1

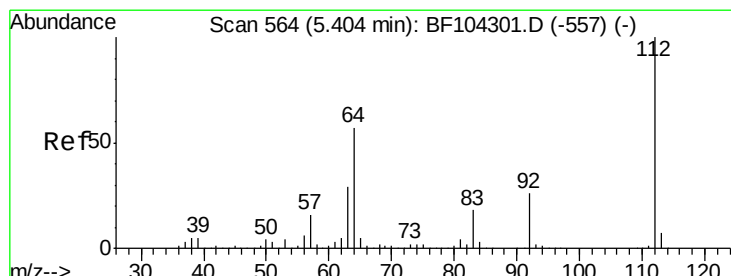
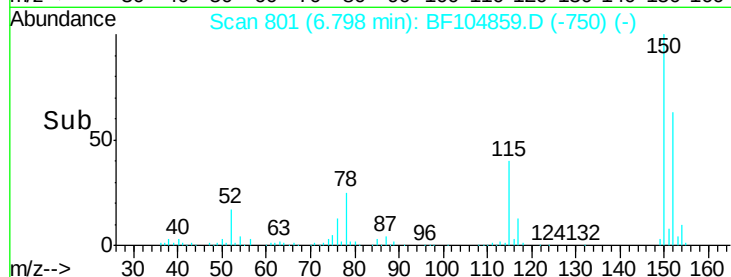
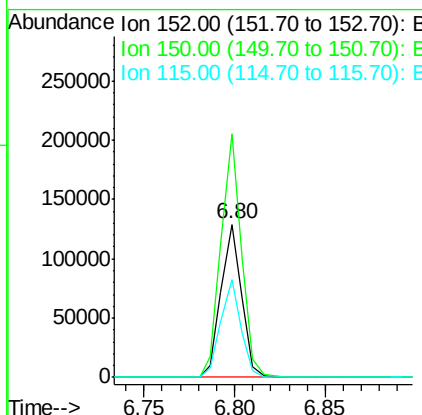
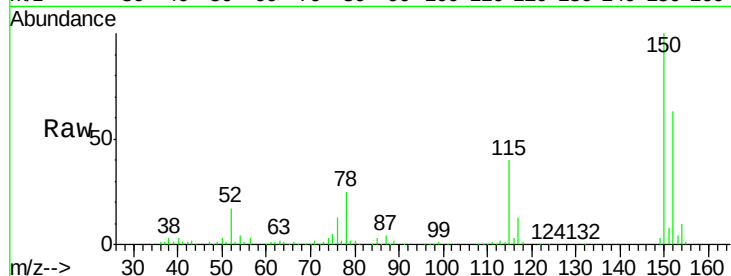
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

Instrument :
BNA_F
ClientSampled :
TP-7 4.0-4.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	63.4	50.1	75.1

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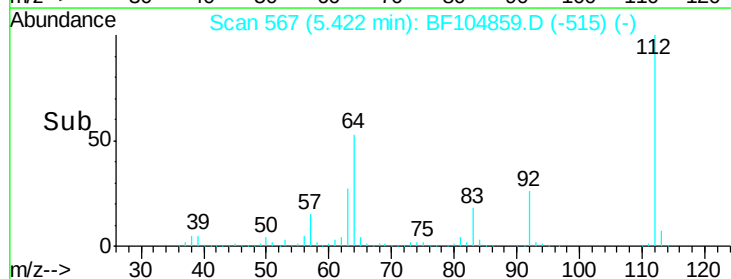
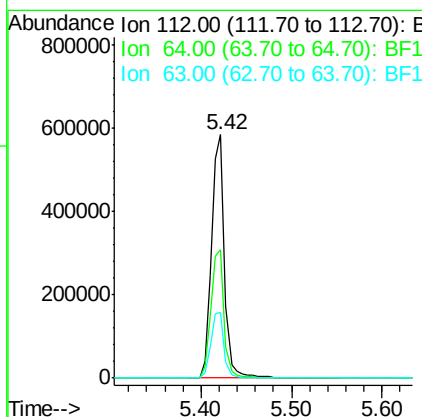
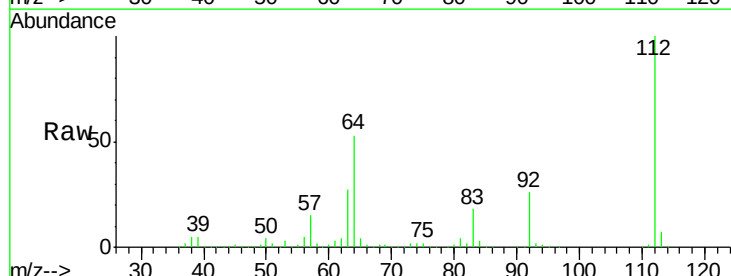
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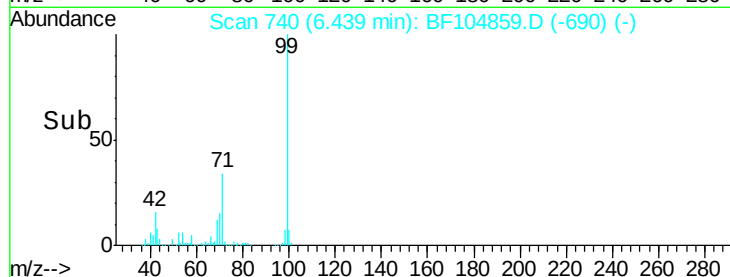
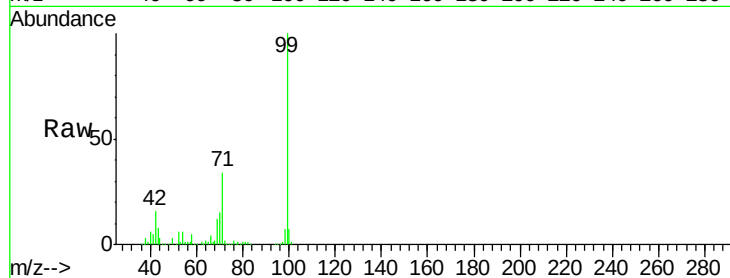
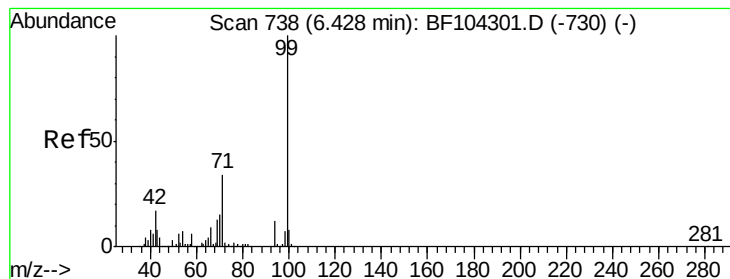


#5

2-Fluorophenol
Concen: 88.785 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.6	47.9	71.9
63	27.0	23.7	35.5





#7

Phenol-d6

Concen: 93.583 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104859.D

Acq: 27 Apr 2018 3:51

Tot Ion:	99	Resp:	766205
Ion Ratio	Lower	Upper	
99	100		
42	15.9	14.5	21.7
71	33.9	25.4	38.0

Instrument :

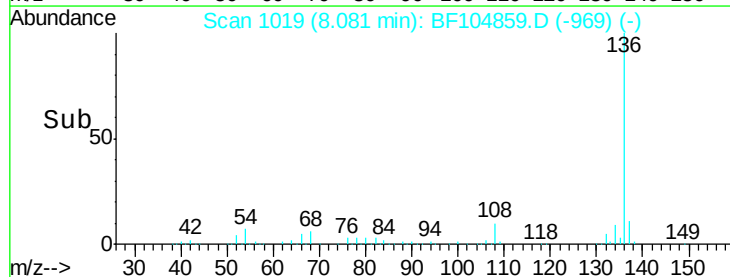
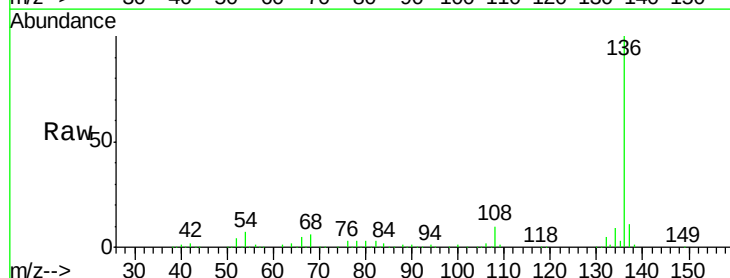
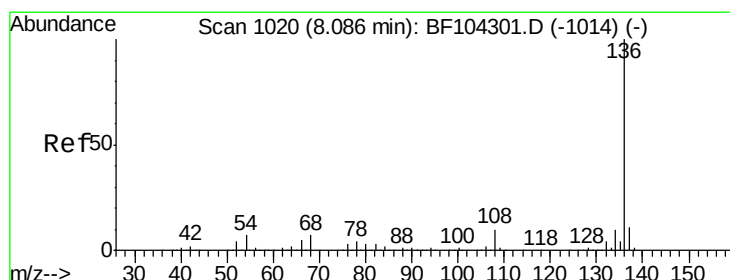
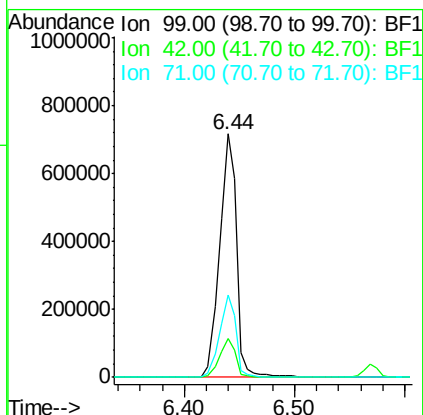
BNA_F

ClientSampleId :

TP-7 4.0-4.5

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#21

Naphthalene-d8

Concen: 20.000 ng

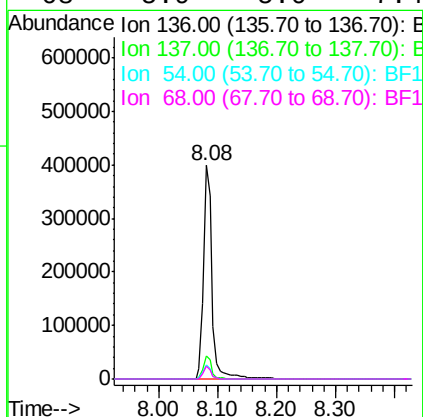
RT: 8.08 min Scan# 1019

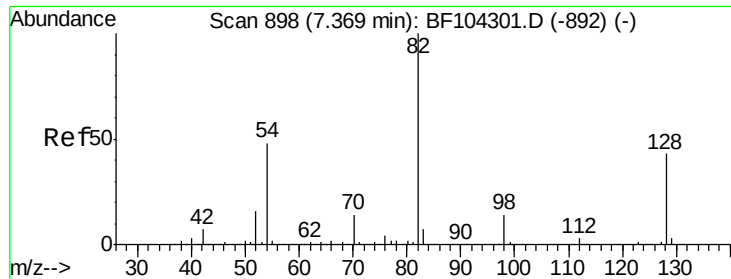
Delta R.T. -0.01 min

Lab File: BF104859.D

Acq: 27 Apr 2018 3:51

Tgt Ion:	136	Resp:	397571
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	6.9	6.6	9.8
68	5.9	5.0	7.4





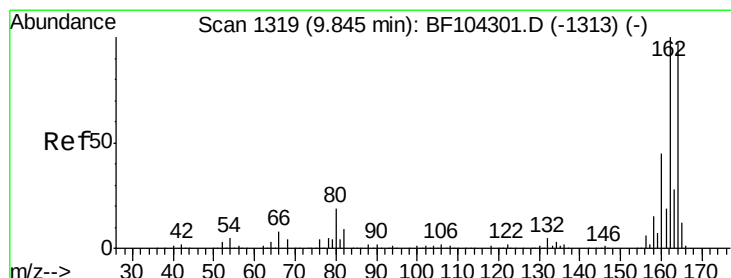
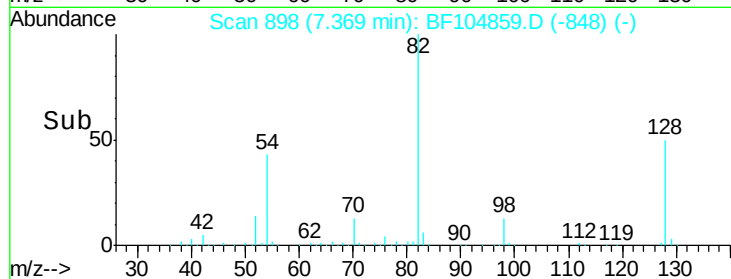
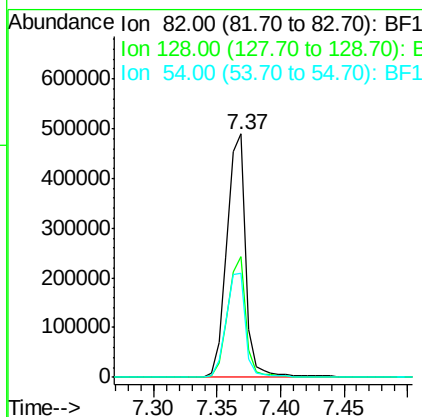
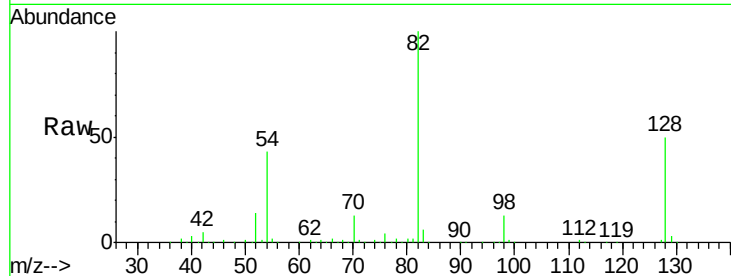
#23
Nitrobenzene-d5
Concen: 83.347 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

Instrument :
BNA_F
ClientSampleId :
TP-7 4.0-4.5

Tot Ion	Ratio	Resp	Lower	Upper
82	100	507463		
128	49.6	36.1	54.1	
54	42.9	41.4	62.2	

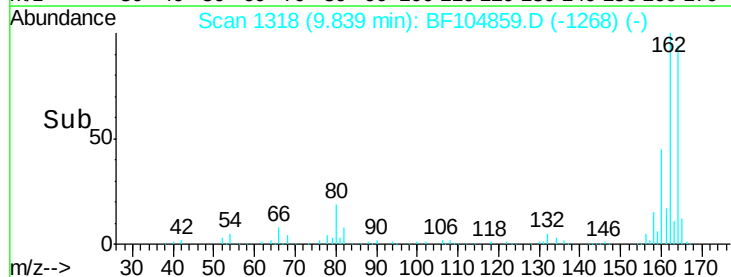
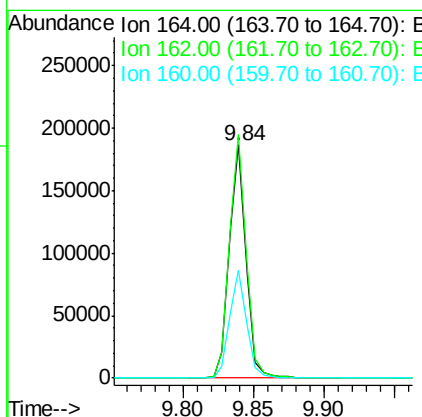
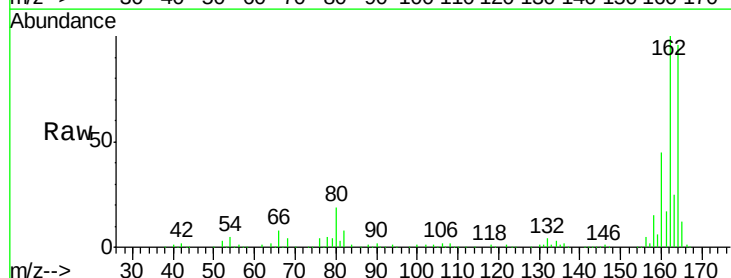
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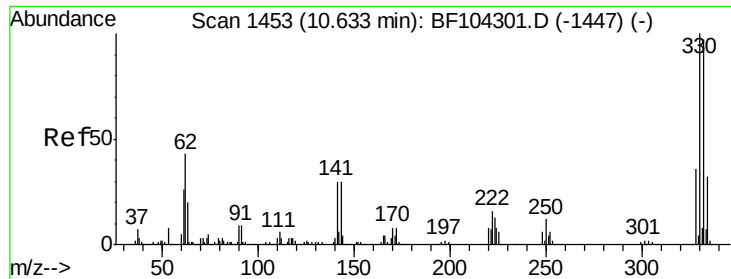
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	153863		
162	104.6	86.1	129.1	
160	46.6	38.3	57.5	





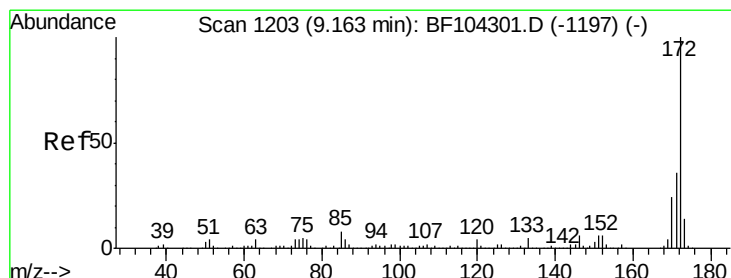
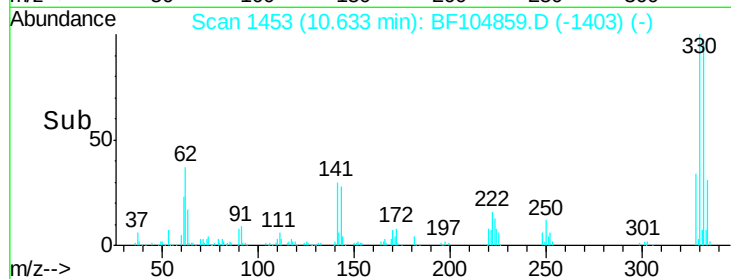
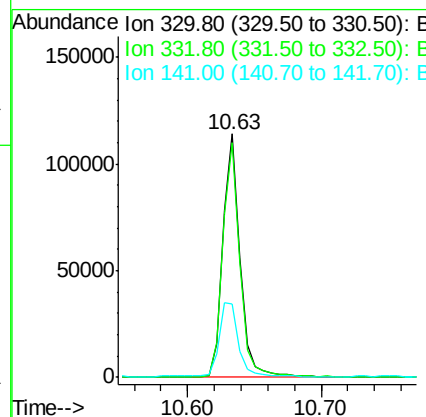
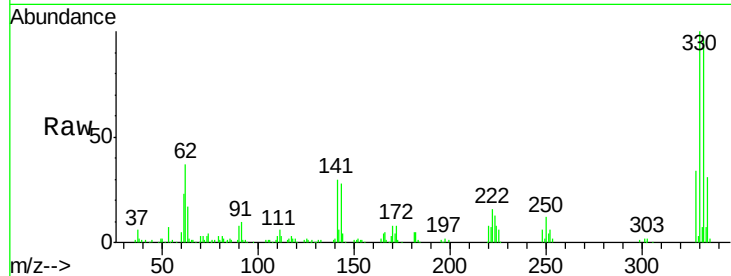
#41
 2,4,6-Tribromophenol
 Concen: 65.801 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104859.D
 Acq: 27 Apr 2018 3:51

Instrument :
 BNA_F
 ClientSampleId :
 TP-7 4.0-4.5

Tot Ion	Ratio	Resp	Lower	Upper
330	100	105022		
332	96.8	77.0	115.6	
141	35.1	29.9	44.9	

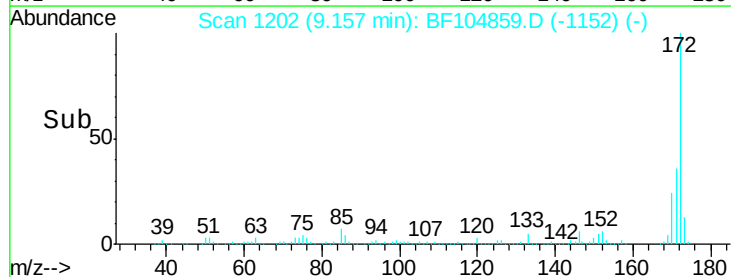
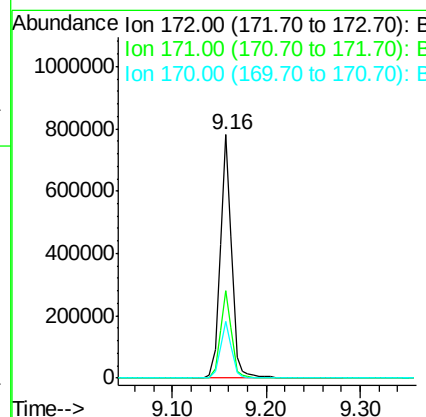
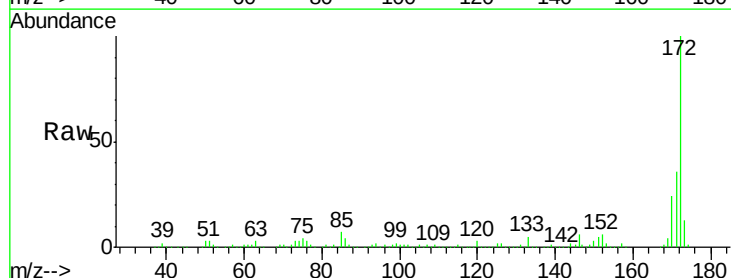
Manual Integrations
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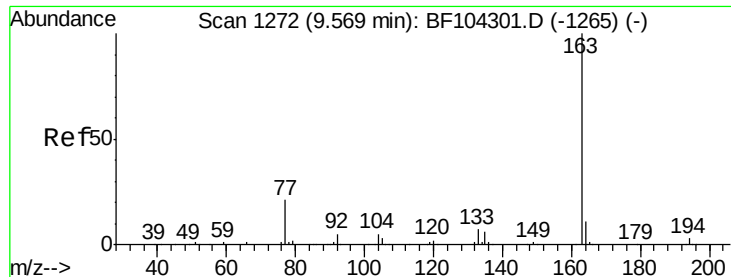
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#44
 2-Fluorobiphenyl
 Concen: 69.008 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104859.D
 Acq: 27 Apr 2018 3:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	672120		
171	36.0	29.7	44.5	
170	23.5	19.6	29.4	





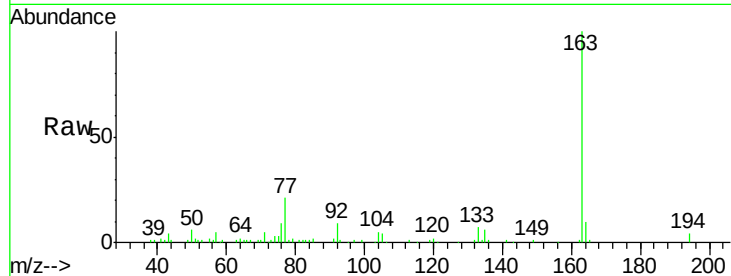
#49
Dimethylphthalate
Concen: 5.746 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

Instrument :
BNA_F
ClientSampled :
TP-7 4.0-4.5

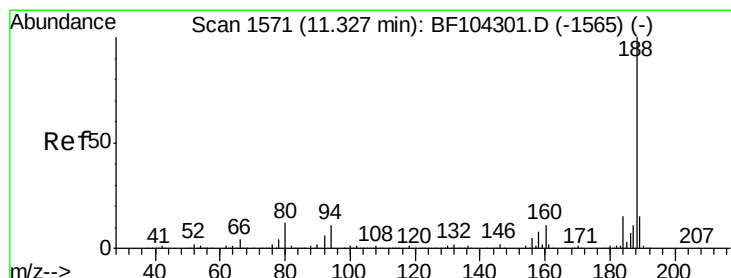
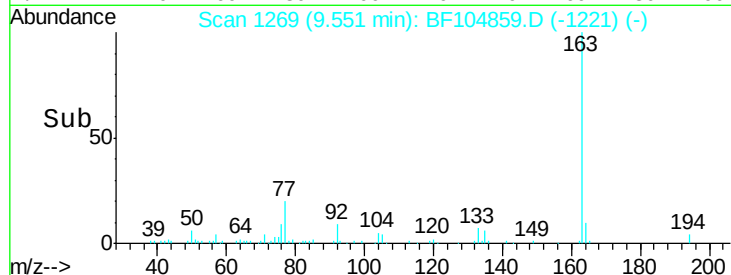
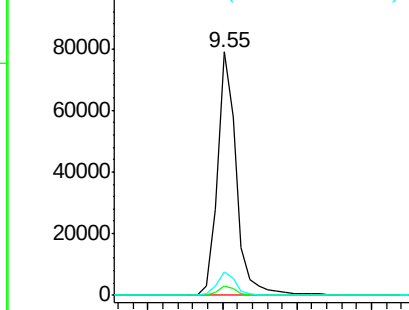
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	9.7	8.2	12.2

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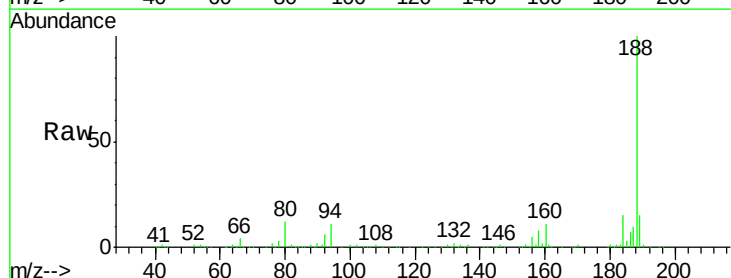


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

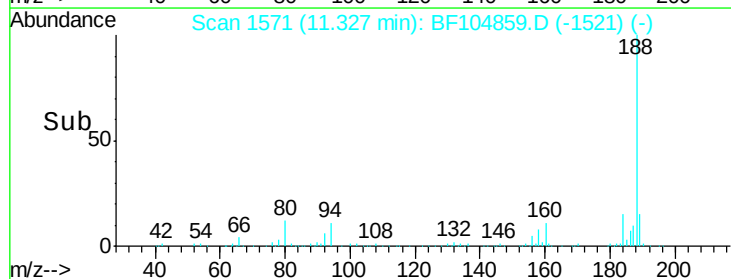
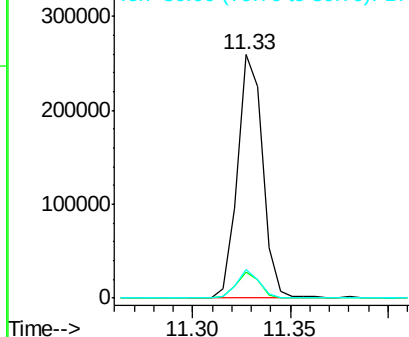


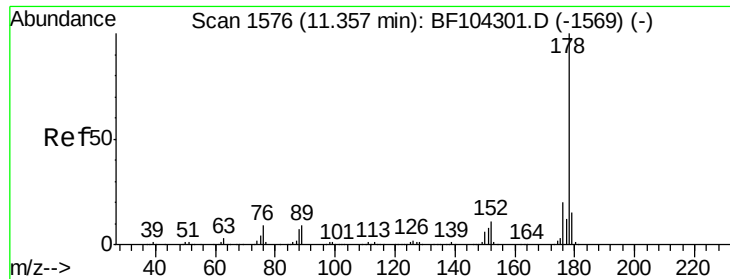
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.5	12.7
80	11.5	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 19.091 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF104859.D

Acq: 27 Apr 2018 3:51

Instrument :

BNA_F

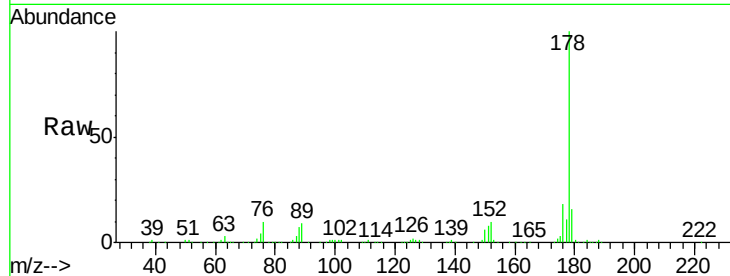
ClientSampleId :

TP-7 4.0-4.5

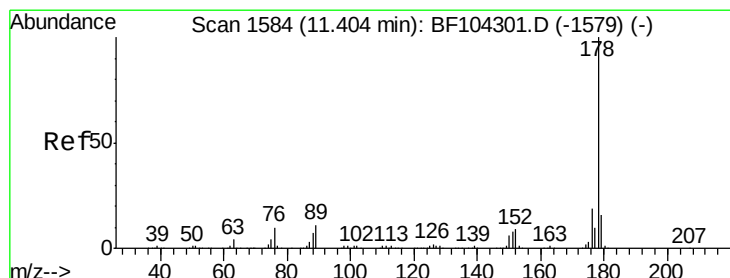
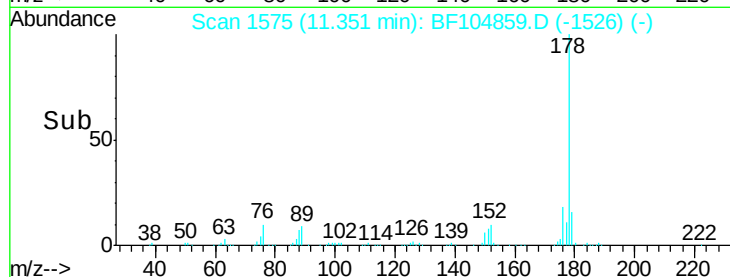
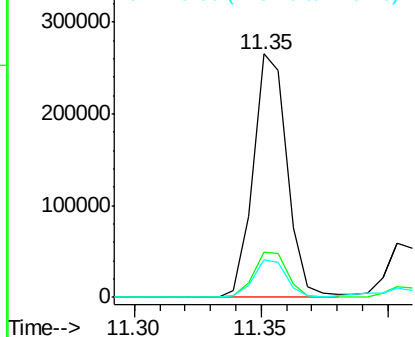
Tot Ion:178	Resp:	247542
Ion Ratio	Lower	Upper
178	100	
176	18.4	15.8 23.8
179	15.6	13.0 19.6

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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: 4.014 ng

RT: 11.40 min Scan# 1584

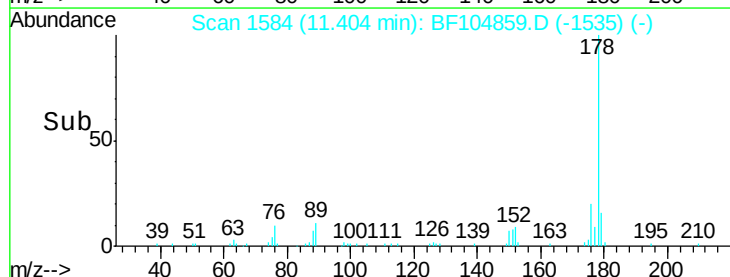
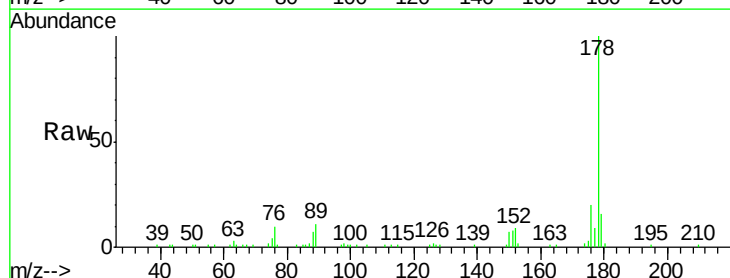
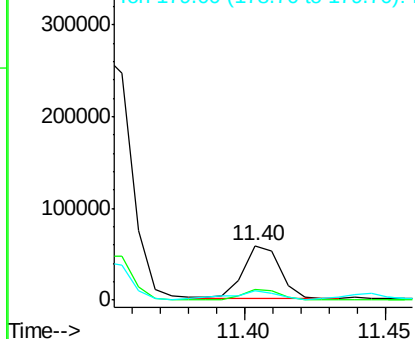
Delta R.T. -0.01 min

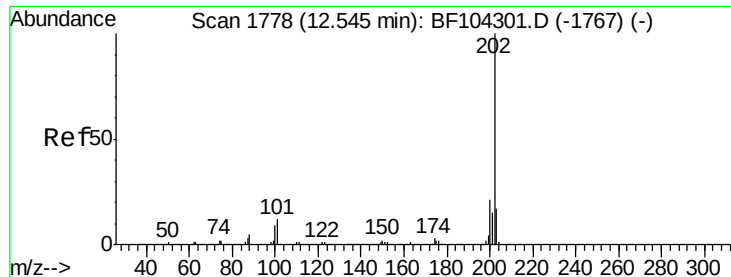
Lab File: BF104859.D

Acq: 27 Apr 2018 3:51

Tgt Ion:178	Resp:	52907
Ion Ratio	Lower	Upper
178	100	
176	19.8	15.4 23.2
179	16.2	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





#74

Fluoranthene

Concen: 21.623 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104859.D

Acq: 27 Apr 2018 3:51

Instrument :

BNA_F

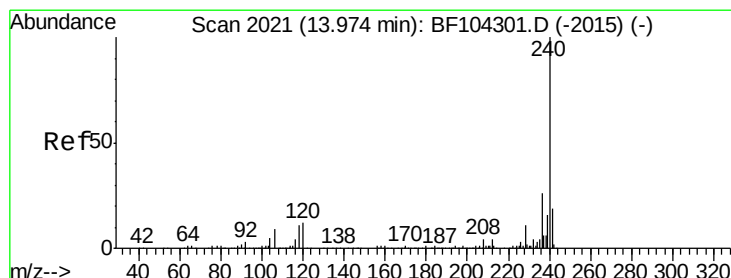
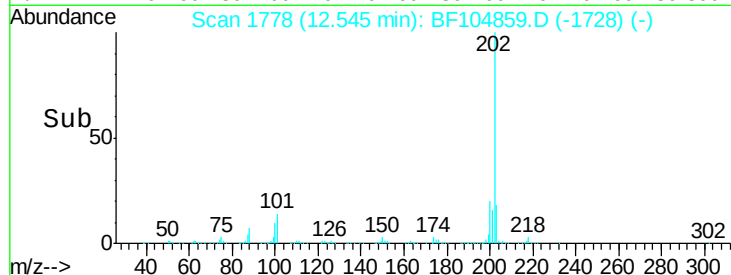
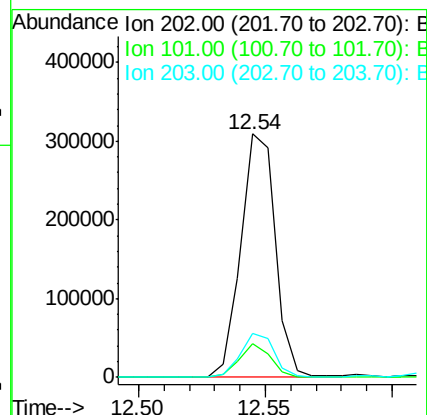
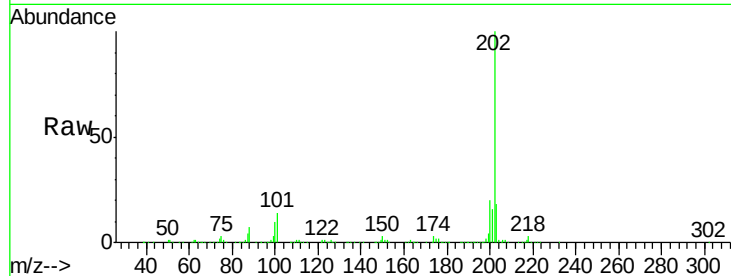
ClientSampleId :

TP-7 4.0-4.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		292935		
101	13.8	0.0	34.1		
203	17.8	0.0	38.1		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

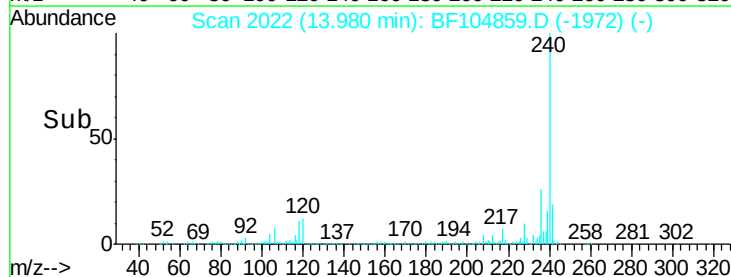
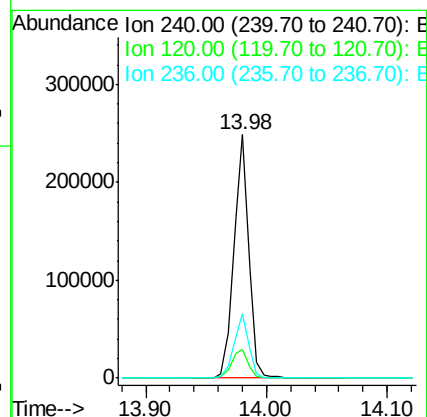
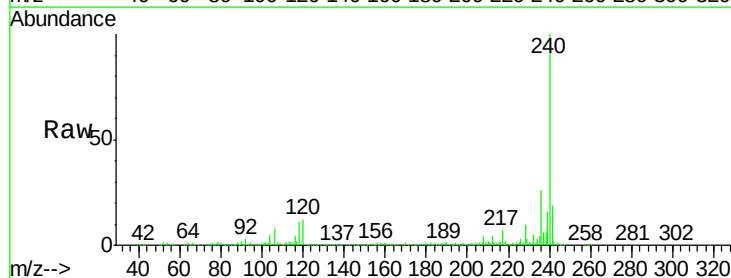
RT: 13.98 min Scan# 2022

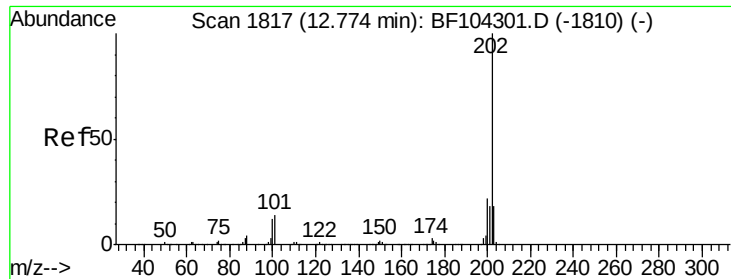
Delta R.T. -0.01 min

Lab File: BF104859.D

Acq: 27 Apr 2018 3:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		211891		
120	11.7	9.5	14.3		
236	26.5	20.7	31.1		





#77

Pvrene

Concen: 16.971 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF104859.D

Acq: 27 Apr 2018 3:51

Instrument :

BNA_F

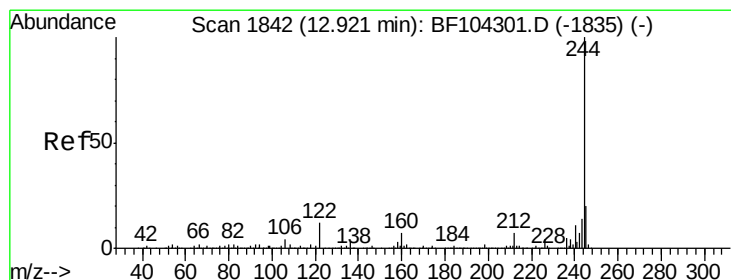
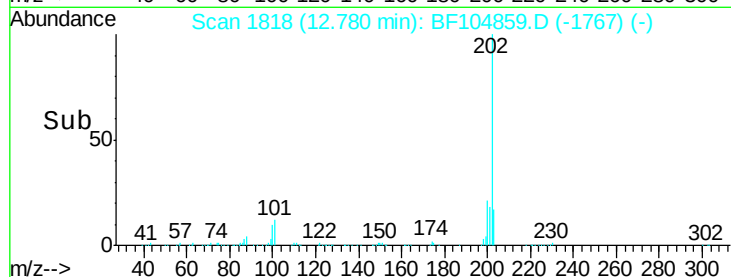
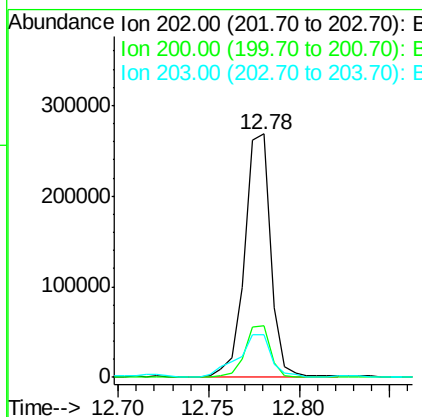
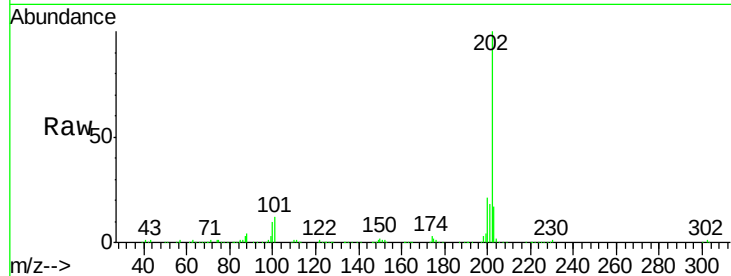
ClientSampleId :

TP-7 4.0-4.5

Tot Ion:	202	Resp:	266548
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.5	14.3	21.5

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#78

Terphenyl-d14

Concen: 50.742 ng

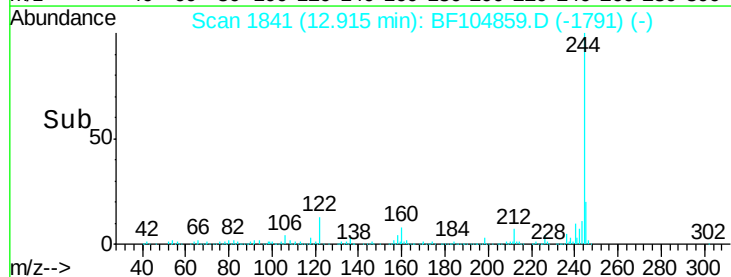
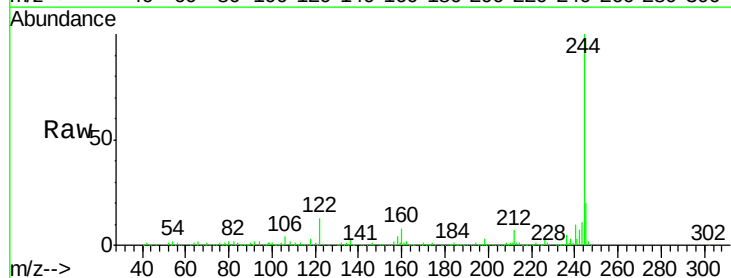
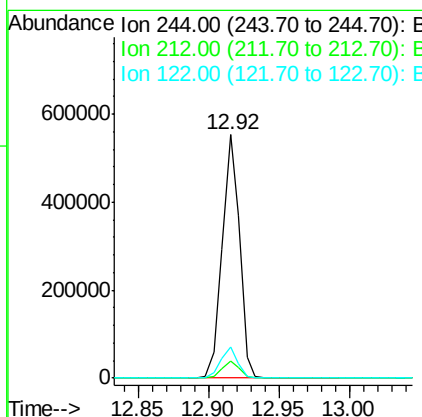
RT: 12.92 min Scan# 1841

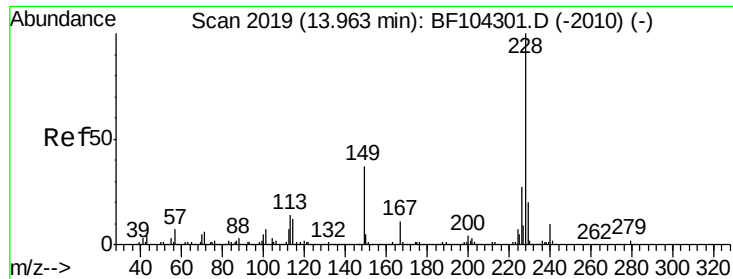
Delta R.T. -0.01 min

Lab File: BF104859.D

Acq: 27 Apr 2018 3:51

Tgt Ion:	244	Resp:	471604
Ion Ratio		Lower	Upper
244	100		
212	6.8	5.4	8.0
122	12.7	11.0	16.4





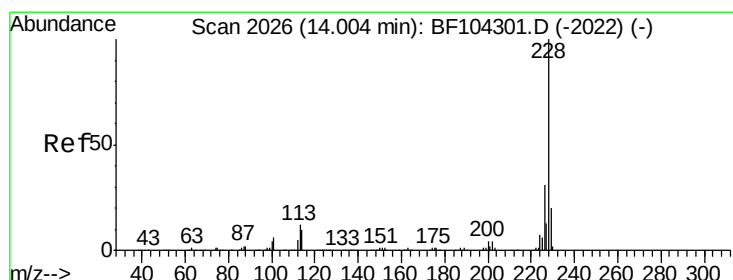
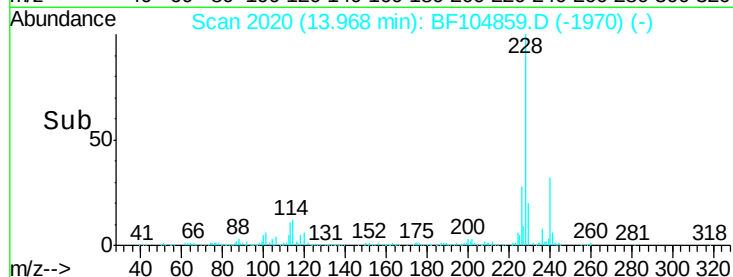
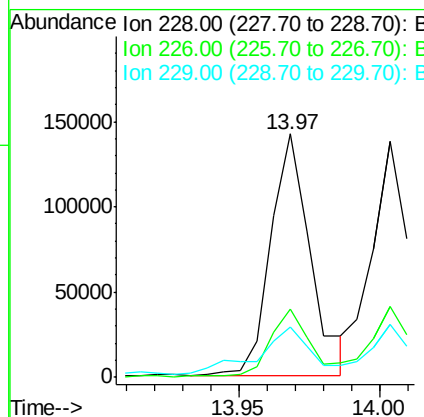
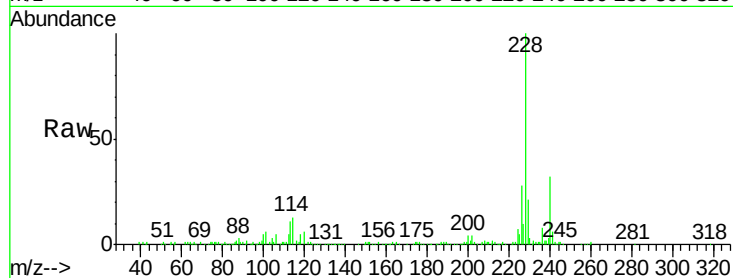
#80
Benzo(a)anthracene
Concen: 10.916 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

Instrument :
BNA_F
ClientSampleId :
TP-7 4.0-4.5

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	20.9	15.8	23.6

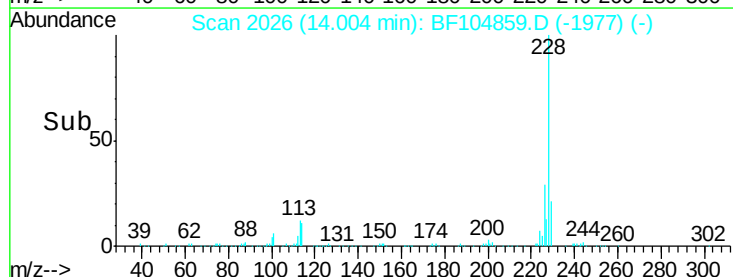
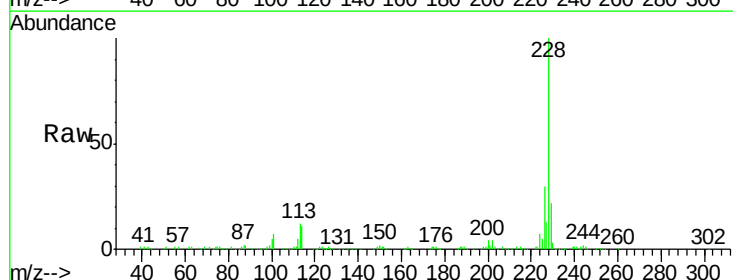
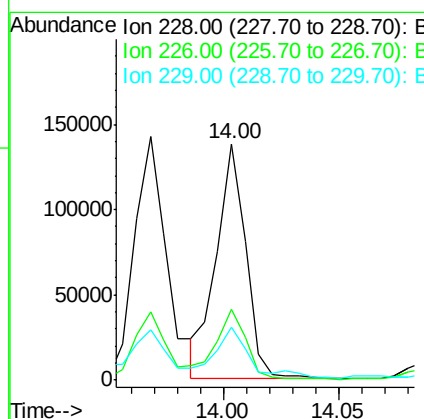
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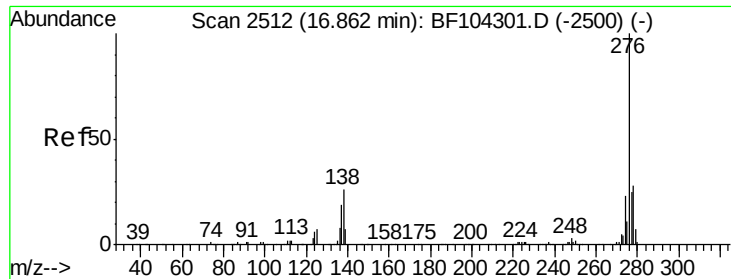
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#82
Chrysene
Concen: 9.427 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	22.4	16.2	24.4





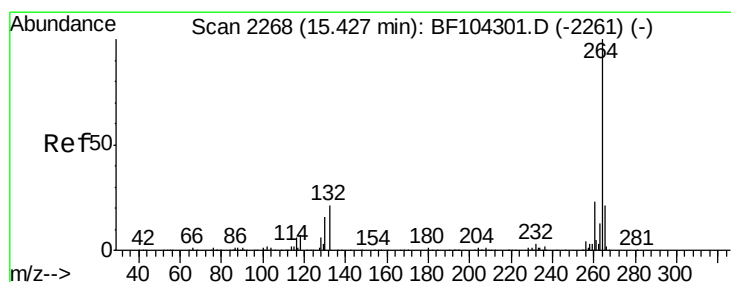
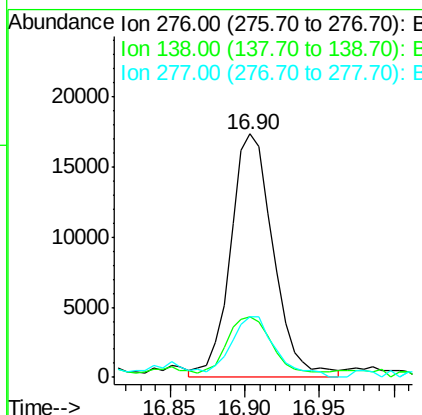
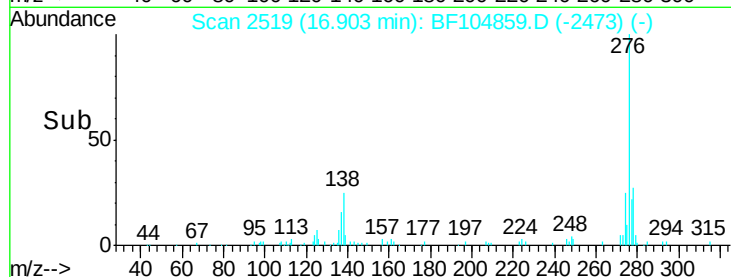
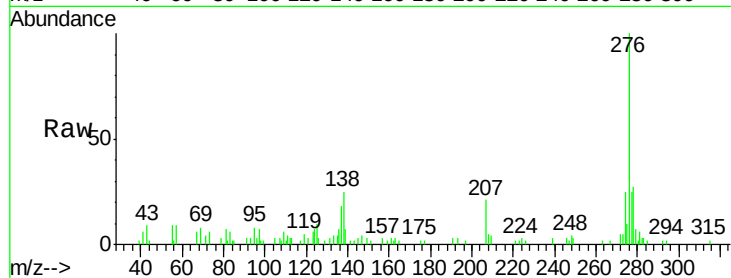
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.153 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.03 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

Instrument :
BNA_F
ClientSampleId :
TP-7 4.0-4.5

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.9	25.0	37.6#
277	25.7	20.1	30.1

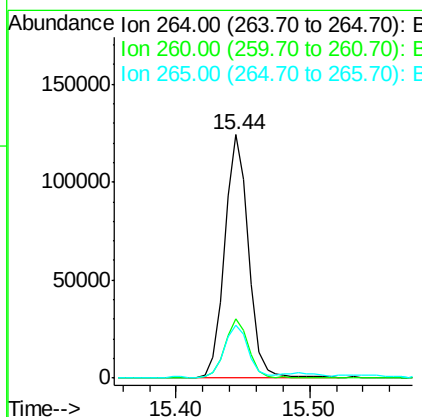
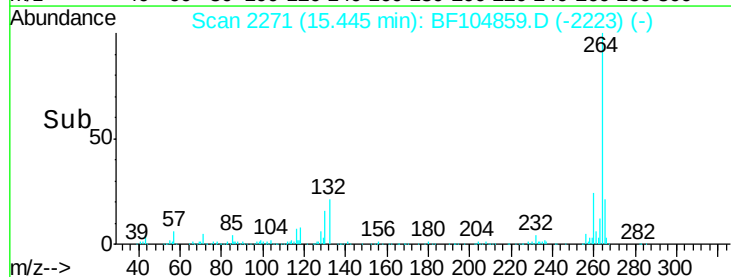
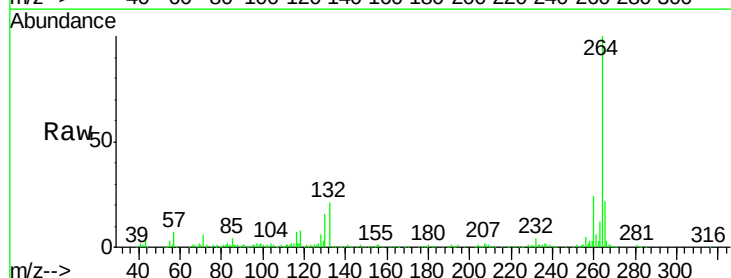
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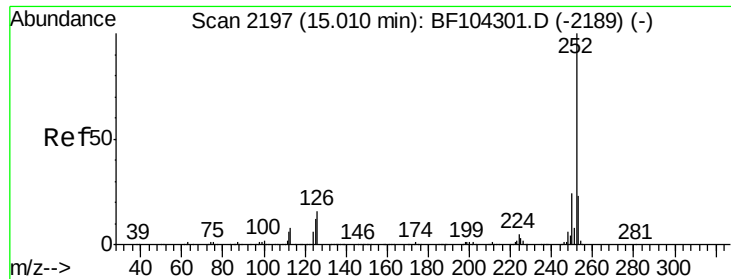
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.7	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 11.374 ng m

RT: 15.02 min Scan# 2199

Delta R.T. -0.02 min

Lab File: BF104859.D

Acq: 27 Apr 2018 3:51

Instrument :

BNA_F

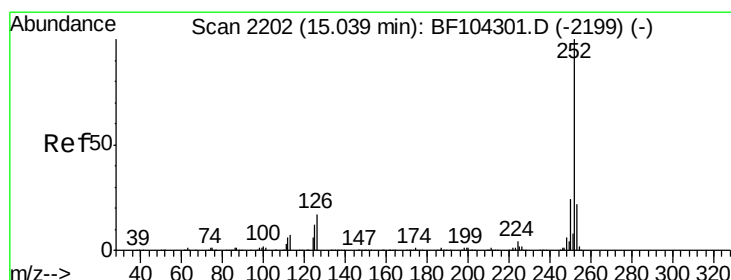
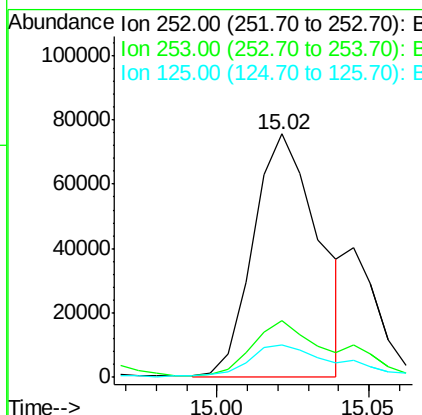
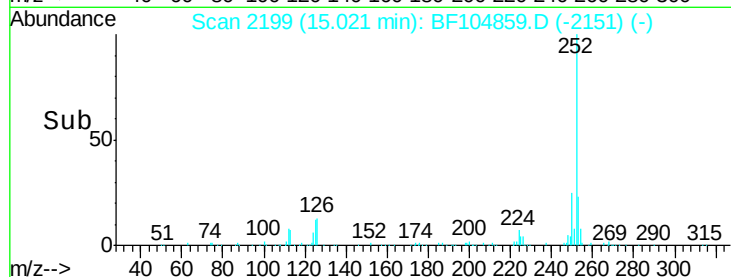
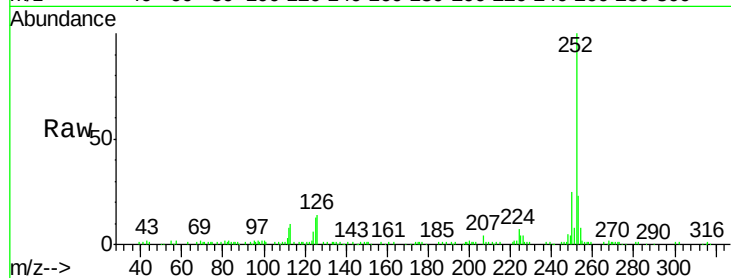
ClientSampled :

TP-7 4.0-4.5

Tot Ion:	252	Resp:	112686
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.0	25.6
125	13.1	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.392 ng m

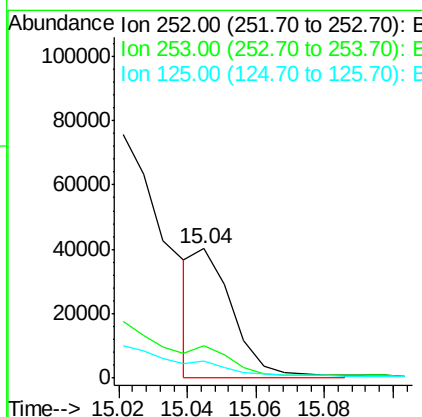
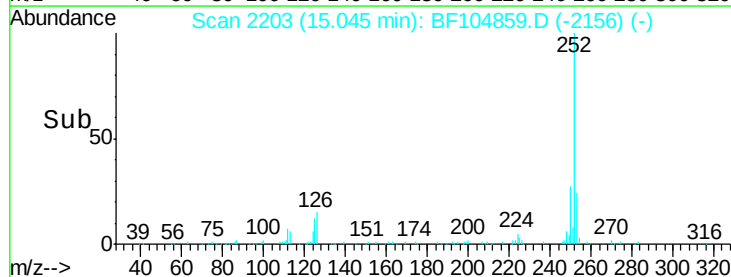
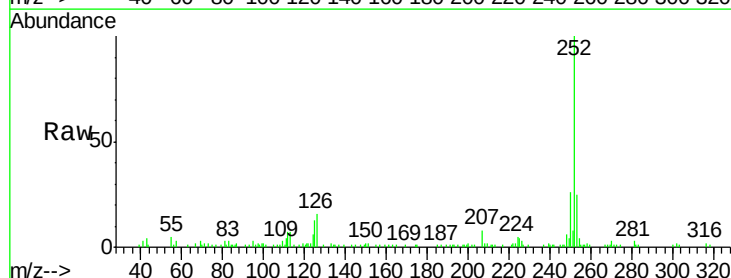
RT: 15.04 min Scan# 2203

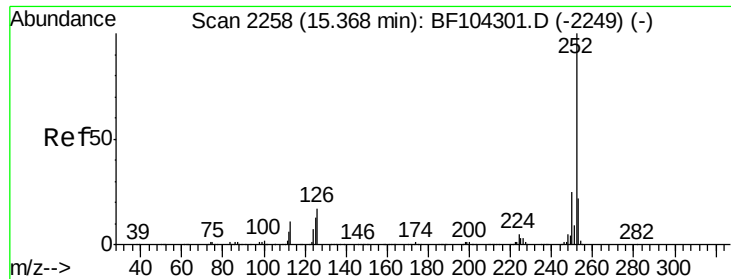
Delta R.T. -0.02 min

Lab File: BF104859.D

Acq: 27 Apr 2018 3:51

Tgt Ion:	252	Resp:	31726
Ion Ratio	Lower	Upper	
252	100		
253	24.8	17.9	26.9
125	13.3	10.2	15.2





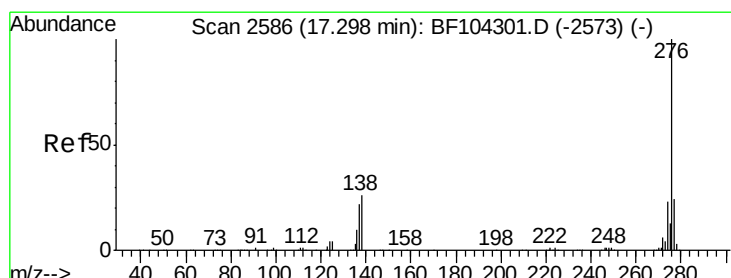
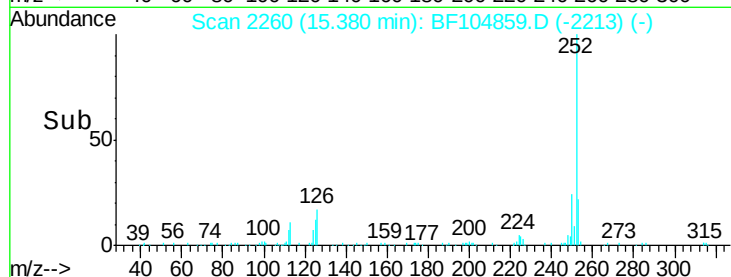
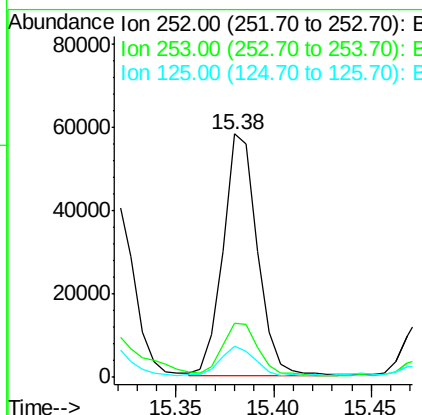
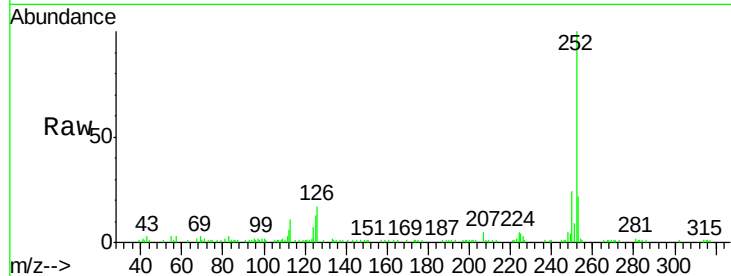
#89
Benzo(a)pyrene
Concen: 8.013 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

Instrument :
BNA_F
ClientSampleId :
TP-7 4.0-4.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	13.0	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.240 ng
RT: 17.35 min Scan# 2595
Delta R.T. -0.03 min
Lab File: BF104859.D
Acq: 27 Apr 2018 3:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	17.9	26.9
138	25.0	21.8	32.8

