

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122817\
 Data File : BF101814.D
 Acq On : 28 Dec 2017 20:33
 Operator : SJ/JU
 Sample : I7006-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TB-07(6-8)

Manual Integrations
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Sohil
 12/29/2017 11:55:29 AM

Quant Time: Dec 29 05:48:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	130638	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	471294	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	172936	20.00	ng	-0.01
63) Phenanthrene-d10	11.31	188	269883	20.00	ng	0.00
75) Chrysene-d12	13.97	240	244805	20.00	ng	0.00
86) Perylene-d12	15.44	264	228565	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	453751	51.74	ng	0.00
7) Phenol-d6	6.43	99	536102	49.12	ng	0.00
23) Nitrobenzene-d5	7.35	82	305797	36.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	71162	42.70	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	441990	39.65	ng	-0.01
78) Terphenyl-d14	12.89	244	322261	31.74	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.09	128	93864	3.956	ng	99
37) 2-Methylnaphthalene	8.78	142	44472	2.877	ng	99
48) Acenaphthylene	9.69	152	81267	4.384	ng	98
49) Dimethylphthalate	9.53	163	63456	4.562	ng	99
51) Acenaphthene	9.85	154	32136	2.886	ng	97
54) Dibenzofuran	10.03	168	45257	3.198	ng	# 97
57) Fluorene	10.37	166	81387	6.798	ng	98
70) Phenanthrene	11.34	178	631568	42.080	ng	99
71) Anthracene	11.39	178	214976	14.022	ng	99
72) Carbazole	11.56	167	52939	3.688	ng	97
74) Fluoranthene	12.53	202	919617	58.375	ng	99
77) Pvrene	12.77	202	832629	45.319	ng	98
79) Butylbenzylphthalate	13.36	149	19903	2.394	ng	# 85
80) Benzo(a)anthracene	13.96	228	448563	27.749	ng	99
82) Chrysene	14.00	228	397173	26.023	ng	96
83) Bis(2-ethylhexyl)phthalate	13.92	149	161436	15.332	ng	98
85) Indeno(1,2,3-cd)pyrene	16.93	276	218347	16.065	ng	# 87
87) Benzo(b)fluoranthene	15.02	252	444838m	31.930	ng	
88) Benzo(k)fluoranthene	15.04	252	169422m	12.508	ng	
89) Benzo(a)pyrene	15.39	252	344553	26.828	ng	# 94
90) Dibenz(a,h)anthracene	16.92	278	46197	4.190	ng	# 72
91) Benzo(g,h,i)perylene	17.39	276	195981	17.949	ng	96

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

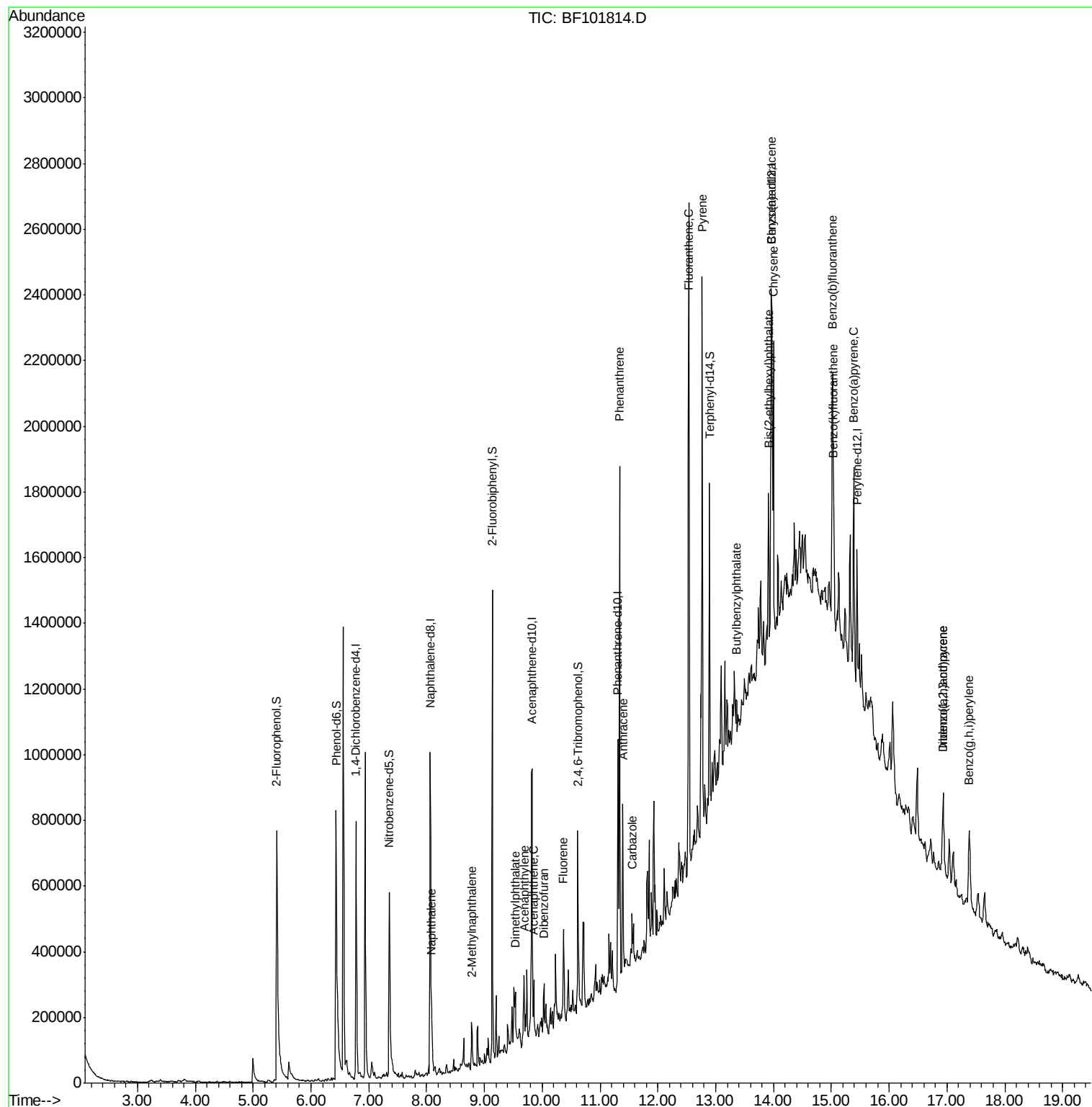
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Quant Time: Dec 29 05:48:45 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

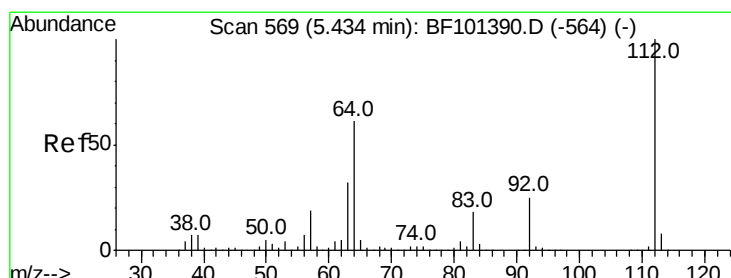
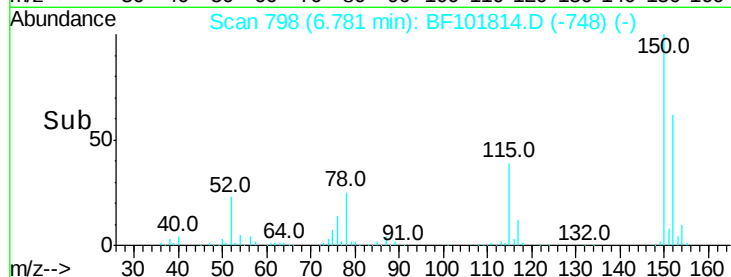
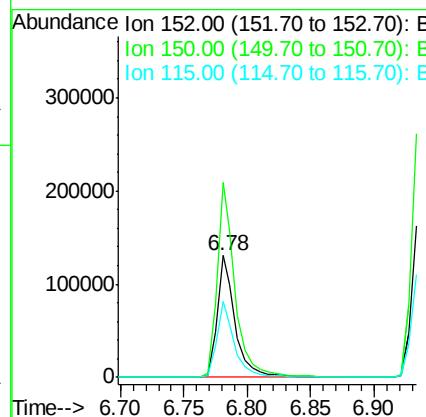
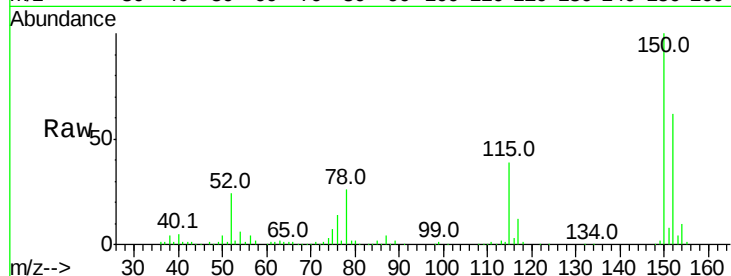
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF101814.D
Acq: 28 Dec 2017 20:33

Instrument :
BNA_F
ClientSampleId :
TB-07(6-8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	124.6	186.8
115	62.2	50.1	75.1

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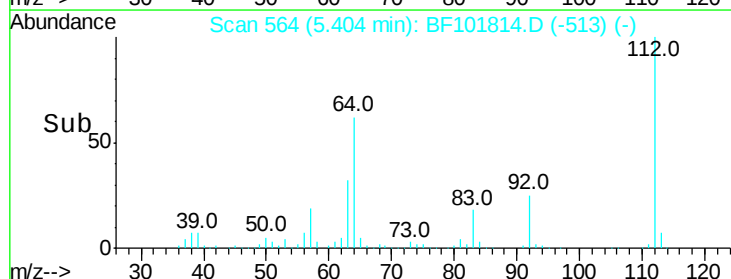
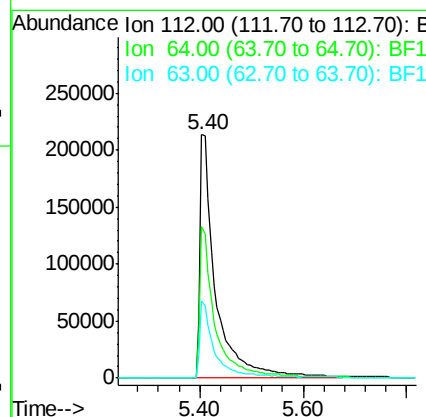
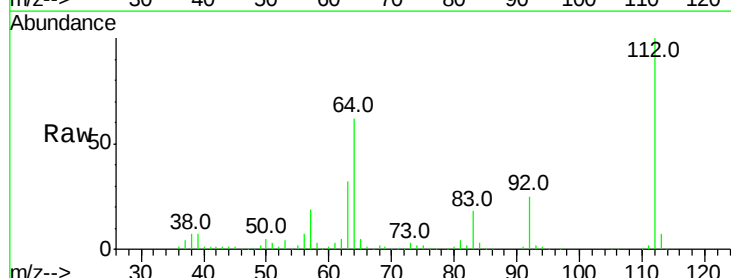
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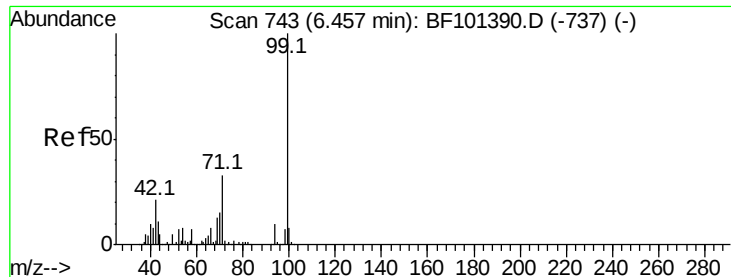


#5

2-Fluorophenol
Concen: 51.738 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF101814.D
Acq: 28 Dec 2017 20:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	47.9	71.9
63	31.9	23.7	35.5





#7

Phenol-d6

Concen: 49.117 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF101814.D

Acq: 28 Dec 2017 20:33

Instrument :

BNA_F

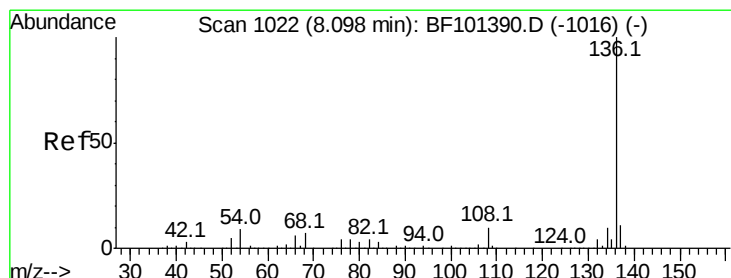
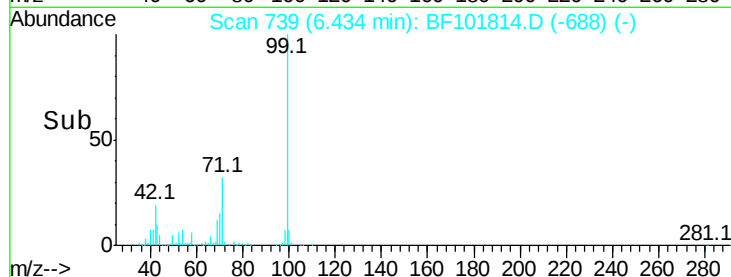
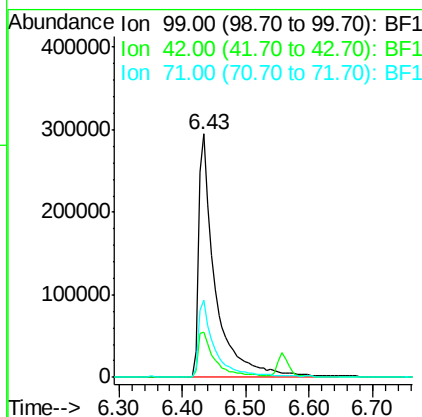
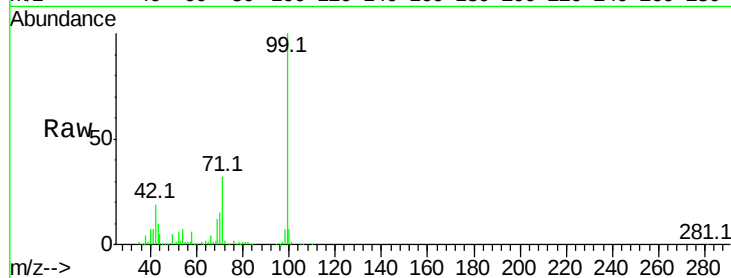
ClientSampleId :

TB-07(6-8)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		536102		
42	18.8	14.5	21.7		
71	31.6	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

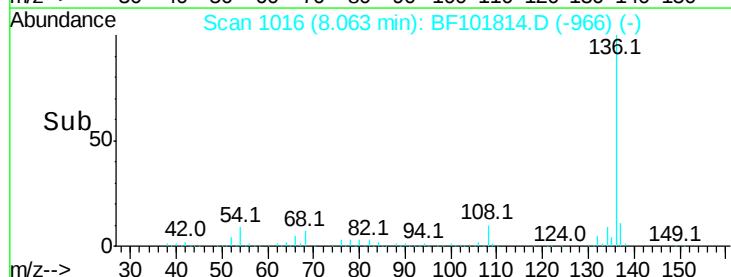
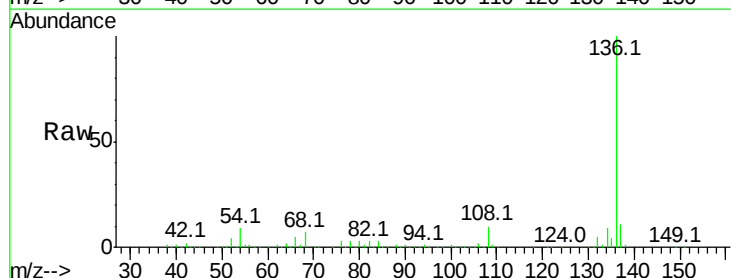
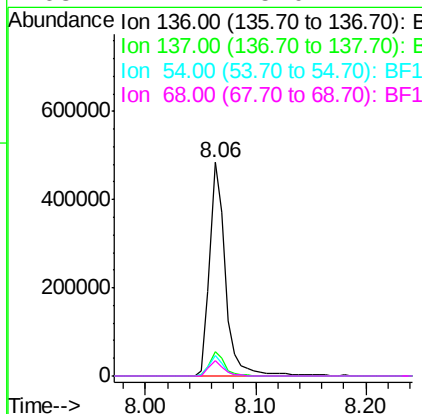
RT: 8.06 min Scan# 1016

Delta R.T. -0.01 min

Lab File: BF101814.D

Acq: 28 Dec 2017 20:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		471294		
137	11.2	8.9	13.3		
54	9.3	6.6	9.8		
68	7.1	5.0	7.4		





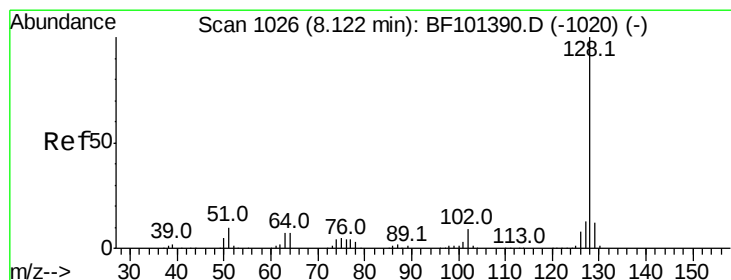
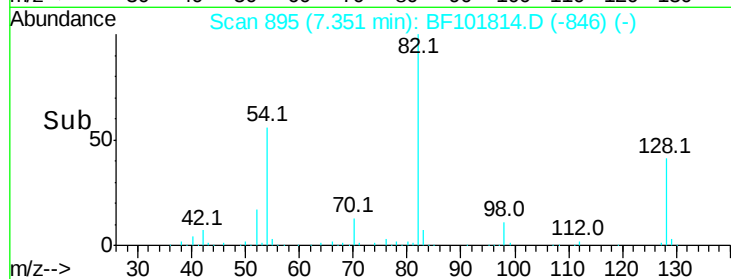
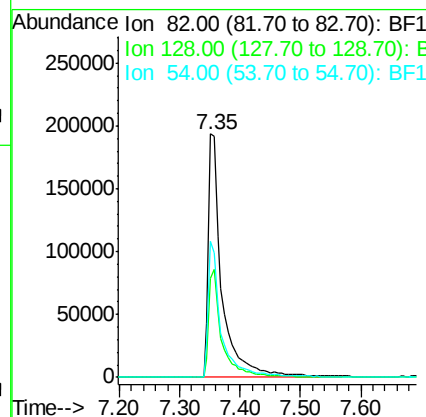
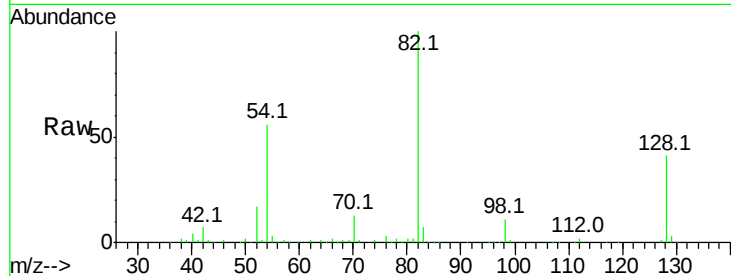
#23
 Nitrobenzene-d5
 Concen: 36.118 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.01 min
 Lab File: BF101814.D
 Acq: 28 Dec 2017 20:33

Instrument :
 BNA_F
 ClientSampleId :
 TB-07(6-8)

Tot Ion	Ratio	Lower	Upper
82	100		
128	40.8	36.1	54.1
54	55.8	41.4	62.2

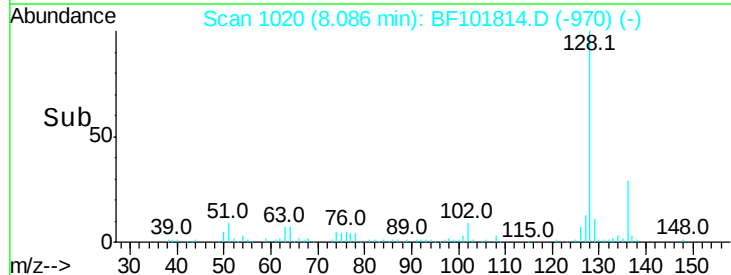
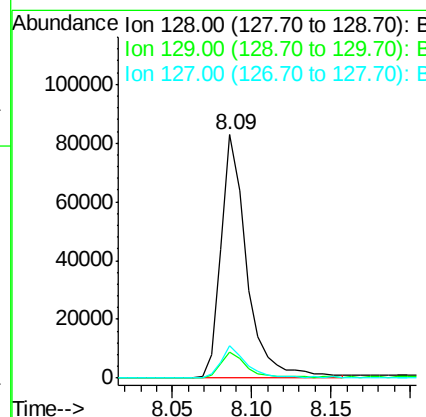
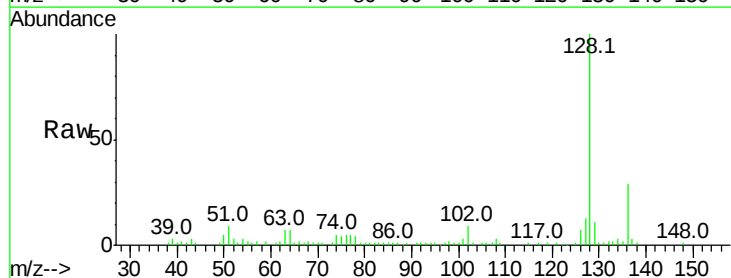
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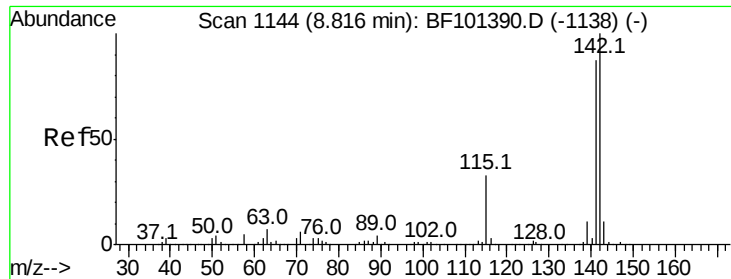
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#31
 Naphthalene
 Concen: 3.956 ng
 RT: 8.09 min Scan# 1020
 Delta R.T. -0.01 min
 Lab File: BF101814.D
 Acq: 28 Dec 2017 20:33

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.2	10.9	16.3





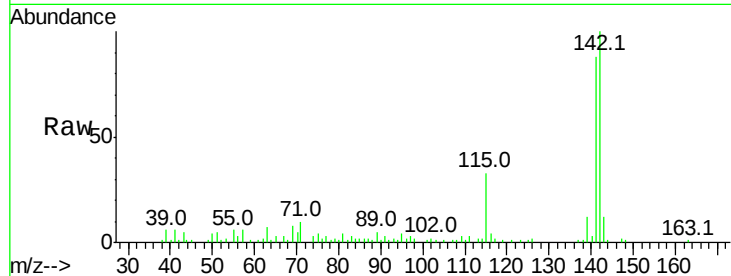
#37
2-Methylnaphthalene
Concen: 2.877 ng
RT: 8.78 min Scan# 1138
Delta R.T. -0.00 min
Lab File: BF101814.D
Acq: 28 Dec 2017 20:33

Instrument :
BNA_F
ClientSampleId :
TB-07(6-8)

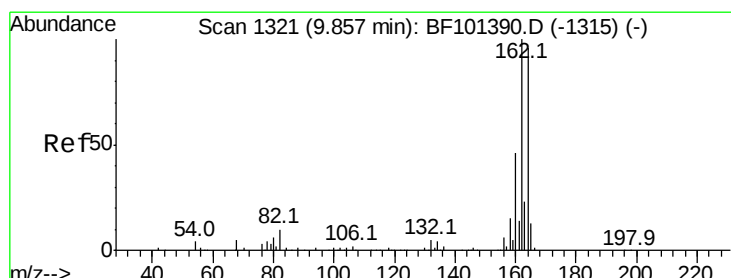
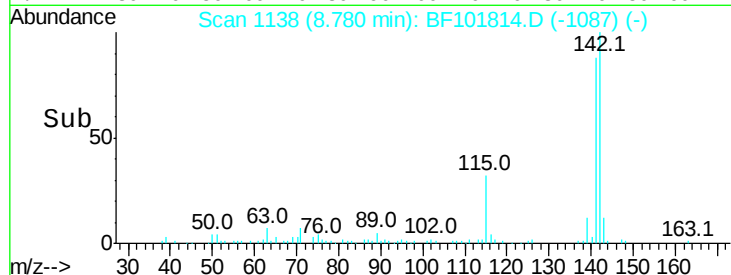
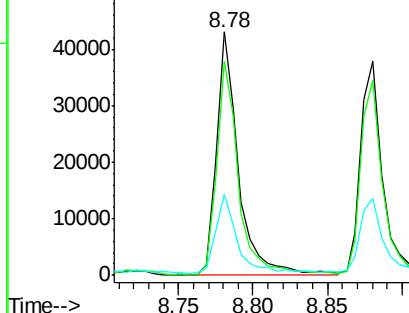
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.8	106.2
115	33.3	26.1	39.1

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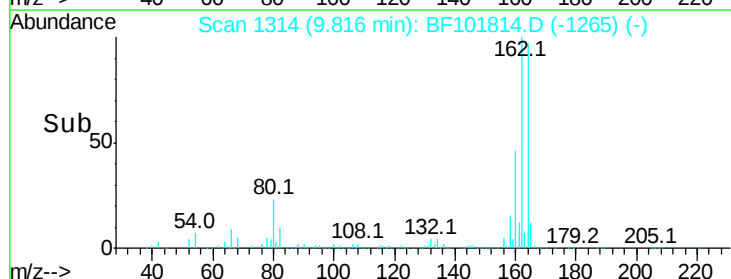
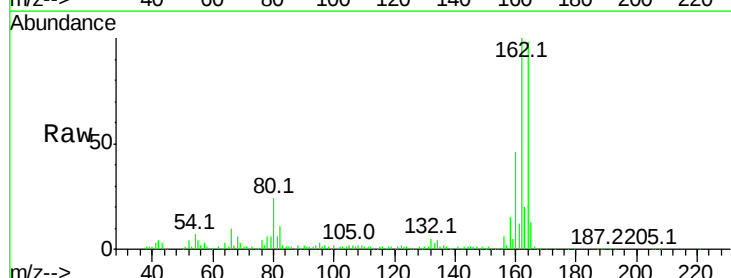
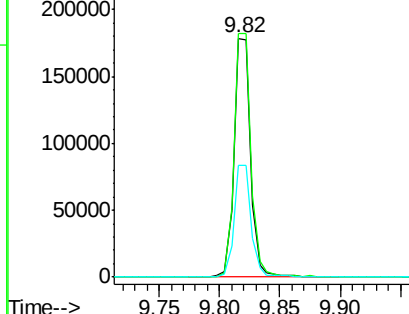
Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF101814.D
Acq: 28 Dec 2017 20:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	86.1	129.1
160	47.0	38.3	57.5

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: 42.705 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.00 min

Lab File: BF101814.D

Acq: 28 Dec 2017 20:33

Instrument :

BNA_F

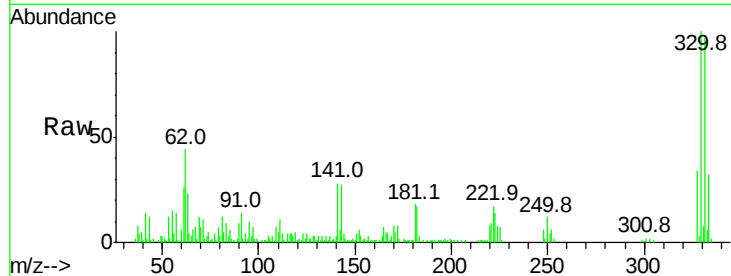
ClientSampleId :

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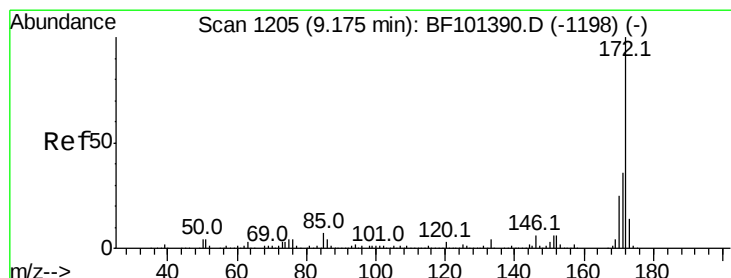
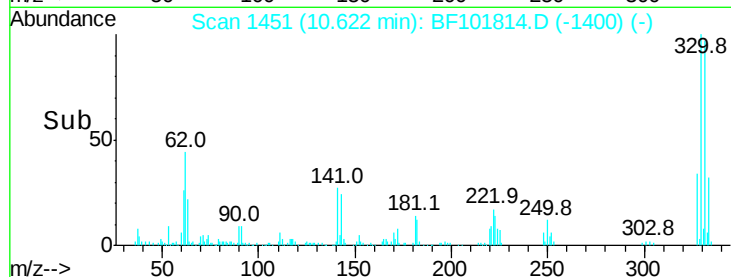
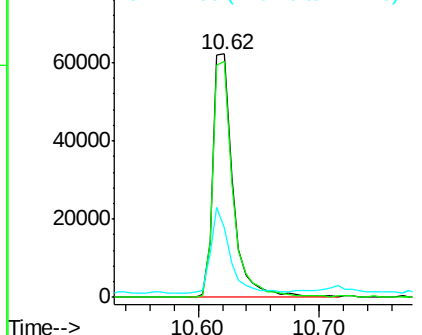
Tot Ion:	330	Resp:	71162
Ion Ratio	Lower	Upper	
330	100		
332	96.8	77.0	115.6
141	34.1	29.9	44.9

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 39.647 ng

RT: 9.13 min Scan# 1198

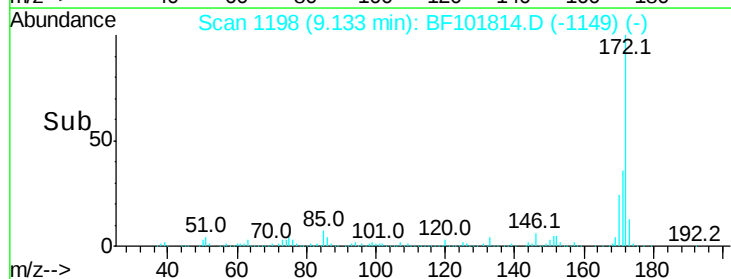
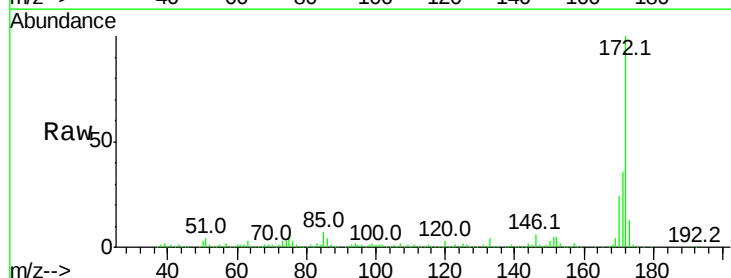
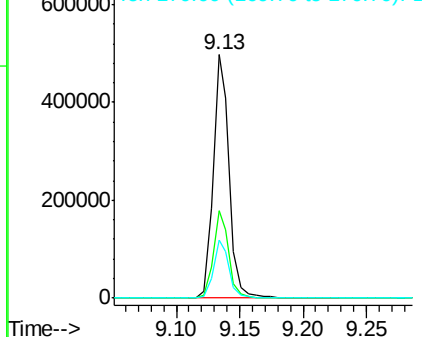
Delta R.T. -0.01 min

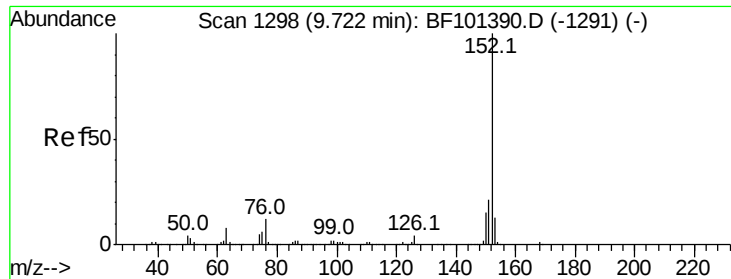
Lab File: BF101814.D

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Tgt Ion:	172	Resp:	441990
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.7	44.5
170	23.7	19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





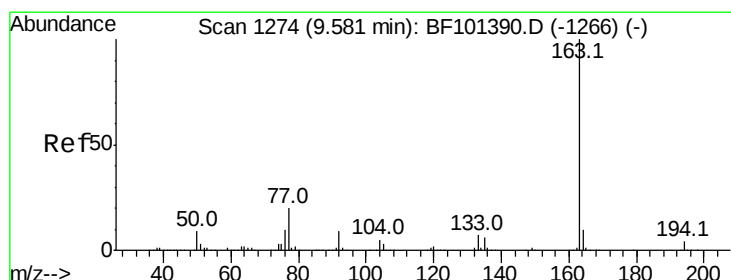
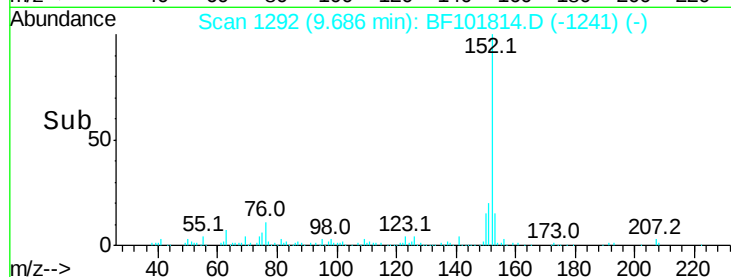
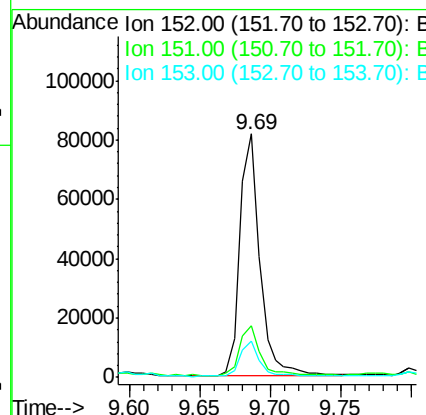
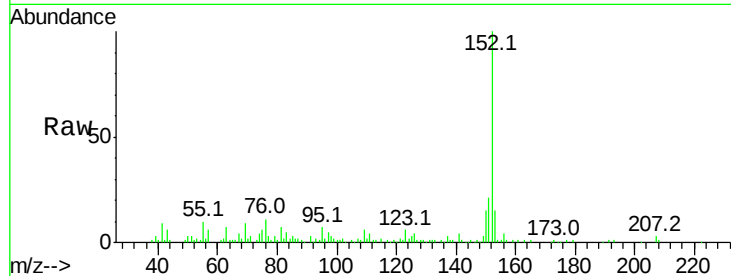
#48
Acenaphthylene
Concen: 4.384 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.00 min
Lab File: BF101814.D
Acq: 28 Dec 2017 20:33

Instrument :
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ClientSampleId :
TB-07(6-8)

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.3	24.5
153	14.9	10.7	16.1

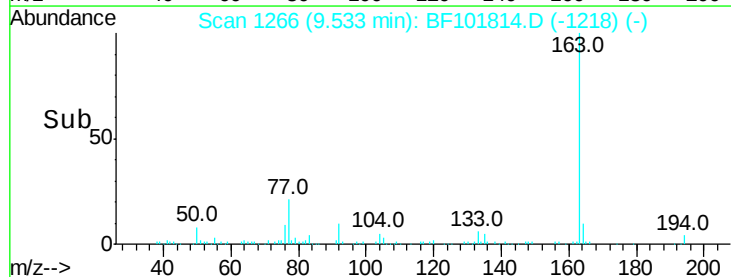
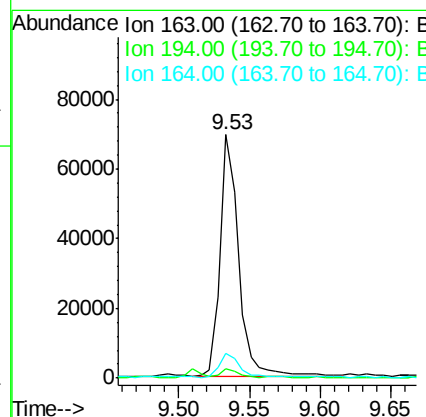
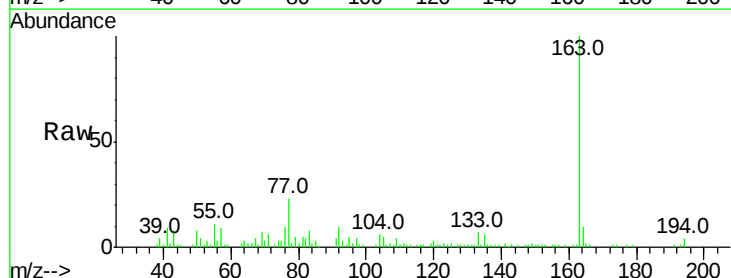
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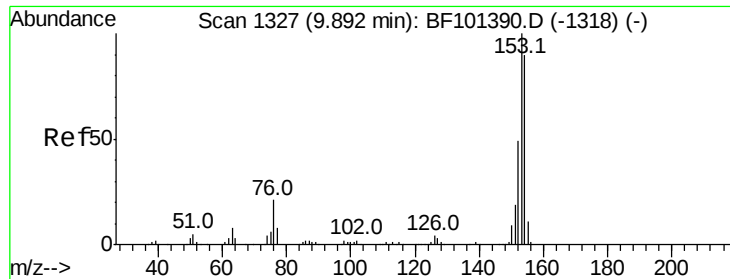
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#49
Dimethylphthalate
Concen: 4.562 ng
RT: 9.53 min Scan# 1266
Delta R.T. -0.02 min
Lab File: BF101814.D
Acq: 28 Dec 2017 20:33

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	10.3	8.2	12.2





#51

Acenaphthene

Concen: 2.886 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF101814.D

Acq: 28 Dec 2017 20:33

Instrument :

BNA_F

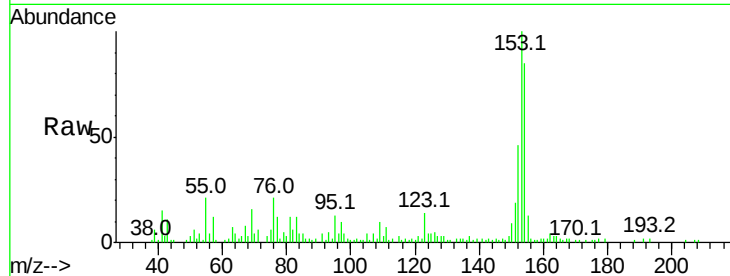
ClientSampleId :

TB-07(6-8)

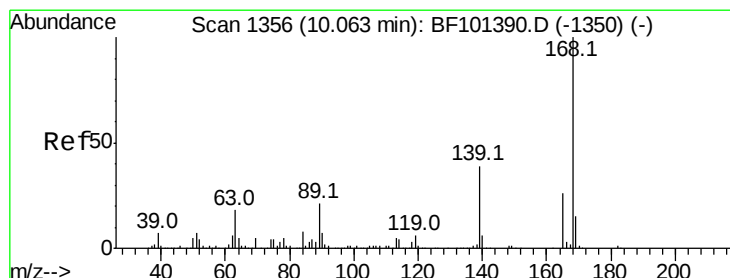
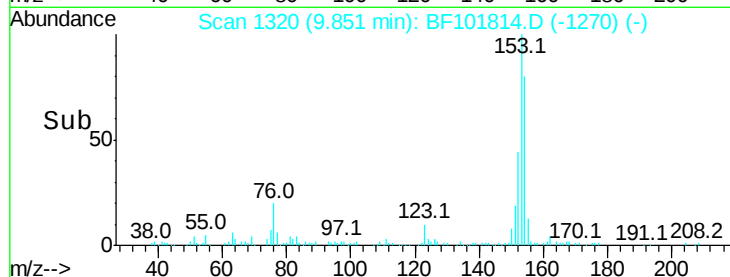
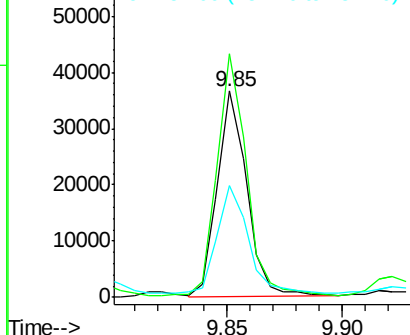
Tot Ion:	154	Resp:	32136
Ion Ratio	Lower	Upper	
154	100		
153	118.2	91.2	136.8
152	54.4	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.198 ng

RT: 10.03 min Scan# 1350

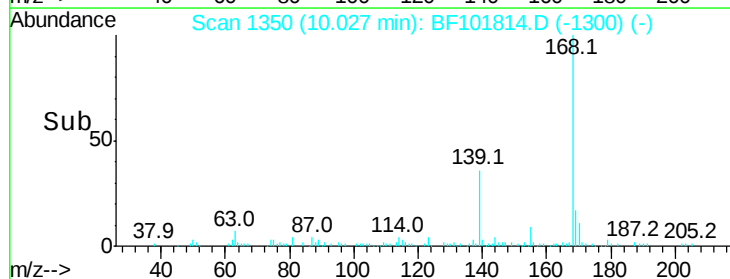
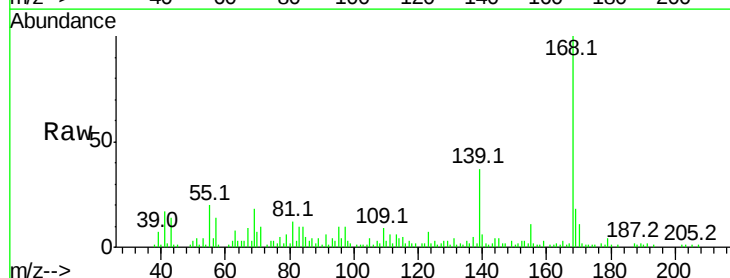
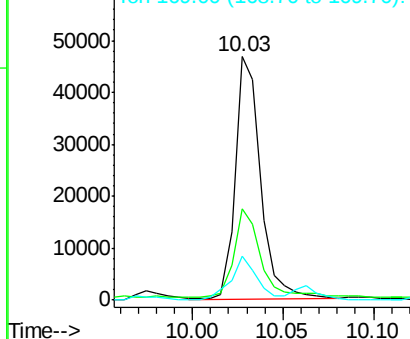
Delta R.T. -0.01 min

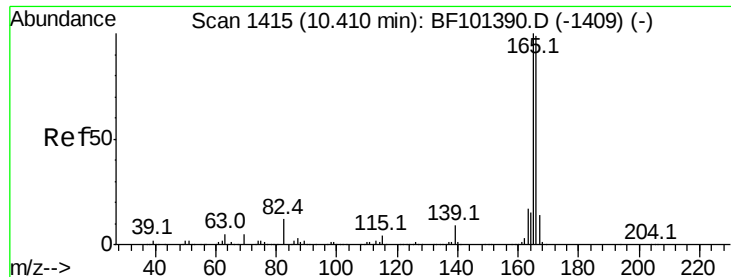
Lab File: BF101814.D

Acq: 28 Dec 2017 20:33

Tgt Ion:	168	Resp:	45257
Ion Ratio	Lower	Upper	
168	100		
139	37.4	30.1	45.1
169	18.1	10.9	16.3#

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





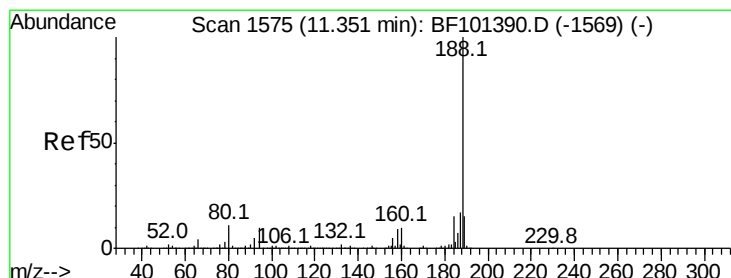
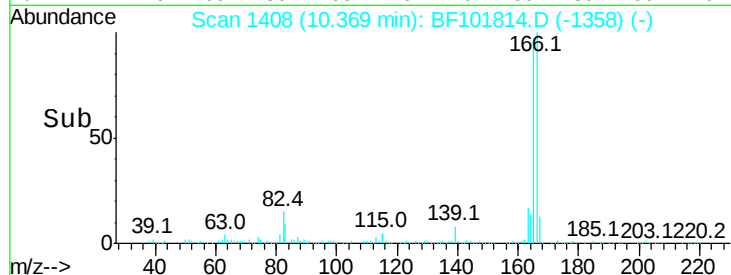
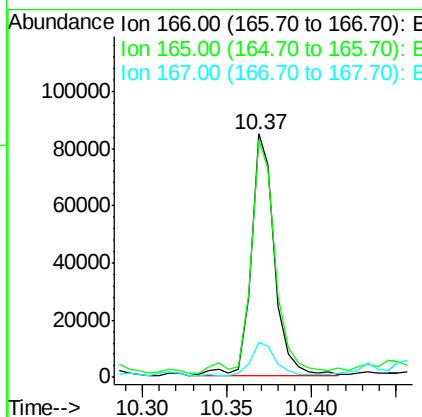
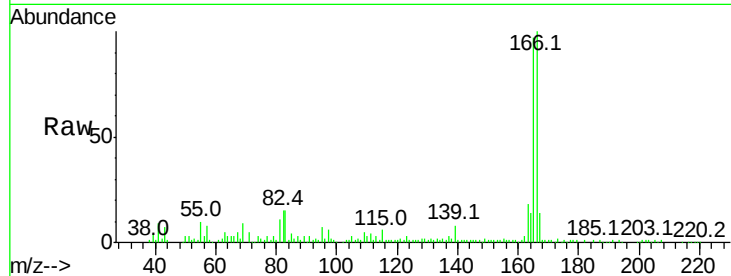
#57
Fluorene
 Concen: 6.798 ng
 RT: 10.37 min Scan# 1408
 Delta R.T. -0.01 min
 Lab File: BF101814.D
 Acq: 28 Dec 2017 20:33

Instrument :
 BNA_F
 ClientSampled :
 TB-07(6-8)

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.5	79.8	119.8
167	14.2	10.6	16.0

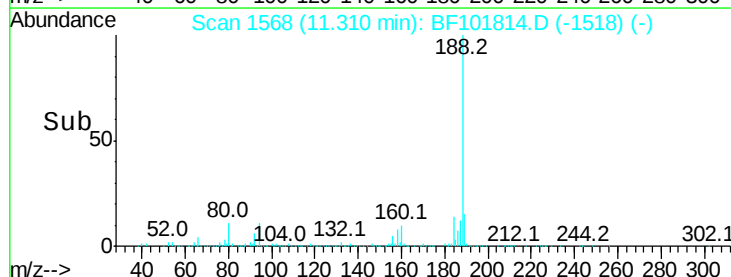
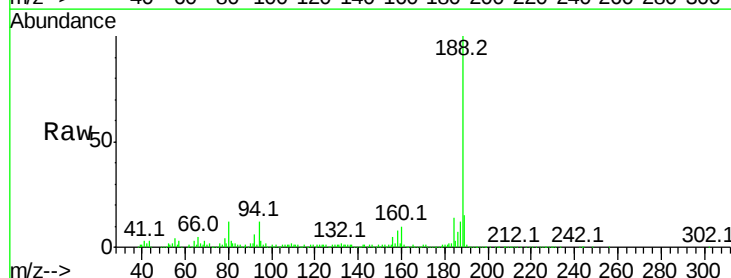
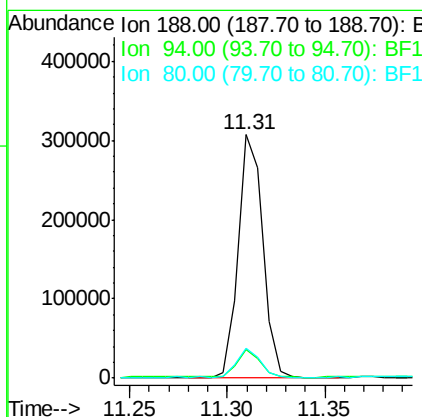
Manual Integrations
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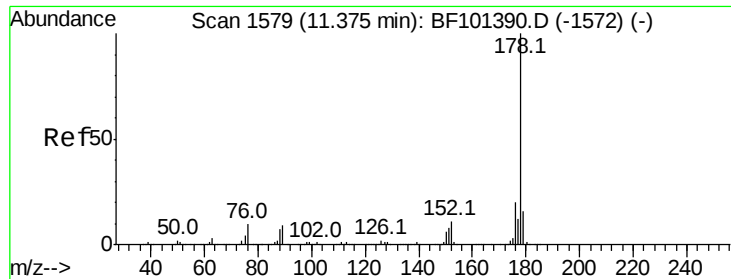
Sohil
 12/29/2017 11:55:29 AM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: BF101814.D
 Acq: 28 Dec 2017 20:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.7	8.5	12.7
80	12.0	9.2	13.8





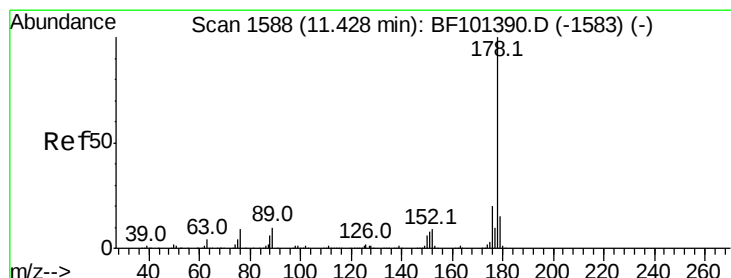
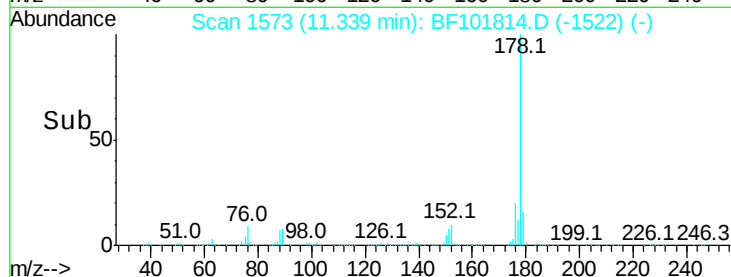
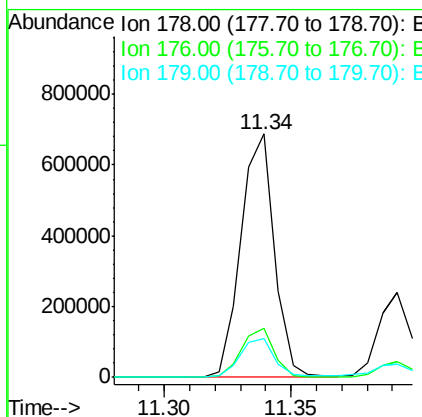
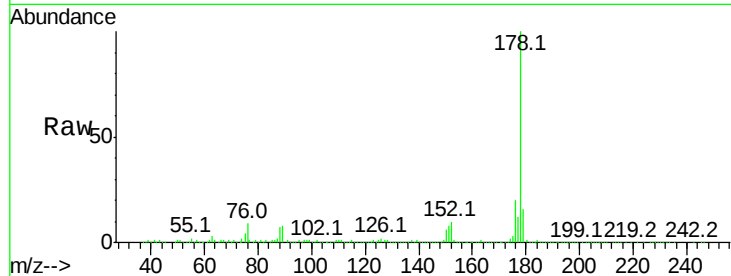
#70
Phenanthrene
Concen: 42.080 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF101814.D
Acq: 28 Dec 2017 20:33

Instrument :
BNA_F
ClientSampleId :
TB-07(6-8)

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	15.8	13.0	19.6

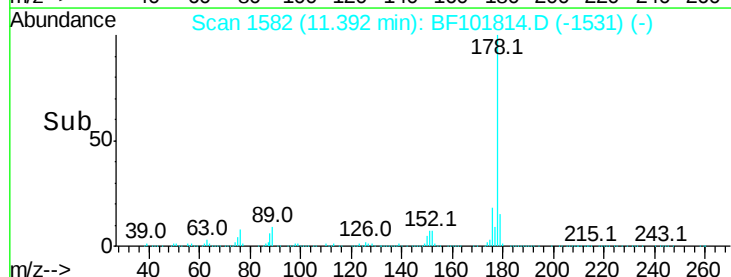
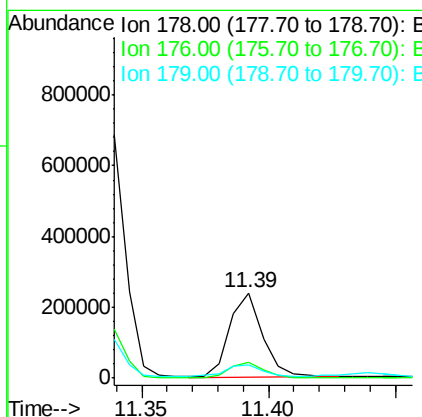
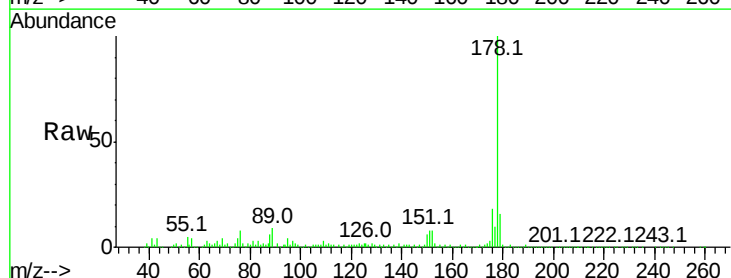
Manual Integrations
APPROVED

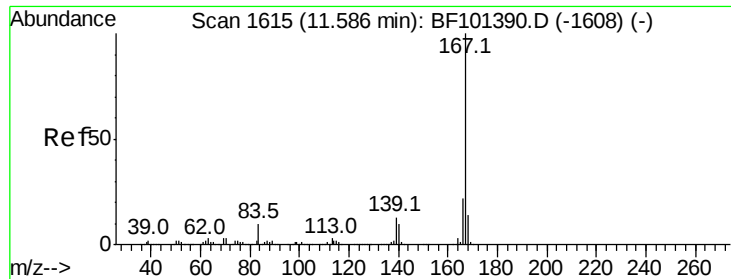
Sohil
12/29/2017 11:55:29 AM



#71
Anthracene
Concen: 14.022 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.00 min
Lab File: BF101814.D
Acq: 28 Dec 2017 20:33

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	15.9	12.6	19.0





#72

Carbazole

Concen: 3.688 ng

RT: 11.56 min Scan# 1610

Delta R.T. -0.00 min

Lab File: BF101814.D

Acq: 28 Dec 2017 20:33

Instrument :

BNA_F

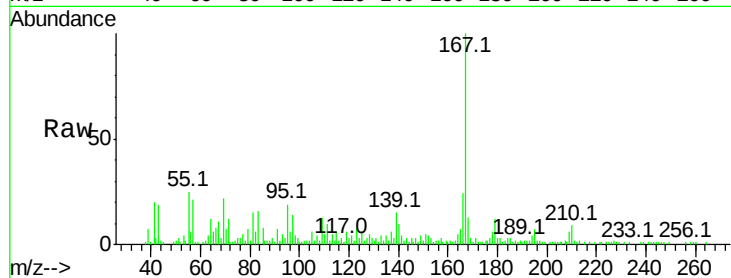
ClientSampleId :

TB-07(6-8)

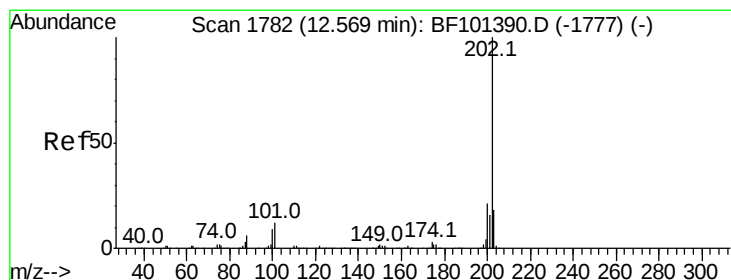
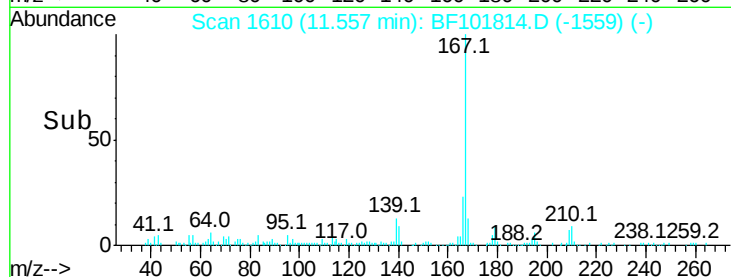
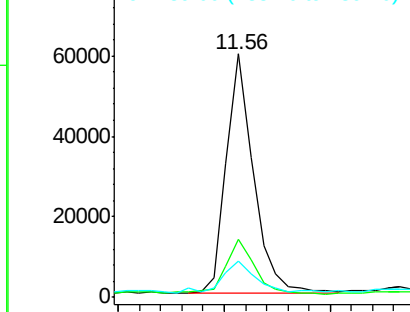
Tot Ion:	167	Resp:	52939
Ion Ratio	Lower	Upper	
167	100		
166	23.7	17.6	26.4
139	15.0	10.9	16.3

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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 58.375 ng

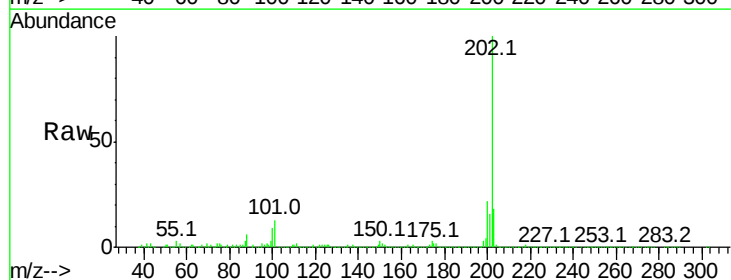
RT: 12.53 min Scan# 1776

Delta R.T. -0.00 min

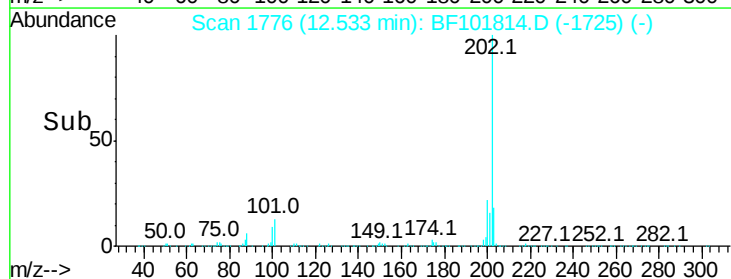
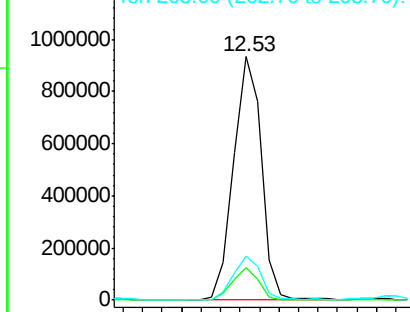
Lab File: BF101814.D

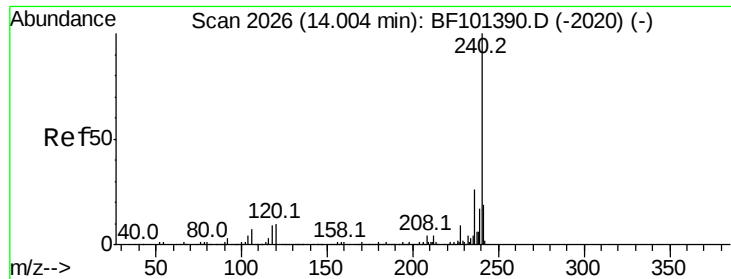
Acq: 28 Dec 2017 20:33

Tgt Ion:	202	Resp:	919617
Ion Ratio	Lower	Upper	
202	100		
101	13.1	0.0	34.1
203	18.1	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BF101814.D

Acq: 28 Dec 2017 20:33

Instrument :

BNA_F

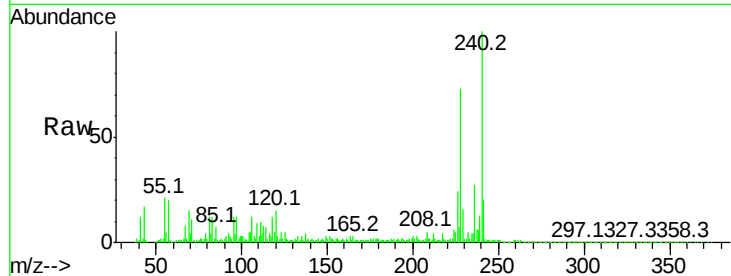
ClientSampleId :

TB-07(6-8)

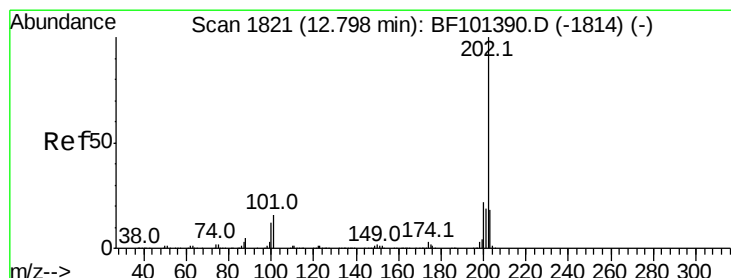
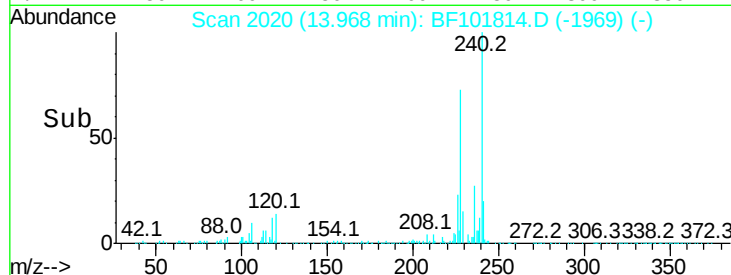
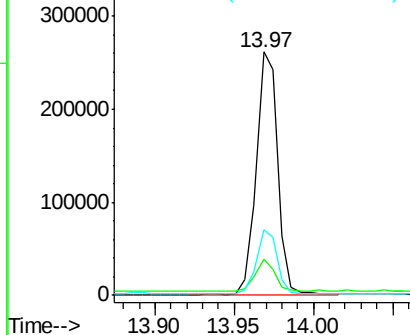
Tot Ion:	240	Resp:	244805
Ion Ratio	Lower	Upper	
240	100		
120	14.9	9.5	14.3#
236	27.2	20.7	31.1

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Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 45.319 ng

RT: 12.77 min Scan# 1816

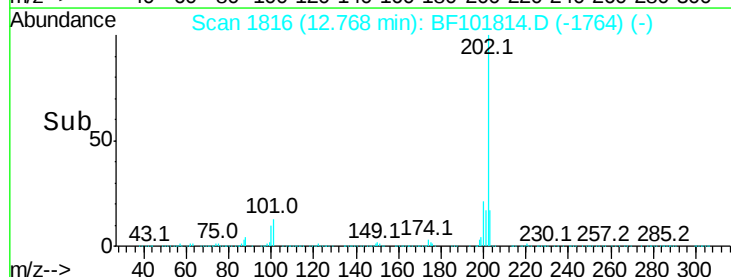
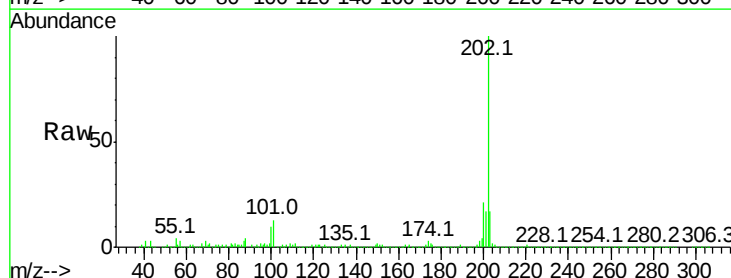
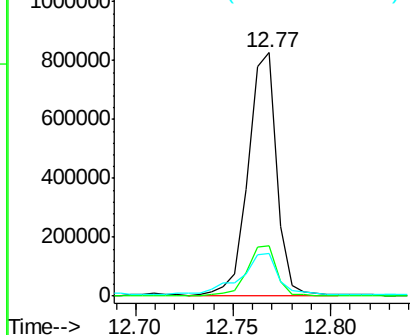
Delta R.T. 0.01 min

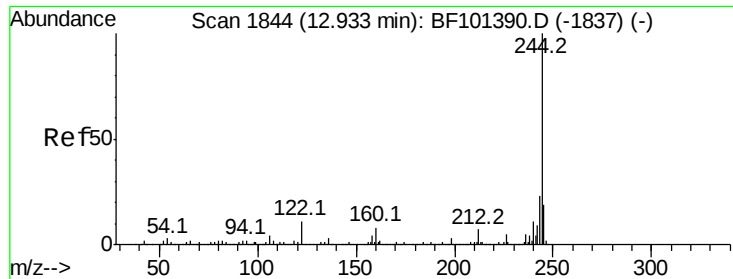
Lab File: BF101814.D

Acq: 28 Dec 2017 20:33

Tgt Ion:	202	Resp:	832629
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	17.5	14.3	21.5

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





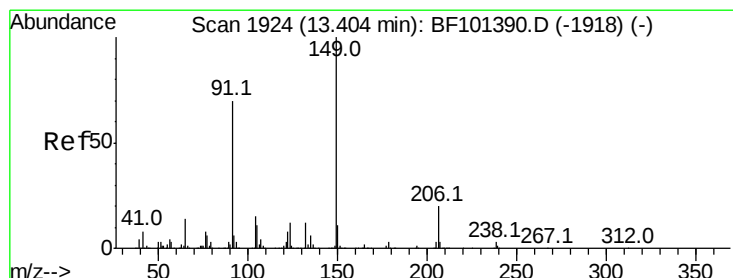
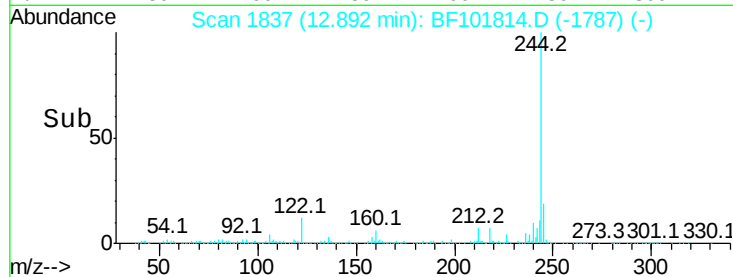
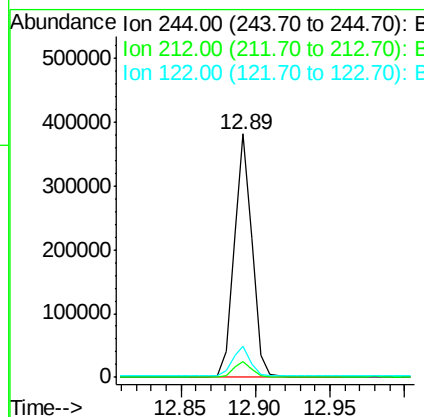
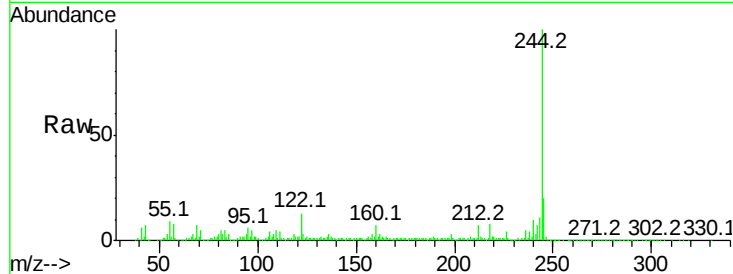
#78
 Terphenyl-d14
 Concen: 31.735 ng
 RT: 12.89 min Scan# 1837
 Delta R.T. -0.01 min
 Lab File: BF101814.D
 Acq: 28 Dec 2017 20:33

Instrument :
 BNA_F
 ClientSampleID :
 TB-07(6-8)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	12.8	11.0	16.4

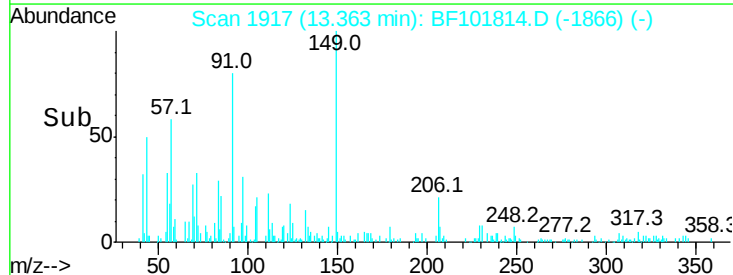
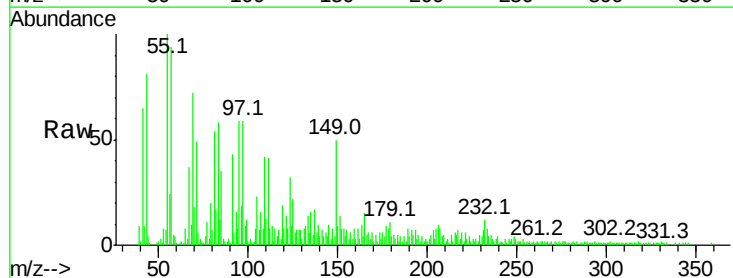
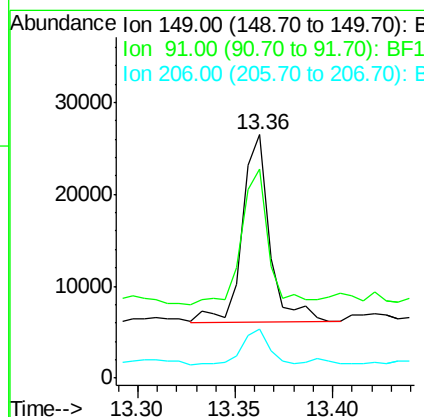
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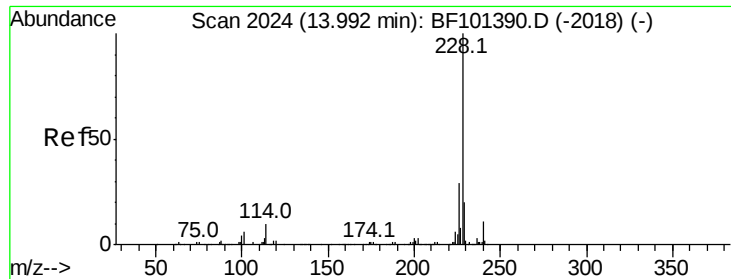
Sohil
 12/29/2017 11:55:29 AM



#79
 Butylbenzylphthalate
 Concen: 2.394 ng
 RT: 13.36 min Scan# 1917
 Delta R.T. -0.00 min
 Lab File: BF101814.D
 Acq: 28 Dec 2017 20:33

Tgt Ion	Ratio	Lower	Upper
149	100		
91	85.8	56.8	85.2#
206	20.1	14.1	21.1





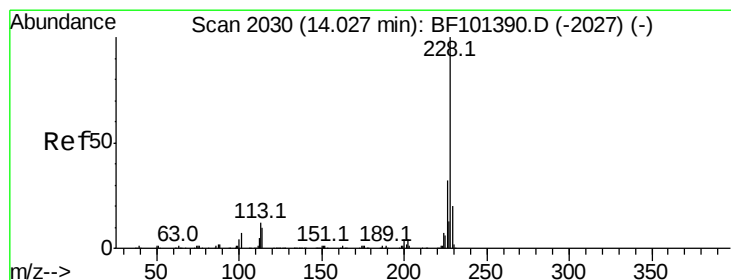
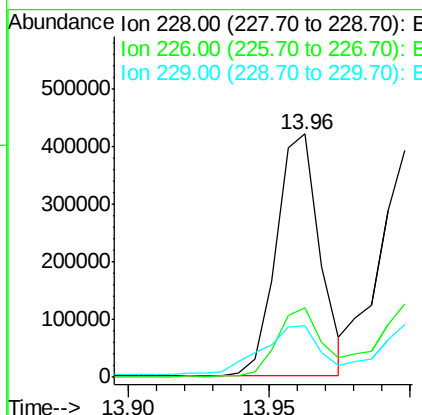
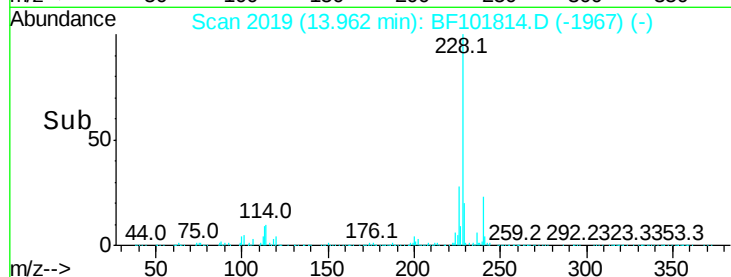
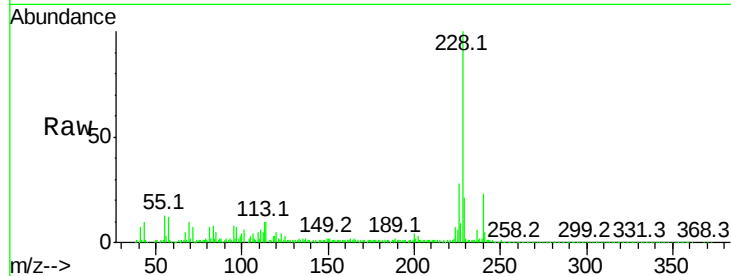
#80
Benzo(a)anthracene
Concen: 27.749 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF101814.D
Acq: 28 Dec 2017 20:33

Instrument :
BNA_F
ClientSampleId :
TB-07(6-8)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	21.0	15.8	23.6

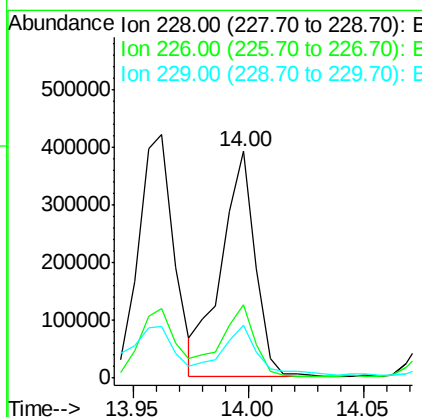
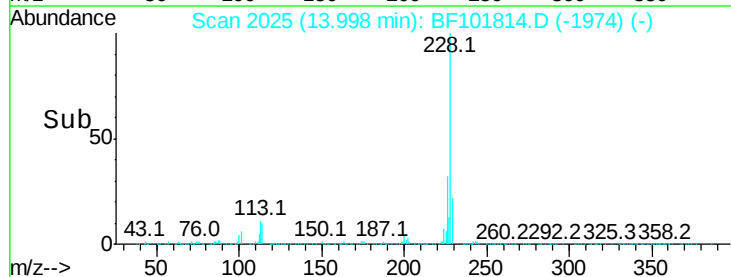
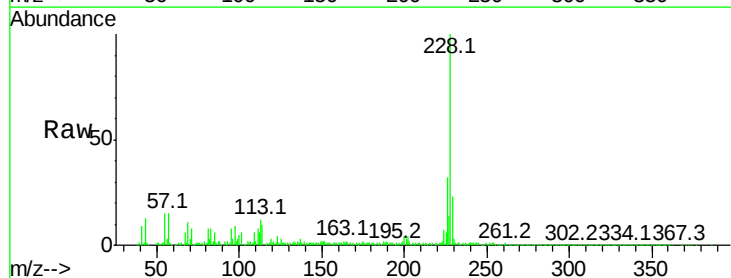
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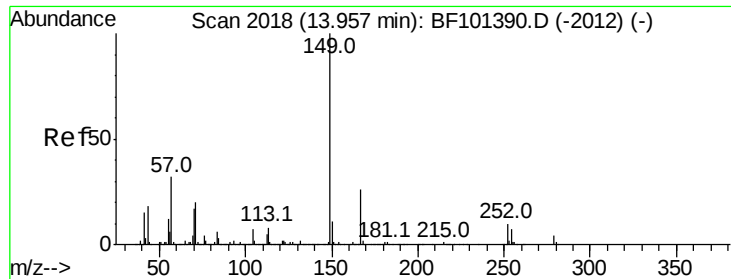
Sohil
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#82
Chrysene
Concen: 26.023 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BF101814.D
Acq: 28 Dec 2017 20:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	25.0	37.6
229	23.2	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 15.332 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BF101814.D

Acq: 28 Dec 2017 20:33

Instrument :

BNA_F

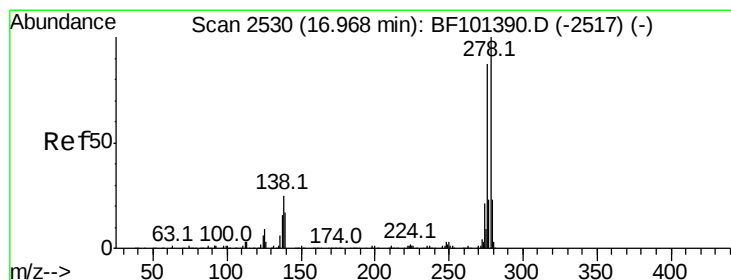
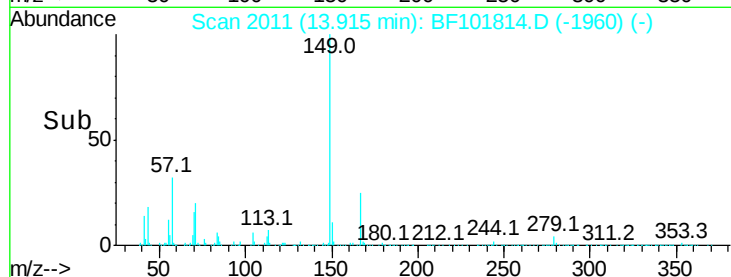
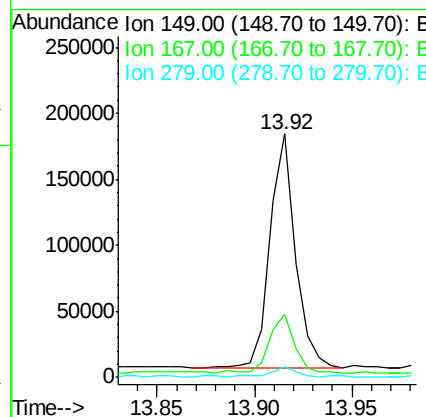
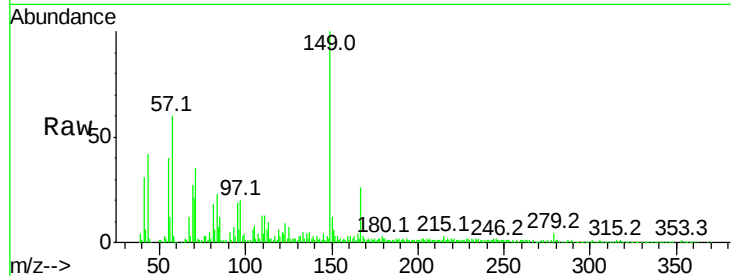
ClientSampleId :

TB-07(6-8)

Tot Ion:	149	Resp:	161436
Ion Ratio	Lower	Upper	
149	100		
167	25.7	21.3	31.9
279	4.1	3.0	4.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 16.065 ng

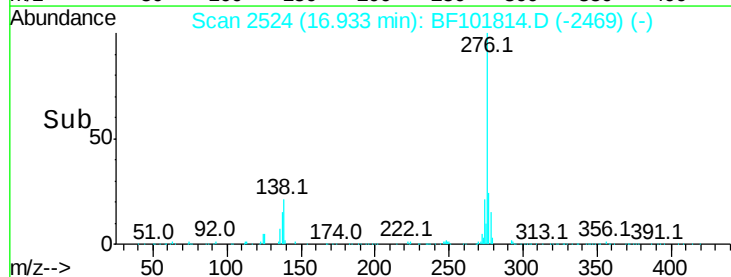
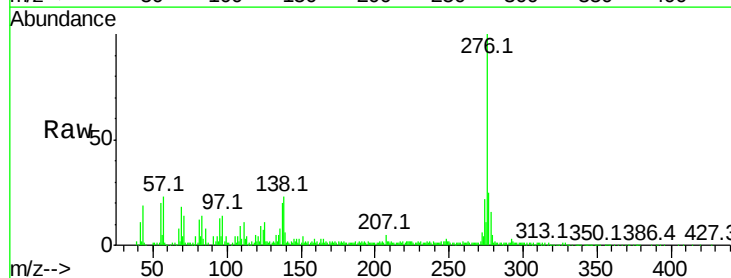
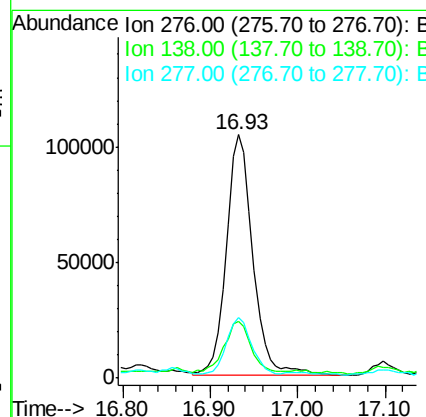
RT: 16.93 min Scan# 2524

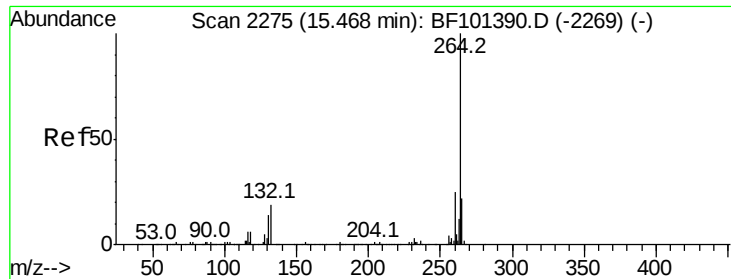
Delta R.T. 0.02 min

Lab File: BF101814.D

Acq: 28 Dec 2017 20:33

Tgt Ion:	276	Resp:	218347
Ion Ratio	Lower	Upper	
276	100		
138	20.9	25.0	37.6#
277	21.7	20.1	30.1





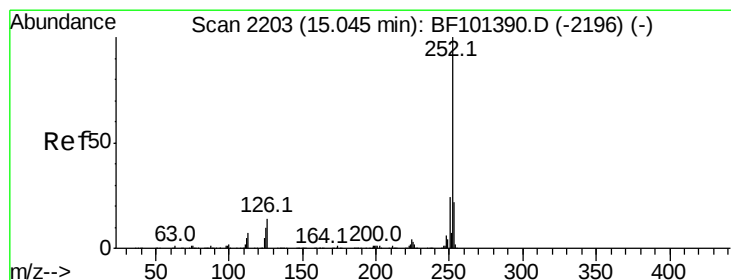
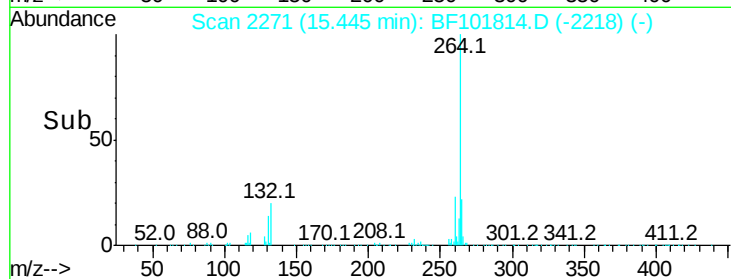
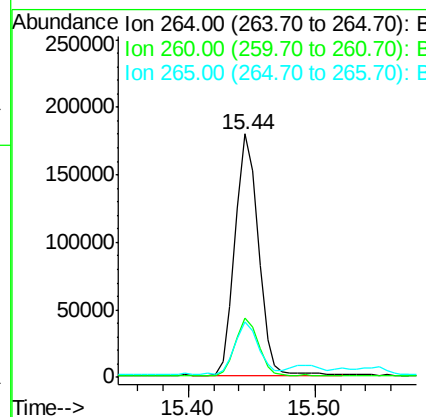
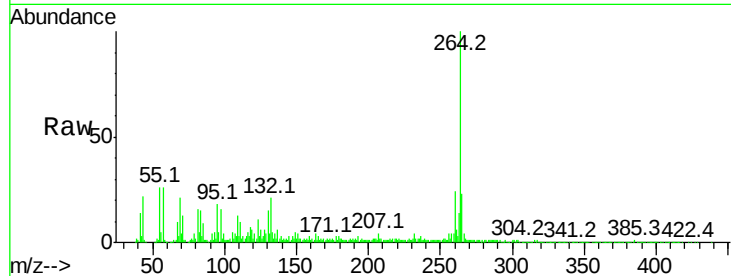
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF101814.D
Acq: 28 Dec 2017 20:33

Instrument :
BNA_F
ClientSampleId :
TB-07(6-8)

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	24.2	19.2	28.8	
265	22.7	17.5	26.3	

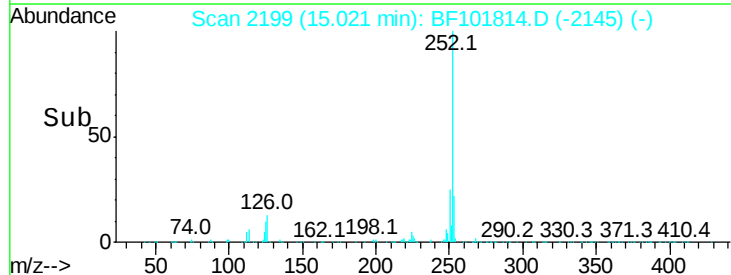
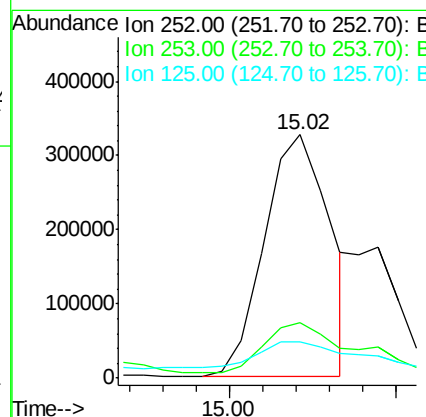
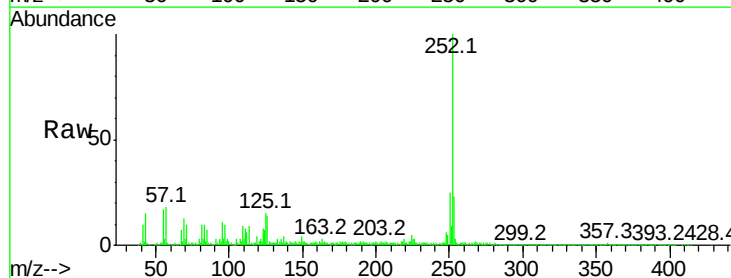
Manual Integrations
APPROVED

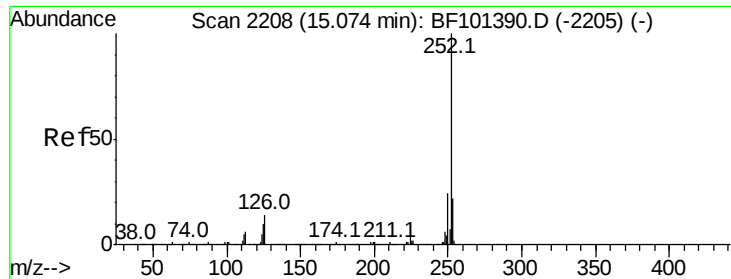
Sohil
12/29/2017 11:55:29 AM



#87
Benzo(b)fluoranthene
Concen: 31.930 ng m
RT: 15.02 min Scan# 2199
Delta R.T. 0.02 min
Lab File: BF101814.D
Acq: 28 Dec 2017 20:33

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.8	17.0	25.6	
125	15.1	9.0	13.6	





#88

Benzo(k)fluoranthene

Concen: 12.508 ng

RT: 15.04 min Scan# 2203

Delta R.T. 0.01 min

Lab File: BF101814.D

Acq: 28 Dec 2017 20:33

Instrument :

BNA_F

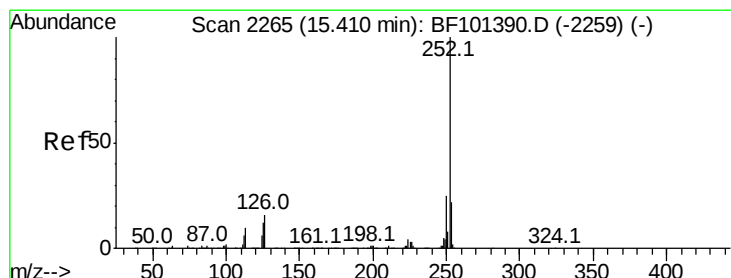
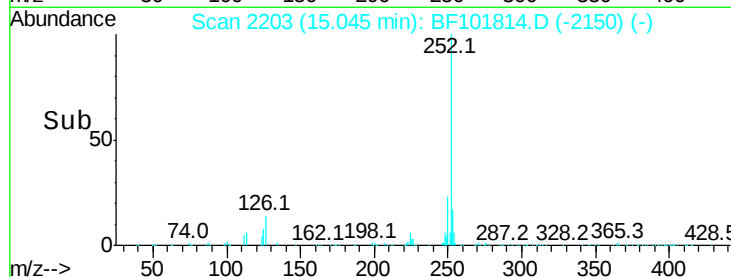
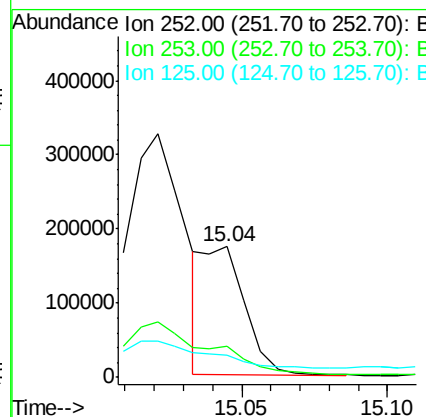
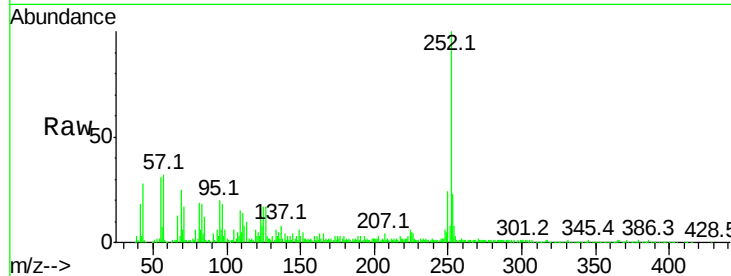
ClientSampleId :

TB-07(6-8)

Tot Ion:	252	Resp:	169422
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.9	26.9
125	17.3	10.2	15.2#

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 26.828 ng

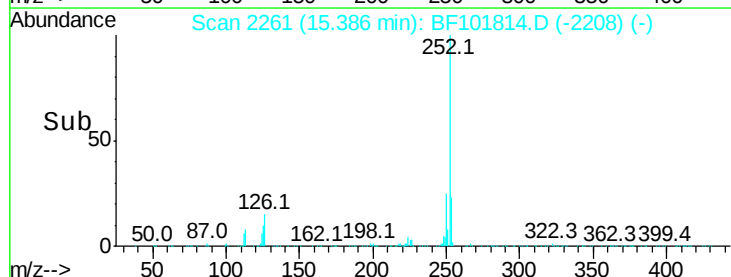
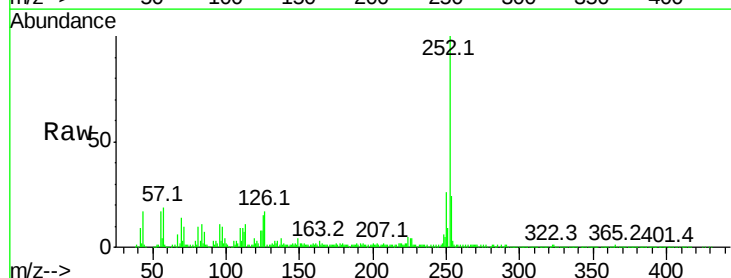
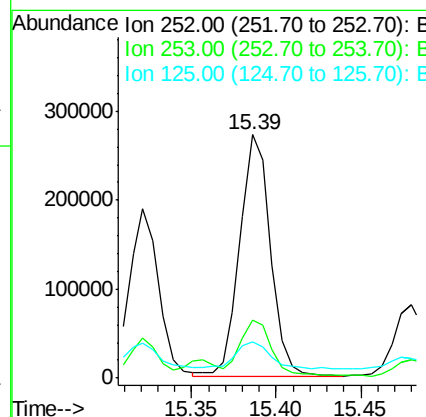
RT: 15.39 min Scan# 2261

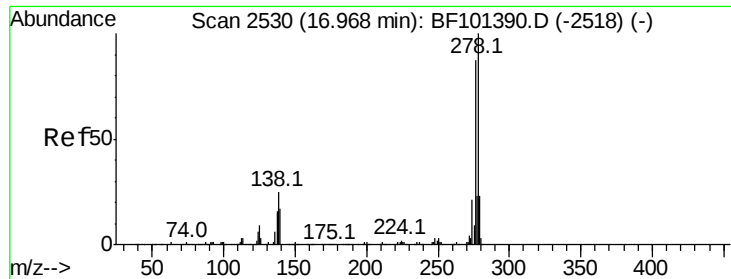
Delta R.T. 0.01 min

Lab File: BF101814.D

Acq: 28 Dec 2017 20:33

Tgt Ion:	252	Resp:	344553
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.1	25.7
125	14.9	9.8	14.6#





#90

Dibenzo(a,h)anthracene

Concen: 4.190 ng

RT: 16.92 min Scan# 2522

Delta R.T. 0.02 min

Lab File: BF101814.D

Acq: 28 Dec 2017 20:33

Instrument :

BNA_F

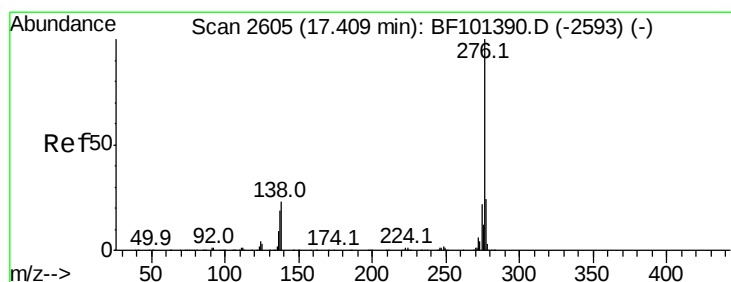
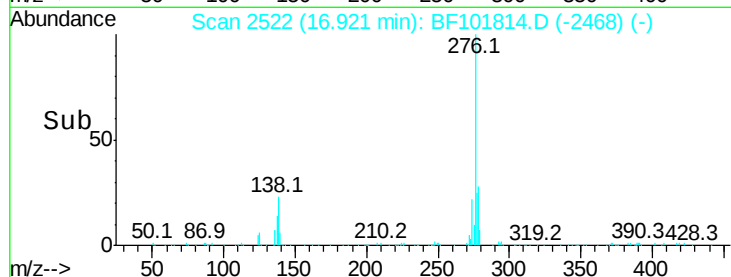
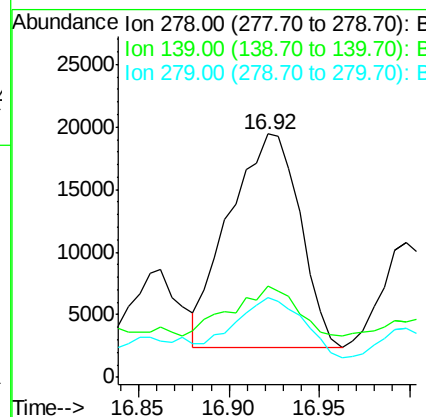
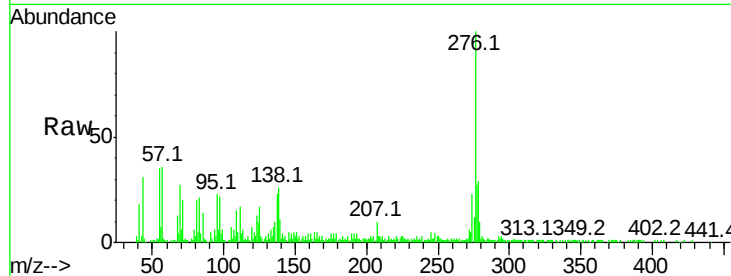
ClientSampleId :

TB-07(6-8)

Tot Ion:	278	Resp:	46197
Ion Ratio	Lower	Upper	
278	100		
139	37.6	15.9	23.9#
279	32.8	19.0	28.4#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 17.949 ng

RT: 17.39 min Scan# 2601

Delta R.T. 0.04 min

Lab File: BF101814.D

Acq: 28 Dec 2017 20:33

Tgt Ion:	276	Resp:	195981
Ion Ratio	Lower	Upper	
276	100		
277	25.4	17.9	26.9
138	26.0	21.8	32.8

