

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
 Data File : BF101783.D
 Acq On : 28 Dec 2017 00:35
 Operator : SJ/JU
 Sample : I7064-13
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-7

Manual Integrations
 APPROVED

Sohil
 12/28/2017 2:03:16 PM

Quant Time: Dec 28 06:04:43 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	6.79	152	163901	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	622131	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	247533	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	384739	20.00	ng	0.00
75) Chrysene-d12	13.97	240	304851	20.00	ng	0.00
86) Perylene-d12	15.44	264	263009	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1130874	102.78	ng	0.01
7) Phenol-d6	6.44	99	1326384	96.86	ng	0.00
23) Nitrobenzene-d5	7.36	82	815449	72.96	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	234361	98.26	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1124296	70.46	ng	0.00
78) Terphenyl-d14	12.90	244	748701	59.21	ng	0.00
Target Compounds						
10) Phenol	6.45	94	71494	4.581	ng	73
49) Dimethylphthalate	9.55	163	134675	6.764	ng	98
54) Dibenzofuran	10.04	168	42577	2.102	ng	98
57) Fluorene	10.38	166	39398	2.299	ng	96
70) Phenanthrene	11.35	178	615840	28.783	ng	99
71) Anthracene	11.40	178	124903	5.715	ng	96
74) Fluoranthene	12.54	202	641187	28.550	ng	98
77) Pyrene	12.77	202	565297	24.708	ng	99
80) Benzo(a)anthracene	13.96	228	274166	13.620	ng	98
82) Chrysene	14.00	228	239904	12.622	ng	99
85) Indeno(1,2,3-cd)pyrene	16.94	276	73547	4.345	ng	89
87) Benzo(b)fluoranthene	15.02	252	210842m	13.152	ng	
88) Benzo(k)fluoranthene	15.04	252	89536m	5.744	ng	
89) Benzo(a)pyrene	15.39	252	154261	10.438	ng	96
91) Benzo(a,h,i)perylene	17.40	276	61159	4.868	ng	95

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

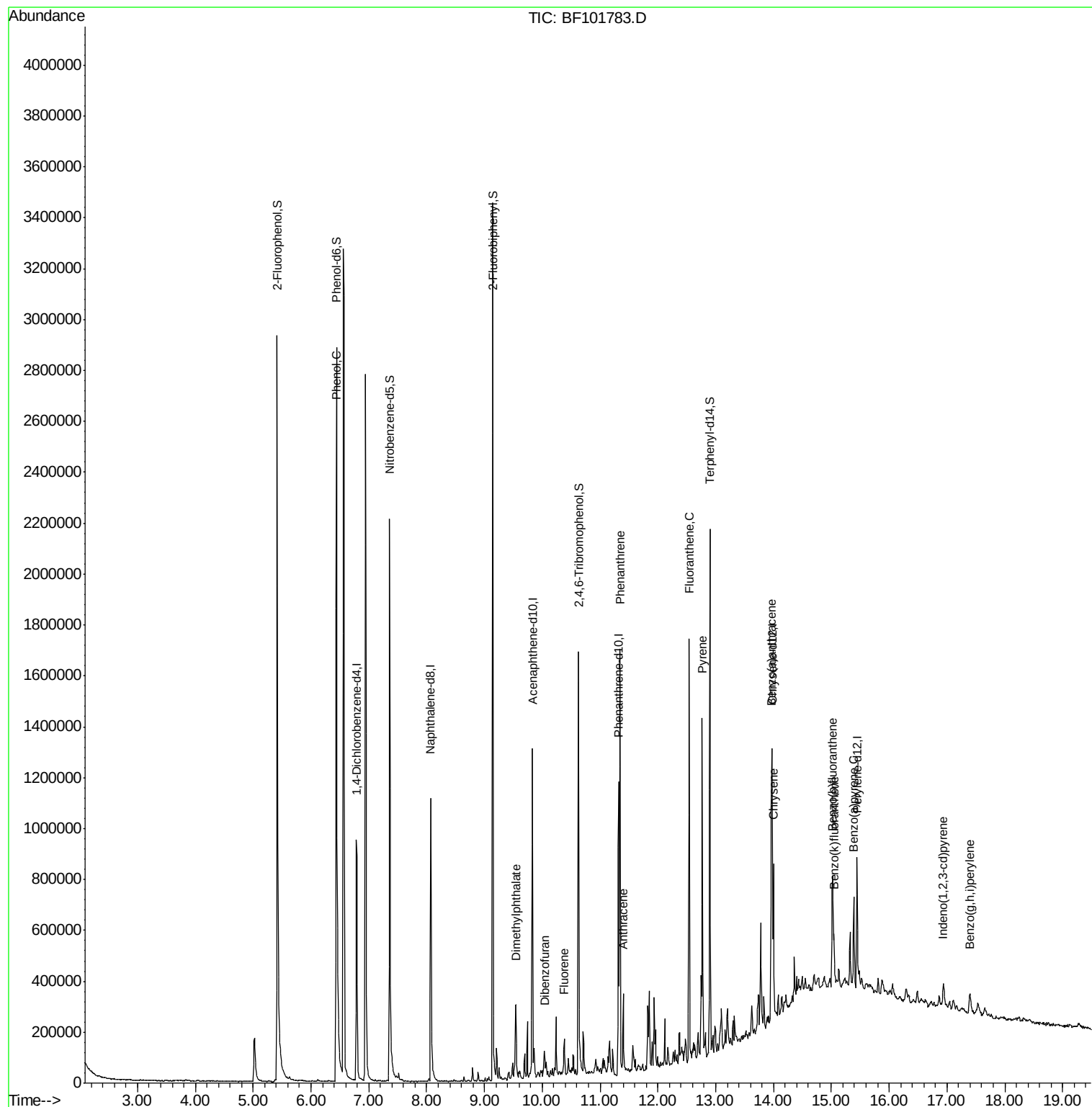
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122717\
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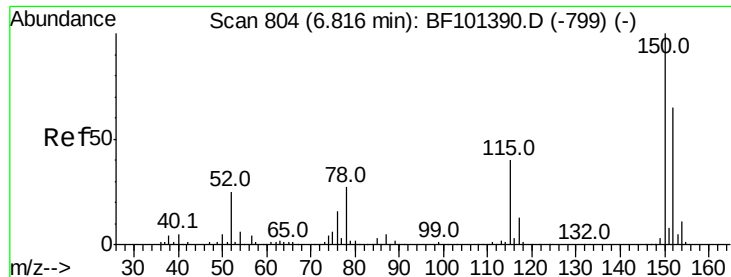
Instrument :
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#1

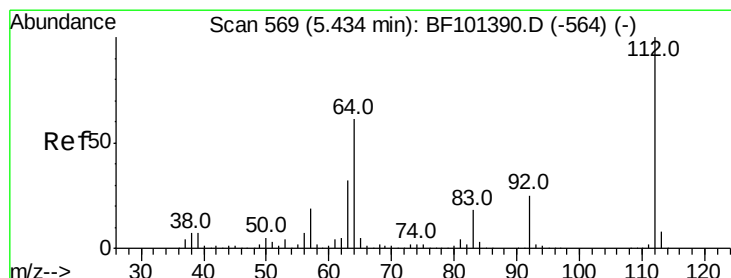
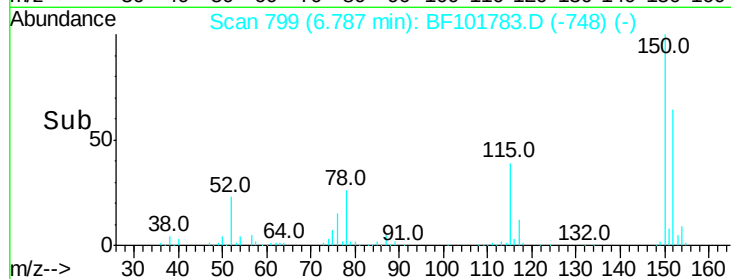
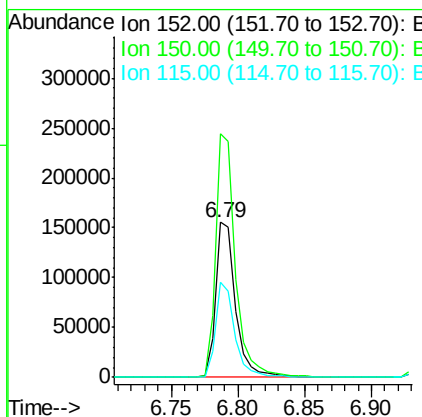
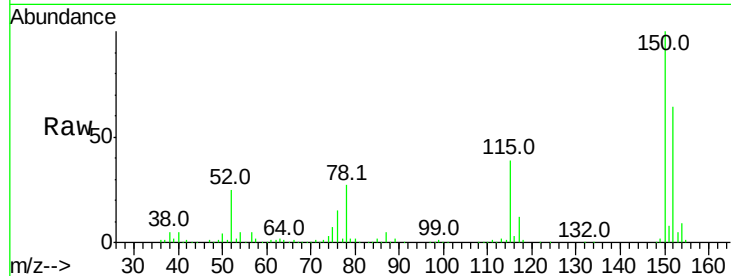
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF101783.D
Acq: 28 Dec 2017 00:35

Instrument :
BNA_F
ClientSampleId :
SAMPLE-7

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.6	186.8
115	61.7	50.1	75.1

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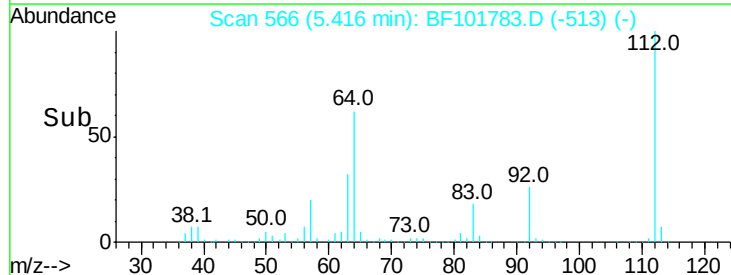
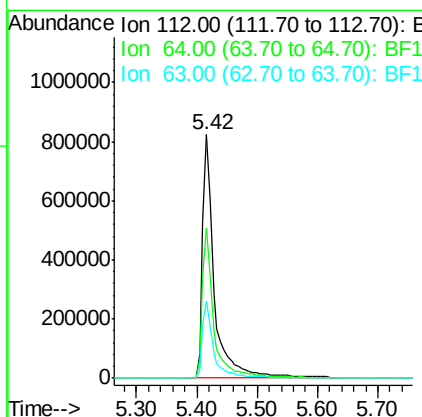
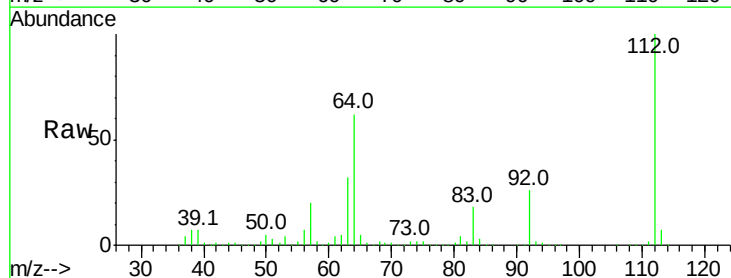
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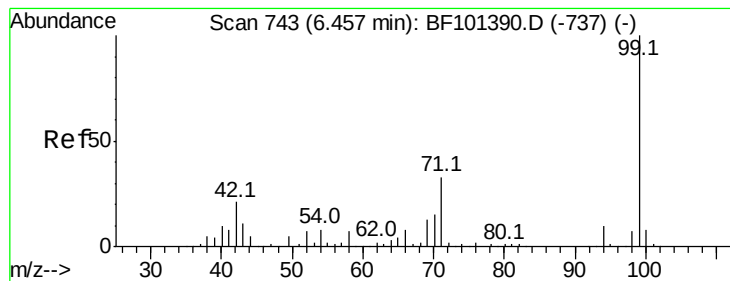


#5

2-Fluorophenol
Concen: 102.777 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BF101783.D
Acq: 28 Dec 2017 00:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	47.9	71.9
63	31.9	23.7	35.5





#7

Phenol-d6

Concen: 96.860 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF101783.D

Acq: 28 Dec 2017 00:35

Instrument :

BNA_F

ClientSampled :

SAMPLE-7

Tot Ion: 99 Resp: 1326384

Ion Ratio Lower Upper

99 100

42 20.7 14.5 21.7

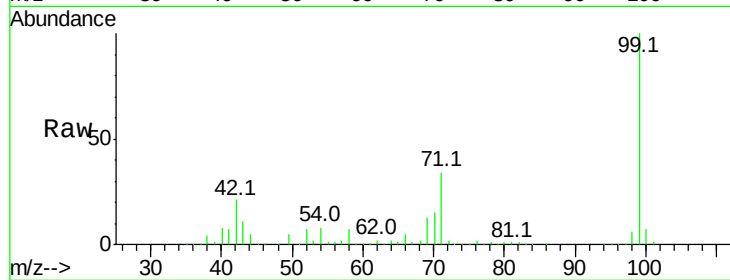
71 34.2 25.4 38.0

Manual Integrations

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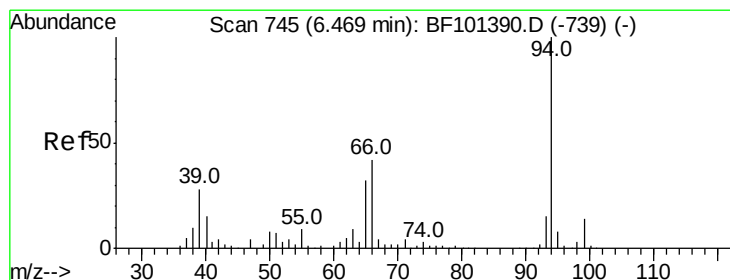
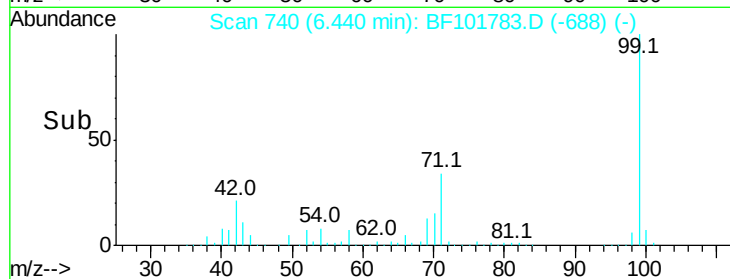
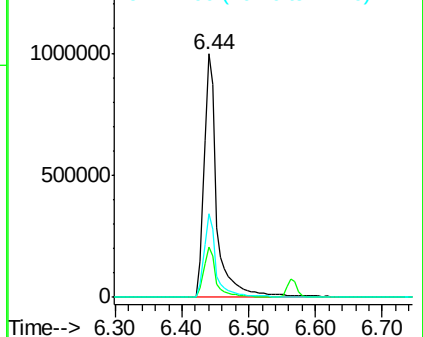
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.581 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF101783.D

Acq: 28 Dec 2017 00:35

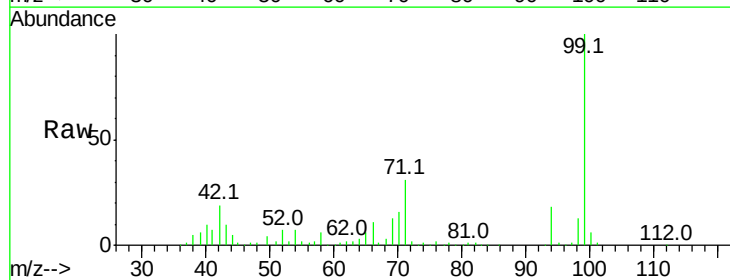
Tgt Ion: 94 Resp: 71494

Ion Ratio Lower Upper

94 100

65 35.1 7.9 47.9

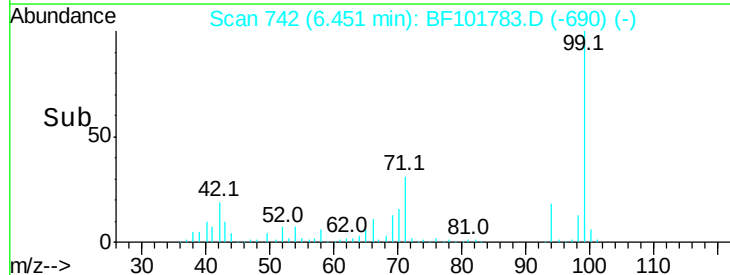
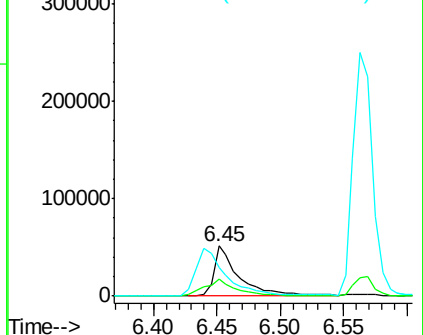
66 58.0 16.2 56.2#

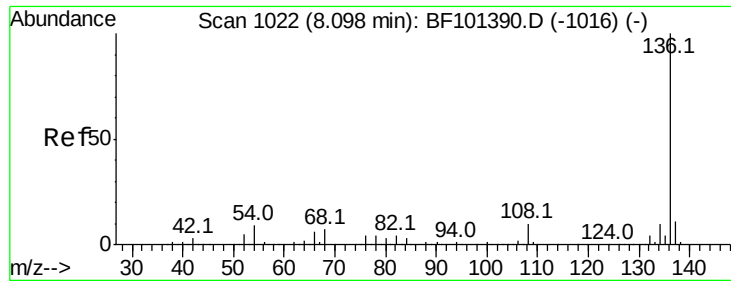


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





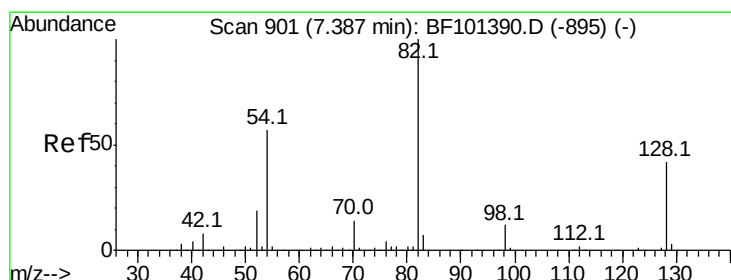
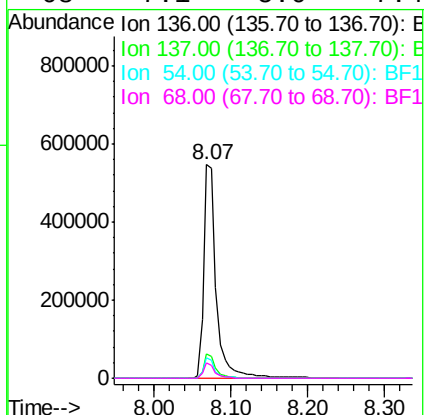
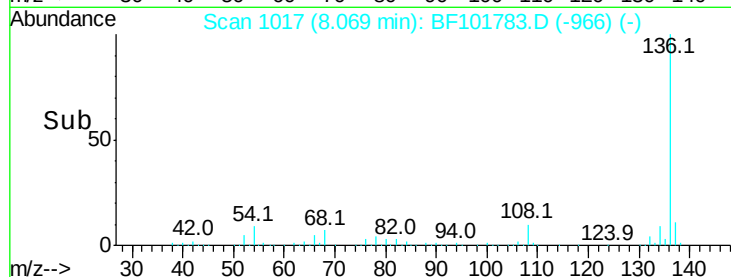
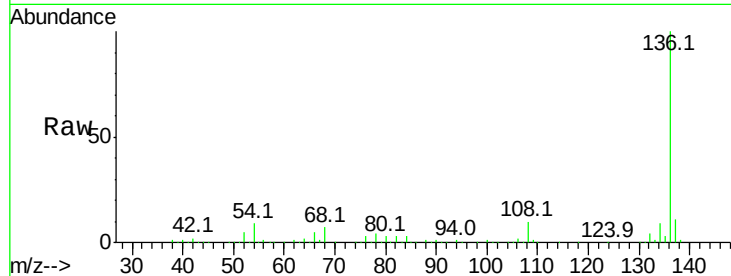
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF101783.D
Acq: 28 Dec 2017 00:35

Instrument :
BNA_F
ClientSampleId :
SAMPLE-7

Tot Ion	Ratio	Resp	Lower	Upper
136	100	622131		
137	11.5	8.9	13.3	
54	9.5	6.6	9.8	
68	7.1	5.0	7.4	

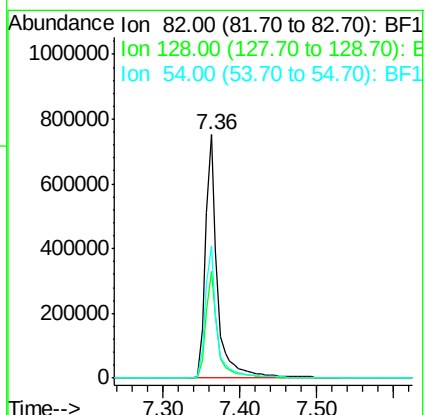
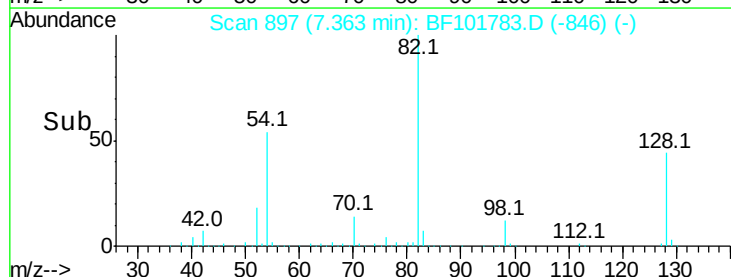
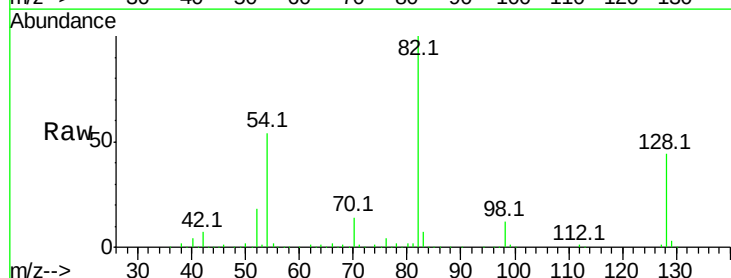
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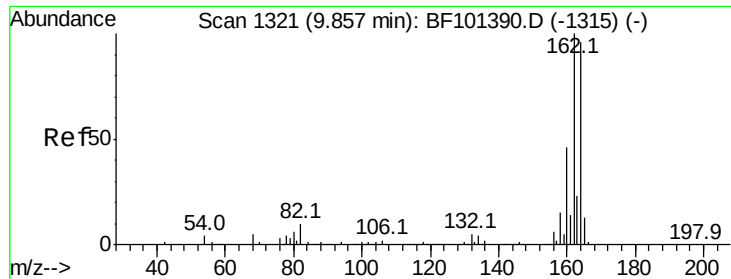
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#23
Nitrobenzene-d5
Concen: 72.963 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.00 min
Lab File: BF101783.D
Acq: 28 Dec 2017 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	815449		
128	43.9	36.1	54.1	
54	54.2	41.4	62.2	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.00 min

Lab File: BF101783.D

Acq: 28 Dec 2017 00:35

Instrument :

BNA_F

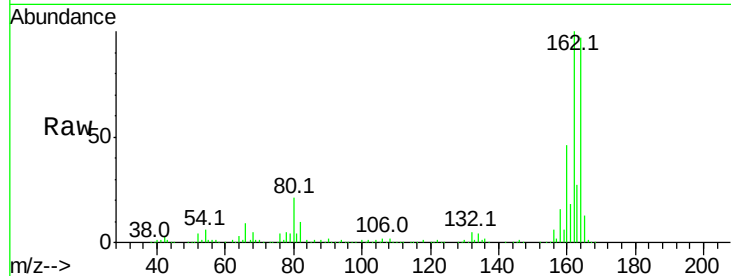
ClientSampleId :

SAMPLE-7

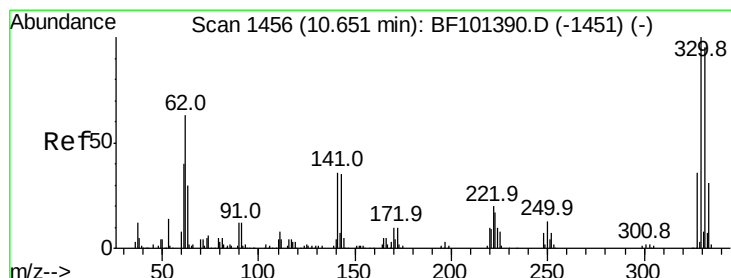
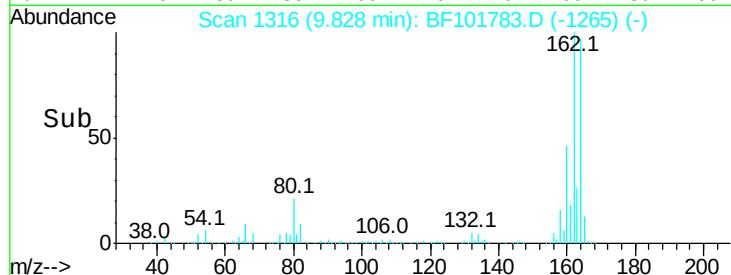
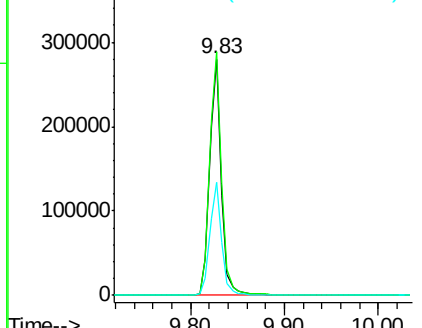
Tot Ion:	164	Resp:	247533
Ion Ratio	Lower	Upper	
164	100		
162	103.2	86.1	129.1
160	47.9	38.3	57.5

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



#41

2,4,6-Tribromophenol

Concen: 98.257 ng

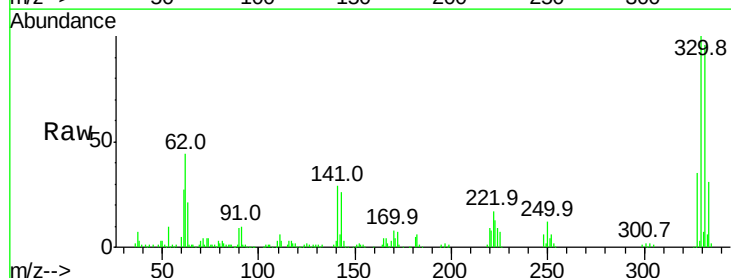
RT: 10.63 min Scan# 1452

Delta R.T. 0.01 min

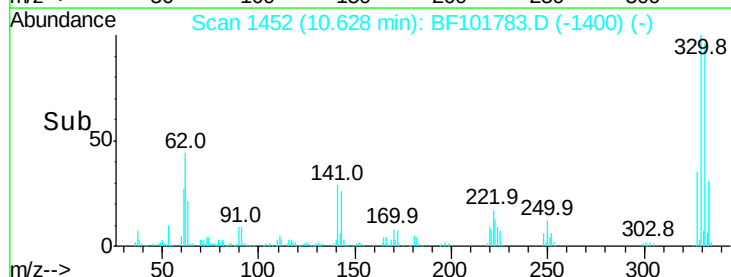
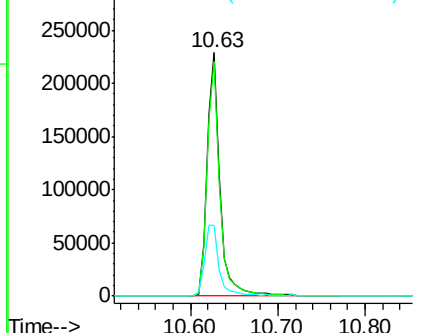
Lab File: BF101783.D

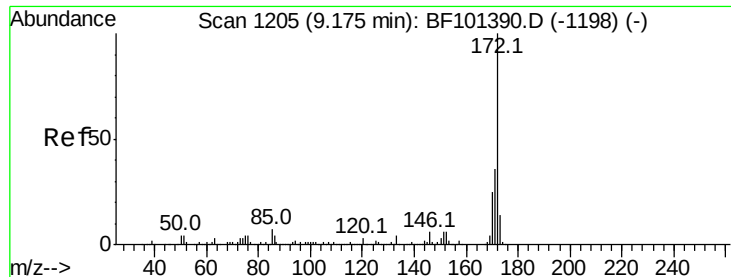
Acq: 28 Dec 2017 00:35

Tgt Ion:	330	Resp:	234361
Ion Ratio	Lower	Upper	
330	100		
332	95.2	77.0	115.6
141	32.9	29.9	44.9



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





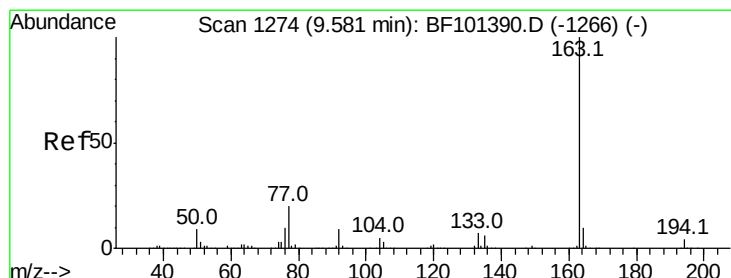
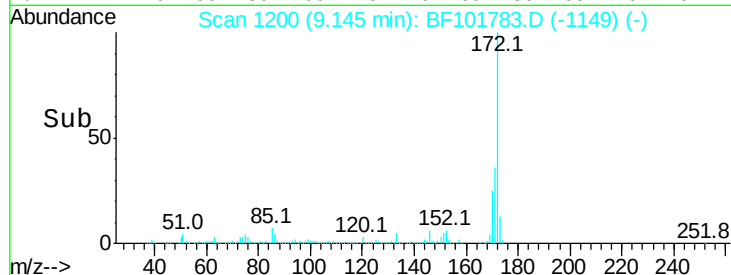
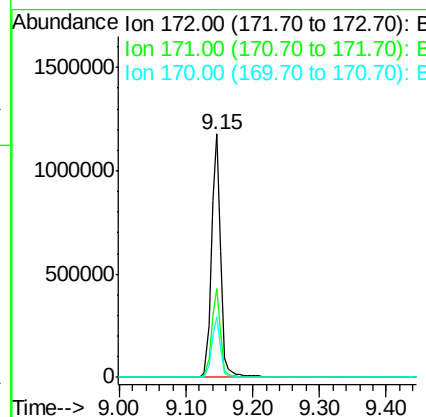
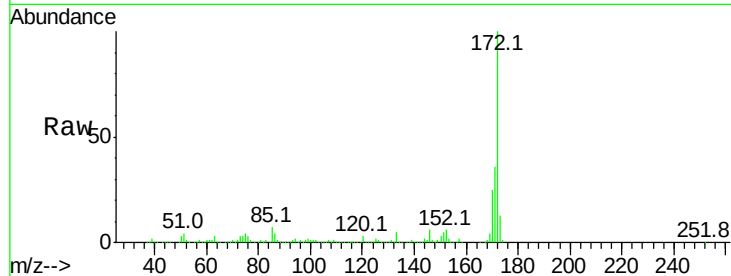
#44
2-Fluorobiphenyl
Concen: 70.457 ng
RT: 9.15 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BF101783.D
Acq: 28 Dec 2017 00:35

Instrument :
BNA_F
ClientSampleId :
SAMPLE-7

Tot Ion:172 Resp: 1124296
Ion Ratio Lower Upper
172 100
171 36.3 29.7 44.5
170 25.0 19.6 29.4

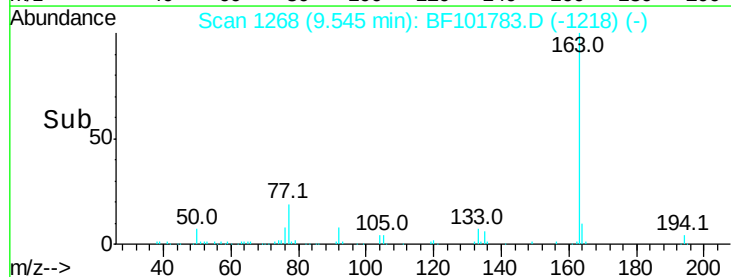
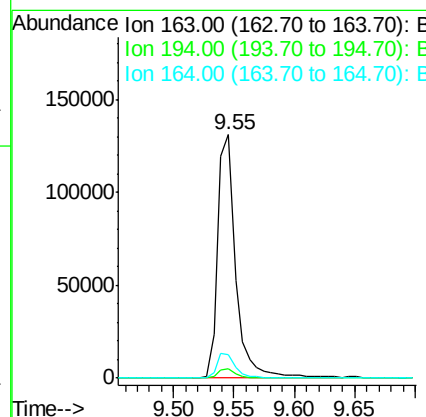
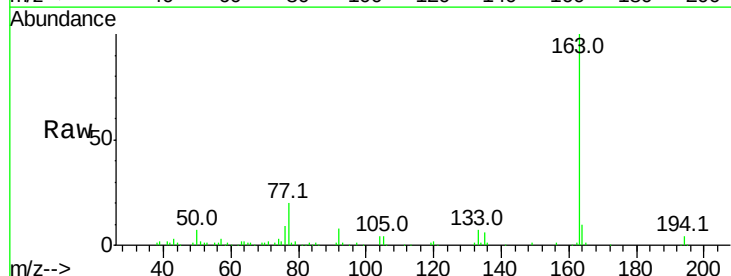
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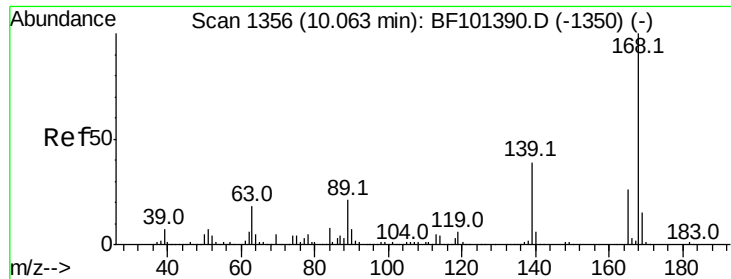
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#49
Dimethylphthalate
Concen: 6.764 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF101783.D
Acq: 28 Dec 2017 00:35

Tgt Ion:163 Resp: 134675
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 9.6 8.2 12.2





#54

Dibenzenofuran

Concen: 2.102 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.01 min

Lab File: BF101783.D

Acq: 28 Dec 2017 00:35

Instrument :

BNA_F

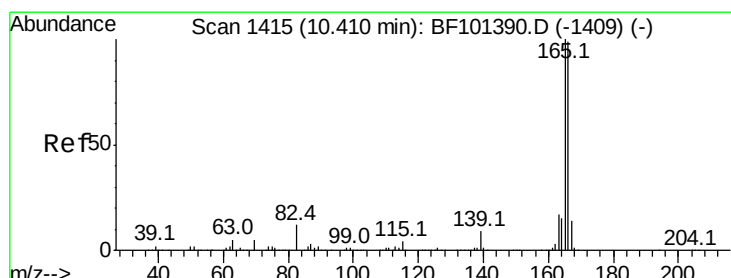
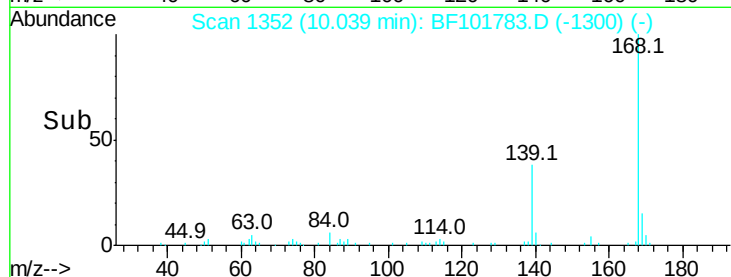
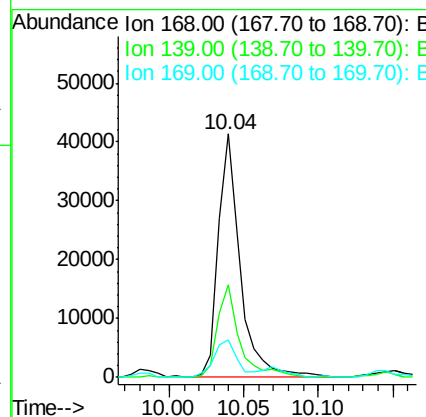
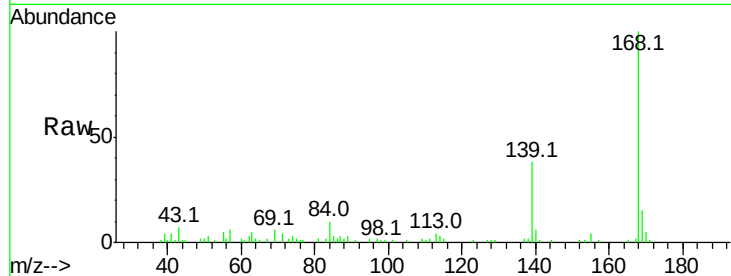
ClientSampleId :

SAMPLE-7

Tot Ion:	168	Resp:	42577
Ion Ratio	Lower	Upper	
168	100		
139	37.9	30.1	45.1
169	15.5	10.9	16.3

Manual Integrations
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#57

Fluorene

Concen: 2.299 ng

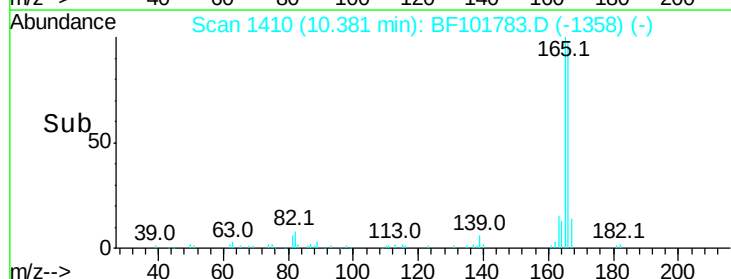
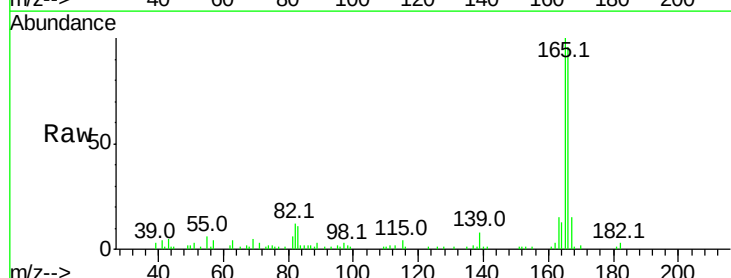
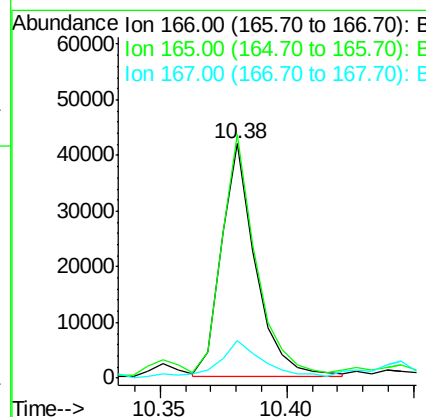
RT: 10.38 min Scan# 1410

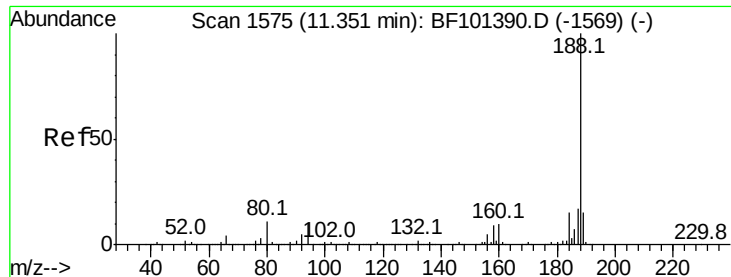
Delta R.T. 0.01 min

Lab File: BF101783.D

Acq: 28 Dec 2017 00:35

Tgt Ion:	166	Resp:	39398
Ion Ratio	Lower	Upper	
166	100		
165	103.8	79.8	119.8
167	16.0	10.6	16.0#





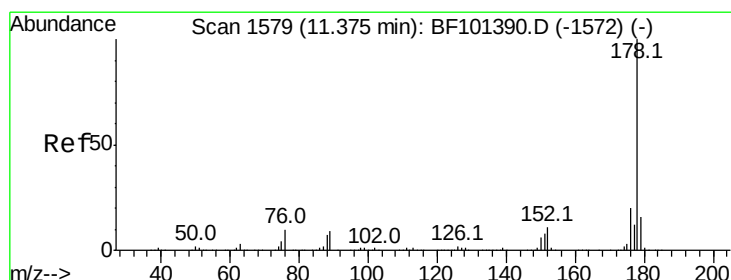
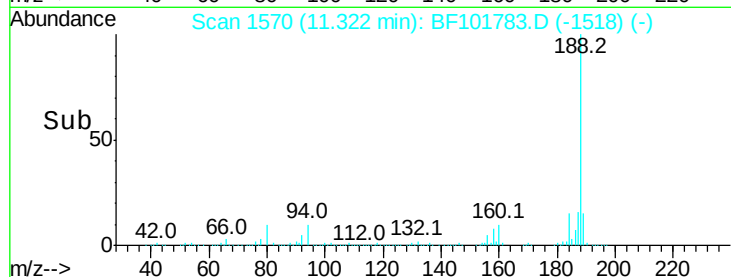
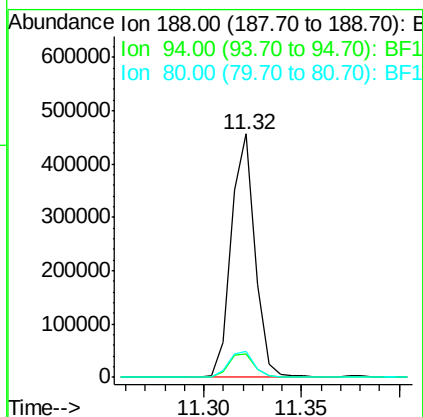
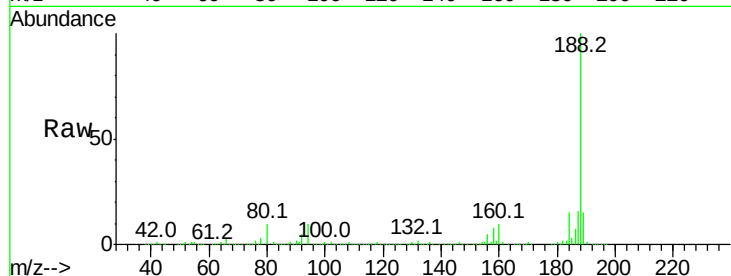
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF101783.D
Acq: 28 Dec 2017 00:35

Instrument :
BNA_F
ClientSampleId :
SAMPLE-7

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.5	9.2	13.8

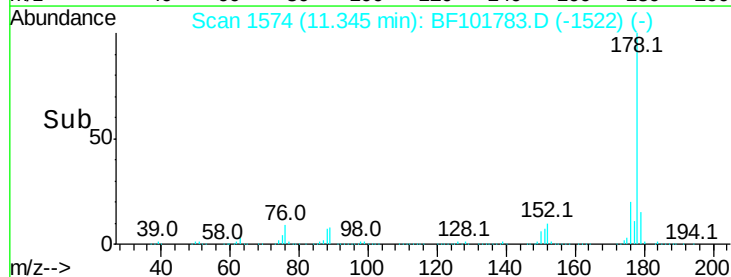
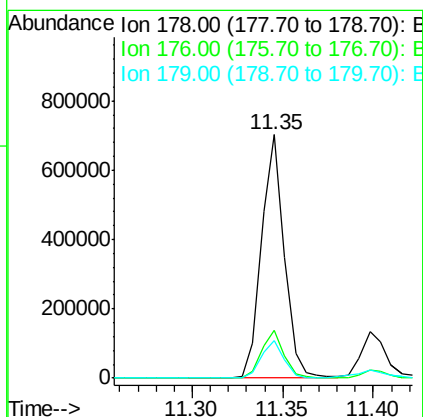
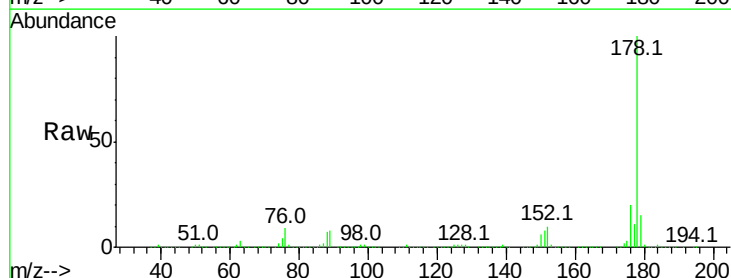
Manual Integrations
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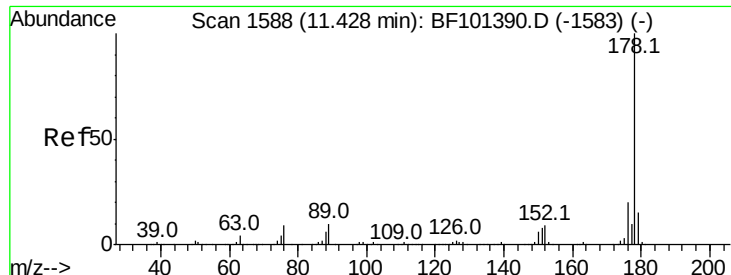
Sohil
12/28/2017 2:03:16 PM



#70
Phenanthrene
Concen: 28.783 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF101783.D
Acq: 28 Dec 2017 00:35

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.3	13.0	19.6





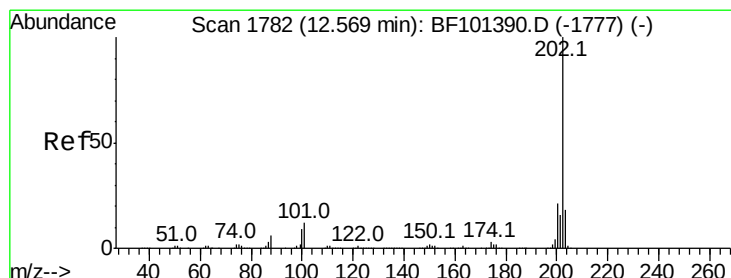
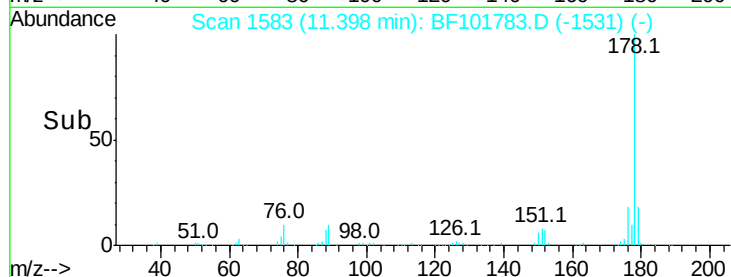
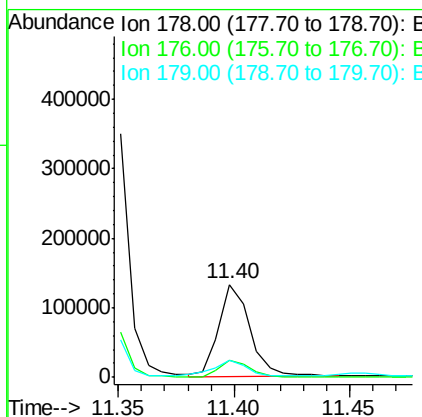
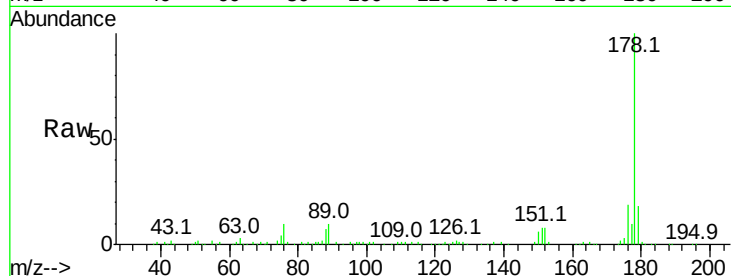
#71
 Anthracene
 Concen: 5.715 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: BF101783.D
 Acq: 28 Dec 2017 00:35

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-7

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	18.2	12.6	19.0

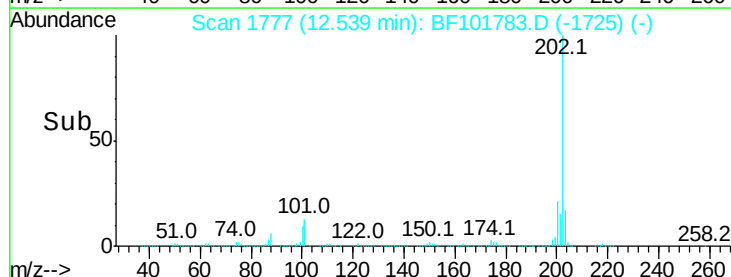
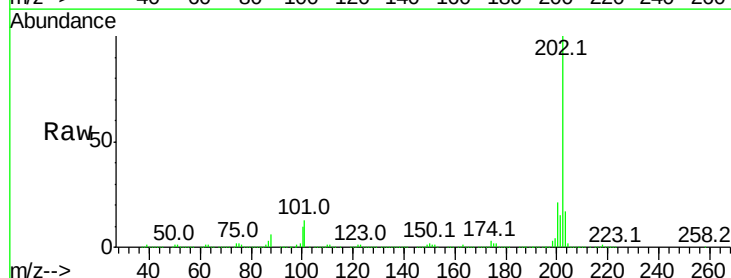
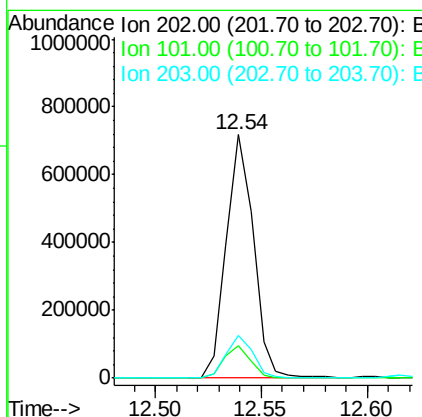
Manual Integrations
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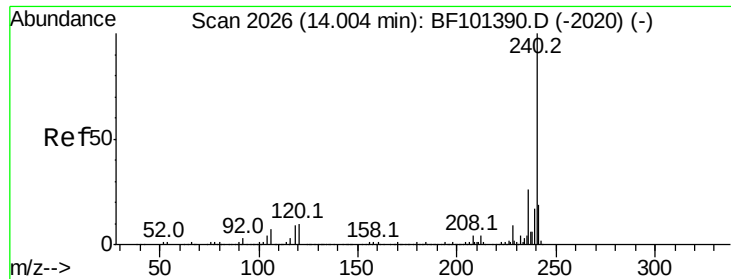
Sohil
 12/28/2017 2:03:16 PM



#74
 Fluoranthene
 Concen: 28.550 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.01 min
 Lab File: BF101783.D
 Acq: 28 Dec 2017 00:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	34.1
203	17.4	0.0	38.1





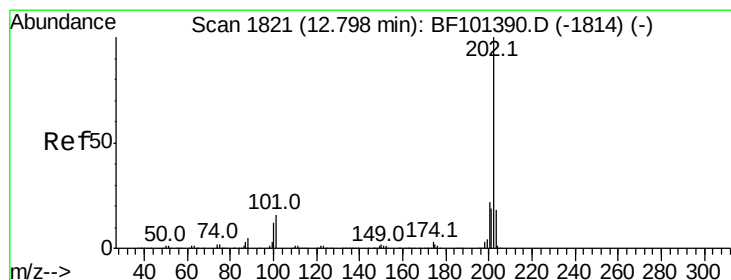
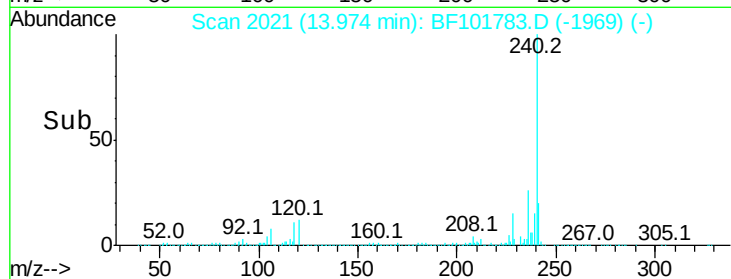
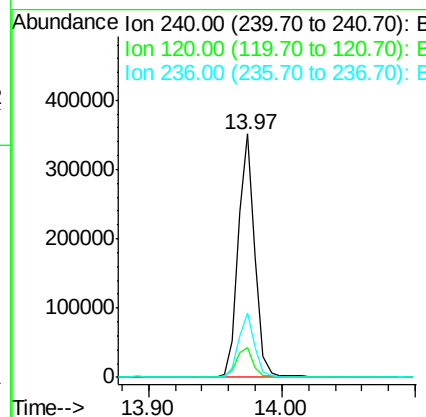
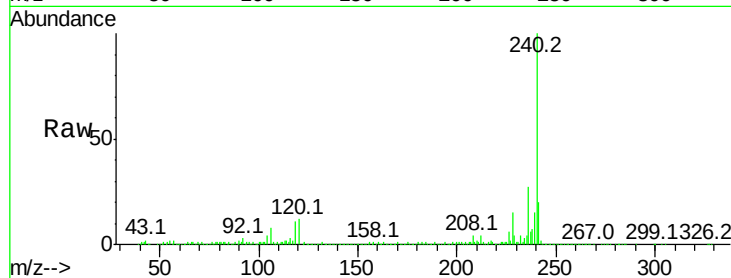
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.01 min
Lab File: BF101783.D
Acq: 28 Dec 2017 00:35

Instrument :
BNA_F
ClientSampleId :
SAMPLE-7

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	12.2	9.5	14.3	
236	26.6	20.7	31.1	

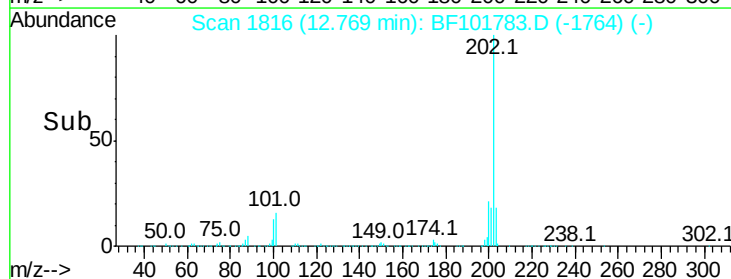
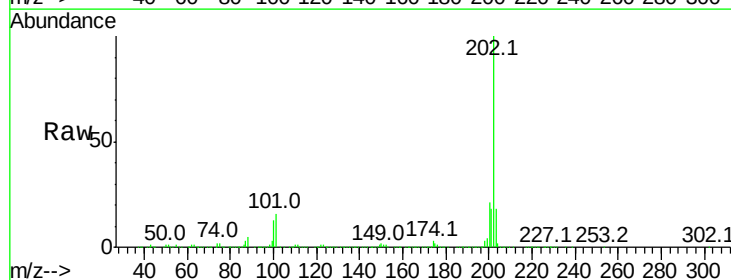
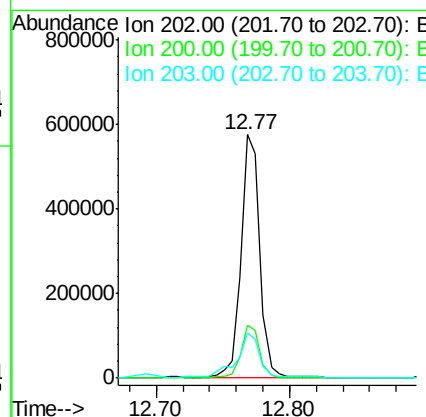
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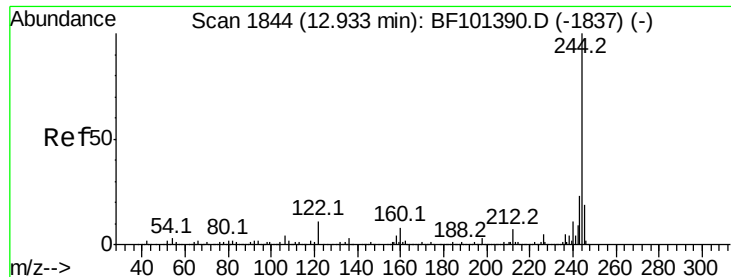
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#77
Pyrene
Concen: 24.708 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BF101783.D
Acq: 28 Dec 2017 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.5	17.4	26.2	
203	18.3	14.3	21.5	





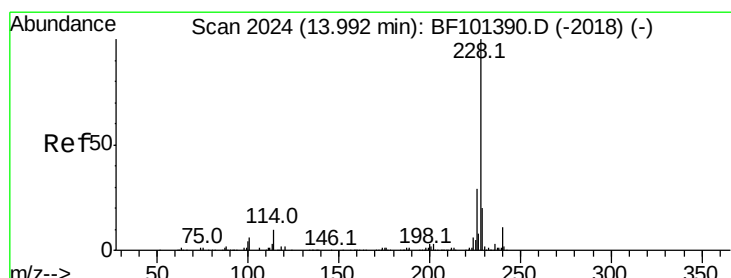
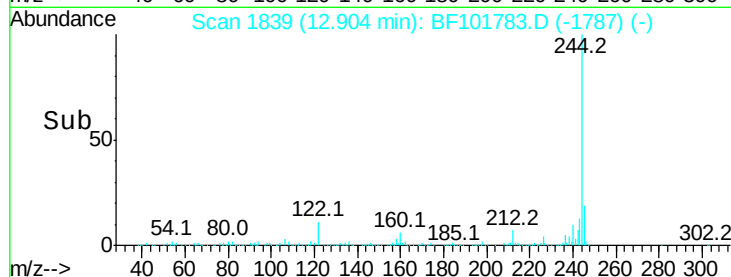
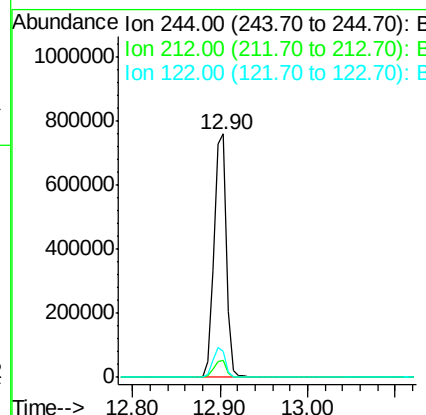
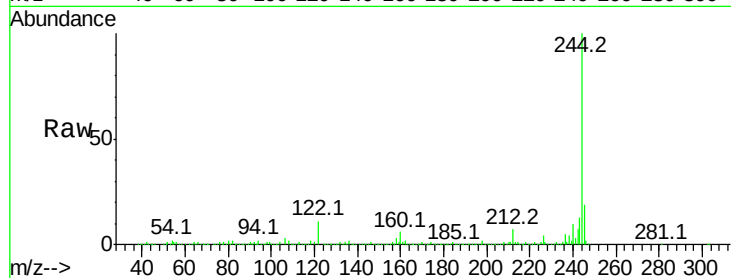
#78
 Terphenyl-d14
 Concen: 59.207 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. 0.01 min
 Lab File: BF101783.D
 Acq: 28 Dec 2017 00:35

Instrument :
 BNA_F
 ClientSampled :
 SAMPLE-7

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	10.7	11.0	16.4#

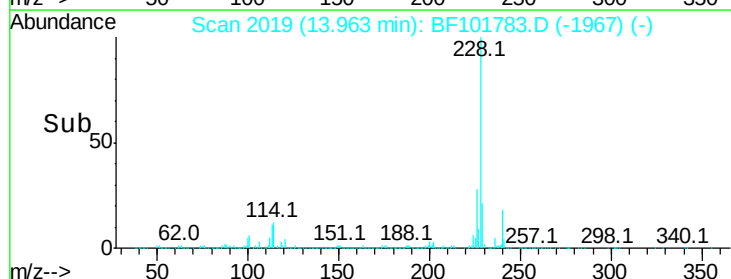
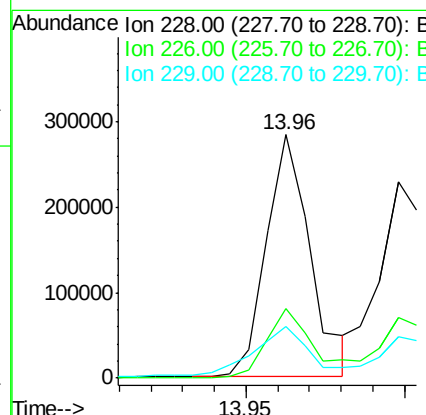
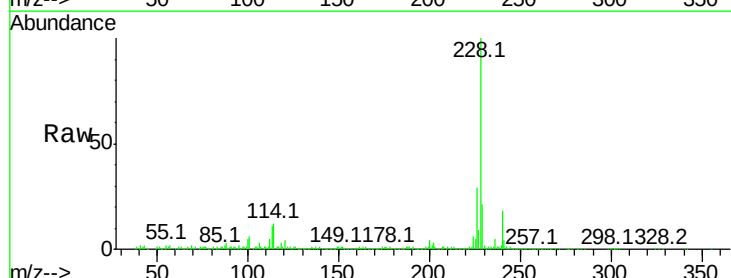
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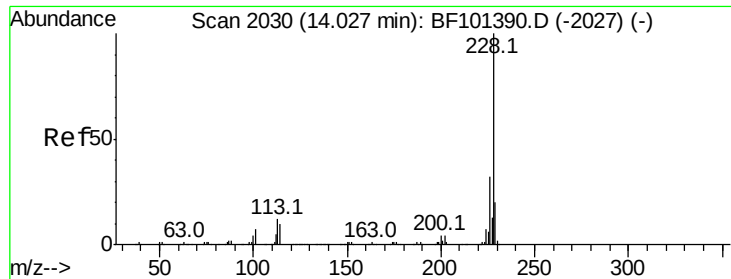
Sohil
 12/28/2017 2:03:16 PM



#80
 Benzo(a)anthracene
 Concen: 13.620 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.01 min
 Lab File: BF101783.D
 Acq: 28 Dec 2017 00:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	21.0	15.8	23.6





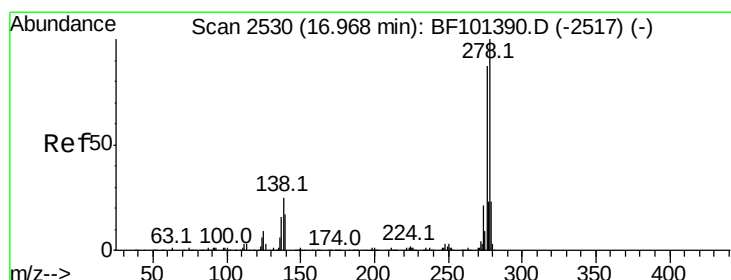
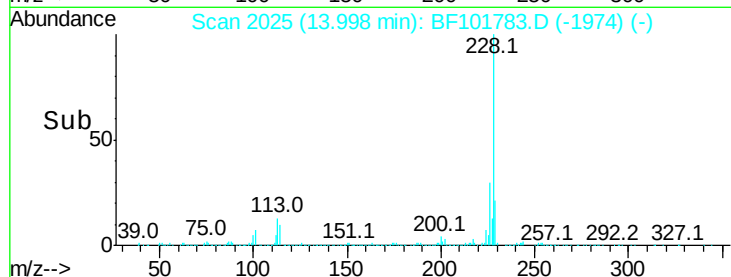
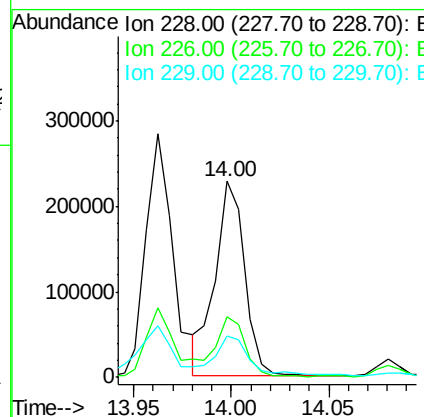
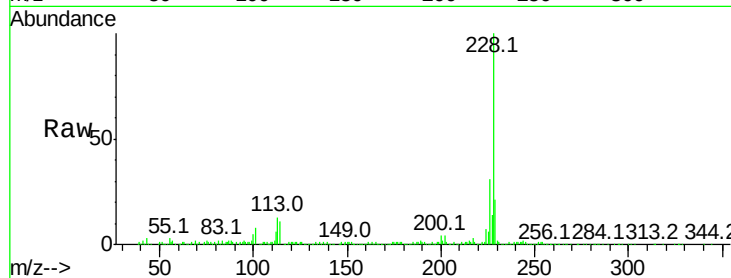
#82
Chrysene
Concen: 12.622 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF101783.D
Acq: 28 Dec 2017 00:35

Instrument :
BNA_F
ClientSampleId :
SAMPLE-7

Tot Ion	Ratio	Resp	Lower	Upper
228	100	239904		
226	30.7	25.0	37.6	
229	21.2	16.2	24.4	

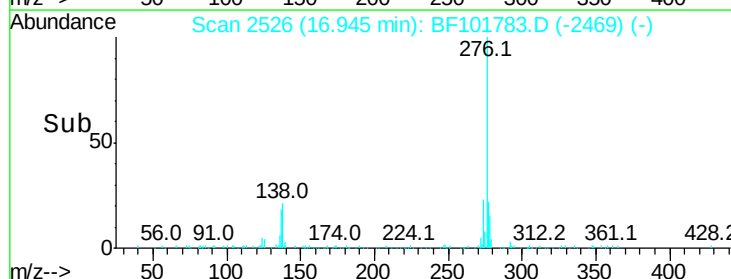
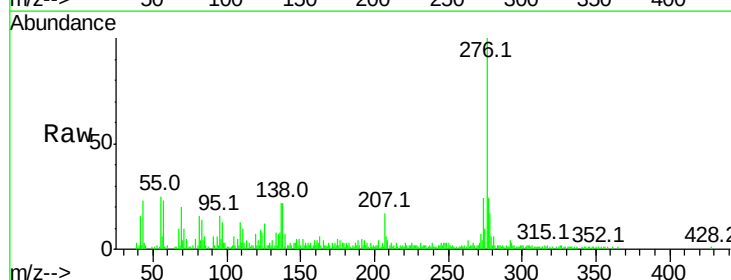
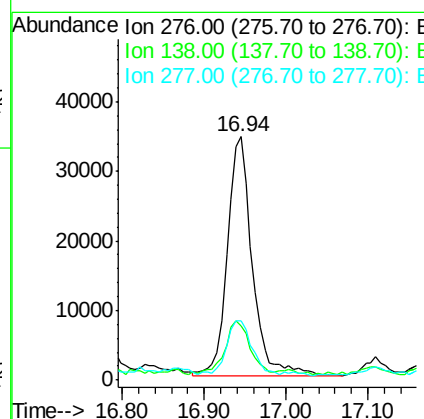
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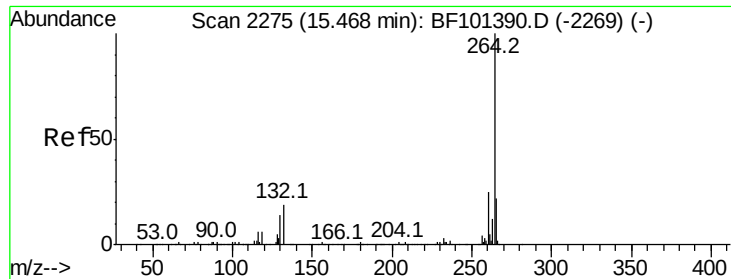
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.345 ng
RT: 16.94 min Scan# 2526
Delta R.T. 0.04 min
Lab File: BF101783.D
Acq: 28 Dec 2017 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	73547		
138	22.1	25.0	37.6#	
277	22.6	20.1	30.1	





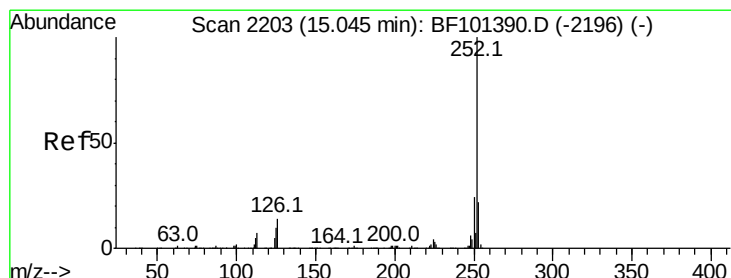
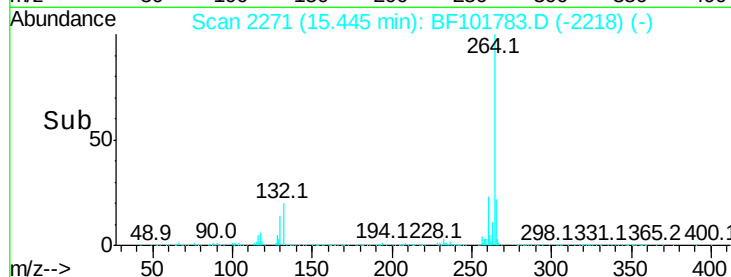
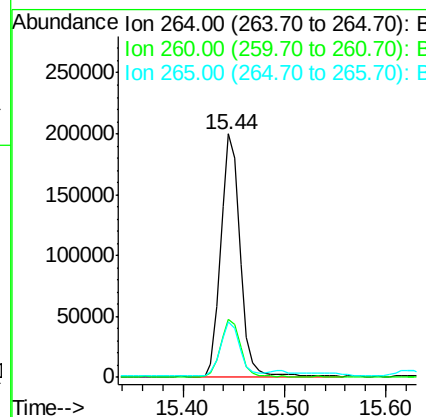
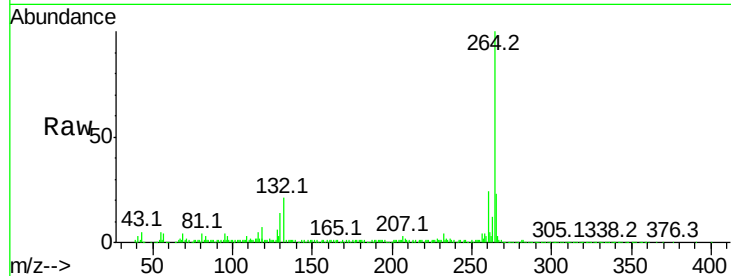
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF101783.D
Acq: 28 Dec 2017 00:35

Instrument :
BNA_F
ClientSampled :
SAMPLE-7

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.9	17.5	26.3

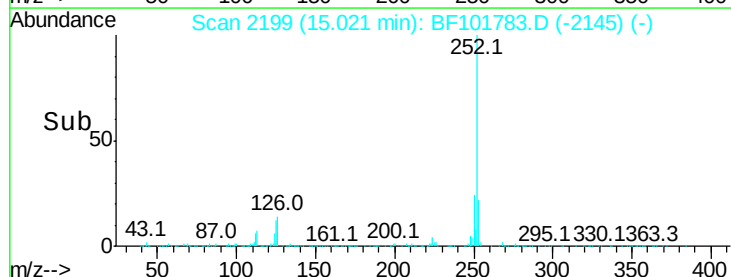
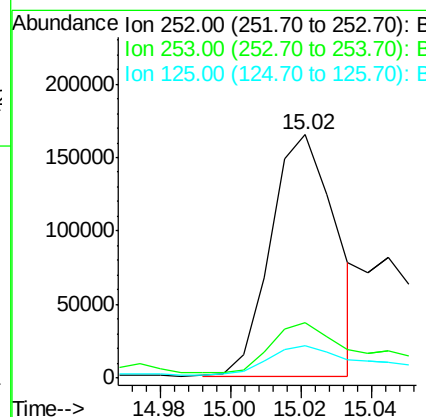
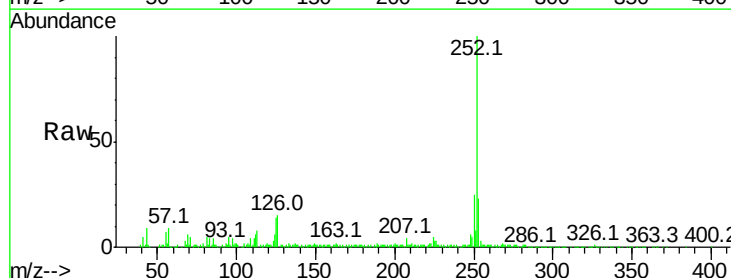
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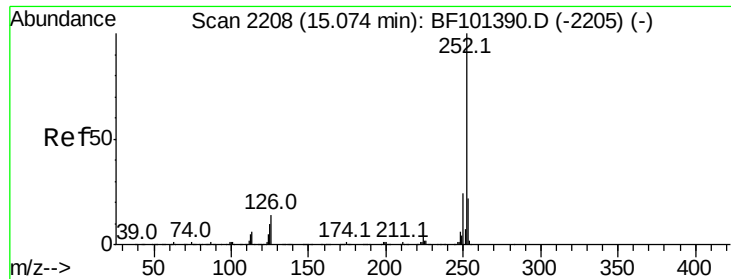
Sohil
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#87
Benzo(b)fluoranthene
Concen: 13.152 ng m
RT: 15.02 min Scan# 2199
Delta R.T. 0.02 min
Lab File: BF101783.D
Acq: 28 Dec 2017 00:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	13.6	9.0	13.6





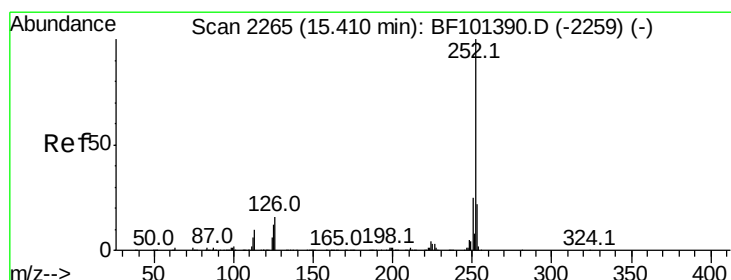
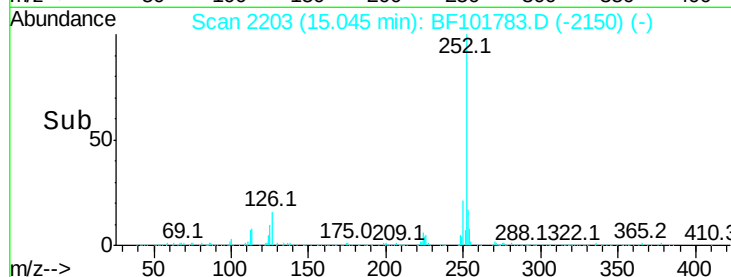
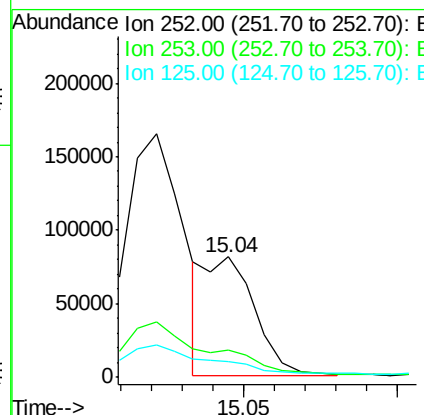
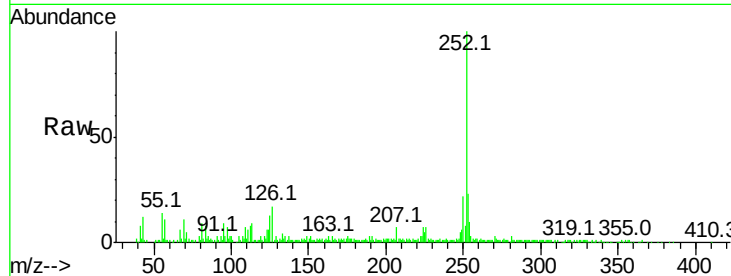
#88
Benzo(k)fluoranthene
Concen: 5.744 ng m
RT: 15.04 min Scan# 2203
Delta R.T. 0.01 min
Lab File: BF101783.D
Acq: 28 Dec 2017 00:35

Instrument :
BNA_F
ClientSampleId :
SAMPLE-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	12.7	10.2	15.2

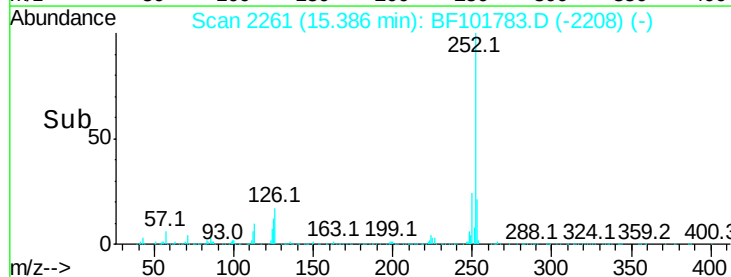
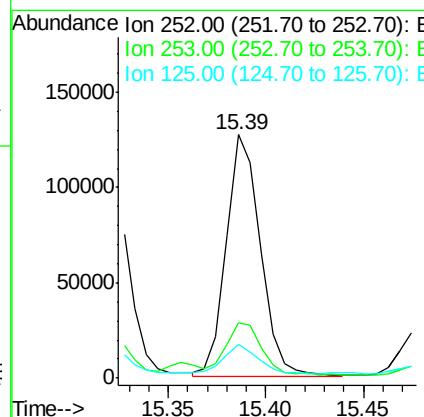
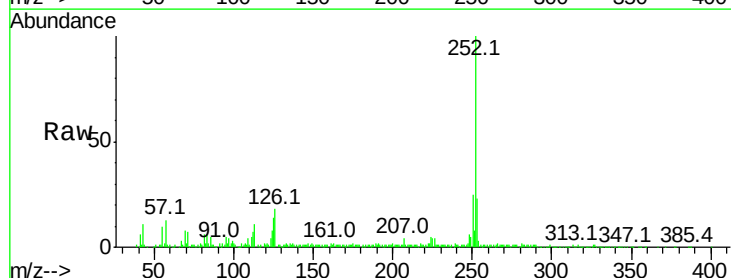
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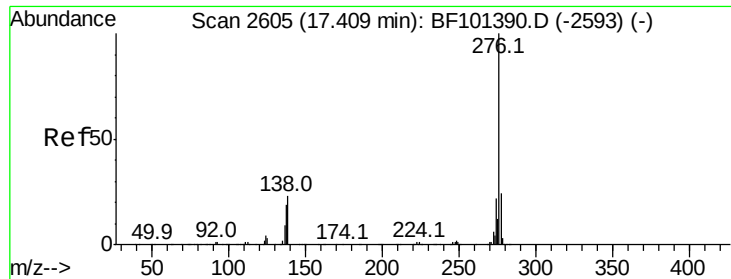
Sohil
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#89
Benzo(a)pyrene
Concen: 10.438 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.01 min
Lab File: BF101783.D
Acq: 28 Dec 2017 00:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	13.9	9.8	14.6





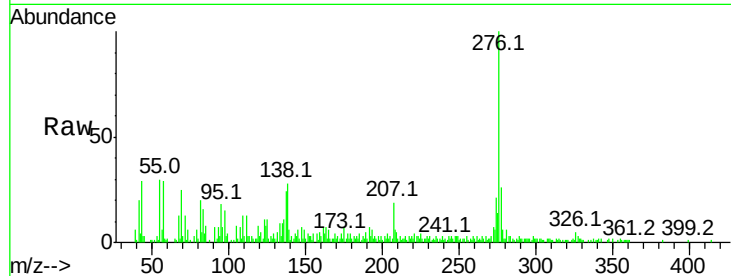
#91
 Benzo(a,h,i)perylene
 Concen: 4.868 ng
 RT: 17.40 min Scan# 2603
 Delta R.T. 0.05 min
 Lab File: BF101783.D
 Acq: 28 Dec 2017 00:35

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-7

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.2	17.9	26.9
138	28.3	21.8	32.8

Manual Integrations
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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

