

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
 Data File : BF101481.D
 Acq On : 18 Dec 2017 15:31
 Operator : SJ/JU
 Sample : I6680-17
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-121417-D

Manual Integrations
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Quant Time: Dec 19 04:46:37 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	178213	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	692844	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	286002	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	463489	20.00	ng	0.00
75) Chrysene-d12	13.99	240	325475	20.00	ng	0.00
86) Perylene-d12	15.46	264	300483	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1151170	96.22	ng	0.01
7) Phenol-d6	6.45	99	1412188	94.84	ng	0.00
23) Nitrobenzene-d5	7.38	82	890216	71.52	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	256707	93.15	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1329786	72.13	ng	0.00
78) Terphenyl-d14	12.92	244	981043	72.67	ng	0.00
Target Compounds						
48) Acenaphthylene	9.71	152	70670	2.305	ng	99
49) Dimethylphthalate	9.56	163	148373	6.450	ng	# 98
70) Phenanthrene	11.36	178	165666	6.427	ng	98
71) Anthracene	11.42	178	75823	2.880	ng	98
74) Fluoranthene	12.55	202	201657	7.454	ng	99
77) Pyrene	12.79	202	226019	9.253	ng	98
80) Benzo(a)anthracene	13.97	228	102391	4.764	ng	97
82) Chrysene	14.01	228	101599	5.007	ng	96
85) Indeno(1,2,3-cd)pyrene	16.94	276	51853	2.870	ng	# 92
87) Benzo(b)fluoranthene	15.03	252	125849m	6.871	ng	
89) Benzo(a)pyrene	15.40	252	98683	5.845	ng	# 91
91) Benzo(g,h,i)perylene	17.39	276	60768	4.233	ng	# 92

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

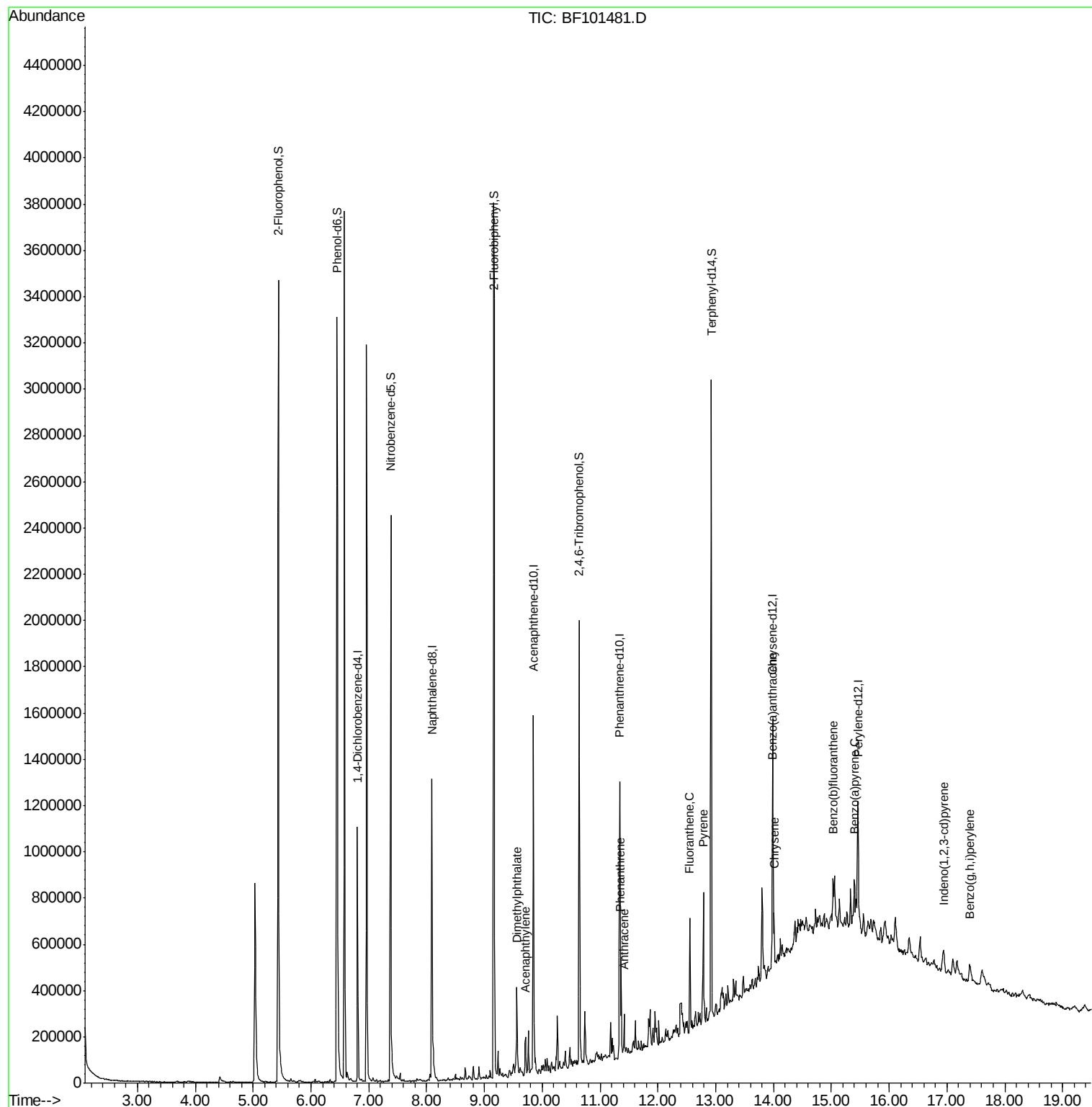
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101481.D
Acq On : 18 Dec 2017 15:31
Operator : SJ/JU
Sample : I6680-17
Misc :
ALS Vial : 10 Sample Multiplier: 1

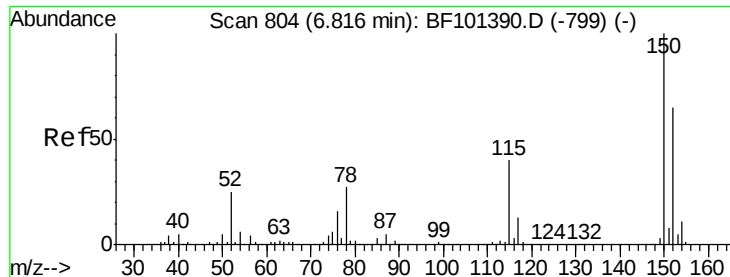
Instrument :
BNA_F
ClientSampleId :
CL-02-121417-D

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Quant Time: Dec 19 04:46:37 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

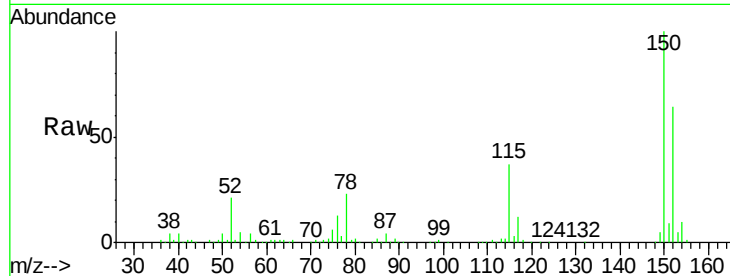
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-D

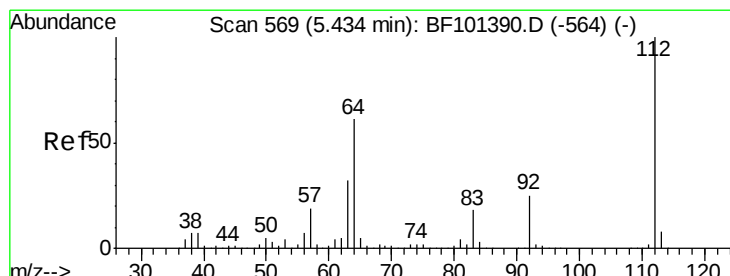
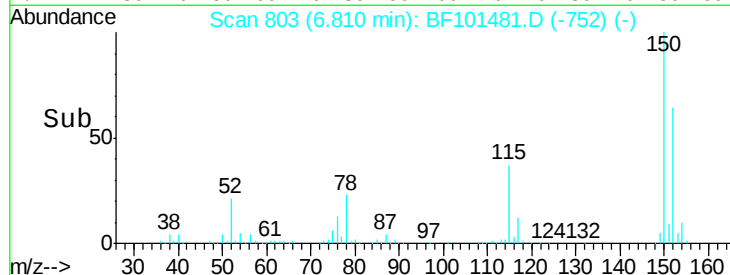
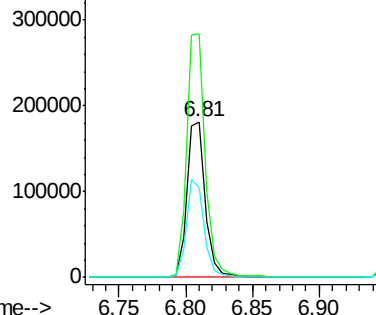
Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.6	186.8
115	57.9	50.1	75.1

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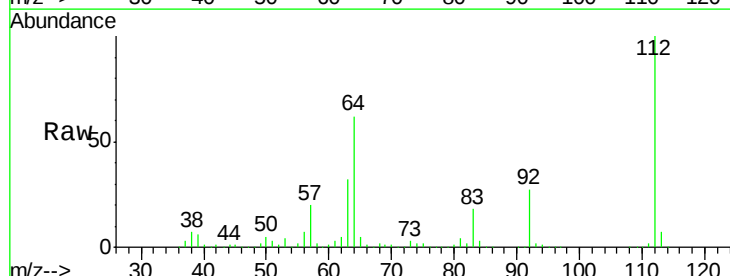
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



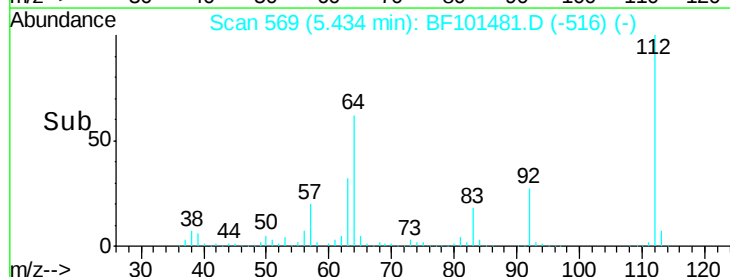
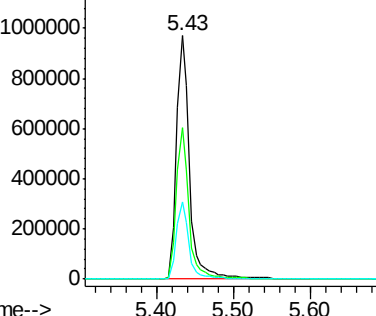
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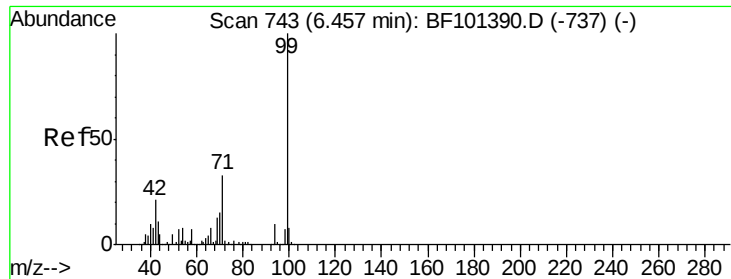
2-Fluorophenol
Concen: 96.220 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.01 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	47.9	71.9
63	31.8	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 94.844 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF101481.D

Acq: 18 Dec 2017 15:31

Instrument :

BNA_F

ClientSampleId :

CL-02-121417-D

Tgt Ion: 99 Resp: 1412188

Ion Ratio Lower Upper

99 100

42 20.8 14.5 21.7

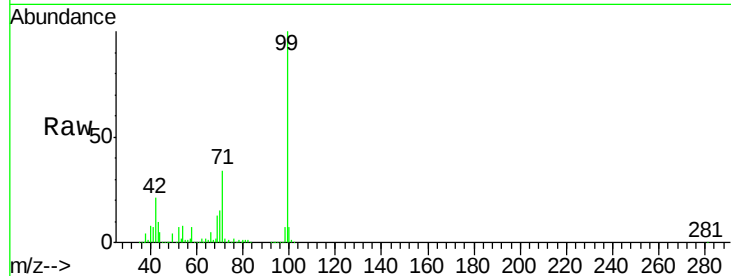
71 34.3 25.4 38.0

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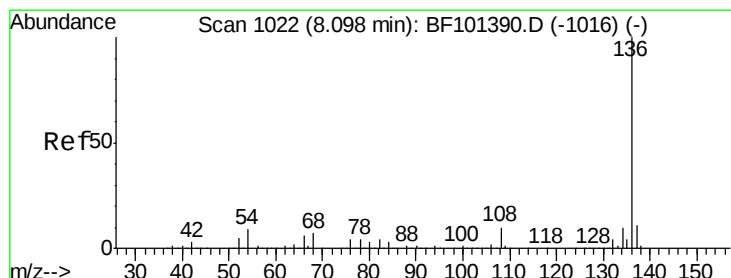
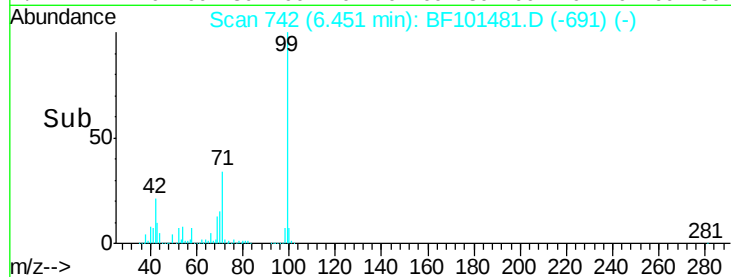
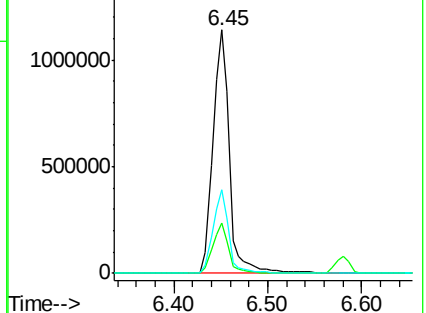
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF101481.D

Acq: 18 Dec 2017 15:31

Tgt Ion: 136 Resp: 692844

Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 8.5 6.6 9.8

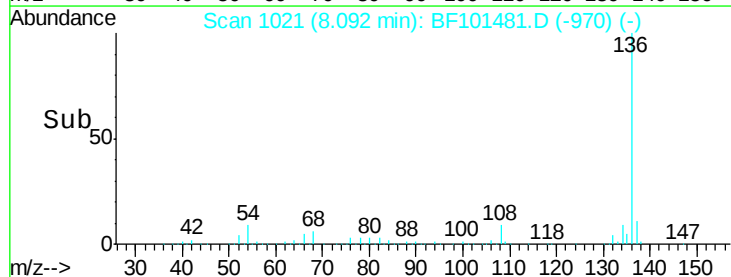
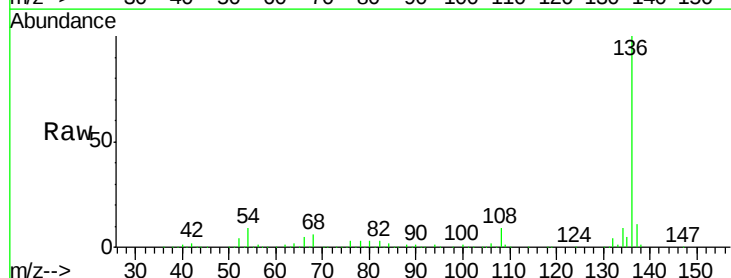
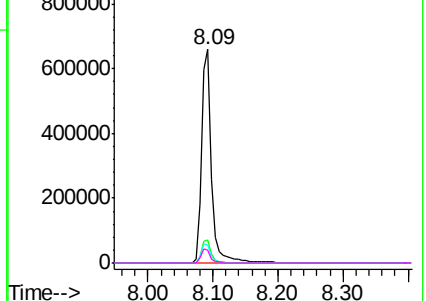
68 6.2 5.0 7.4

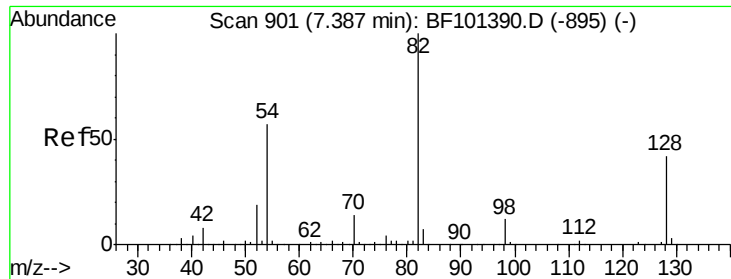
Abundance Ion 136.00 (135.70 to 136.70): E

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





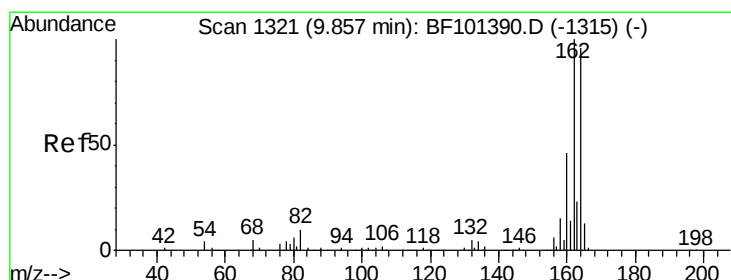
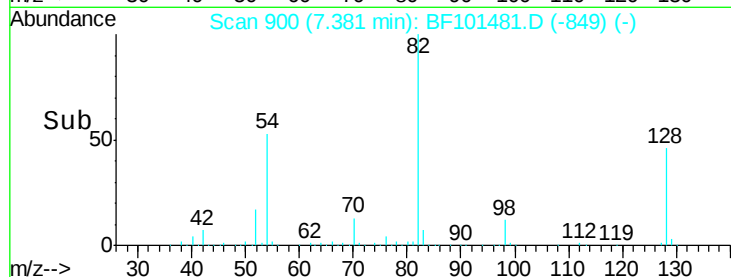
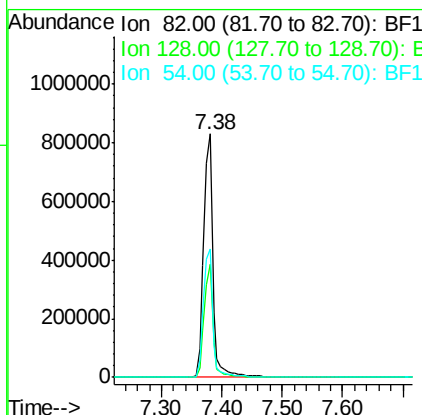
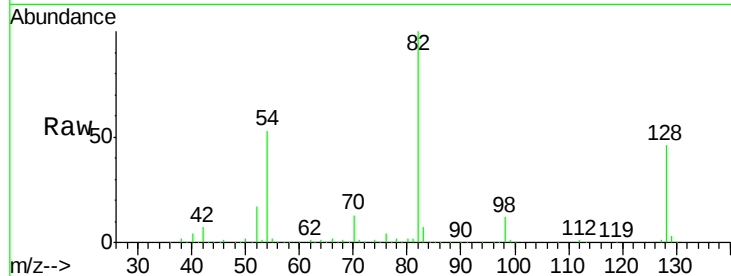
#23
Nitrobenzene-d5
Concen: 71.523 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.00 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-D

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	890216		
128	46.4	36.1	54.1	
54	52.8	41.4	62.2	

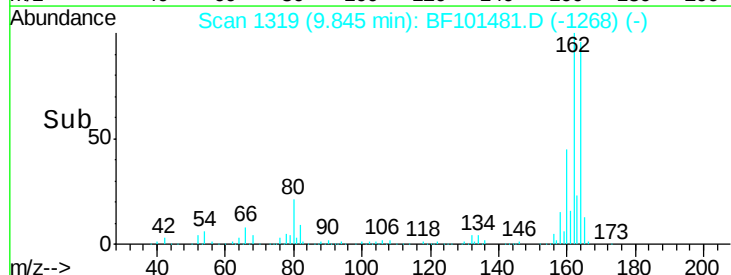
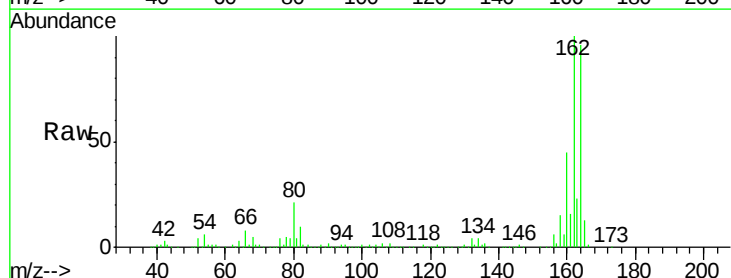
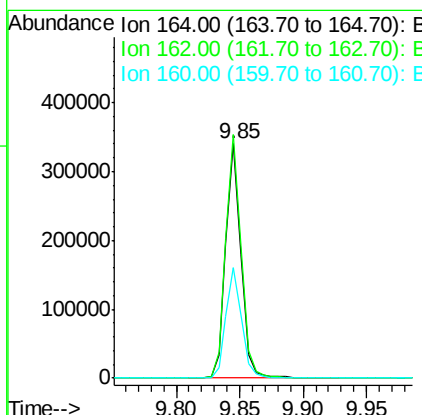
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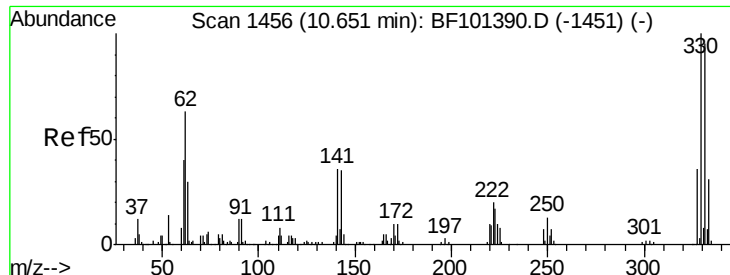
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	286002		
162	103.9	86.1	129.1	
160	47.2	38.3	57.5	





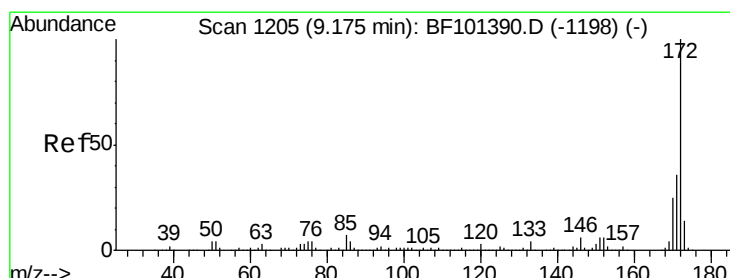
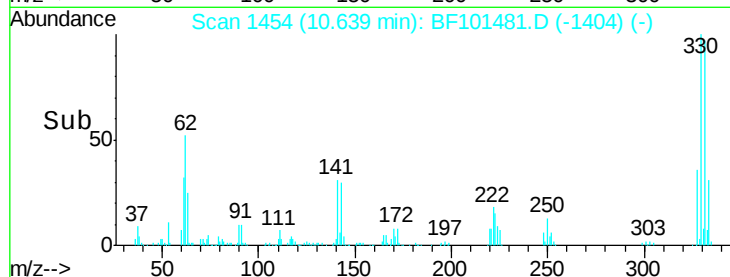
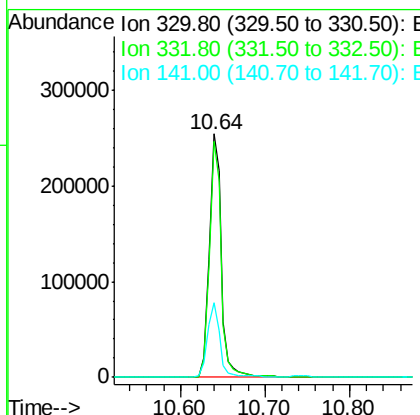
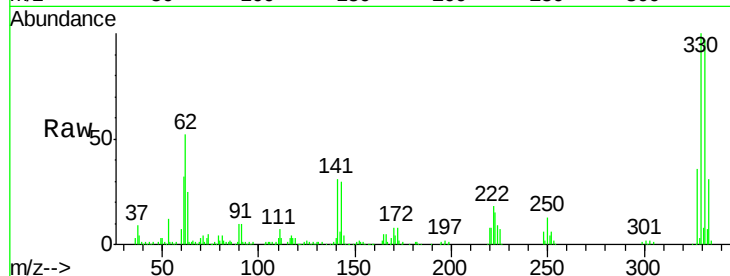
#41
 2,4,6-Tribromophenol
 Concen: 93.150 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF101481.D
 Acq: 18 Dec 2017 15:31

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-121417-D

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	30.7	29.9	44.9

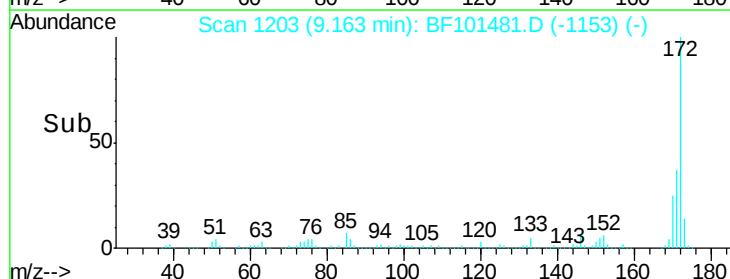
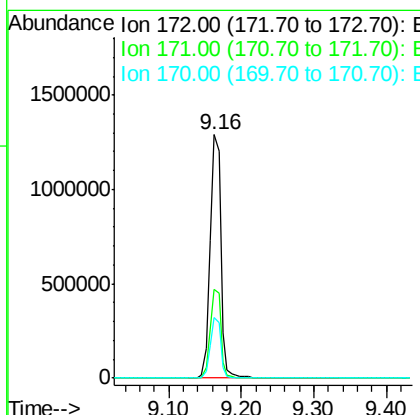
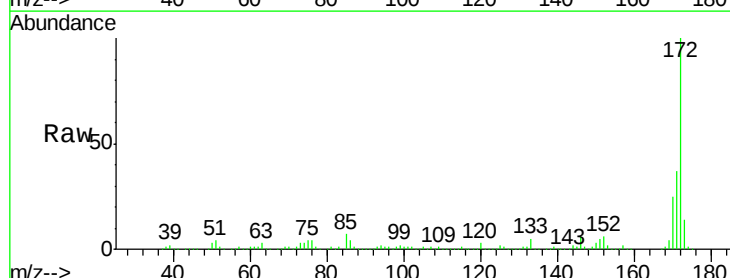
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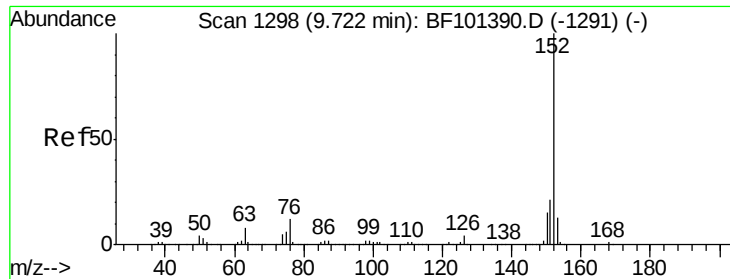
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#44
 2-Fluorobiphenyl
 Concen: 72.126 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF101481.D
 Acq: 18 Dec 2017 15:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.7	19.6	29.4





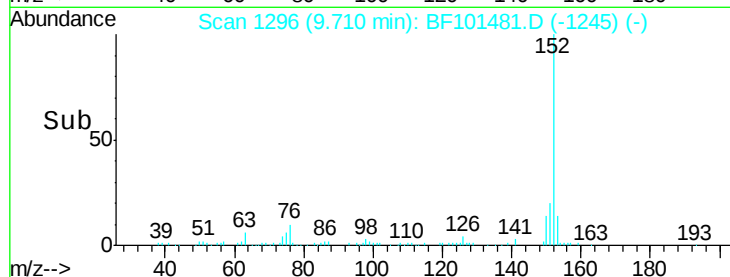
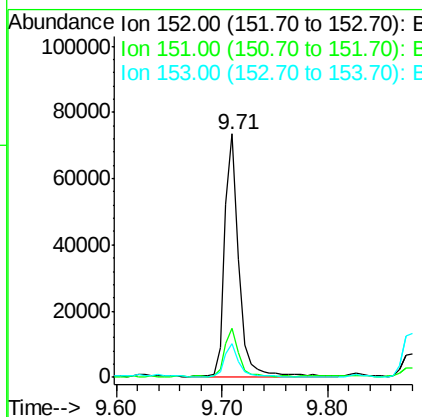
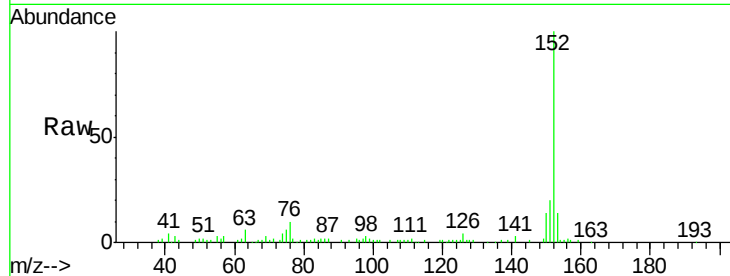
#48
Acenaphthylene
Concen: 2.305 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-D

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.3	24.5
153	14.0	10.7	16.1

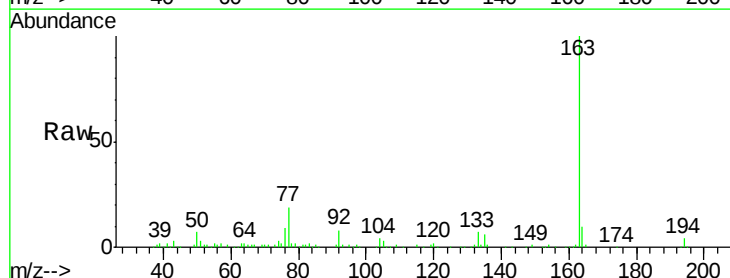
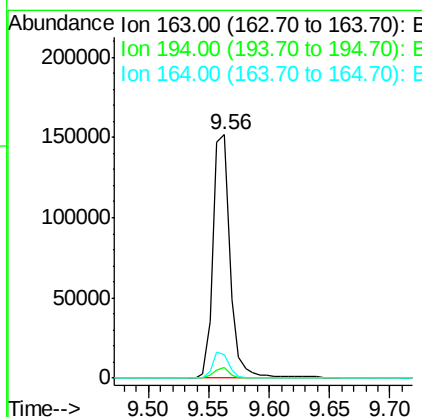
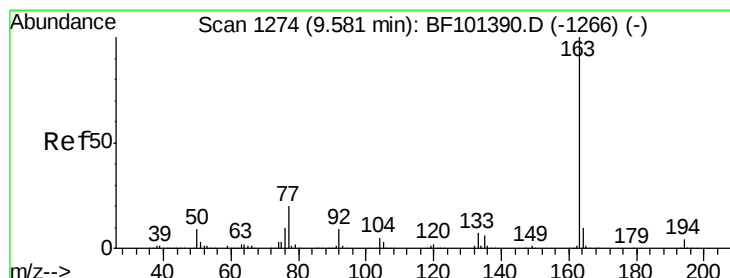
Manual Integrations
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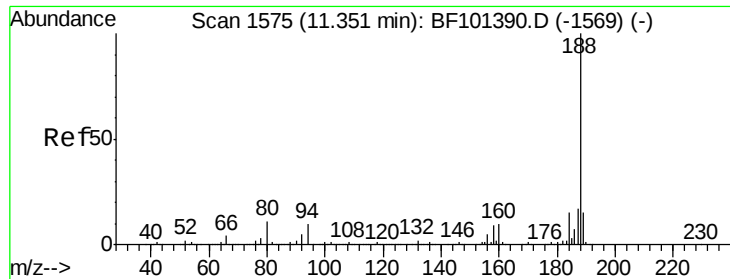
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#49
Dimethylphthalate
Concen: 6.450 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	2.7	4.1#
164	9.5	8.2	12.2





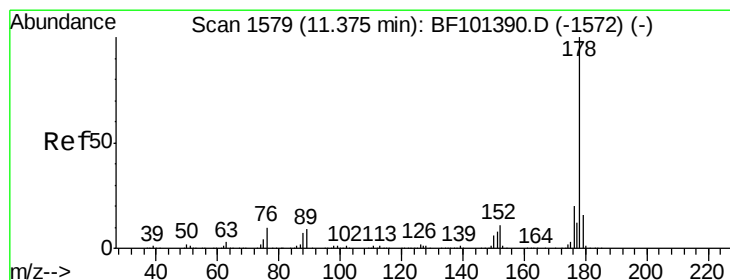
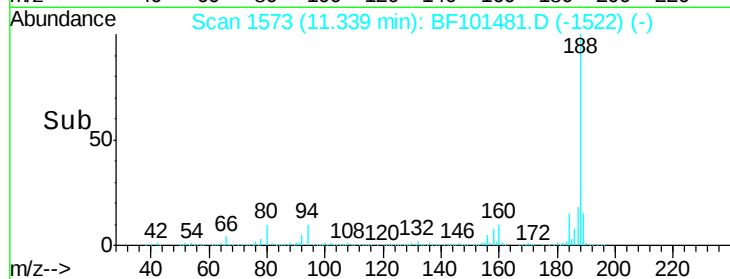
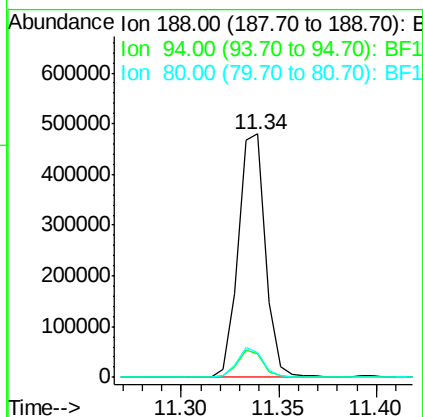
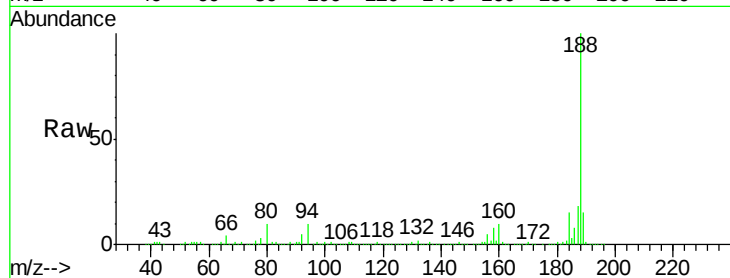
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-D

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	463489		
94	9.7		8.5	12.7
80	10.1		9.2	13.8

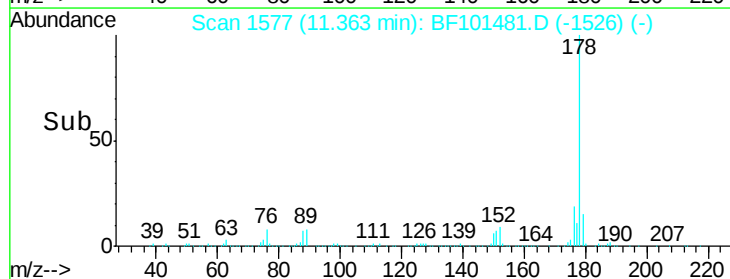
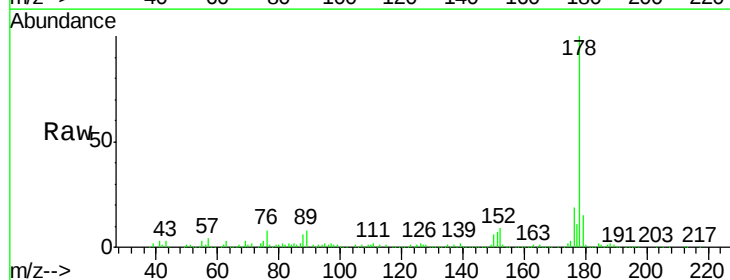
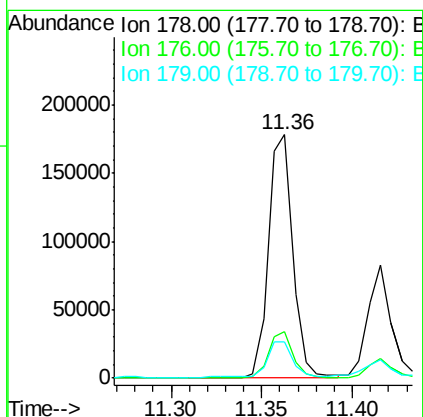
Manual Integrations
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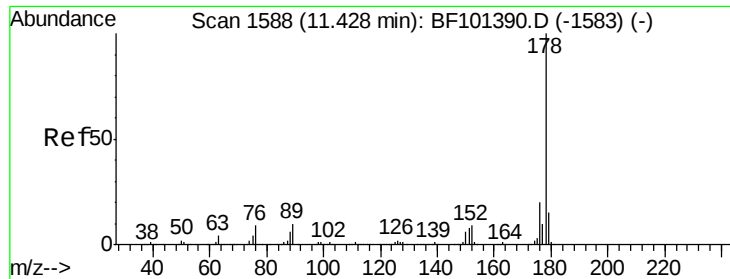
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#70
Phenanthrene
Concen: 6.427 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	165666		
176	19.0		15.8	23.8
179	15.0		13.0	19.6





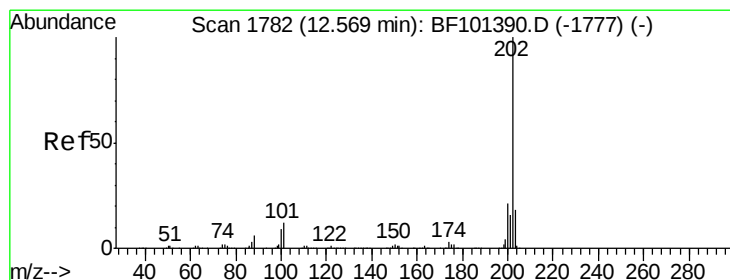
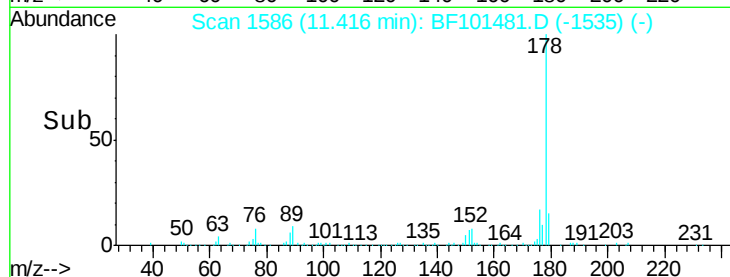
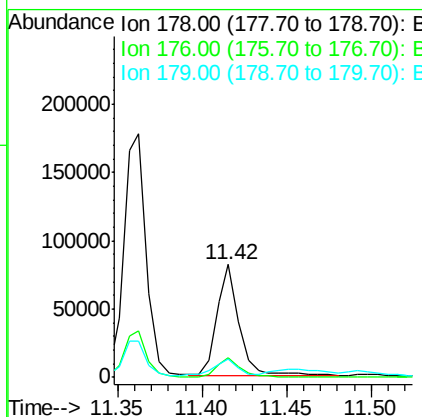
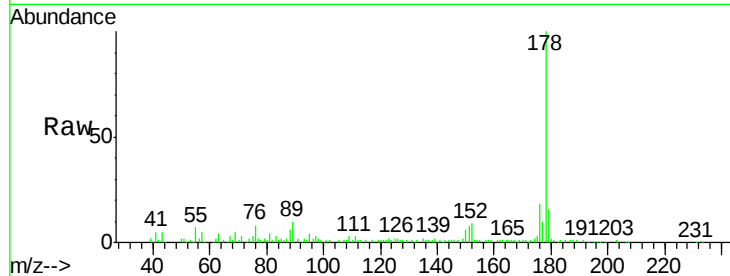
#71
 Anthracene
 Concen: 2.880 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BF101481.D
 Acq: 18 Dec 2017 15:31

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-121417-D

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.2
179	15.8	12.6	19.0

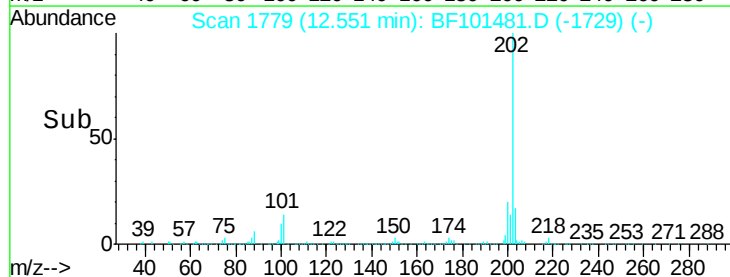
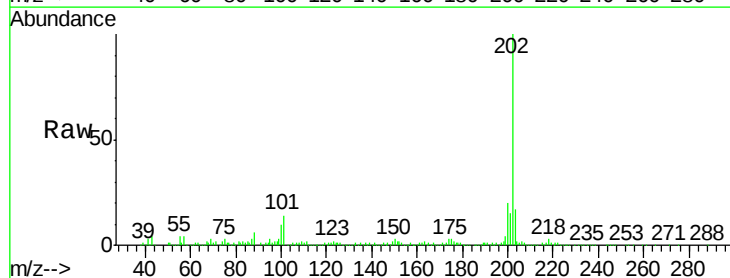
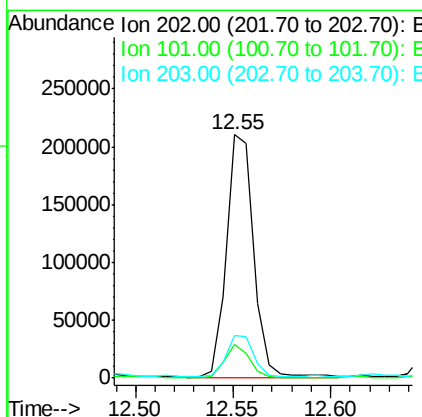
Manual Integrations
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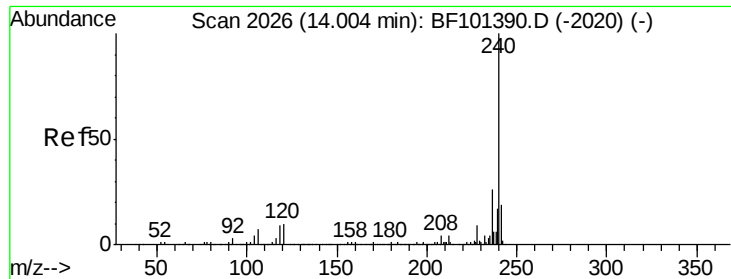
Sohil
 12/19/2017 4:49:40 PM



#74
 Fluoranthene
 Concen: 7.454 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.01 min
 Lab File: BF101481.D
 Acq: 18 Dec 2017 15:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	34.1
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF101481.D

Acq: 18 Dec 2017 15:31

Instrument :

BNA_F

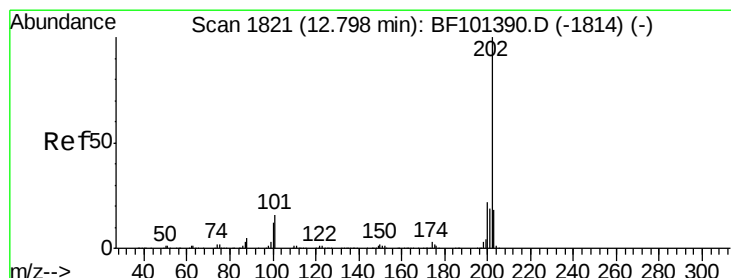
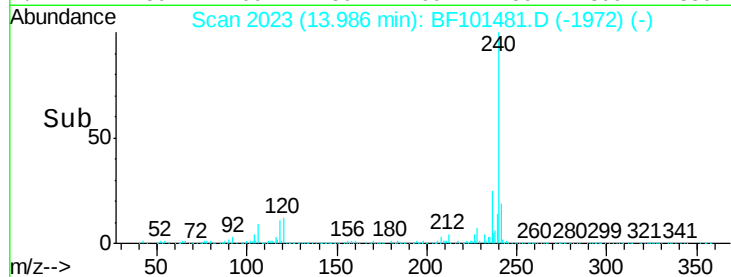
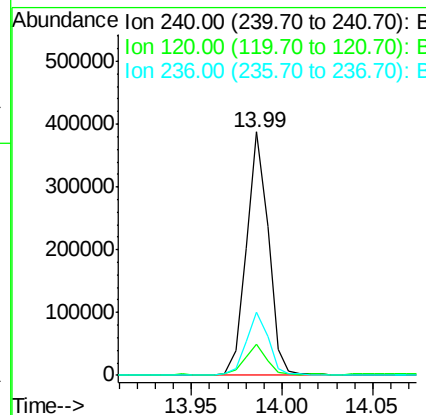
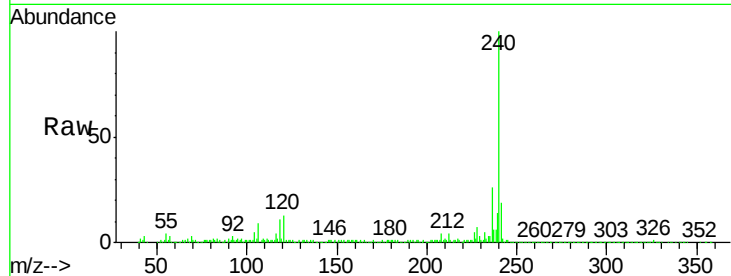
ClientSampleId :

CL-02-121417-D

Tgt Ion:	240	Resp:	325475
Ion Ratio	Lower	Upper	
240	100		
120	12.7	9.5	14.3
236	25.7	20.7	31.1

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#77

Pyrene

Concen: 9.253 ng

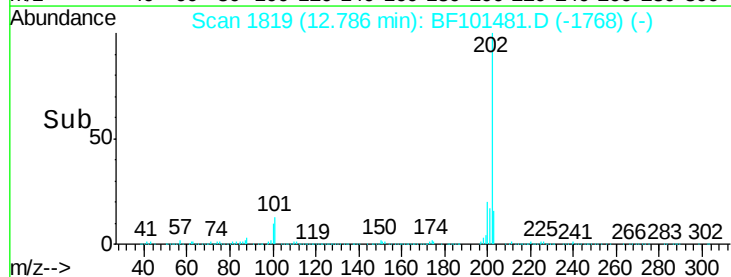
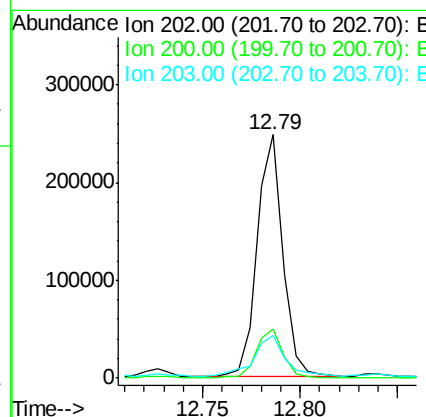
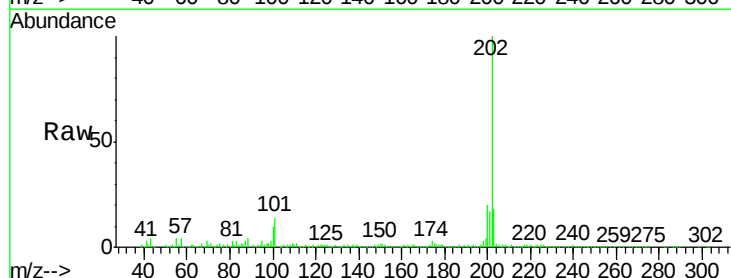
RT: 12.79 min Scan# 1819

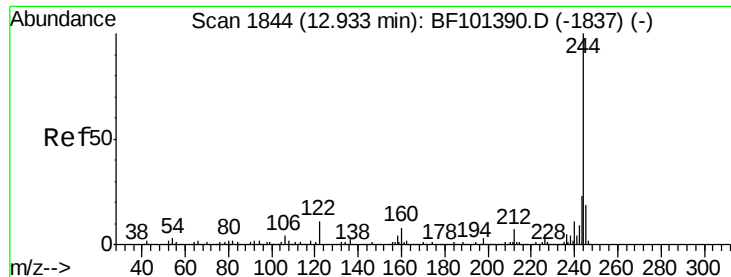
Delta R.T. -0.00 min

Lab File: BF101481.D

Acq: 18 Dec 2017 15:31

Tgt Ion:	202	Resp:	226019
Ion Ratio	Lower	Upper	
202	100		
200	20.3	17.4	26.2
203	17.7	14.3	21.5





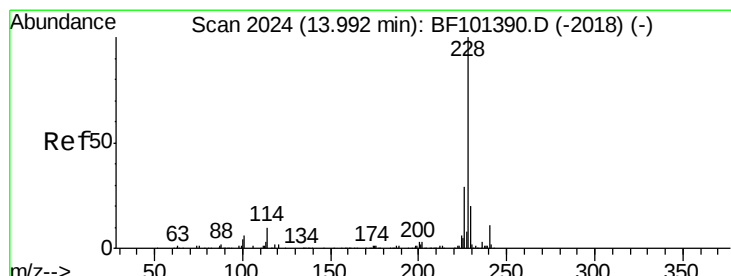
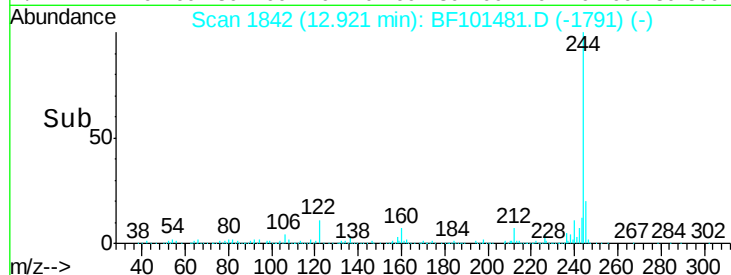
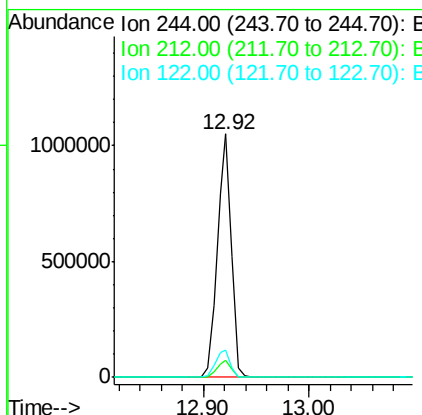
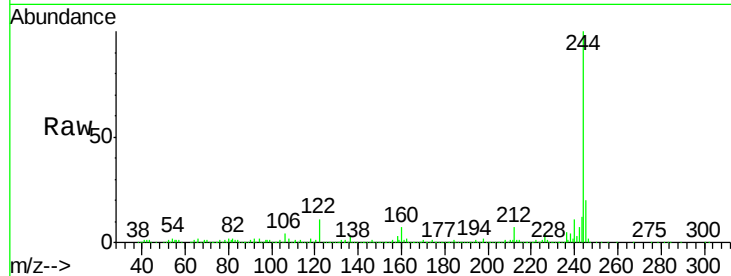
#78
 Terphenyl-d14
 Concen: 72.665 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BF101481.D
 Acq: 18 Dec 2017 15:31

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-121417-D

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	11.1	11.0	16.4

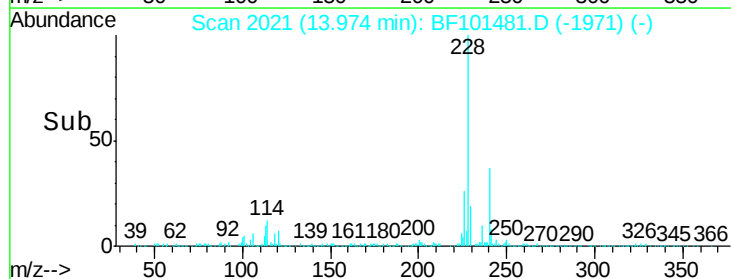
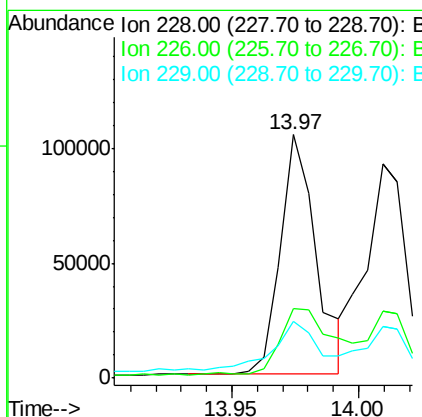
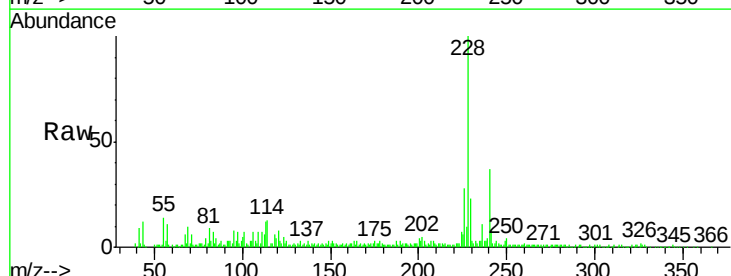
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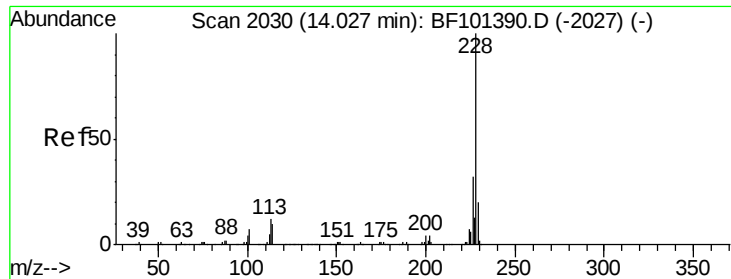
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#80
 Benzo(a)anthracene
 Concen: 4.764 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF101481.D
 Acq: 18 Dec 2017 15:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	23.3	15.8	23.6





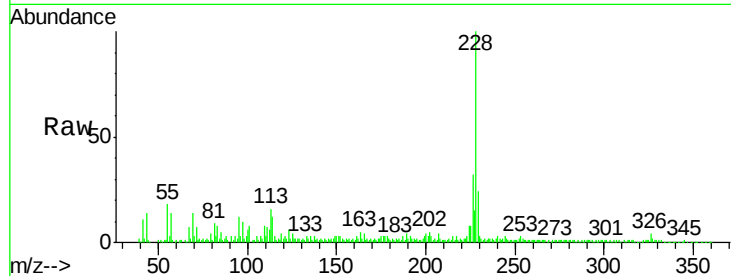
#82
Chrysene
Concen: 5.007 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-D

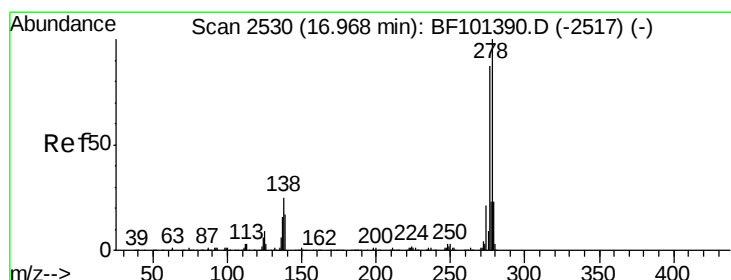
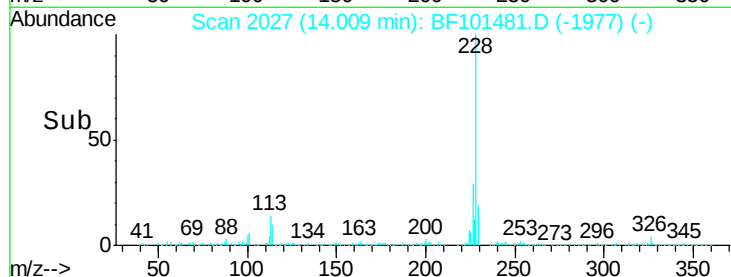
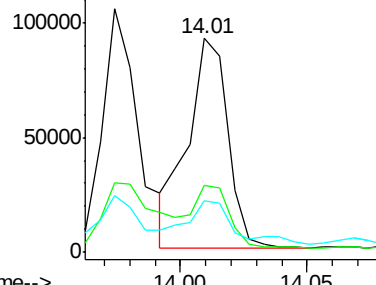
Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	31.6	25.0	37.6
229	24.1	16.2	24.4

Manual Integrations
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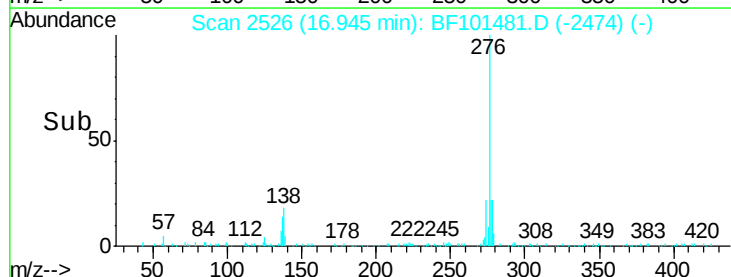
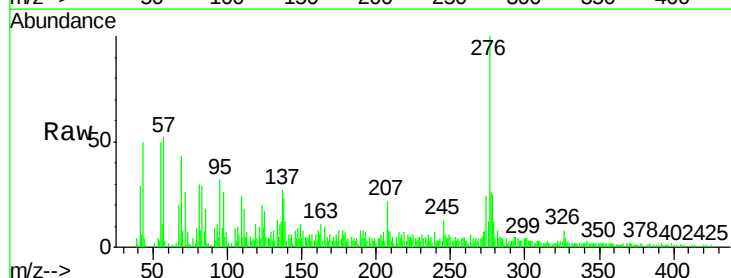
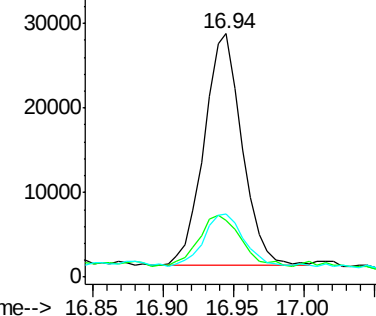
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

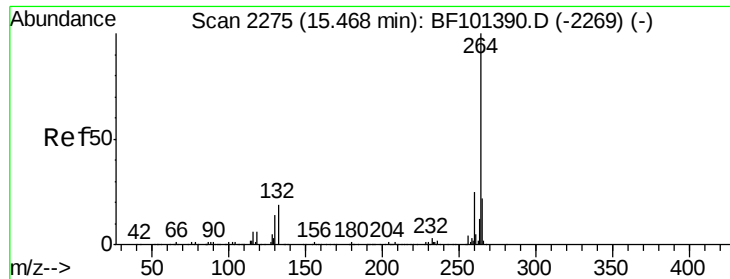


#85
Indeno(1,2,3-cd)pyrene
Concen: 2.870 ng
RT: 16.94 min Scan# 2526
Delta R.T. 0.01 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	24.3	25.0	37.6#
277	23.9	20.1	30.1

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





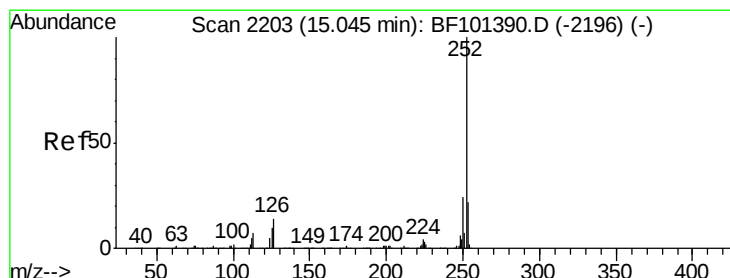
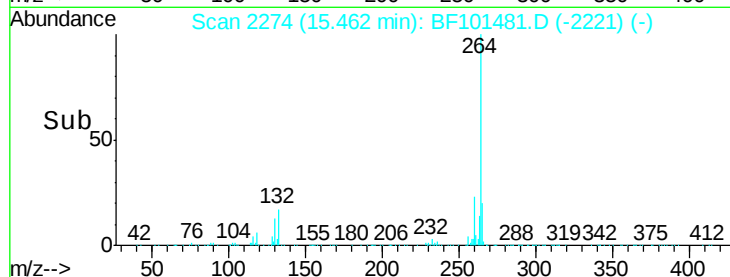
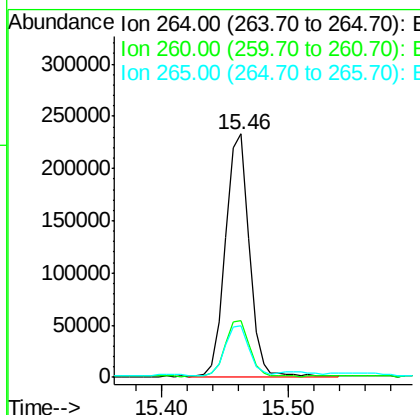
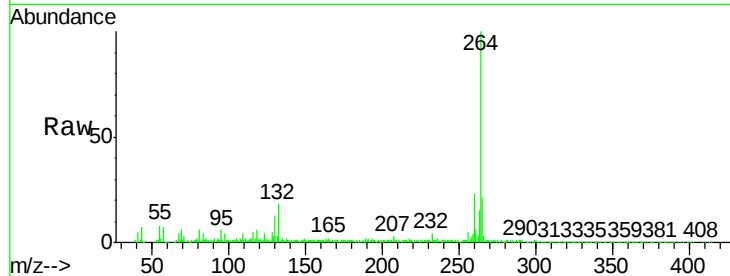
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-D

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	300483		
260	23.1	19.2	28.8	
265	21.2	17.5	26.3	

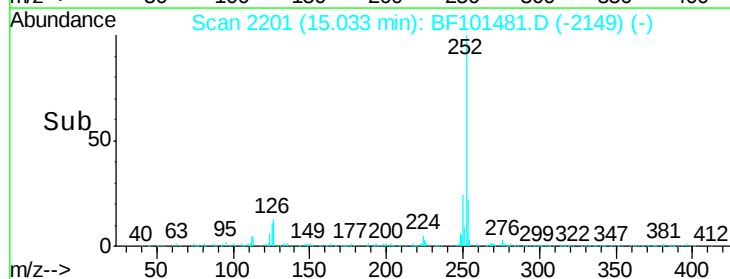
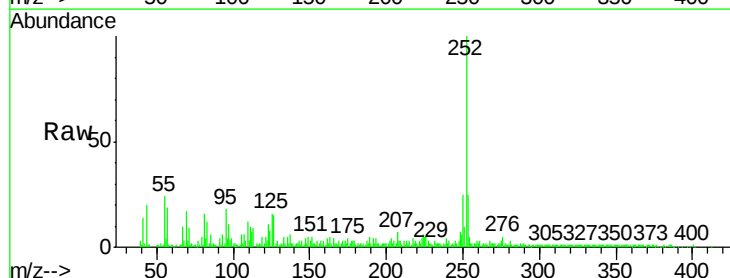
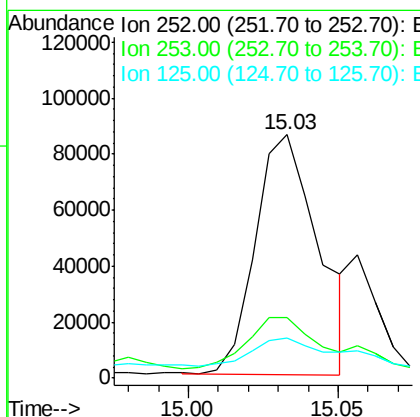
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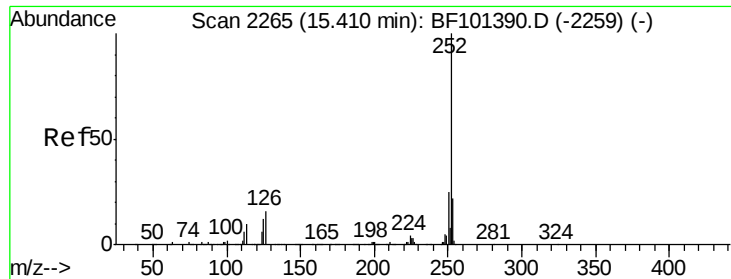
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#87
Benzo(b)fluoranthene
Concen: 6.871 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF101481.D
Acq: 18 Dec 2017 15:31

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	125849		
253	24.8	17.0	25.6	
125	16.2	9.0	13.6	





#89

Benzo(a)pyrene

Concen: 5.845 ng

RT: 15.40 min Scan# 2263

Delta R.T. 0.01 min

Lab File: BF101481.D

Acq: 18 Dec 2017 15:31

Instrument :

BNA_F

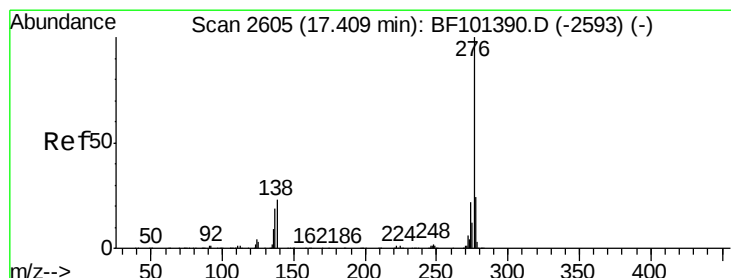
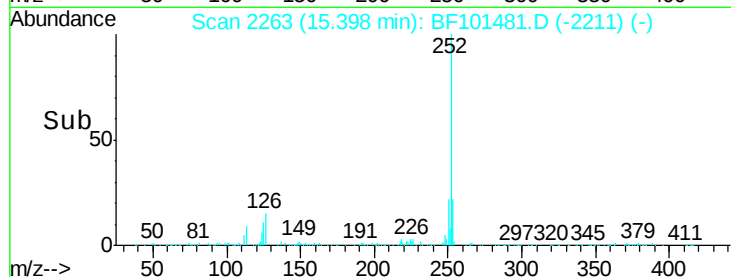
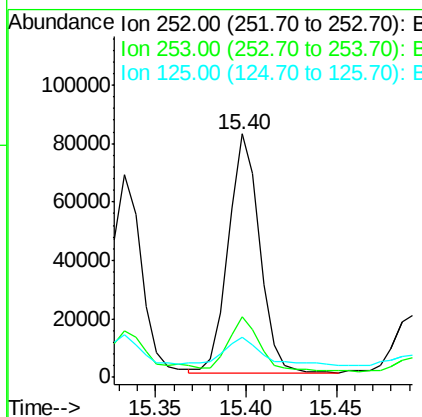
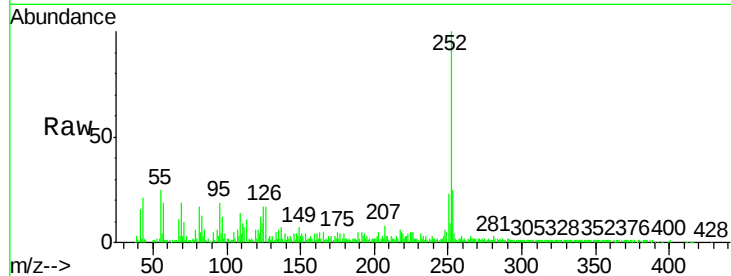
ClientSampleId :

CL-02-121417-D

Tgt Ion:	252	Resp:	98683
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.1	25.7
125	16.7	9.8	14.6

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#91

Benzo(g,h,i)perylene

Concen: 4.233 ng

RT: 17.39 min Scan# 2602

Delta R.T. 0.01 min

Lab File: BF101481.D

Acq: 18 Dec 2017 15:31

Tgt Ion:	276	Resp:	60768
Ion Ratio	Lower	Upper	
276	100		
277	27.5	17.9	26.9
138	30.8	21.8	32.8

