

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\
 Data File : BF107014.D
 Acq On : 30 Jun 2018 15:02
 Operator : JU/SJ
 Sample : J3600-03 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-3

Manual Integrations
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Sohil
 7/2/2018 12:30:06 PM

Quant Time: Jul 02 05:37:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	63509	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	230639	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	99072	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	186471	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	213905	20.00	ng	-0.02
86) Perylene-d12	15.69	264	153864	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	76000	20.26	ng	-0.01
7) Phenol-d6	6.60	99	91615	19.56	ng	-0.02
23) Nitrobenzene-d5	7.51	82	51326	12.37	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	21469	18.70	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	103837	3.62	ng	-0.02
78) Terphenyl-d14	13.07	244	126279	14.30	ng	-0.02
Target Compounds						
70) Phenanthrene	11.51	178	141366	15.718	ng	99
71) Anthracene	11.57	178	45122	4.915	ng	98
74) Fluoranthene	12.71	202	242323	24.445	ng	94
77) Pyrene	12.94	202	218154	15.466	ng	98
80) Benzo(a)anthracene	14.14	228	133417	10.234	ng	99
82) Chrysene	14.17	228	114855	9.576	ng	96
83) Bis(2-ethylhexyl)phthalate	14.09	149	16584	2.237	ng	# 97
85) Indeno(1,2,3-cd)pyrene	17.27	276	42321	4.158	ng	# 87
87) Benzo(b)fluoranthene	15.24	252	130750m	13.680	ng	
88) Benzo(k)fluoranthene	15.26	252	43147m	4.740	ng	
89) Benzo(a)pyrene	15.62	252	81896	9.638	ng	96
91) Benzo(a,h,i)perylene	17.75	276	38580	5.481	ng	# 85

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

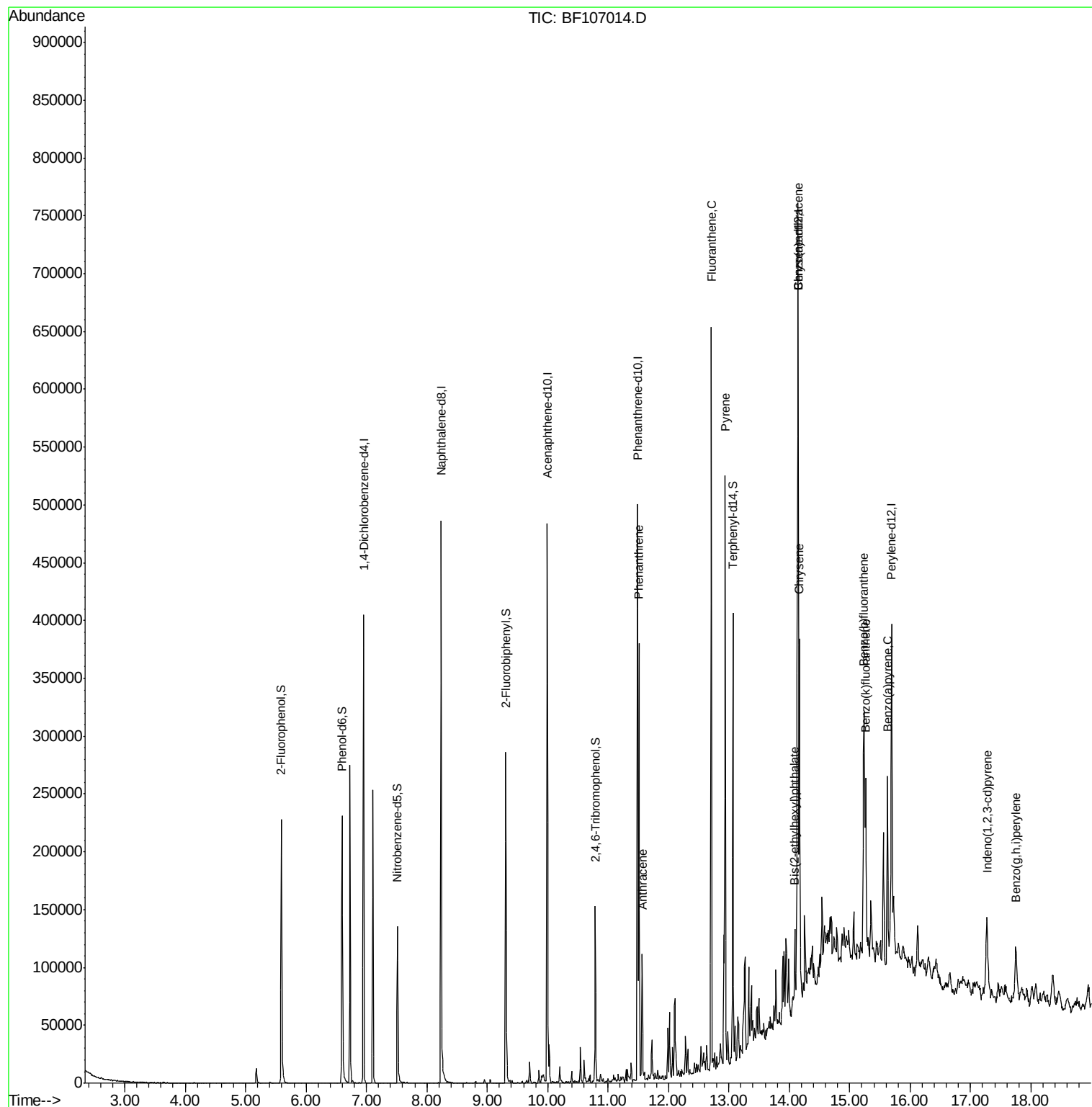
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\
Data File : BF107014.D
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Misc :
ALS Vial : 11 Sample Multiplier: 1

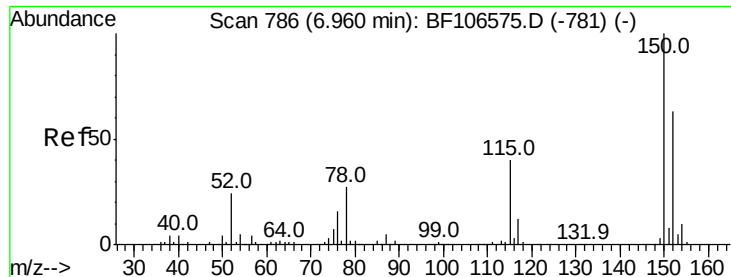
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

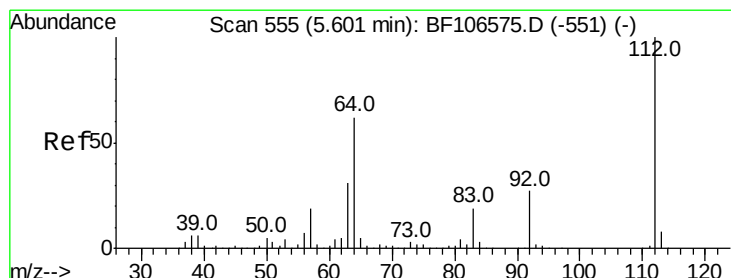
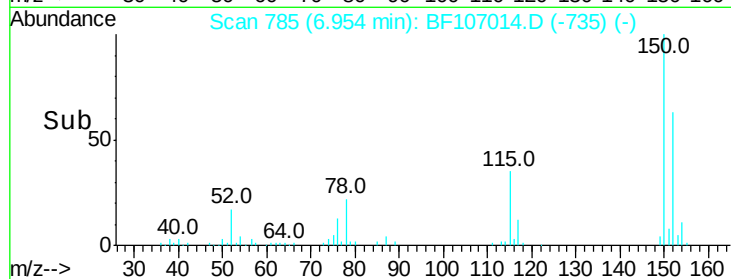
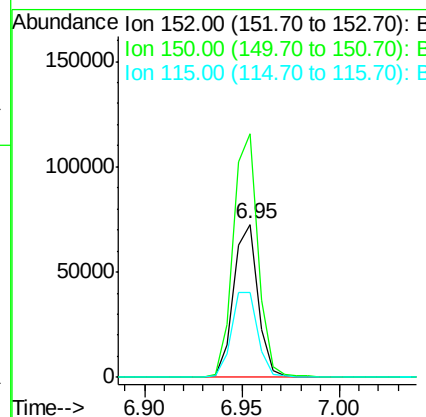
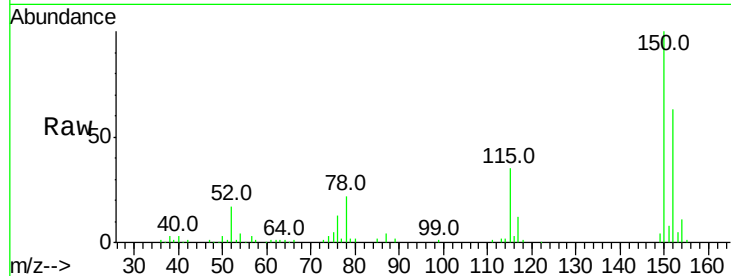
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107014.D
Acq: 30 Jun 2018 15:02

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-3

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	55.7	50.1	75.1

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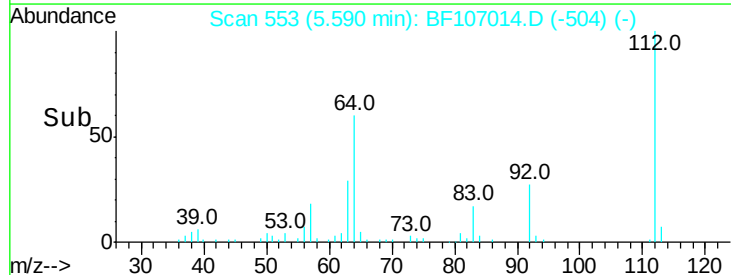
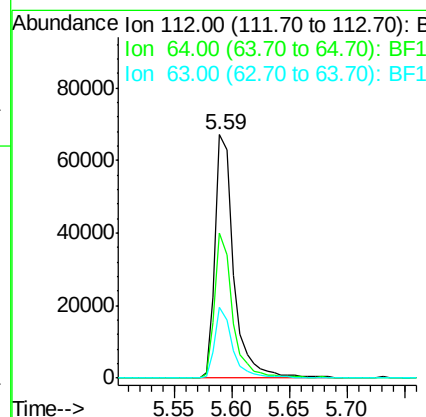
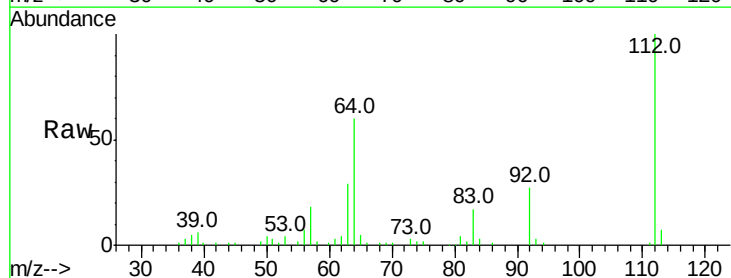
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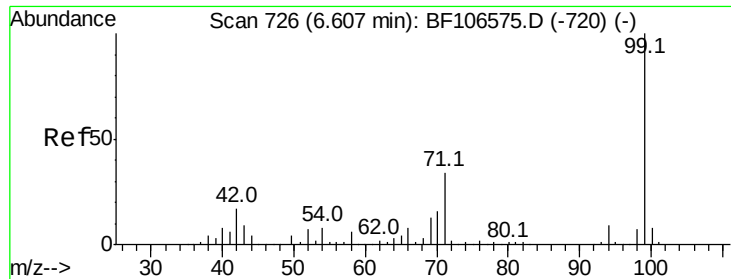


#5

2-Fluorophenol
Concen: 20.264 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107014.D
Acq: 30 Jun 2018 15:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	47.9	71.9
63	28.9	23.7	35.5





#7

Phenol-d6

Concen: 19.560 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107014.D

Acq: 30 Jun 2018 15:02

Instrument :

BNA_F

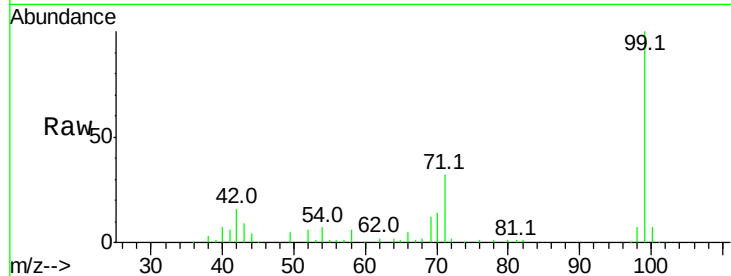
ClientSampleId :

DOCUMENTATION-3

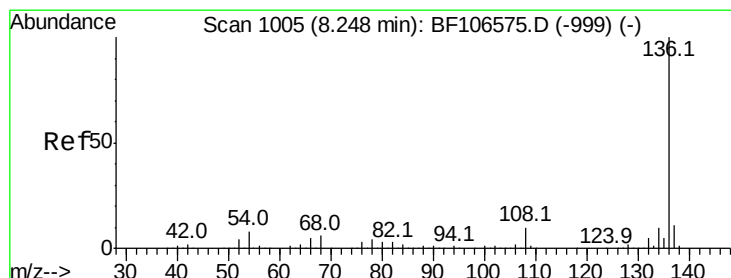
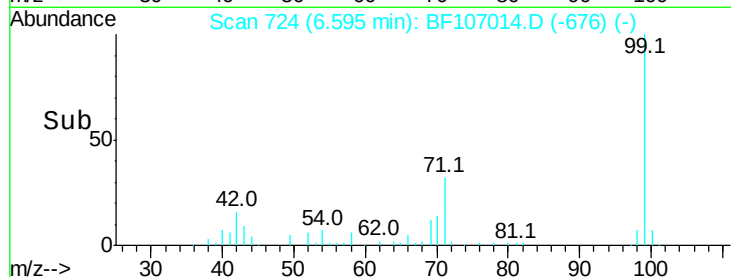
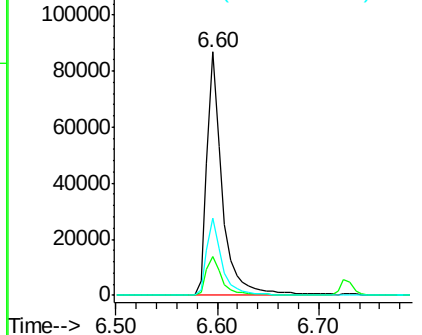
Tot Ion:	99	Resp:	91615
Ion Ratio	Lower	Upper	
99	100		
42	16.1	14.5	21.7
71	31.7	25.4	38.0

Manual Integrations
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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: 8.24 min Scan# 1003

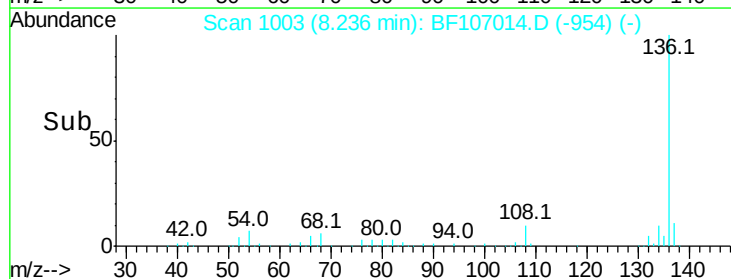
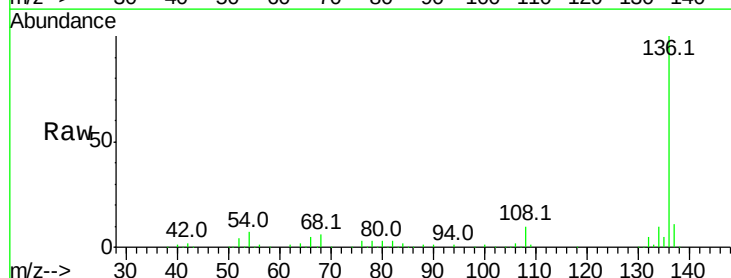
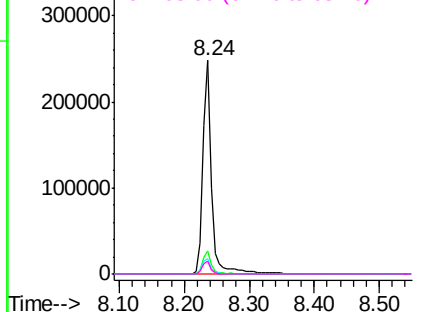
Delta R.T. -0.01 min

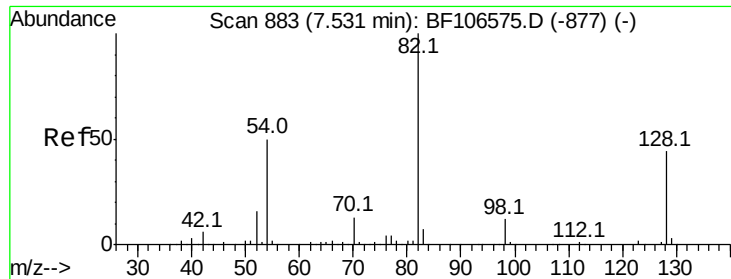
Lab File: BF107014.D

Acq: 30 Jun 2018 15:02

Tgt Ion:	136	Resp:	230639
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	7.2	6.6	9.8
68	5.7	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





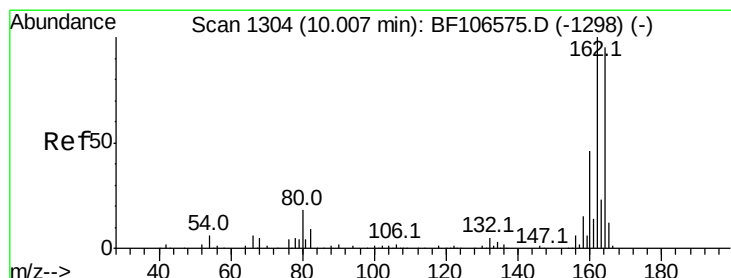
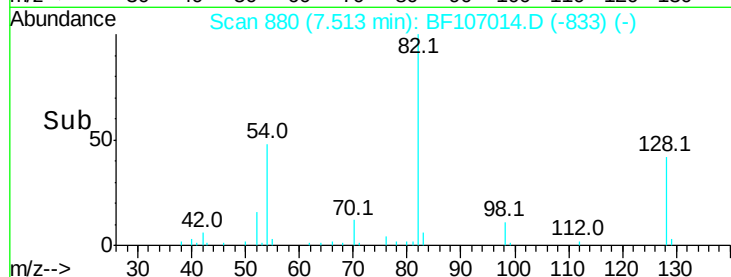
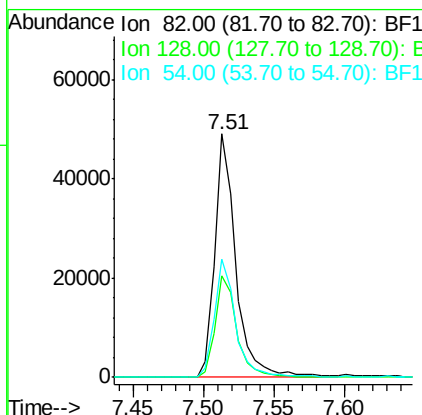
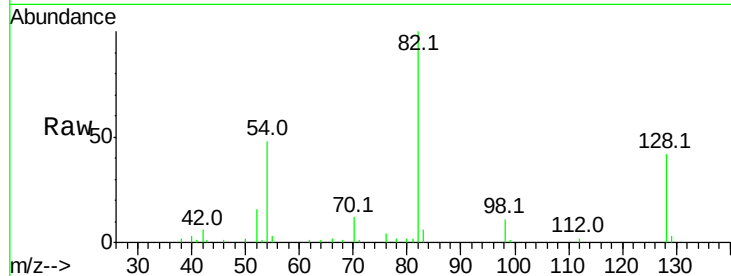
#23
 Nitrobenzene-d5
 Concen: 12.367 ng
 RT: 7.51 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF107014.D
 Acq: 30 Jun 2018 15:02

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-3

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.6	36.1	54.1
54	48.5	41.4	62.2

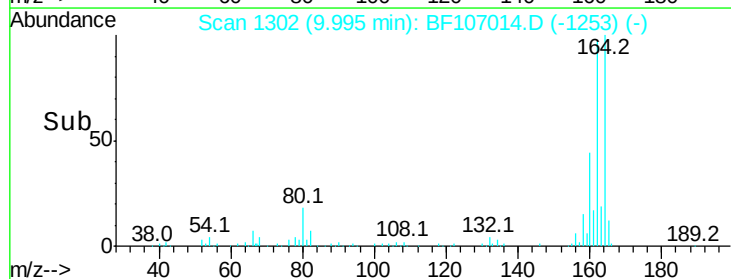
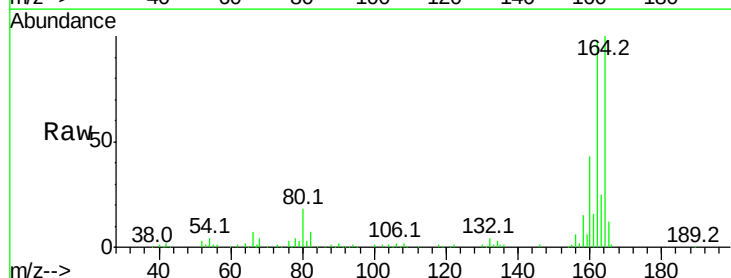
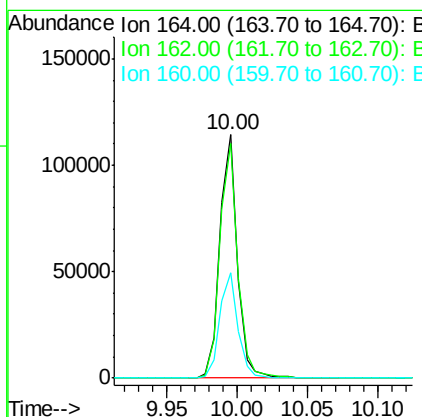
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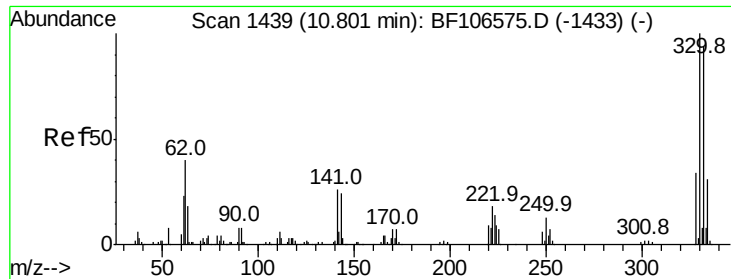
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.01 min
 Lab File: BF107014.D
 Acq: 30 Jun 2018 15:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.6	86.1	129.1
160	43.2	38.3	57.5





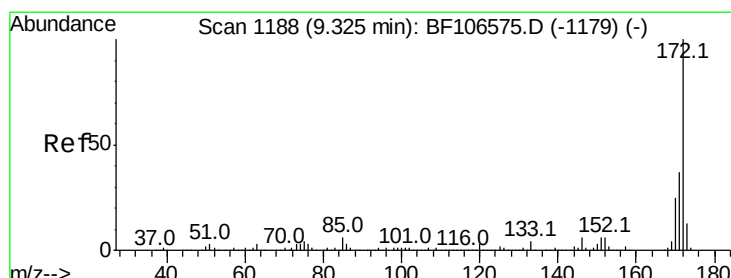
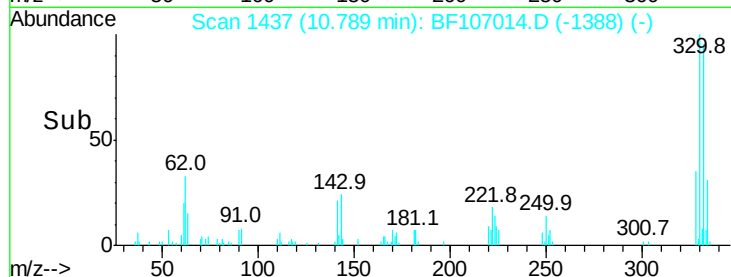
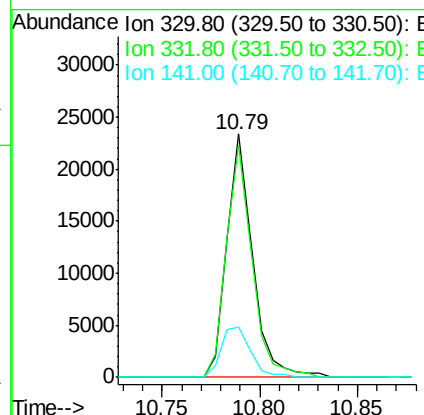
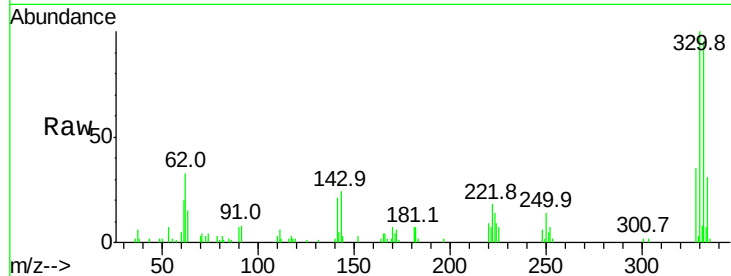
#41
 2,4,6-Tribromophenol
 Concen: 18.697 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107014.D
 Acq: 30 Jun 2018 15:02

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-3

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	77.0	115.6
141	23.9	29.9	44.9#

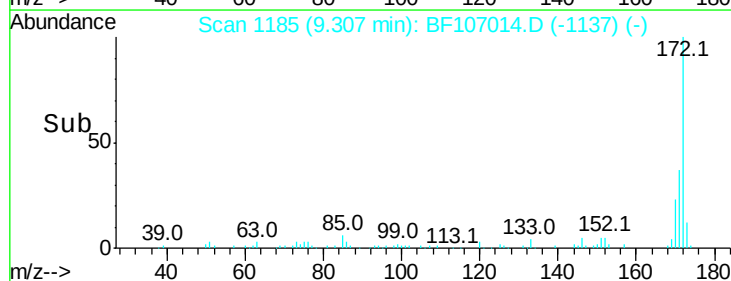
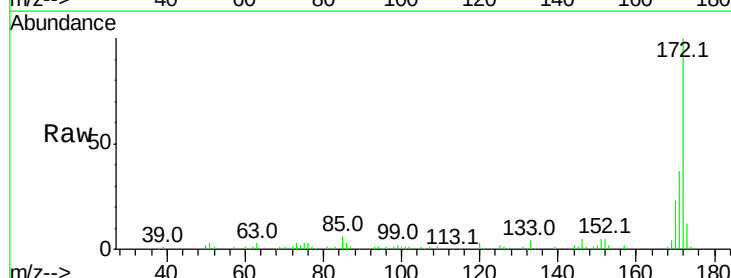
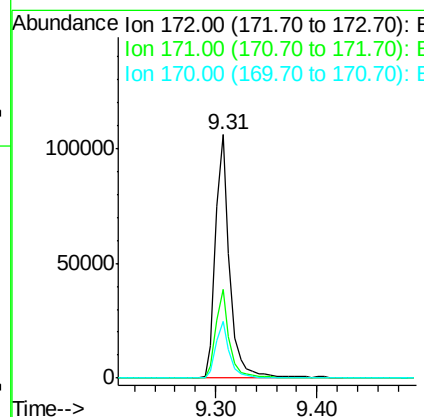
Manual Integrations
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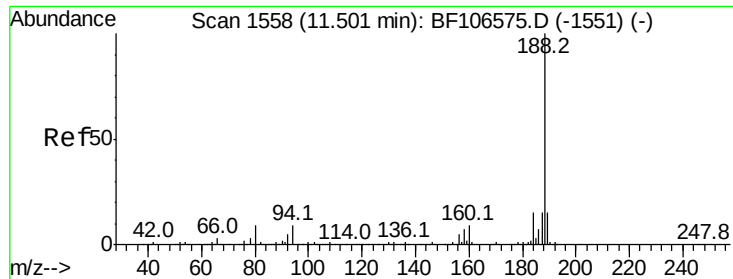
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#44
 2-Fluorobiphenyl
 Concen: 3.617 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107014.D
 Acq: 30 Jun 2018 15:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	23.1	19.6	29.4





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF107014.D

Acq: 30 Jun 2018 15:02

Instrument :

BNA_F

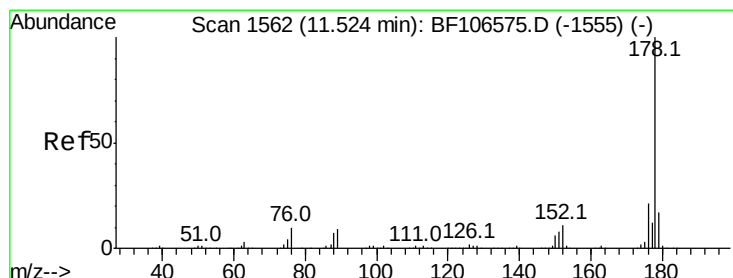
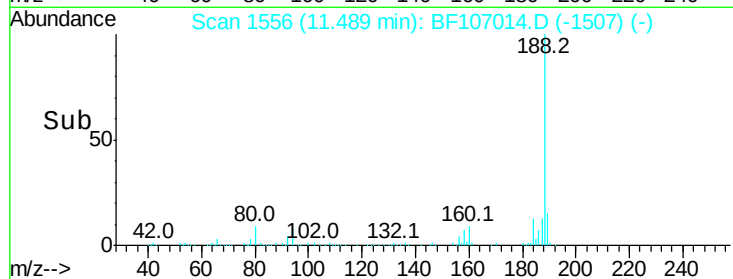
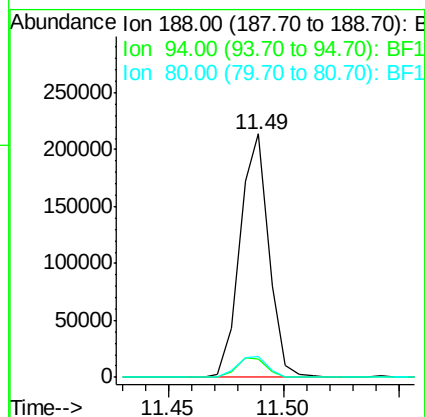
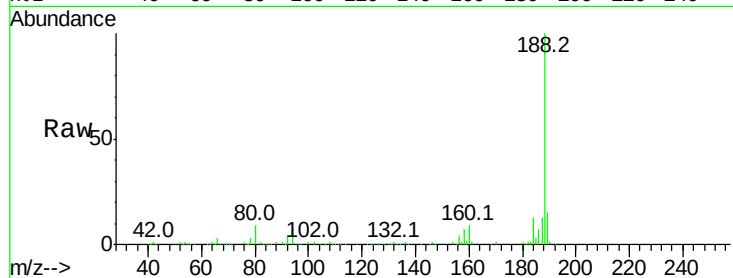
ClientSampleId :

DOCUMENTATION-3

Tot Ion:	188	Resp:	186471
Ion Ratio	Lower	Upper	
188	100		
94	7.8	8.5	12.7#
80	8.7	9.2	13.8#

Manual Integrations
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#70

Phenanthrene

Concen: 15.718 ng

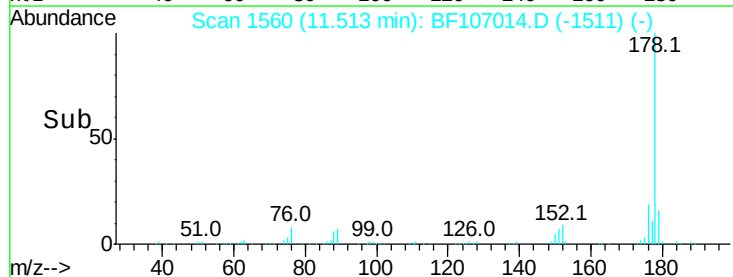
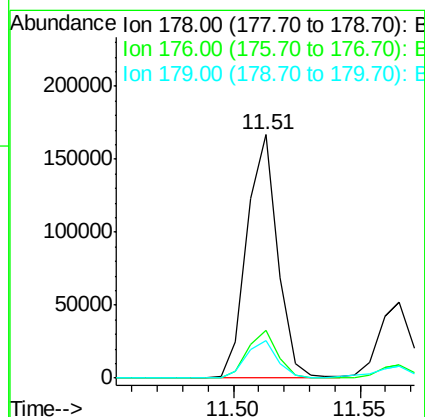
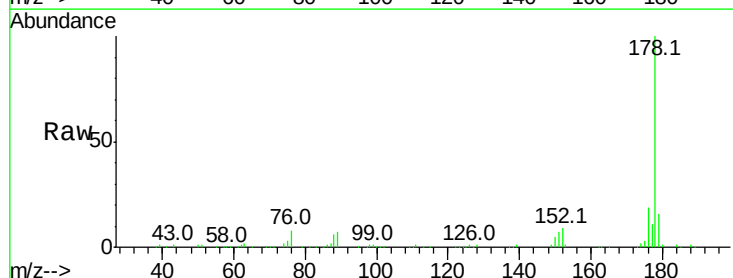
RT: 11.51 min Scan# 1560

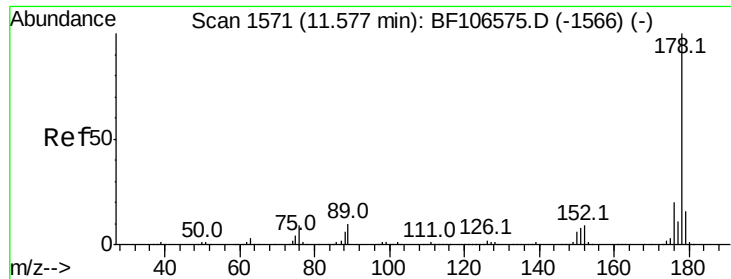
Delta R.T. -0.01 min

Lab File: BF107014.D

Acq: 30 Jun 2018 15:02

Tgt Ion:	178	Resp:	141366
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.8	23.8
179	15.7	13.0	19.6





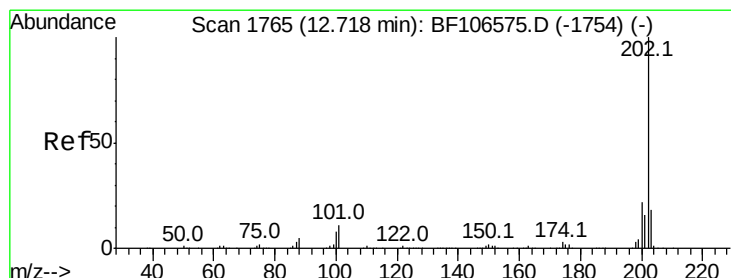
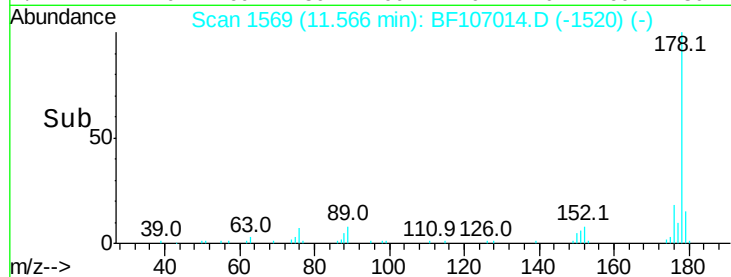
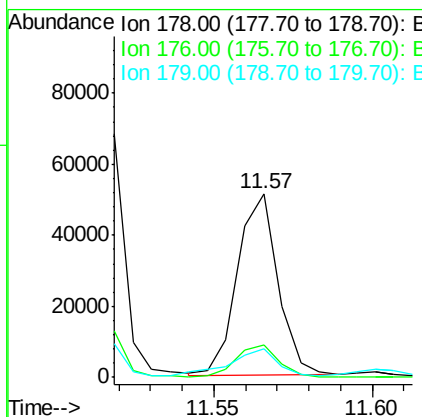
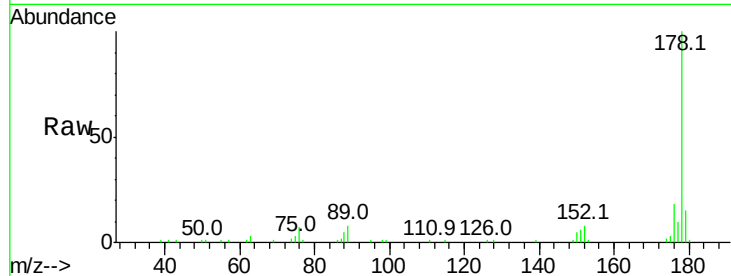
#71
 Anthracene
 Concen: 4.915 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF107014.D
 Acq: 30 Jun 2018 15:02

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	15.3	12.6	19.0

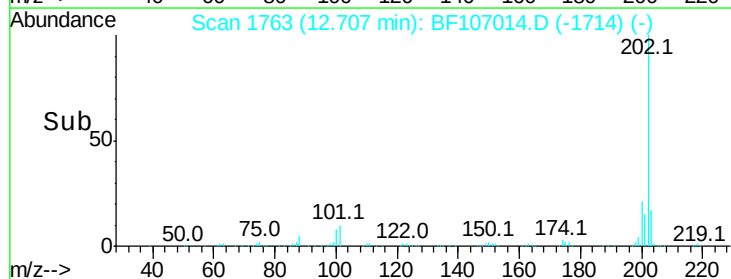
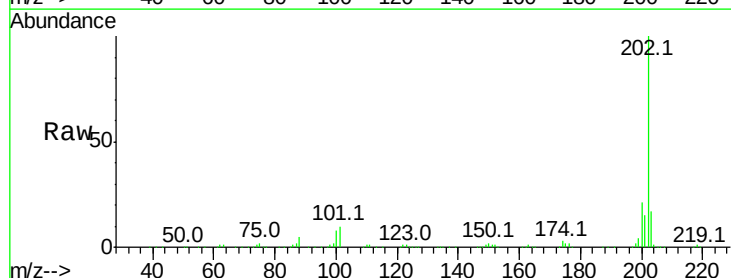
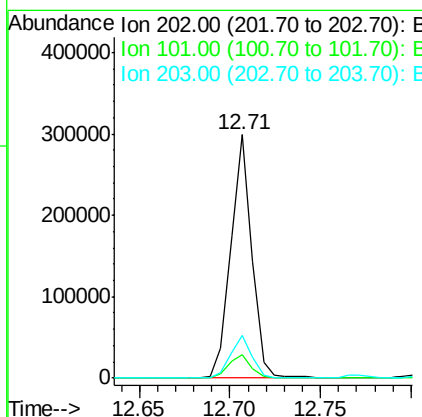
Manual Integrations
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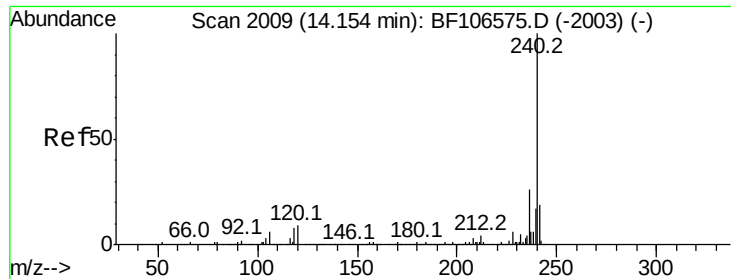
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#74
 Fluoranthene
 Concen: 24.445 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BF107014.D
 Acq: 30 Jun 2018 15:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	34.1
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107014.D

Acq: 30 Jun 2018 15:02

Instrument :

BNA_F

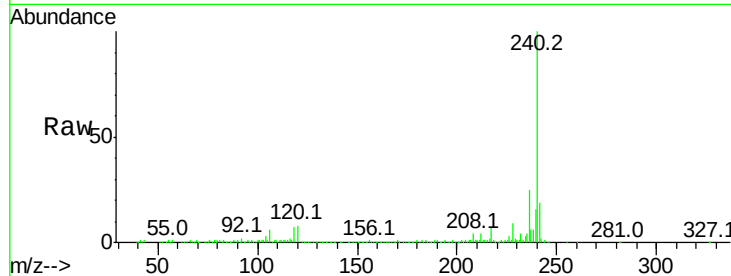
ClientSampleId :

DOCUMENTATION-3

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.0	9.5	14.3#
236	25.2	20.7	31.1

Manual Integrations
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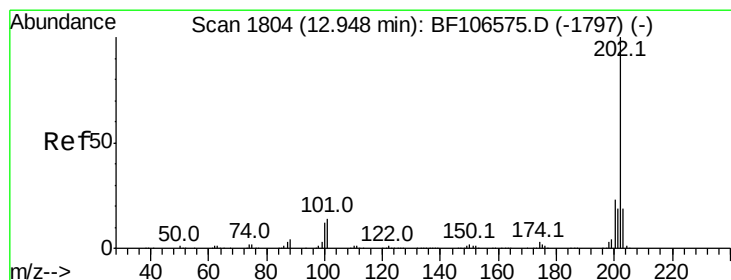
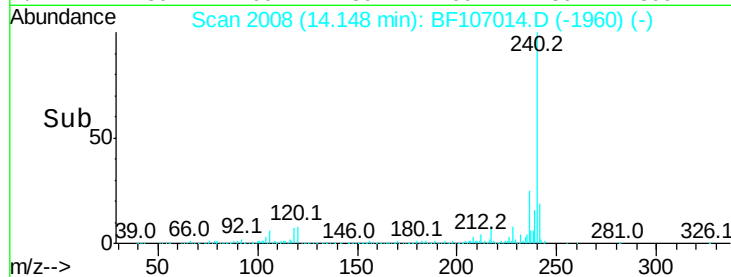
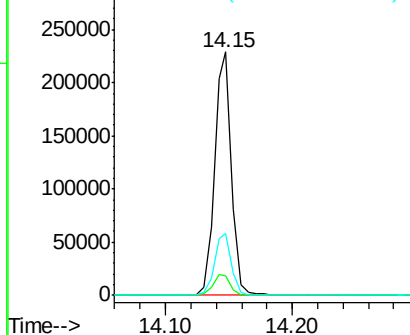
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 15.466 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107014.D

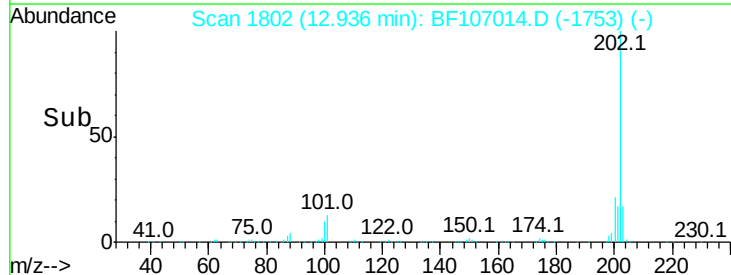
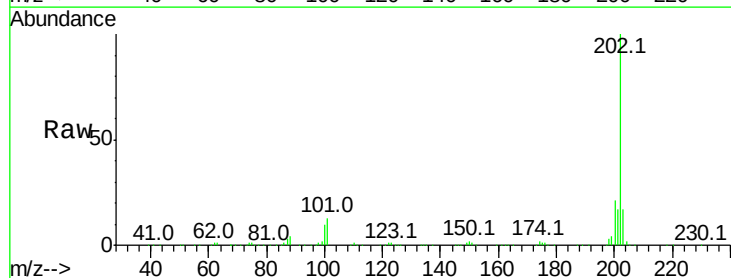
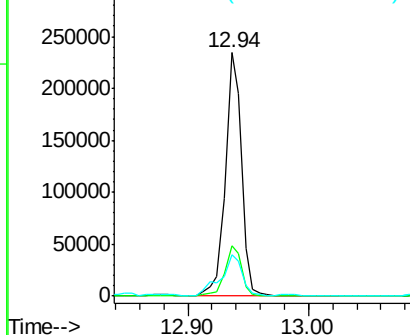
Acq: 30 Jun 2018 15:02

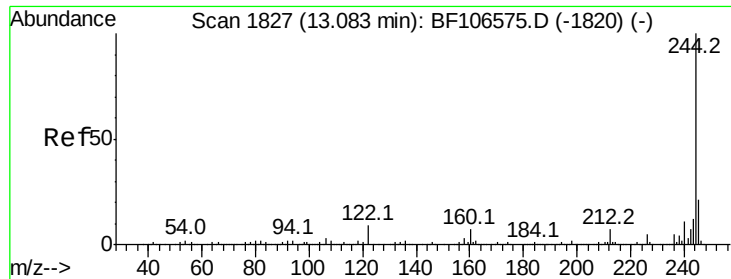
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.3	14.3	21.5

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





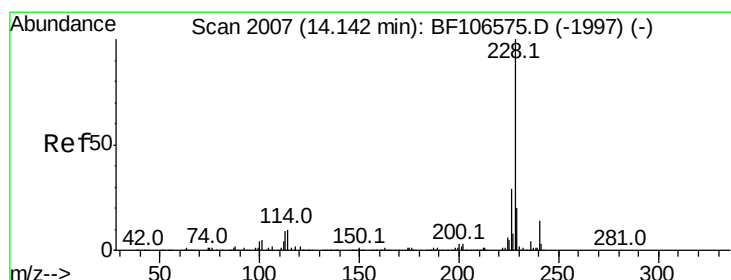
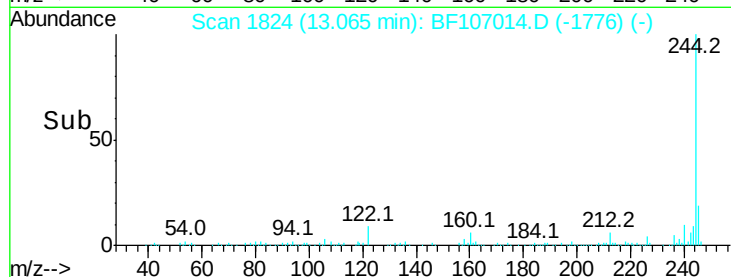
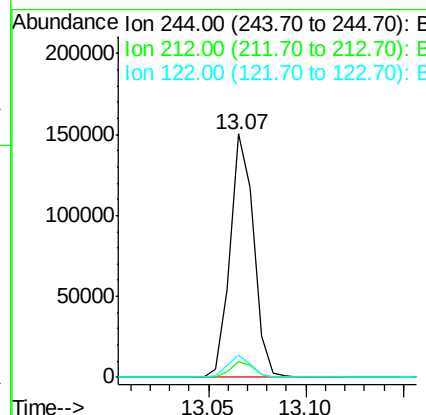
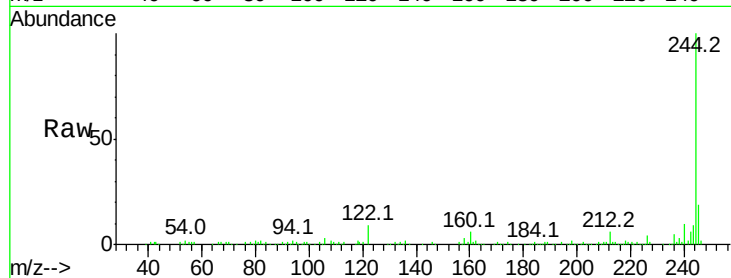
#78
 Terphenyl-d14
 Concen: 14.300 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF107014.D
 Acq: 30 Jun 2018 15:02

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-3

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.2	5.4	8.0	
122	9.3	11.0	16.4	

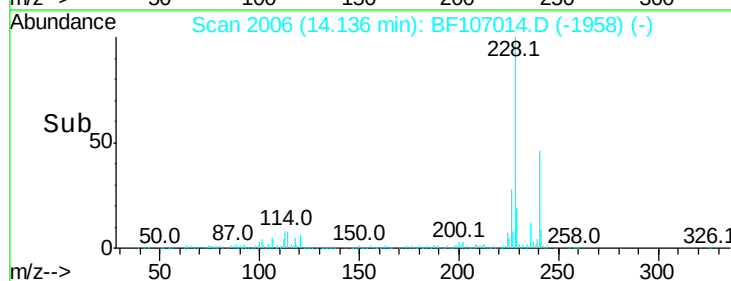
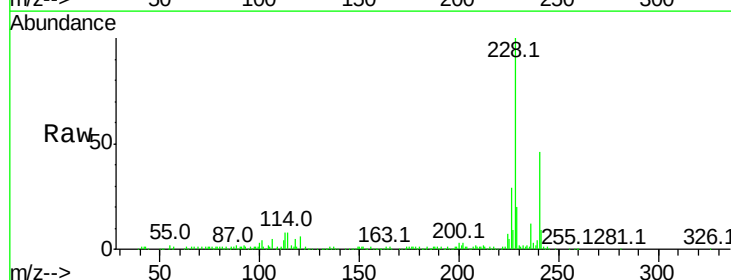
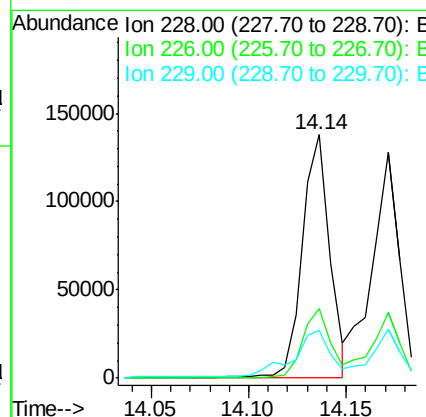
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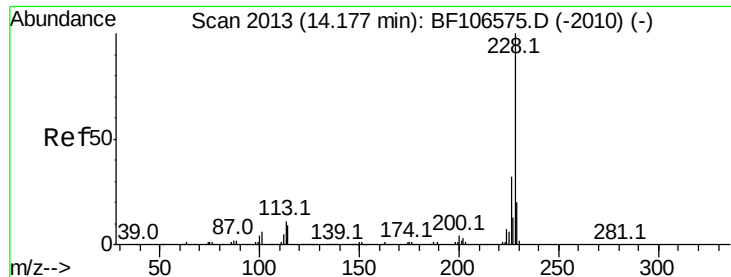
Sohil
 7/2/2018 12:30:06 PM



#80
 Benzo(a)anthracene
 Concen: 10.234 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.02 min
 Lab File: BF107014.D
 Acq: 30 Jun 2018 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	28.6	22.6	33.8	
229	19.5	15.8	23.6	





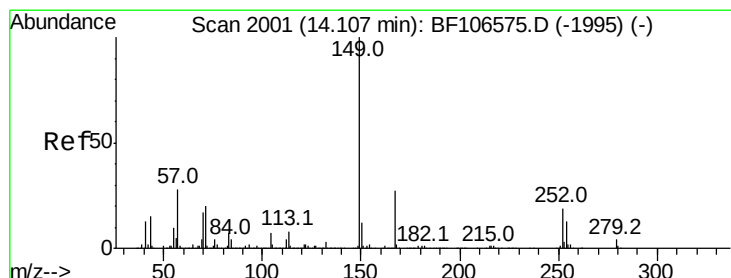
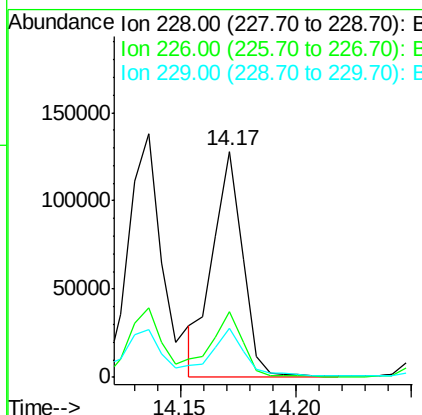
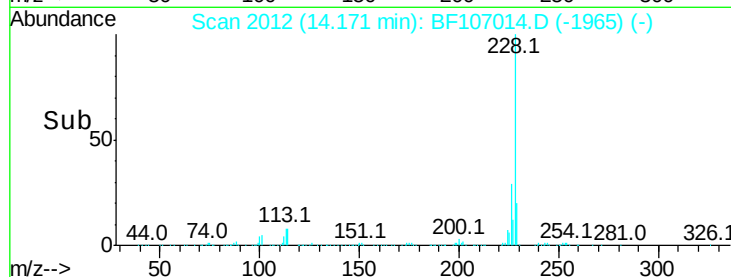
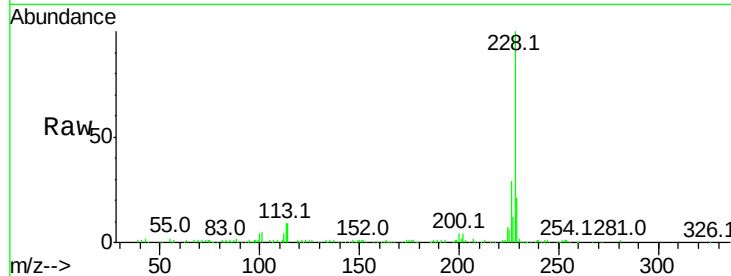
#82
Chrysene
Concen: 9.576 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107014.D
Acq: 30 Jun 2018 15:02

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-3

Tot Ion:	228	Resp:	114855
Ion Ratio	Lower	Upper	
228	100		
226	29.0	25.0	37.6
229	21.5	16.2	24.4

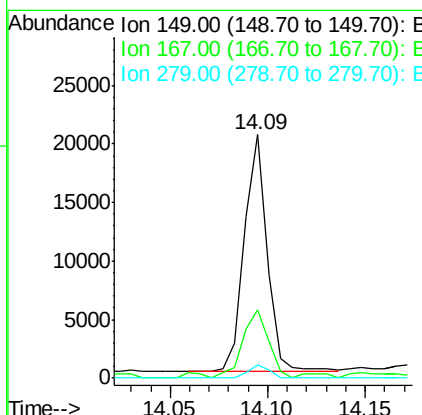
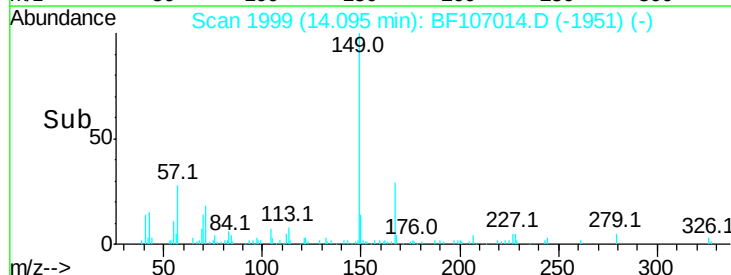
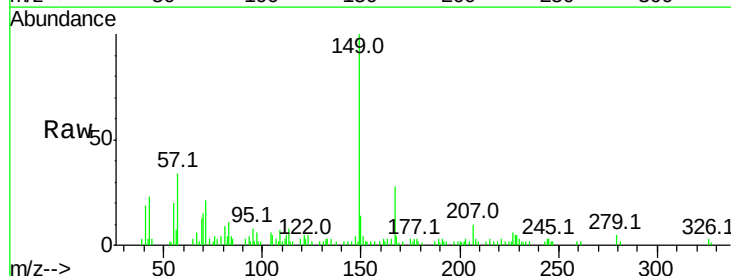
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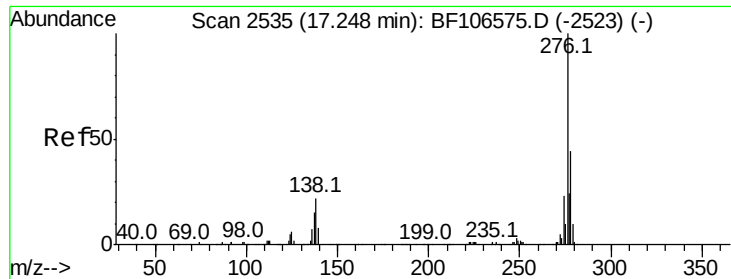
Sohil
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#83
Bis(2-ethylhexyl)phthalate
Concen: 2.237 ng
RT: 14.09 min Scan# 1999
Delta R.T. -0.02 min
Lab File: BF107014.D
Acq: 30 Jun 2018 15:02

Tgt Ion:	149	Resp:	16584
Ion Ratio	Lower	Upper	
149	100		
167	28.2	21.3	31.9
279	5.3	3.0	4.4#





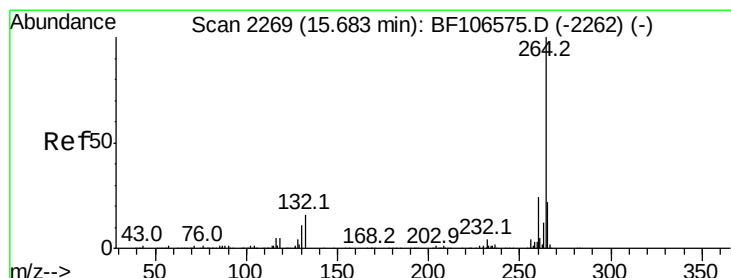
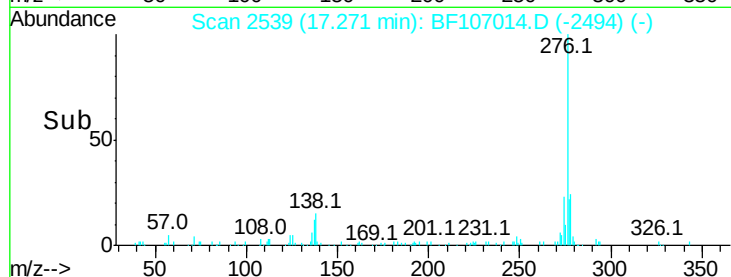
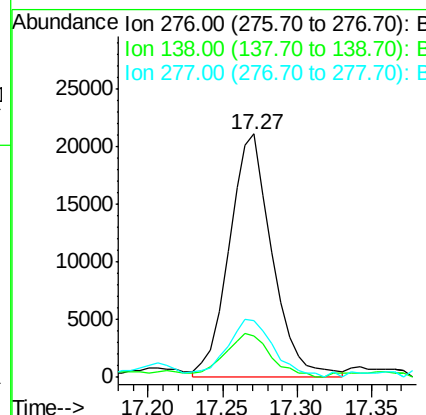
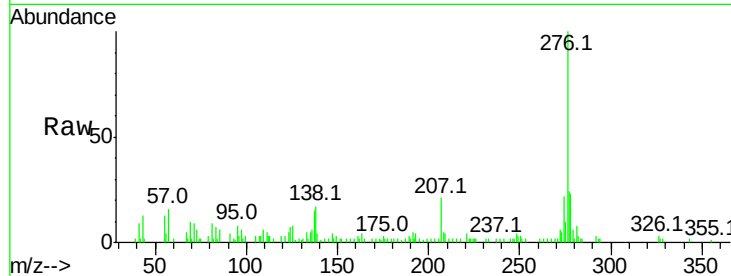
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.158 ng
RT: 17.27 min Scan# 2539
Delta R.T. -0.04 min
Lab File: BF107014.D
Acq: 30 Jun 2018 15:02

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-3

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.3	25.0	37.6#
277	25.8	20.1	30.1

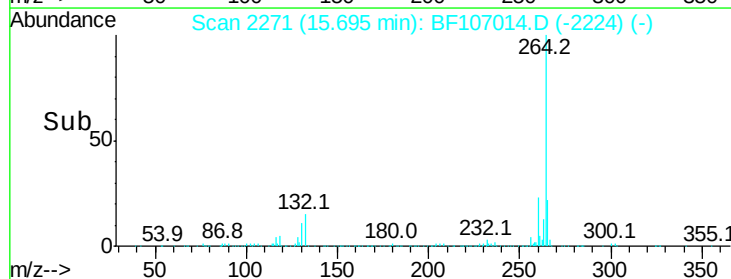
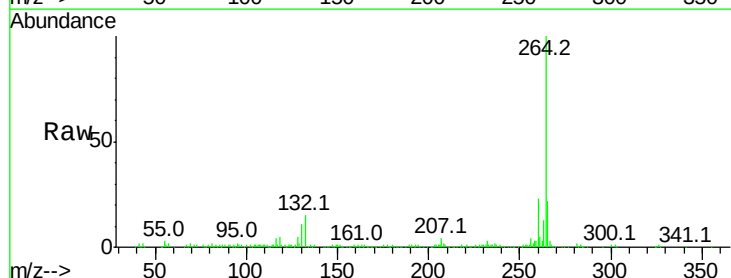
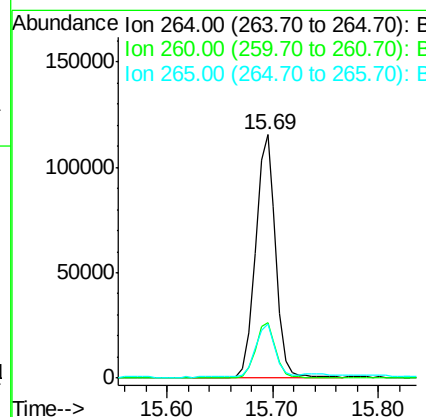
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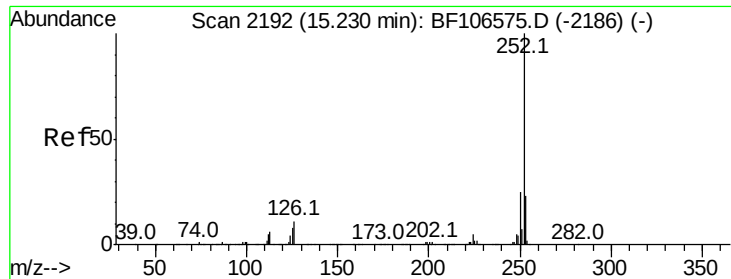
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF107014.D
Acq: 30 Jun 2018 15:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	22.1	17.5	26.3





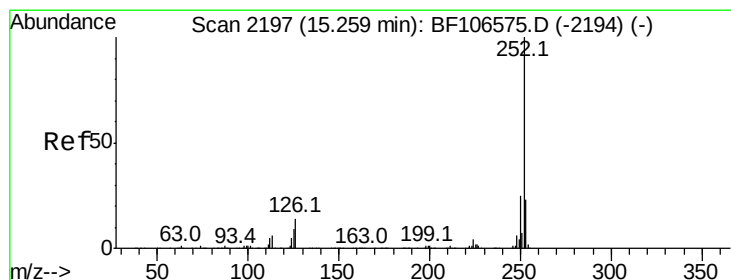
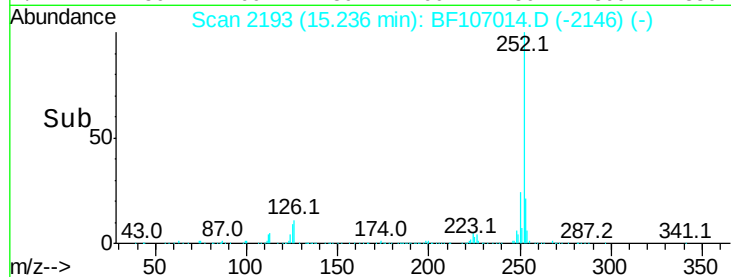
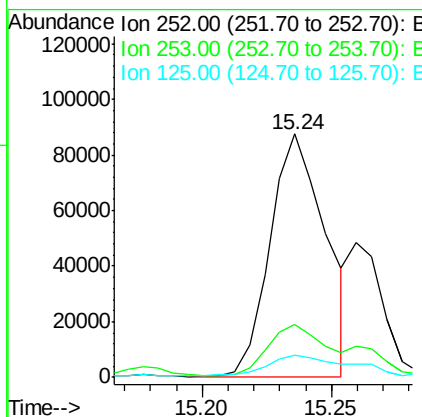
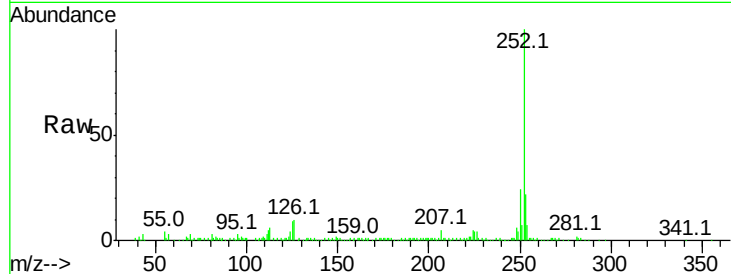
#87
Benzo(b)fluoranthene
Concen: 13.680 ng m
RT: 15.24 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF107014.D
Acq: 30 Jun 2018 15:02

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.6
125	9.3	9.0	13.6

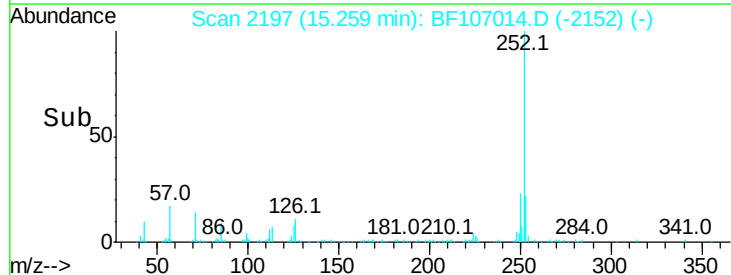
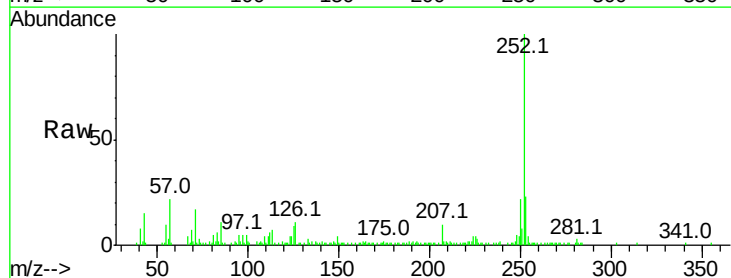
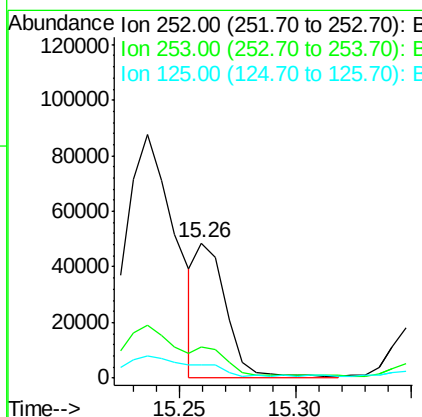
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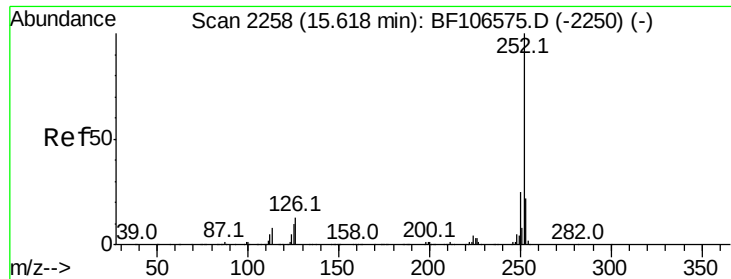
Sohil
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#88
Benzo(k)fluoranthene
Concen: 4.740 ng m
RT: 15.26 min Scan# 2197
Delta R.T. -0.04 min
Lab File: BF107014.D
Acq: 30 Jun 2018 15:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	9.5	10.2	15.2#





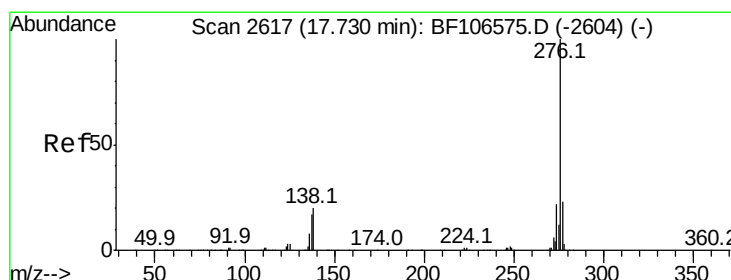
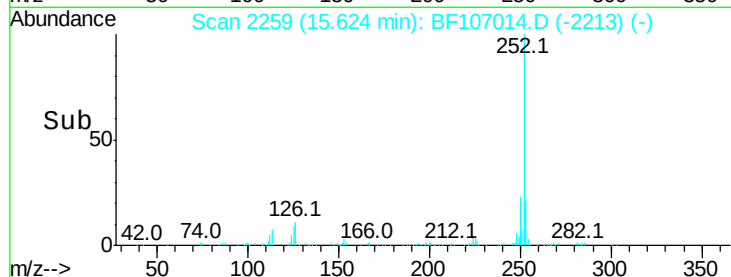
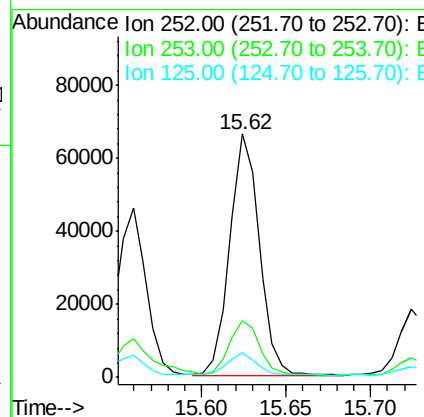
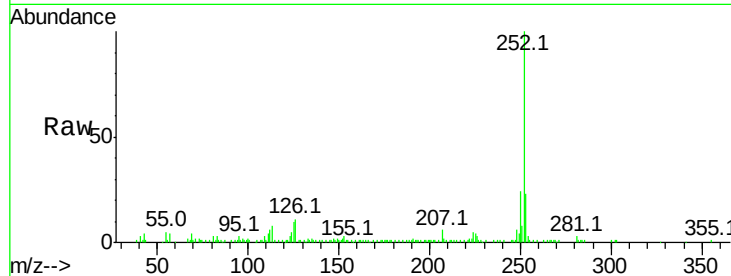
#89
Benzo(a)pyrene
Concen: 9.638 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.03 min
Lab File: BF107014.D
Acq: 30 Jun 2018 15:02

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	10.3	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.481 ng
RT: 17.75 min Scan# 2621
Delta R.T. -0.04 min
Lab File: BF107014.D
Acq: 30 Jun 2018 15:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	17.9	26.9
138	16.6	21.8	32.8#

