

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
 Data File : BF106505.D
 Acq On : 15 Jun 2018 21:12
 Operator : JU/SJ
 Sample : J3486-04 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-7

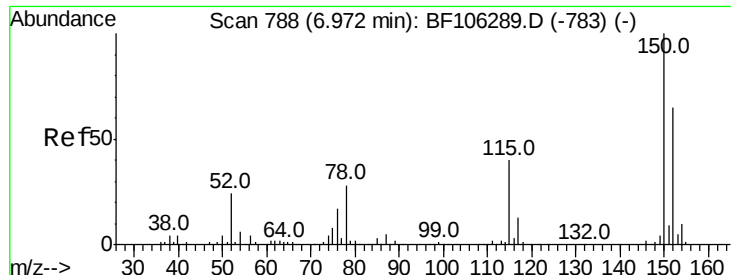
Manual Integrations
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 6/18/2018 10:38:39 AM

Quant Time: Jun 18 05:11:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 15 11:11:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	110461	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	373941	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	147862	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	276809	20.00	ng	0.00
75) Chrysene-d12	14.16	240	294818	20.00	ng	0.00
86) Perylene-d12	15.70	264	208336	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	293977	45.04	ng	0.00
7) Phenol-d6	6.61	99	353794	42.91	ng	0.00
23) Nitrobenzene-d5	7.52	82	213282	33.55	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	69981	49.19	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	353364	32.69	ng	0.00
78) Terphenyl-d14	13.09	244	409568	34.51	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.27	128	492617	29.142	ng	99
37) 2-Methylnaphthalene	8.96	142	196828	17.096	ng	98
45) 1,1'-Biphenyl	9.42	154	33591	2.933	ng	95
48) Acenaphthylene	9.87	152	76056	5.422	ng	# 93
49) Dimethylphthalate	9.71	163	37719	3.571	ng	# 87
51) Acenaphthene	10.04	154	30090	3.321	ng	96
54) Dibenzofuran	10.21	168	88674	7.269	ng	98
57) Fluorene	10.55	166	45922	4.751	ng	# 95
70) Phenanthrene	11.52	178	199041	14.682	ng	99
71) Anthracene	11.58	178	143851	10.592	ng	97
72) Carbazole	11.74	167	35913	2.864	ng	# 83
74) Fluoranthene	12.72	202	431813	29.868	ng	97
77) Pvrene	12.95	202	519906	28.168	ng	98
80) Benzo(a)anthracene	14.15	228	222708	12.694	ng	92
82) Chrysene	14.18	228	240072m	14.988	ng	
85) Indeno(1,2,3-cd)pyrene	17.27	276	134921m	10.554	ng	
87) Benzo(b)fluoranthene	15.24	252	294537m	23.388	ng	
88) Benzo(k)fluoranthene	15.27	252	86980m	6.974	ng	
89) Benzo(a)pvrene	15.63	252	197855	17.467	ng	95
90) Dibenzo(a,h)anthracene	17.27	278	31098	3.293	ng	# 85
91) Benzo(g,h,i)perylene	17.74	276	137661	15.000	ng	93

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



#1

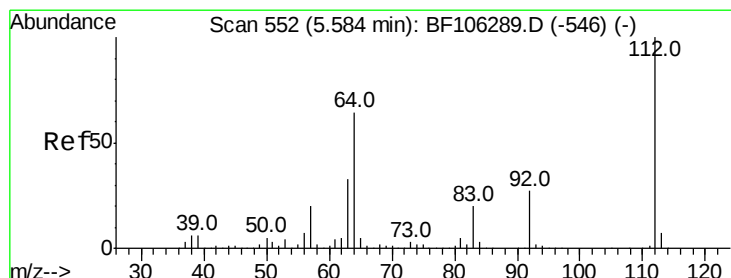
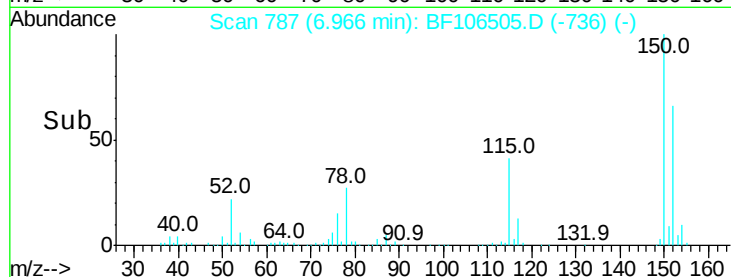
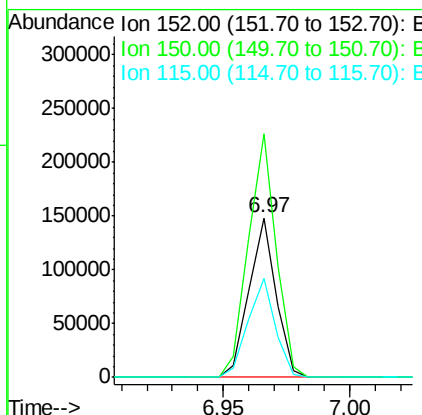
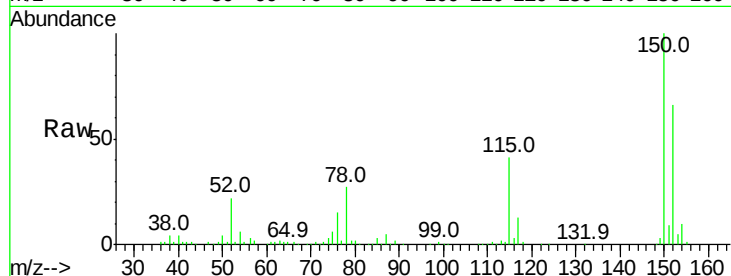
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF106505.D
Acq: 15 Jun 2018 21:12

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	124.6	186.8
115	61.9	50.1	75.1

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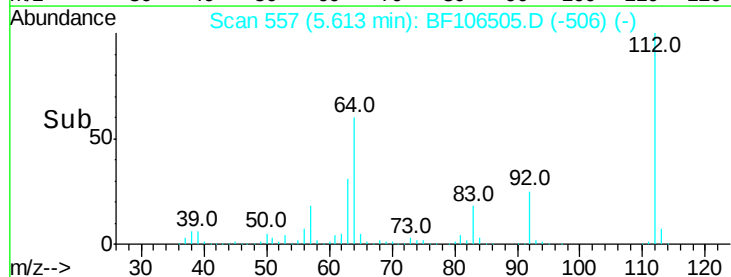
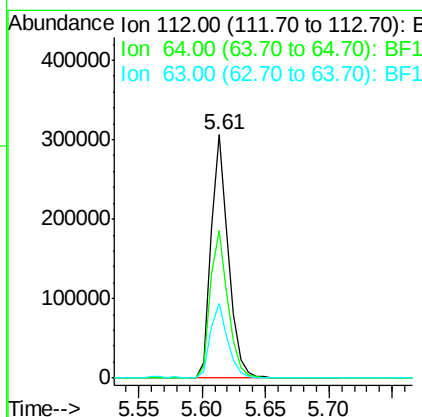
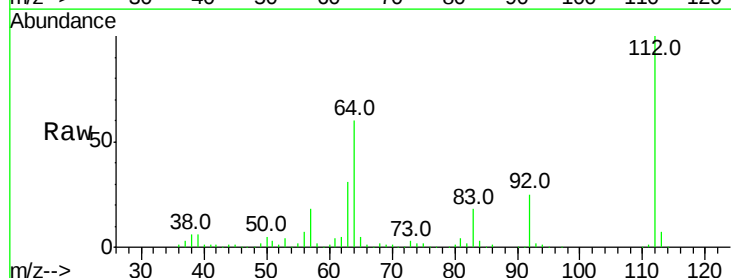
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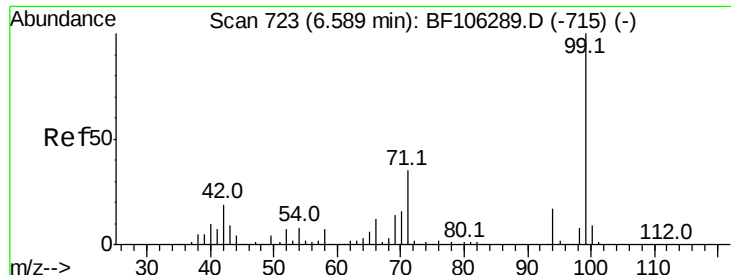


#5

2-Fluorophenol
Concen: 45.044 ng
RT: 5.61 min Scan# 557
Delta R.T. 0.00 min
Lab File: BF106505.D
Acq: 15 Jun 2018 21:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	47.9	71.9
63	30.8	23.7	35.5





#7

Phenol-d6

Concen: 42.907 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106505.D

Acq: 15 Jun 2018 21:12

Instrument :

BNA_F

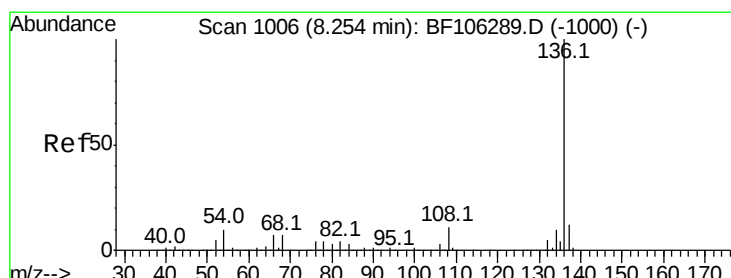
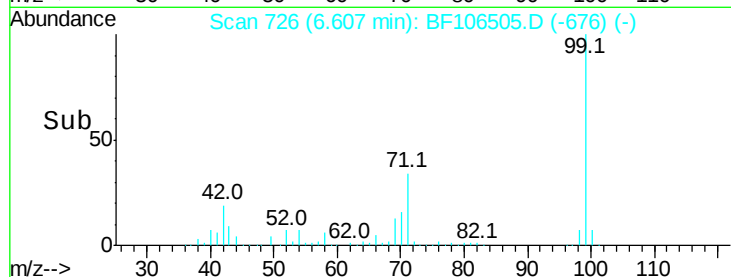
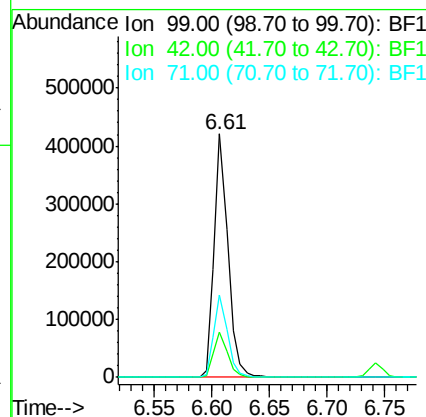
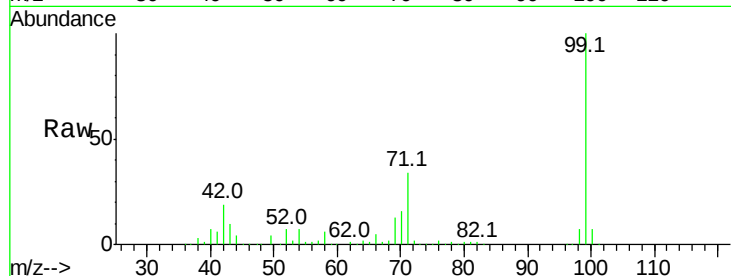
ClientSampleId :

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Tot Ion:	99	Resp:	353794
Ion Ratio	Lower	Upper	
99	100		
42	18.7	14.5	21.7
71	33.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

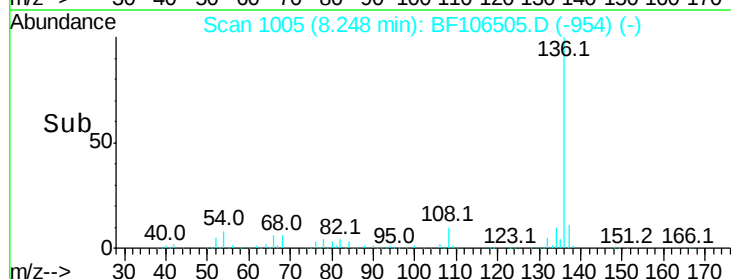
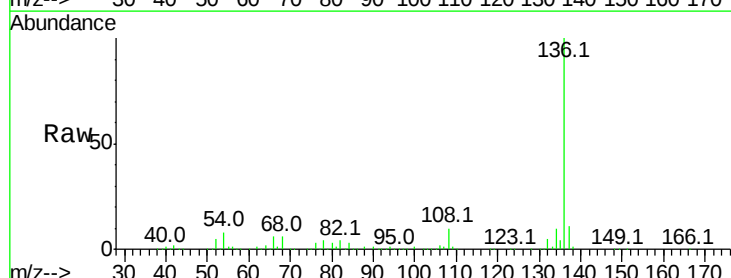
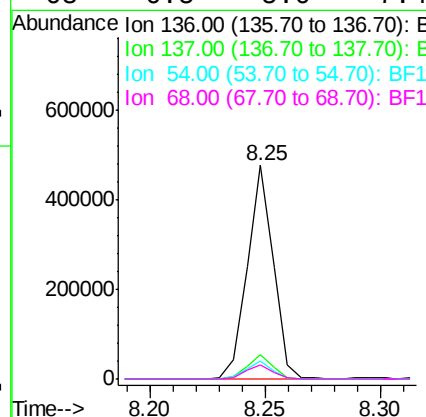
RT: 8.25 min Scan# 1005

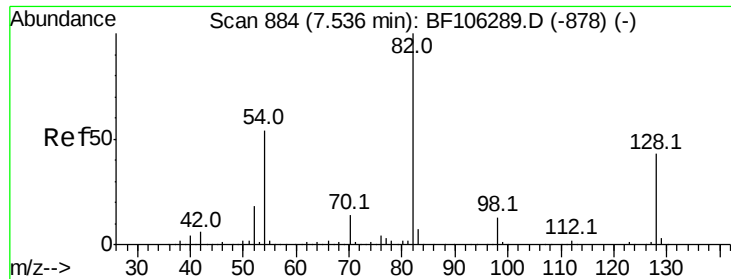
Delta R.T. 0.00 min

Lab File: BF106505.D

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Tgt Ion:	136	Resp:	373941
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	8.4	6.6	9.8
68	6.5	5.0	7.4





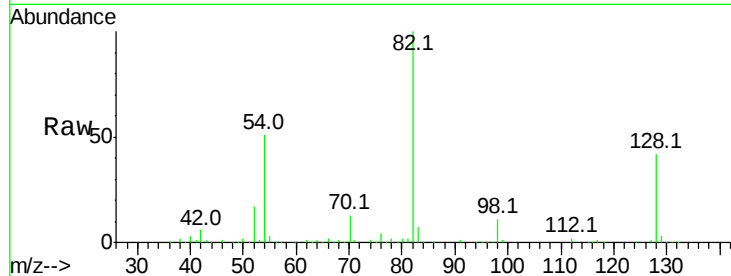
#23
Nitrobenzene-d5
Concen: 33.554 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106505.D
Acq: 15 Jun 2018 21:12

Instrument :
BNA_F
ClientSampleId :
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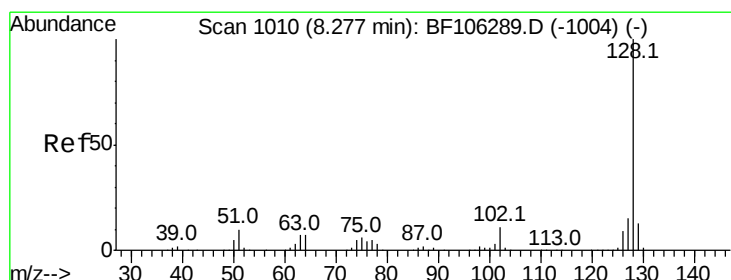
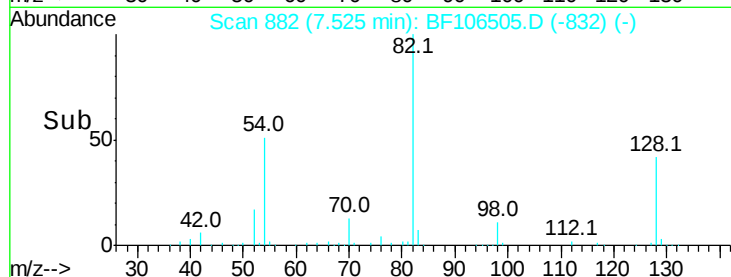
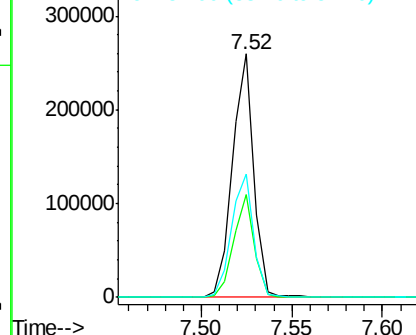
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.2	36.1	54.1
54	50.5	41.4	62.2

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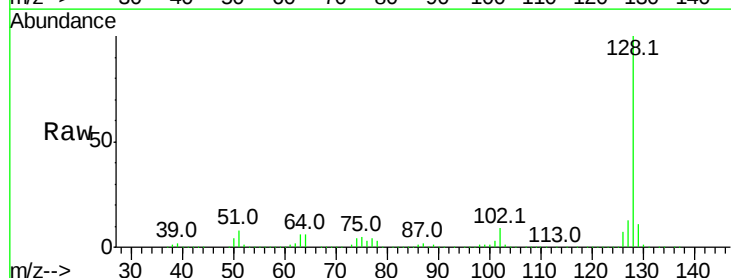


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

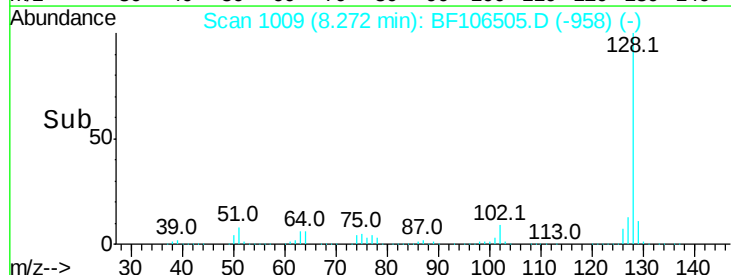
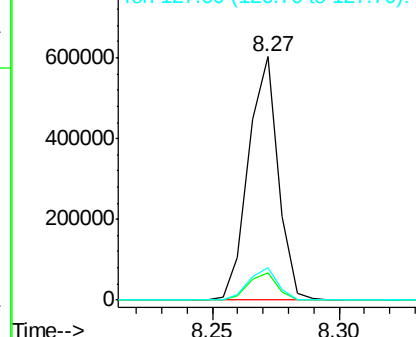


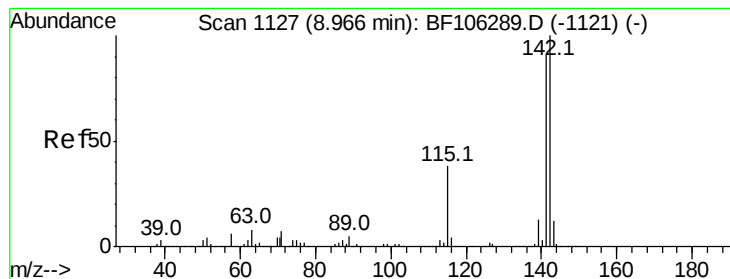
#31
Naphthalene
Concen: 29.142 ng
RT: 8.27 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF106505.D
Acq: 15 Jun 2018 21:12

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.1	10.9	16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





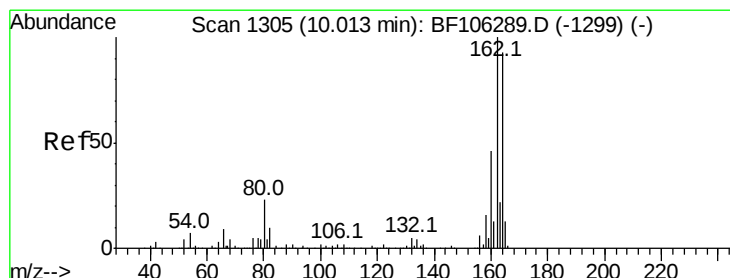
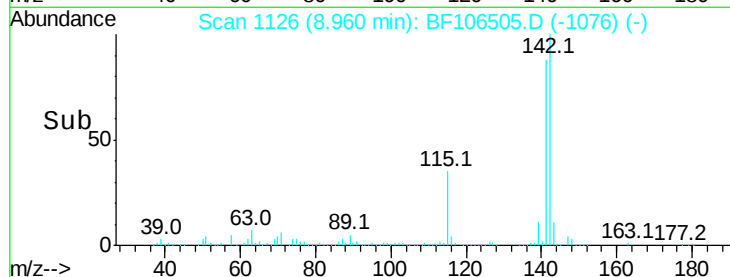
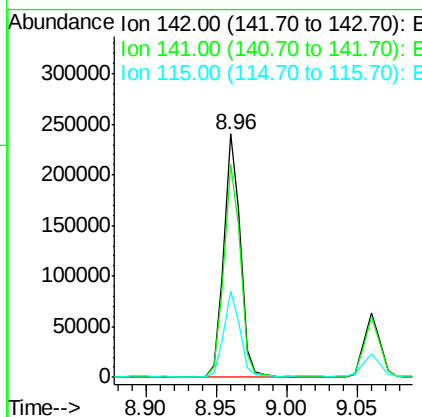
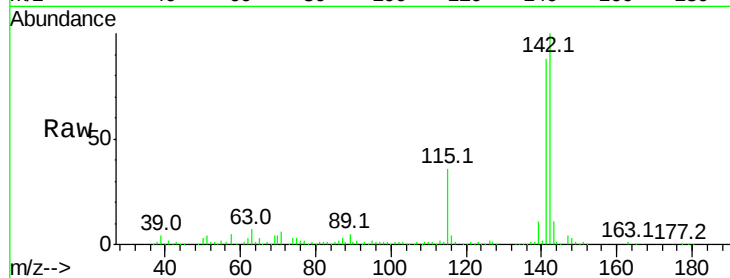
#37
2-Methylnaphthalene
Concen: 17.096 ng
RT: 8.96 min Scan# 1126
Delta R.T. -0.01 min
Lab File: BF106505.D
Acq: 15 Jun 2018 21:12

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ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
142	100	196828		
141	87.7		70.8	106.2
115	35.6		26.1	39.1

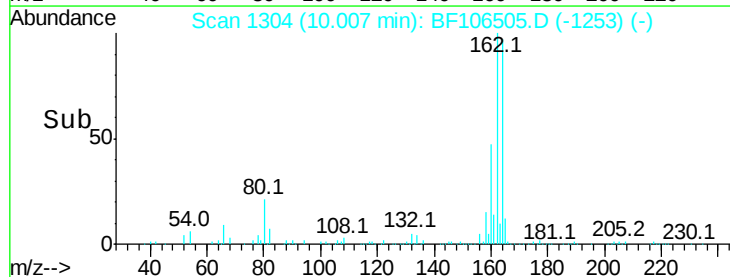
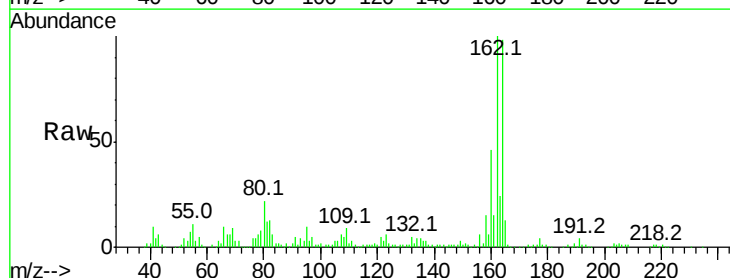
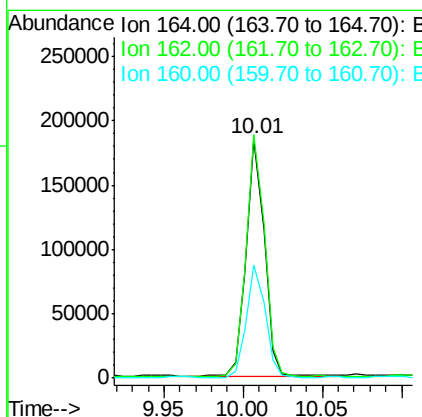
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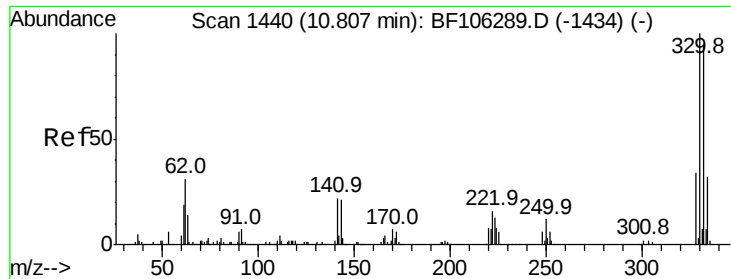
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BF106505.D
Acq: 15 Jun 2018 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	147862		
162	102.1		86.1	129.1
160	47.2		38.3	57.5





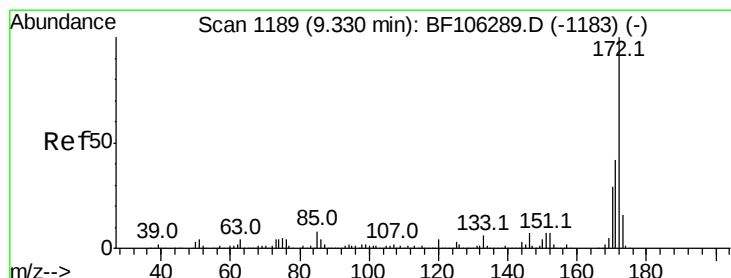
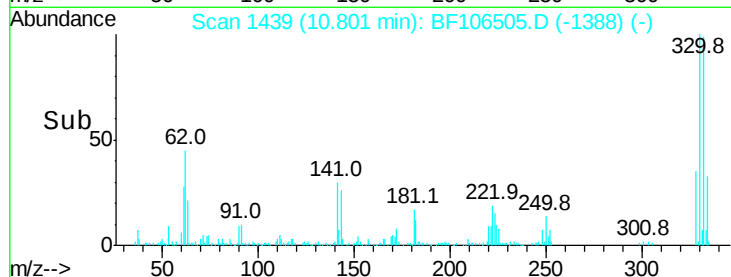
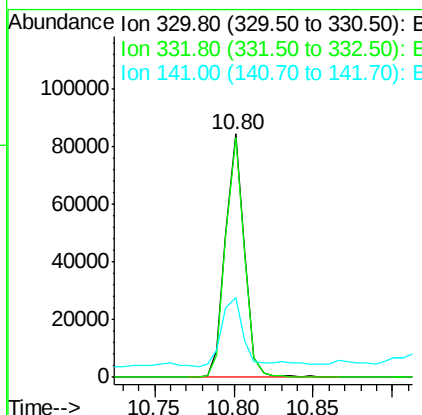
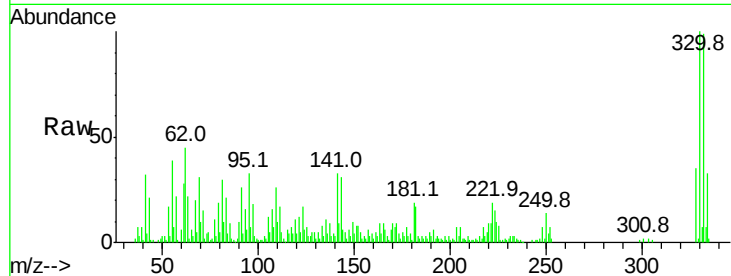
#41
 2,4,6-Tribromophenol
 Concen: 49.189 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF106505.D
 Acq: 15 Jun 2018 21:12

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	32.1	29.9	44.9

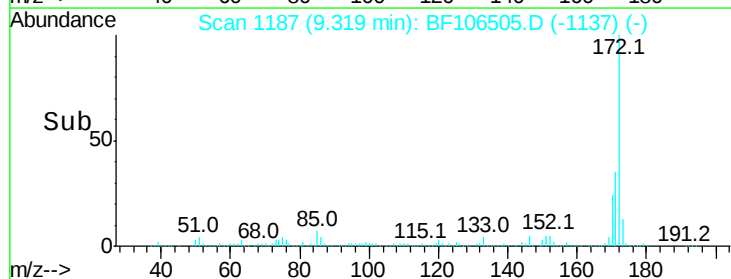
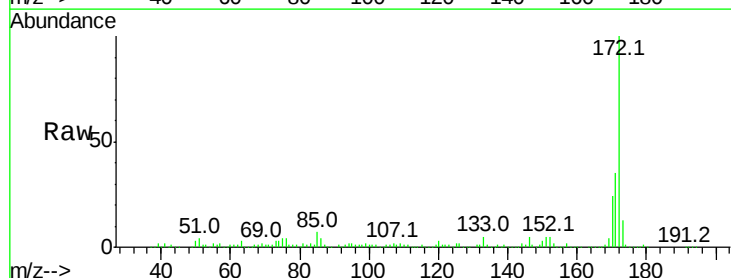
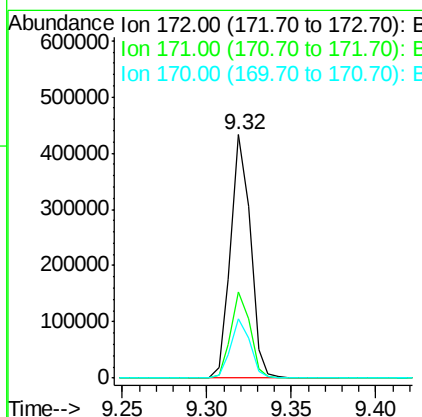
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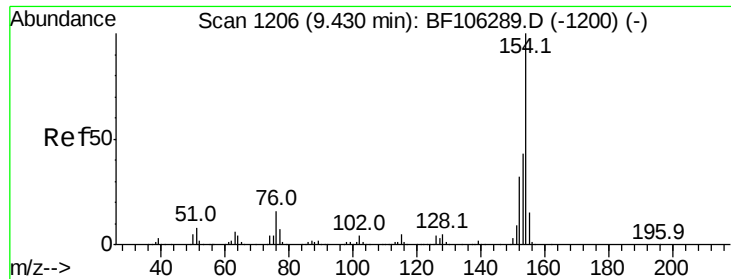
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#44
 2-Fluorobiphenyl
 Concen: 32.688 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106505.D
 Acq: 15 Jun 2018 21:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	24.3	19.6	29.4





#45

1,1'-Biphenyl

Concen: 2.933 ng

RT: 9.42 min Scan# 1205

Delta R.T. 0.00 min

Lab File: BF106505.D

Acq: 15 Jun 2018 21:12

Instrument :

BNA_F

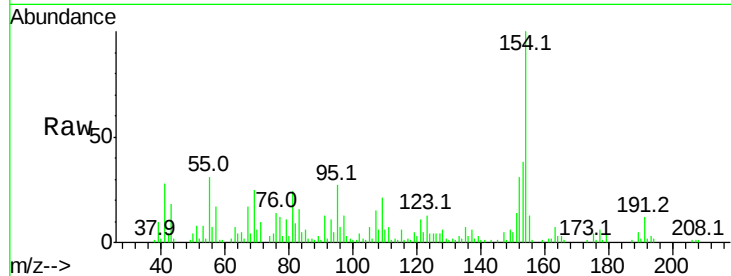
ClientSampleId :

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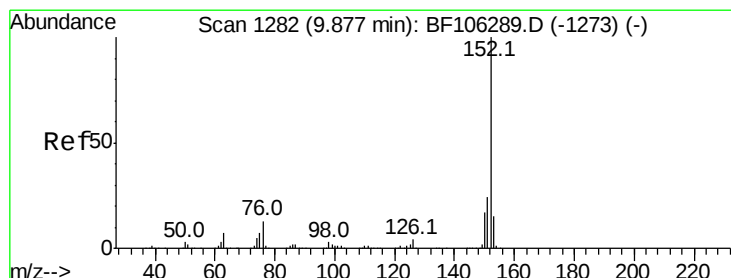
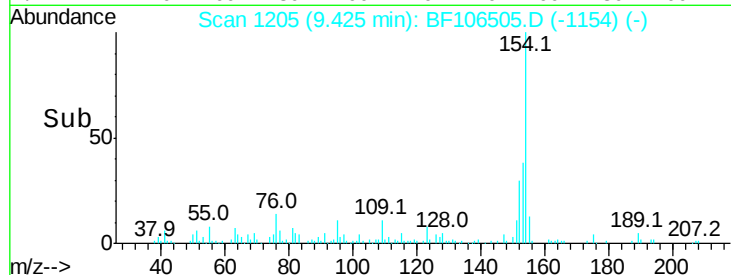
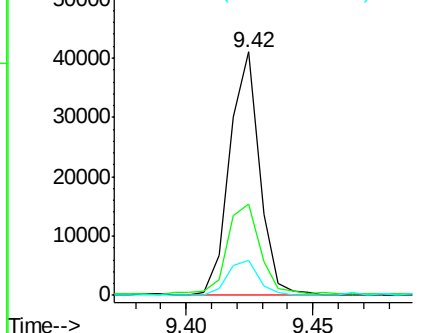
Tot Ion:	154	Resp:	33591
Ion Ratio	Lower	Upper	
154	100		
153	37.6	21.3	61.3
76	14.5	0.0	34.0

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#48

Acenaphthylene

Concen: 5.422 ng

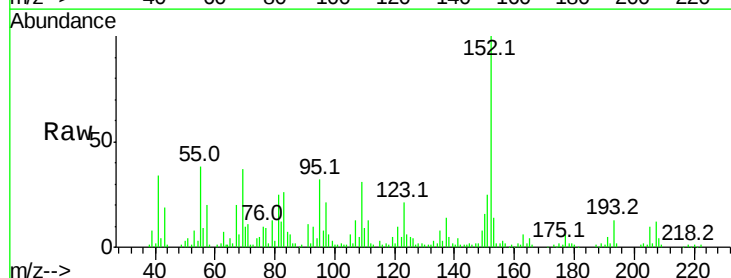
RT: 9.87 min Scan# 1281

Delta R.T. 0.00 min

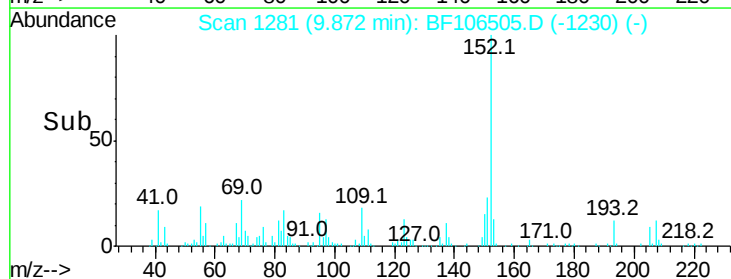
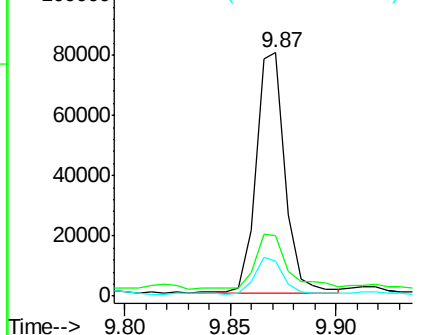
Lab File: BF106505.D

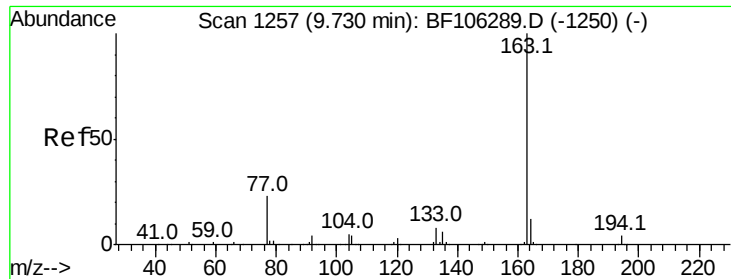
Acq: 15 Jun 2018 21:12

Tgt Ion:	152	Resp:	76056
Ion Ratio	Lower	Upper	
152	100		
151	24.9	16.3	24.5#
153	14.4	10.7	16.1



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





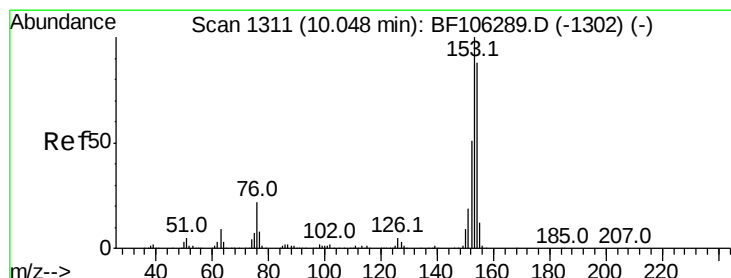
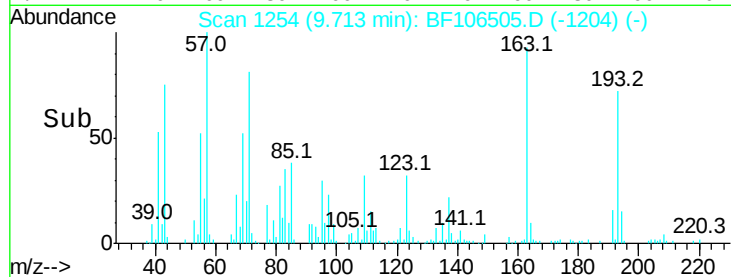
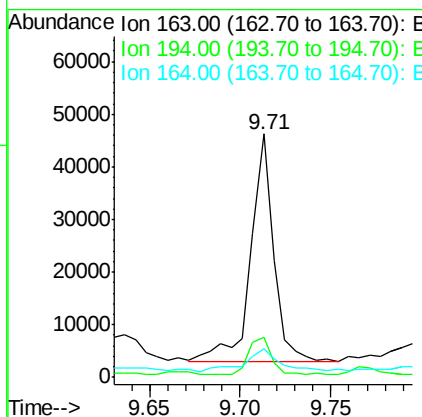
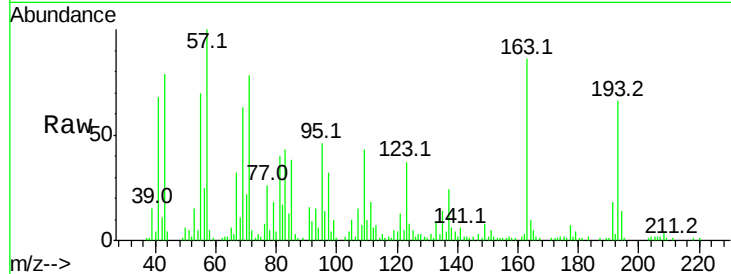
#49
Dimethylphthalate
Concen: 3.571 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BF106505.D
Acq: 15 Jun 2018 21:12

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
163	100		
194	16.5	2.7	4.1#
164	11.9	8.2	12.2

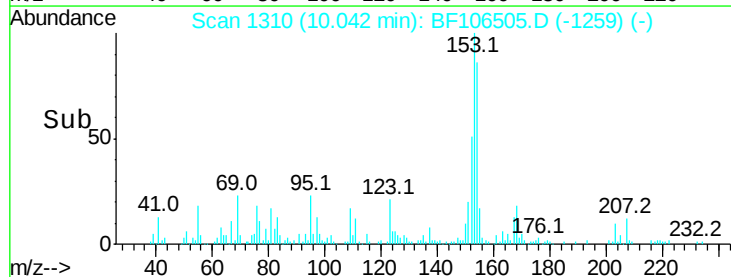
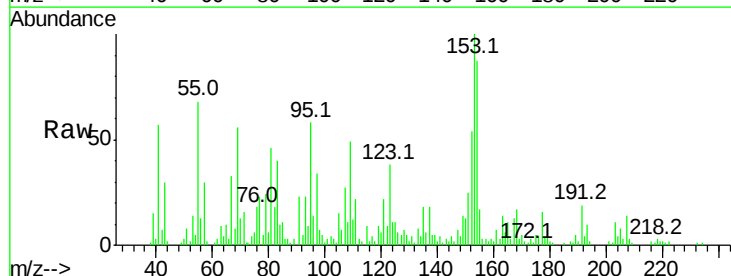
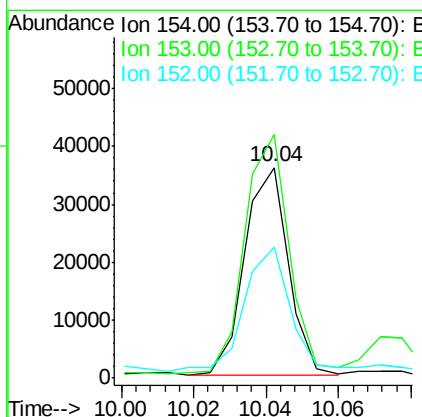
Manual Integrations
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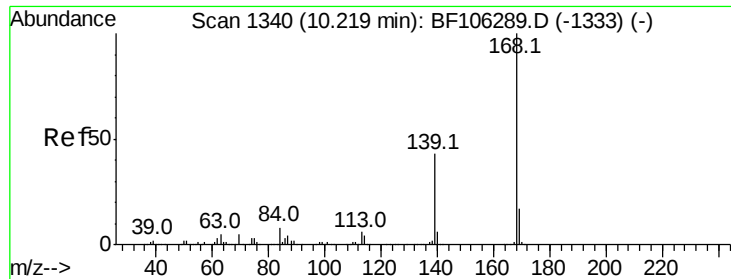
Sohil
6/18/2018 10:38:39 AM



#51
Acenaphthene
Concen: 3.321 ng
RT: 10.04 min Scan# 1310
Delta R.T. 0.00 min
Lab File: BF106505.D
Acq: 15 Jun 2018 21:12

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.5	91.2	136.8
152	62.0	43.8	65.8





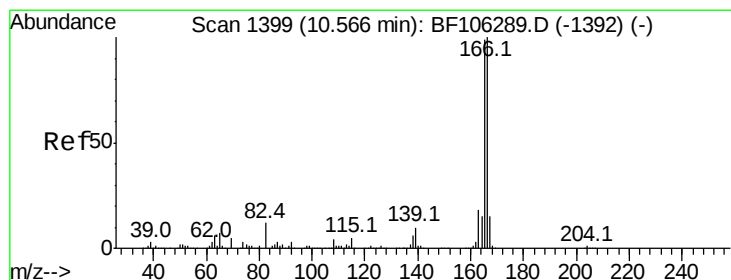
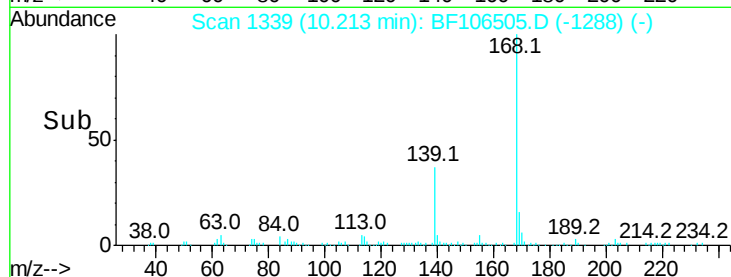
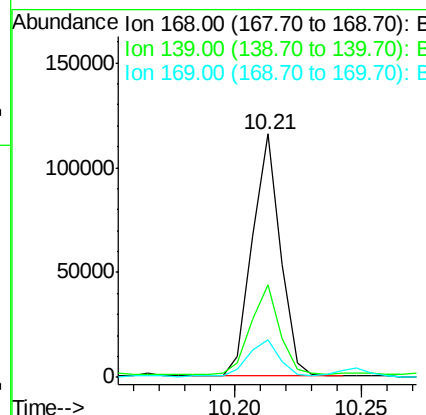
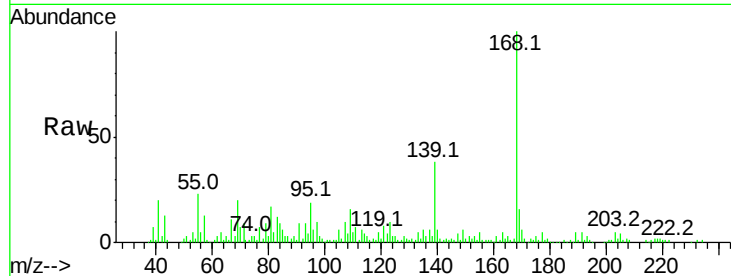
#54
Dibenzofuran
Concen: 7.269 ng
RT: 10.21 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BF106505.D
Acq: 15 Jun 2018 21:12

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-7

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.9	30.1	45.1
169	15.6	10.9	16.3

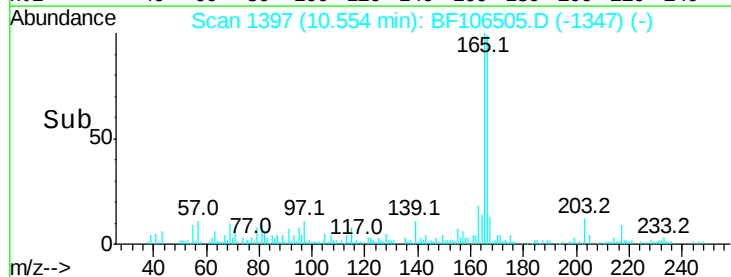
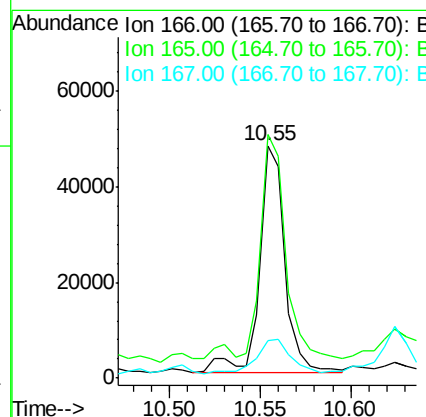
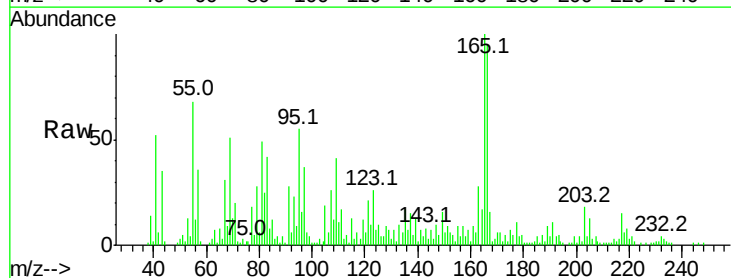
Manual Integrations
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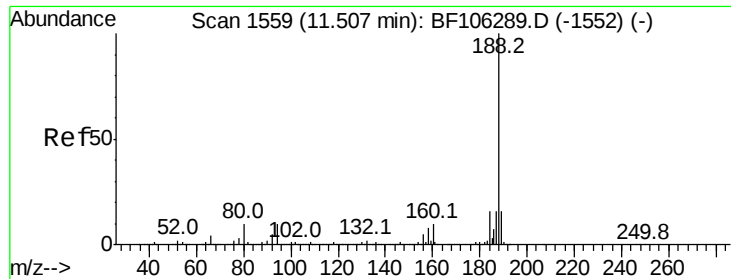
Sohil
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#57
Fluorene
Concen: 4.751 ng
RT: 10.55 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF106505.D
Acq: 15 Jun 2018 21:12

Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.9	79.8	119.8
167	16.3	10.6	16.0#





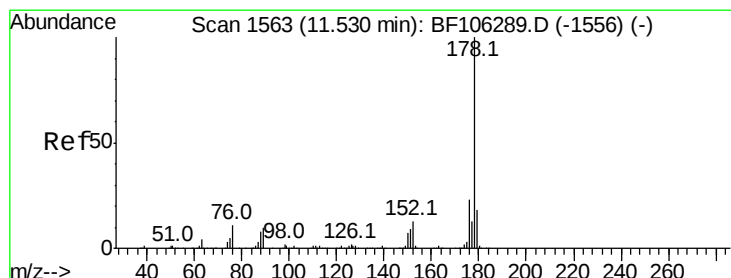
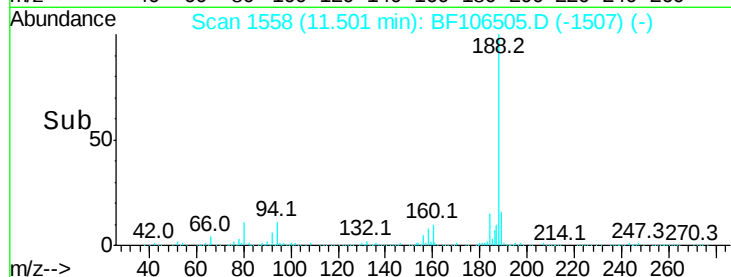
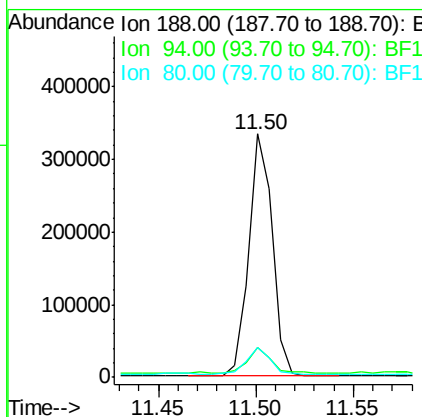
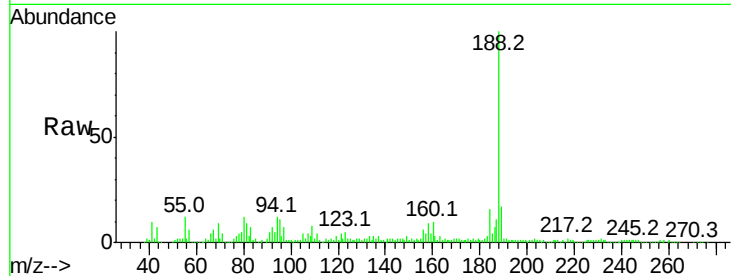
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF106505.D
Acq: 15 Jun 2018 21:12

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-7

Tot Ion	Ratio	Resp	Lower	Upper
188	100	276809		
94	12.4		8.5	12.7
80	12.2		9.2	13.8

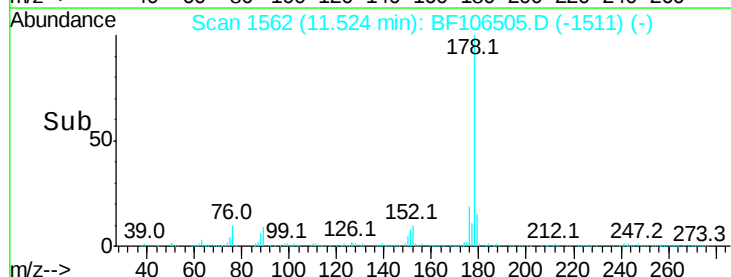
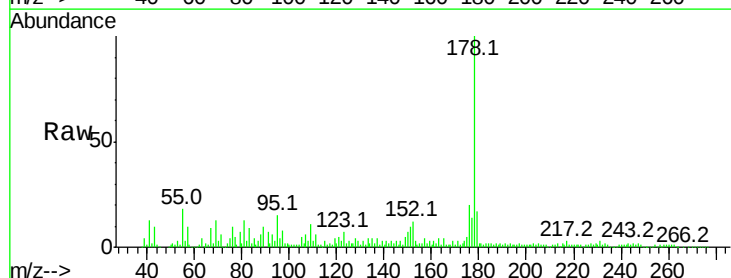
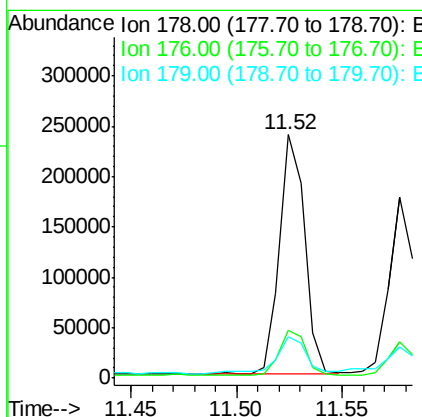
Manual Integrations
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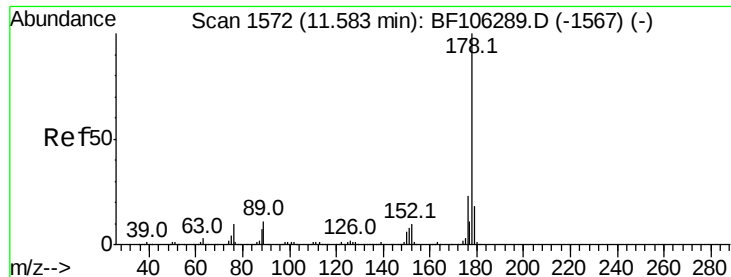
Sohil
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#70
Phenanthrene
Concen: 14.682 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF106505.D
Acq: 15 Jun 2018 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	199041		
176	19.7		15.8	23.8
179	17.2		13.0	19.6





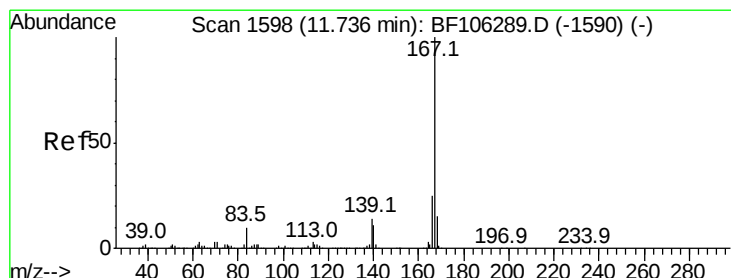
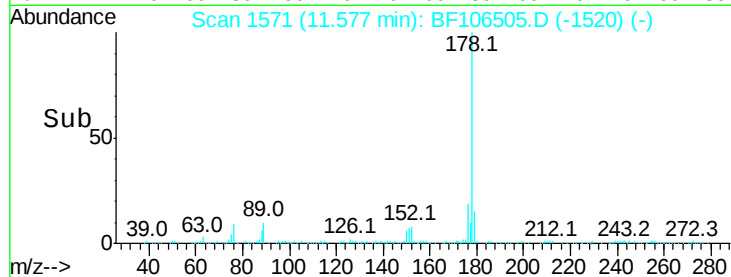
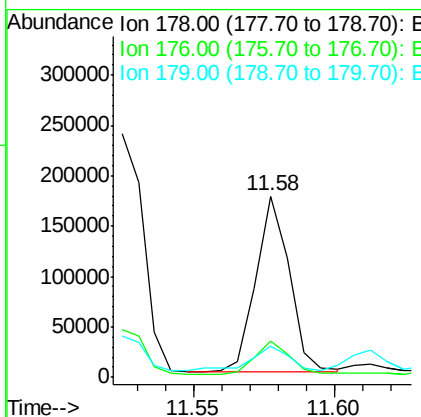
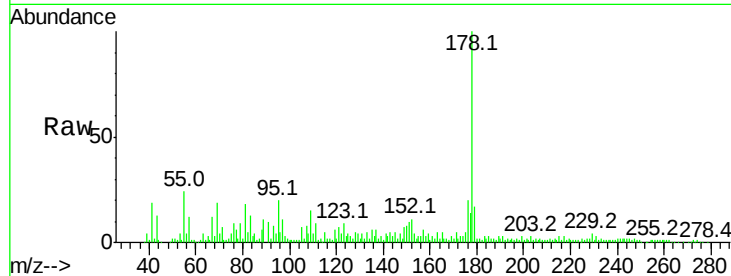
#71
 Anthracene
 Concen: 10.592 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF106505.D
 Acq: 15 Jun 2018 21:12

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-7

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.4	23.2
179	17.4	12.6	19.0

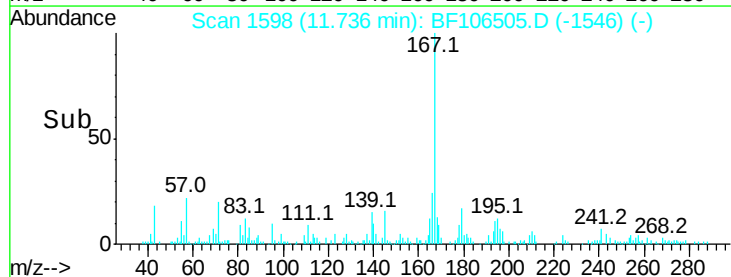
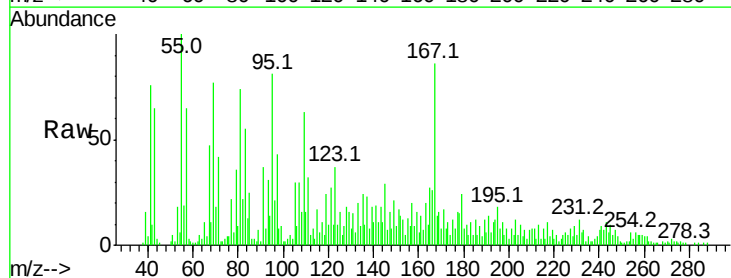
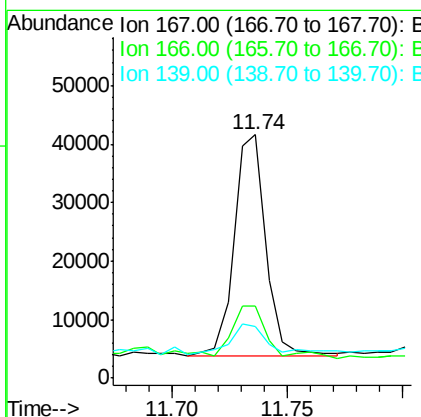
Manual Integrations
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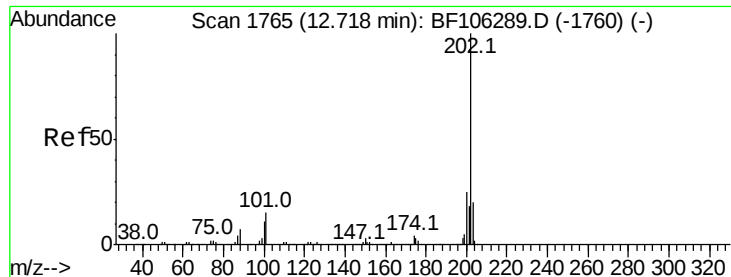
Sohil
 6/18/2018 10:38:39 AM



#72
 Carbazole
 Concen: 2.864 ng
 RT: 11.74 min Scan# 1598
 Delta R.T. 0.01 min
 Lab File: BF106505.D
 Acq: 15 Jun 2018 21:12

Tgt Ion	Ratio	Lower	Upper
167	100		
166	29.7	17.6	26.4#
139	21.2	10.9	16.3#





#74

Fluoranthene

Concen: 29.868 ng

RT: 12.72 min Scan# 1766

Delta R.T. 0.01 min

Lab File: BF106505.D

Acq: 15 Jun 2018 21:12

Instrument :

BNA_F

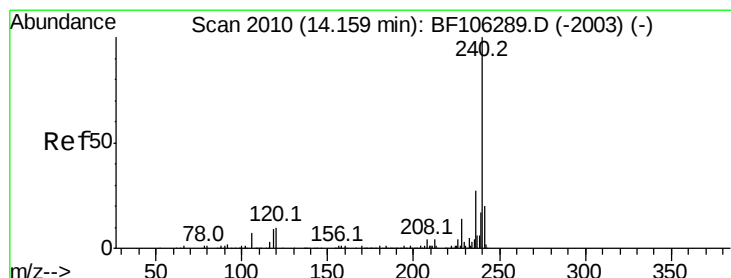
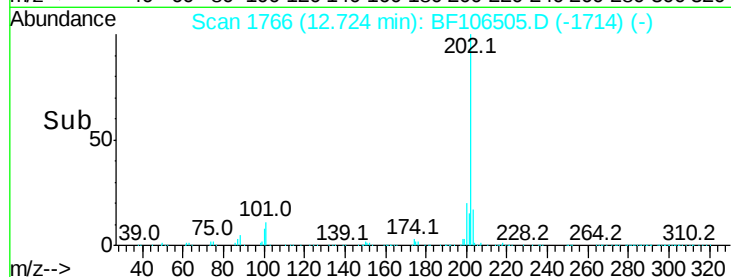
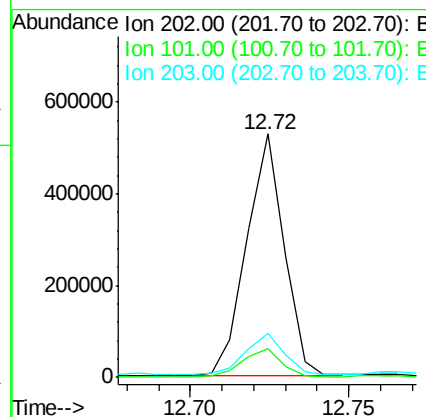
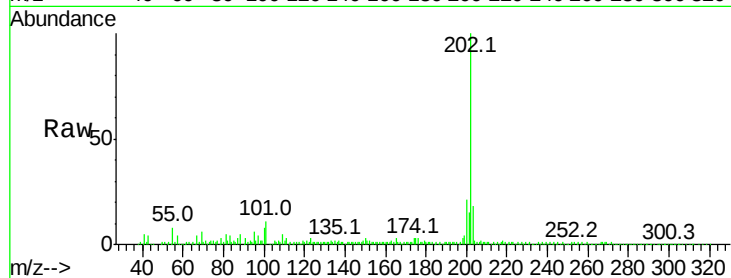
ClientSampleId :

DOCUMENTATION-7

Tot Ion:	202	Resp:	431813
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	34.1
203	18.1	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

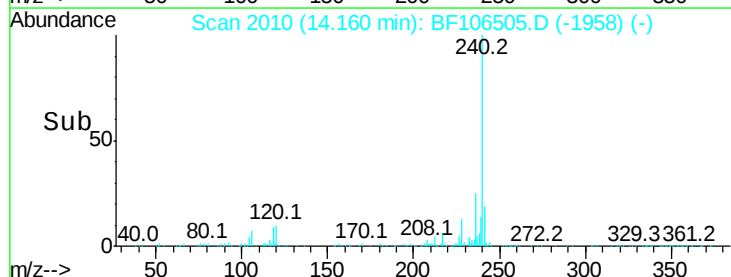
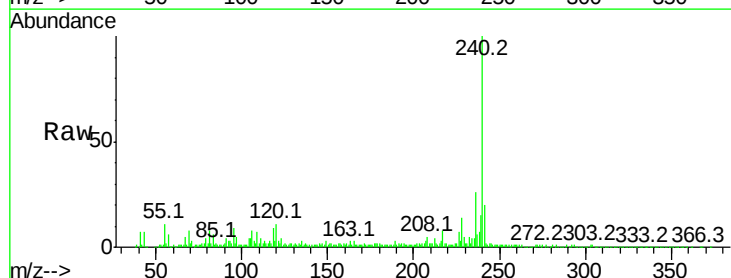
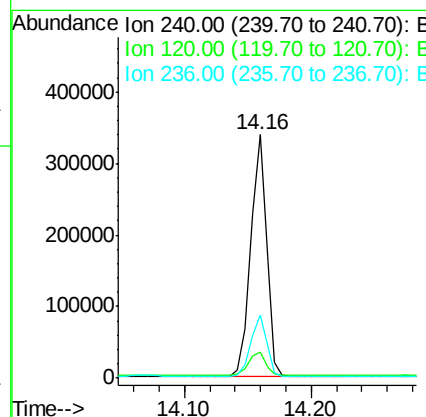
RT: 14.16 min Scan# 2010

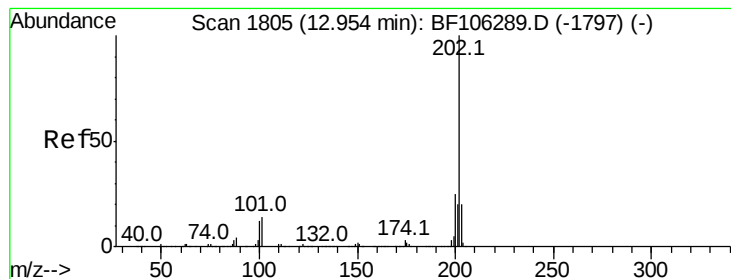
Delta R.T. 0.01 min

Lab File: BF106505.D

Acq: 15 Jun 2018 21:12

Tgt Ion:	240	Resp:	294818
Ion Ratio	Lower	Upper	
240	100		
120	10.7	9.5	14.3
236	25.9	20.7	31.1





#77

Pvrene

Concen: 28.168 ng

RT: 12.95 min Scan# 1805

Delta R.T. 0.01 min

Lab File: BF106505.D

Acq: 15 Jun 2018 21:12

Instrument :

BNA_F

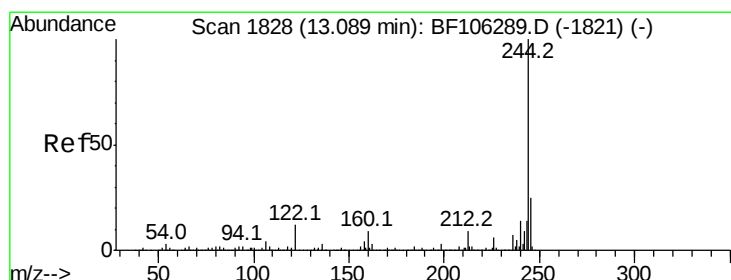
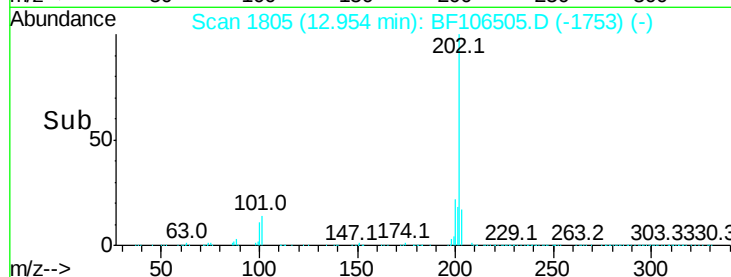
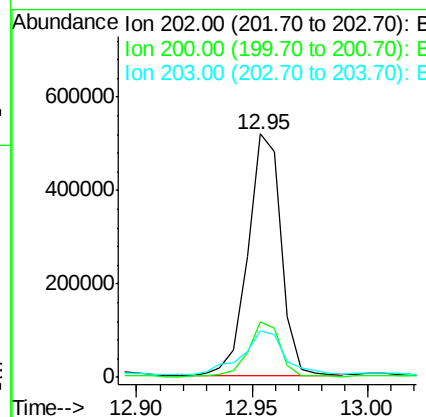
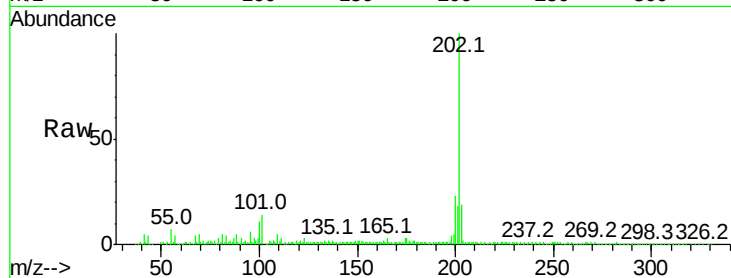
ClientSampleId :

DOCUMENTATION-7

Tot Ion:	202	Resp:	519906
Ion Ratio	Lower	Upper	
202	100		
200	22.5	17.4	26.2
203	18.9	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 34.505 ng

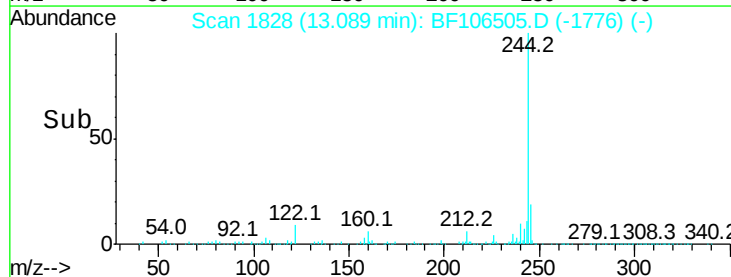
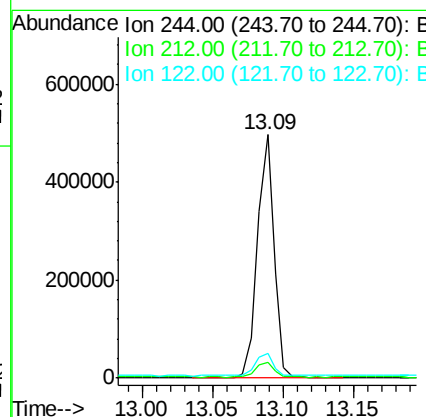
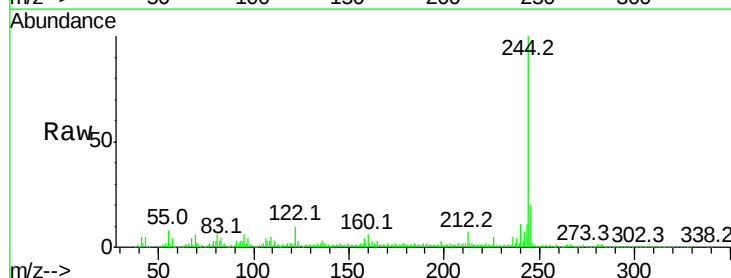
RT: 13.09 min Scan# 1828

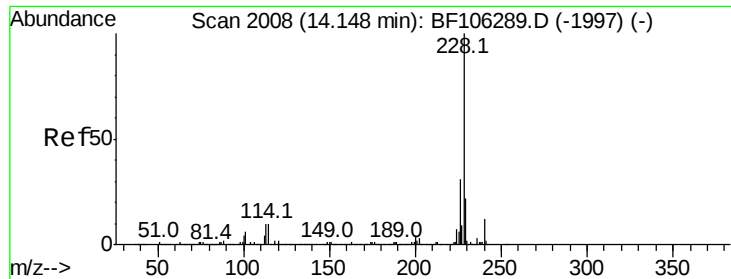
Delta R.T. 0.01 min

Lab File: BF106505.D

Acq: 15 Jun 2018 21:12

Tgt Ion:	244	Resp:	409568
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	10.3	11.0	16.4#





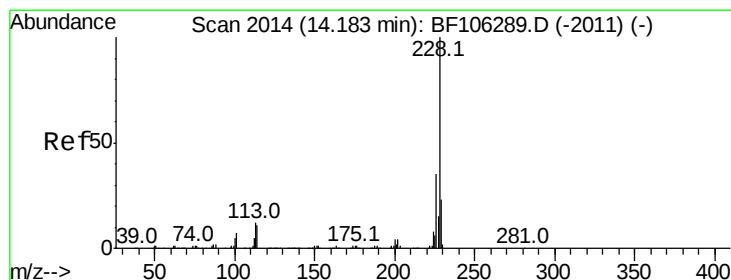
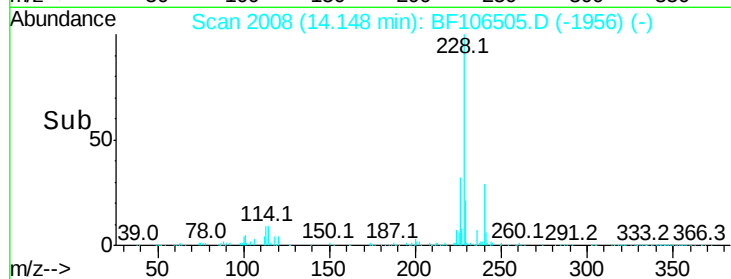
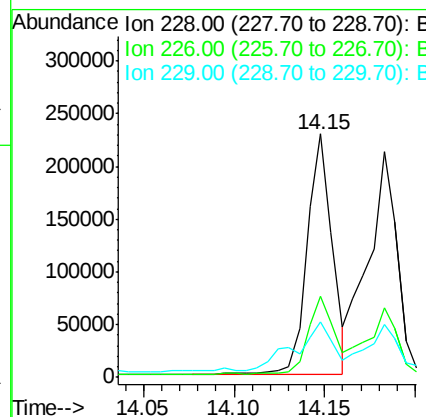
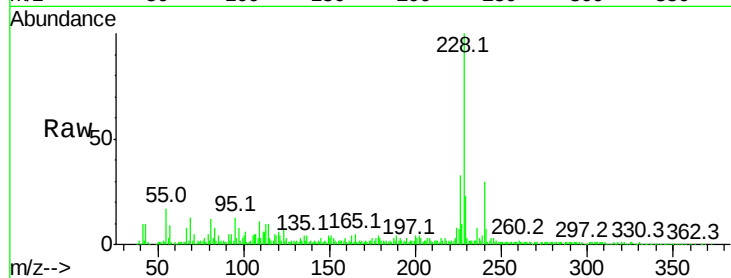
#80
Benzo(a)anthracene
Concen: 12.694 ng
RT: 14.15 min Scan# 2008
Delta R.T. 0.01 min
Lab File: BF106505.D
Acq: 15 Jun 2018 21:12

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-7

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.1	22.6	33.8
229	23.0	15.8	23.6

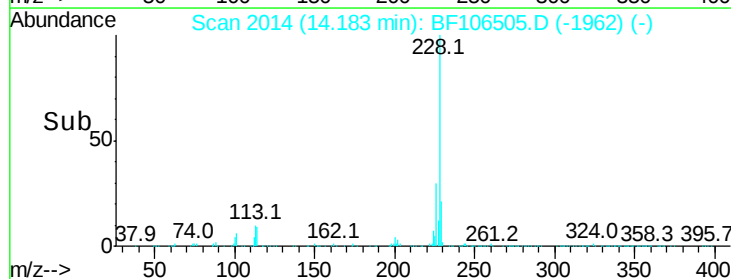
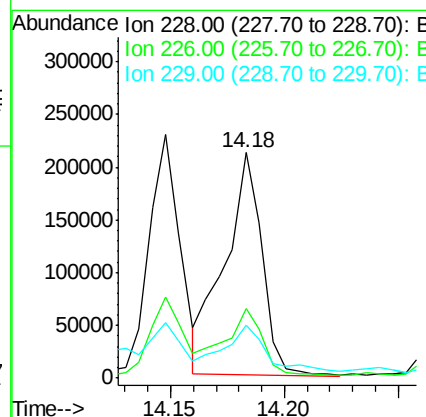
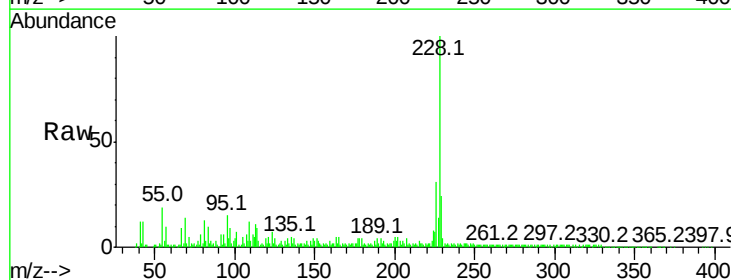
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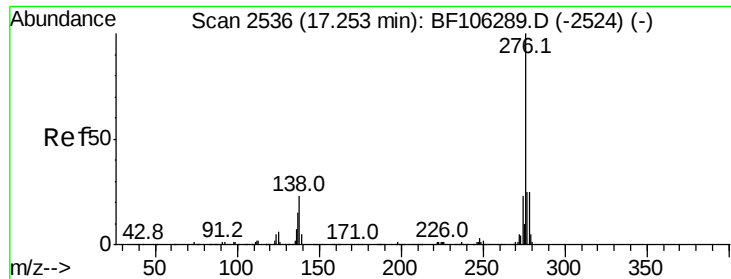
Sohil
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#82
Chrysene
Concen: 14.988 ng m
RT: 14.18 min Scan# 2014
Delta R.T. 0.01 min
Lab File: BF106505.D
Acq: 15 Jun 2018 21:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	25.0	37.6
229	23.7	16.2	24.4





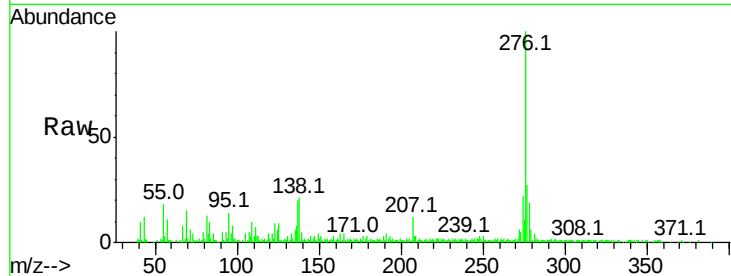
#85
Indeno(1,2,3-cd)pyrene
Concen: 10.554 ng/ml
RT: 17.27 min Scan# 2538
Delta R.T. 0.01 min
Lab File: BF106505.D
Acq: 15 Jun 2018 21:12

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-7

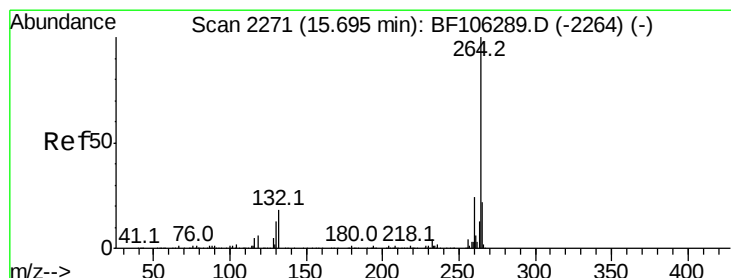
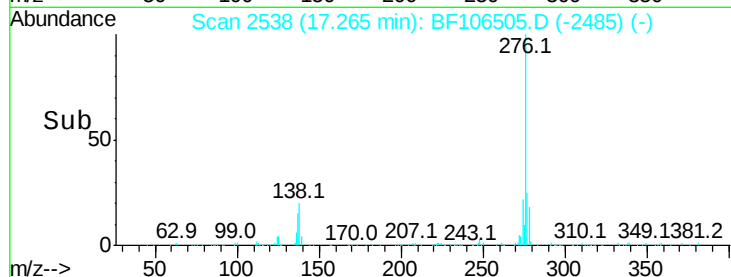
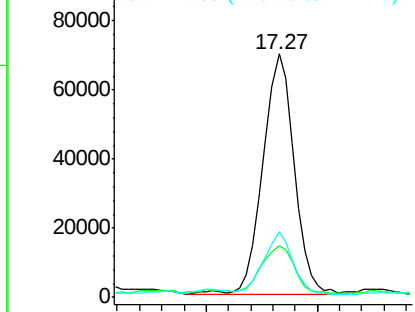
Tot Ion	Ratio	Lower	Upper
276	100		
138	5.9	25.0	37.6#
277	4.7	20.1	30.1#

Manual Integrations
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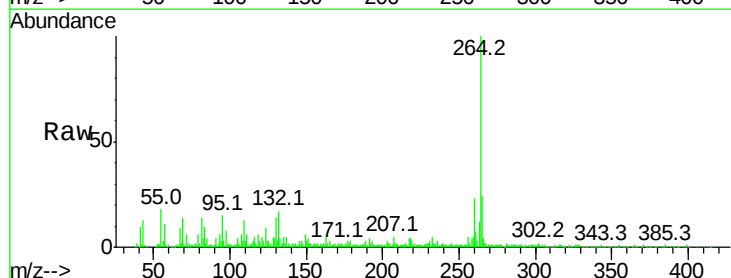


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

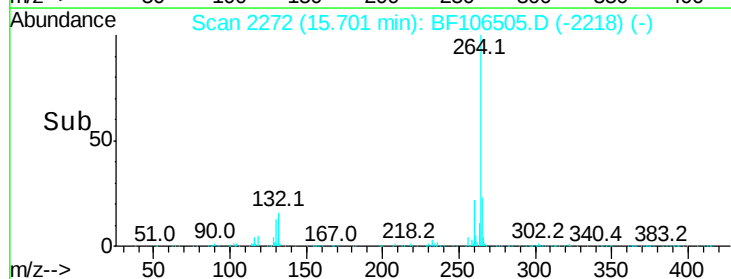
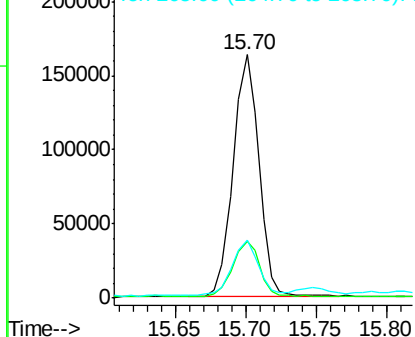


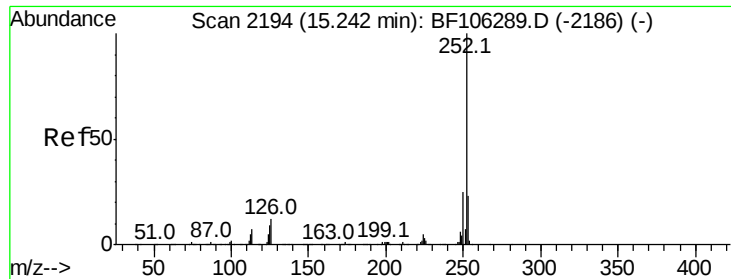
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. 0.02 min
Lab File: BF106505.D
Acq: 15 Jun 2018 21:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	23.6	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 23.388 ng m

RT: 15.24 min Scan# 2194

Delta R.T. 0.01 min

Lab File: BF106505.D

Acq: 15 Jun 2018 21:12

Instrument :

BNA_F

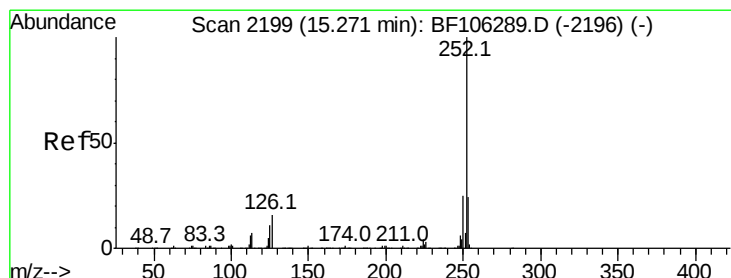
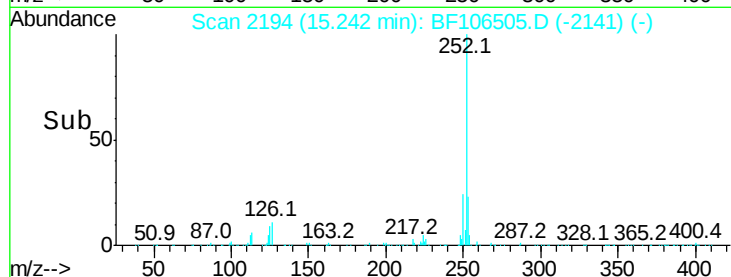
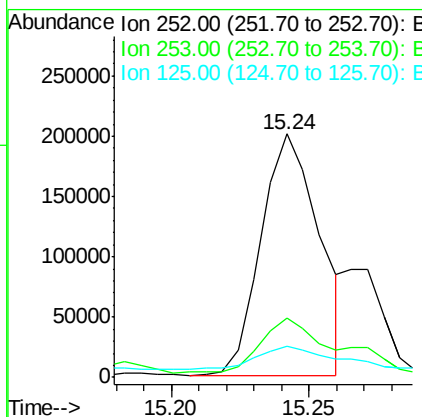
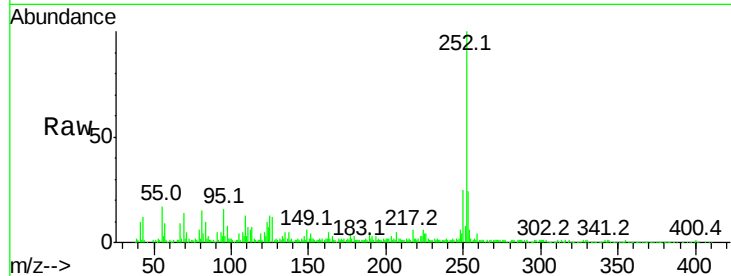
ClientSampleId :

DOCUMENTATION-7

Tot Ion:	252	Resp:	294537
Ion Ratio	Lower	Upper	
252	100		
253	24.4	17.0	25.6
125	12.9	9.0	13.6

Manual Integrations
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Sohil
6/18/2018 10:38:39 AM



#88

Benzo(k)fluoranthene

Concen: 6.974 ng m

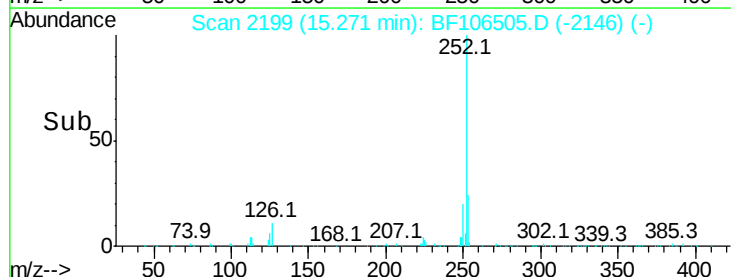
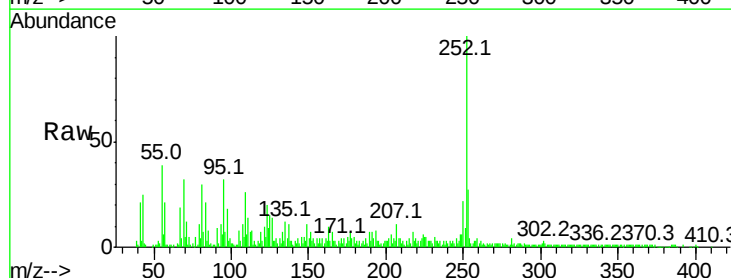
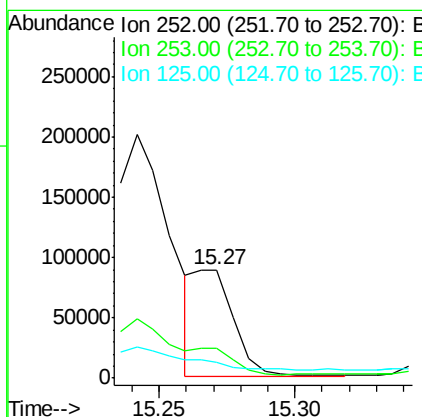
RT: 15.27 min Scan# 2199

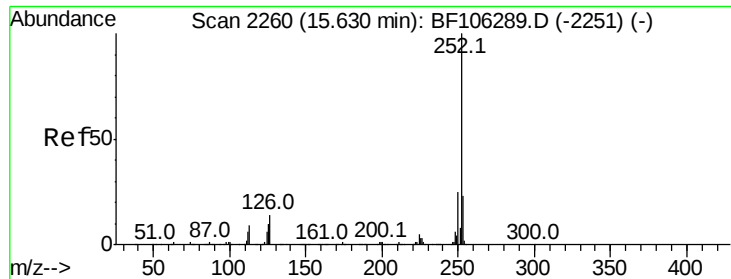
Delta R.T. 0.01 min

Lab File: BF106505.D

Acq: 15 Jun 2018 21:12

Tgt Ion:	252	Resp:	86980
Ion Ratio	Lower	Upper	
252	100		
253	27.3	17.9	26.9#
125	14.6	10.2	15.2





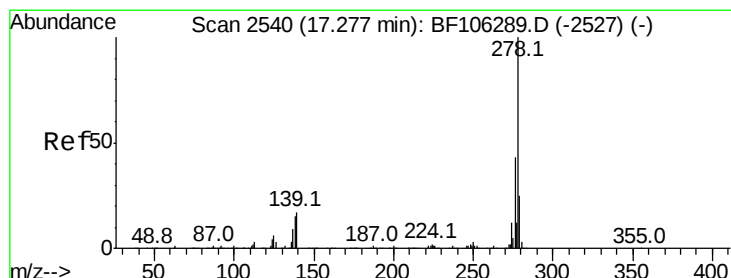
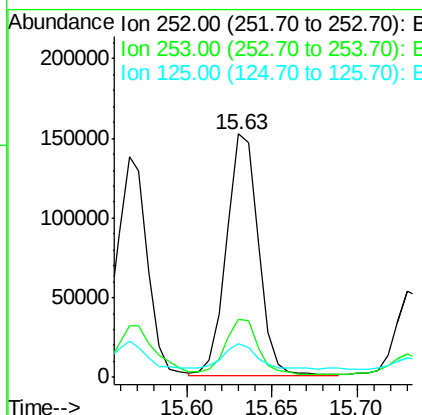
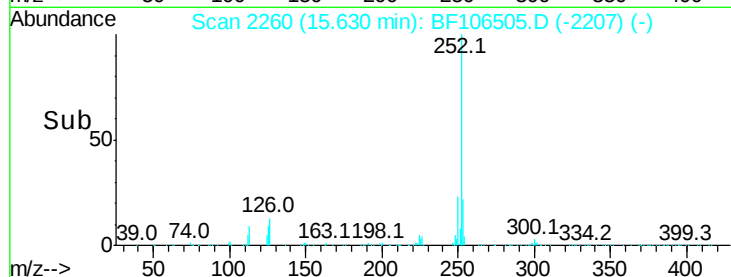
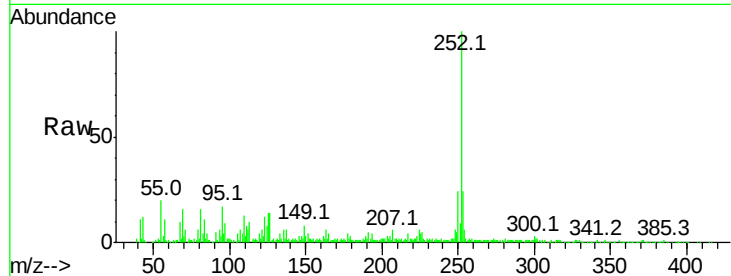
#89
Benzo(a)pyrene
Concen: 17.467 ng
RT: 15.63 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BF106505.D
Acq: 15 Jun 2018 21:12

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	13.7	9.8	14.6

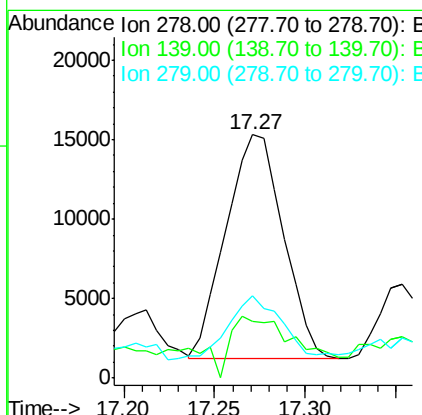
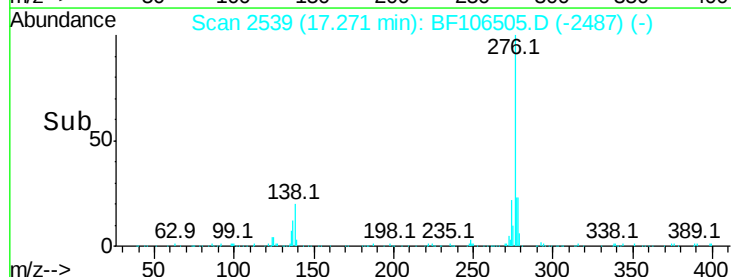
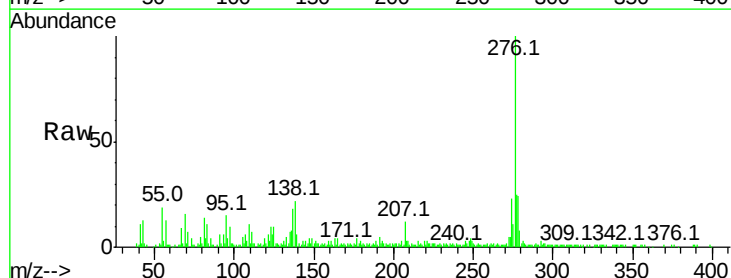
Manual Integrations
APPROVED

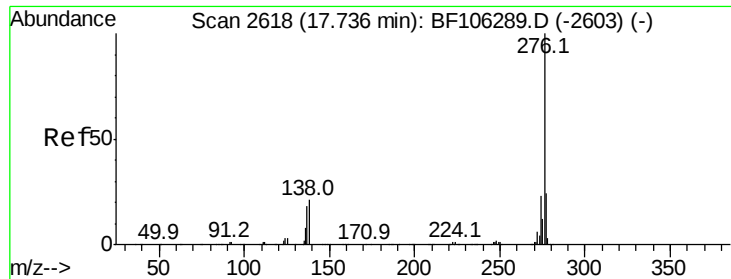
Sohil
6/18/2018 10:38:39 AM



#90
Dibenzo(a,h)anthracene
Concen: 3.293 ng
RT: 17.27 min Scan# 2539
Delta R.T. 0.01 min
Lab File: BF106505.D
Acq: 15 Jun 2018 21:12

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.2	15.9	23.9
279	34.1	19.0	28.4#





#91
 Benzo(a,h,i)perylene
 Concen: 15.000 ng
 RT: 17.74 min Scan# 2619
 Delta R.T. 0.01 min
 Lab File: BF106505.D
 Acq: 15 Jun 2018 21:12

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-7

Tot Ion:	276	Resp:	137661
Ion Ratio	Lower	Upper	
276	100		
277	24.3	17.9	26.9
138	22.5	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 6/18/2018 10:38:39 AM

