

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
 Data File : BF106509.D
 Acq On : 15 Jun 2018 22:58
 Operator : JU/SJ
 Sample : J3486-05 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-8

Manual Integrations
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Sohil
 6/18/2018 10:38:42 AM

Quant Time: Jun 16 02:19:10 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	118969	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	422410	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	176004	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	342183	20.00	ng	0.00
75) Chrysene-d12	14.15	240	318600	20.00	ng	0.00
86) Perylene-d12	15.69	264	223173	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	326394	46.43	ng	0.00
7) Phenol-d6	6.61	99	399138	44.94	ng	0.00
23) Nitrobenzene-d5	7.52	82	241574	33.64	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	84935	50.15	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	422590	32.90	ng	0.00
78) Terphenyl-d14	13.08	244	494196	38.53	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.71	163	40746	3.240	ng	Qvalue # 99
57) Fluorene	10.55	166	23647	2.055	ng	97
70) Phenanthrene	11.52	178	382535	22.827	ng	99
71) Anthracene	11.57	178	126369	7.527	ng	99
72) Carbazole	11.73	167	38347	2.474	ng	97
74) Fluoranthene	12.72	202	804322	45.006	ng	98
77) Pyrene	12.95	202	745779	37.389	ng	99
79) Butylbenzylphthalate	13.55	149	15926	2.133	ng	# 89
80) Benzo(a)anthracene	14.14	228	426178	22.478	ng	96
82) Chrysene	14.18	228	352649	20.372	ng	98
85) Indeno(1,2,3-cd)pyrene	17.26	276	147041	10.644	ng	# 89
87) Benzo(b)fluoranthene	15.24	252	382577m	28.359	ng	
88) Benzo(k)fluoranthene	15.26	252	130361m	9.757	ng	
89) Benzo(a)pyrene	15.62	252	259272	21.367	ng	96
90) Dibenzo(a,h)anthracene	17.27	278	36376	3.596	ng	93
91) Benzo(g,h,i)perylene	17.74	276	152402	15.502	ng	# 91

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

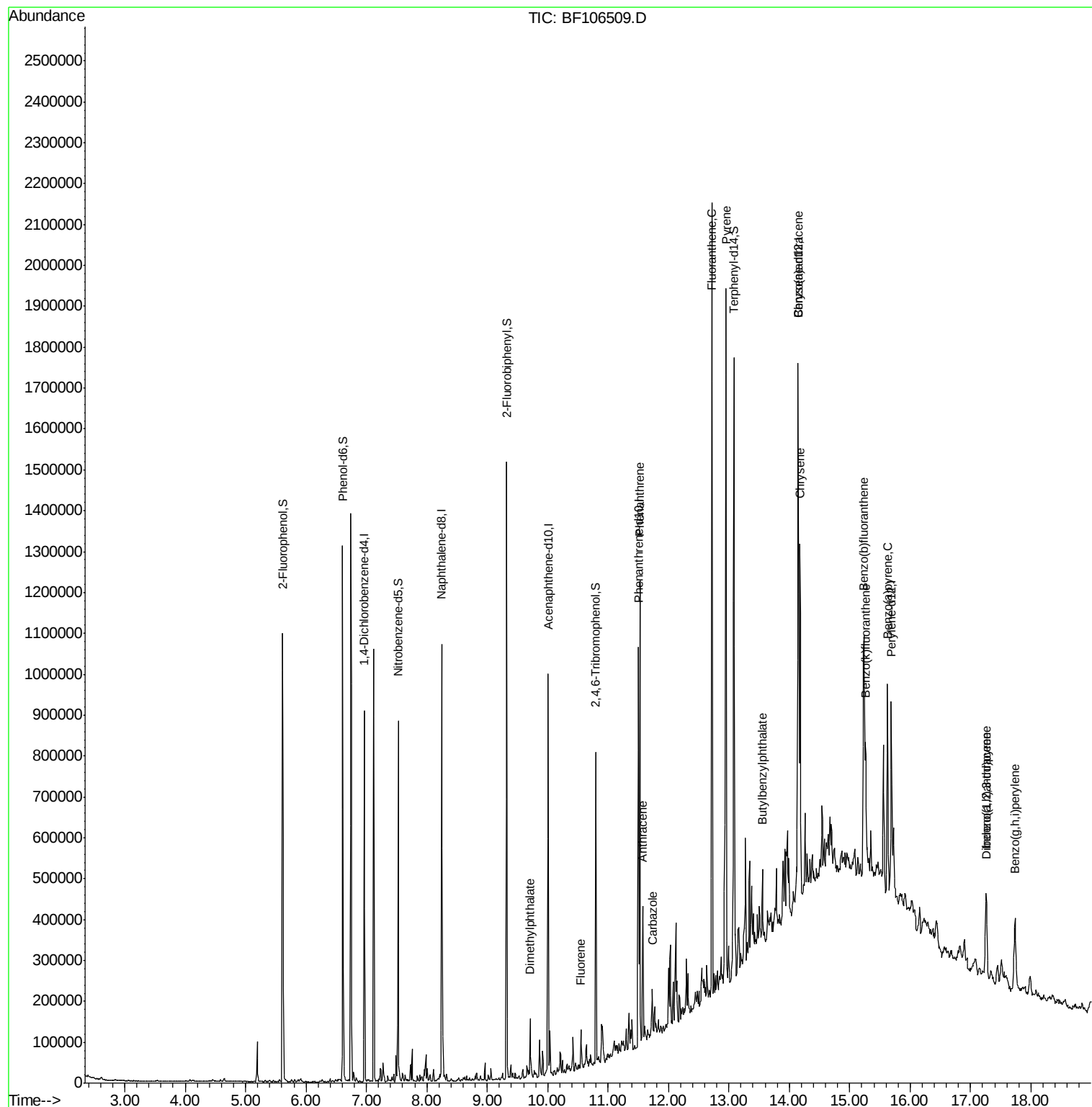
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061518\
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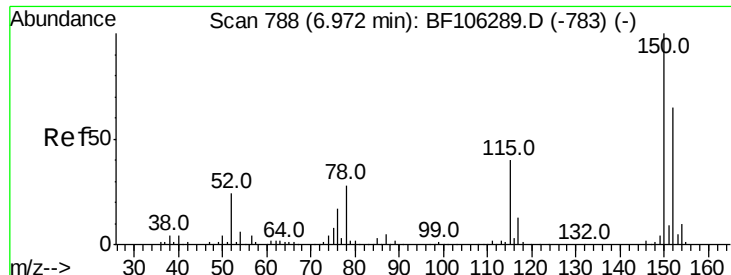
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

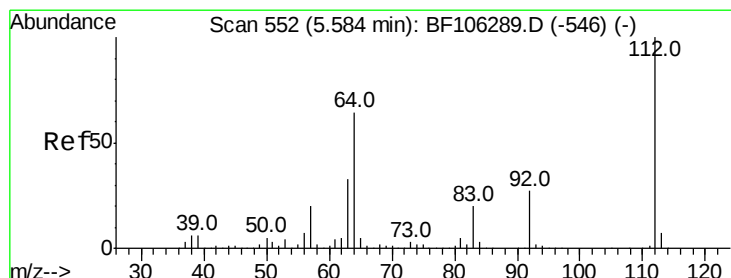
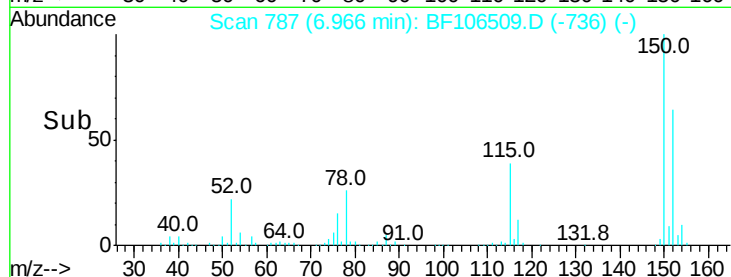
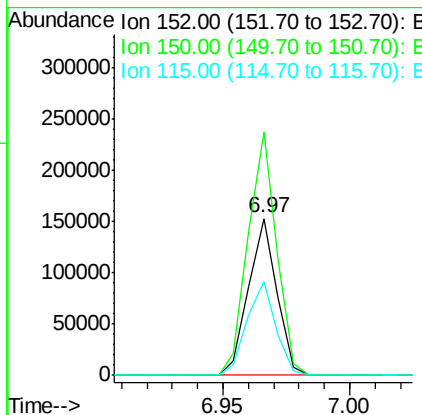
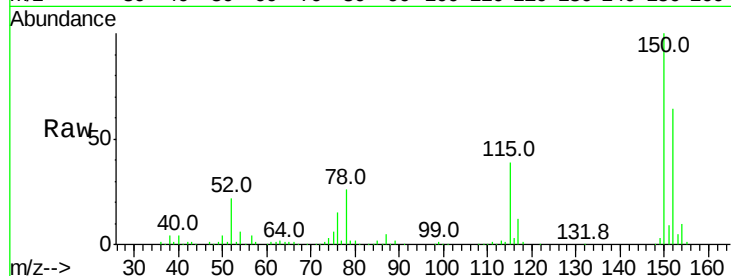
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF106509.D
Acq: 15 Jun 2018 22:58

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.6	186.8
115	59.9	50.1	75.1

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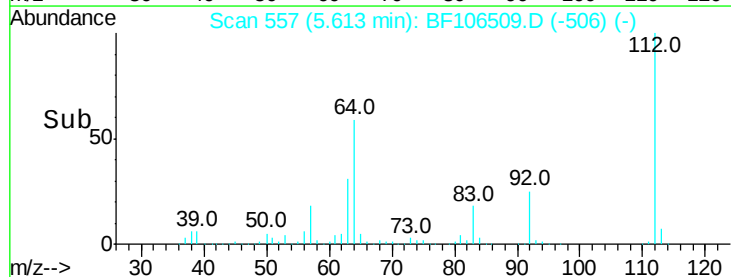
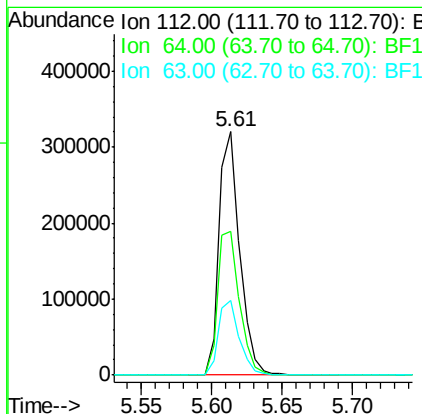
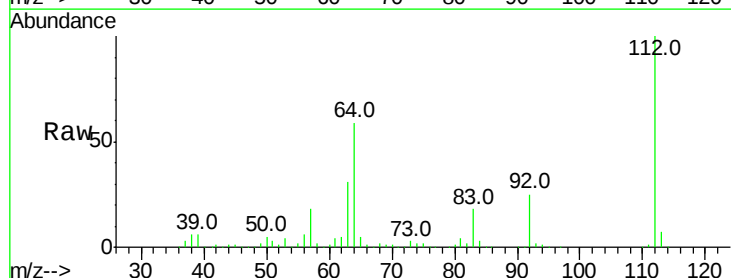
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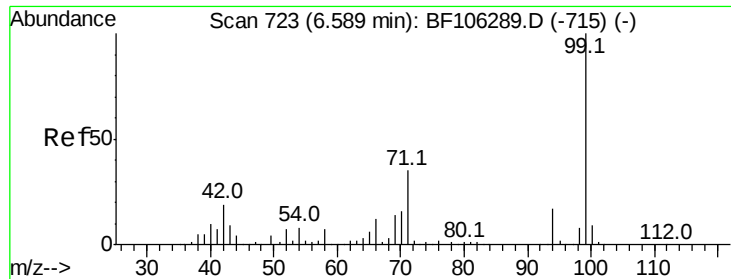


#5

2-Fluorophenol
Concen: 46.434 ng
RT: 5.61 min Scan# 557
Delta R.T. 0.00 min
Lab File: BF106509.D
Acq: 15 Jun 2018 22:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	47.9	71.9
63	30.5	23.7	35.5





#7

Phenol-d6

Concen: 44.944 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106509.D

Acq: 15 Jun 2018 22:58

Instrument :

BNA_F

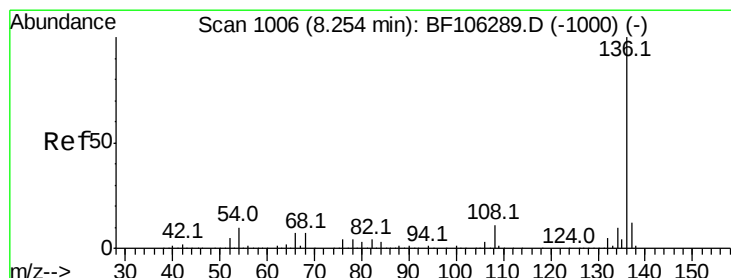
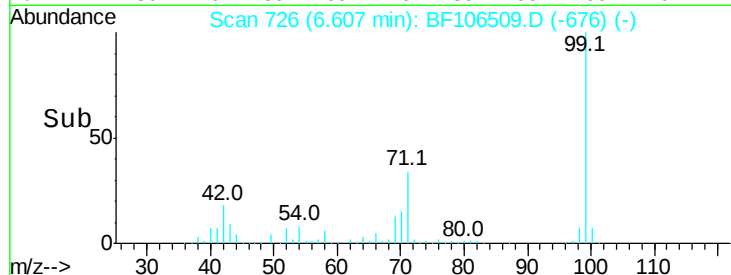
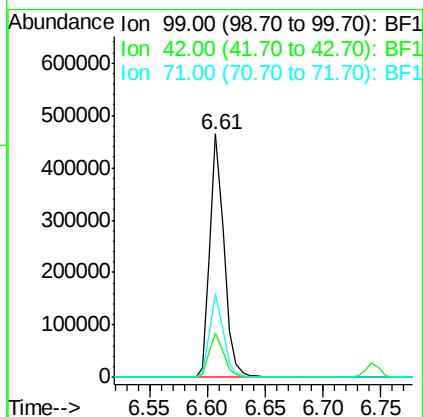
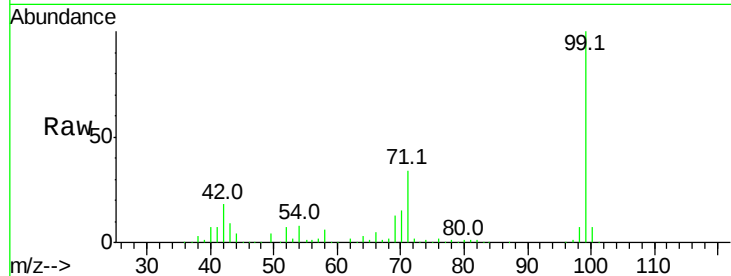
ClientSampleId :

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Tot Ion:	99	Resp:	399138
Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.5	21.7
71	34.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

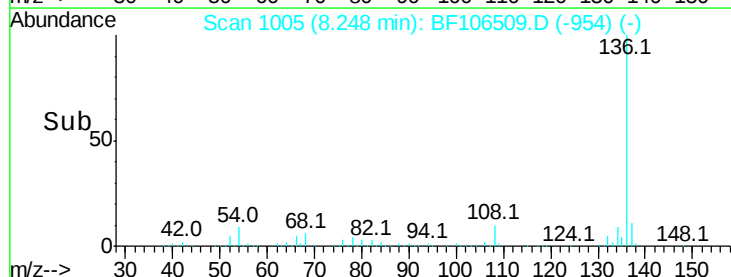
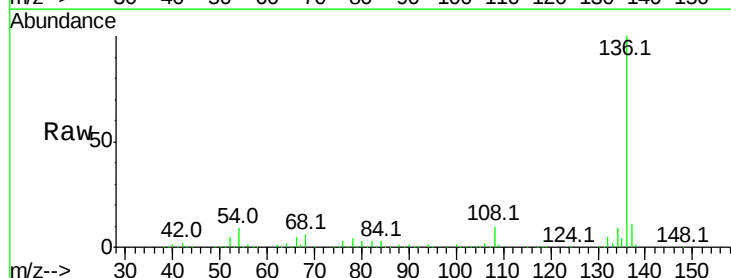
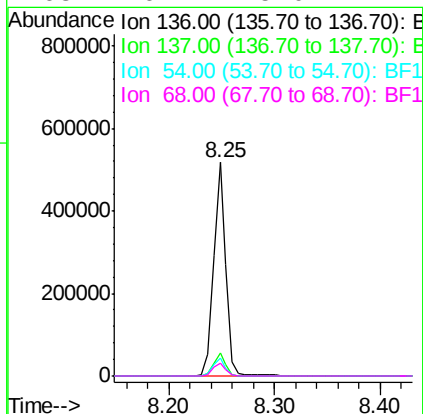
RT: 8.25 min Scan# 1005

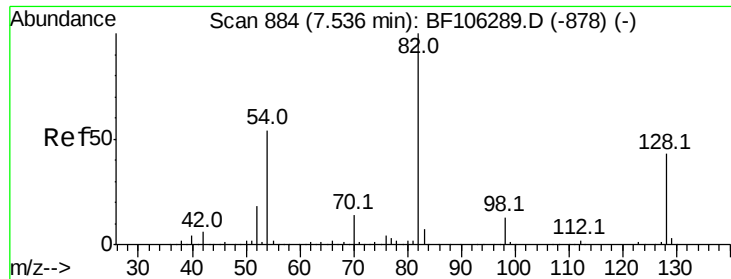
Delta R.T. 0.00 min

Lab File: BF106509.D

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Tgt Ion:	136	Resp:	422410
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	8.7	6.6	9.8
68	6.2	5.0	7.4





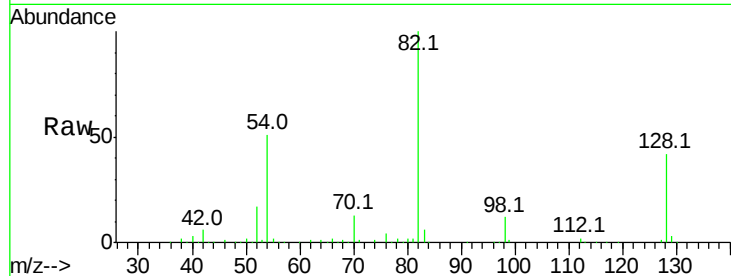
#23
Nitrobenzene-d5
Concen: 33.644 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106509.D
Acq: 15 Jun 2018 22:58

Instrument :
BNA_F
ClientSampleId :
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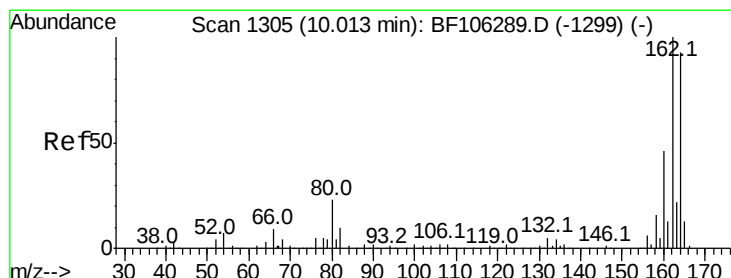
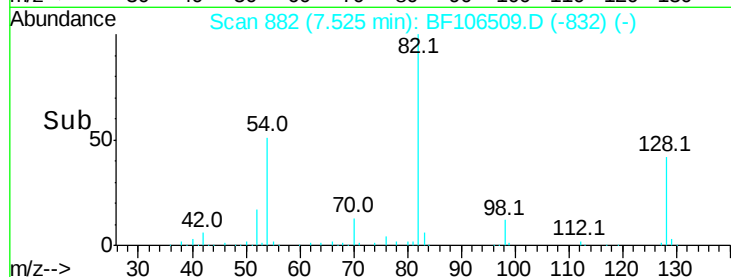
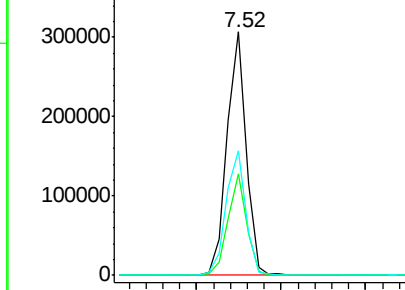
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.7	36.1	54.1
54	51.2	41.4	62.2

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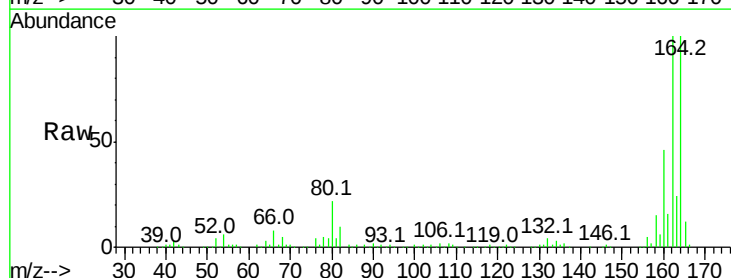


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

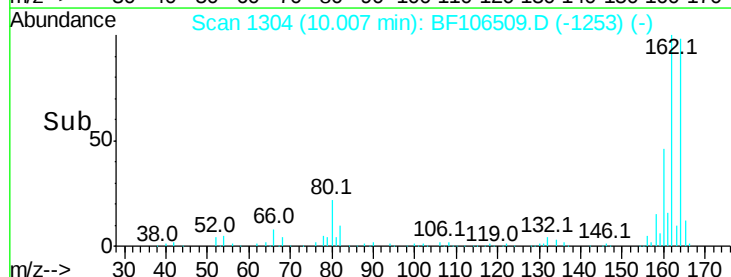
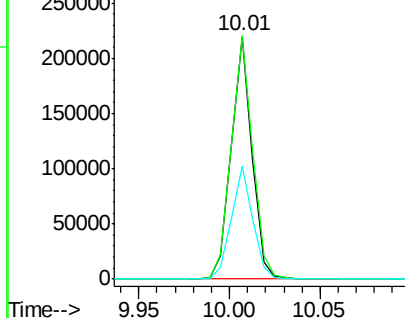


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1304
Delta R.T. 0.00 min
Lab File: BF106509.D
Acq: 15 Jun 2018 22:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.3	86.1	129.1
160	46.4	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





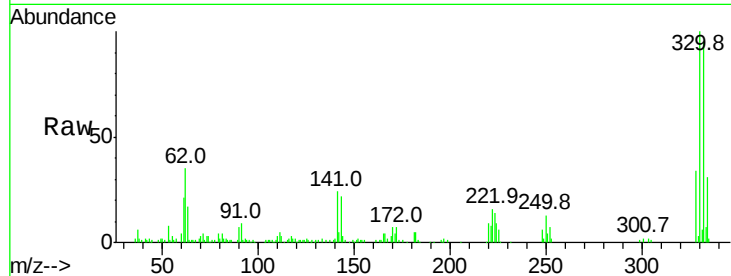
#41
 2,4,6-Tribromophenol
 Concen: 50.155 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF106509.D
 Acq: 15 Jun 2018 22:58

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 ClientSampleId :
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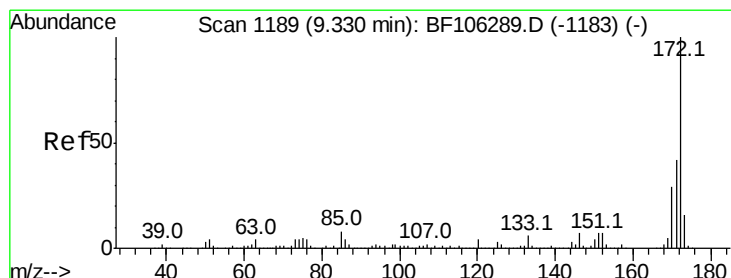
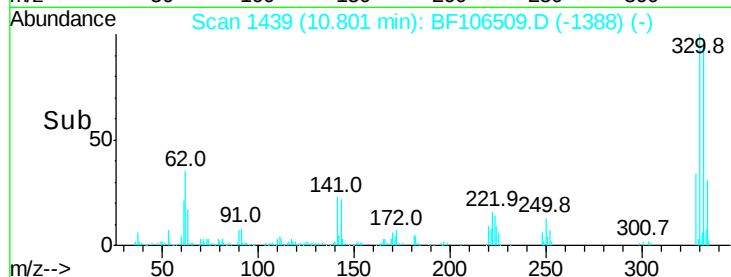
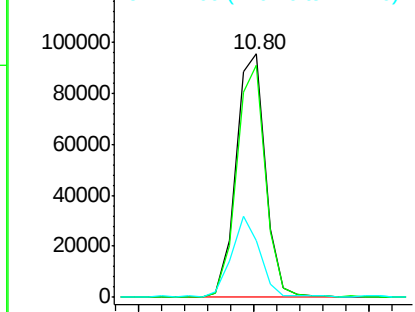
Tot Ion	Ratio	Lower	Upper
330	100		
332	93.7	77.0	115.6
141	31.1	29.9	44.9

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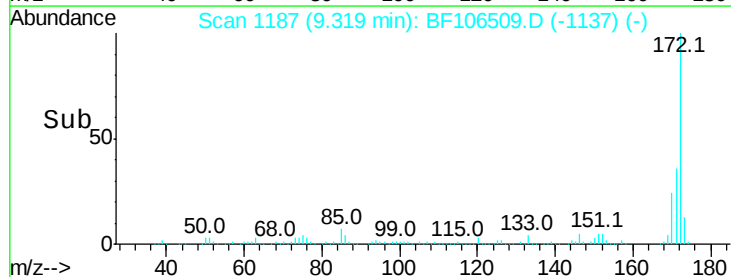
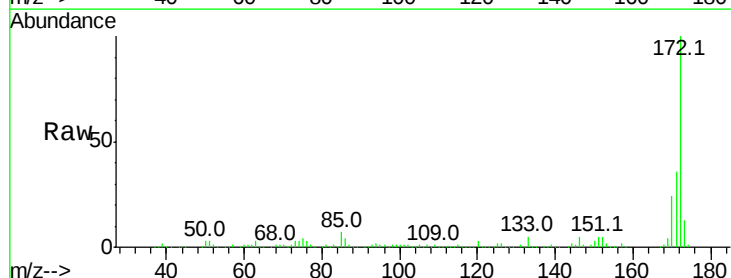
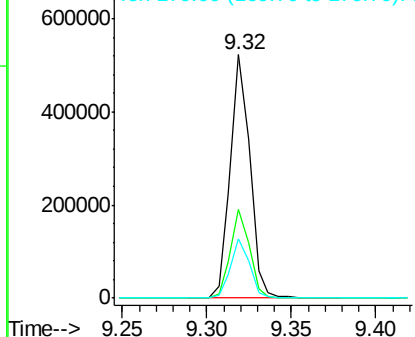
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

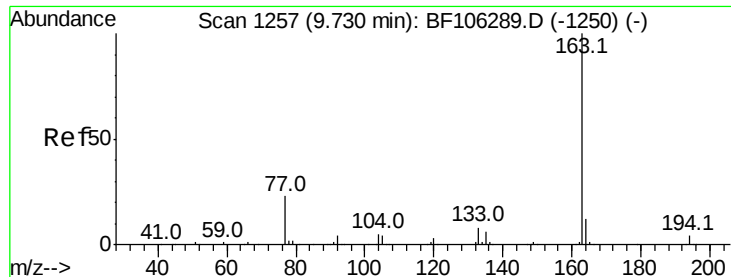


#44
 2-Fluorobiphenyl
 Concen: 32.899 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106509.D
 Acq: 15 Jun 2018 22:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.4	19.6	29.4

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





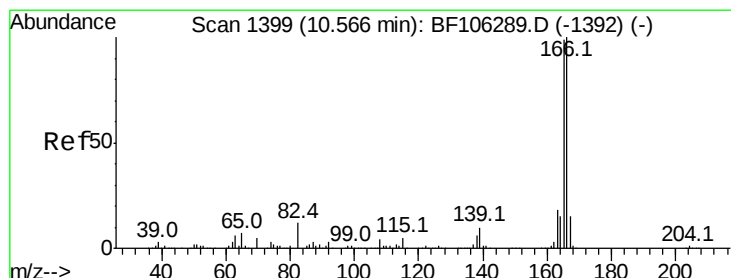
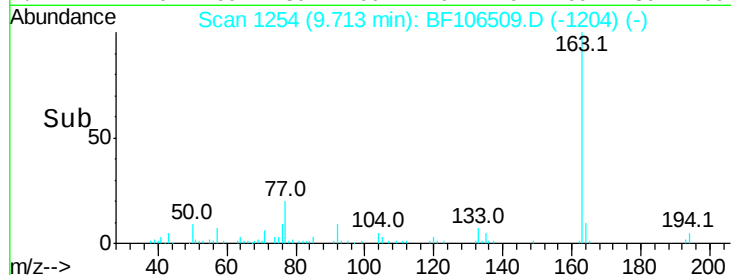
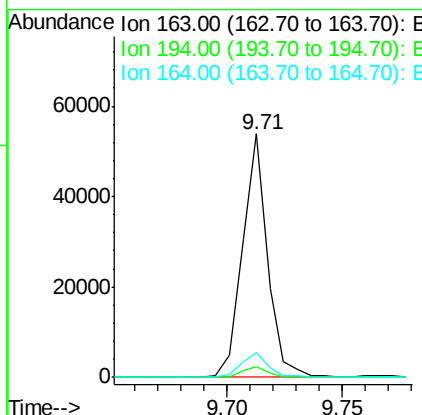
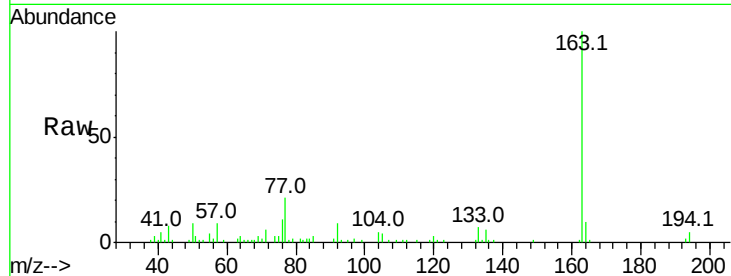
#49
Dimethylphthalate
Concen: 3.240 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BF106509.D
Acq: 15 Jun 2018 22:58

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
163	100		
194	4.6	2.7	4.1#
164	10.4	8.2	12.2

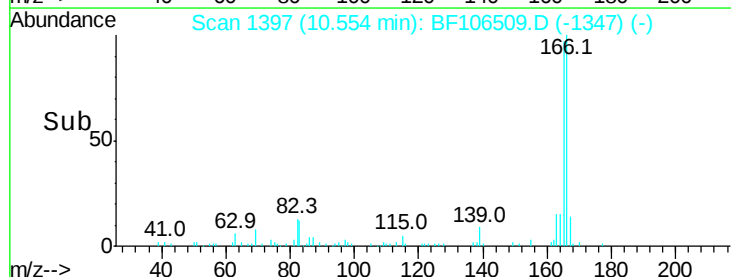
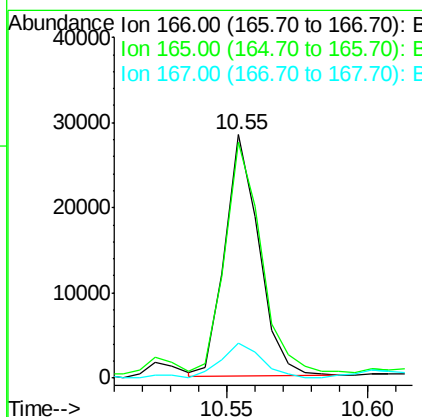
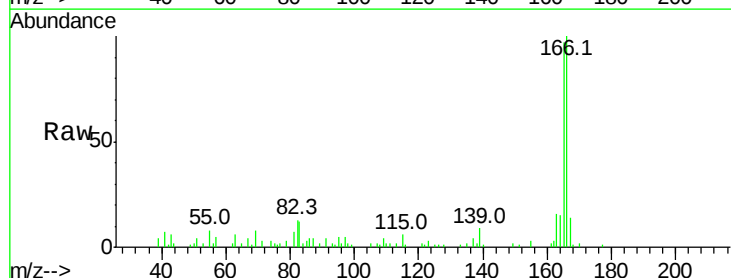
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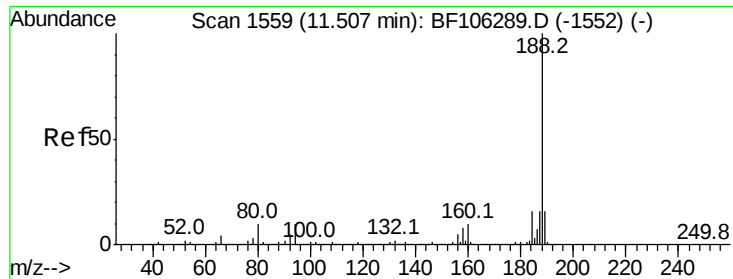
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#57
Fluorene
Concen: 2.055 ng
RT: 10.55 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF106509.D
Acq: 15 Jun 2018 22:58

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.8	79.8	119.8
167	14.5	10.6	16.0





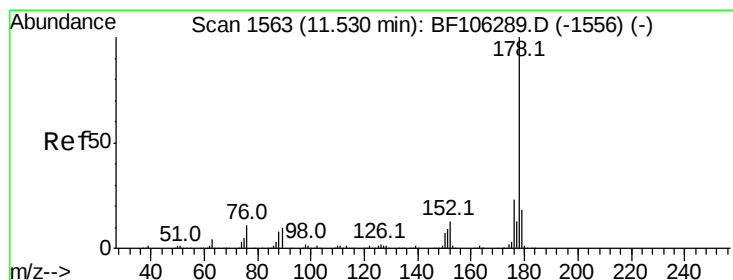
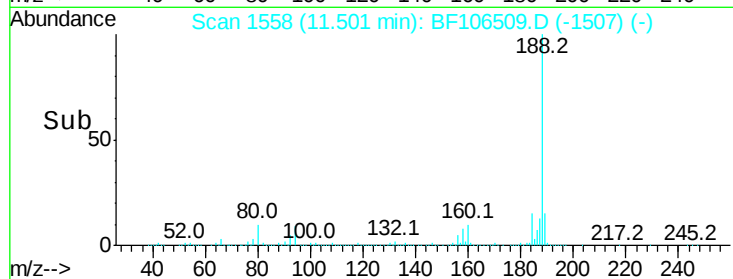
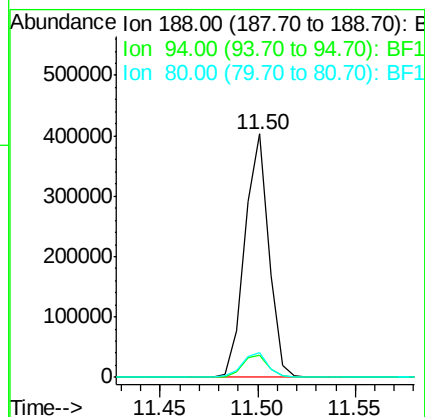
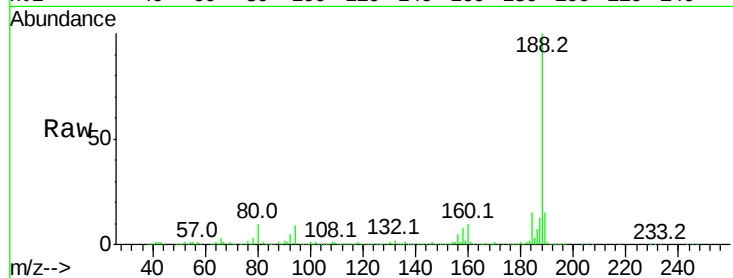
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF106509.D
Acq: 15 Jun 2018 22:58

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Tot Ion	Ratio	Resp	Lower	Upper
188	100	342183		
94	9.2		8.5	12.7
80	10.2		9.2	13.8

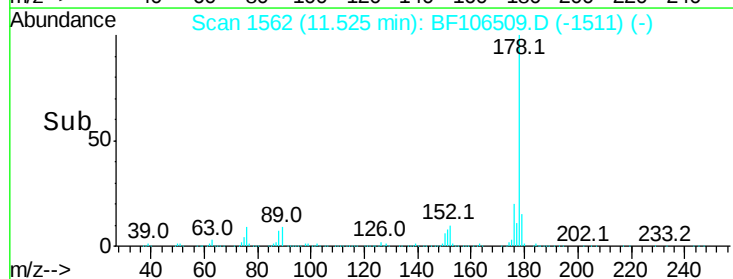
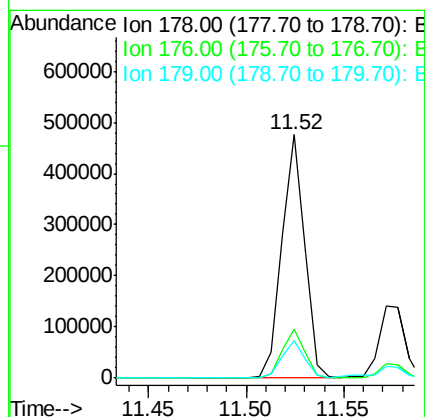
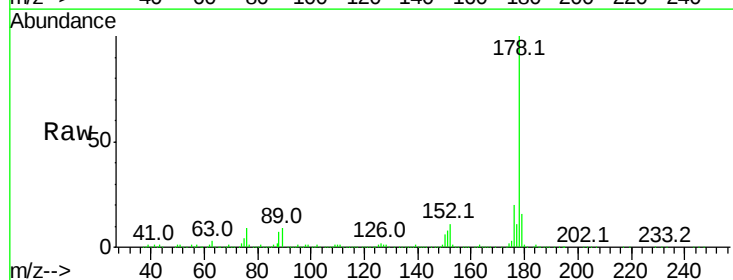
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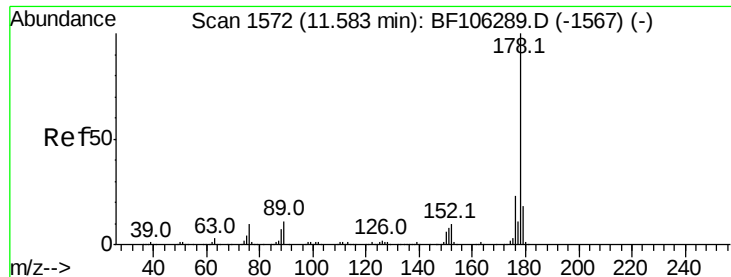
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#70
Phenanthrene
Concen: 22.827 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF106509.D
Acq: 15 Jun 2018 22:58

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	382535		
176	20.3		15.8	23.8
179	15.6		13.0	19.6





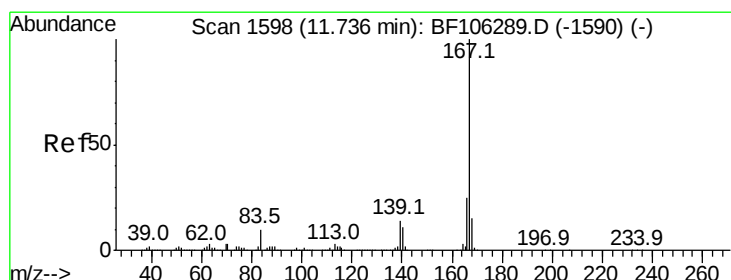
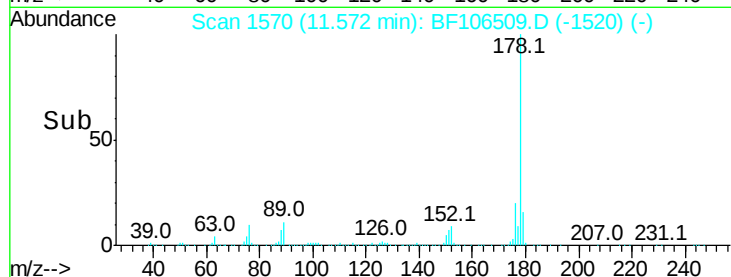
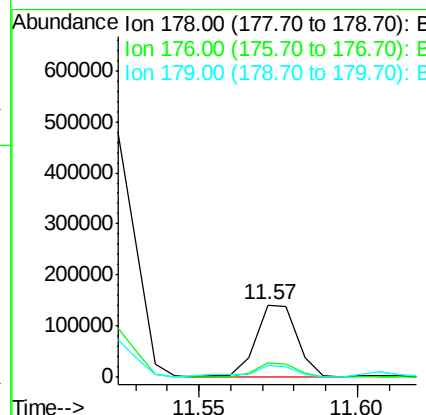
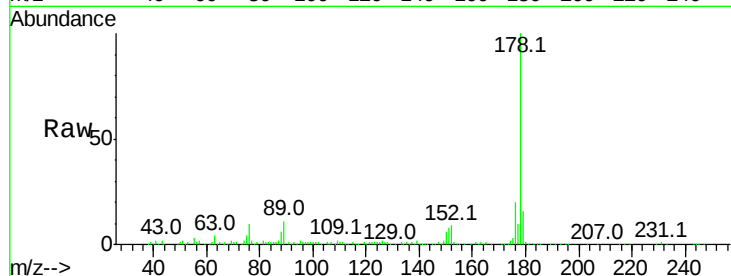
#71
 Anthracene
 Concen: 7.527 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF106509.D
 Acq: 15 Jun 2018 22:58

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.4	23.2
179	16.2	12.6	19.0

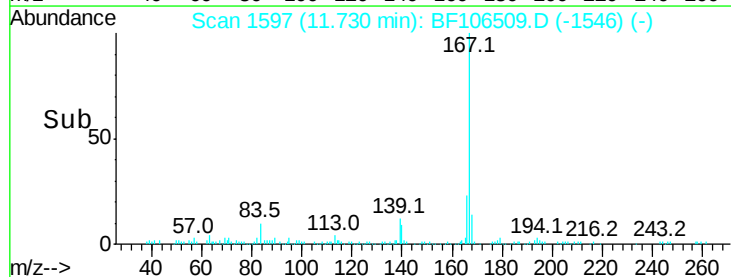
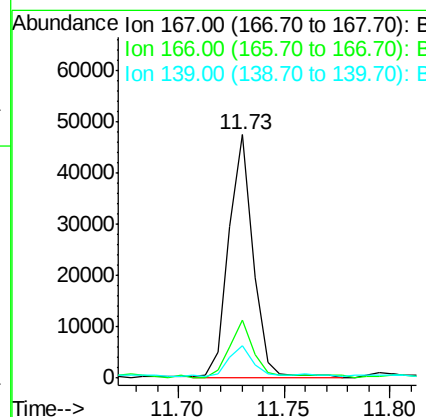
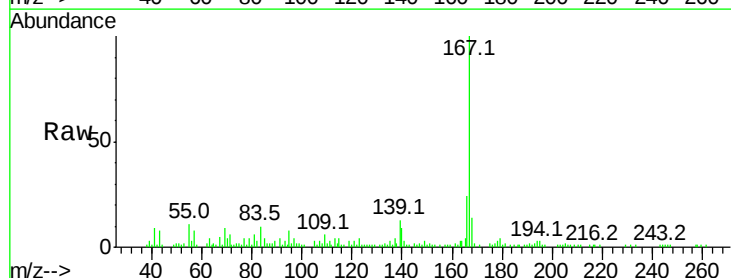
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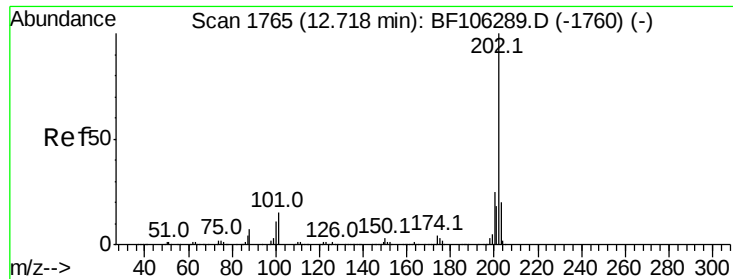
Sohil
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#72
 Carbazole
 Concen: 2.474 ng
 RT: 11.73 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: BF106509.D
 Acq: 15 Jun 2018 22:58

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.9	17.6	26.4
139	13.3	10.9	16.3





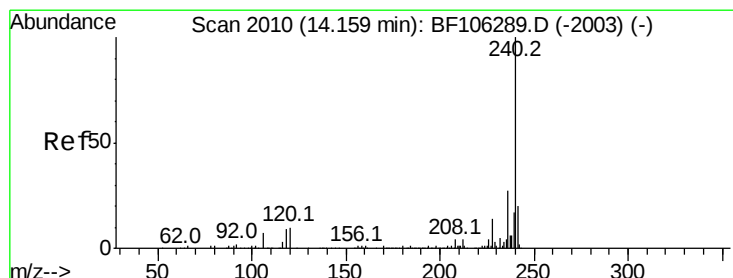
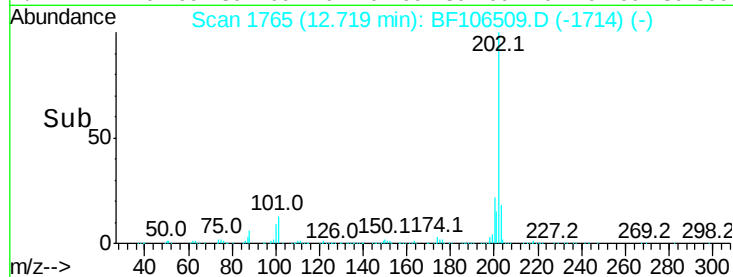
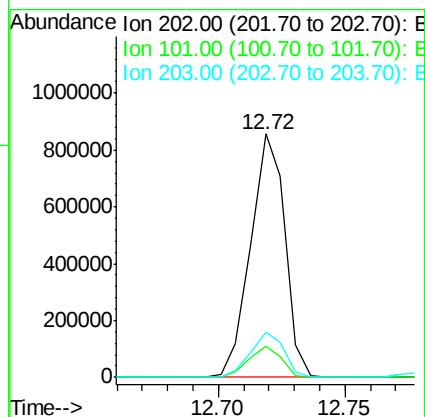
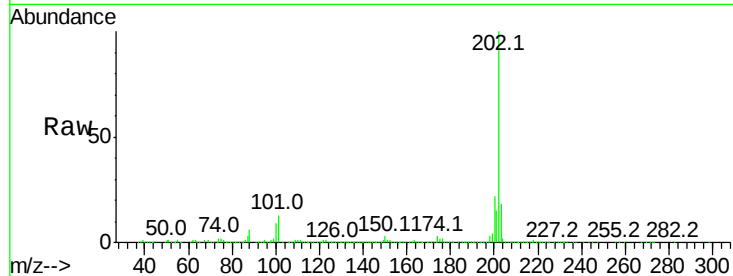
#74
Fluoranthene
Concen: 45.006 ng
RT: 12.72 min Scan# 1765
Delta R.T. 0.00 min
Lab File: BF106509.D
Acq: 15 Jun 2018 22:58

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-8

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.7	0.0	34.1
203	18.5	0.0	38.1

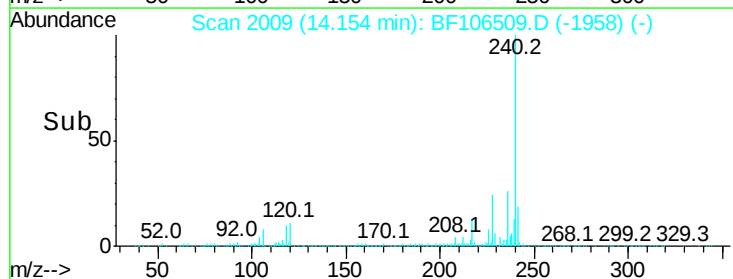
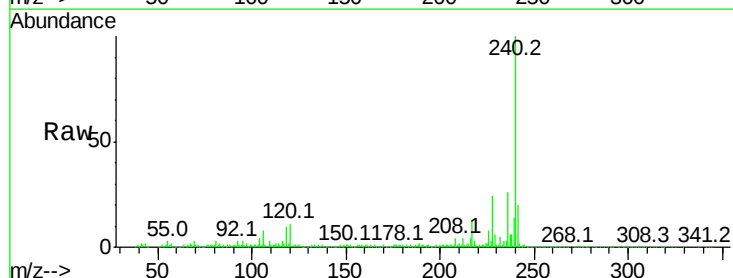
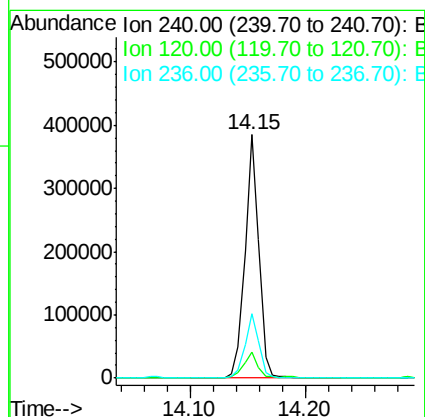
Manual Integrations
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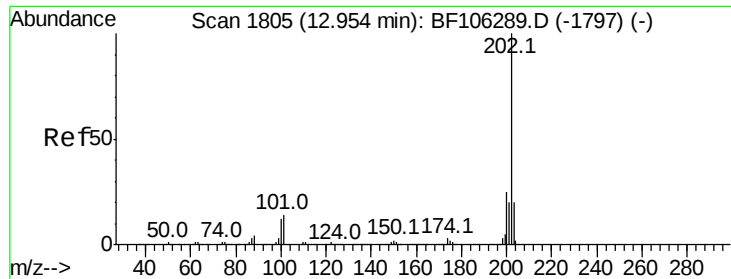
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BF106509.D
Acq: 15 Jun 2018 22:58

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.8	9.5	14.3
236	26.4	20.7	31.1





#77

Pvrene

Concen: 37.389 ng

RT: 12.95 min Scan# 1805

Delta R.T. 0.01 min

Lab File: BF106509.D

Acq: 15 Jun 2018 22:58

Instrument :

BNA_F

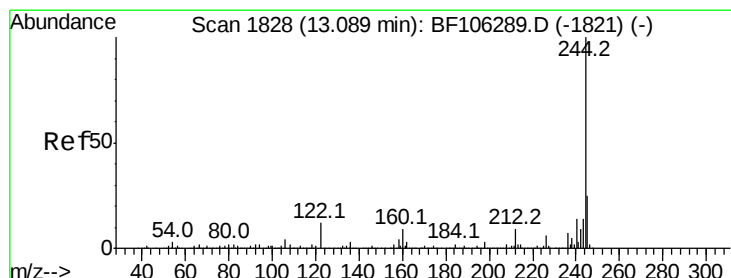
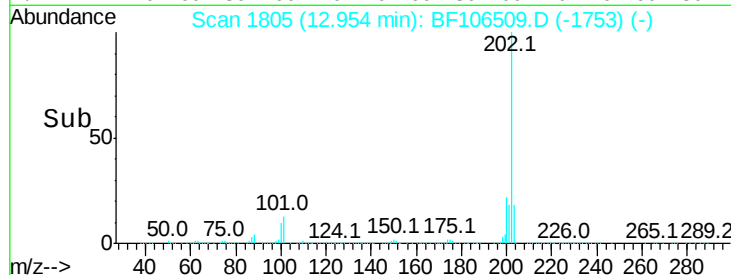
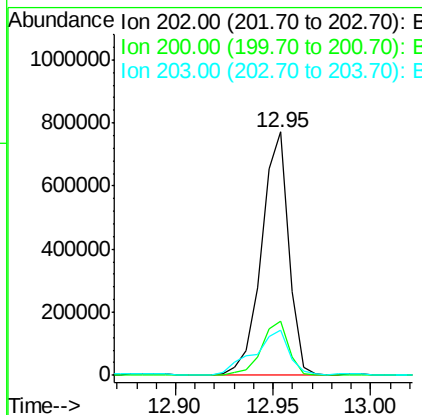
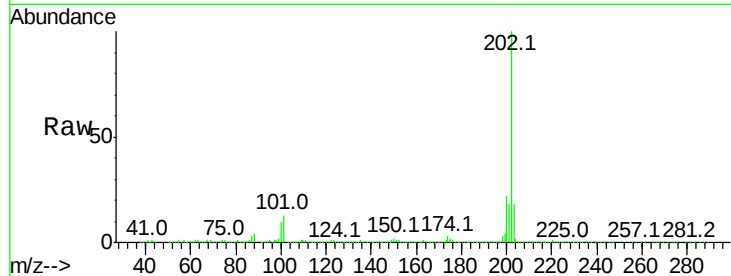
ClientSampleId :

DOCUMENTATION-8

Tot Ion:	202	Resp:	745779
Ion Ratio		Lower	Upper
202	100		
200	22.2	17.4	26.2
203	18.4	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 38.527 ng

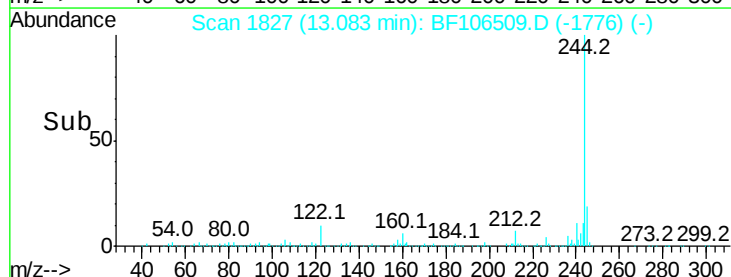
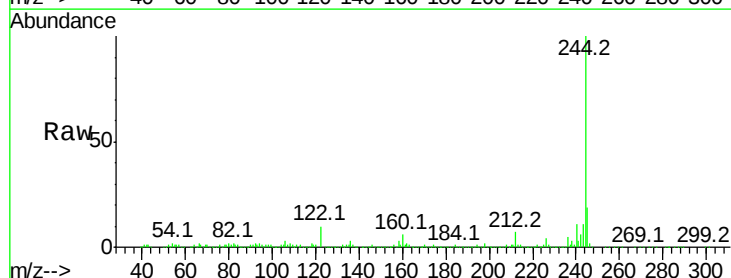
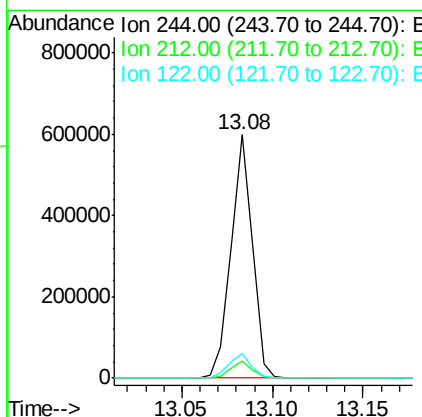
RT: 13.08 min Scan# 1827

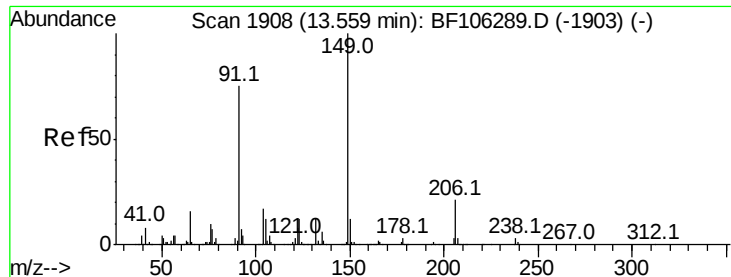
Delta R.T. 0.00 min

Lab File: BF106509.D

Acq: 15 Jun 2018 22:58

Tgt Ion:	244	Resp:	494196
Ion Ratio		Lower	Upper
244	100		
212	7.0	5.4	8.0
122	10.1	11.0	16.4#





#79

Butylbenzylphthalate

Concen: 2.133 ng

RT: 13.55 min Scan# 1907

Delta R.T. 0.00 min

Lab File: BF106509.D

Acq: 15 Jun 2018 22:58

Instrument :

BNA_F

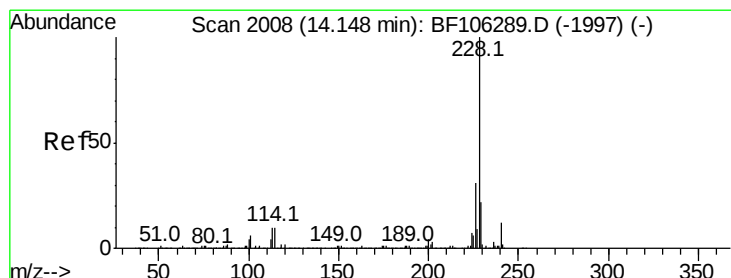
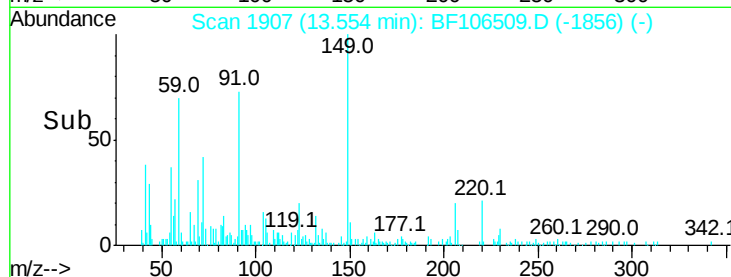
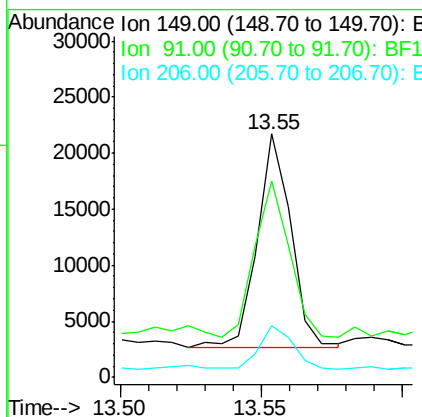
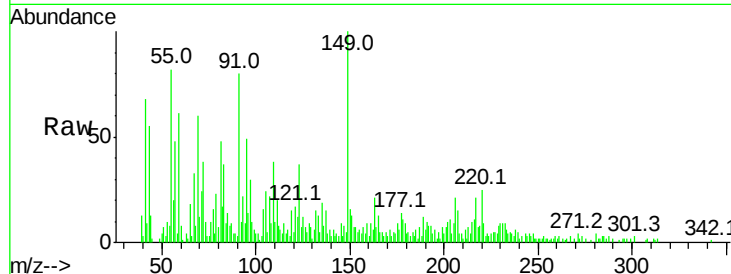
ClientSampleId :

DOCUMENTATION-8

Tot Ion:	149	Resp:	15926
Ion Ratio	Lower	Upper	
149	100		
91	80.4	56.8	85.2
206	21.3	14.1	21.1

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#80

Benzo(a)anthracene

Concen: 22.478 ng

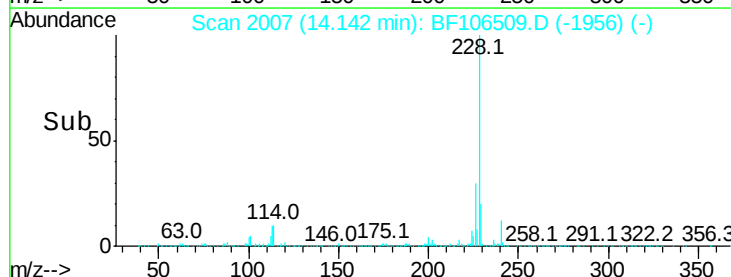
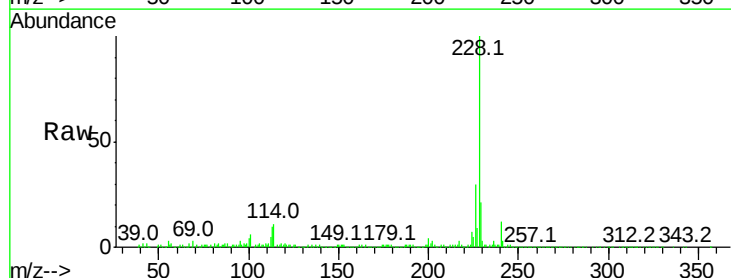
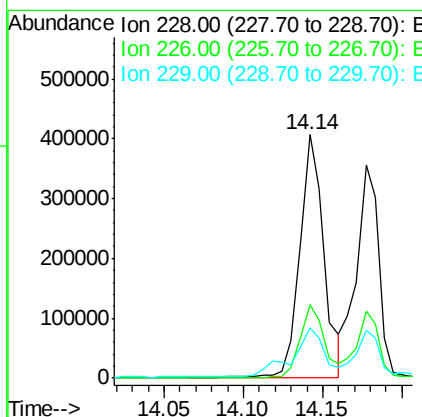
RT: 14.14 min Scan# 2007

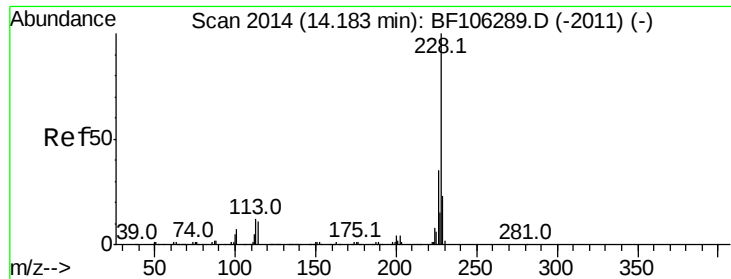
Delta R.T. 0.00 min

Lab File: BF106509.D

Acq: 15 Jun 2018 22:58

Tgt Ion:	228	Resp:	426178
Ion Ratio	Lower	Upper	
228	100		
226	30.4	22.6	33.8
229	20.9	15.8	23.6





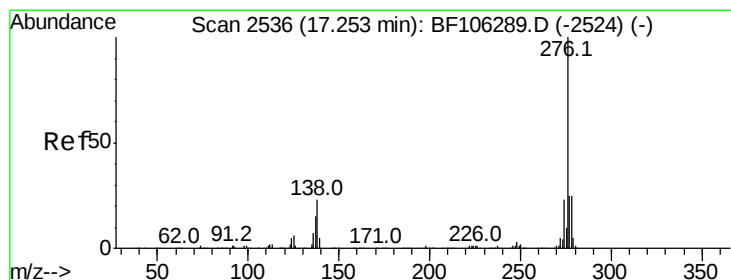
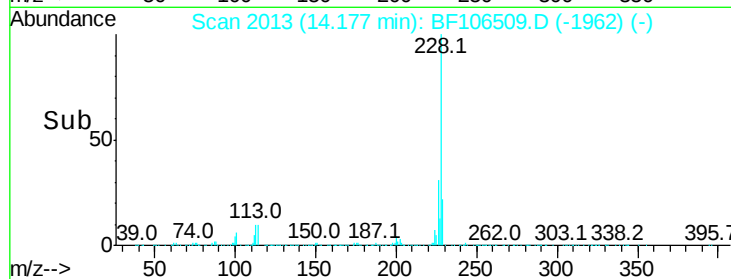
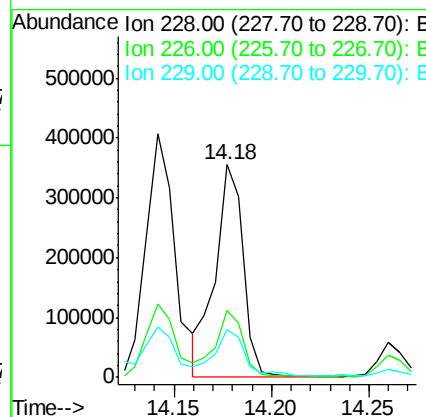
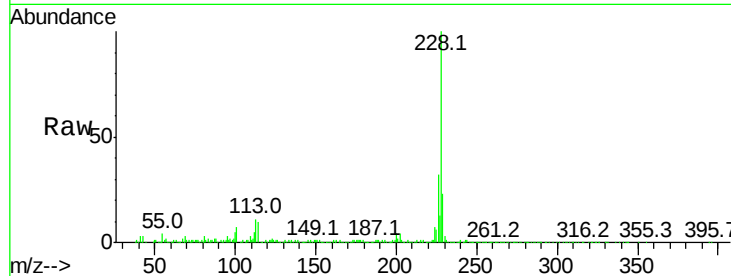
#82
Chrysene
Concen: 20.372 ng
RT: 14.18 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BF106509.D
Acq: 15 Jun 2018 22:58

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-8

Tot Ion:	228	Resp:	352649
Ion Ratio	Lower	Upper	
228	100		
226	31.6	25.0	37.6
229	22.6	16.2	24.4

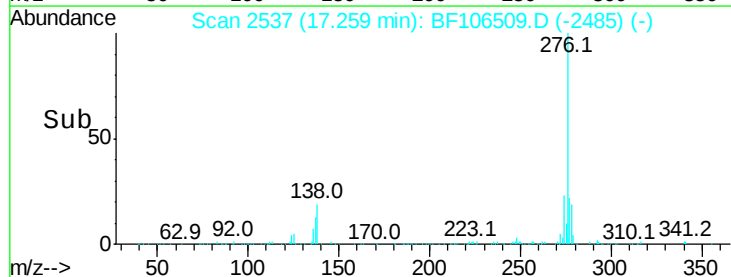
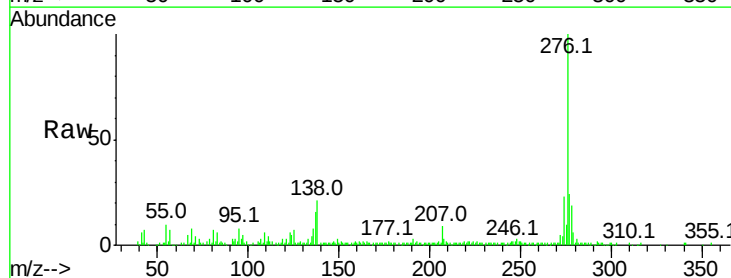
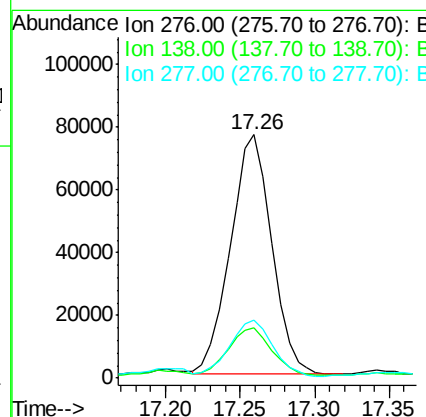
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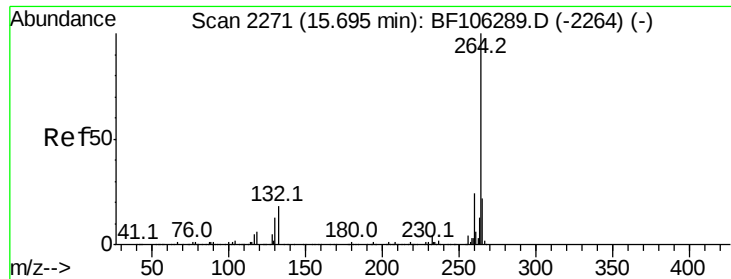
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#85
Indeno(1,2,3-cd)pyrene
Concen: 10.644 ng
RT: 17.26 min Scan# 2537
Delta R.T. 0.01 min
Lab File: BF106509.D
Acq: 15 Jun 2018 22:58

Tgt Ion:	276	Resp:	147041
Ion Ratio	Lower	Upper	
276	100		
138	20.7	25.0	37.6#
277	24.2	20.1	30.1





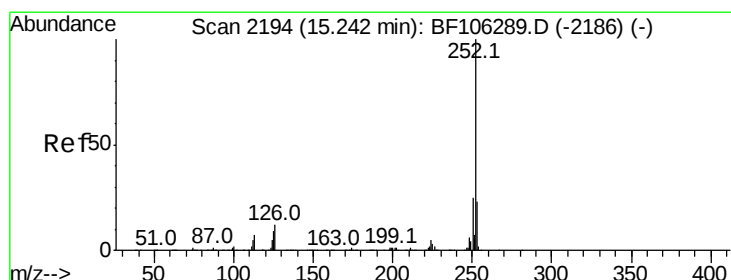
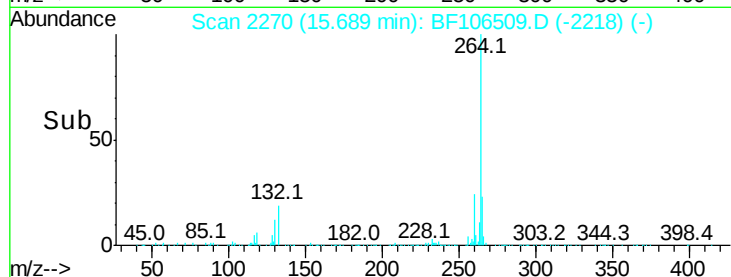
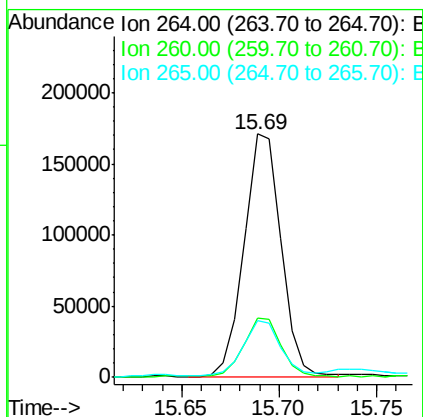
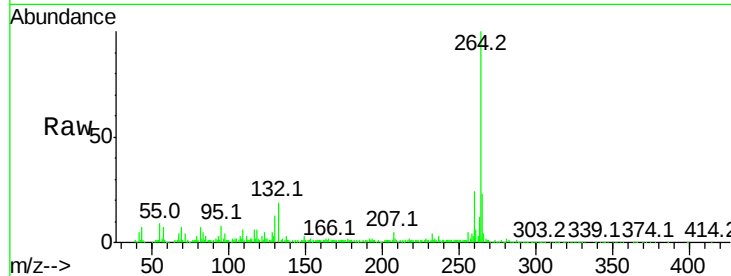
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF106509.D
Acq: 15 Jun 2018 22:58

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-8

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	23.1	17.5	26.3

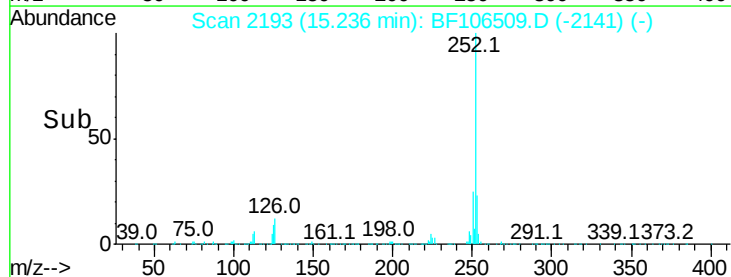
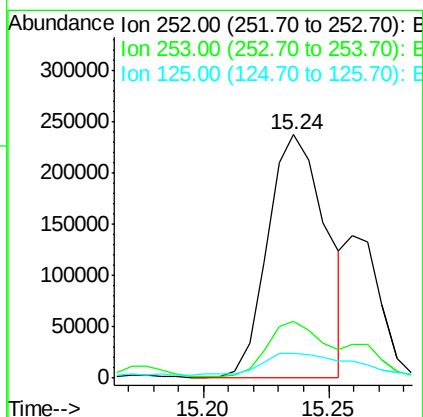
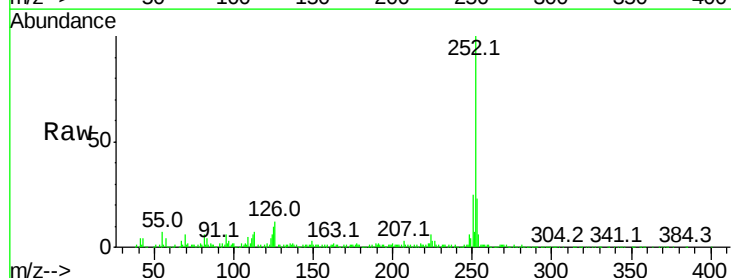
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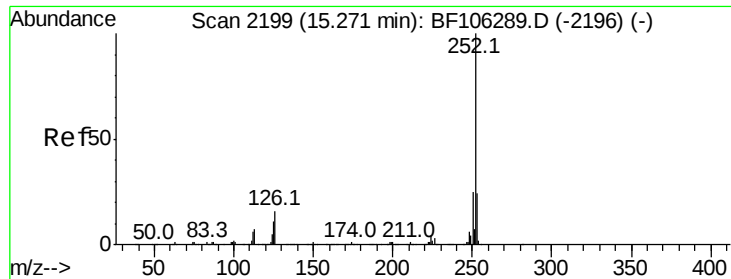
Sohil
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#87
Benzo(b)fluoranthene
Concen: 28.359 ng m
RT: 15.24 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF106509.D
Acq: 15 Jun 2018 22:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	10.2	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 9.757 ng m

RT: 15.26 min Scan# 2197

Delta R.T. 0.00 min

Lab File: BF106509.D

Acq: 15 Jun 2018 22:58

Instrument :

BNA_F

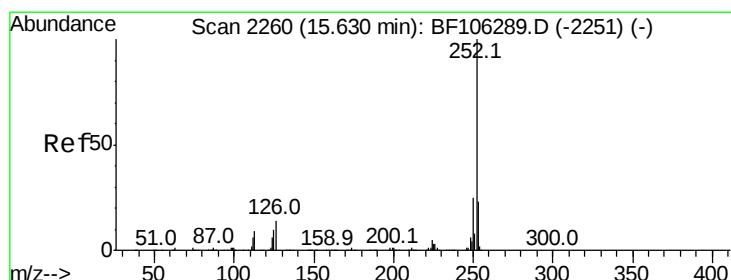
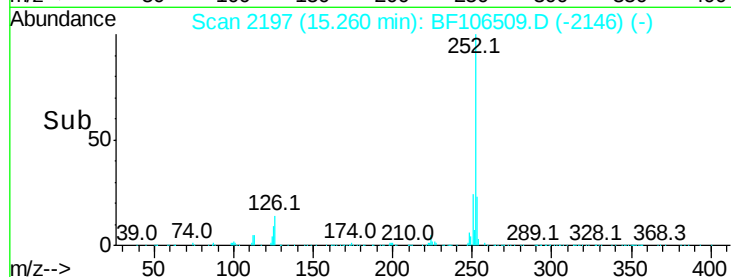
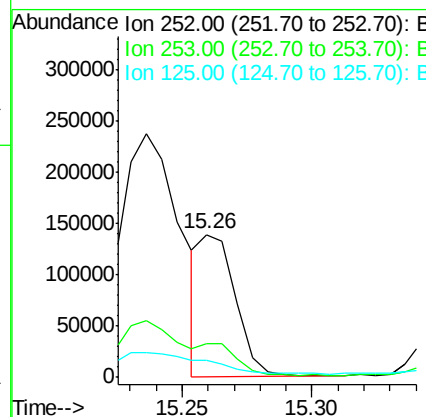
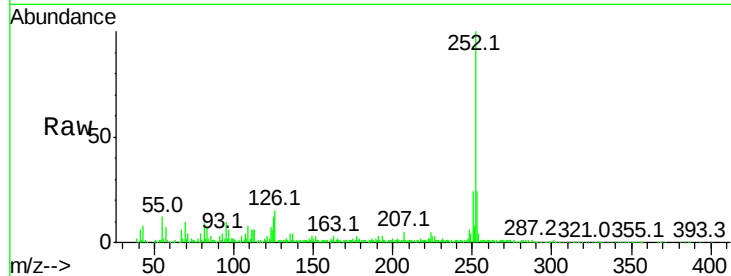
ClientSampleId :

DOCUMENTATION-8

Tot Ion:	252	Resp:	130361
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.9	26.9
125	11.6	10.2	15.2

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#89

Benzo(a)pyrene

Concen: 21.367 ng

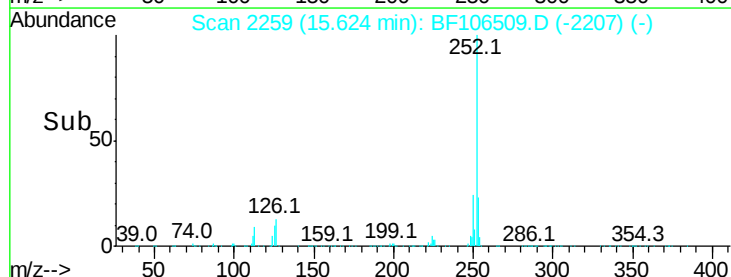
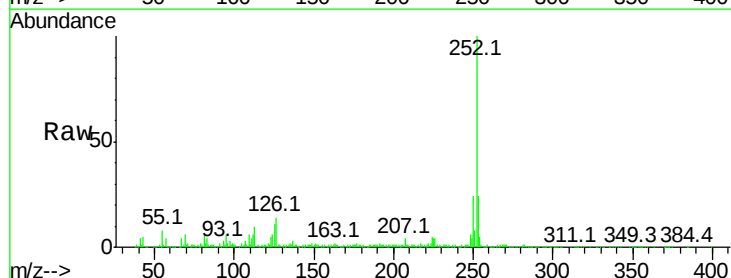
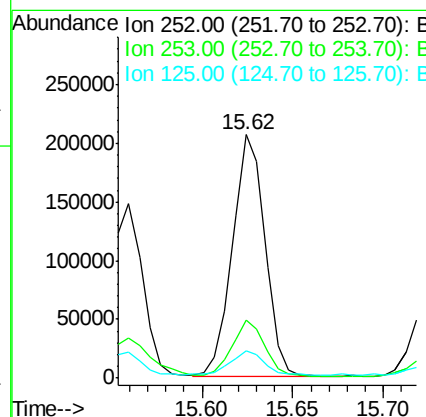
RT: 15.62 min Scan# 2259

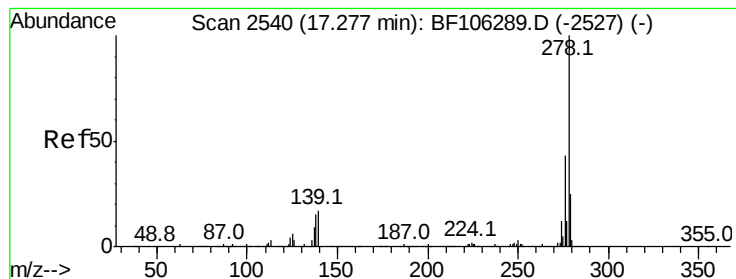
Delta R.T. 0.01 min

Lab File: BF106509.D

Acq: 15 Jun 2018 22:58

Tgt Ion:	252	Resp:	259272
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.1	25.7
125	11.4	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 3.596 ng

RT: 17.27 min Scan# 2539

Delta R.T. 0.01 min

Lab File: BF106509.D

Acq: 15 Jun 2018 22:58

Instrument :

BNA_F

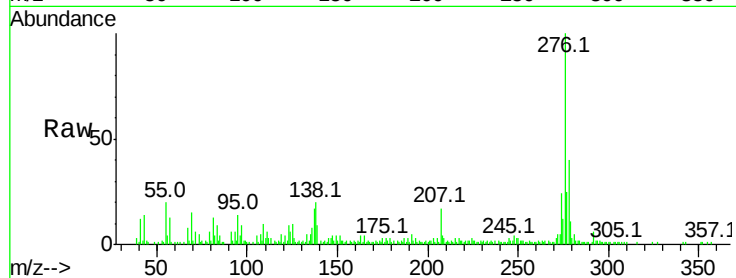
ClientSampleId :

DOCUMENTATION-8

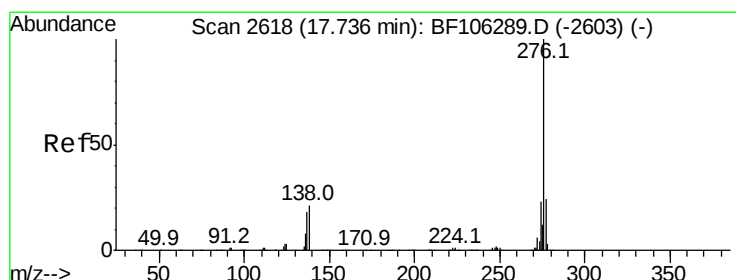
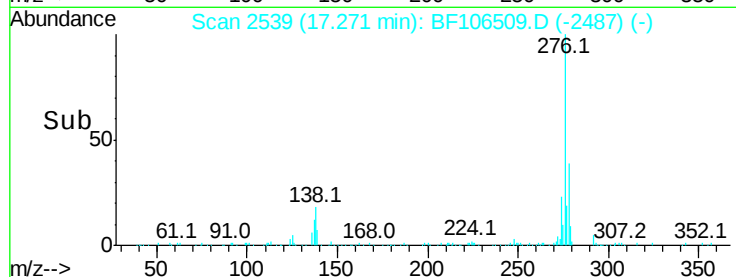
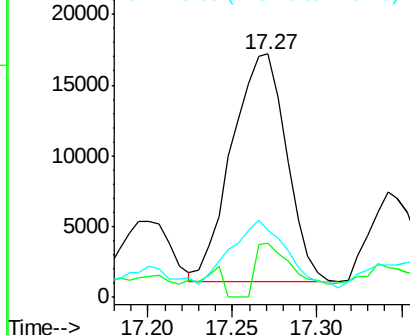
Tot Ion:	278	Resp:	36376
Ion	Ratio	Lower	Upper
278	100		
139	22.4	15.9	23.9
279	27.6	19.0	28.4

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 15.502 ng

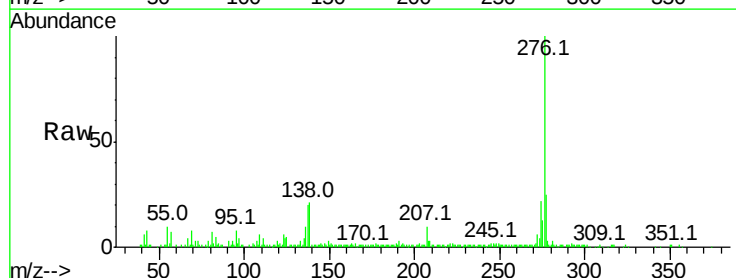
RT: 17.74 min Scan# 2618

Delta R.T. 0.01 min

Lab File: BF106509.D

Acq: 15 Jun 2018 22:58

Tgt Ion:	276	Resp:	152402
Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.9	26.9
138	20.7	21.8	32.8#



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

