

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
 Data File : BF106689.D
 Acq On : 22 Jun 2018 4:01
 Operator : JU/SJ
 Sample : J3603-03
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26KV-TP-2

Manual Integrations
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Quant Time: Jun 22 04:47:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 19 14:32:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	58382	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	205458	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	93071	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	179691	20.00	ng	0.00
75) Chrysene-d12	14.15	240	142711	20.00	ng	0.00
86) Perylene-d12	15.68	264	107731	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	332099	96.32	ng	0.00
7) Phenol-d6	6.61	99	406223	94.35	ng	0.00
23) Nitrobenzene-d5	7.52	82	242165	65.50	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	96945	89.87	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	335032	55.88	ng	0.00
78) Terphenyl-d14	13.08	244	359346	60.99	ng	0.00
Target Compounds						
31) Naphthalene	8.27	128	32395	3.372	ng	98
49) Dimethylphthalate	9.71	163	45268	6.485	ng	98
51) Acenaphthene	10.04	154	26332	4.536	ng	99
54) Dibenzofuran	10.21	168	18011	2.266	ng	98
57) Fluorene	10.55	166	30231	4.793	ng	97
70) Phenanthrene	11.52	178	397152	45.824	ng	99
71) Anthracene	11.57	178	93377	10.555	ng	99
72) Carbazole	11.72	167	37042	4.472	ng	97
74) Fluoranthene	12.72	202	599613	62.769	ng	97
77) Pyrene	12.95	202	634737	67.448	ng	99
80) Benzo(a)anthracene	14.14	228	297981	34.259	ng	96
82) Chrysene	14.17	228	270225	33.770	ng	98
85) Indeno(1,2,3-cd)pyrene	17.25	276	88472	13.028	ng	# 88
87) Benzo(b)fluoranthene	15.22	252	257347m	38.455	ng	
88) Benzo(k)fluoranthene	15.25	252	59327m	9.309	ng	
89) Benzo(a)pyrene	15.62	252	176966m	29.746	ng	
90) Dibenzo(a,h)anthracene	17.25	278	25168m	4.992	ng	
91) Benzo(g,h,i)perylene	17.72	276	86275	17.507	ng	# 90

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

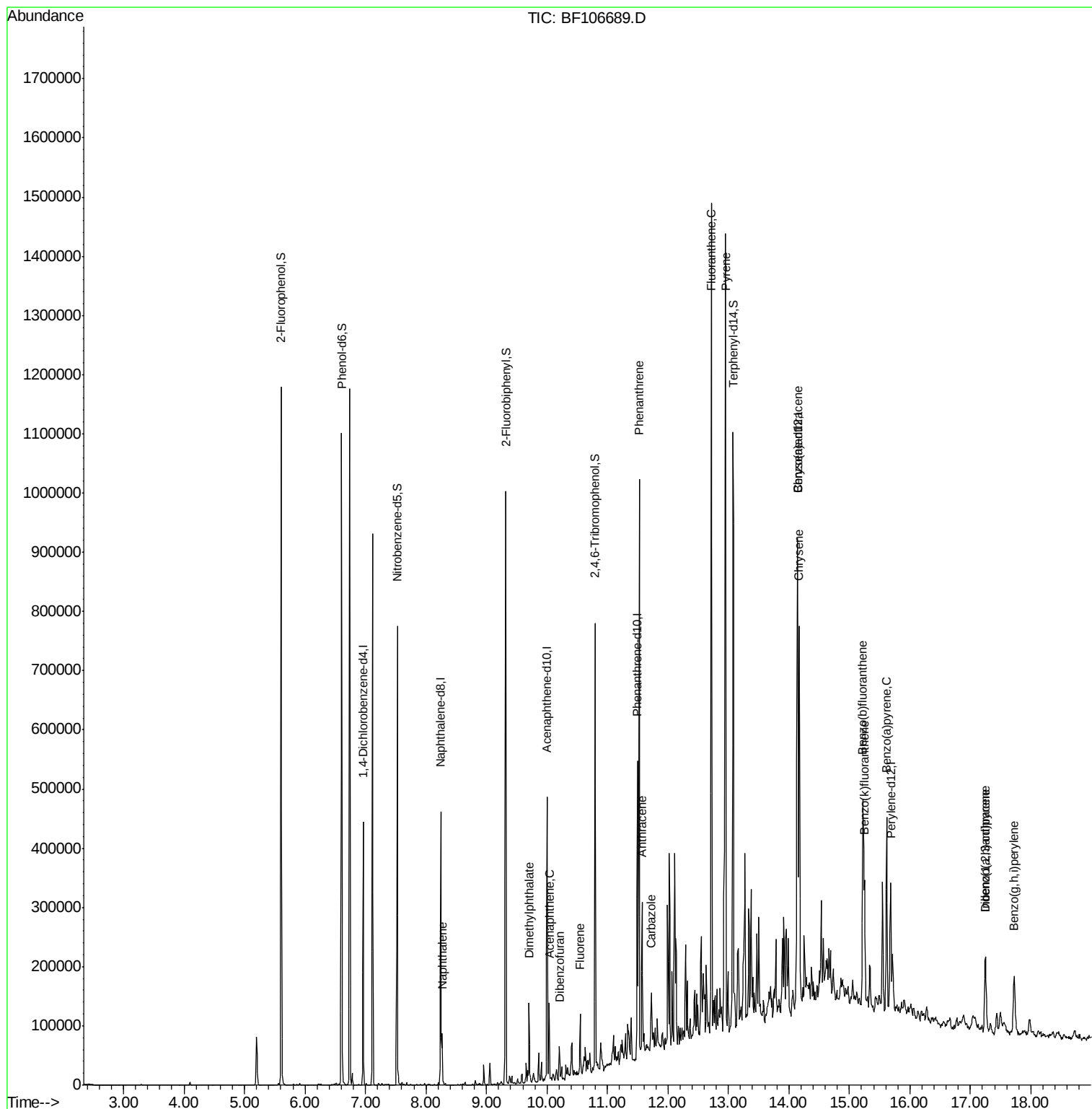
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\
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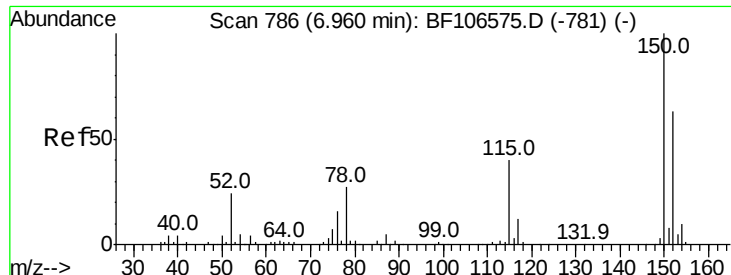
Instrument :
BNA_F
ClientSampled :
26KV-TP-2

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#1

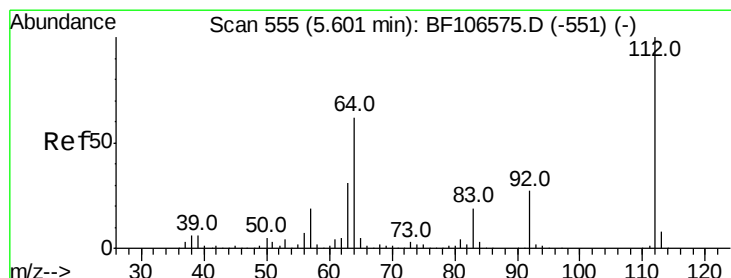
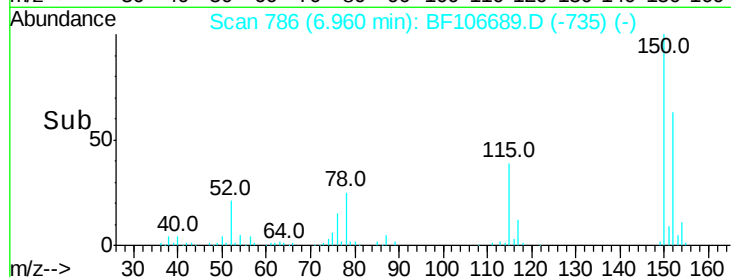
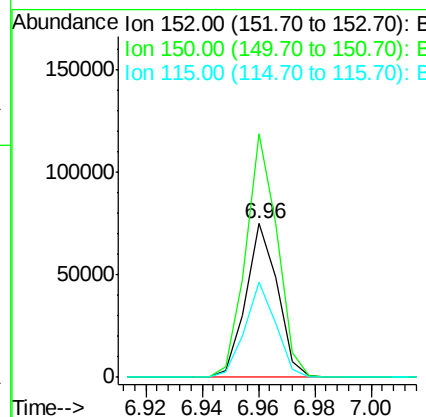
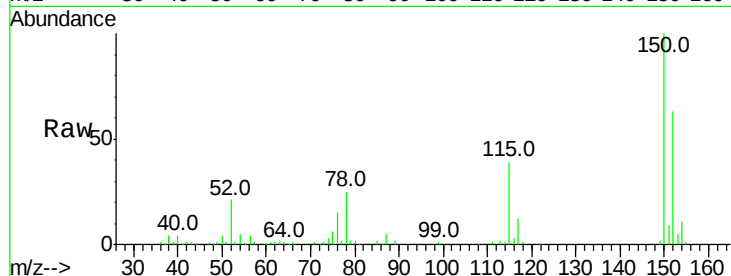
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106689.D
Acq: 22 Jun 2018 4:01

Instrument :
BNA_F
ClientSampleId :
26KV-TP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	124.6	186.8
115	61.8	50.1	75.1

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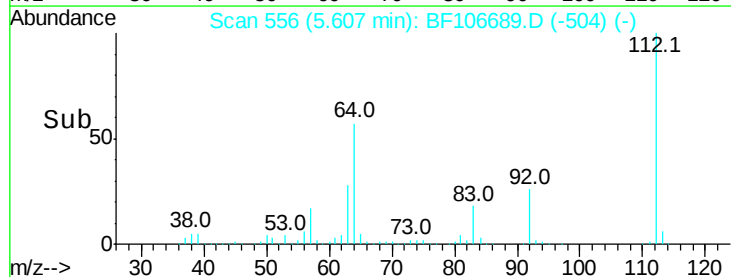
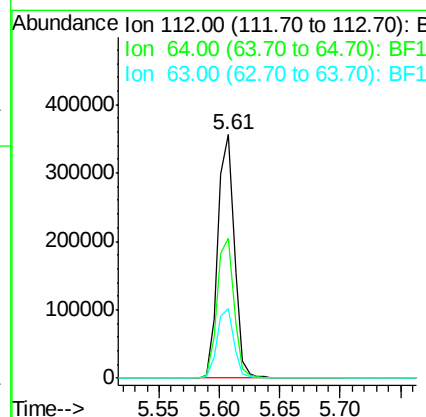
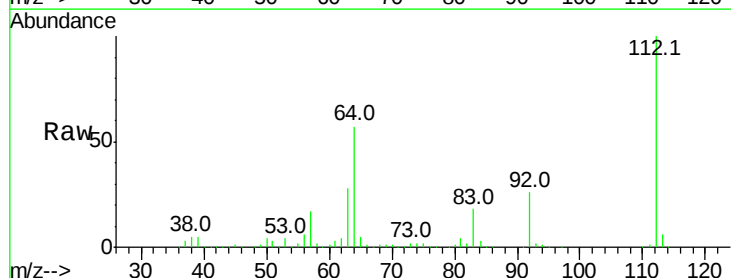
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#5

2-Fluorophenol
Concen: 96.322 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF106689.D
Acq: 22 Jun 2018 4:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	47.9	71.9
63	28.3	23.7	35.5





#7

Phenol-d6

Concen: 94.347 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF106689.D

Acq: 22 Jun 2018 4:01

Instrument :

BNA_F

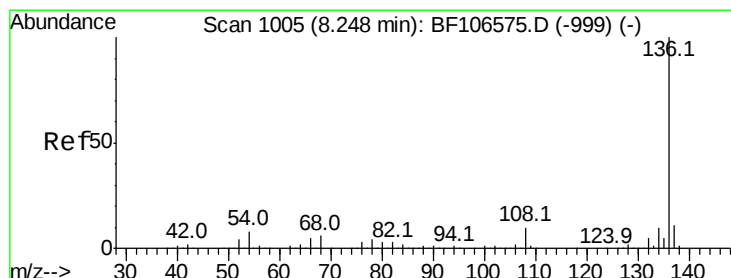
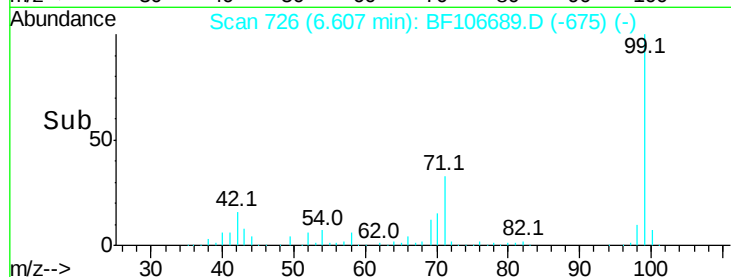
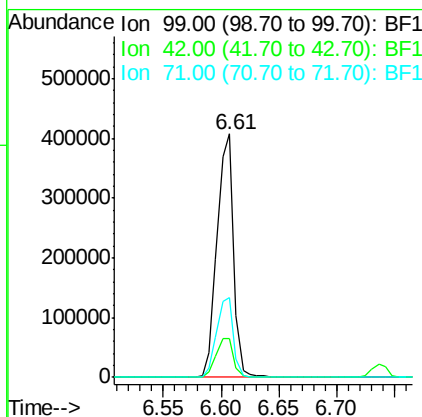
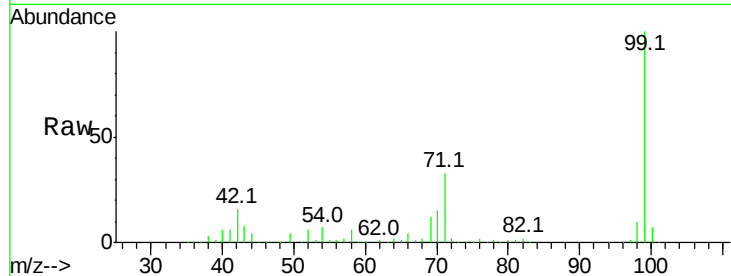
ClientSampled :

26KV-TP-2

Tot Ion:	99	Resp:	406223
Ion Ratio	Lower	Upper	
99	100		
42	15.7	14.5	21.7
71	32.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

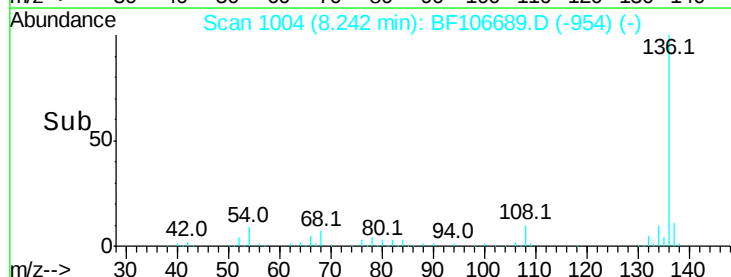
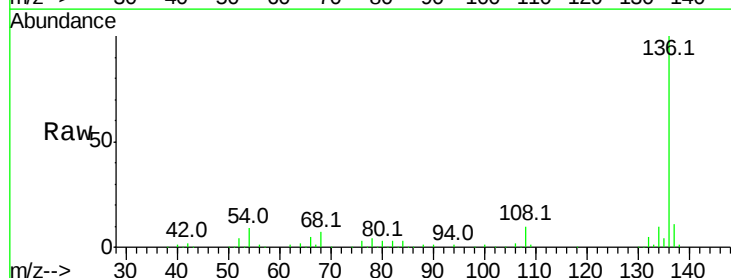
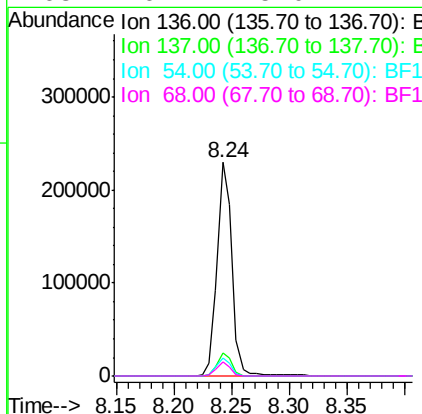
RT: 8.24 min Scan# 1004

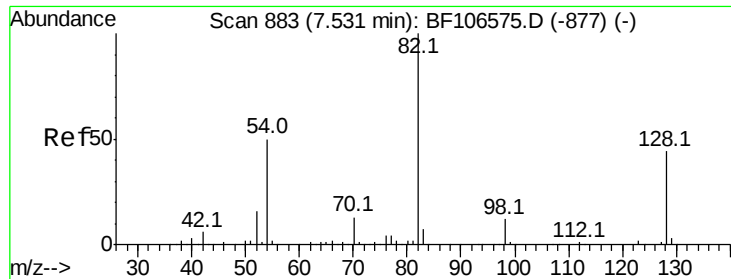
Delta R.T. -0.01 min

Lab File: BF106689.D

Acq: 22 Jun 2018 4:01

Tgt Ion:	136	Resp:	205458
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	8.5	6.6	9.8
68	6.7	5.0	7.4





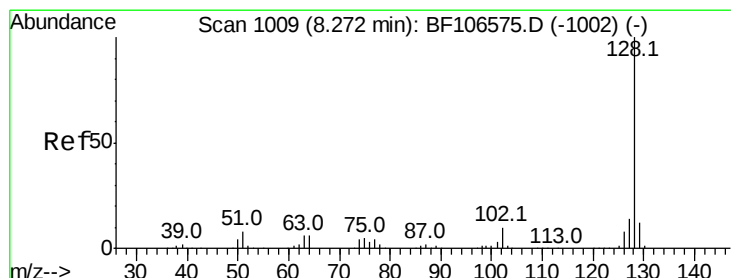
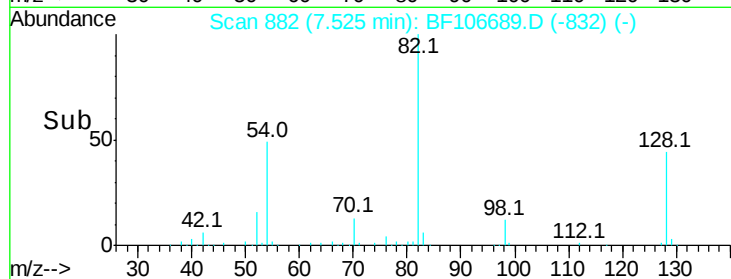
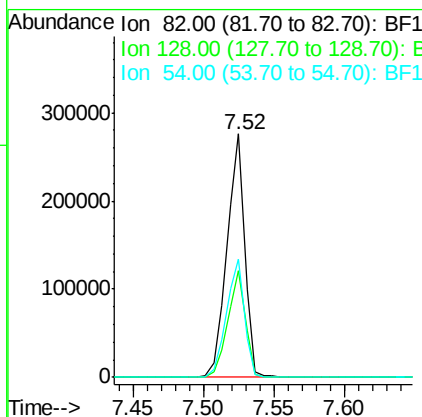
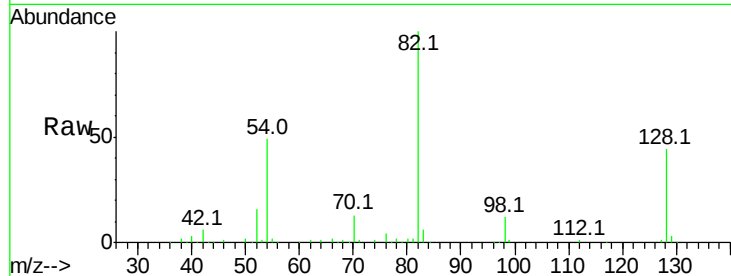
#23
 Nitrobenzene-d5
 Concen: 65.502 ng
 RT: 7.52 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF106689.D
 Acq: 22 Jun 2018 4:01

Instrument :
 BNA_F
 ClientSampleId :
 26KV-TP-2

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	43.7	36.1	54.1
54	48.6	41.4	62.2

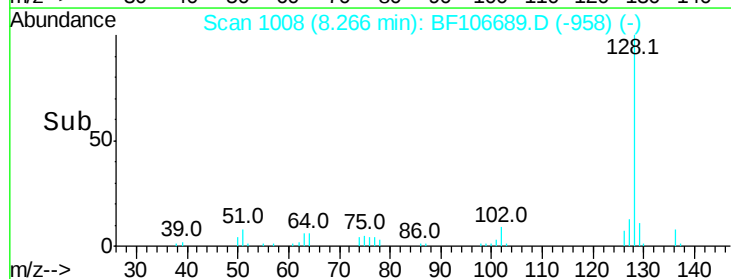
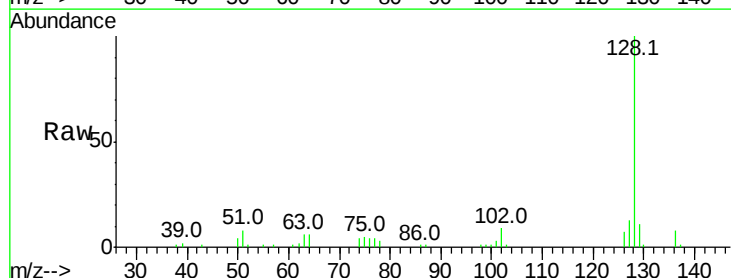
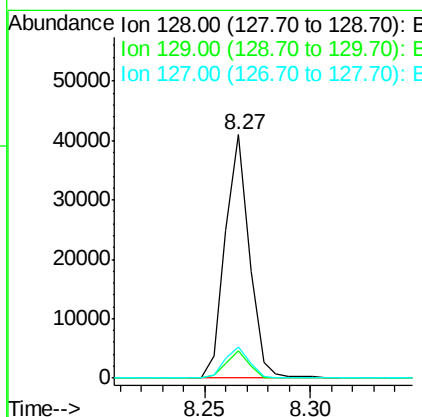
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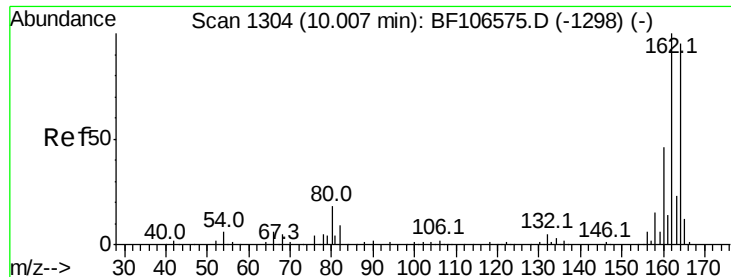
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#31
 Naphthalene
 Concen: 3.372 ng
 RT: 8.27 min Scan# 1008
 Delta R.T. -0.01 min
 Lab File: BF106689.D
 Acq: 22 Jun 2018 4:01

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	11.2	8.8	13.2
127	12.7	10.9	16.3





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF106689.D

Acq: 22 Jun 2018 4:01

Instrument :

BNA_F

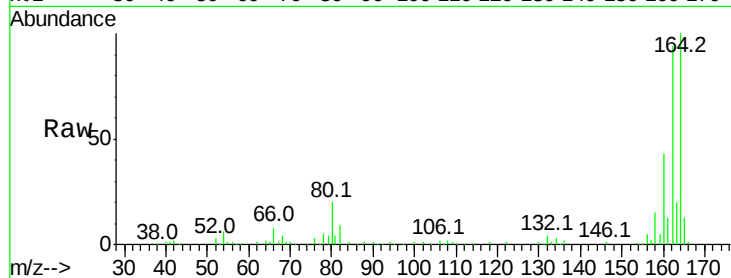
ClientSampleId :

26KV-TP-2

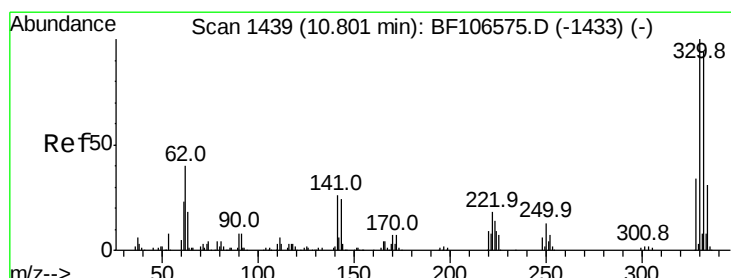
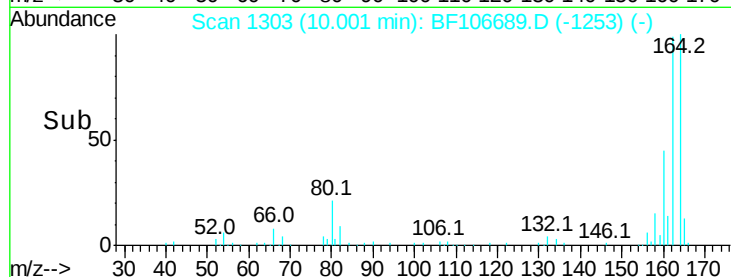
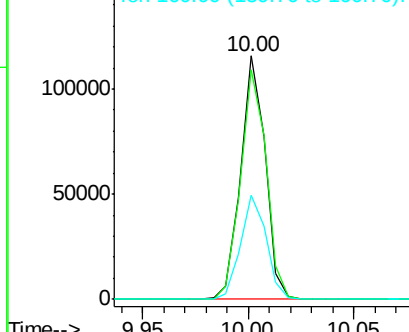
Tot Ion:	164	Resp:	93071
Ion Ratio	Lower	Upper	
164	100		
162	94.2	86.1	129.1
160	42.9	38.3	57.5

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



#41

2,4,6-Tribromophenol

Concen: 89.871 ng

RT: 10.80 min Scan# 1438

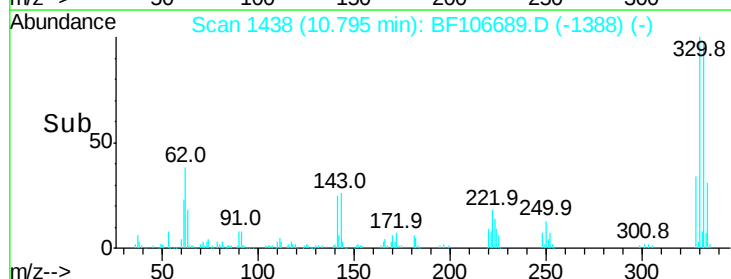
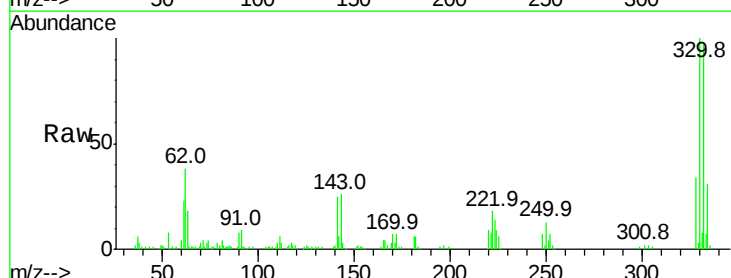
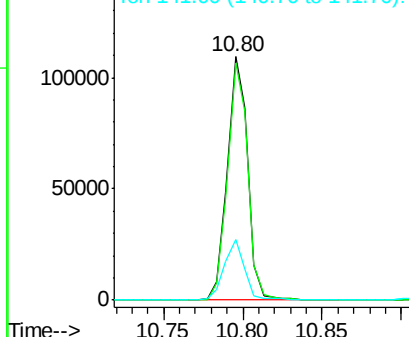
Delta R.T. -0.01 min

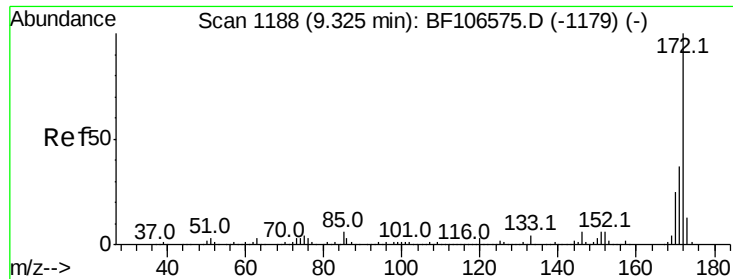
Lab File: BF106689.D

Acq: 22 Jun 2018 4:01

Tgt Ion:	330	Resp:	96945
Ion Ratio	Lower	Upper	
330	100		
332	96.8	77.0	115.6
141	26.1	29.9	44.9#

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





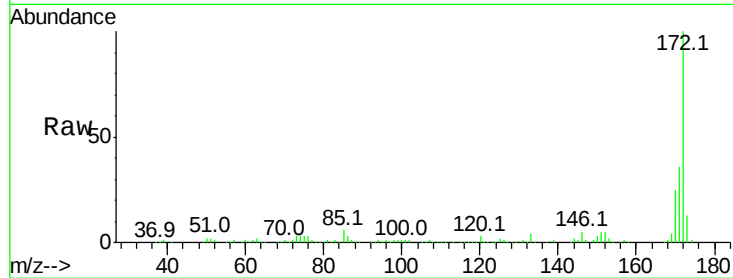
#44
2-Fluorobiphenyl
Concen: 55.876 ng
RT: 9.32 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF106689.D
Acq: 22 Jun 2018 4:01

Instrument :
BNA_F
ClientSampleId :
26KV-TP-2

Tot Ion	Ratio	Resp Lower	Upper
172	100		
171	35.6	29.7	44.5
170	24.6	19.6	29.4

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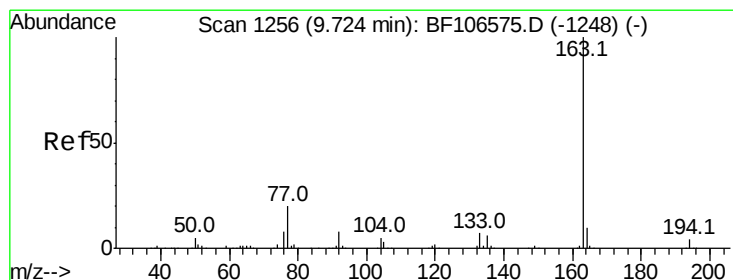
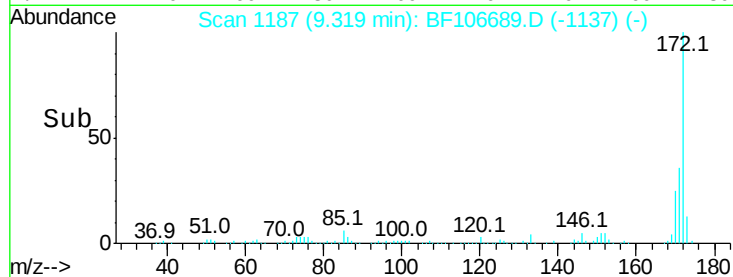
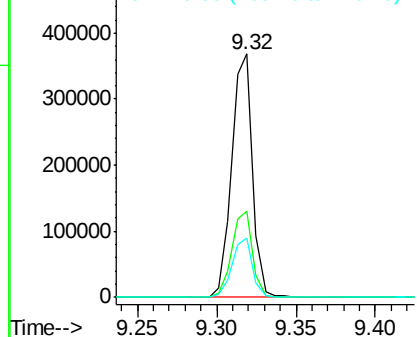


Abundance

Ion 172.00 (171.70 to 172.70): E

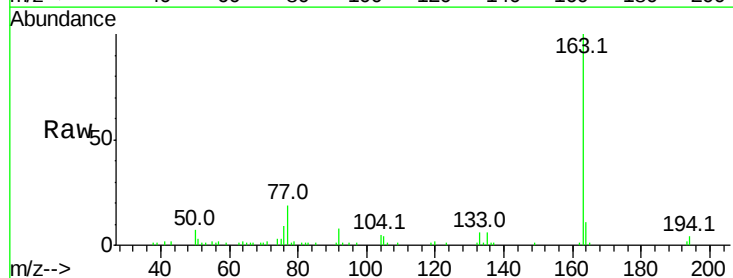
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Dimethylphthalate
Concen: 6.485 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF106689.D
Acq: 22 Jun 2018 4:01

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	4.0	2.7	4.1
164	10.8	8.2	12.2

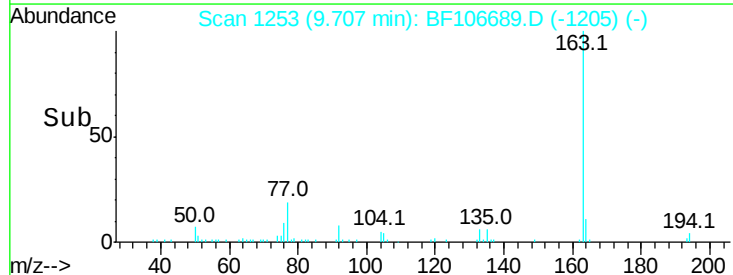
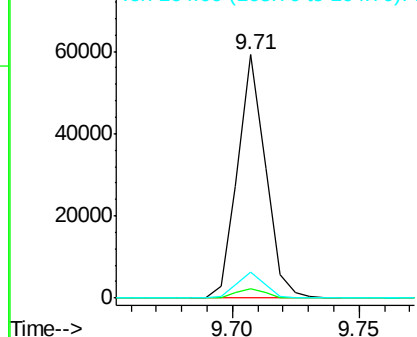


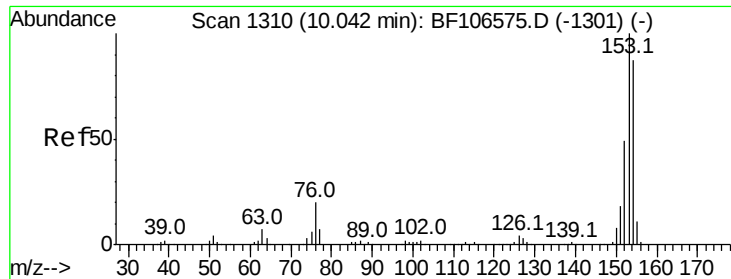
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





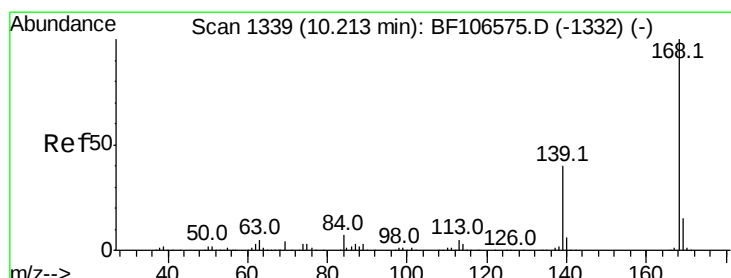
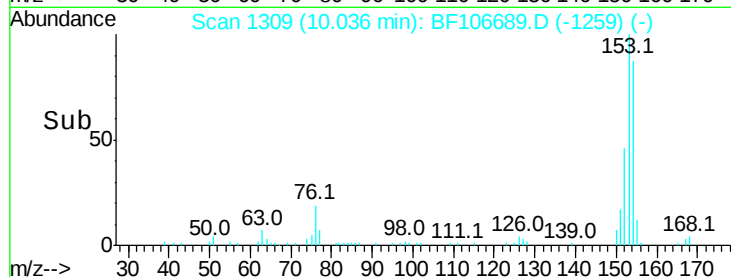
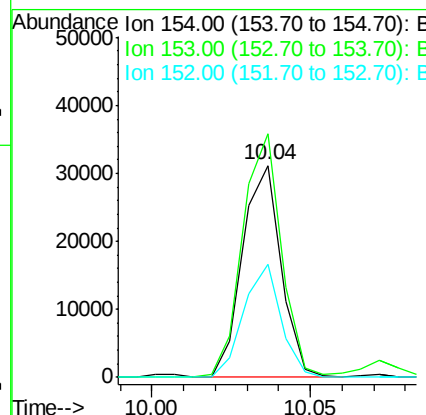
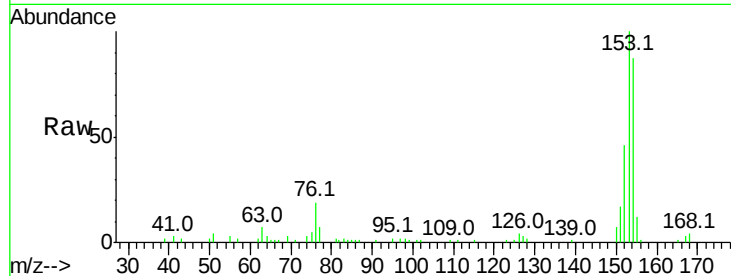
#51
Acenaphthene
Concen: 4.536 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF106689.D
Acq: 22 Jun 2018 4:01

Instrument :
BNA_F
ClientSampleId :
26KV-TP-2

Tot Ion	Ratio	Lower	Upper
154	100		
153	115.0	91.2	136.8
152	53.4	43.8	65.8

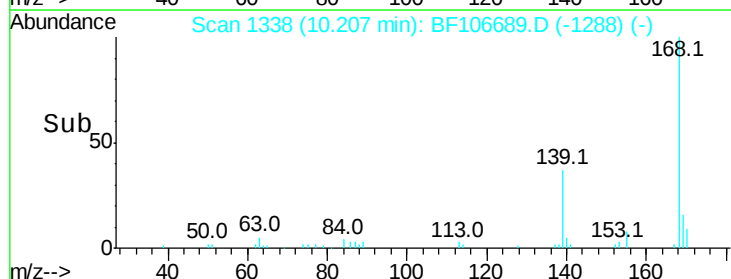
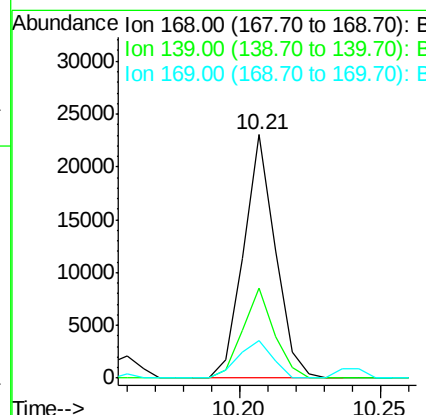
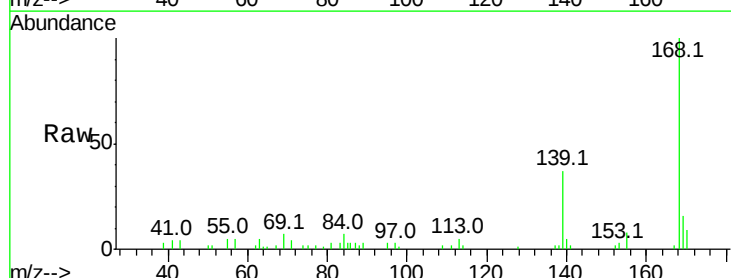
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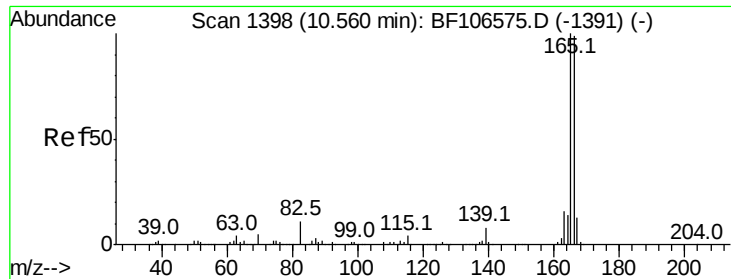
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#54
Dibenzofuran
Concen: 2.266 ng
RT: 10.21 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF106689.D
Acq: 22 Jun 2018 4:01

Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.8	30.1	45.1
169	15.6	10.9	16.3





#57

Fluorene

Concen: 4.793 ng

RT: 10.55 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF106689.D

Acq: 22 Jun 2018 4:01

Instrument :

BNA_F

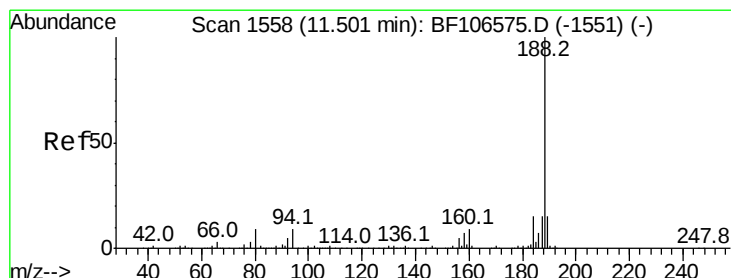
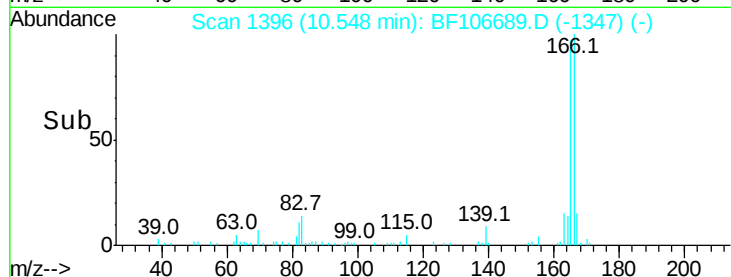
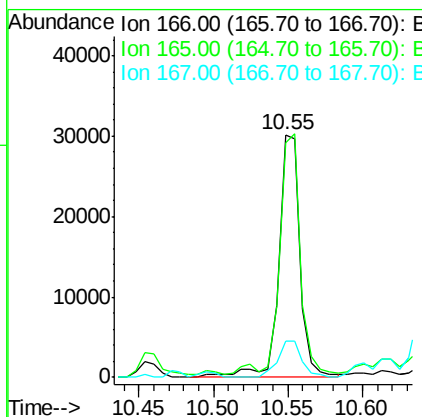
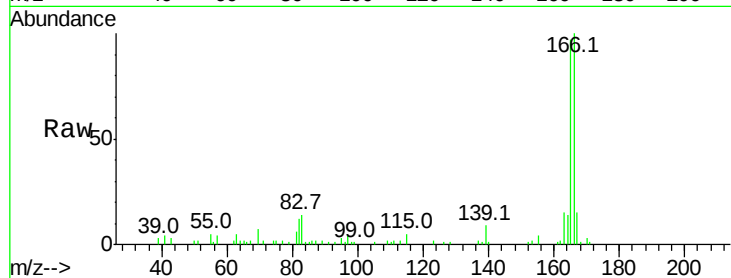
ClientSampleId :

26KV-TP-2

Tot Ion:	166	Resp:	30231
Ion Ratio	Lower	Upper	
166	100		
165	96.6	79.8	119.8
167	14.9	10.6	16.0

Manual Integrations
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Sohil
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#63

Phenanthrene-d10

Concen: 20.000 ng

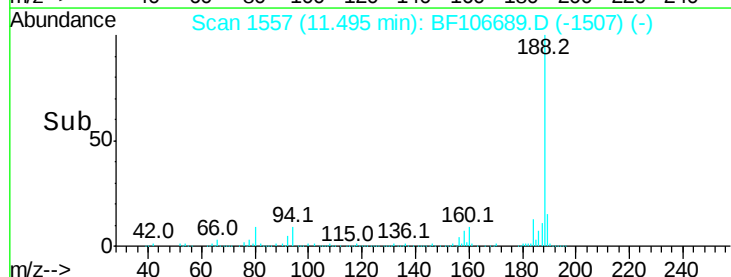
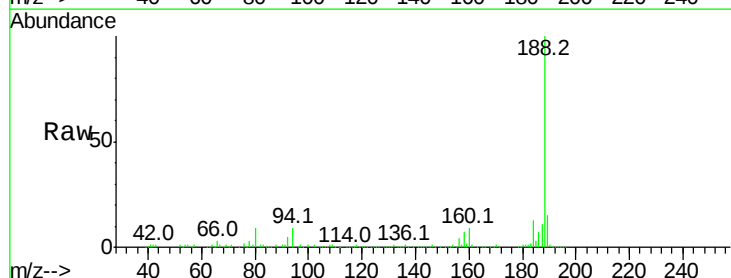
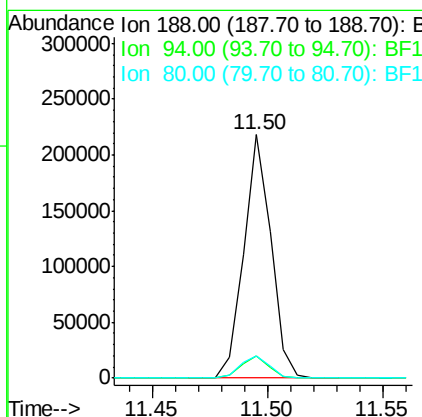
RT: 11.50 min Scan# 1557

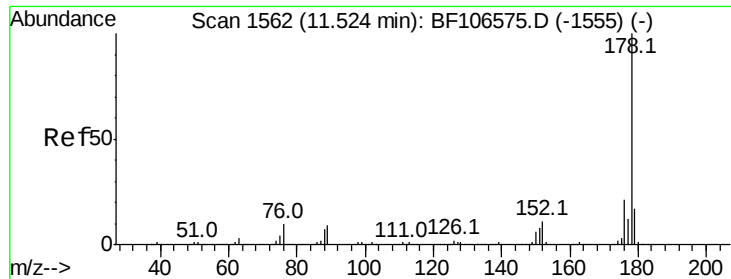
Delta R.T. -0.01 min

Lab File: BF106689.D

Acq: 22 Jun 2018 4:01

Tgt Ion:	188	Resp:	179691
Ion Ratio	Lower	Upper	
188	100		
94	9.0	8.5	12.7
80	9.2	9.2	13.8





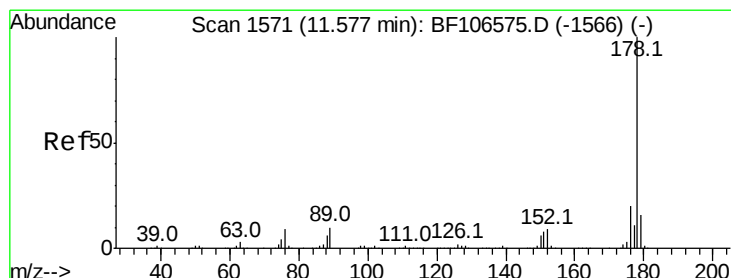
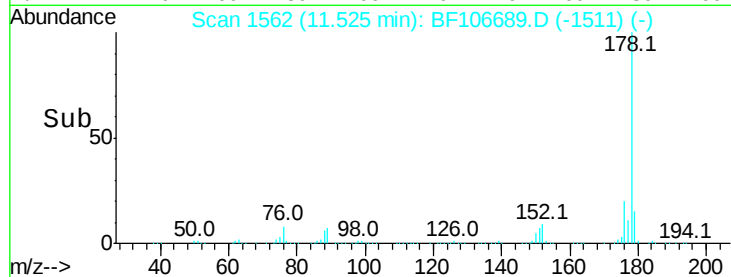
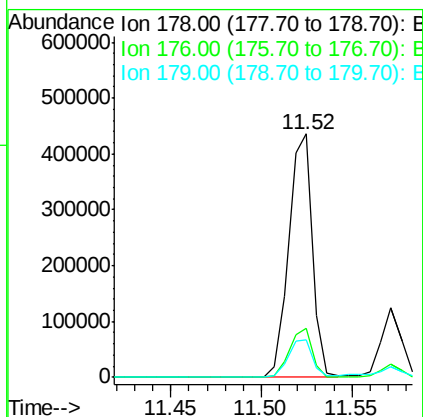
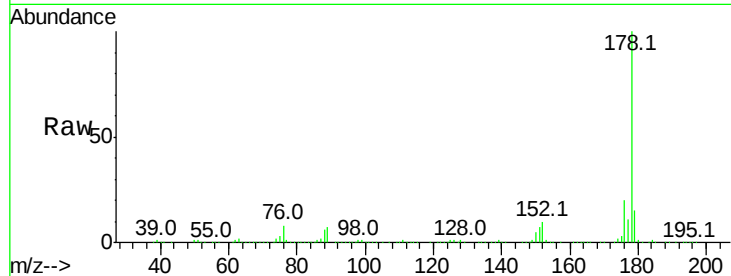
#70
Phenanthrene
Concen: 45.824 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF106689.D
Acq: 22 Jun 2018 4:01

Instrument :
BNA_F
ClientSampleId :
26KV-TP-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.4	13.0	19.6

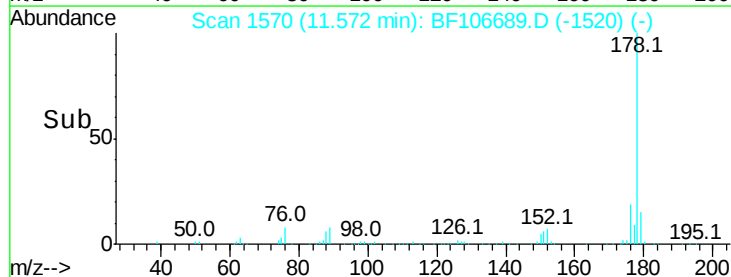
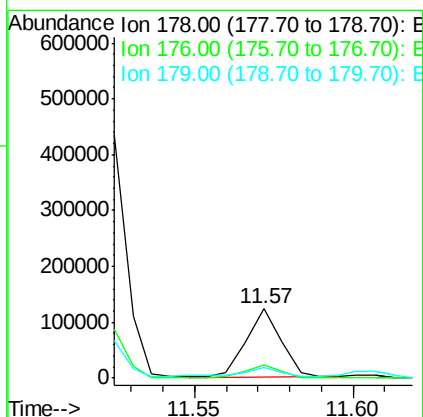
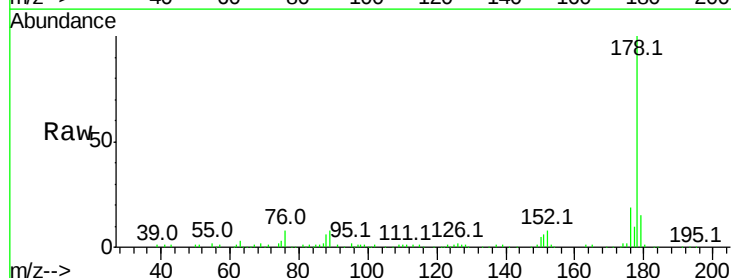
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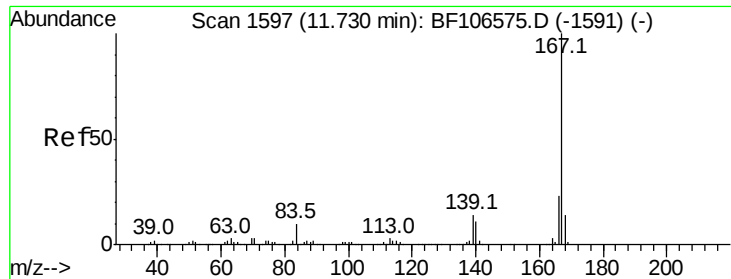
Sohil
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#71
Anthracene
Concen: 10.555 ng
RT: 11.57 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF106689.D
Acq: 22 Jun 2018 4:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.2	12.6	19.0





#72

Carbazole

Concen: 4.472 ng

RT: 11.72 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BF106689.D

Acq: 22 Jun 2018 4:01

Instrument :

BNA_F

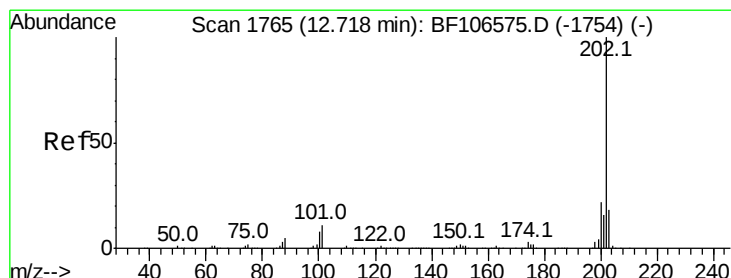
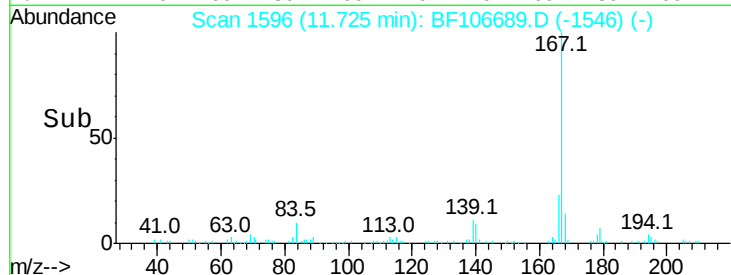
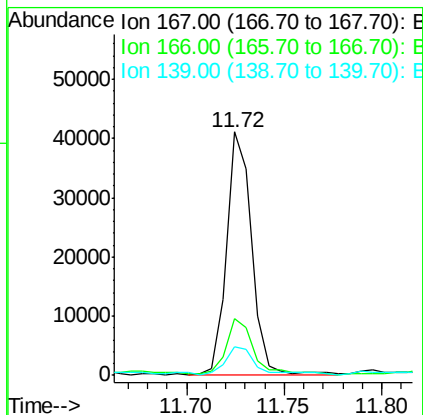
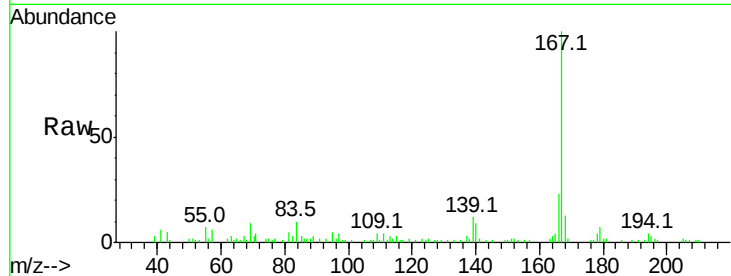
ClientSampleId :

26KV-TP-2

Tot Ion:	167	Resp:	37042
Ion Ratio	Lower	Upper	
167	100		
166	23.2	17.6	26.4
139	11.9	10.9	16.3

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#74

Fluoranthene

Concen: 62.769 ng

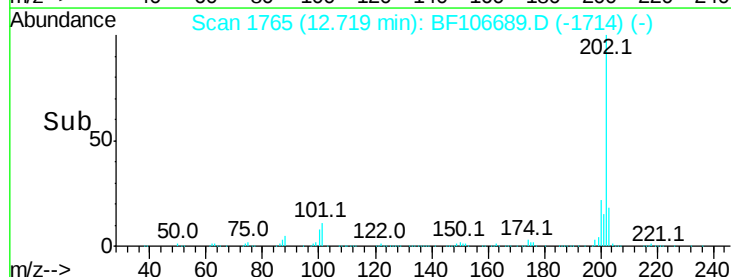
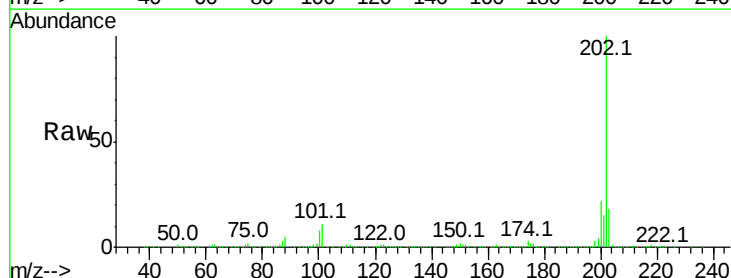
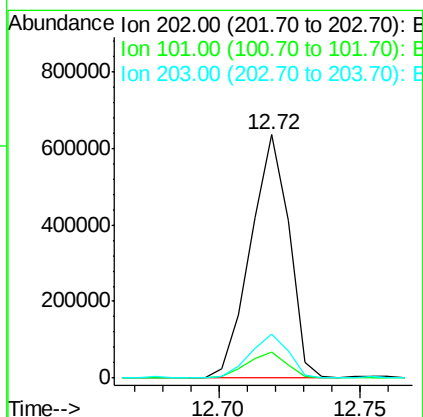
RT: 12.72 min Scan# 1765

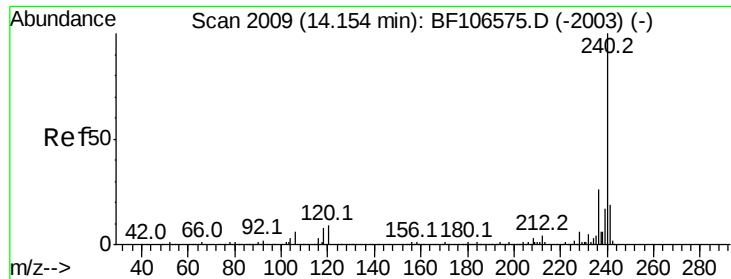
Delta R.T. 0.00 min

Lab File: BF106689.D

Acq: 22 Jun 2018 4:01

Tgt Ion:	202	Resp:	599613
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	34.1
203	18.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF106689.D

Acq: 22 Jun 2018 4:01

Instrument :

BNA_F

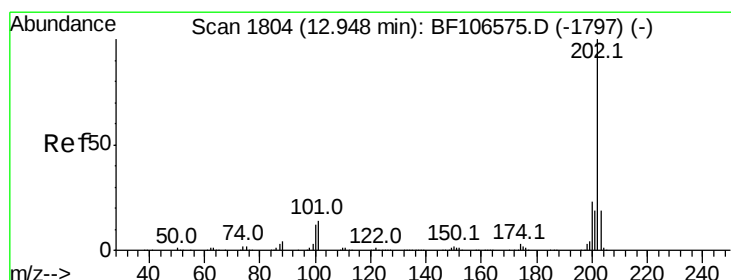
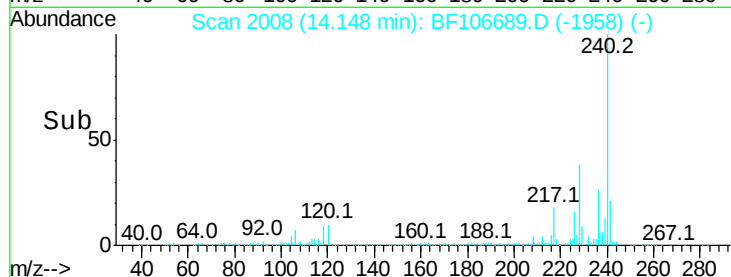
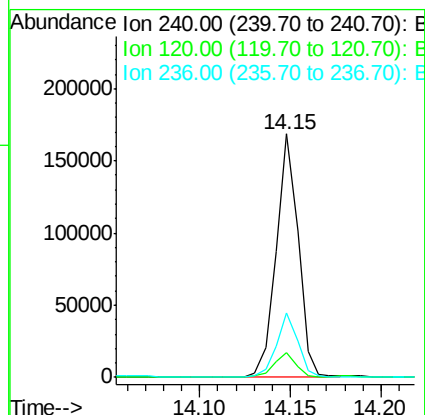
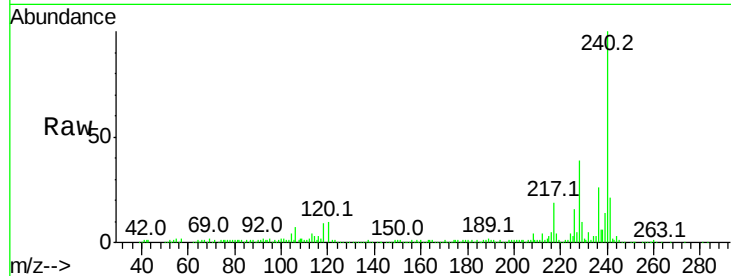
ClientSampled :

26KV-TP-2

Tot Ion:	240	Resp:	142711
Ion Ratio	Lower	Upper	
240	100		
120	10.0	9.5	14.3
236	26.4	20.7	31.1

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#77

Pyrene

Concen: 67.448 ng

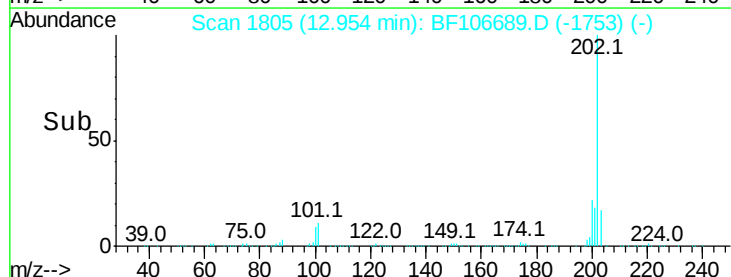
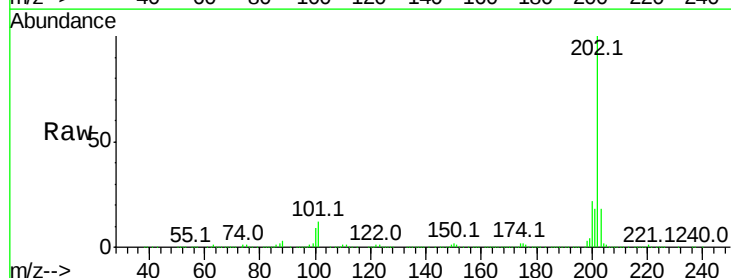
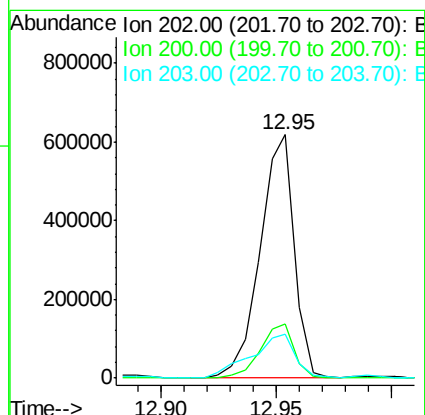
RT: 12.95 min Scan# 1805

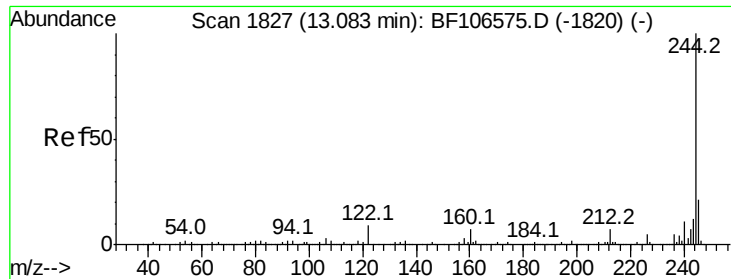
Delta R.T. 0.01 min

Lab File: BF106689.D

Acq: 22 Jun 2018 4:01

Tgt Ion:	202	Resp:	634737
Ion Ratio	Lower	Upper	
202	100		
200	22.0	17.4	26.2
203	18.2	14.3	21.5





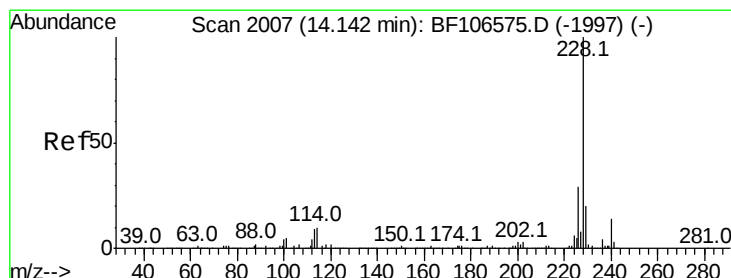
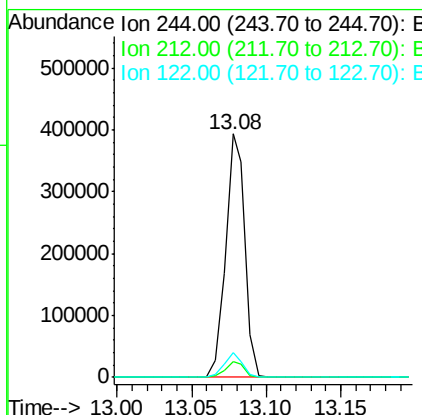
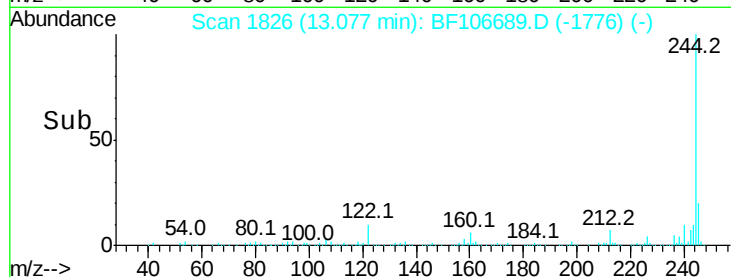
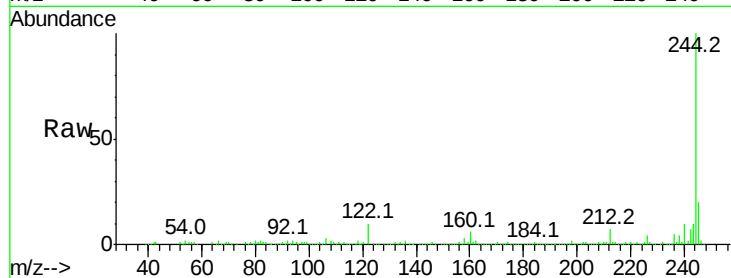
#78
 Terphenyl-d14
 Concen: 60.993 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF106689.D
 Acq: 22 Jun 2018 4:01

Instrument :
 BNA_F
 ClientSampleId :
 26KV-TP-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.1	11.0	16.4

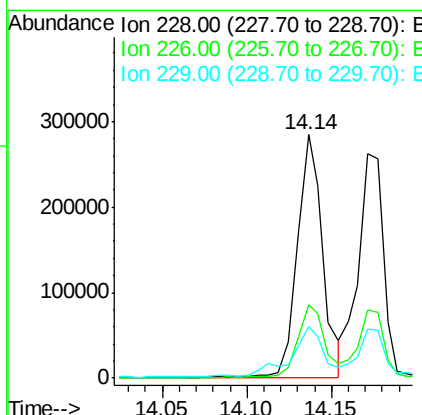
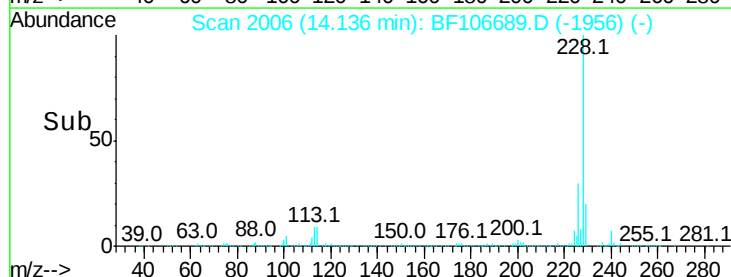
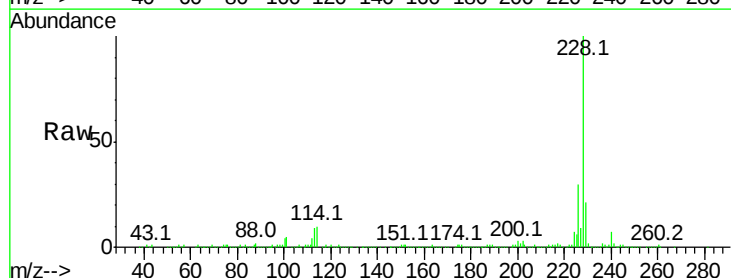
Manual Integrations
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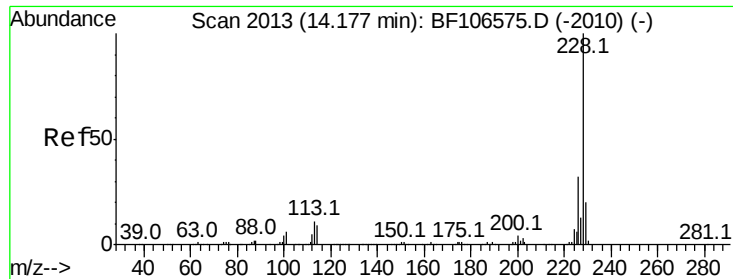
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#80
 Benzo(a)anthracene
 Concen: 34.259 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.01 min
 Lab File: BF106689.D
 Acq: 22 Jun 2018 4:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.6	33.8
229	21.2	15.8	23.6





#82

Chrysene

Concen: 33.770 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF106689.D

Acq: 22 Jun 2018 4:01

Instrument :

BNA_F

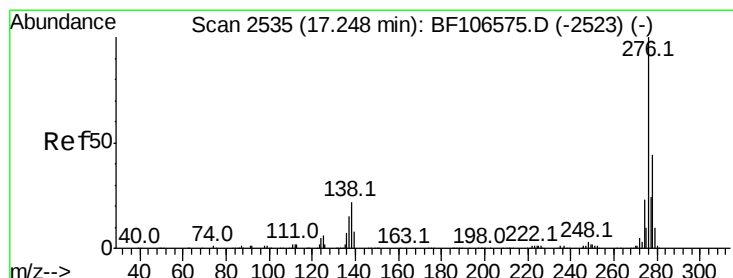
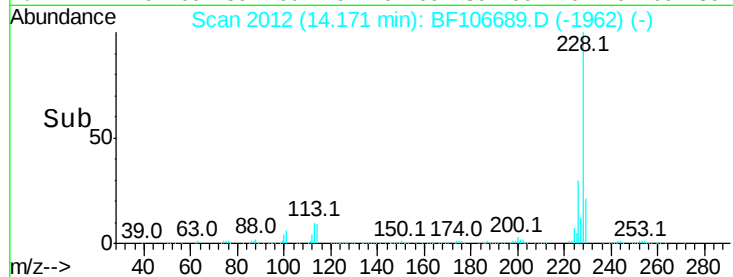
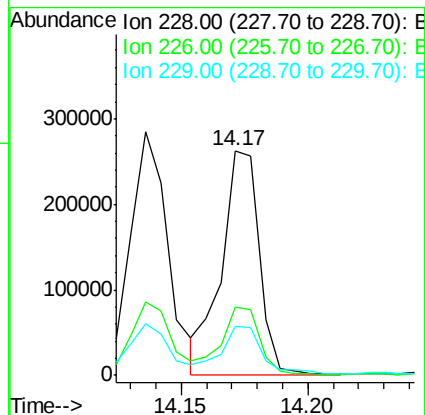
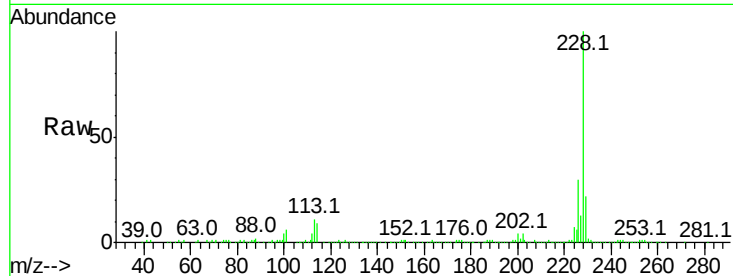
ClientSampleId :

26KV-TP-2

Tot Ion:	228	Resp:	270225
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.0	37.6
229	21.8	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 13.028 ng

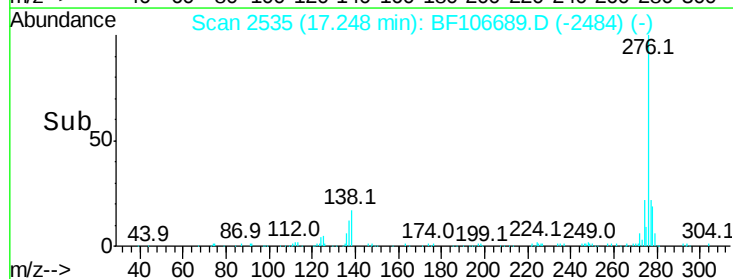
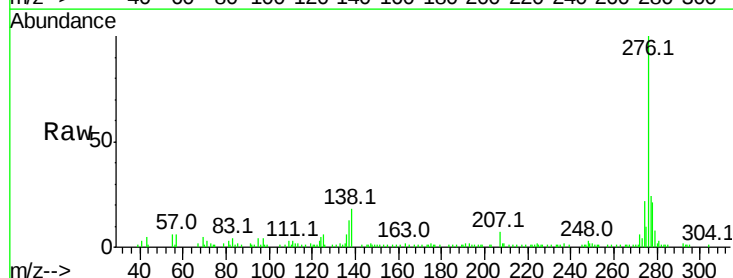
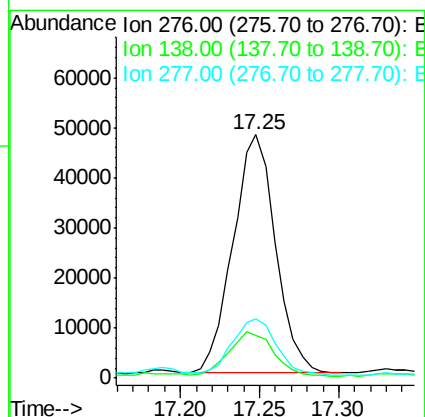
RT: 17.25 min Scan# 2535

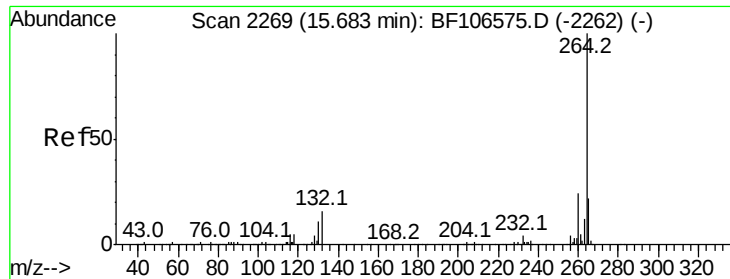
Delta R.T. 0.00 min

Lab File: BF106689.D

Acq: 22 Jun 2018 4:01

Tgt Ion:	276	Resp:	88472
Ion Ratio	Lower	Upper	
276	100		
138	19.6	25.0	37.6#
277	25.0	20.1	30.1





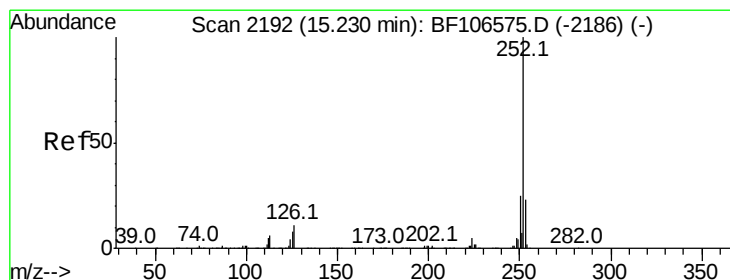
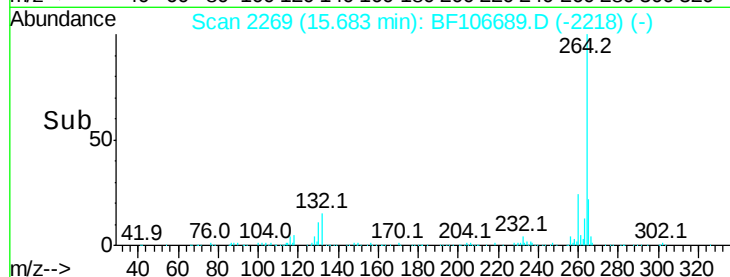
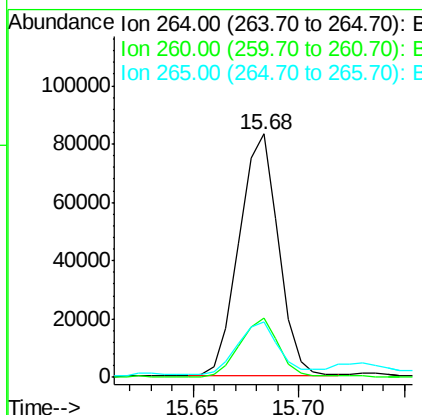
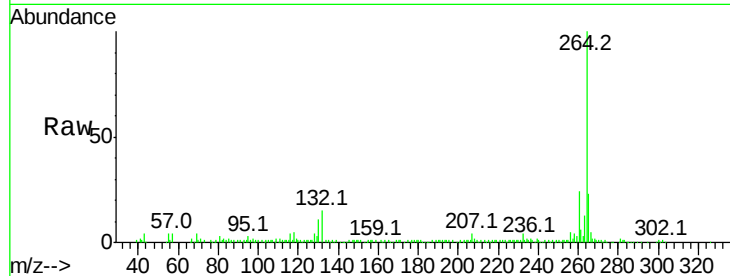
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF106689.D
Acq: 22 Jun 2018 4:01

Instrument :
BNA_F
ClientSampled :
26KV-TP-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.7	17.5	26.3

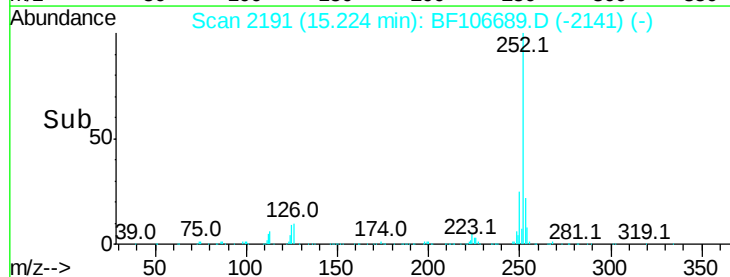
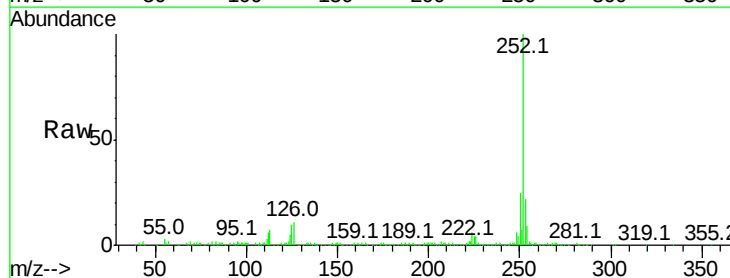
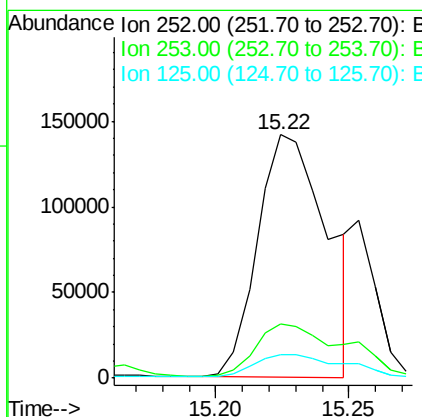
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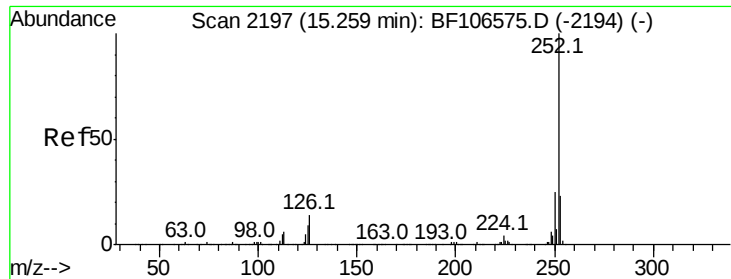
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#87
Benzo(b)fluoranthene
Concen: 38.455 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF106689.D
Acq: 22 Jun 2018 4:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	9.8	9.0	13.6





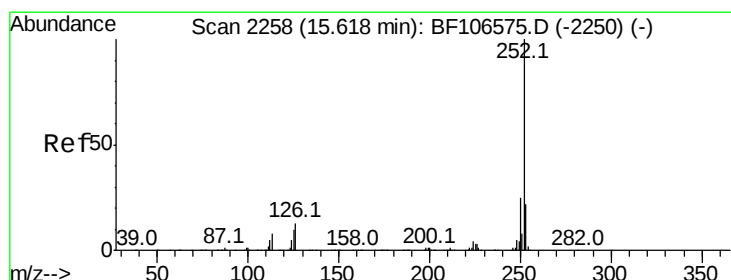
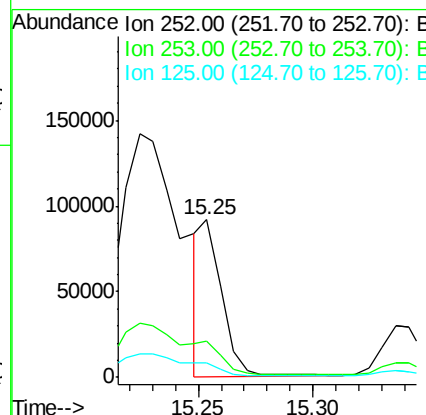
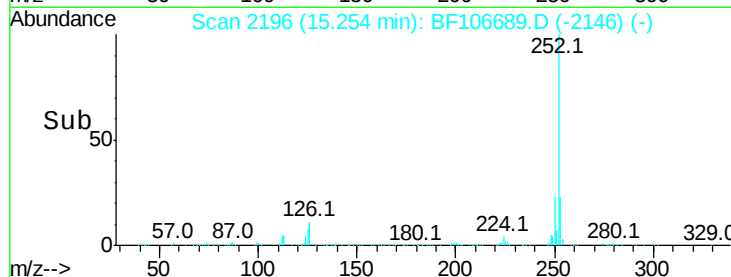
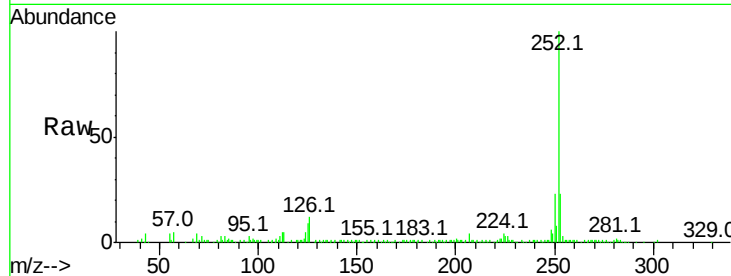
#88
Benzo(k)fluoranthene
Concen: 9.309 ng m
RT: 15.25 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF106689.D
Acq: 22 Jun 2018 4:01

Instrument :
BNA_F
ClientSampleId :
26KV-TP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	9.0	10.2	15.2#

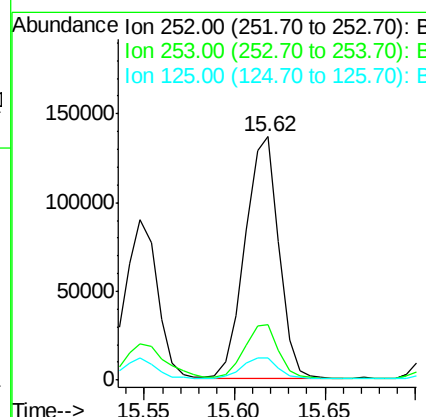
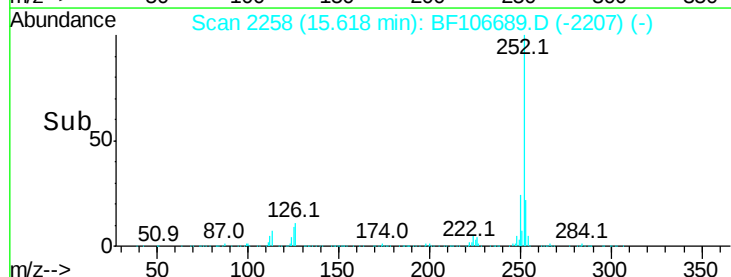
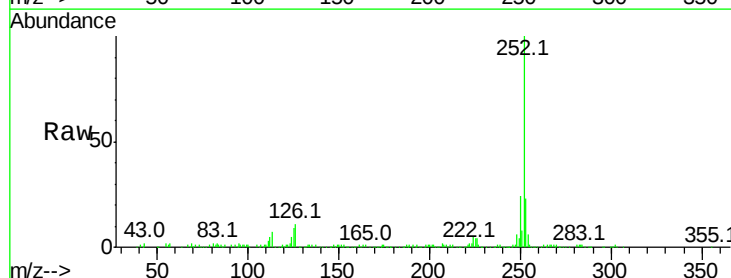
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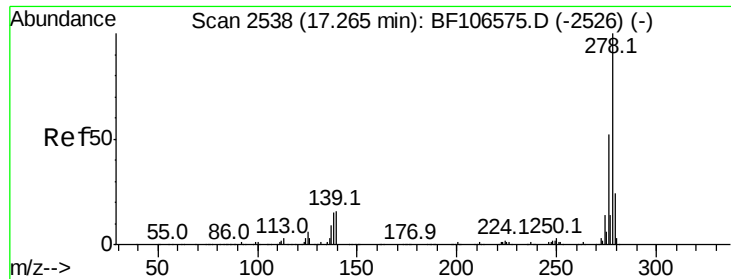
Sohil
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#89
Benzo(a)pyrene
Concen: 29.746 ng m
RT: 15.62 min Scan# 2258
Delta R.T. 0.00 min
Lab File: BF106689.D
Acq: 22 Jun 2018 4:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	9.3	9.8	14.6#





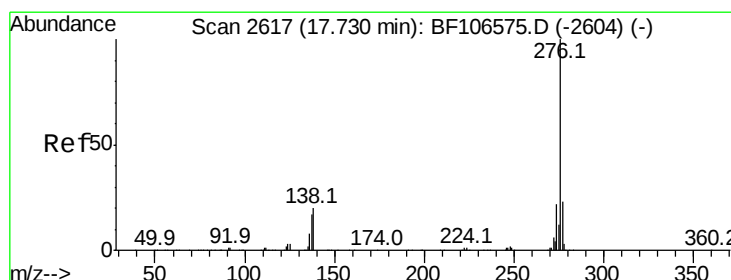
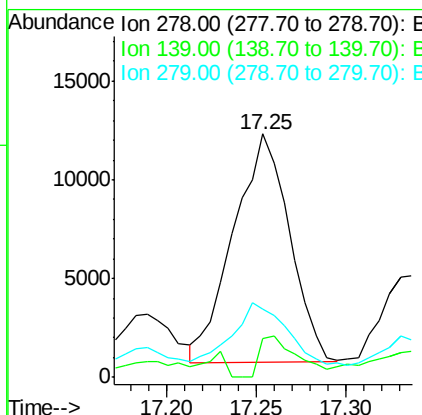
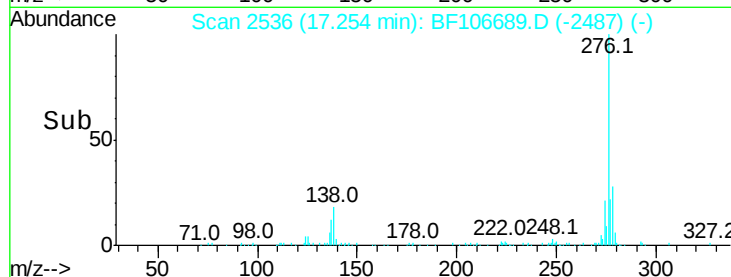
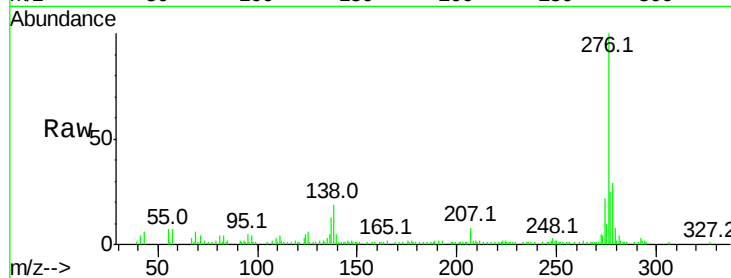
#90
Dibenzo(a,h)anthracene
Concen: 4.992 ng m
RT: 17.25 min Scan# 2536
Delta R.T. -0.01 min
Lab File: BF106689.D
Acq: 22 Jun 2018 4:01

Instrument :
BNA_F
ClientSampleId :
26KV-TP-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.7	15.9	23.9#
279	28.1	19.0	28.4

Manual Integrations
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6/22/2018 10:23:48 AM



#91
Benzo(g,h,i)perylene
Concen: 17.507 ng
RT: 17.72 min Scan# 2616
Delta R.T. -0.01 min
Lab File: BF106689.D
Acq: 22 Jun 2018 4:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	17.9	26.9
138	19.7	21.8	32.8#

