

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
 Data File : BF107309.D
 Acq On : 11 Jul 2018 19:19
 Operator : JU/SJ
 Sample : J3914-03 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 B2

Manual Integrations
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Sohil
 7/12/2018 2:19:39 PM

Quant Time: Jul 12 02:22:40 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 11 16:39:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	53500	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	182150	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	84986	20.00	ng	0.00
63) Phenanthrene-d10	11.48	188	188395	20.00	ng	0.00
75) Chrysene-d12	14.14	240	177870	20.00	ng	0.00
86) Perylene-d12	15.68	264	116226	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	196055	62.05	ng	0.00
7) Phenol-d6	6.58	99	227346	57.62	ng	0.00
23) Nitrobenzene-d5	7.50	82	134333	40.98	ng	0.00
41) 2,4,6-Tribromophenol	10.78	330	64830	65.82	ng	0.00
44) 2-Fluorobiphenyl	9.29	172	239258	39.81	ng	0.00
78) Terphenyl-d14	13.07	244	339426	46.22	ng	0.00
Target Compounds						
31) Naphthalene	8.24	128	18661	2.191	ng	98
49) Dimethylphthalate	9.69	163	50211	7.877	ng	100
51) Acenaphthene	10.01	154	16677	3.146	ng	94
57) Fluorene	10.53	166	15864	2.755	ng	99
67) Hexachlorobenzene	11.09	284	5251	2.231	ng	# 80
70) Phenanthrene	11.51	178	208711	22.969	ng	98
71) Anthracene	11.56	178	57260	6.174	ng	99
72) Carbazole	11.72	167	24526	2.824	ng	97
74) Fluoranthene	12.71	202	339614	33.909	ng	94
77) Pyrene	12.94	202	325240	27.729	ng	99
80) Benzo(a)anthracene	14.13	228	183227	16.902	ng	99
82) Chrysene	14.17	228	157677	15.810	ng	98
85) Indeno(1,2,3-cd)pyrene	17.28	276	62457	7.379	ng	# 90
87) Benzo(b)fluoranthene	15.22	252	146520m	20.294	ng	
88) Benzo(k)fluoranthene	15.25	252	50429m	7.335	ng	
89) Benzo(a)pyrene	15.62	252	102596	15.985	ng	96
90) Dibenzo(a,h)anthracene	17.27	278	18702	3.438	ng	# 90
91) Benzo(g,h,i)perylene	17.77	276	65136	12.251	ng	# 91

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

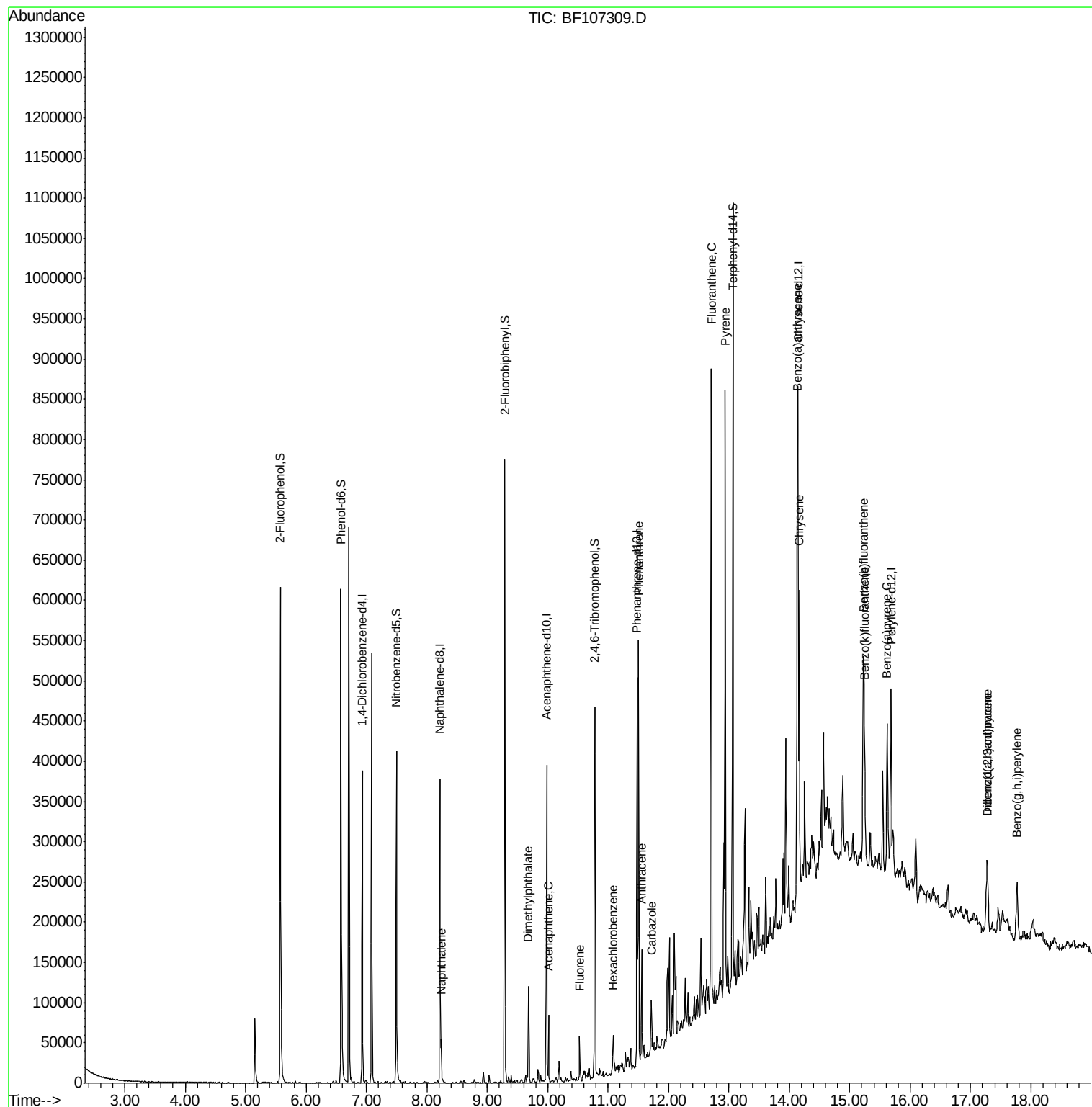
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107309.D
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Misc :
ALS Vial : 16 Sample Multiplier: 1

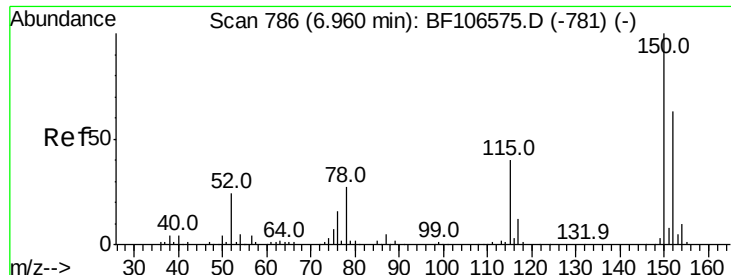
Instrument :
BNA_F
ClientSampled :
B2

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

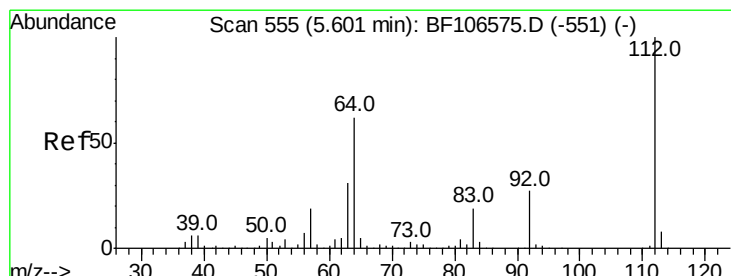
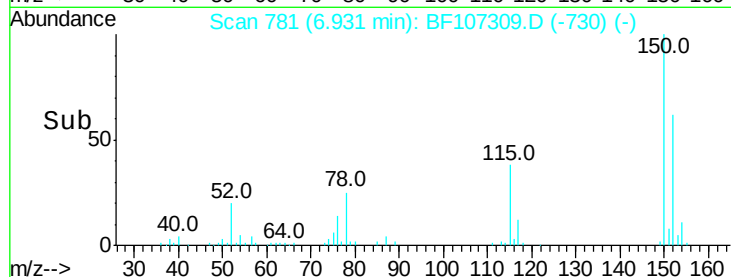
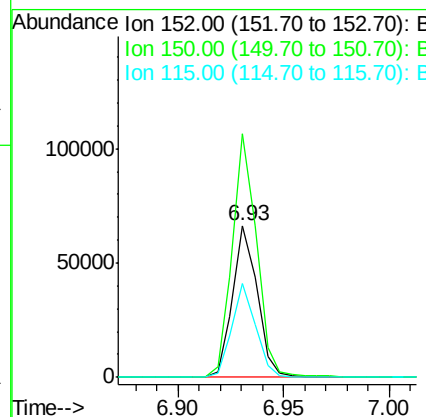
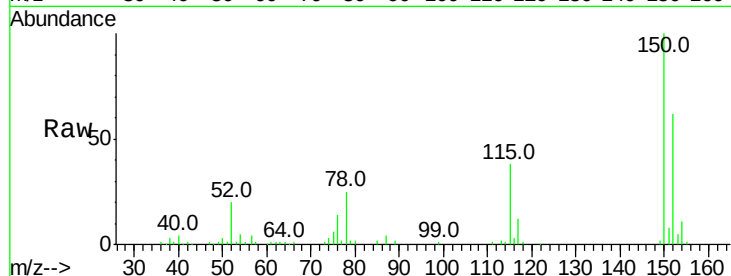
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. -0.00 min
Lab File: BF107309.D
Acq: 11 Jul 2018 19:19

Instrument :
BNA_F
ClientSampled :
B2

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	124.6	186.8
115	61.5	50.1	75.1

Manual Integrations
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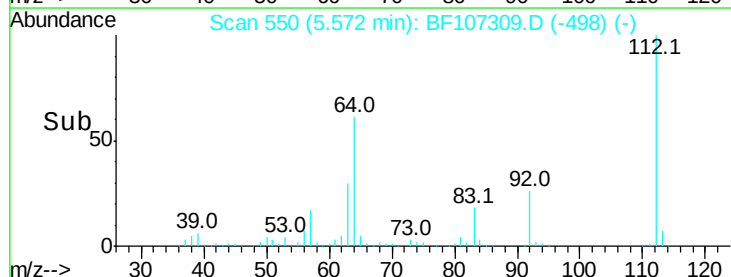
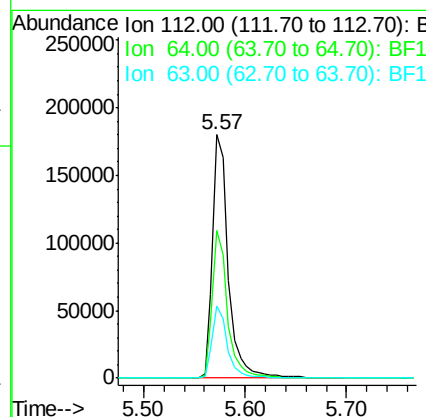
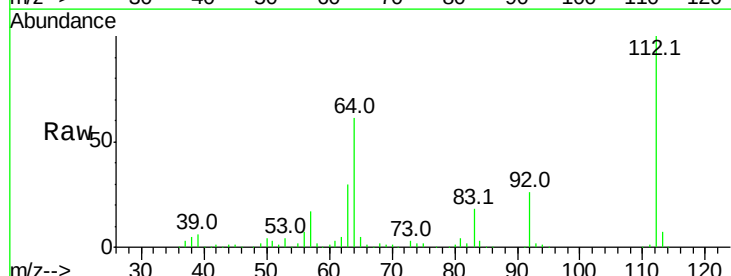
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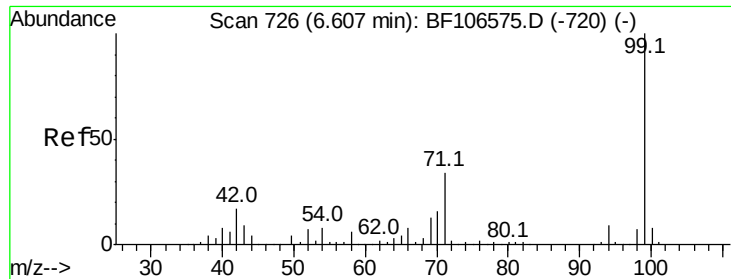


#5

2-Fluorophenol
Concen: 62.053 ng
RT: 5.57 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF107309.D
Acq: 11 Jul 2018 19:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	47.9	71.9
63	29.6	23.7	35.5





#7

Phenol-d6

Concen: 57.621 ng

RT: 6.58 min Scan# 721

Delta R.T. -0.00 min

Lab File: BF107309.D

Acq: 11 Jul 2018 19:19

Instrument :

BNA_F

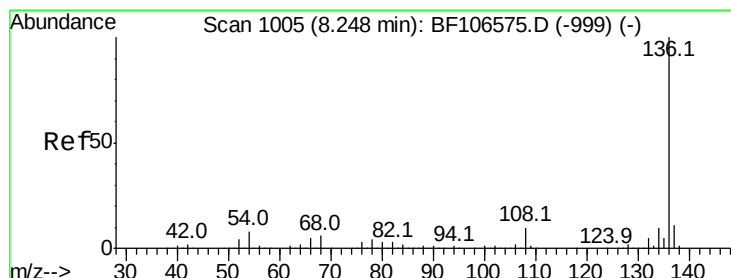
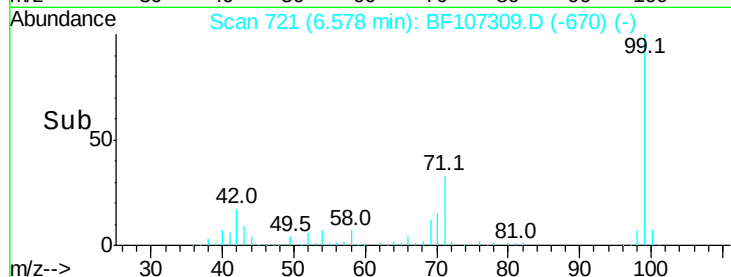
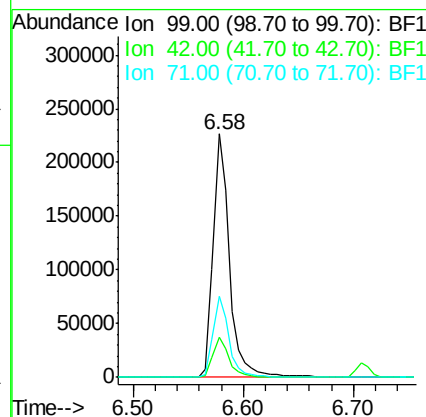
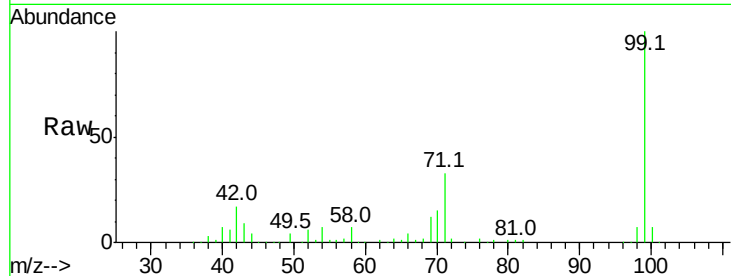
ClientSampled :

B2

Tot Ion:	99	Resp:	227346
Ion Ratio	Lower	Upper	
99	100		
42	16.6	14.5	21.7
71	33.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

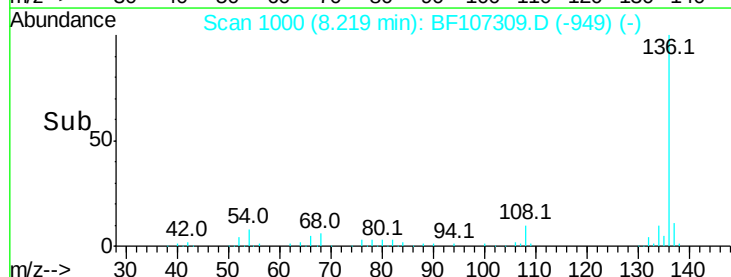
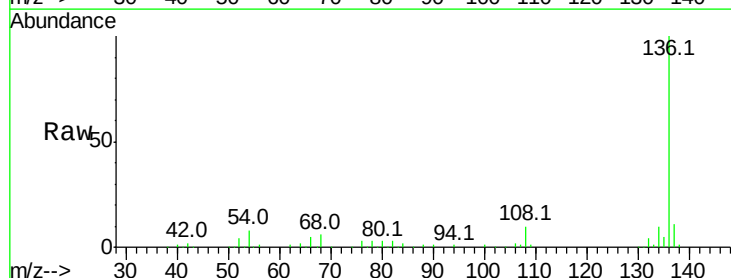
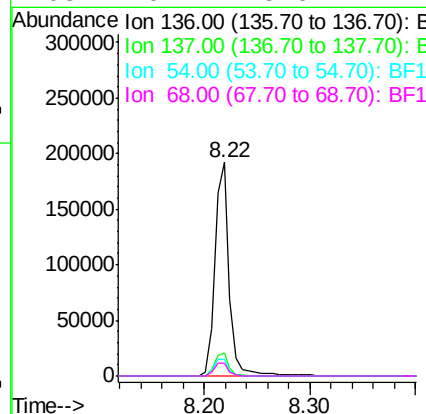
RT: 8.22 min Scan# 1000

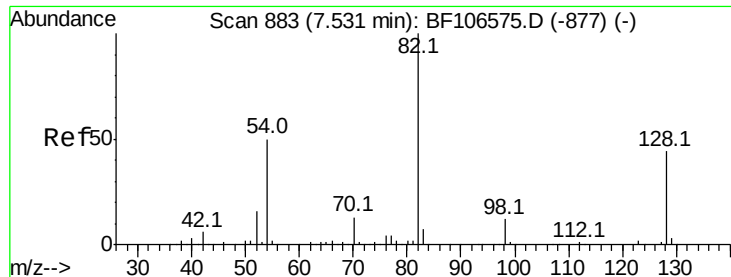
Delta R.T. -0.00 min

Lab File: BF107309.D

Acq: 11 Jul 2018 19:19

Tgt Ion:	136	Resp:	182150
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	7.8	6.6	9.8
68	6.1	5.0	7.4





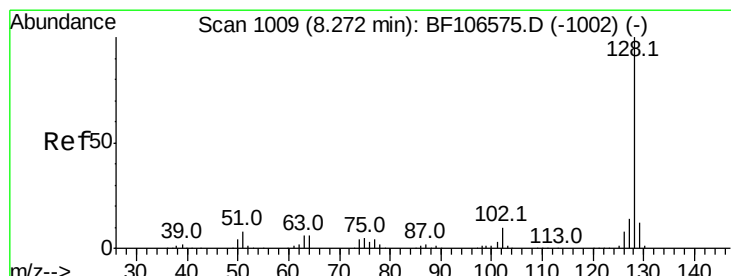
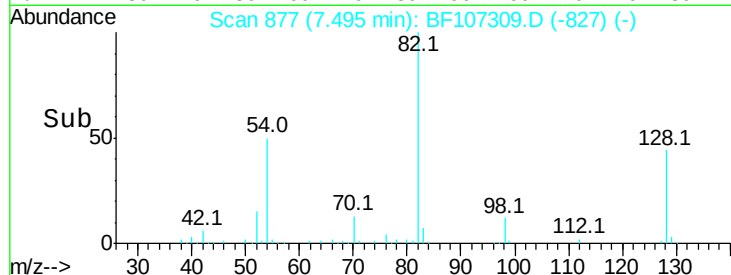
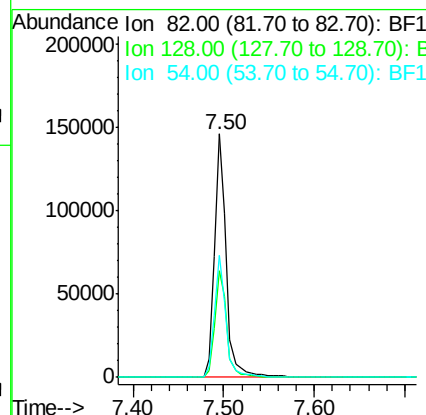
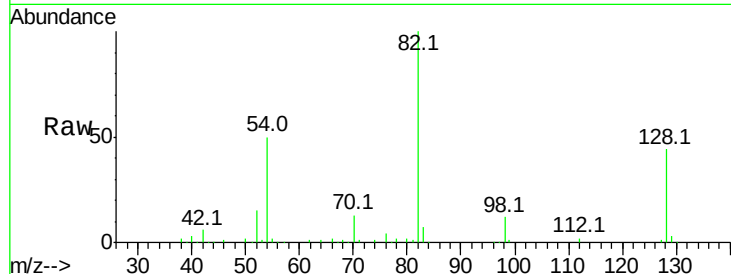
#23
 Nitrobenzene-d5
 Concen: 40.985 ng
 RT: 7.50 min Scan# 877
 Delta R.T. -0.01 min
 Lab File: BF107309.D
 Acq: 11 Jul 2018 19:19

Instrument :
 BNA_F
 ClientSampled :
 B2

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.1	54.1
54	50.0	41.4	62.2

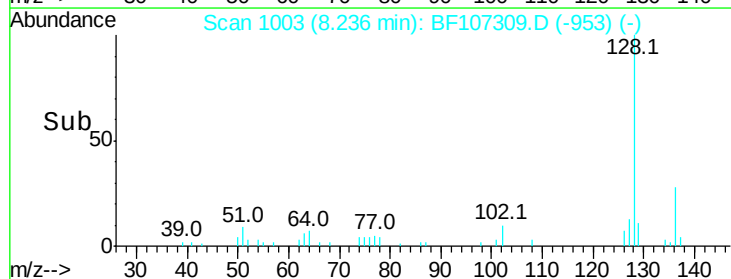
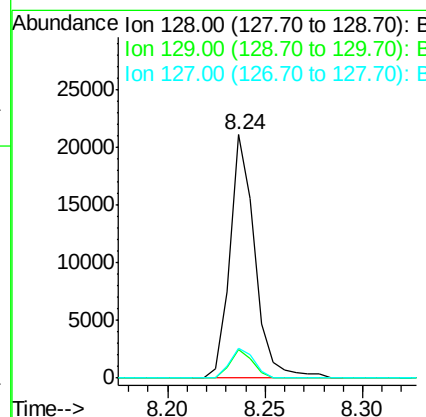
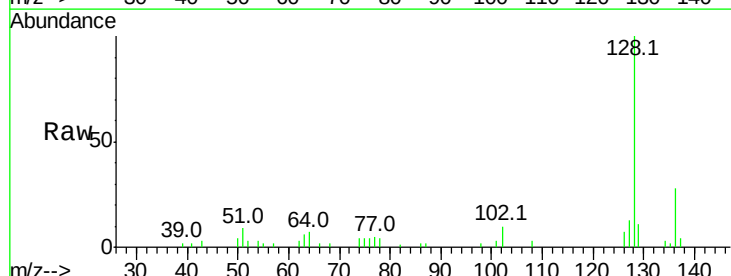
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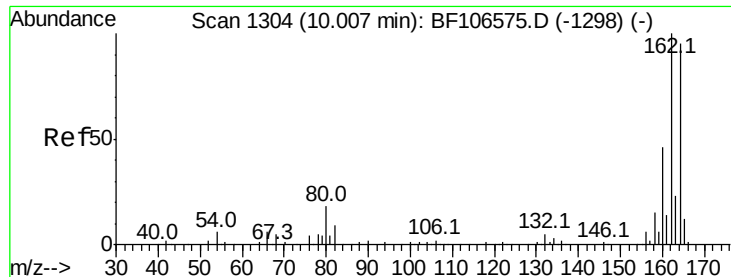
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#31
 Naphthalene
 Concen: 2.191 ng
 RT: 8.24 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: BF107309.D
 Acq: 11 Jul 2018 19:19

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	12.5	10.9	16.3





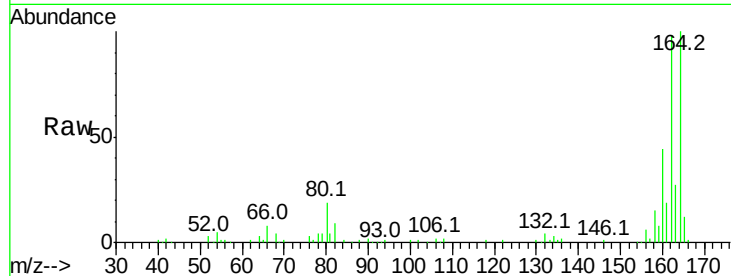
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BF107309.D
Acq: 11 Jul 2018 19:19

Instrument :
BNA_F
ClientSampleId :
B2

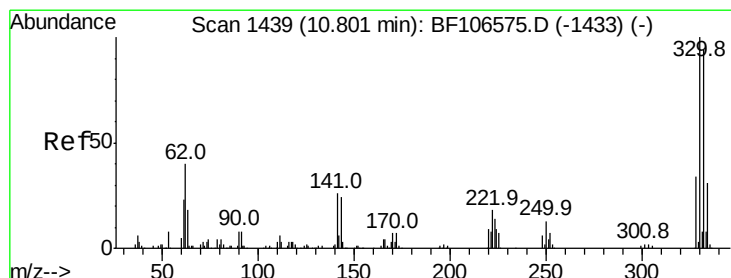
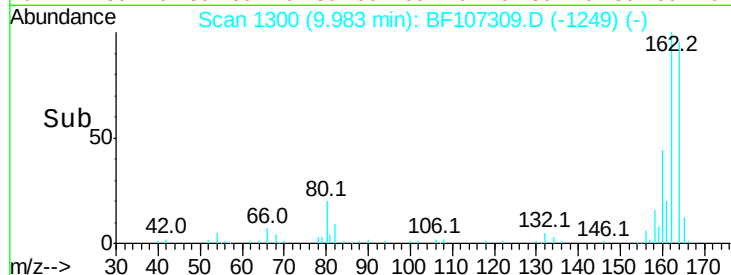
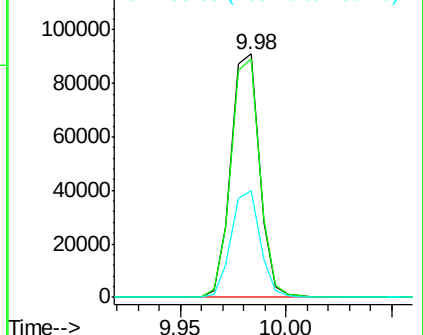
Tot Ion	Ratio	Lower	Upper
164	100		
162	98.1	86.1	129.1
160	43.6	38.3	57.5

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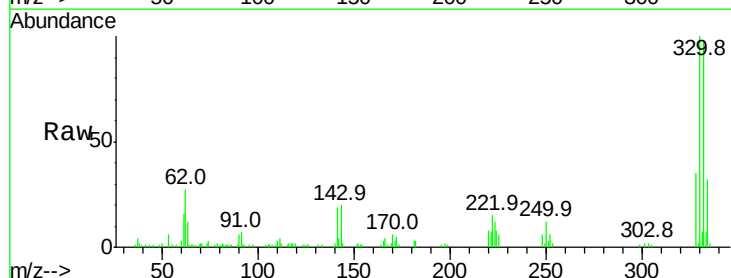


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

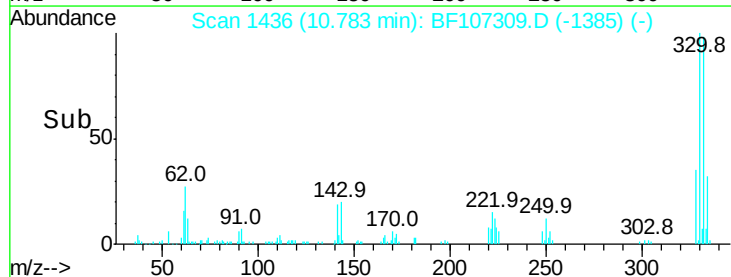
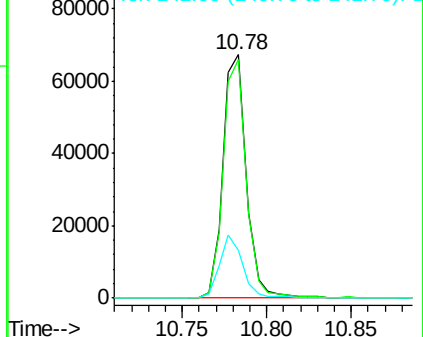


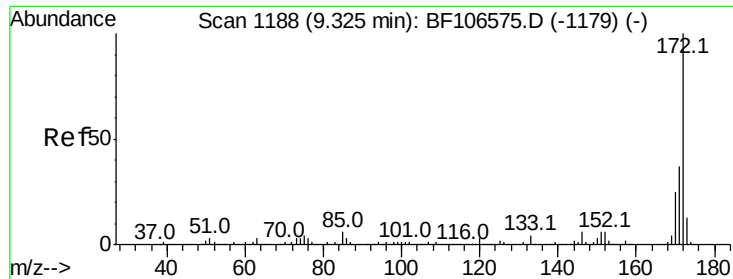
#41
2,4,6-Tribromophenol
Concen: 65.817 ng
RT: 10.78 min Scan# 1436
Delta R.T. -0.00 min
Lab File: BF107309.D
Acq: 11 Jul 2018 19:19

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	25.5	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





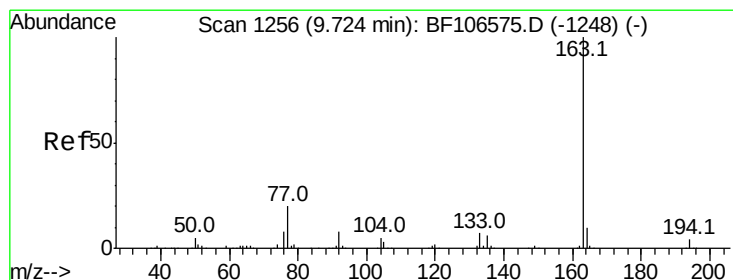
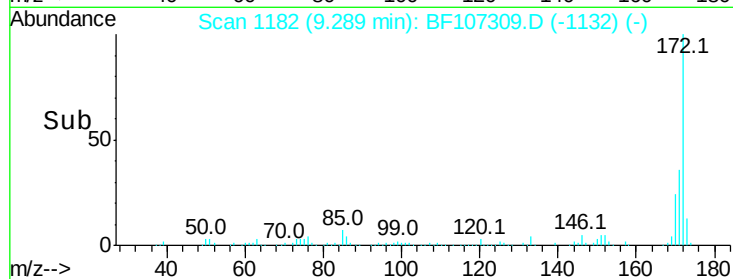
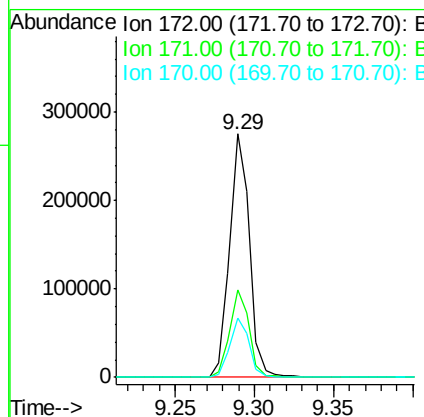
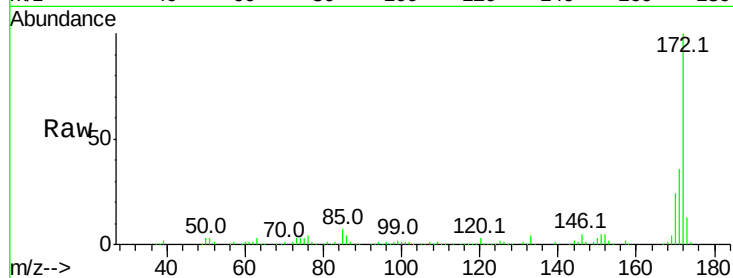
#44
 2-Fluorobiphenyl
 Concen: 39.809 ng
 RT: 9.29 min Scan# 1182
 Delta R.T. -0.01 min
 Lab File: BF107309.D
 Acq: 11 Jul 2018 19:19

Instrument :
 BNA_F
 ClientSampled :
 B2

Tot Ion	Ratio	Resp	Lower	Upper
172	100	239258		
171	35.9		29.7	44.5
170	24.5		19.6	29.4

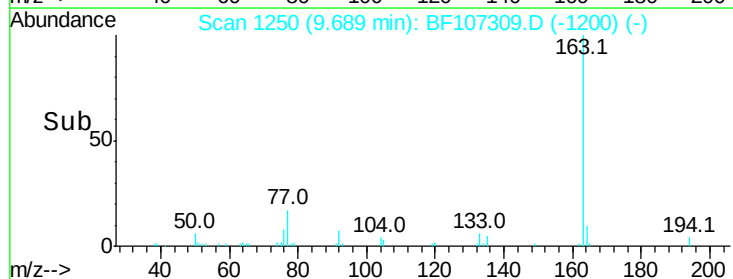
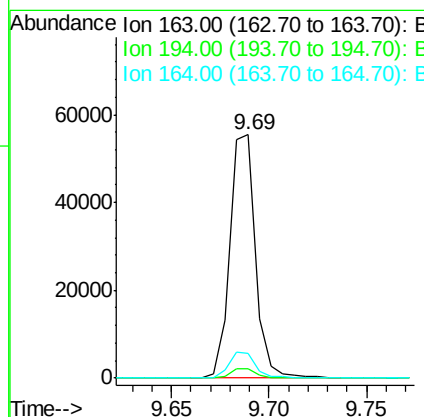
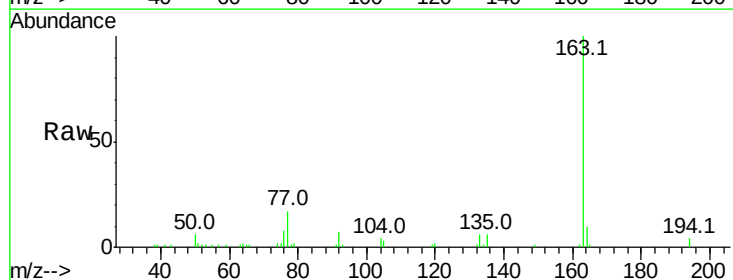
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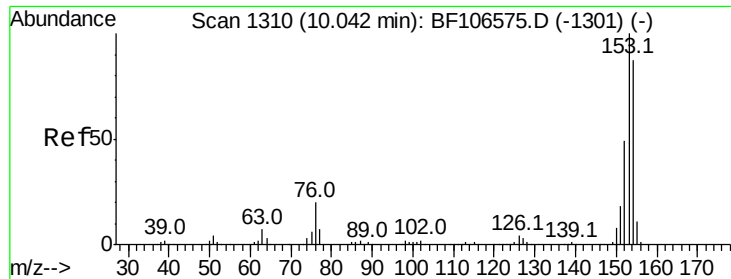
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#49
 Dimethylphthalate
 Concen: 7.877 ng
 RT: 9.69 min Scan# 1250
 Delta R.T. -0.01 min
 Lab File: BF107309.D
 Acq: 11 Jul 2018 19:19

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	50211		
194	3.6		2.7	4.1
164	10.2		8.2	12.2





#51

Acenaphthene

Concen: 3.146 ng

RT: 10.01 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF107309.D

Acq: 11 Jul 2018 19:19

Instrument :

BNA_F

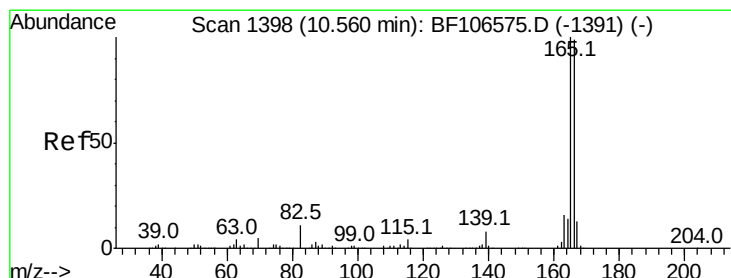
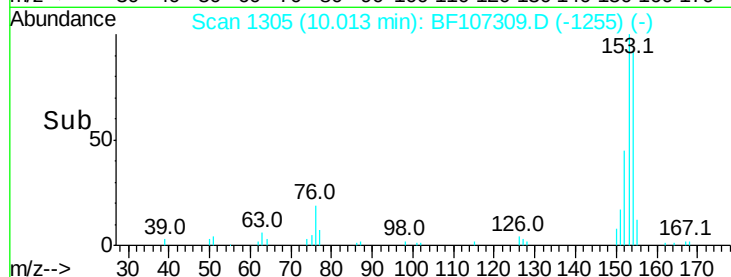
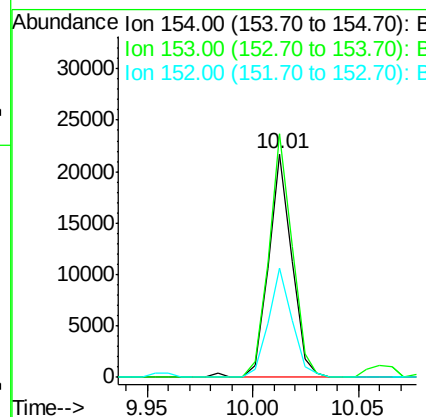
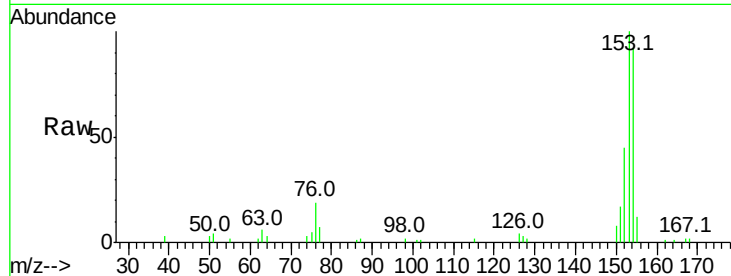
ClientSampleId :

B2

Tot Ion:	154	Resp:	16677
Ion Ratio	Lower	Upper	
154	100		
153	109.1	91.2	136.8
152	49.2	43.8	65.8

Manual Integrations
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#57

Fluorene

Concen: 2.755 ng

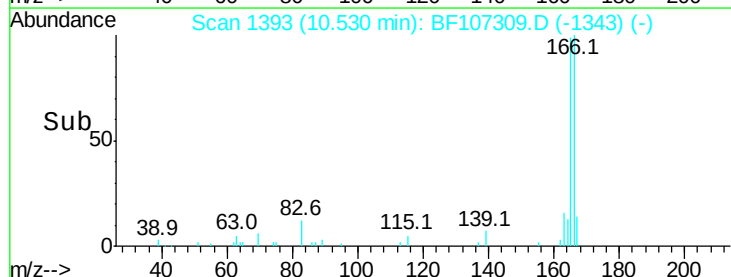
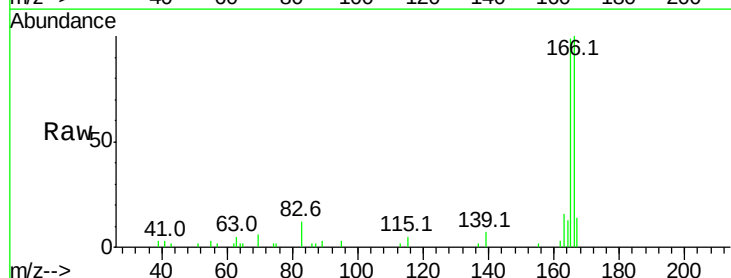
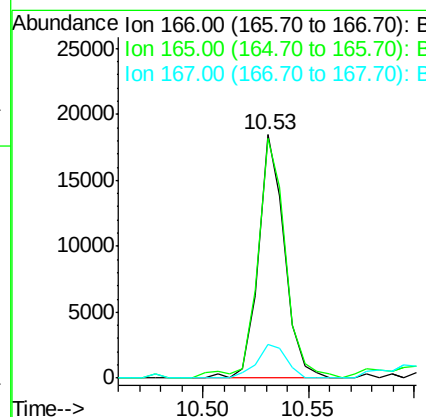
RT: 10.53 min Scan# 1393

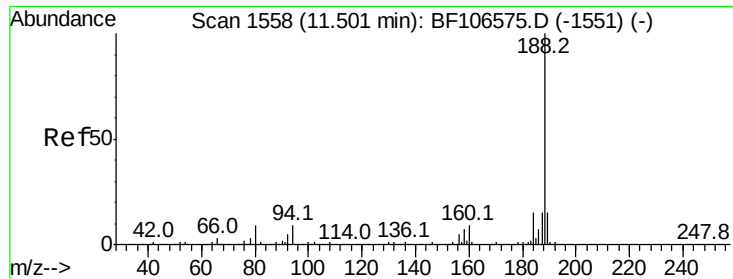
Delta R.T. -0.01 min

Lab File: BF107309.D

Acq: 11 Jul 2018 19:19

Tgt Ion:	166	Resp:	15864
Ion Ratio	Lower	Upper	
166	100		
165	98.7	79.8	119.8
167	13.9	10.6	16.0





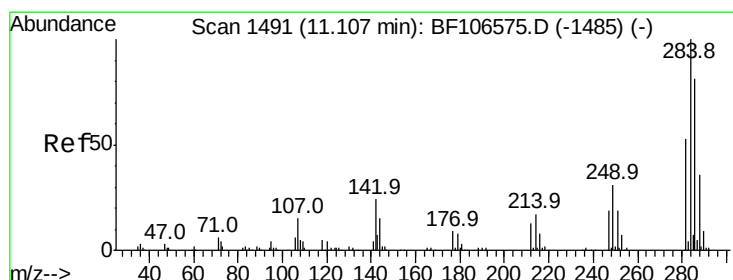
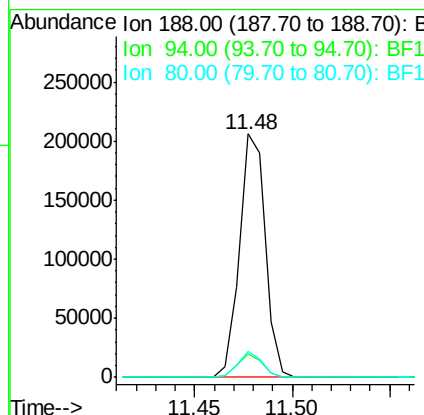
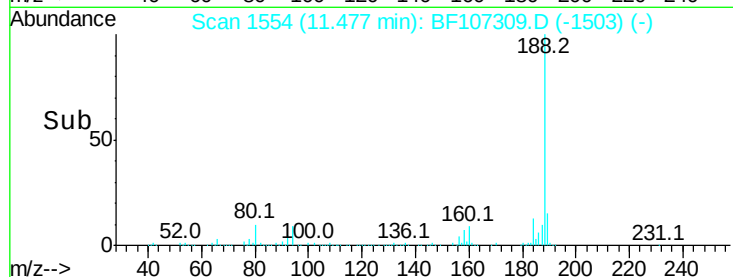
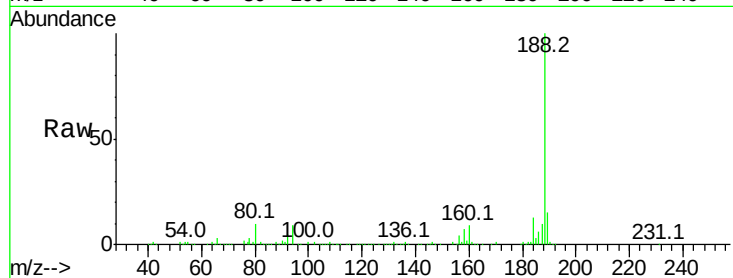
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. -0.00 min
Lab File: BF107309.D
Acq: 11 Jul 2018 19:19

Instrument :
BNA_F
ClientSampled :
B2

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.5	8.5	12.7
80	10.5	9.2	13.8

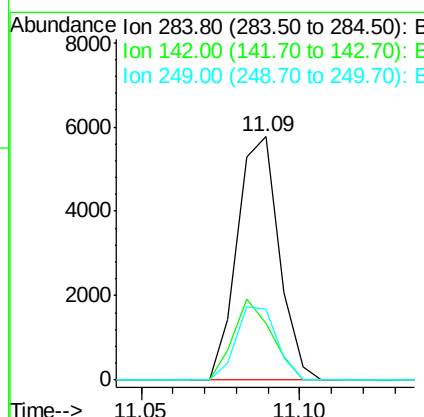
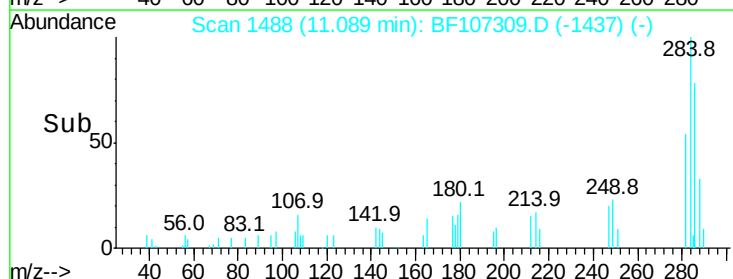
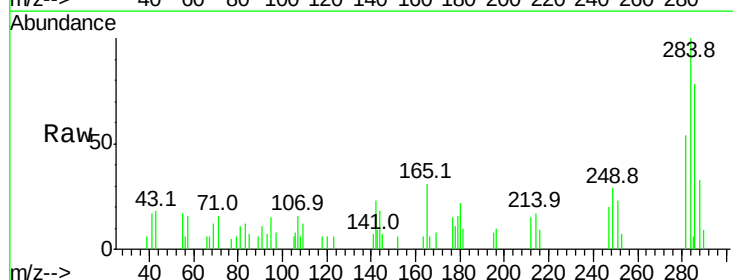
Manual Integrations
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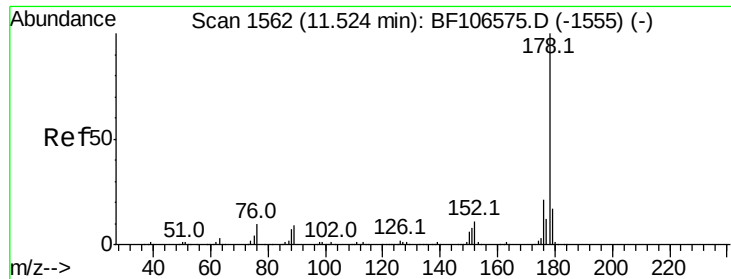
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#67
Hexachlorobenzene
Concen: 2.231 ng
RT: 11.09 min Scan# 1488
Delta R.T. -0.00 min
Lab File: BF107309.D
Acq: 11 Jul 2018 19:19

Tgt Ion	Ratio	Resp Lower	Resp Upper
284	100		
142	23.5	34.6	52.0#
249	29.0	24.8	37.2





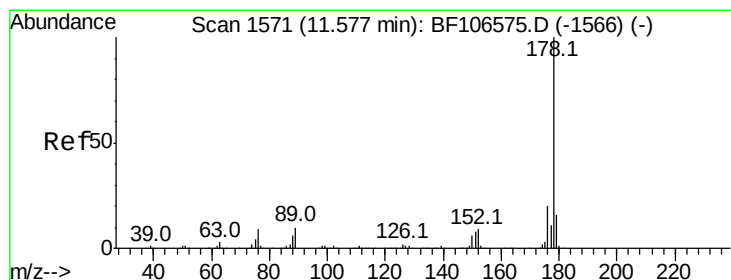
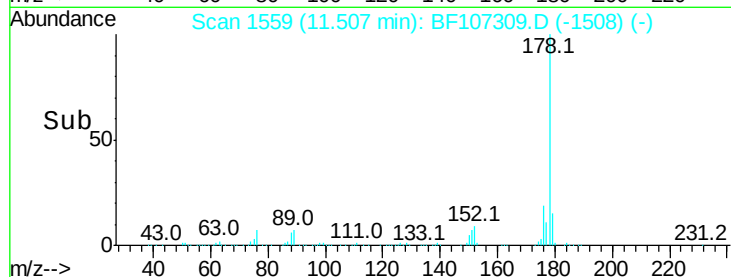
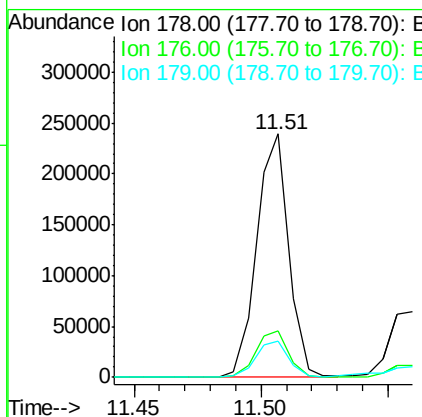
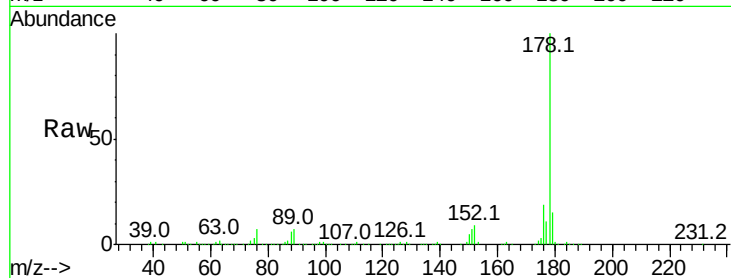
#70
Phenanthrene
Concen: 22.969 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.00 min
Lab File: BF107309.D
Acq: 11 Jul 2018 19:19

Instrument :
BNA_F
ClientSampled :
B2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	14.9	13.0	19.6

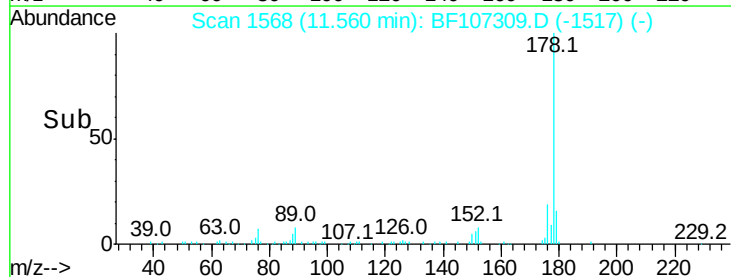
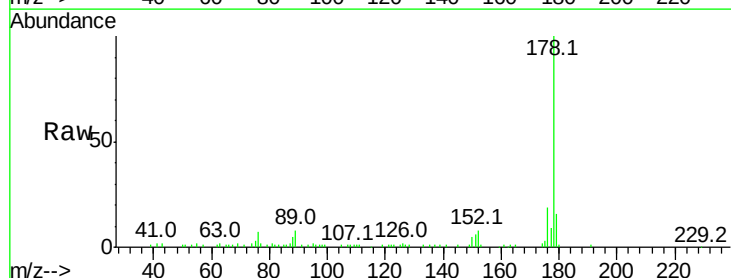
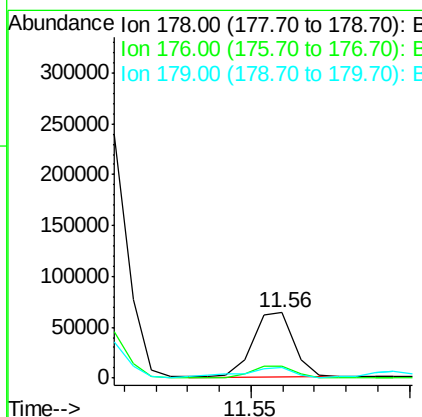
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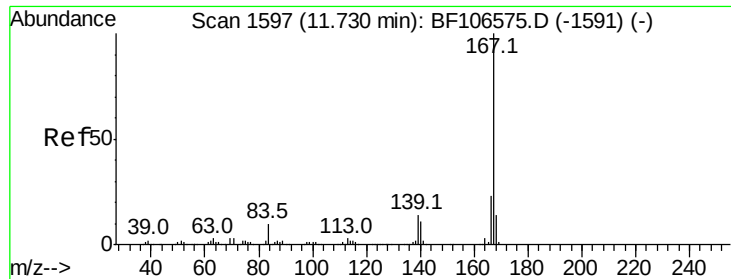
Sohil
7/12/2018 2:19:39 PM



#71
Anthracene
Concen: 6.174 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BF107309.D
Acq: 11 Jul 2018 19:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.7	12.6	19.0





#72

Carbazole

Concen: 2.824 ng

RT: 11.72 min Scan# 1595

Delta R.T. -0.00 min

Lab File: BF107309.D

Acq: 11 Jul 2018 19:19

Instrument :

BNA_F

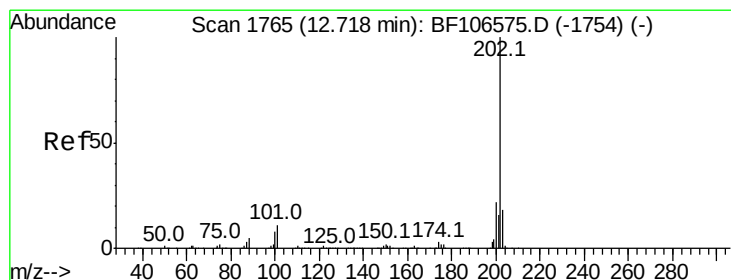
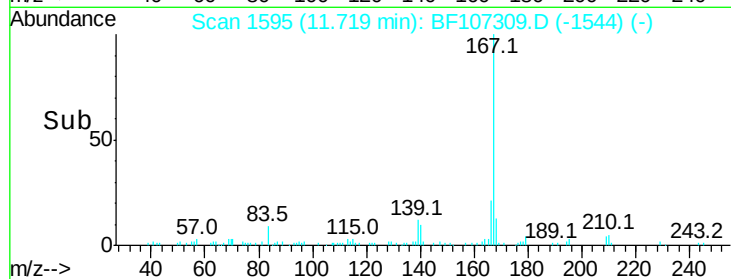
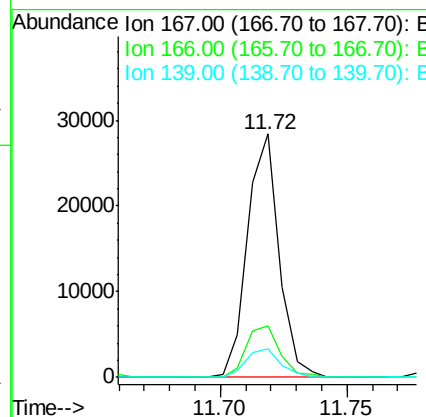
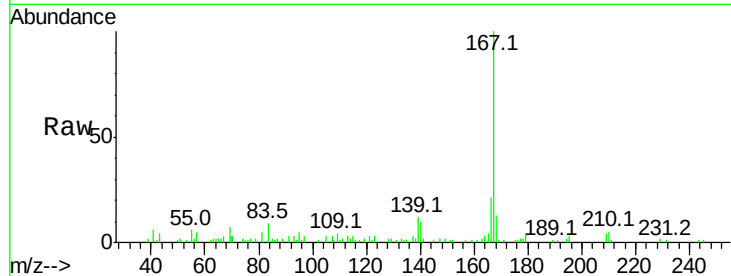
ClientSampled :

B2

Tot Ion:	167	Resp:	24526
Ion Ratio	Lower	Upper	
167	100		
166	20.9	17.6	26.4
139	11.6	10.9	16.3

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#74

Fluoranthene

Concen: 33.909 ng

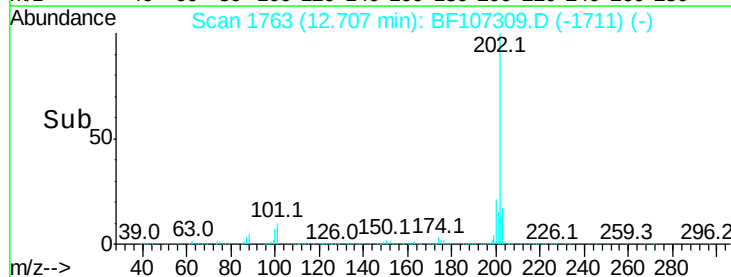
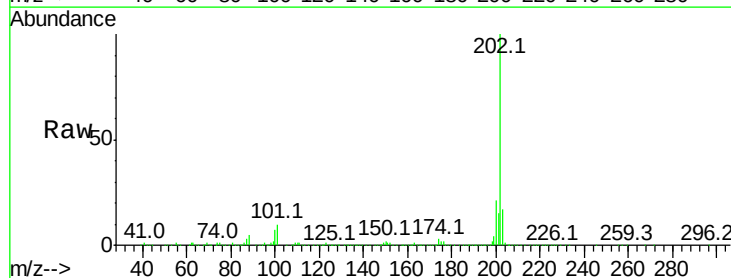
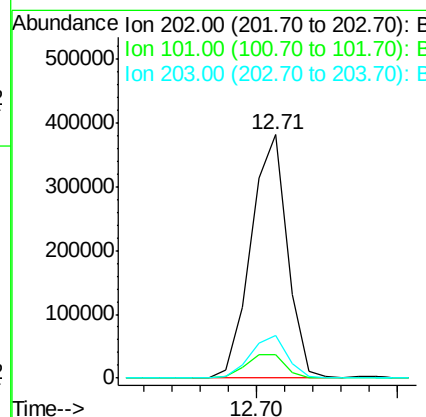
RT: 12.71 min Scan# 1763

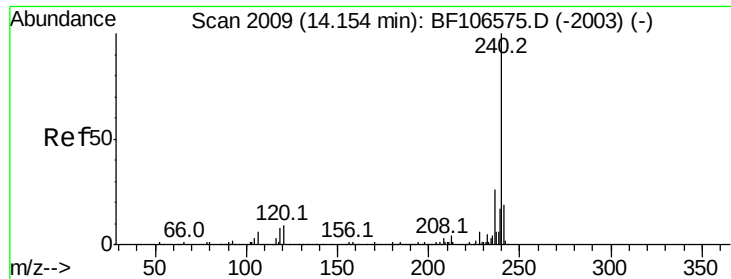
Delta R.T. 0.01 min

Lab File: BF107309.D

Acq: 11 Jul 2018 19:19

Tgt Ion:	202	Resp:	339614
Ion Ratio	Lower	Upper	
202	100		
101	9.6	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.00 min

Lab File: BF107309.D

Acq: 11 Jul 2018 19:19

Instrument :

BNA_F

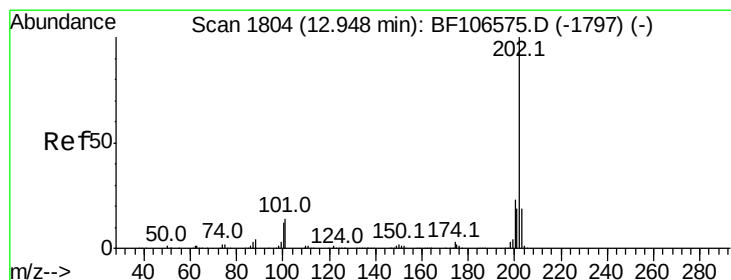
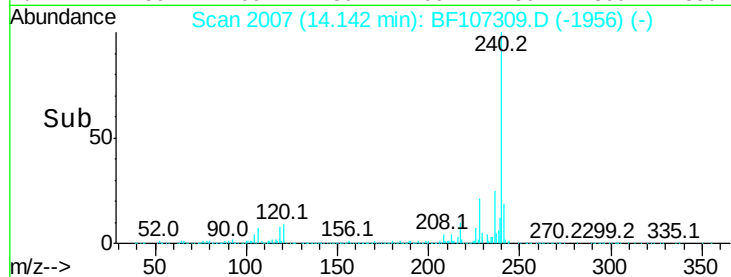
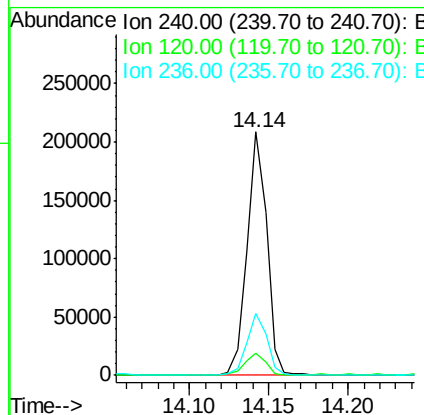
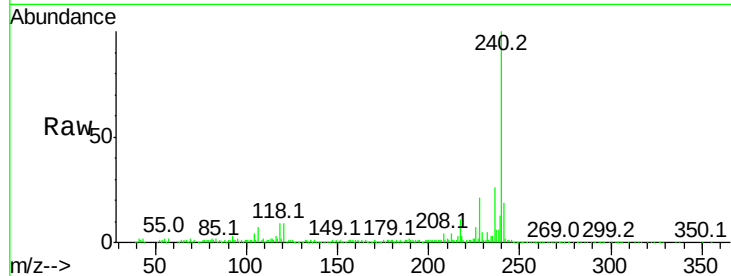
ClientSampled :

B2

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.1	9.5	14.3#
236	25.6	20.7	31.1

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#77

Pyrene

Concen: 27.729 ng

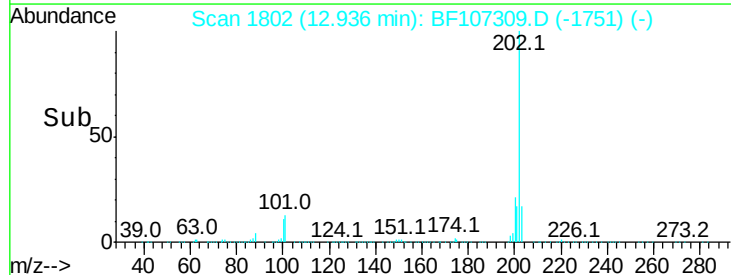
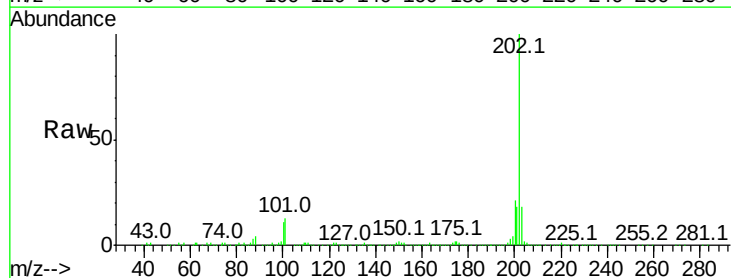
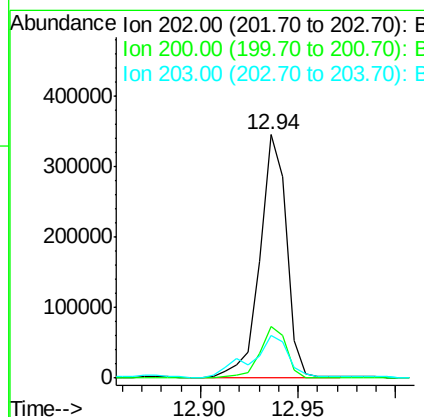
RT: 12.94 min Scan# 1802

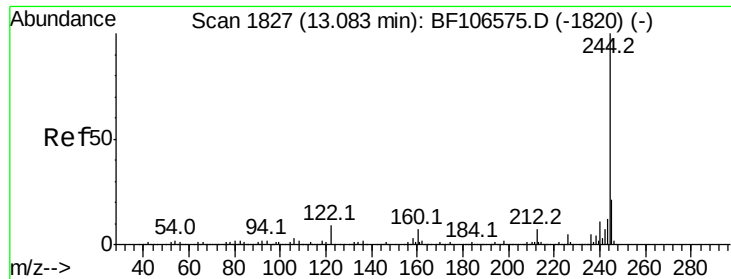
Delta R.T. -0.00 min

Lab File: BF107309.D

Acq: 11 Jul 2018 19:19

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.7	14.3	21.5





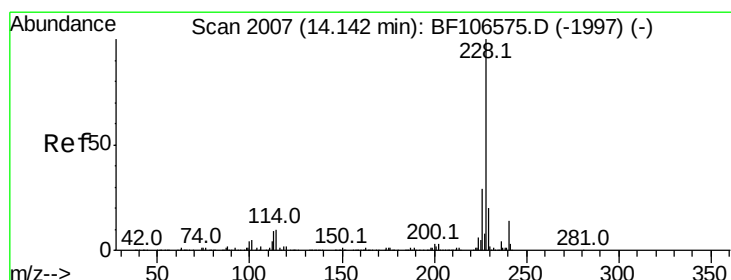
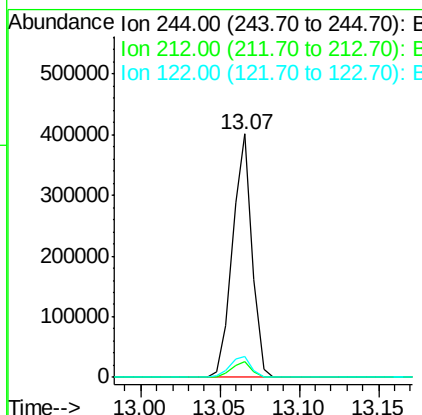
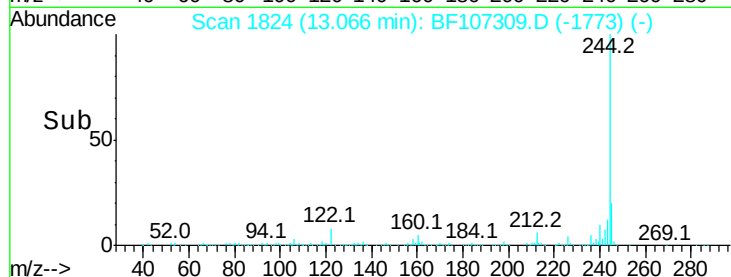
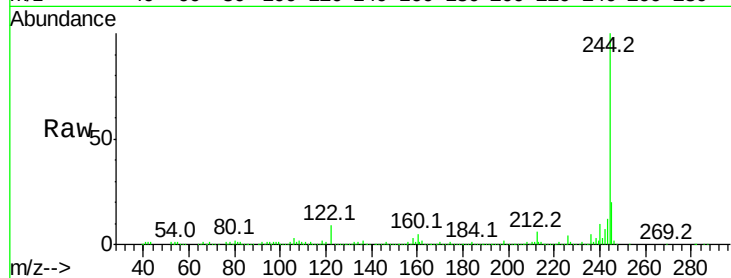
#78
 Terphenyl-d14
 Concen: 46.224 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BF107309.D
 Acq: 11 Jul 2018 19:19

Instrument :
 BNA_F
 ClientSampled :
 B2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	8.6	11.0	16.4

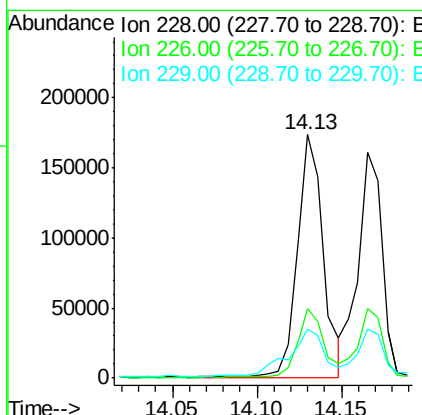
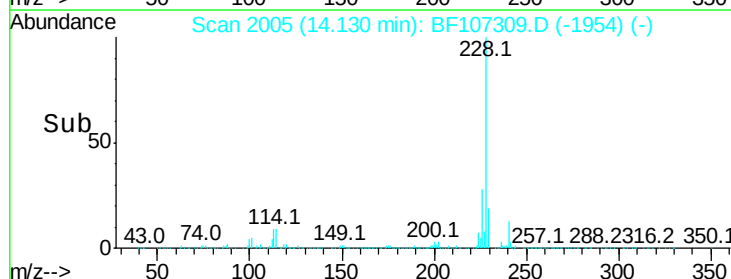
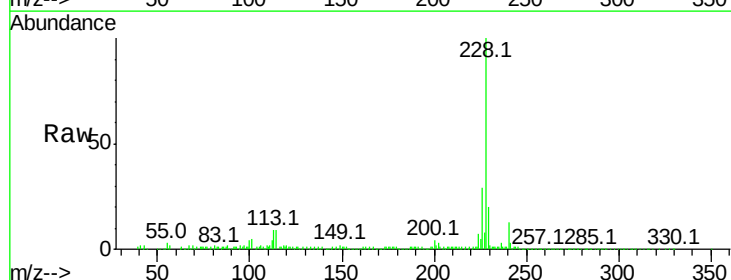
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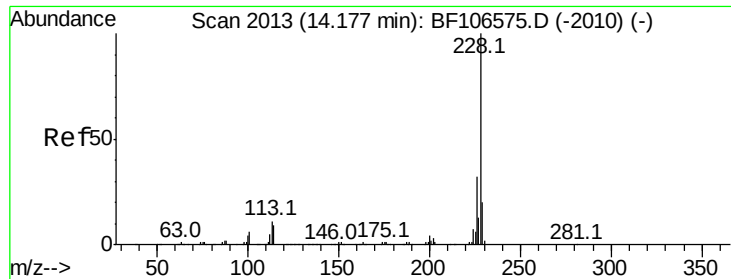
Sohil
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#80
 Benzo(a)anthracene
 Concen: 16.902 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.00 min
 Lab File: BF107309.D
 Acq: 11 Jul 2018 19:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	20.4	15.8	23.6





#82

Chrysene

Concen: 15.810 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF107309.D

Acq: 11 Jul 2018 19:19

Instrument :

BNA_F

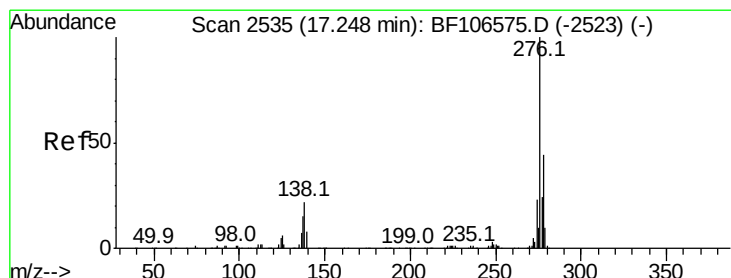
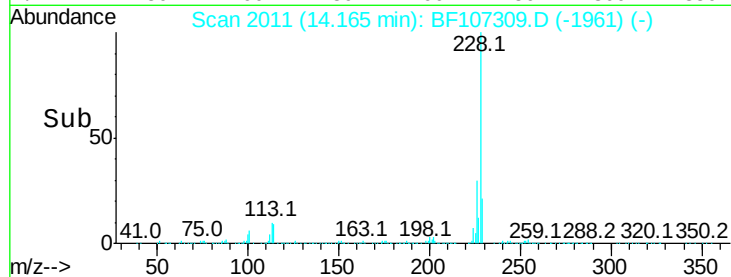
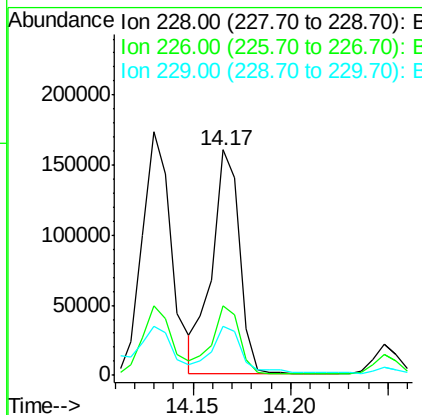
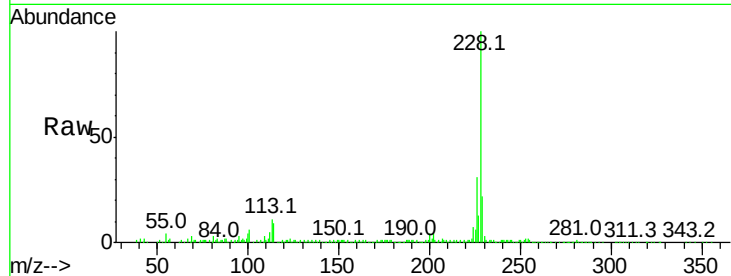
ClientSampleId :

B2

Tot Ion:	228	Resp:	157677
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.0	37.6
229	21.8	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.379 ng

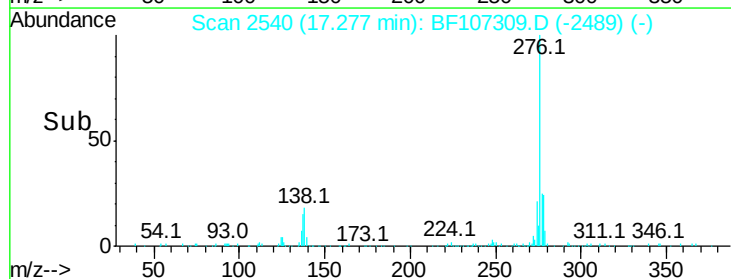
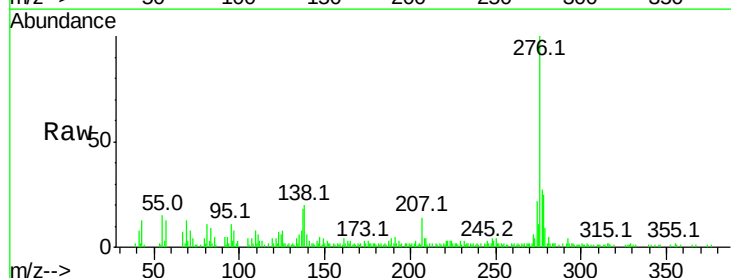
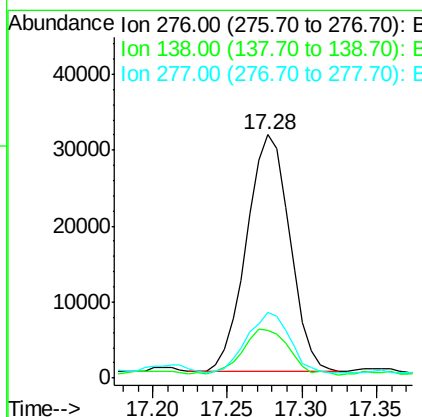
RT: 17.28 min Scan# 2540

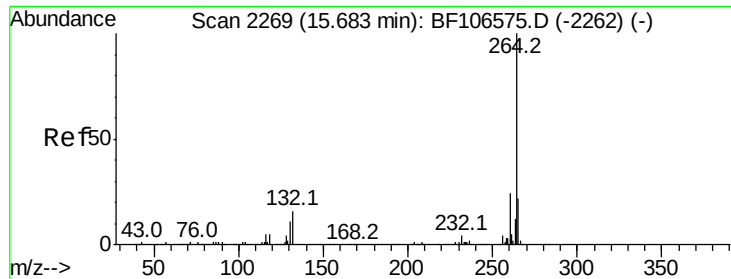
Delta R.T. -0.00 min

Lab File: BF107309.D

Acq: 11 Jul 2018 19:19

Tgt Ion:	276	Resp:	62457
Ion Ratio	Lower	Upper	
276	100		
138	21.0	25.0	37.6#
277	25.2	20.1	30.1





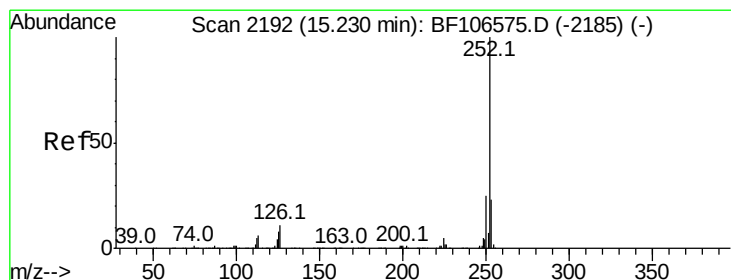
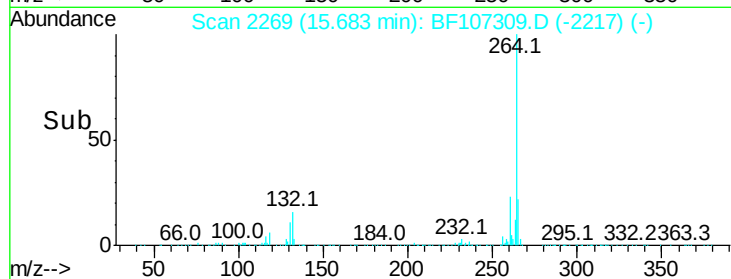
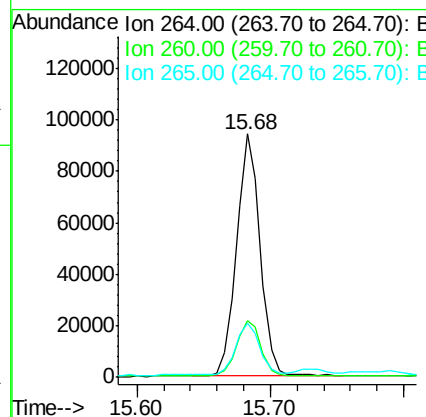
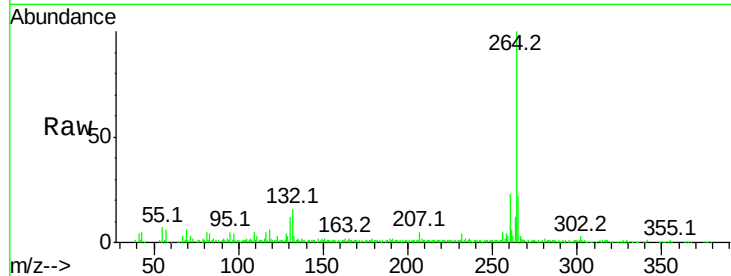
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF107309.D
Acq: 11 Jul 2018 19:19

Instrument :
BNA_F
ClientSampleId :
B2

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.4	17.5	26.3

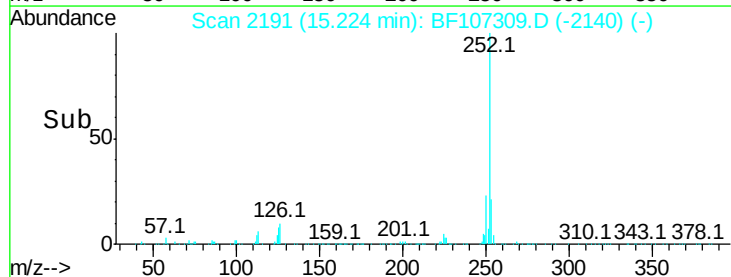
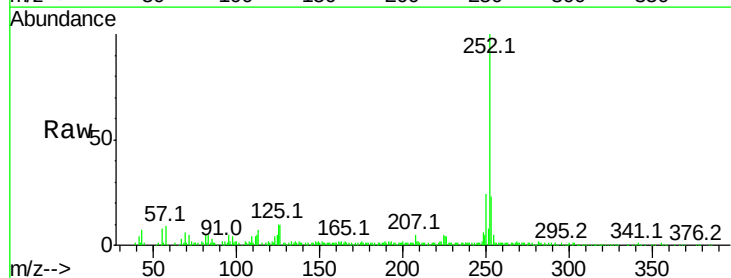
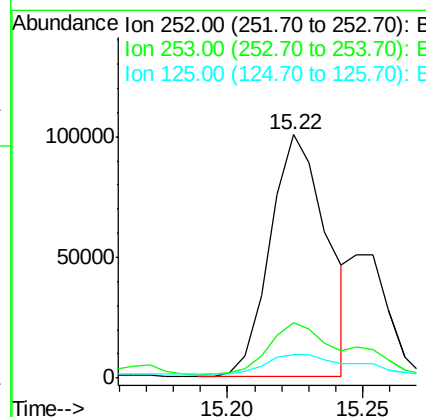
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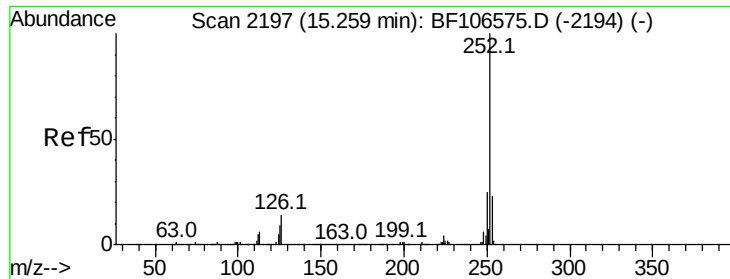
Sohil
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#87
Benzo(b)fluoranthene
Concen: 20.294 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BF107309.D
Acq: 11 Jul 2018 19:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	9.8	9.0	13.6





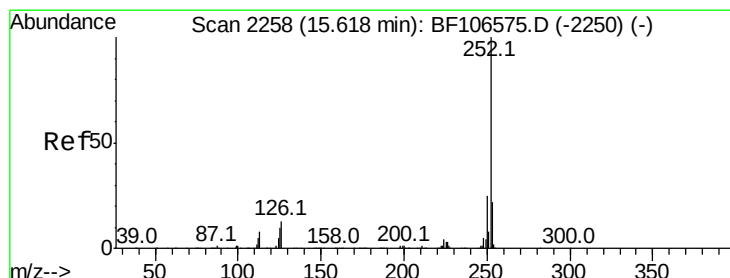
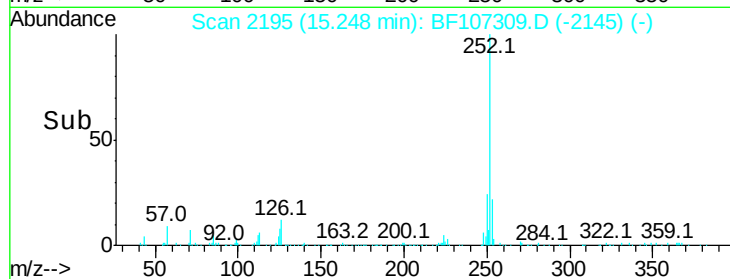
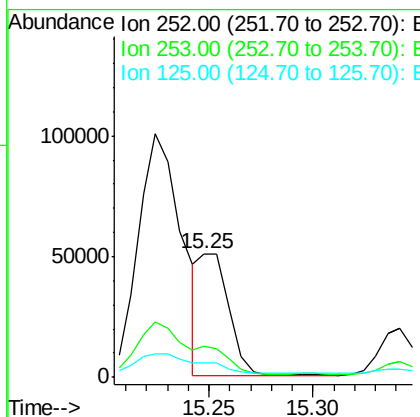
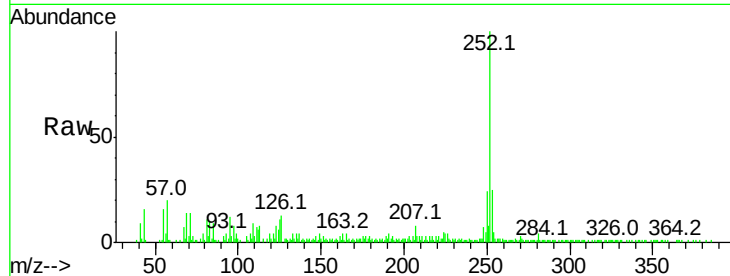
#88
Benzo(k)fluoranthene
Concen: 7.335 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF107309.D
Acq: 11 Jul 2018 19:19

Instrument :
BNA_F
ClientSampleId :
B2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	11.4	10.2	15.2

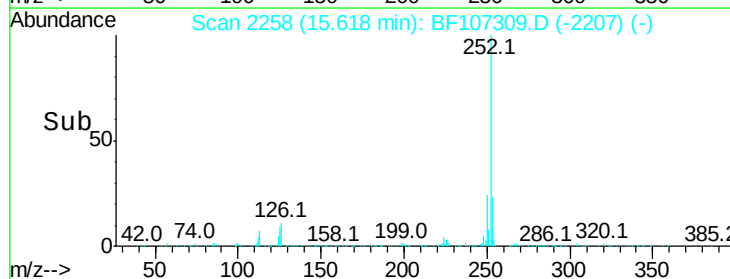
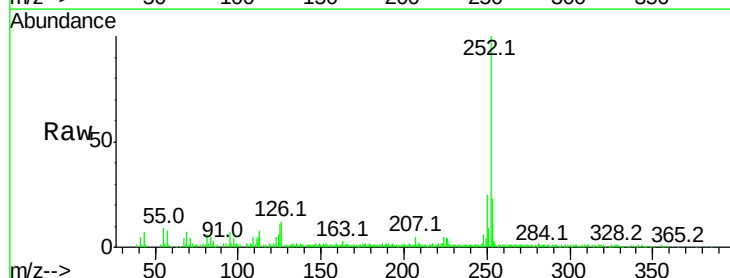
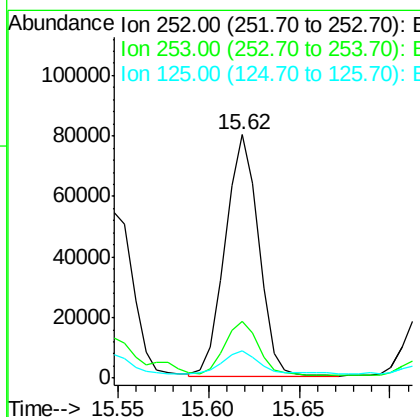
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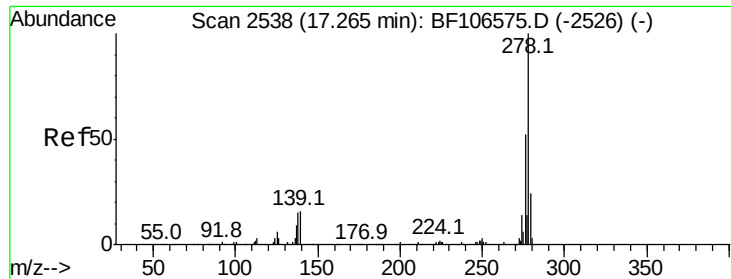
Sohil
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#89
Benzo(a)pyrene
Concen: 15.985 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.00 min
Lab File: BF107309.D
Acq: 11 Jul 2018 19:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	11.1	9.8	14.6





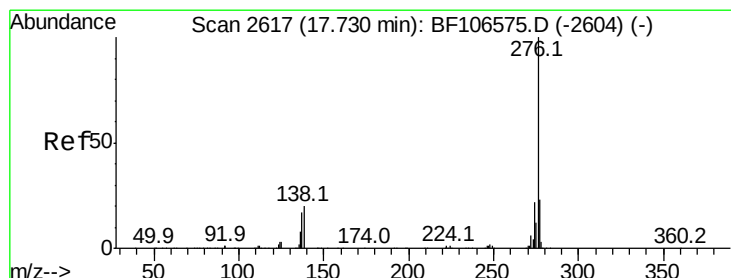
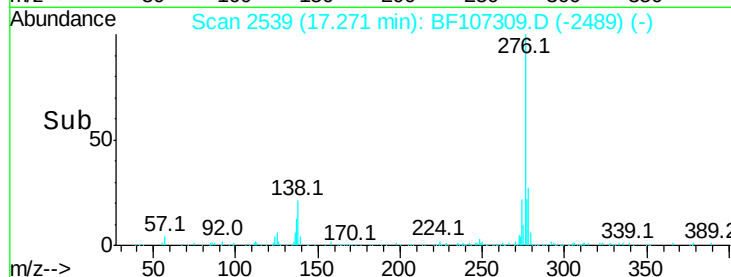
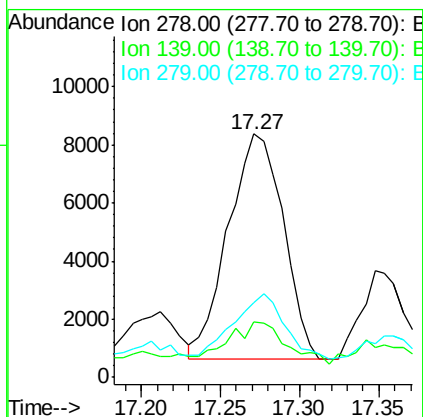
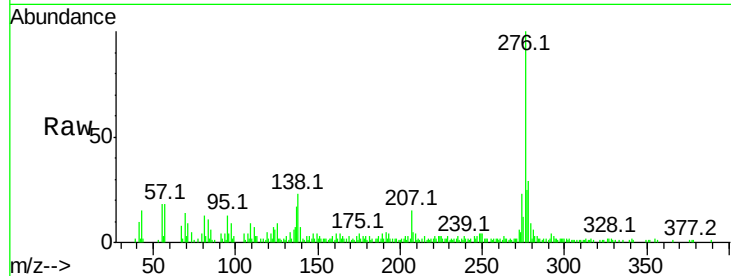
#90
Dibenzo(a,h)anthracene
Concen: 3.438 ng
RT: 17.27 min Scan# 2539
Delta R.T. -0.01 min
Lab File: BF107309.D
Acq: 11 Jul 2018 19:19

Instrument :
BNA_F
ClientSampled :
B2

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.8	15.9	23.9
279	30.4	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 12.251 ng
RT: 17.77 min Scan# 2623
Delta R.T. 0.01 min
Lab File: BF107309.D
Acq: 11 Jul 2018 19:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	20.7	21.8	32.8

