

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
 Data File : BF107303.D
 Acq On : 11 Jul 2018 16:38
 Operator : JU/SJ
 Sample : J3933-02DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-2-4DL

Manual Integrations
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Quant Time: Jul 11 18:11:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	59708	20.00	ng	-0.03
21) Naphthalene-d8	8.21	136	228025	20.00	ng	-0.04
38) Acenaphthene-d10	9.98	164	101545	20.00	ng	-0.03
63) Phenanthrene-d10	11.48	188	173287	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	187942	20.00	ng	-0.02
86) Perylene-d12	15.68	264	155518	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	33267	9.43	ng	-0.03
7) Phenol-d6	6.58	99	42424	9.63	ng	-0.04
23) Nitrobenzene-d5	7.50	82	25004	6.09	ng	-0.04
41) 2,4,6-Tribromophenol	10.78	330	8818	7.49	ng	-0.02
44) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng	
78) Terphenyl-d14	13.06	244	50643	6.53	ng	-0.02
Target Compounds						
51) Acenaphthene	10.01	154	15477	2.444	ng	98
57) Fluorene	10.53	166	16883	2.453	ng	# 98
70) Phenanthrene	11.50	178	364217	43.577	ng	99
71) Anthracene	11.55	178	55897	6.552	ng	99
74) Fluoranthene	12.70	202	388913	42.217	ng	96
77) Pyrene	12.94	202	527115	42.532	ng	99
80) Benzo(a)anthracene	14.13	228	320489	27.979	ng	98
82) Chrysene	14.17	228	315294	29.920	ng	98
85) Indeno(1,2,3-cd)pyrene	17.28	276	86521	9.675	ng	# 87
87) Benzo(b)fluoranthene	15.22	252	294198m	30.453	ng	
88) Benzo(k)fluoranthene	15.25	252	62582m	6.803	ng	
89) Benzo(a)pyrene	15.62	252	200173m	23.308	ng	
90) Dibenzo(a,h)anthracene	17.28	278	30756m	4.226	ng	
91) Benzo(g,h,i)perylene	17.77	276	104954	14.753	ng	# 88

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

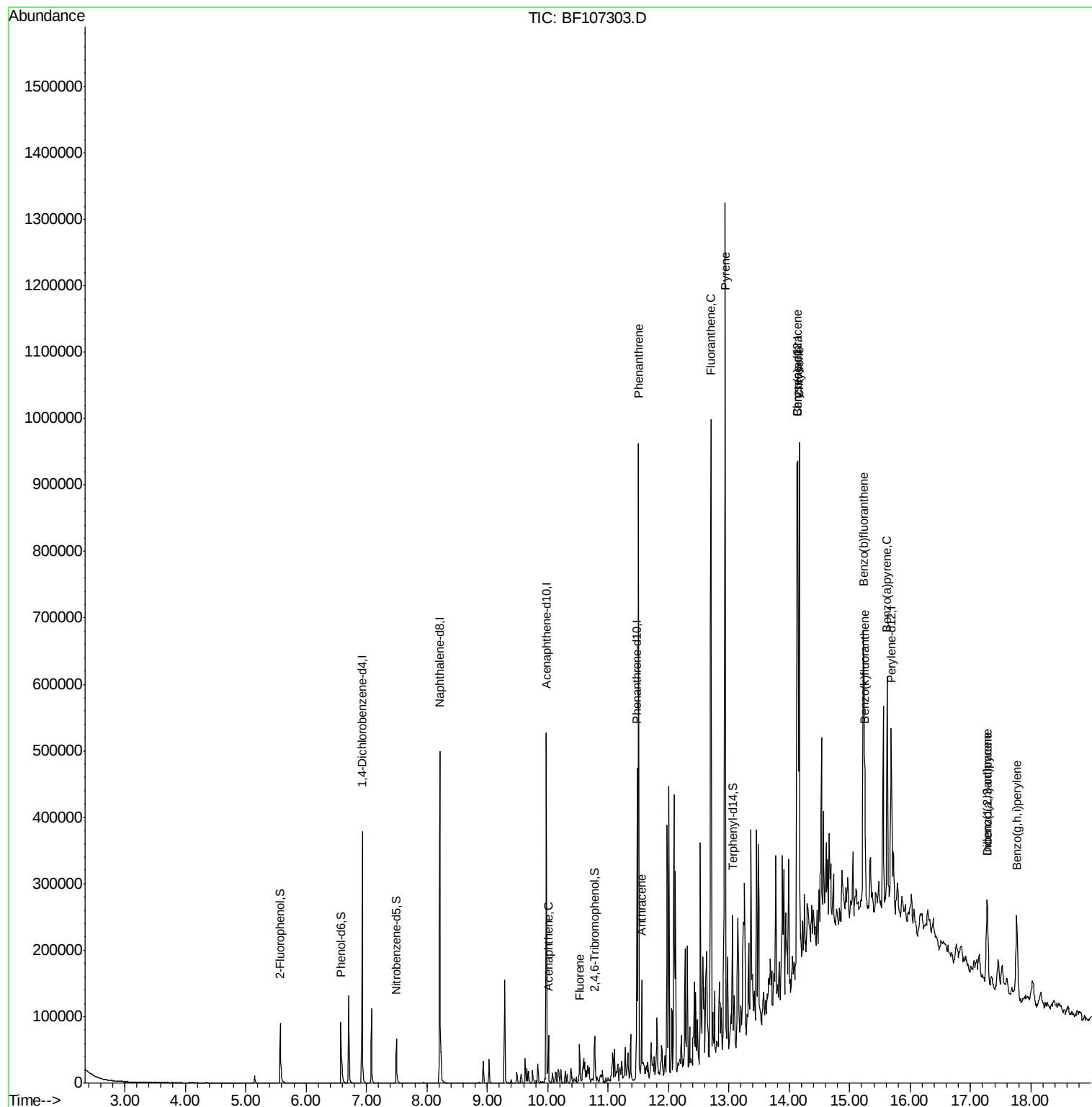
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
Data File : BF107303.D
Acq On : 11 Jul 2018 16:38
Operator : JU/SJ
Sample : J3933-02DL 10X
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ALS Vial : 10 Sample Multiplier: 1

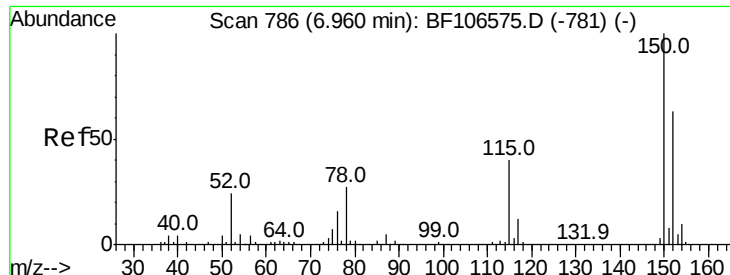
Instrument :
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#1

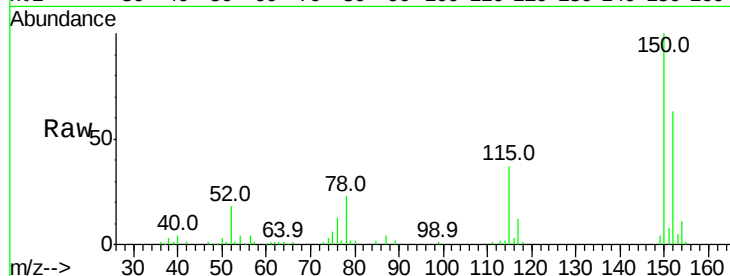
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. -0.03 min
Lab File: BF107303.D
Acq: 11 Jul 2018 16:38

Instrument :
BNA_F
ClientSampled :
EP-2-4DL

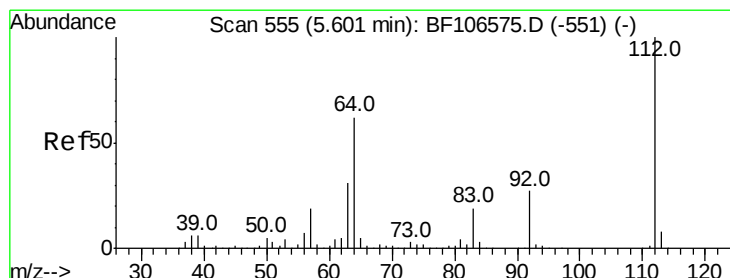
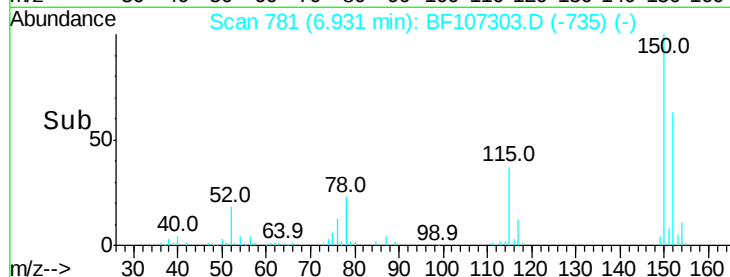
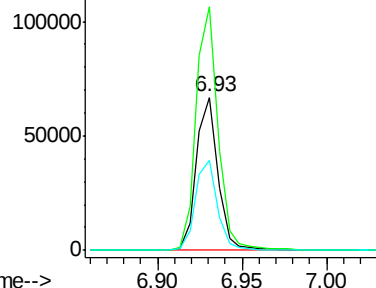
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	124.6	186.8
115	58.4	50.1	75.1

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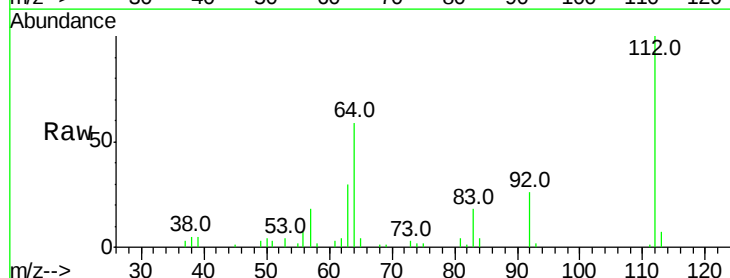
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Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



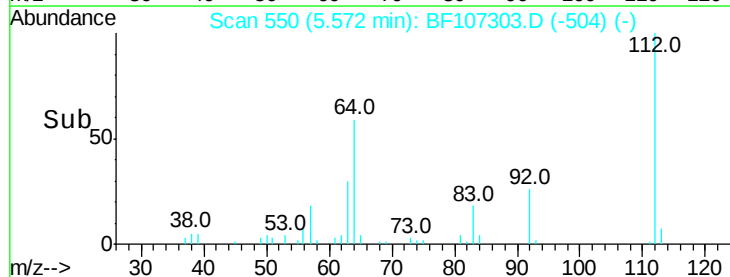
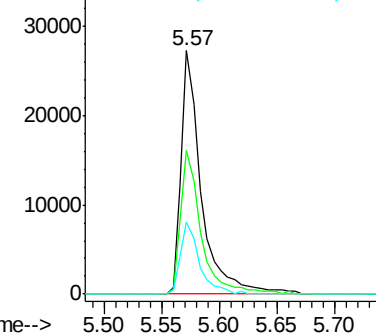
#5

2-Fluorophenol
Concen: 9.435 ng
RT: 5.57 min Scan# 550
Delta R.T. -0.03 min
Lab File: BF107303.D
Acq: 11 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	47.9	71.9
63	29.8	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 9.634 ng

RT: 6.58 min Scan# 721

Delta R.T. -0.04 min

Lab File: BF107303.D

Acq: 11 Jul 2018 16:38

Instrument :

BNA_F

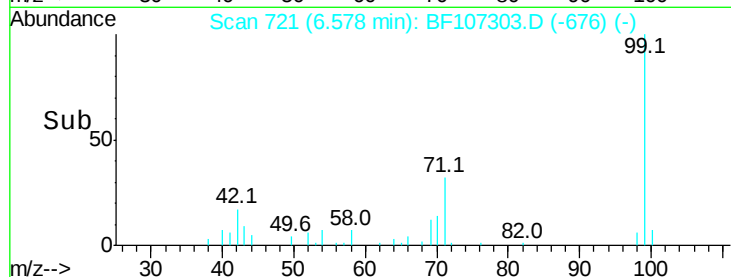
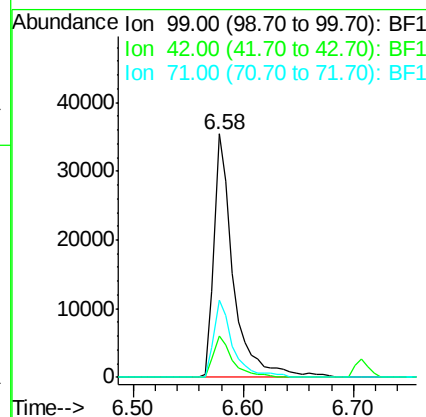
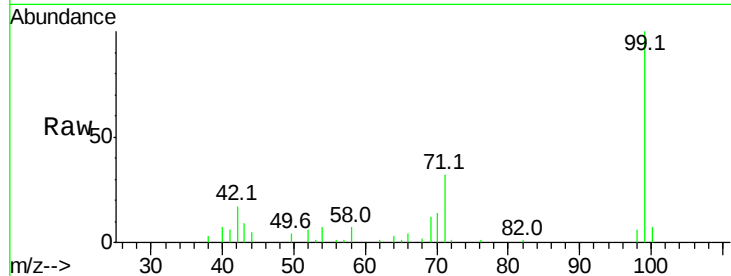
ClientSampleId :

EP-2-4DL

Tot Ion:	99	Resp:	42424
Ion	Ratio	Lower	Upper
99	100		
42	16.8	14.5	21.7
71	31.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

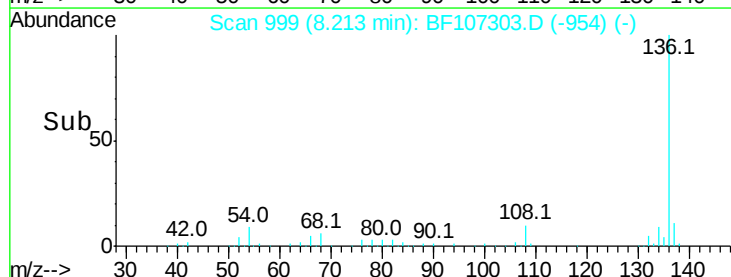
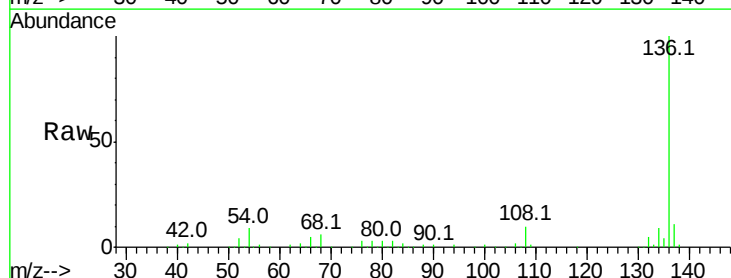
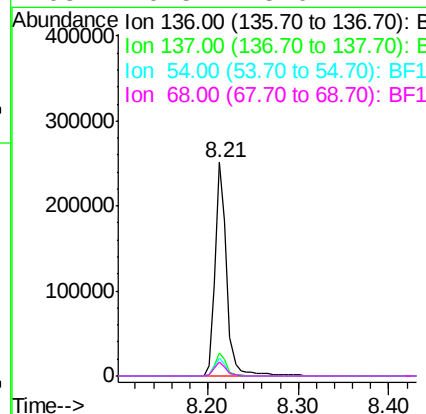
RT: 8.21 min Scan# 999

Delta R.T. -0.04 min

Lab File: BF107303.D

Acq: 11 Jul 2018 16:38

Tgt Ion:	136	Resp:	228025
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	8.5	6.6	9.8
68	6.5	5.0	7.4





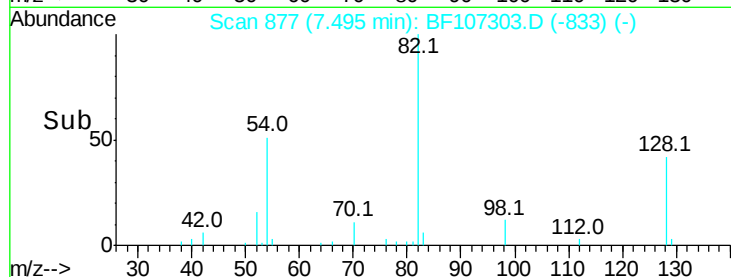
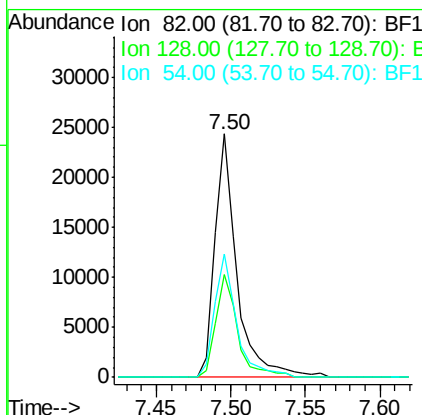
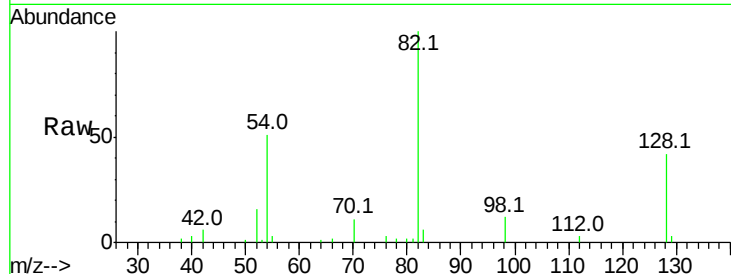
#23
 Nitrobenzene-d5
 Concen: 6.094 ng
 RT: 7.50 min Scan# 877
 Delta R.T. -0.04 min
 Lab File: BF107303.D
 Acq: 11 Jul 2018 16:38

Instrument :
 BNA_F
 ClientSampleId :
 EP-2-4DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.0	36.1	54.1
54	50.7	41.4	62.2

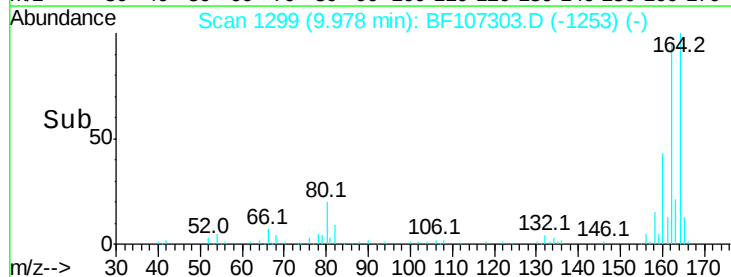
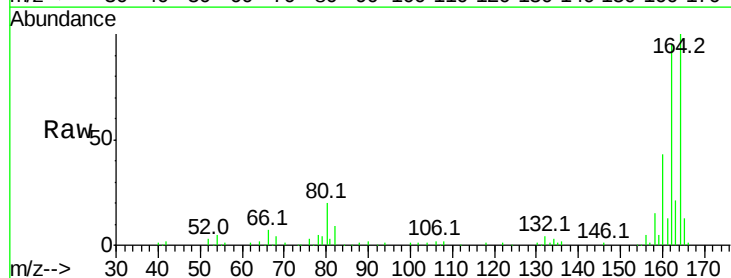
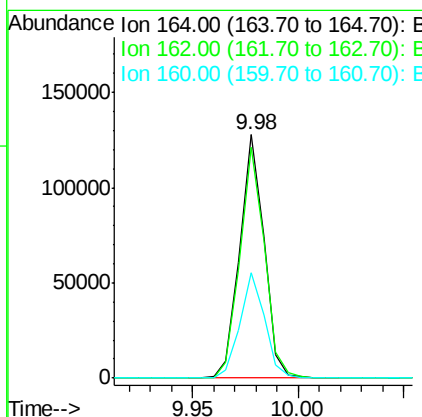
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1299
 Delta R.T. -0.03 min
 Lab File: BF107303.D
 Acq: 11 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.0	86.1	129.1
160	43.1	38.3	57.5





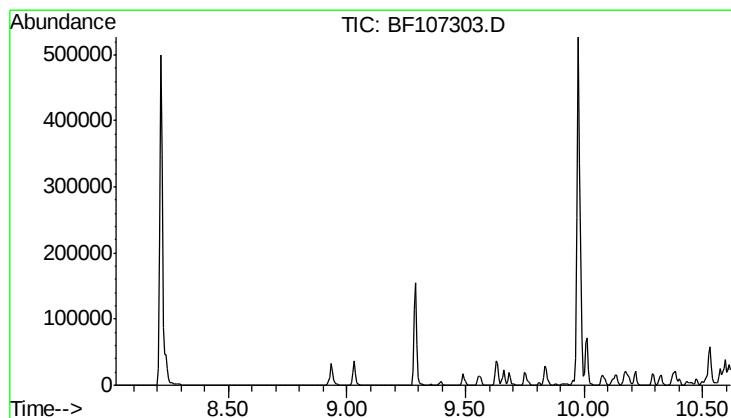
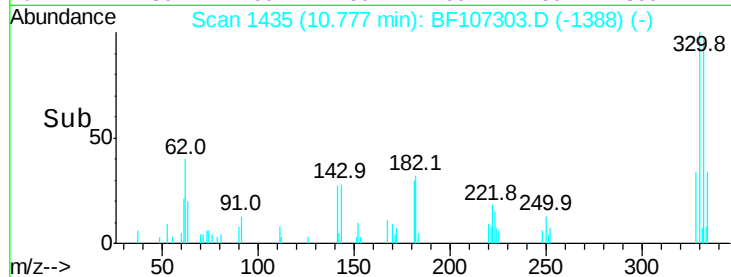
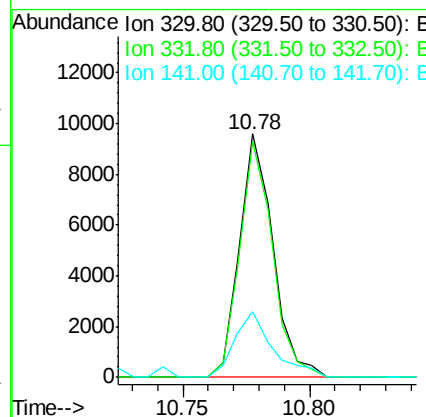
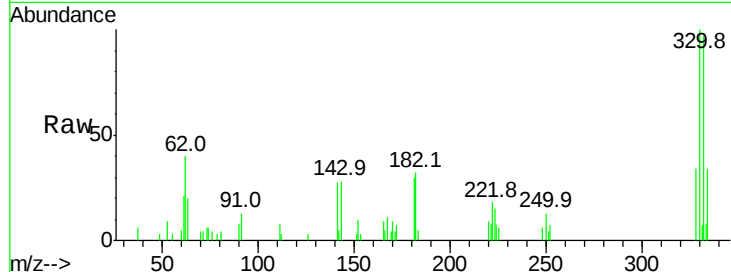
#41
 2,4,6-Tribromophenol
 Concen: 7.492 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. -0.02 min
 Lab File: BF107303.D
 Acq: 11 Jul 2018 16:38

Instrument :
 BNA_F
 ClientSampleId :
 EP-2-4DL

Tot Ion	Ratio	Resp	Lower	Upper
330	100	8818		
332	95.0		77.0	115.6
141	30.7		29.9	44.9

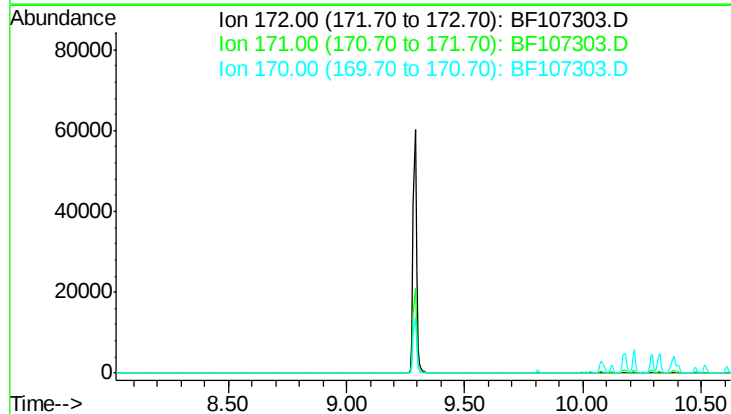
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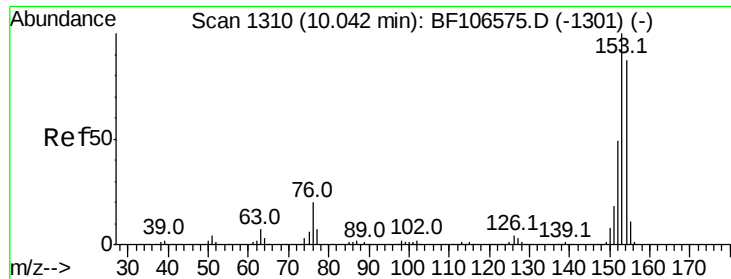
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#44
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 9.32 min
 Lab File: BF107303.D
 Acq: 11 Jul 2018 16:38

Tgt Ion	Exp Ratio
172	100
171	37.1
170	24.5





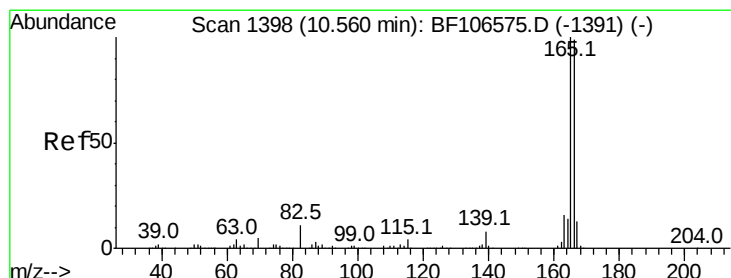
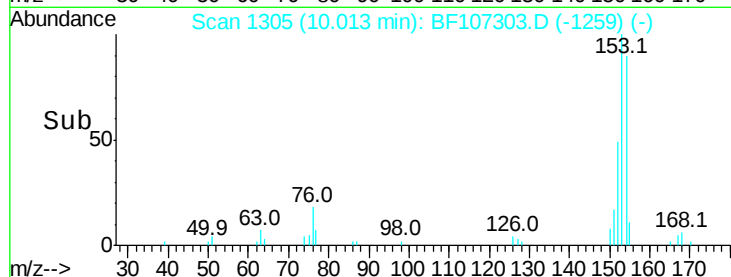
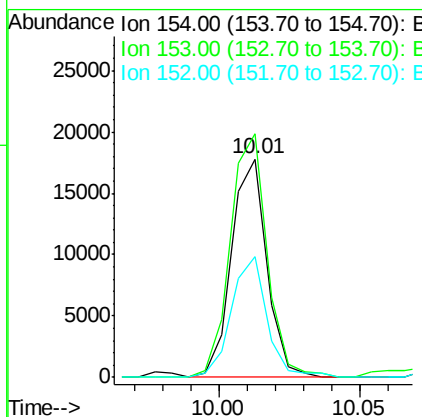
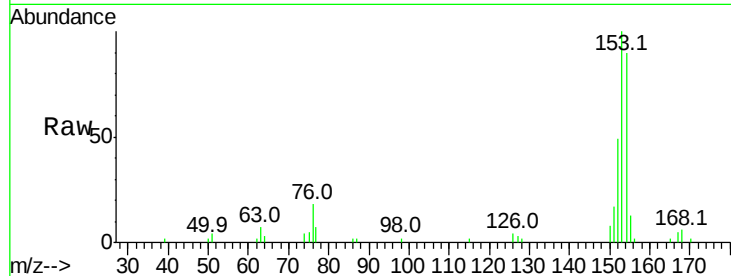
#51
Acenaphthene
Concen: 2.444 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.03 min
Lab File: BF107303.D
Acq: 11 Jul 2018 16:38

Instrument :
BNA_F
ClientSampled :
EP-2-4DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	111.6	91.2	136.8
152	55.2	43.8	65.8

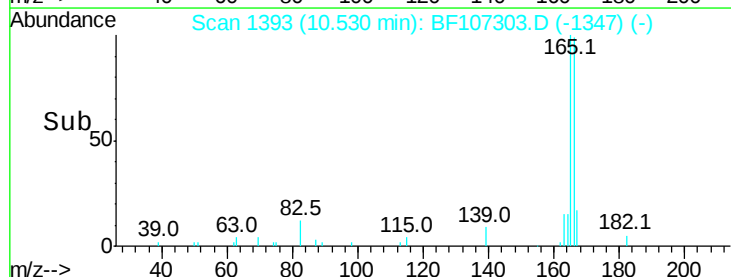
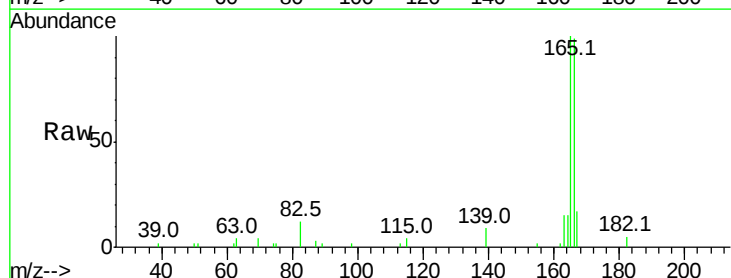
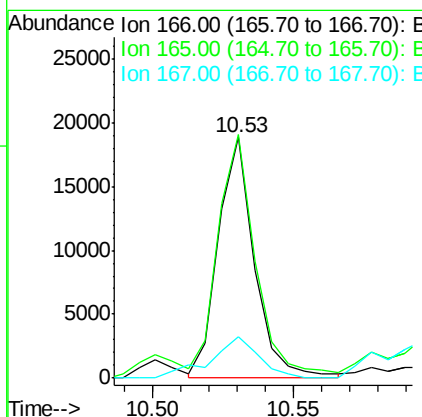
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#57
Fluorene
Concen: 2.453 ng
RT: 10.53 min Scan# 1393
Delta R.T. -0.03 min
Lab File: BF107303.D
Acq: 11 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.2	79.8	119.8
167	17.0	10.6	16.0#





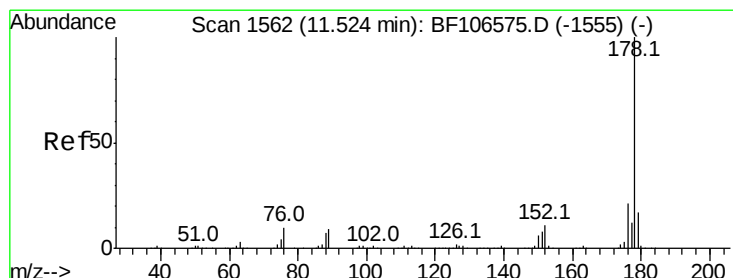
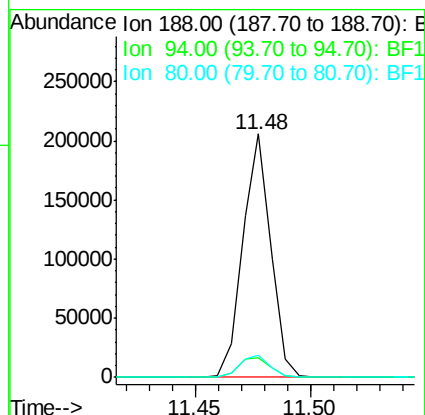
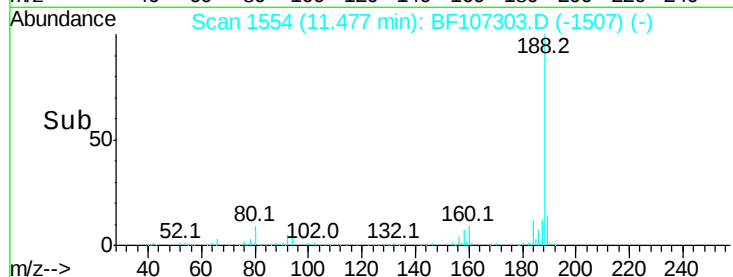
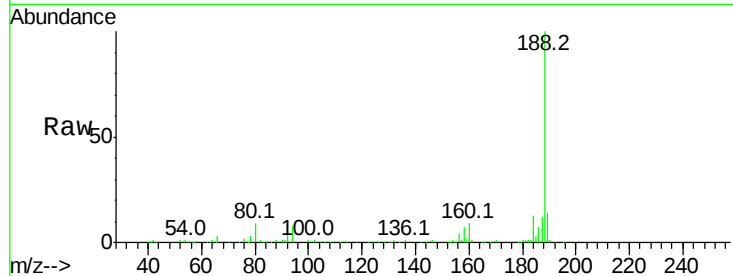
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF107303.D
Acq: 11 Jul 2018 16:38

Instrument :
BNA_F
ClientSampled :
EP-2-4DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.2	8.5	12.7#
80	9.1	9.2	13.8#

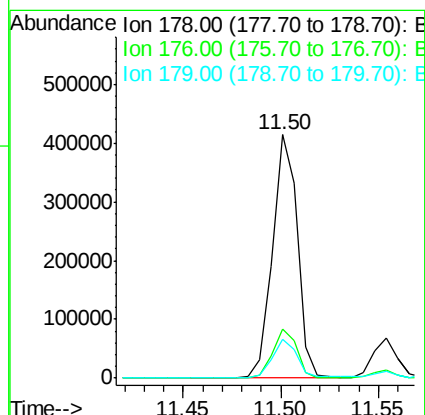
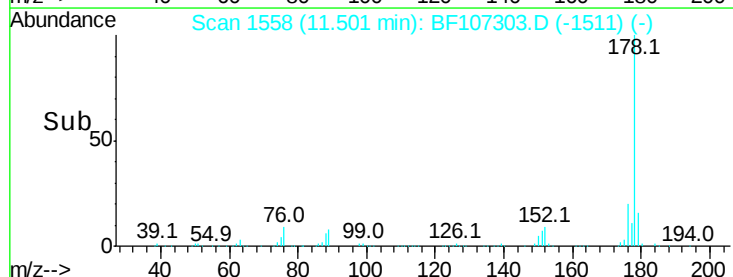
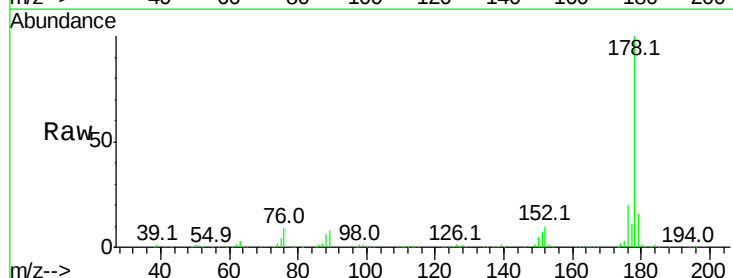
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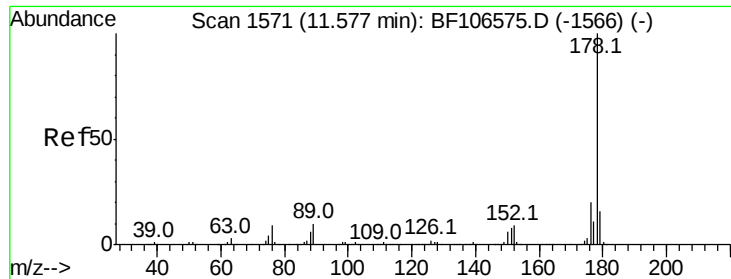
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#70
Phenanthrene
Concen: 43.577 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.02 min
Lab File: BF107303.D
Acq: 11 Jul 2018 16:38

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.8	13.0	19.6





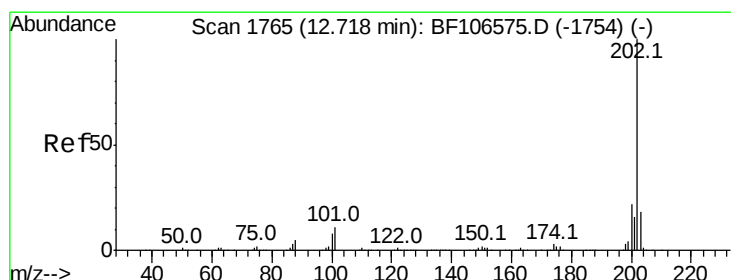
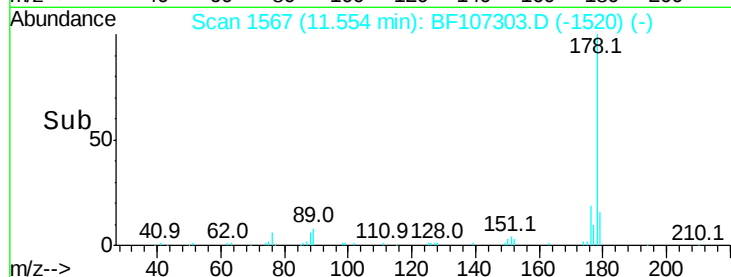
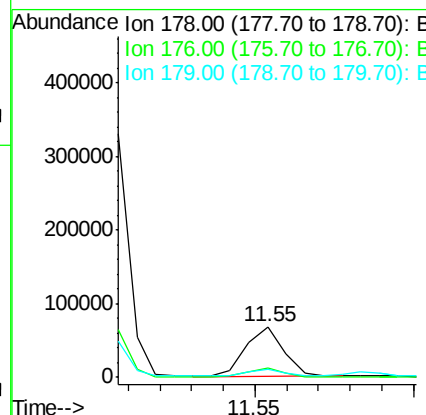
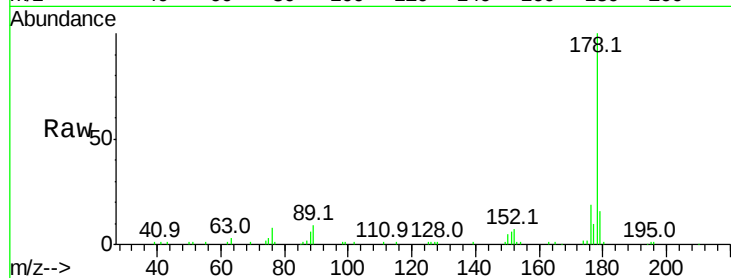
#71
 Anthracene
 Concen: 6.552 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: BF107303.D
 Acq: 11 Jul 2018 16:38

Instrument :
 BNA_F
 ClientSampleId :
 EP-2-4DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	16.0	12.6	19.0

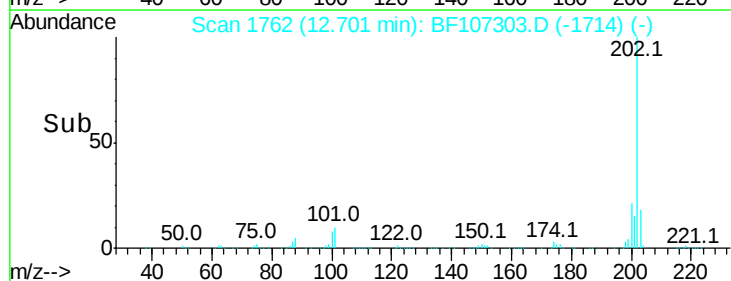
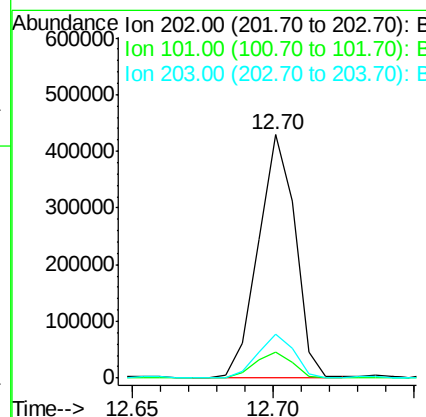
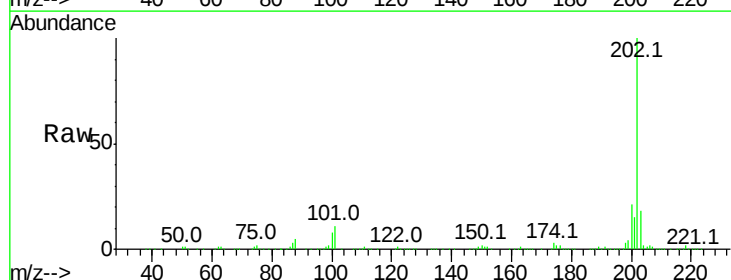
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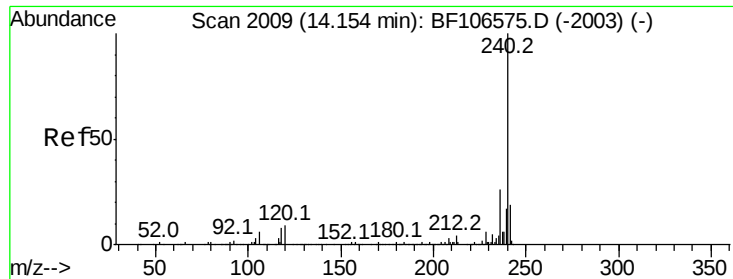
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#74
 Fluoranthene
 Concen: 42.217 ng
 RT: 12.70 min Scan# 1762
 Delta R.T. -0.02 min
 Lab File: BF107303.D
 Acq: 11 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107303.D

Acq: 11 Jul 2018 16:38

Instrument :

BNA_F

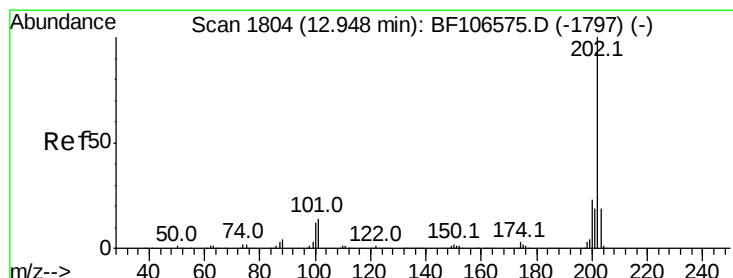
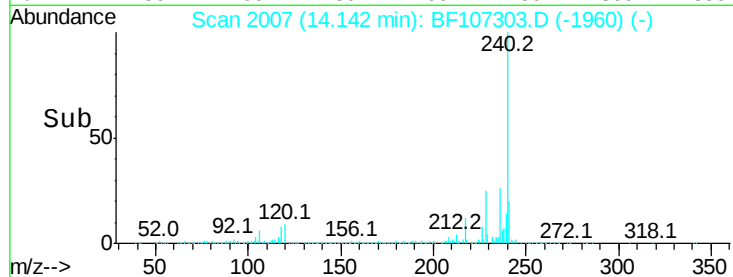
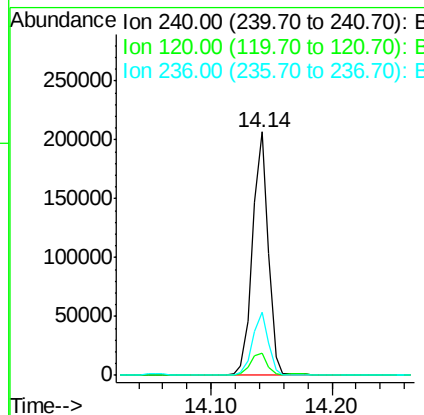
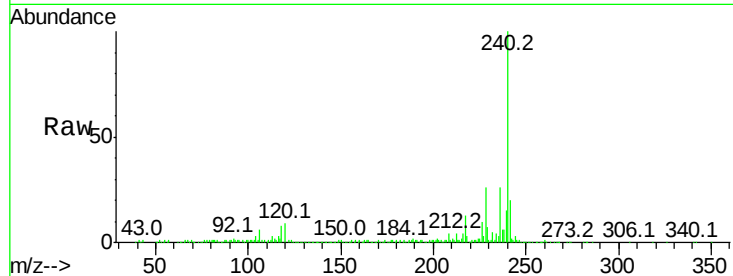
ClientSampleId :

EP-2-4DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.1	9.5	14.3#
236	26.0	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 42.532 ng

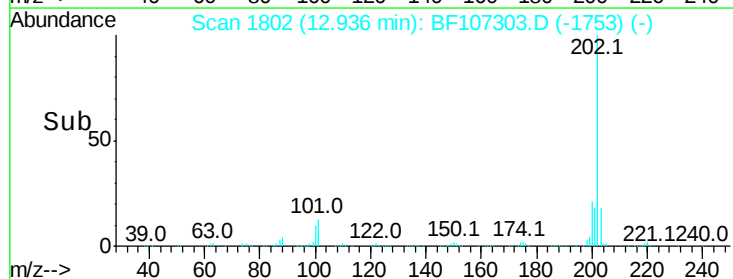
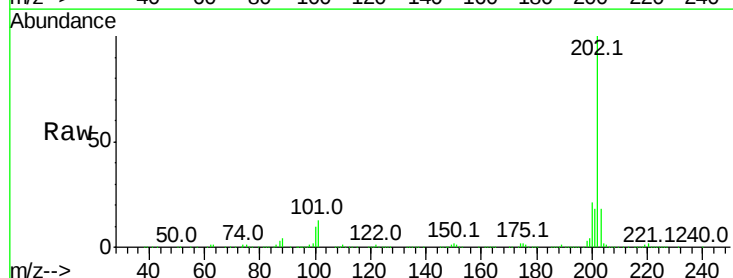
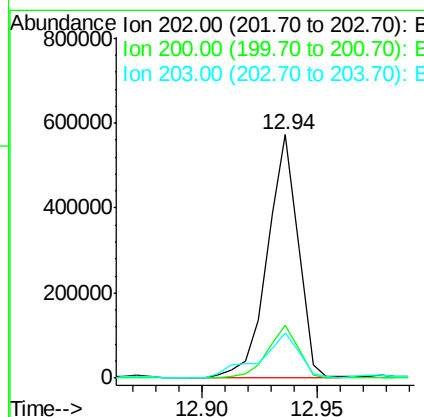
RT: 12.94 min Scan# 1802

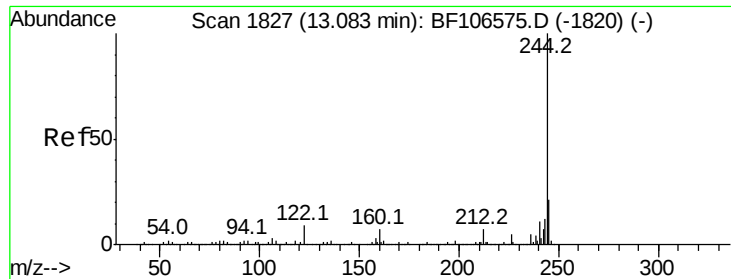
Delta R.T. -0.01 min

Lab File: BF107303.D

Acq: 11 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	18.4	14.3	21.5





#78

Terphenyl-d14

Concen: 6.527 ng

RT: 13.06 min Scan# 1823

Delta R.T. -0.02 min

Lab File: BF107303.D

Acq: 11 Jul 2018 16:38

Instrument :

BNA_F

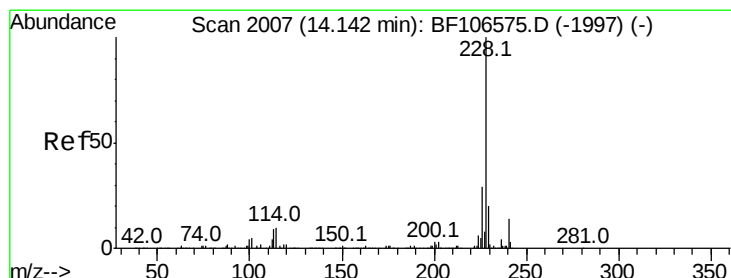
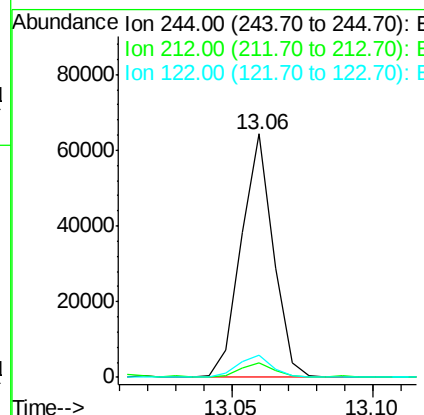
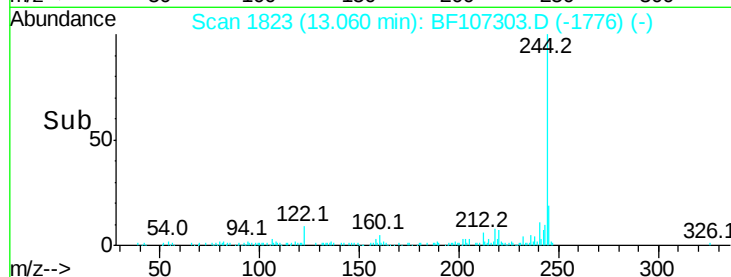
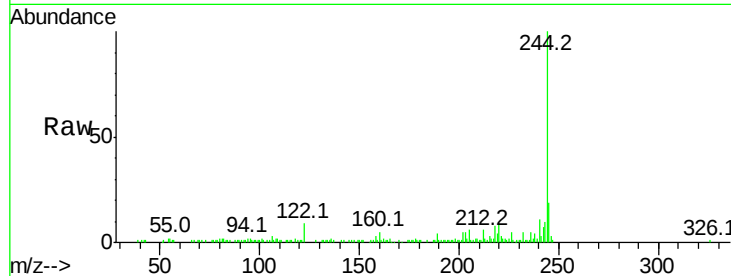
ClientSampleId :

EP-2-4DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.4	8.0
122	9.3	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 27.979 ng

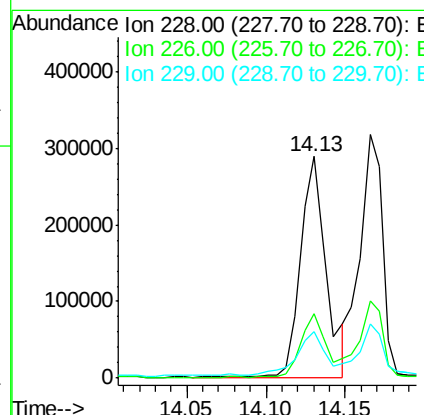
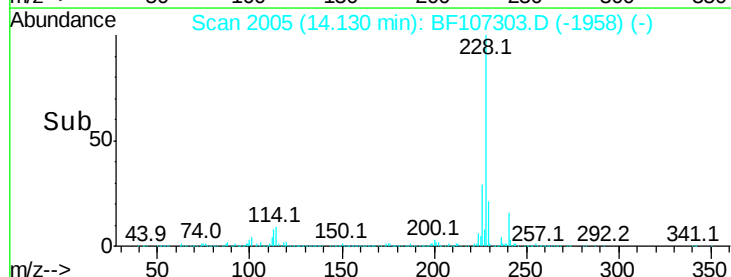
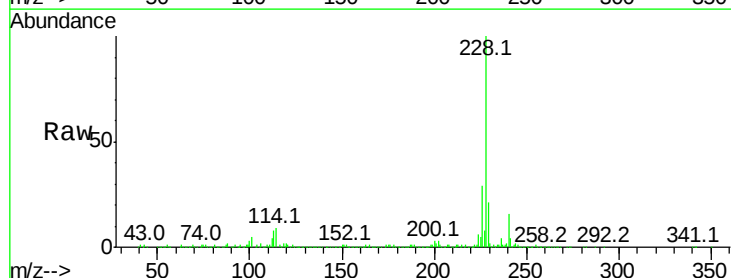
RT: 14.13 min Scan# 2005

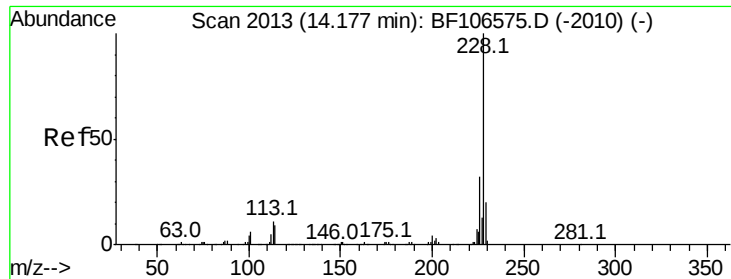
Delta R.T. -0.02 min

Lab File: BF107303.D

Acq: 11 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	21.3	15.8	23.6





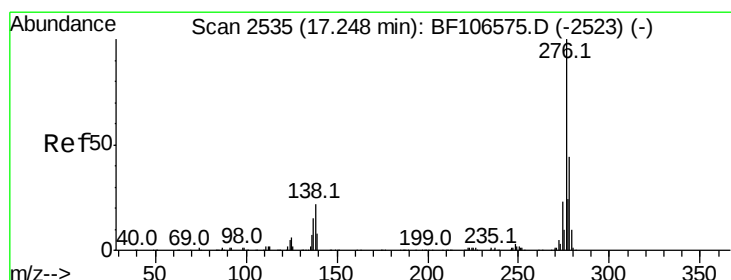
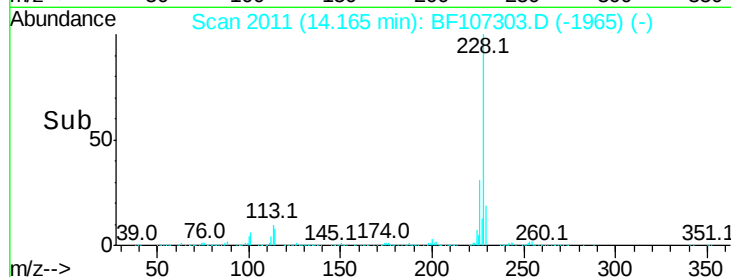
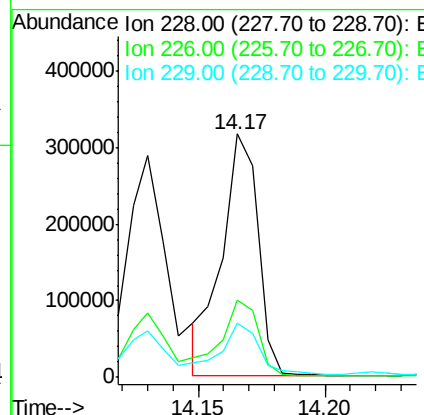
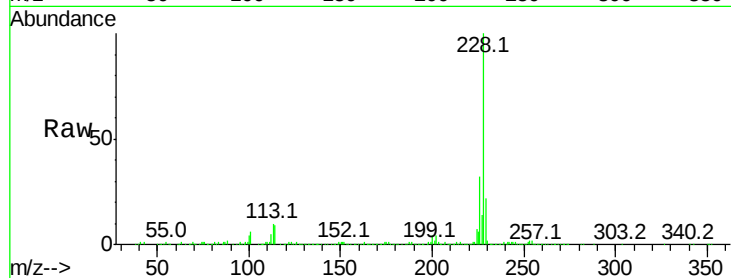
#82
Chrysene
Concen: 29.920 ng
RT: 14.17 min Scan# 2011
Delta R.T. -0.03 min
Lab File: BF107303.D
Acq: 11 Jul 2018 16:38

Instrument :
BNA_F
ClientSampleId :
EP-2-4DL

Tot Ion:	228	Resp:	315294
Ion Ratio	Lower	Upper	
228	100		
226	31.8	25.0	37.6
229	22.0	16.2	24.4

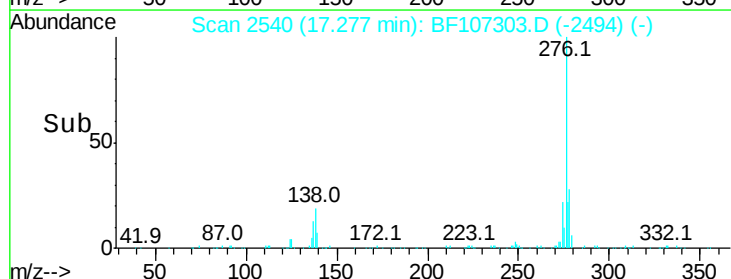
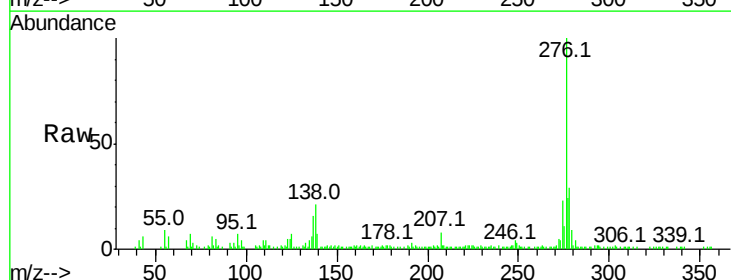
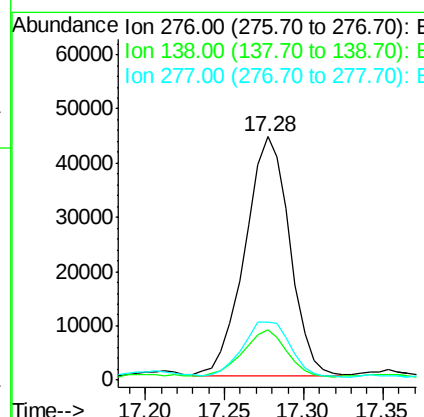
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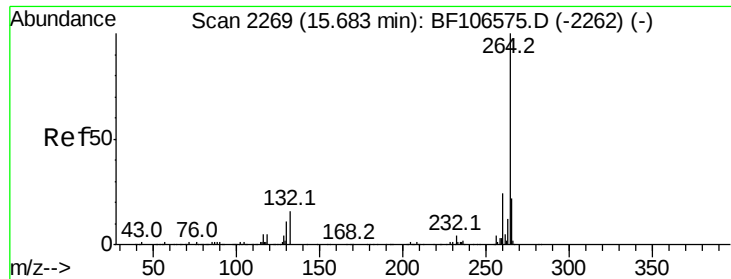
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#85
Indeno(1,2,3-cd)pyrene
Concen: 9.675 ng
RT: 17.28 min Scan# 2540
Delta R.T. -0.03 min
Lab File: BF107303.D
Acq: 11 Jul 2018 16:38

Tgt Ion:	276	Resp:	86521
Ion Ratio	Lower	Upper	
276	100		
138	19.3	25.0	37.6#
277	24.5	20.1	30.1





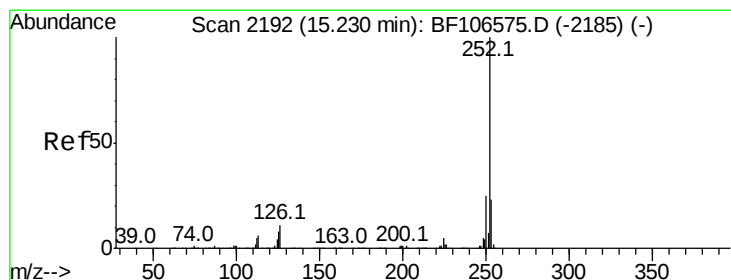
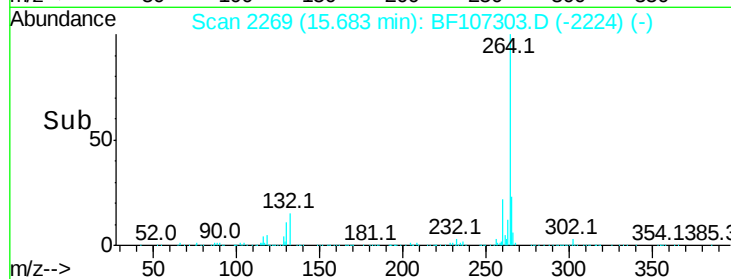
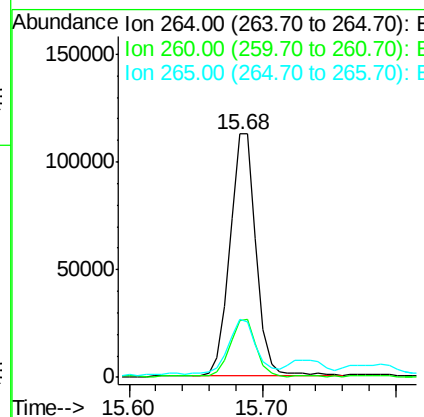
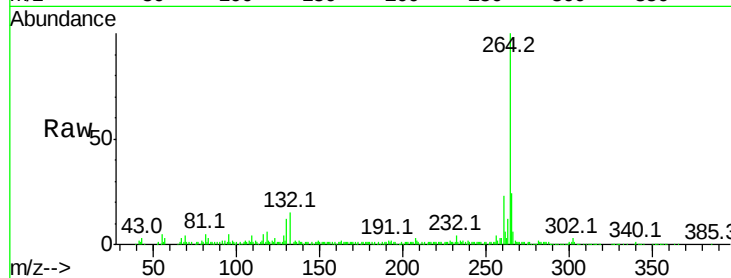
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.04 min
Lab File: BF107303.D
Acq: 11 Jul 2018 16:38

Instrument :
BNA_F
ClientSampleId :
EP-2-4DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	24.1	17.5	26.3

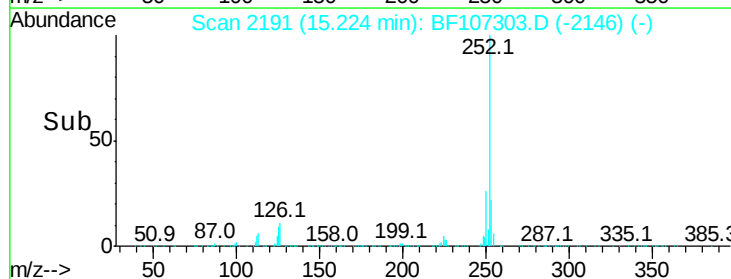
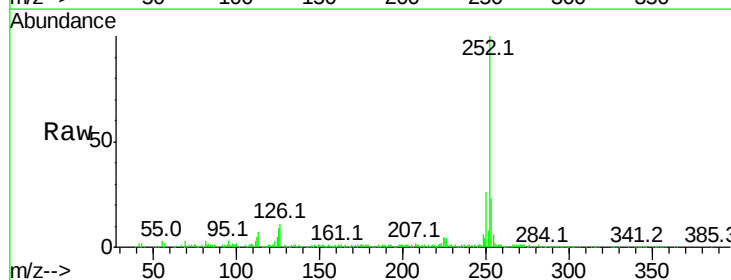
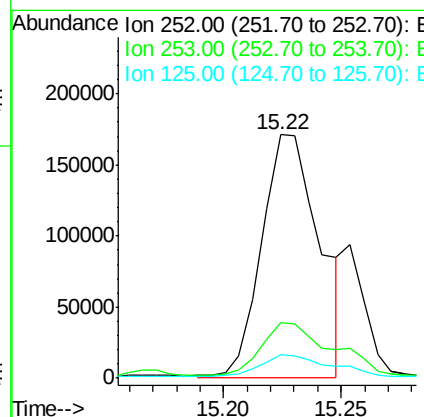
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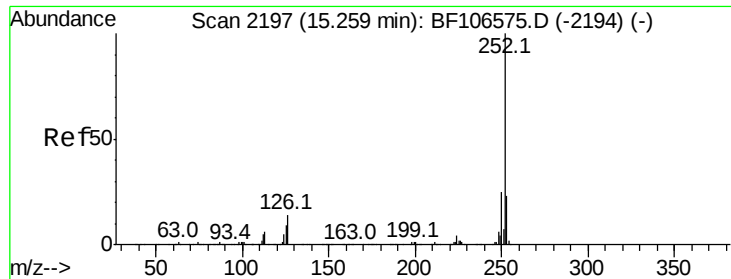
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#87
Benzo(b)fluoranthene
Concen: 30.453 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF107303.D
Acq: 11 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	9.5	9.0	13.6





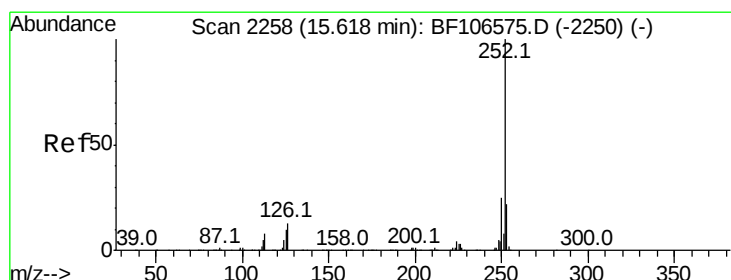
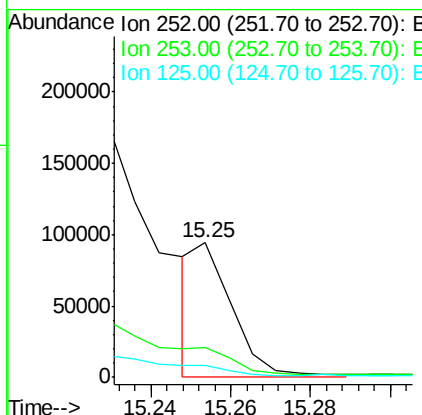
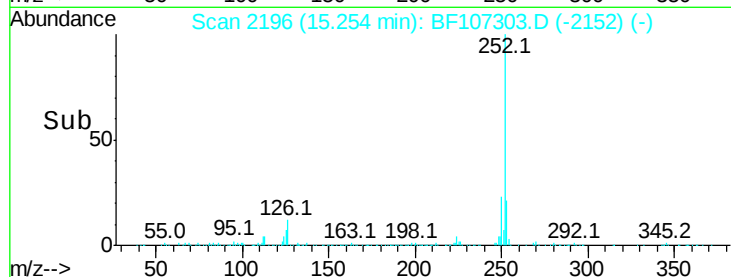
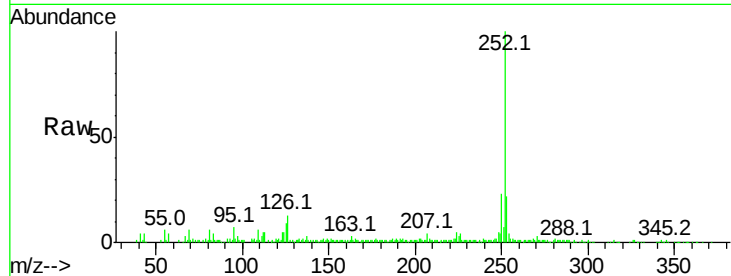
#88
Benzo(k)fluoranthene
Concen: 6.803 ng m
RT: 15.25 min Scan# 2196
Delta R.T. -0.04 min
Lab File: BF107303.D
Acq: 11 Jul 2018 16:38

Instrument :
BNA_F
ClientSampled :
EP-2-4DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	8.5	10.2	15.2#

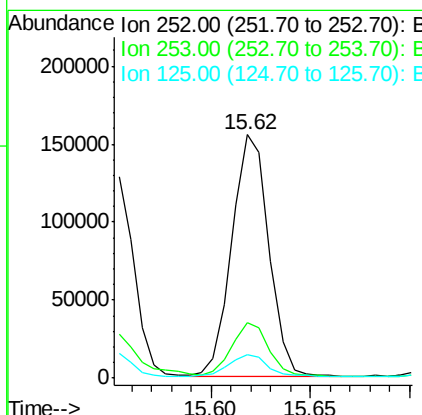
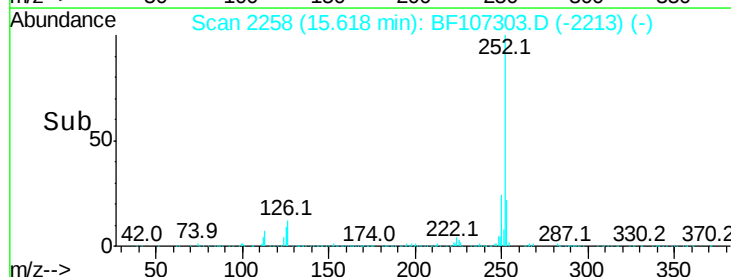
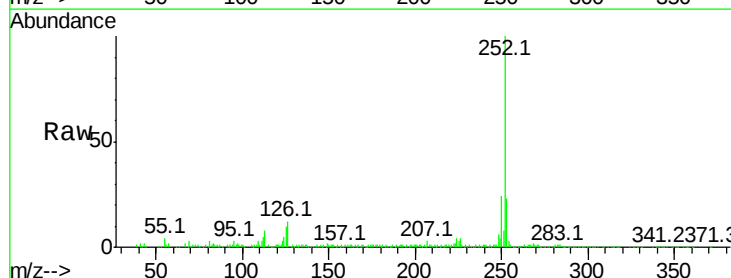
Manual Integrations
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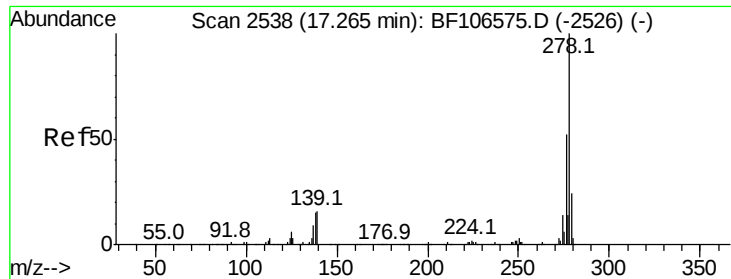
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#89
Benzo(a)pyrene
Concen: 23.308 ng m
RT: 15.62 min Scan# 2258
Delta R.T. -0.04 min
Lab File: BF107303.D
Acq: 11 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	9.7	9.8	14.6#





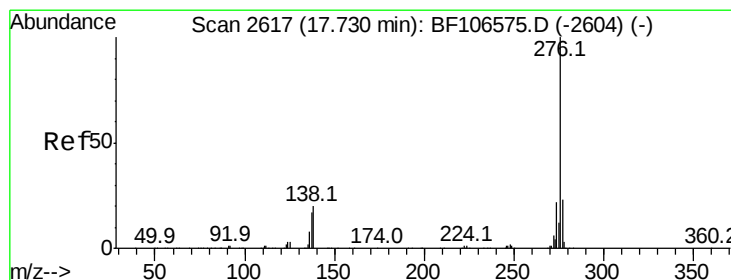
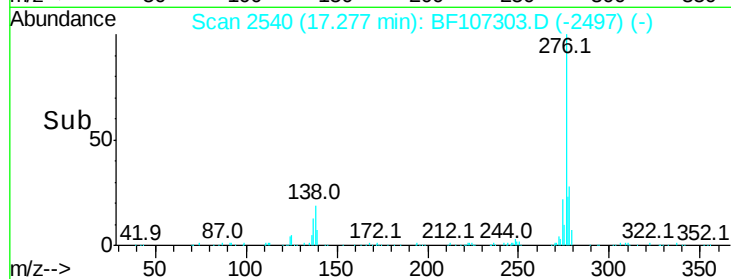
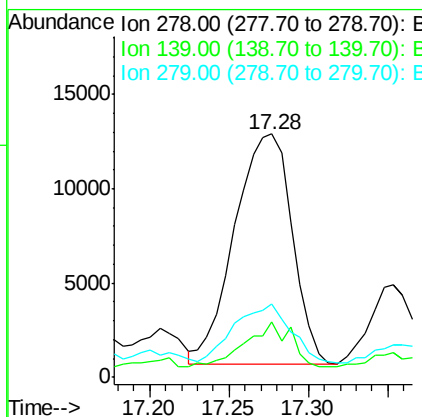
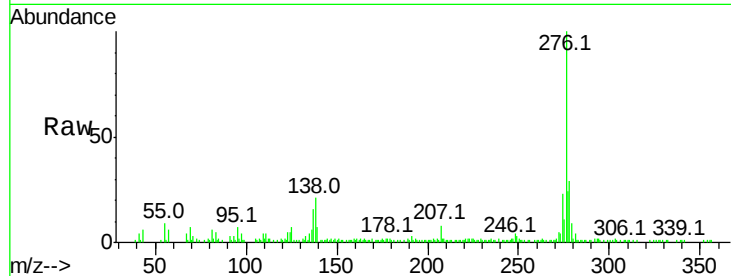
#90
Dibenzo(a,h)anthracene
Concen: 4.226 ng m
RT: 17.28 min Scan# 2540
Delta R.T. -0.05 min
Lab File: BF107303.D
Acq: 11 Jul 2018 16:38

Instrument :
BNA_F
ClientSampleId :
EP-2-4DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.9	15.9	23.9
279	30.1	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 14.753 ng
RT: 17.77 min Scan# 2623
Delta R.T. -0.02 min
Lab File: BF107303.D
Acq: 11 Jul 2018 16:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	17.9	26.9
138	18.7	21.8	32.8

