

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
 Data File : BF107304.D
 Acq On : 11 Jul 2018 17:05
 Operator : JU/SJ
 Sample : J3933-03DL 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EP-3-6DL

Manual Integrations
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Quant Time: Jul 11 18:01:37 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	60801	20.00	ng	-0.03
21) Naphthalene-d8	8.21	136	237897	20.00	ng	-0.04
38) Acenaphthene-d10	9.98	164	111898	20.00	ng	-0.03
63) Phenanthrene-d10	11.48	188	191885	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	187424	20.00	ng	-0.03
86) Perylene-d12	15.68	264	170531	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	44966	12.52	ng	-0.03
7) Phenol-d6	6.58	99	58690	13.09	ng	-0.04
23) Nitrobenzene-d5	7.50	82	34842	8.14	ng	-0.04
41) 2,4,6-Tribromophenol	10.78	330	13251	10.22	ng	-0.02
44) 2-Fluorobiphenyl	0.00	172	0d	0.00	ng	
78) Terphenyl-d14	13.06	244	60002	7.75	ng	-0.02
Target Compounds						
70) Phenanthrene	11.50	178	190415	20.574	ng	Qvalue 99
71) Anthracene	11.55	178	47933	5.074	ng	99
74) Fluoranthene	12.70	202	409485	40.142	ng	95
77) Pyrene	12.94	202	433552	35.079	ng	99
80) Benzo(a)anthracene	14.13	228	264943	23.194	ng	98
82) Chrysene	14.17	228	243654	23.185	ng	98
85) Indeno(1,2,3-cd)pyrene	17.27	276	93036m	10.432	ng	
87) Benzo(b)fluoranthene	15.22	252	296239m	27.965	ng	
88) Benzo(k)fluoranthene	15.25	252	84978m	8.424	ng	
89) Benzo(a)pyrene	15.62	252	204653m	21.732	ng	
90) Dibenzo(a,h)anthracene	17.27	278	25526m	3.198	ng	
91) Benzo(a,h,i)perylene	17.76	276	87659	11.237	ng	# 87

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

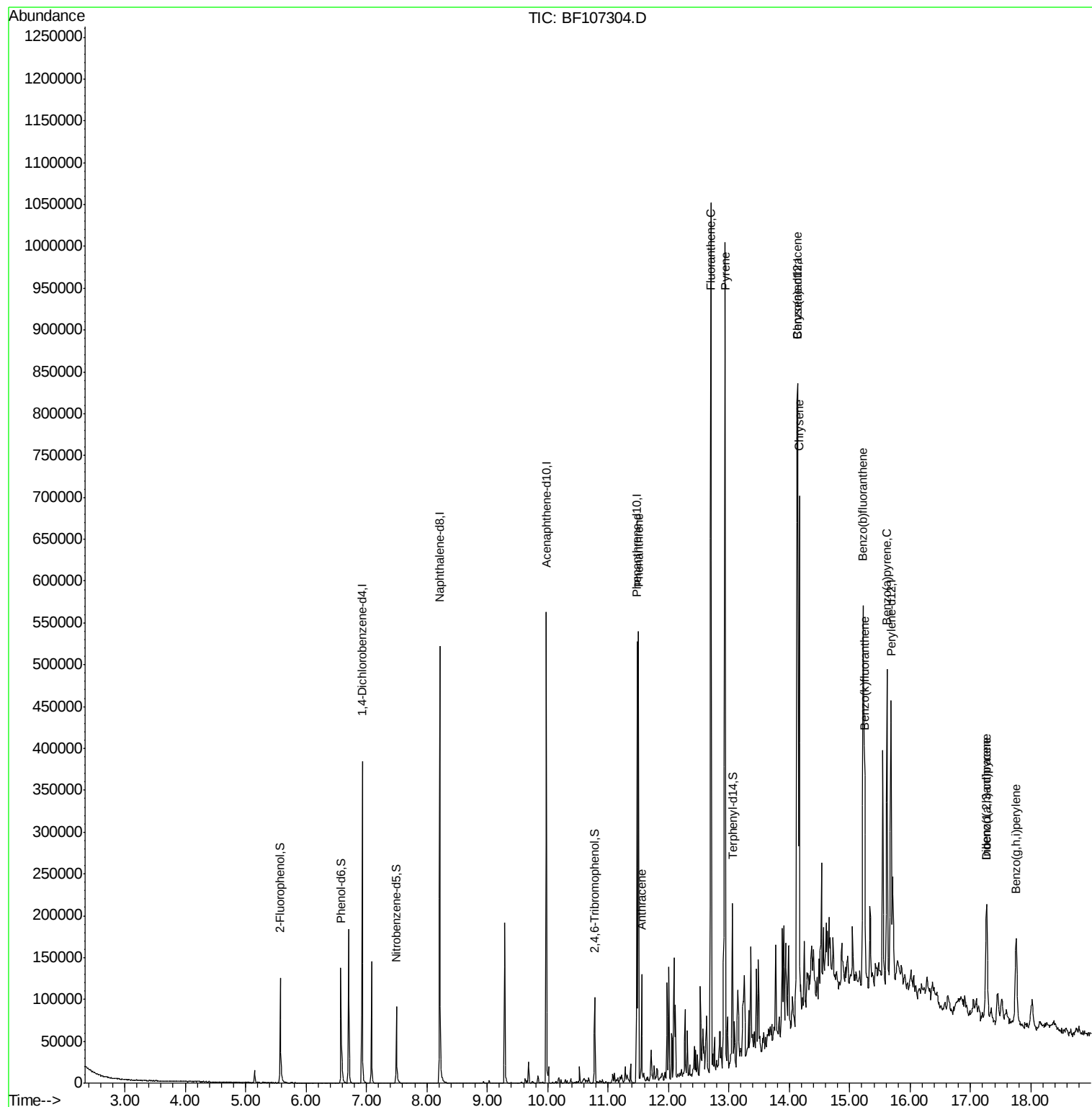
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071118\
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#1

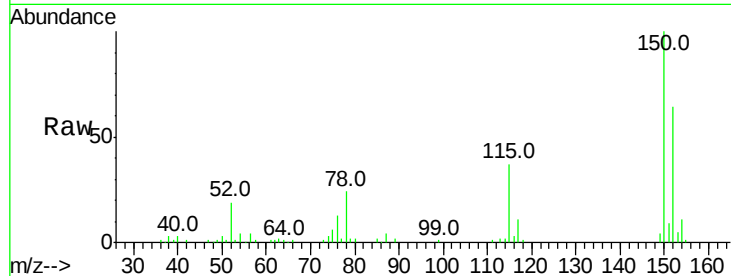
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 781
Delta R.T. -0.03 min
Lab File: BF107304.D
Acq: 11 Jul 2018 17:05

Instrument :
BNA_F
ClientSampled :
EP-3-6DL

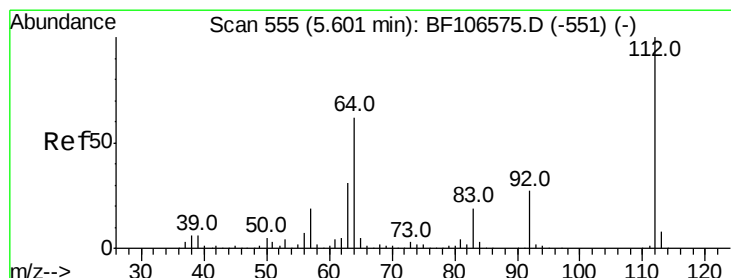
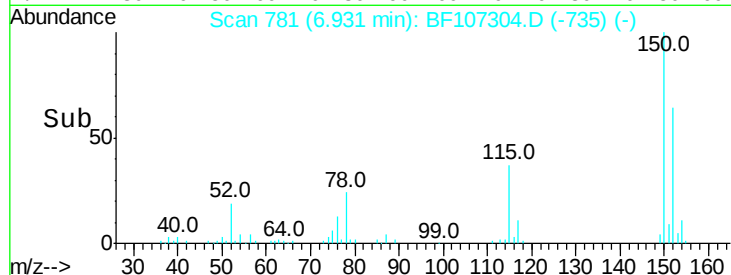
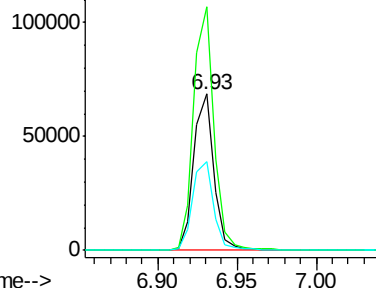
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.6	186.8
115	57.0	50.1	75.1

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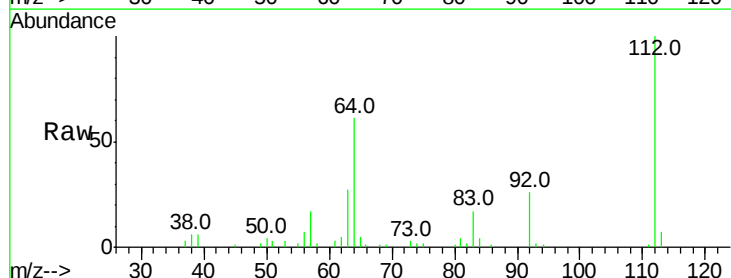
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



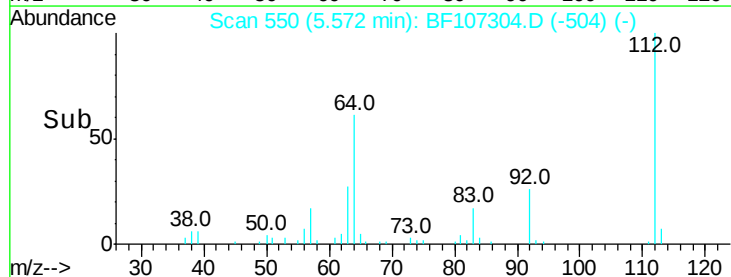
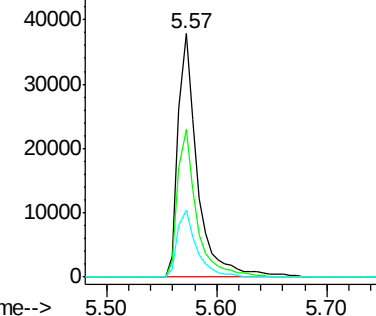
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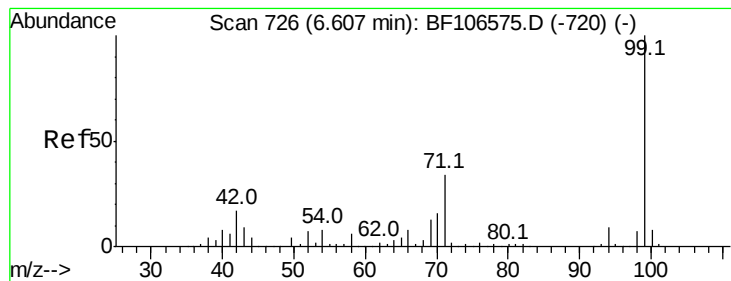
2-Fluorophenol
Concen: 12.523 ng
RT: 5.57 min Scan# 550
Delta R.T. -0.03 min
Lab File: BF107304.D
Acq: 11 Jul 2018 17:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	47.9	71.9
63	27.4	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: 13.089 ng

RT: 6.58 min Scan# 721

Delta R.T. -0.04 min

Lab File: BF107304.D

Acq: 11 Jul 2018 17:05

Instrument :

BNA_F

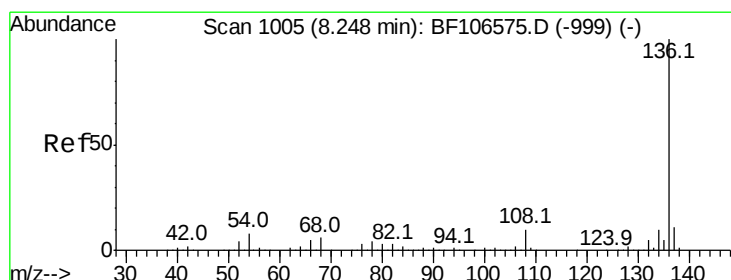
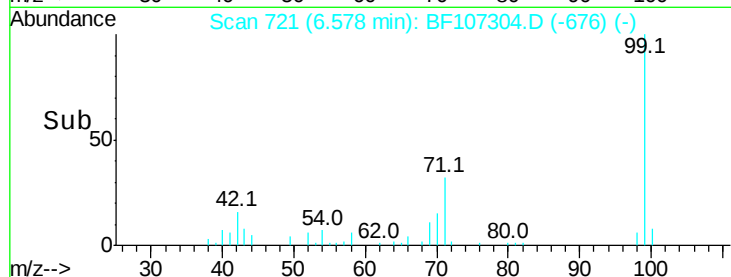
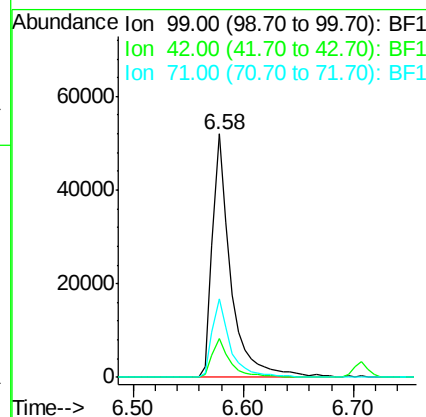
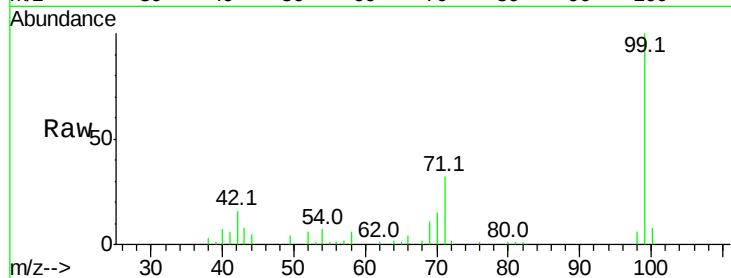
ClientSampled :

EP-3-6DL

Tot Ion:	99	Resp:	58690
Ion Ratio	Lower	Upper	
99	100		
42	16.0	14.5	21.7
71	32.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

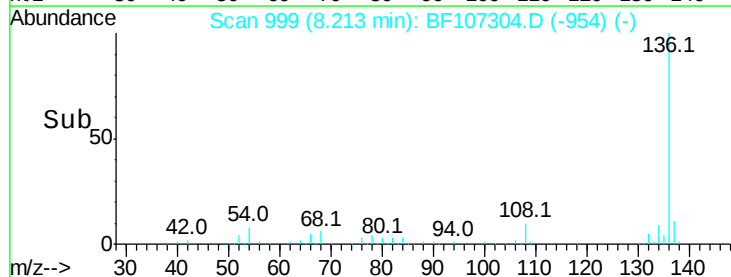
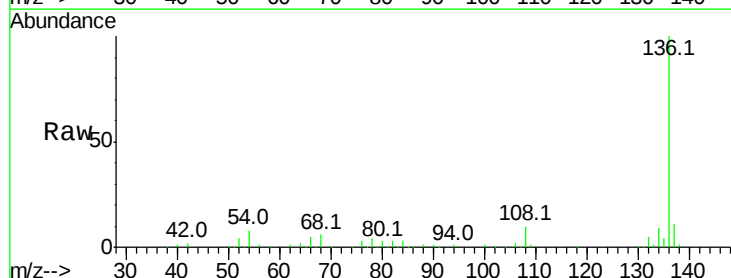
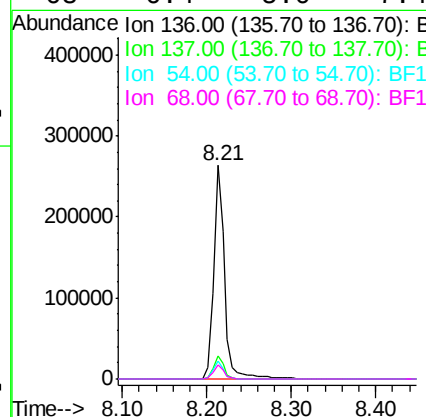
RT: 8.21 min Scan# 999

Delta R.T. -0.04 min

Lab File: BF107304.D

Acq: 11 Jul 2018 17:05

Tgt Ion:	136	Resp:	237897
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	8.3	6.6	9.8
68	6.4	5.0	7.4





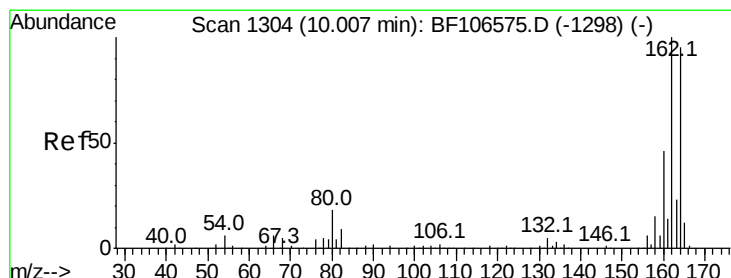
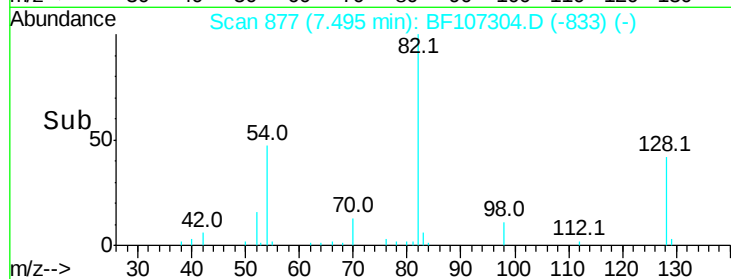
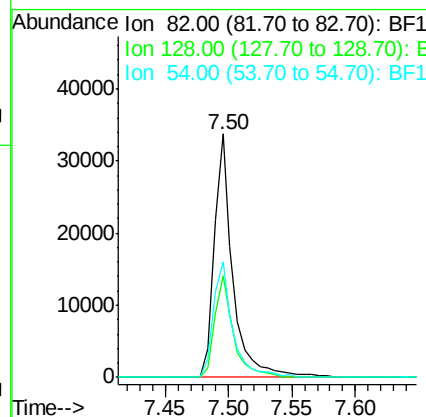
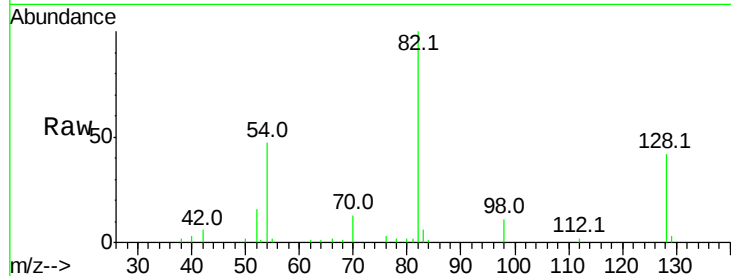
#23
Nitrobenzene-d5
Concen: 8.139 ng
RT: 7.50 min Scan# 877
Delta R.T. -0.04 min
Lab File: BF107304.D
Acq: 11 Jul 2018 17:05

Instrument :
BNA_F
ClientSampled :
EP-3-6DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.7	36.1	54.1
54	47.3	41.4	62.2

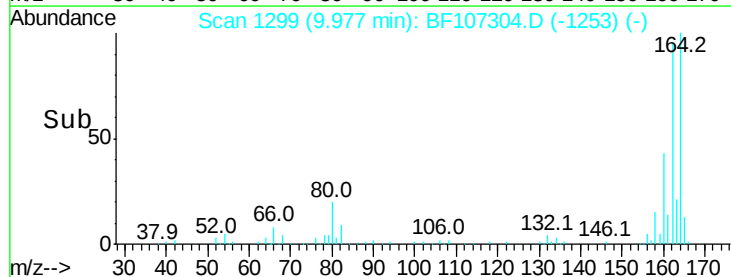
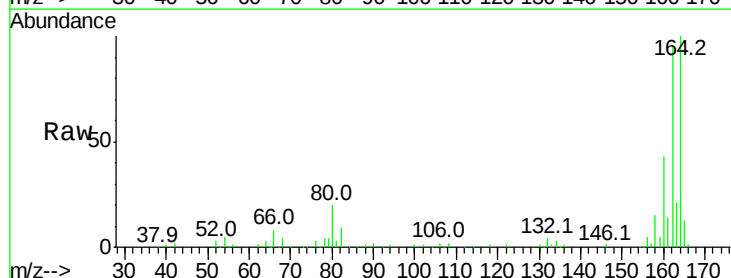
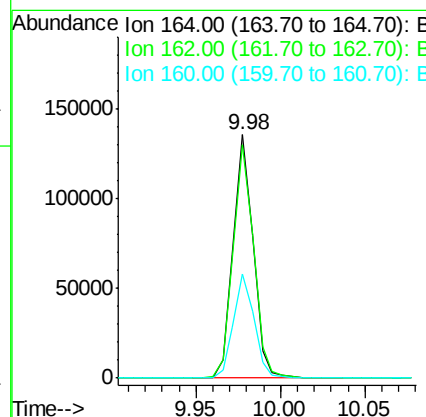
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1299
Delta R.T. -0.03 min
Lab File: BF107304.D
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Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.0	86.1	129.1
160	42.8	38.3	57.5





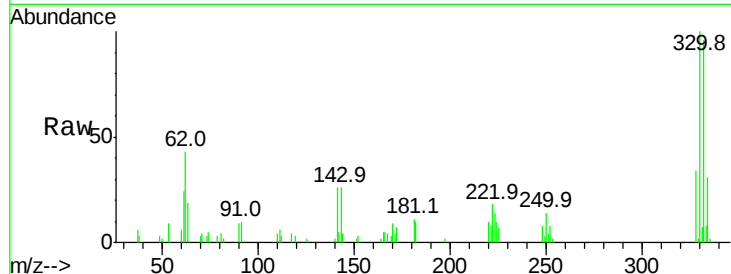
#41
 2,4,6-Tribromophenol
 Concen: 10.217 ng
 RT: 10.78 min Scan# 1435
 Delta R.T. -0.02 min
 Lab File: BF107304.D
 Acq: 11 Jul 2018 17:05

Instrument :
 BNA_F
 ClientSampleId :
 EP-3-6DL

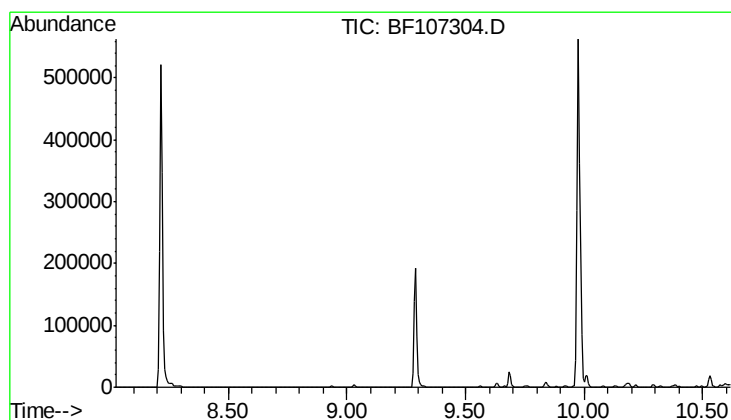
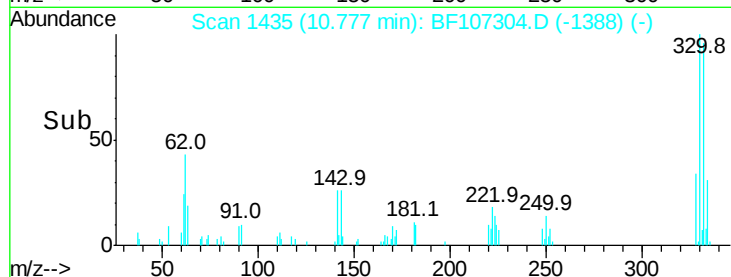
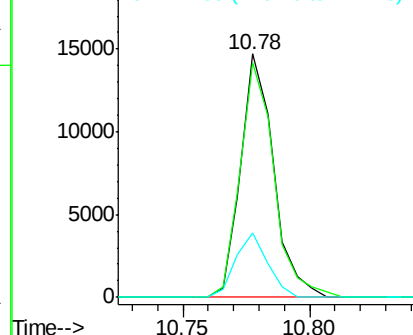
Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	99.6	77.0	115.6
141	25.8	29.9	44.9#

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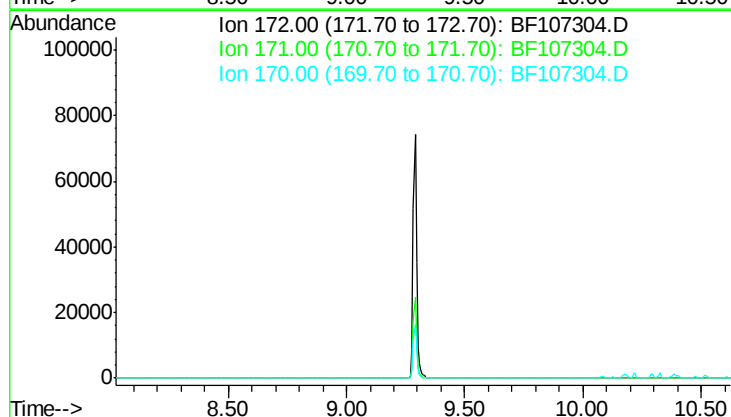


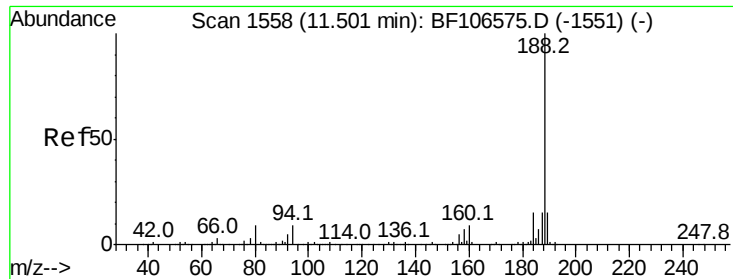
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 9.32 min
 Lab File: BF107304.D
 Acq: 11 Jul 2018 17:05

Tgt Ion	Exp Ratio
172	100
171	37.1
170	24.5





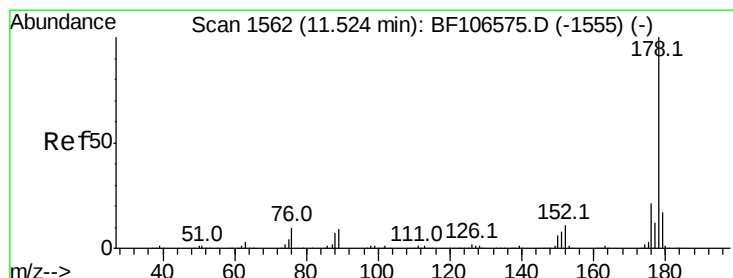
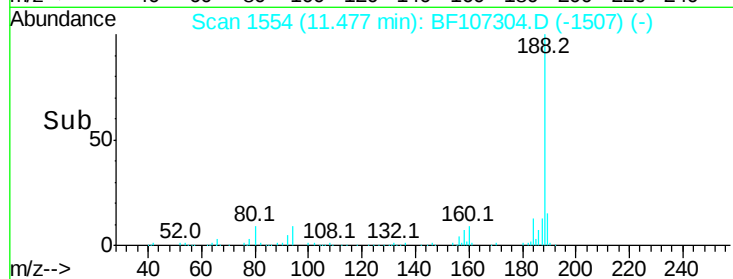
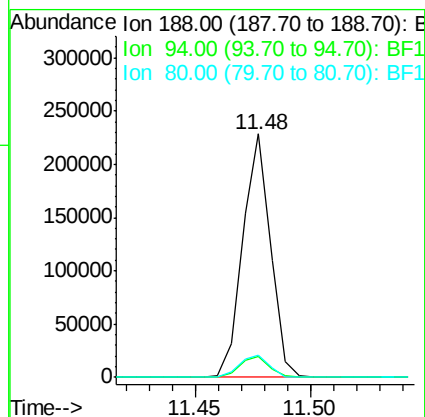
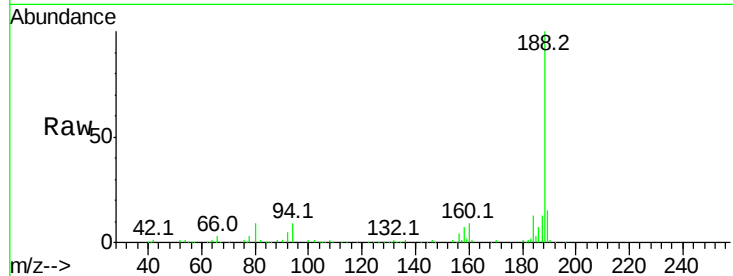
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF107304.D
Acq: 11 Jul 2018 17:05

Instrument :
BNA_F
ClientSampleId :
EP-3-6DL

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.7	8.5	12.7
80	9.3	9.2	13.8

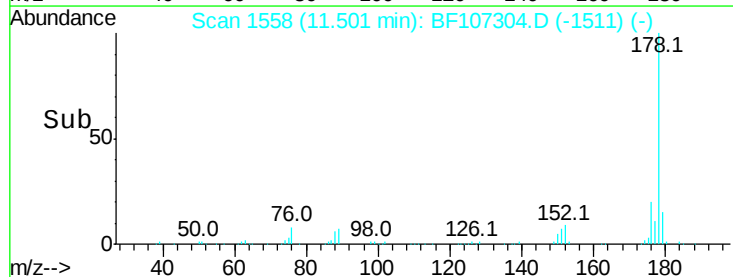
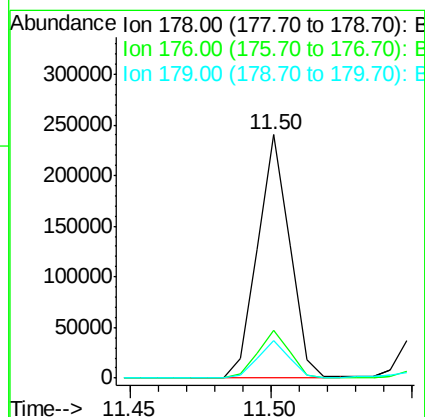
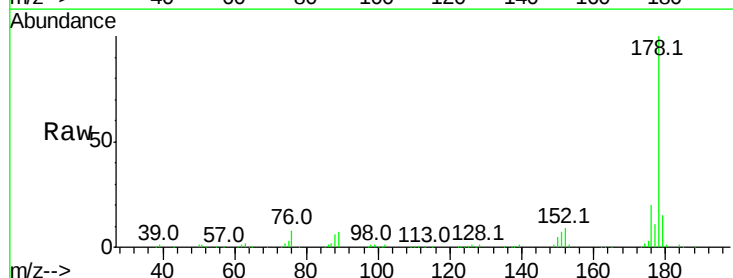
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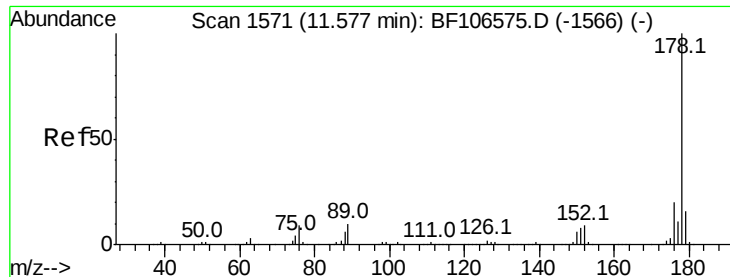
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#70
Phenanthrene
Concen: 20.574 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.02 min
Lab File: BF107304.D
Acq: 11 Jul 2018 17:05

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.6	15.8	23.8
179	15.3	13.0	19.6





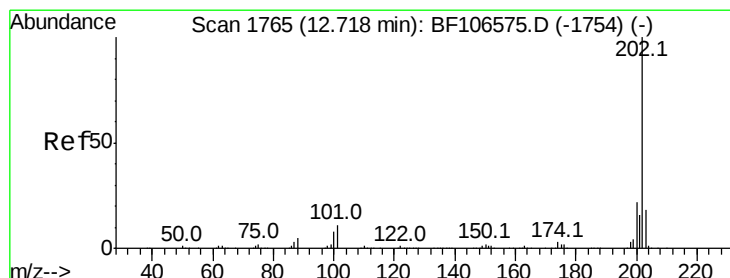
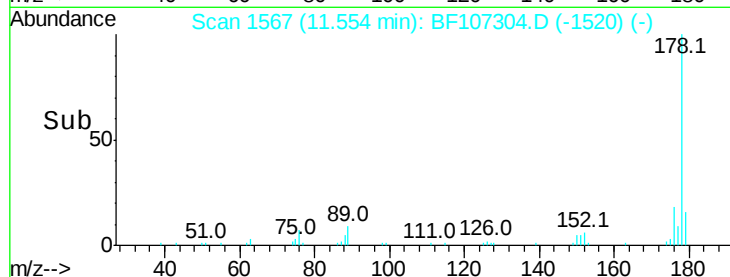
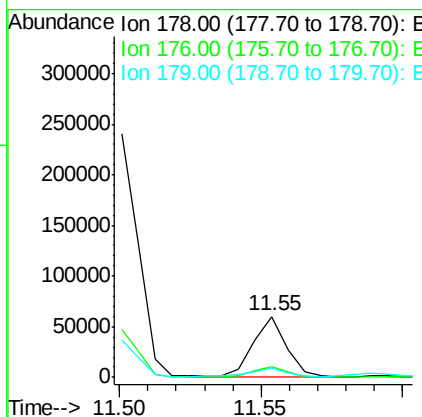
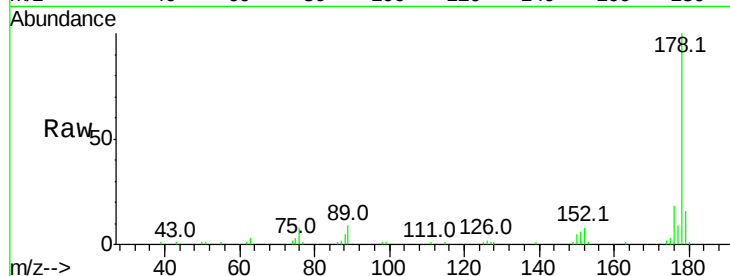
#71
 Anthracene
 Concen: 5.074 ng
 RT: 11.55 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: BF107304.D
 Acq: 11 Jul 2018 17:05

Instrument :
 BNA_F
 ClientSampleId :
 EP-3-6DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	15.9	12.6	19.0

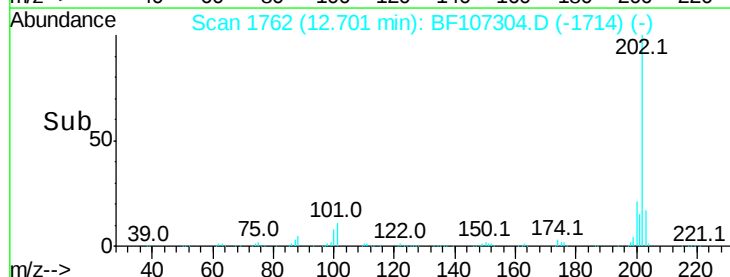
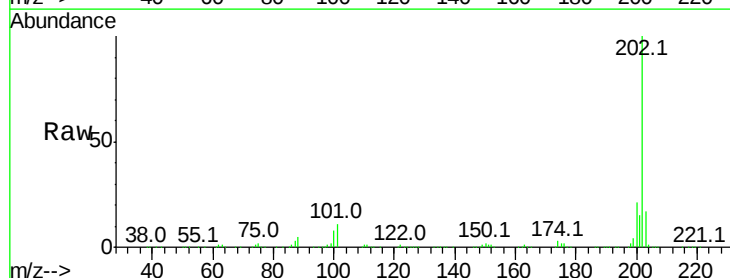
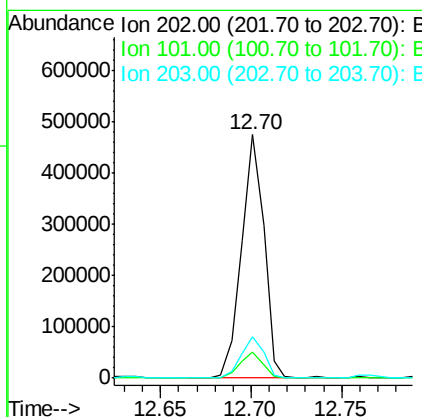
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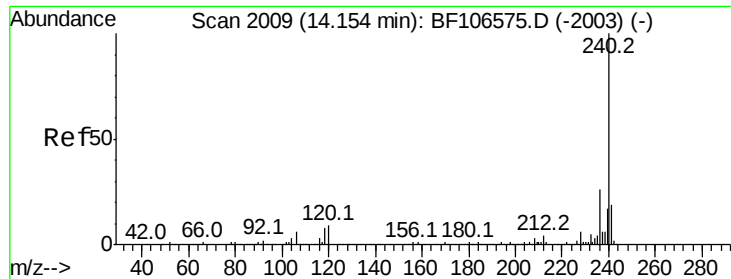
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#74
 Fluoranthene
 Concen: 40.142 ng
 RT: 12.70 min Scan# 1762
 Delta R.T. -0.02 min
 Lab File: BF107304.D
 Acq: 11 Jul 2018 17:05

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	34.1
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.03 min

Lab File: BF107304.D

Acq: 11 Jul 2018 17:05

Instrument :

BNA_F

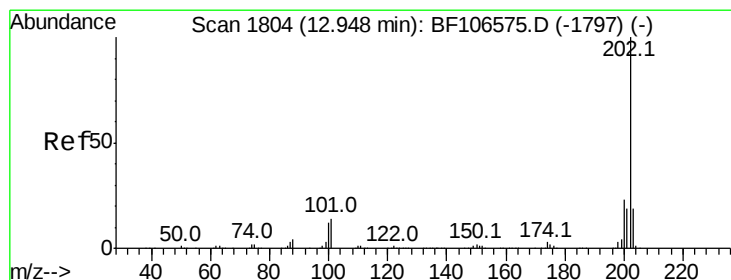
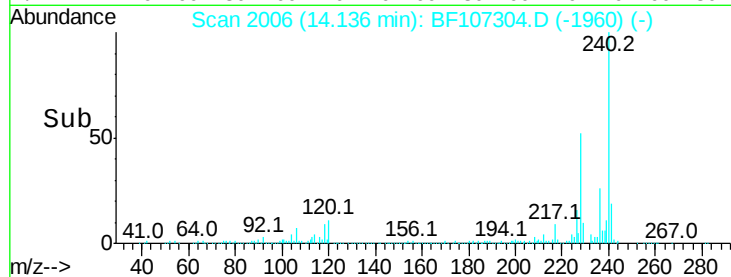
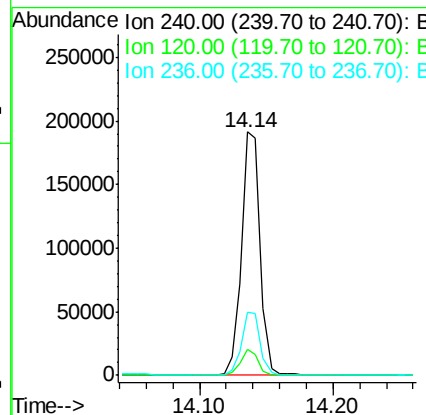
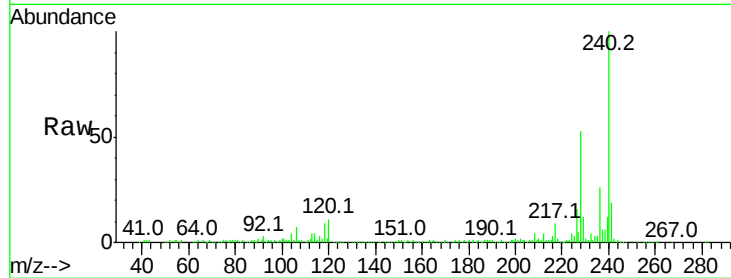
ClientSampled :

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Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.5	14.3
236	25.8	20.7	31.1

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#77

Pyrene

Concen: 35.079 ng

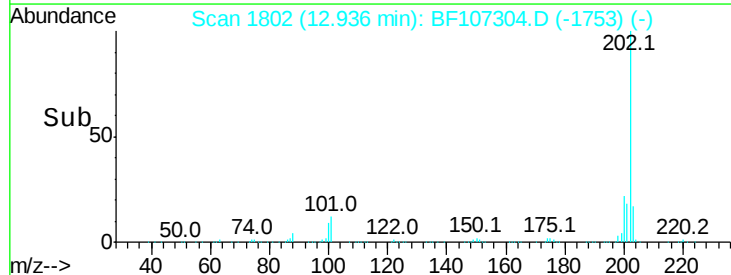
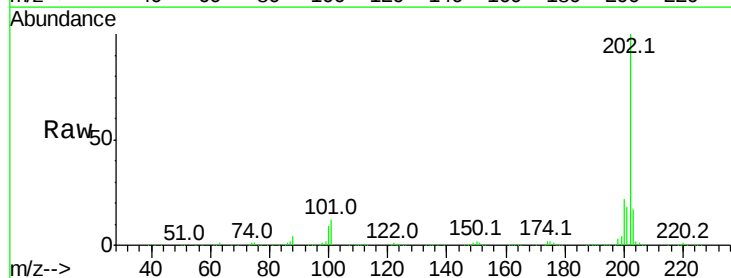
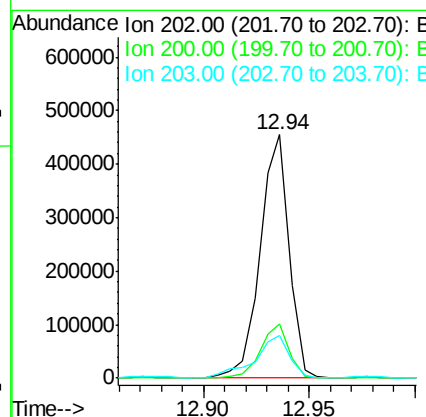
RT: 12.94 min Scan# 1802

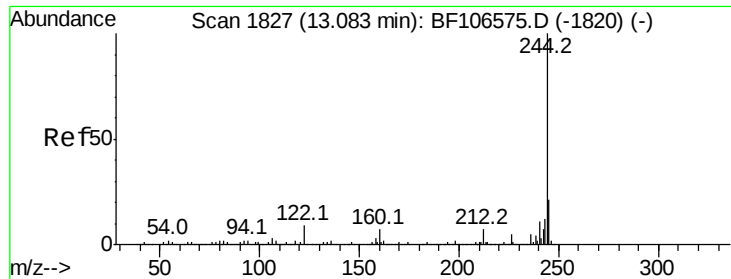
Delta R.T. -0.01 min

Lab File: BF107304.D

Acq: 11 Jul 2018 17:05

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.4	26.2
203	17.5	14.3	21.5





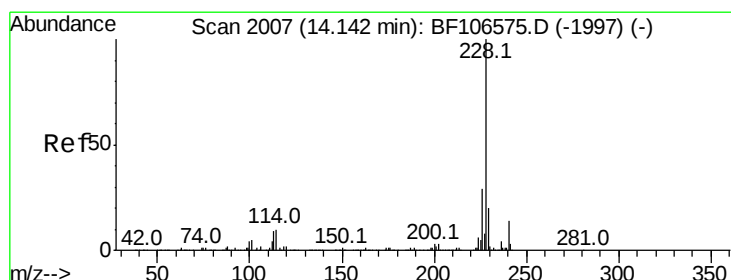
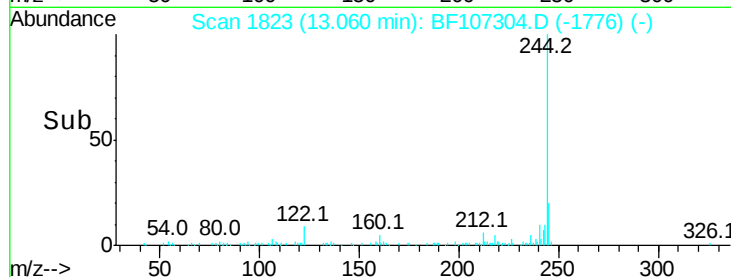
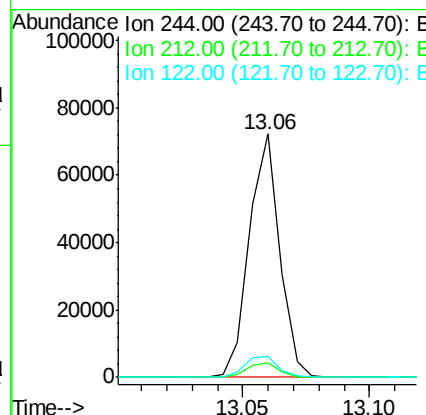
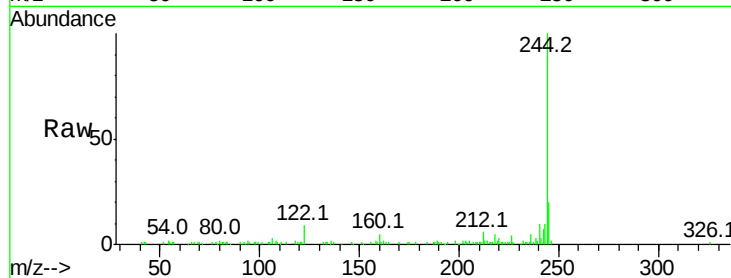
#78
 Terphenyl-d14
 Concen: 7.755 ng
 RT: 13.06 min Scan# 1823
 Delta R.T. -0.02 min
 Lab File: BF107304.D
 Acq: 11 Jul 2018 17:05

Instrument :
 BNA_F
 ClientSampled :
 EP-3-6DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.0
122	8.6	11.0	16.4

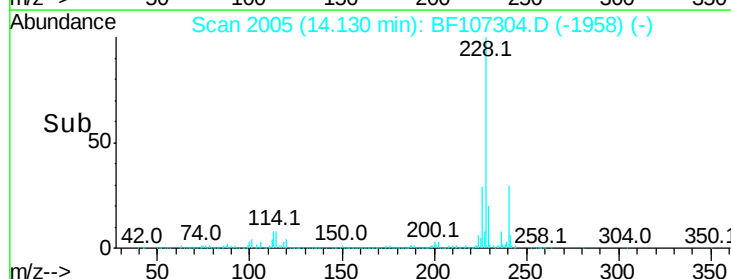
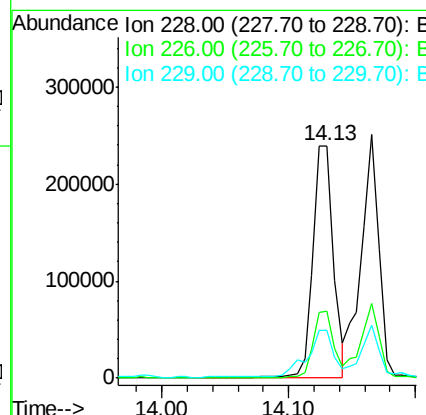
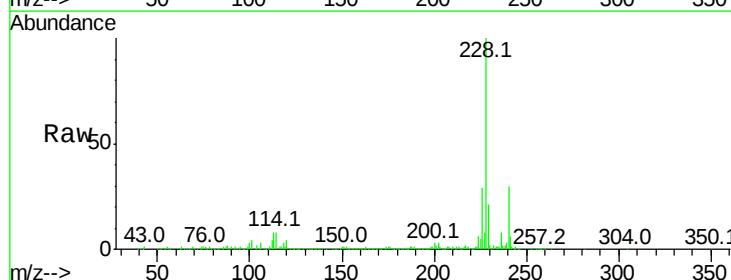
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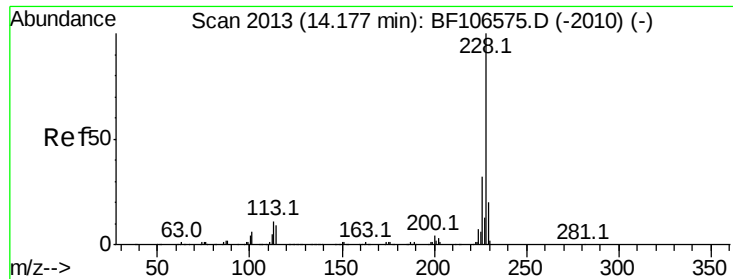
Sohil
 7/12/2018 2:19:28 PM



#80
 Benzo(a)anthracene
 Concen: 23.194 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.02 min
 Lab File: BF107304.D
 Acq: 11 Jul 2018 17:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	20.6	15.8	23.6





#82

Chrysene

Concen: 23.185 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.03 min

Lab File: BF107304.D

Acq: 11 Jul 2018 17:05

Instrument :

BNA_F

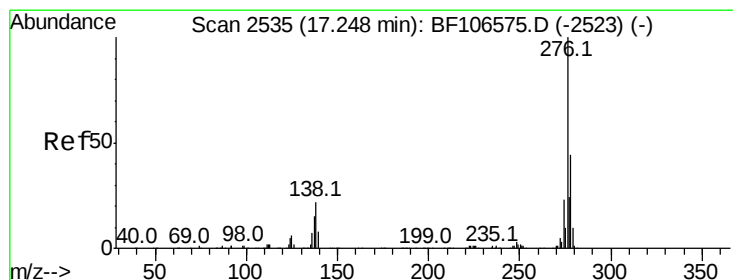
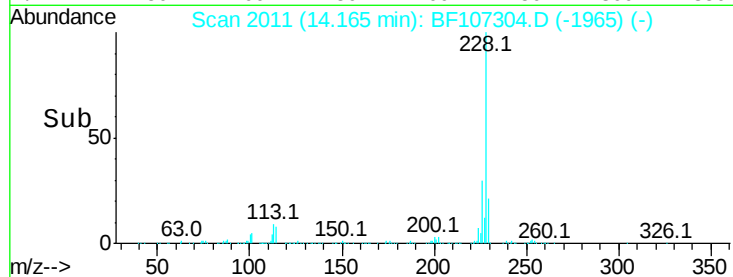
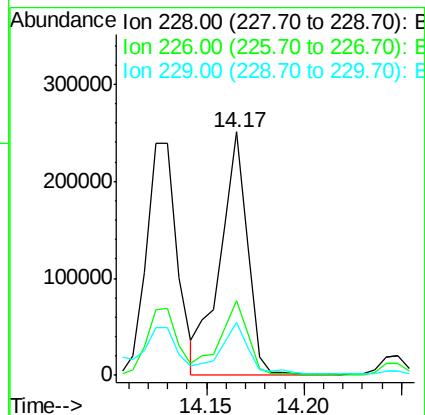
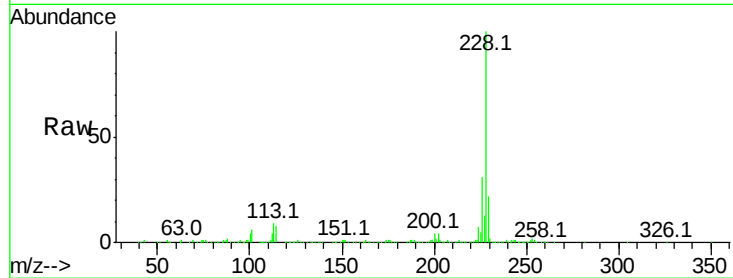
ClientSampled :

EP-3-6DL

Tot Ion:	228	Resp:	243654
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.0	37.6
229	21.7	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 10.432 ng m

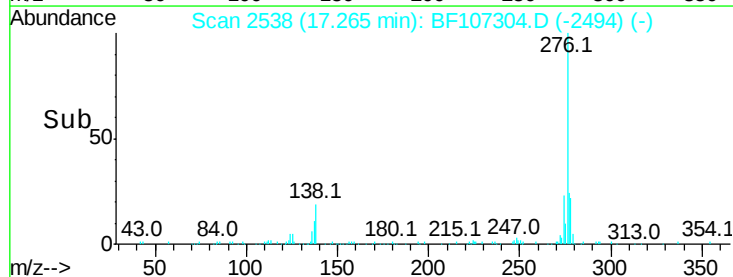
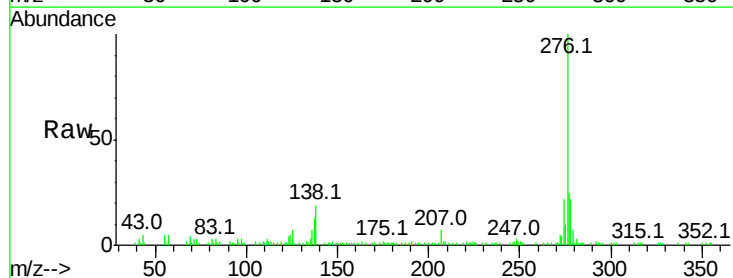
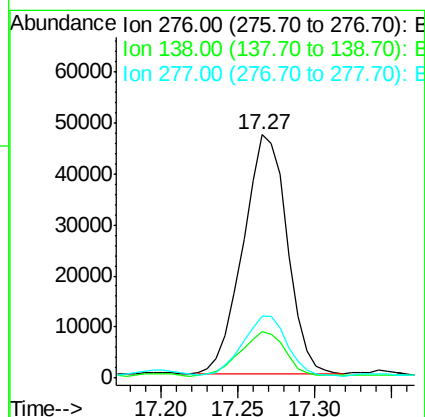
RT: 17.27 min Scan# 2538

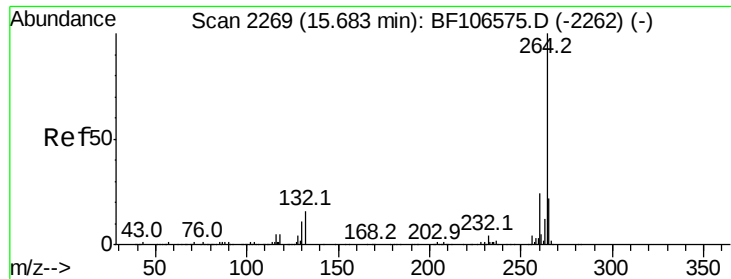
Delta R.T. -0.04 min

Lab File: BF107304.D

Acq: 11 Jul 2018 17:05

Tgt Ion:	276	Resp:	93036
Ion Ratio	Lower	Upper	
276	100		
138	2.5	25.0	37.6#
277	1.9	20.1	30.1#





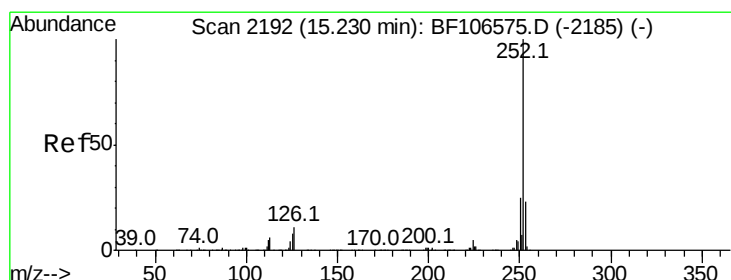
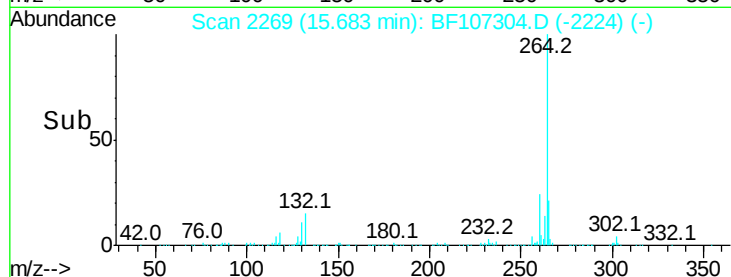
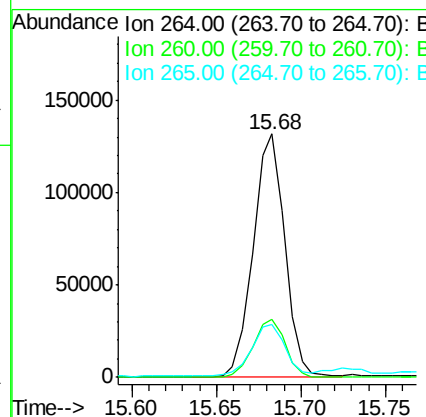
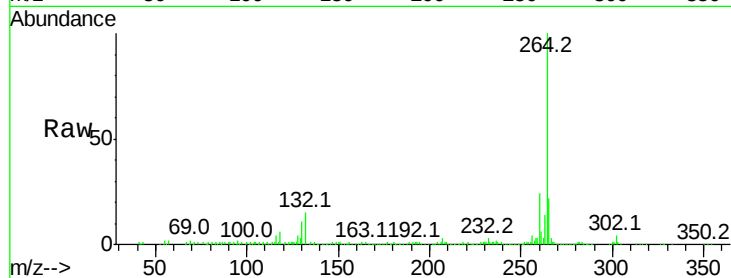
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.04 min
Lab File: BF107304.D
Acq: 11 Jul 2018 17:05

Instrument :
BNA_F
ClientSampled :
EP-3-6DL

Tot Ion:	264	Resp:	170531
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.2	28.8
265	21.8	17.5	26.3

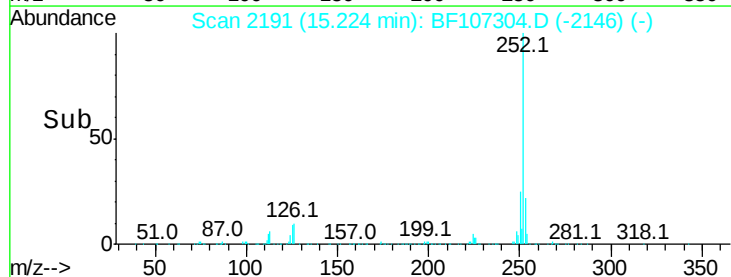
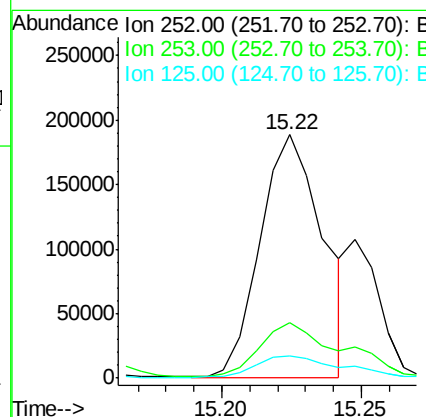
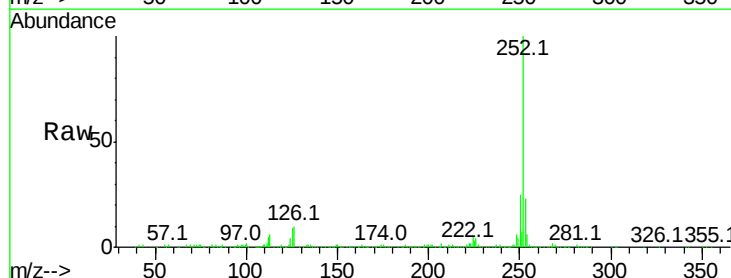
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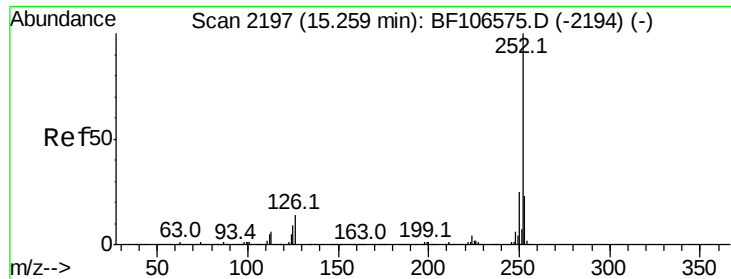
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#87
Benzo(b)fluoranthene
Concen: 27.965 ng m
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF107304.D
Acq: 11 Jul 2018 17:05

Tgt Ion:	252	Resp:	296239
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.0	25.6
125	9.2	9.0	13.6





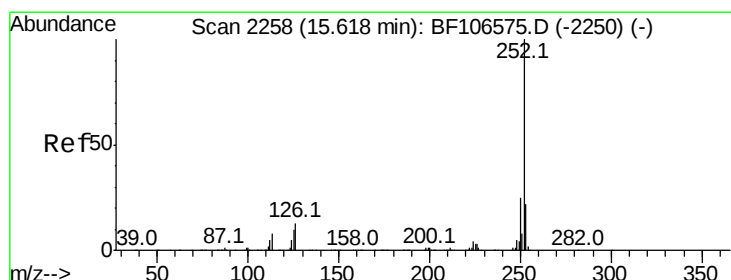
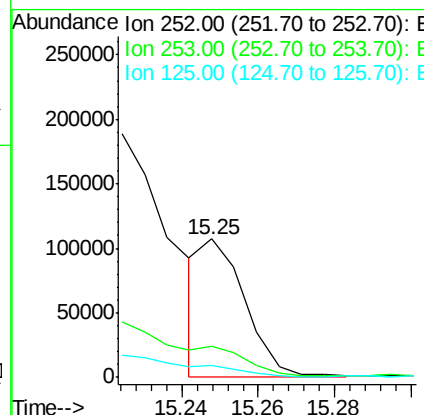
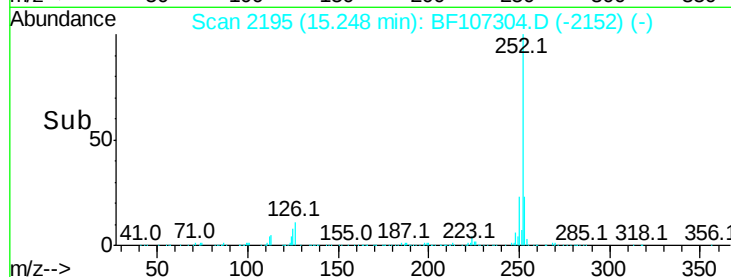
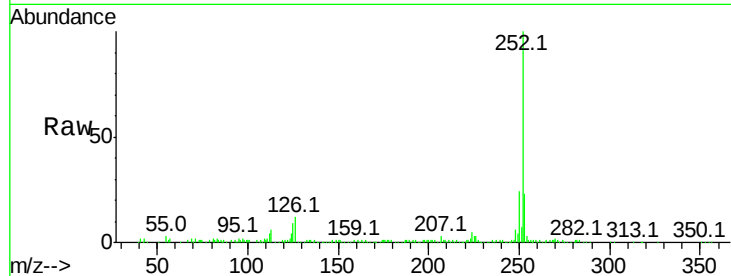
#88
Benzo(k)fluoranthene
Concen: 8.424 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.05 min
Lab File: BF107304.D
Acq: 11 Jul 2018 17:05

Instrument :
BNA_F
ClientSampleId :
EP-3-6DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	8.8	10.2	15.2#

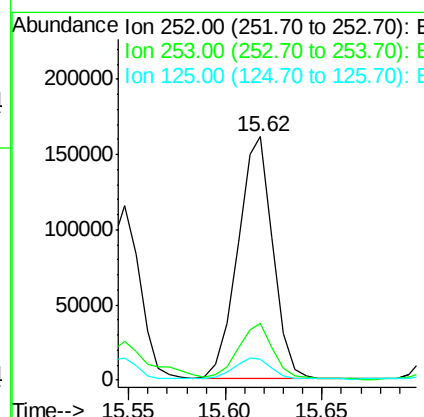
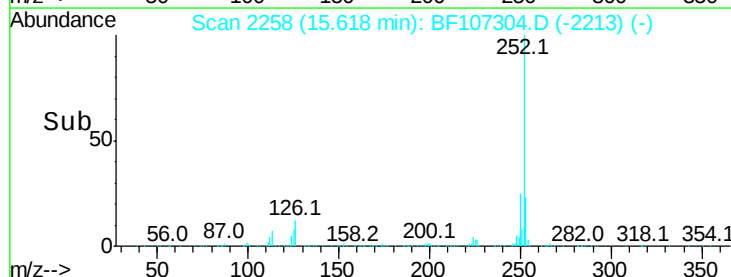
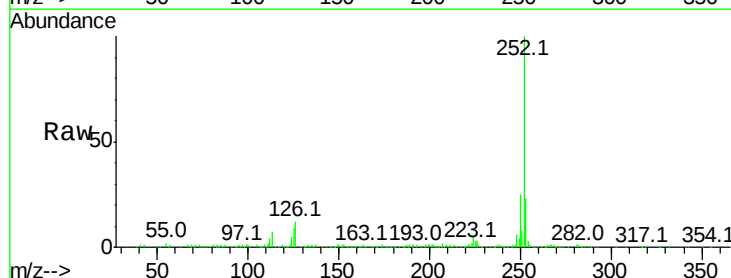
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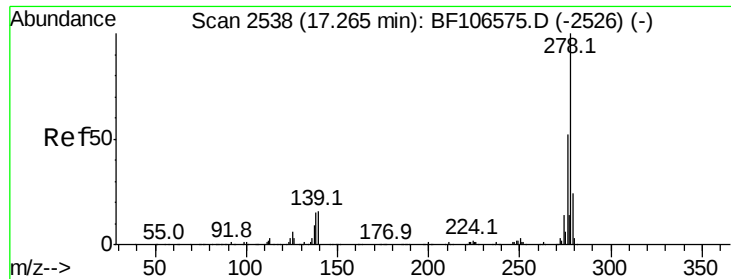
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#89
Benzo(a)pyrene
Concen: 21.732 ng m
RT: 15.62 min Scan# 2258
Delta R.T. -0.04 min
Lab File: BF107304.D
Acq: 11 Jul 2018 17:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	8.7	9.8	14.6#





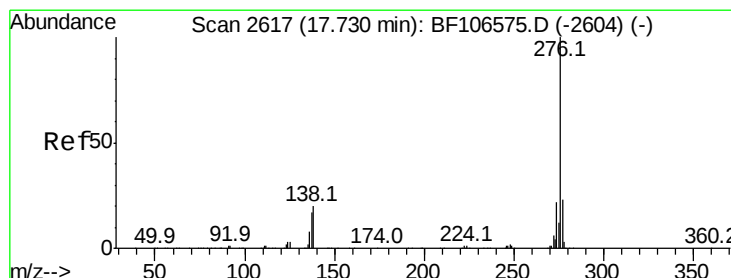
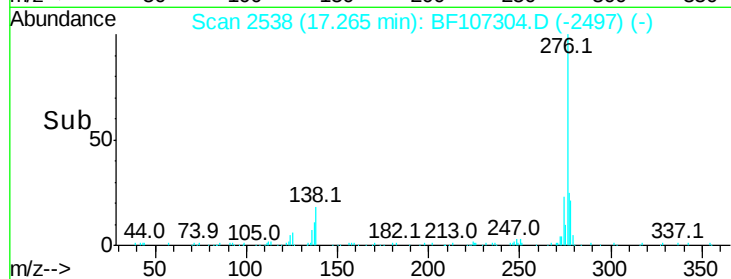
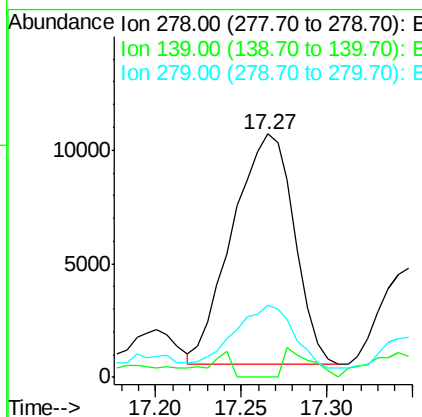
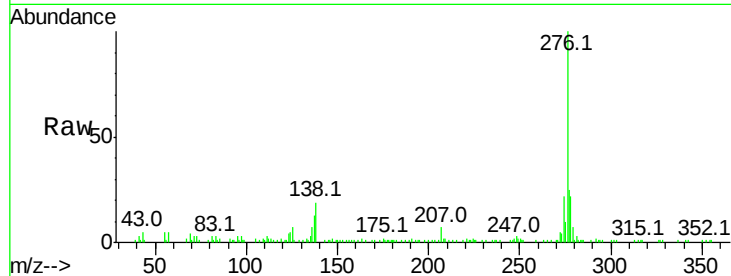
#90
Dibenzo(a,h)anthracene
Concen: 3.198 ng/mL
RT: 17.27 min Scan# 2538
Delta R.T. -0.06 min
Lab File: BF107304.D
Acq: 11 Jul 2018 17:05

Instrument :
BNA_F
ClientSampleID :
EP-3-6DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	29.6	19.0	28.4#

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#91
Benzo(g,h,i)perylene
Concen: 11.237 ng/mL
RT: 17.76 min Scan# 2622
Delta R.T. -0.03 min
Lab File: BF107304.D
Acq: 11 Jul 2018 17:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.9	26.9
138	17.6	21.8	32.8#

