

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
 Data File : BF107276.D
 Acq On : 10 Jul 2018 16:48
 Operator : JU/SJ
 Sample : J3901-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9-S

Manual Integrations
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Sohil
 7/11/2018 11:22:50 AM

Quant Time: Jul 11 08:26:15 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	6.94	152	39164	20.00	ng	-0.02
21) Naphthalene-d8	8.22	136	133203	20.00	ng	-0.02
38) Acenaphthene-d10	9.98	164	60712	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	129350	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	128376	20.00	ng	-0.03
86) Perylene-d12	15.68	264	91549	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	237283	102.59	ng	-0.01
7) Phenol-d6	6.59	99	282318	97.75	ng	-0.02
23) Nitrobenzene-d5	7.51	82	164045	68.44	ng	-0.03
41) 2,4,6-Tribromophenol	10.78	330	79382	112.81	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	286220	78.70	ng	-0.03
78) Terphenyl-d14	13.07	244	392028	73.97	ng	-0.02
Target Compounds						
10) Phenol	6.60	94	7916	2.402	ng	Qvalue 84
49) Dimethylphthalate	9.69	163	52899	11.617	ng	98
70) Phenanthrene	11.50	178	23050	3.695	ng	97
74) Fluoranthene	12.70	202	42680	6.207	ng	97
77) Pyrene	12.94	202	41616	4.916	ng	96
80) Benzo(a)anthracene	14.13	228	23286	2.976	ng	97
82) Chrysene	14.17	228	21531	2.991	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	14442	2.364	ng	# 86
87) Benzo(b)fluoranthene	15.22	252	29907m	5.259	ng	
89) Benzo(a)pyrene	15.61	252	20895	4.133	ng	96
91) Benzo(g,h,i)perylene	17.75	276	13730	3.279	ng	# 90

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

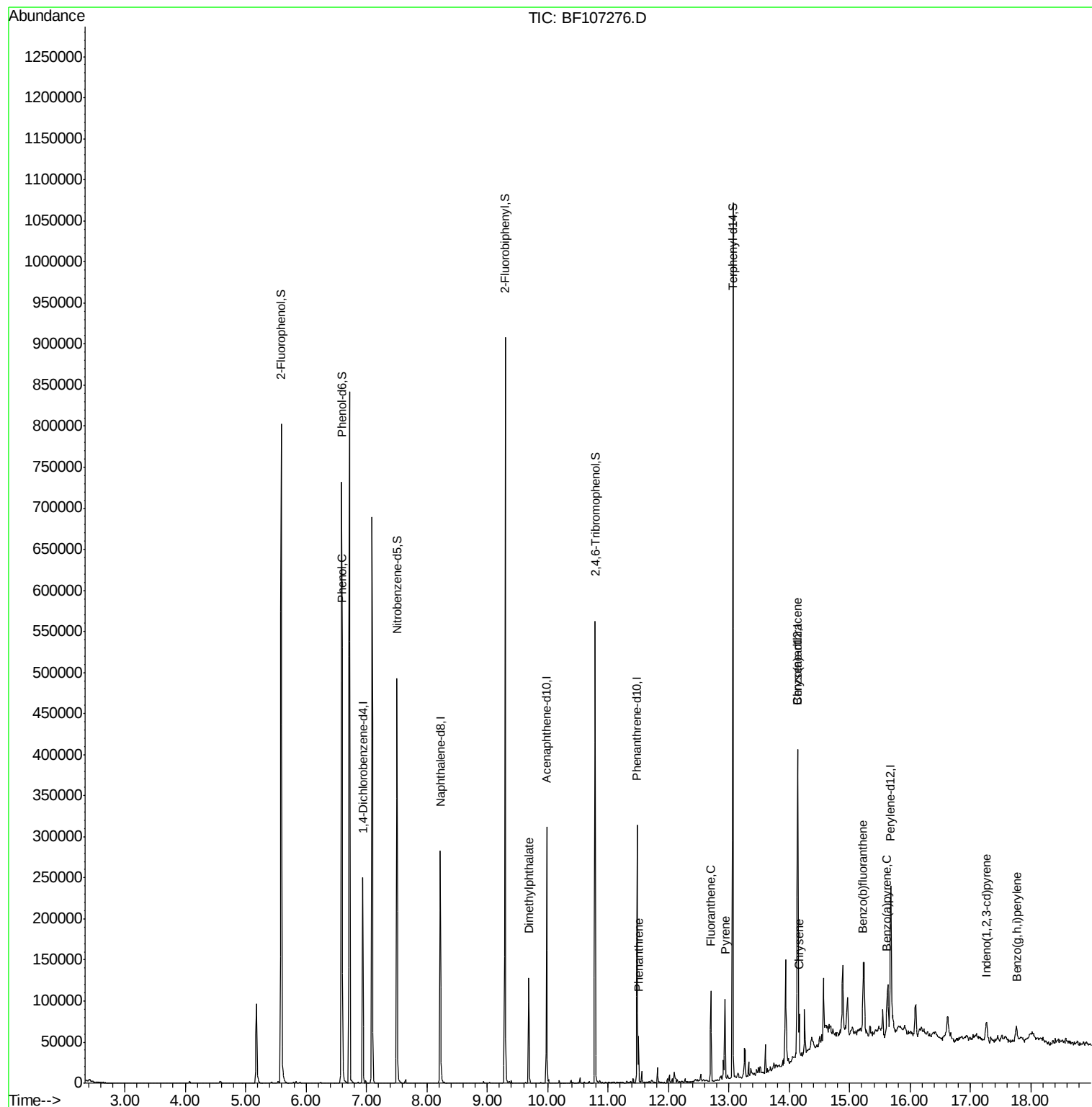
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
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ALS Vial : 16 Sample Multiplier: 1

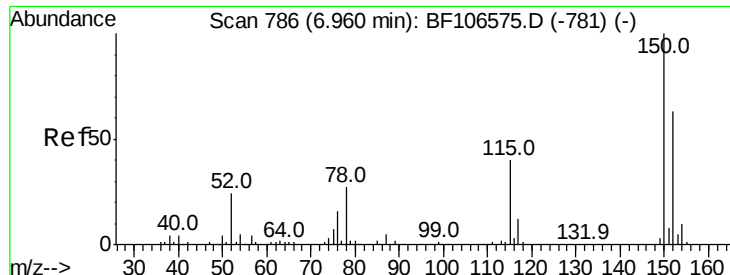
Instrument :
BNA_F
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#1

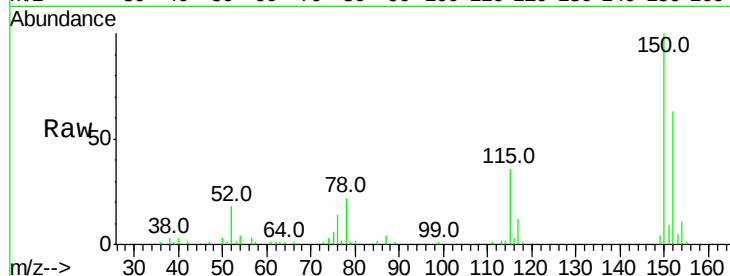
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 783
Delta R.T. -0.02 min
Lab File: BF107276.D
Acq: 10 Jul 2018 16:48

Instrument :
BNA_F
ClientSampleId :
TP-9-S

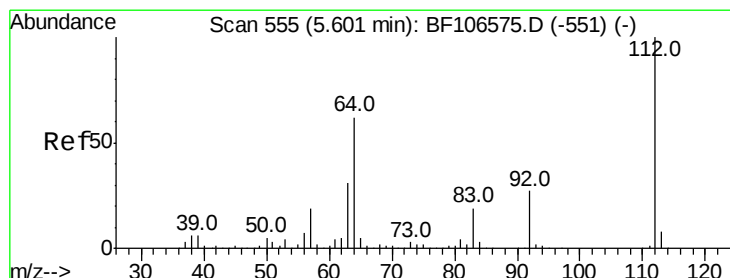
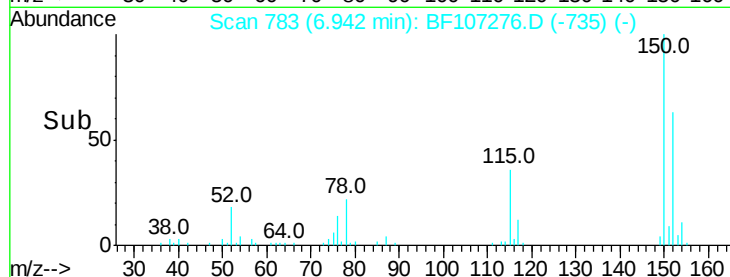
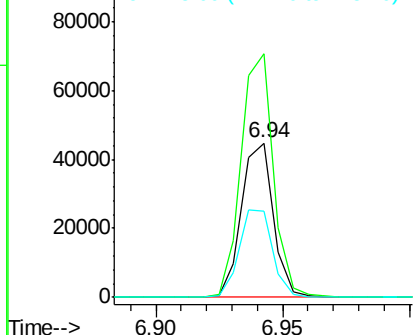
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	56.4	50.1	75.1

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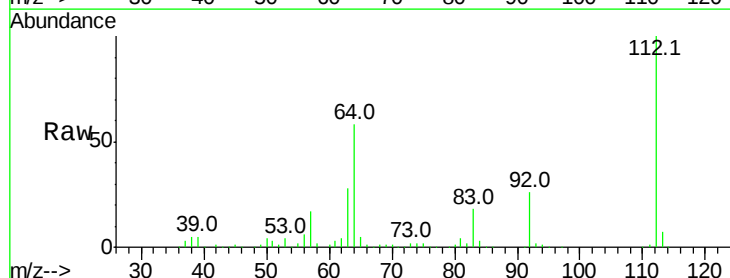
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



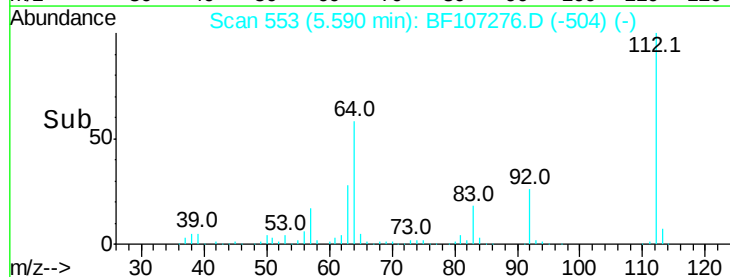
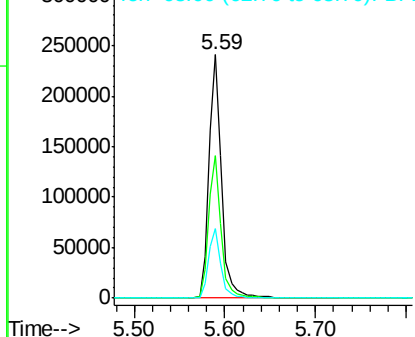
#5

2-Fluorophenol
Concen: 102.593 ng
RT: 5.59 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF107276.D
Acq: 10 Jul 2018 16:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.9	71.9
63	28.5	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: 97.745 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF107276.D

Acq: 10 Jul 2018 16:48

Instrument :

BNA_F

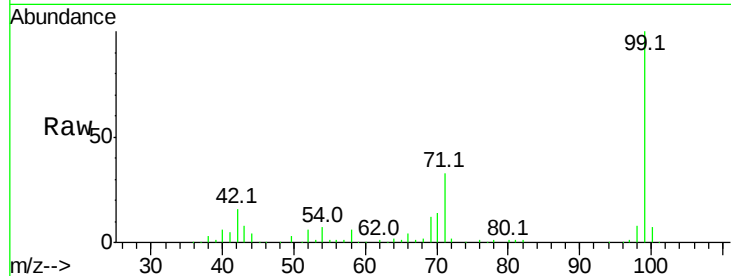
ClientSampled :

TP-9-S

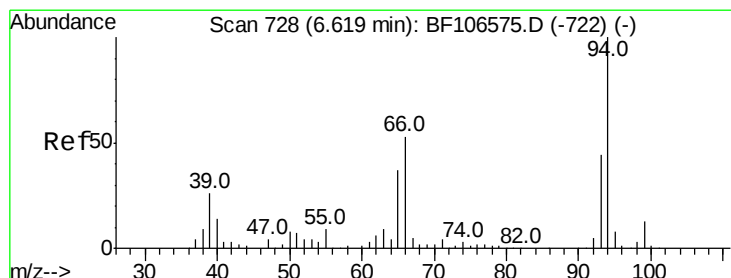
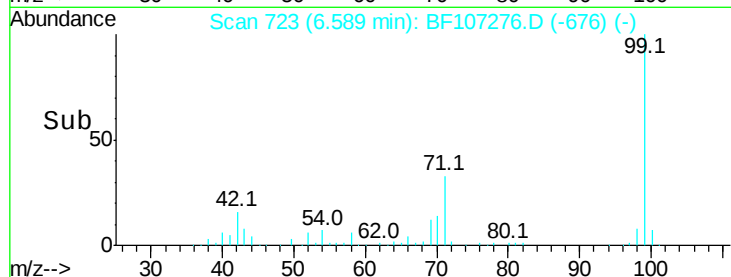
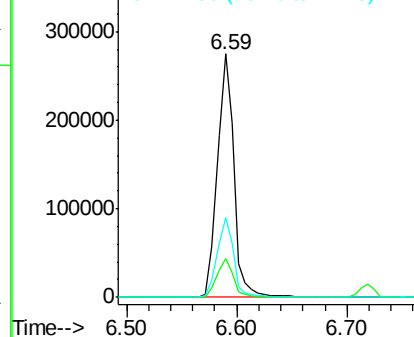
Tot Ion:	99	Resp:	282318
Ion Ratio	Lower	Upper	
99	100		
42	15.9	14.5	21.7
71	33.0	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.402 ng

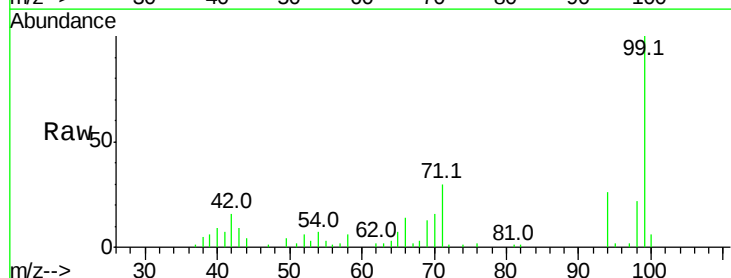
RT: 6.60 min Scan# 725

Delta R.T. -0.02 min

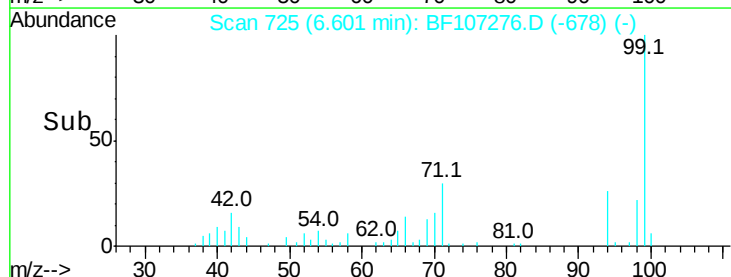
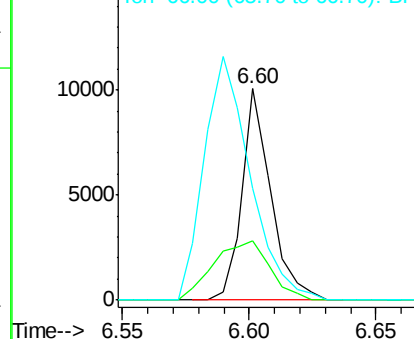
Lab File: BF107276.D

Acq: 10 Jul 2018 16:48

Tgt Ion:	94	Resp:	7916
Ion Ratio	Lower	Upper	
94	100		
65	28.0	7.9	47.9
66	52.6	16.2	56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





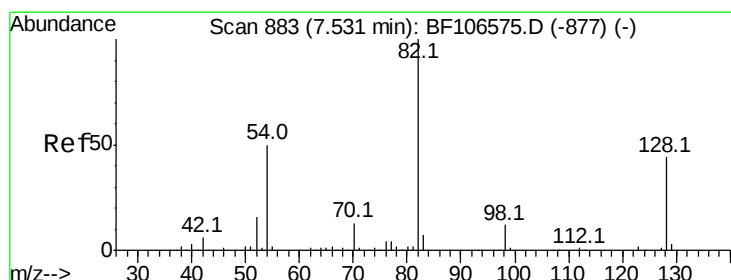
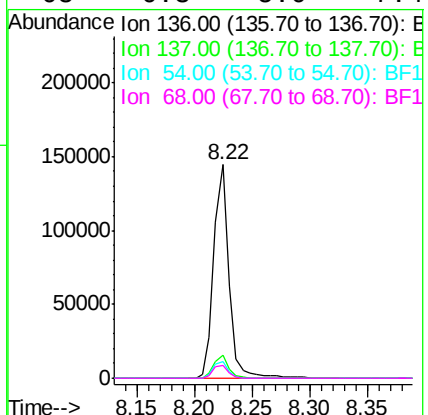
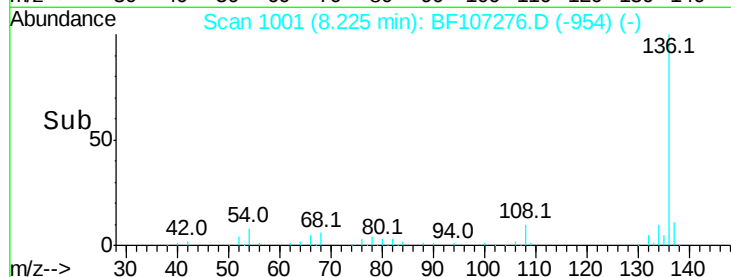
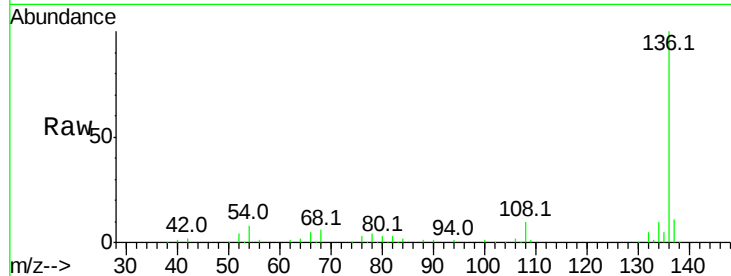
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BF107276.D
Acq: 10 Jul 2018 16:48

Instrument :
BNA_F
ClientSampleId :
TP-9-S

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.9	8.9	13.3	
54	7.6	6.6	9.8	
68	6.3	5.0	7.4	

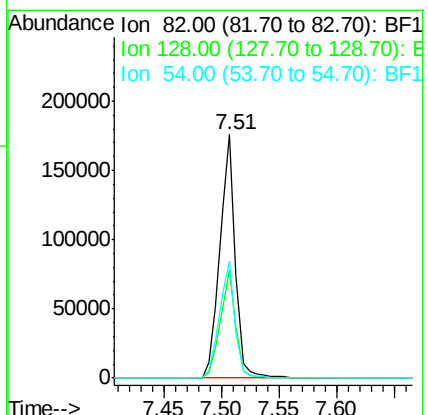
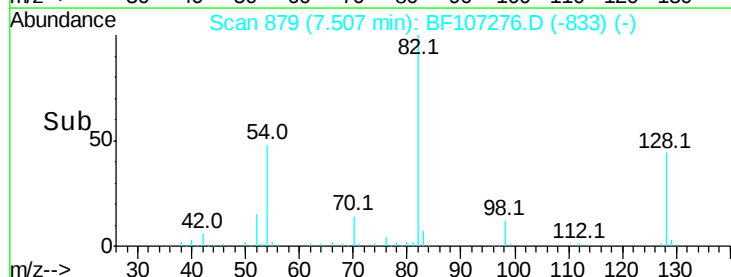
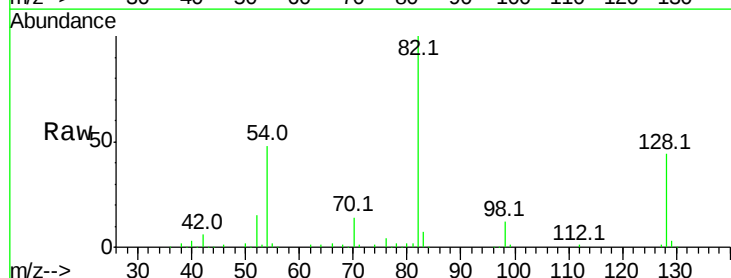
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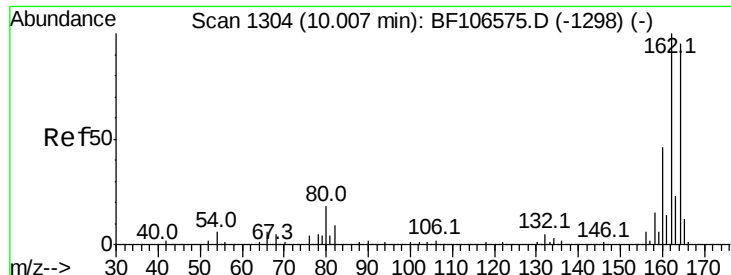
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#23
Nitrobenzene-d5
Concen: 68.441 ng
RT: 7.51 min Scan# 879
Delta R.T. -0.03 min
Lab File: BF107276.D
Acq: 10 Jul 2018 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	44.4	36.1	54.1	
54	47.8	41.4	62.2	





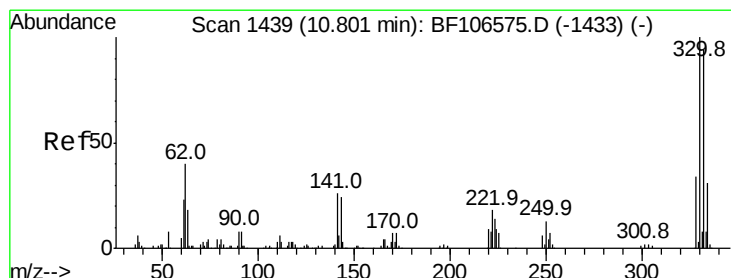
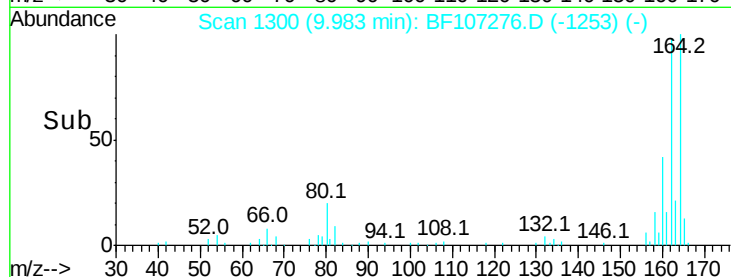
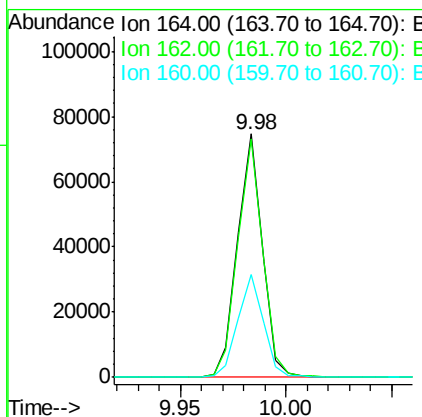
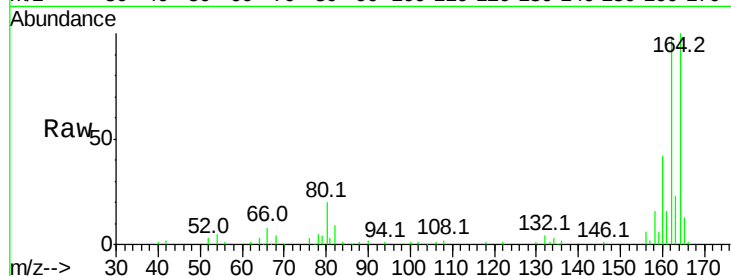
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF107276.D
 Acq: 10 Jul 2018 16:48

Instrument :
 BNA_F
 ClientSampleID :
 TP-9-S

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.8	86.1	129.1
160	42.0	38.3	57.5

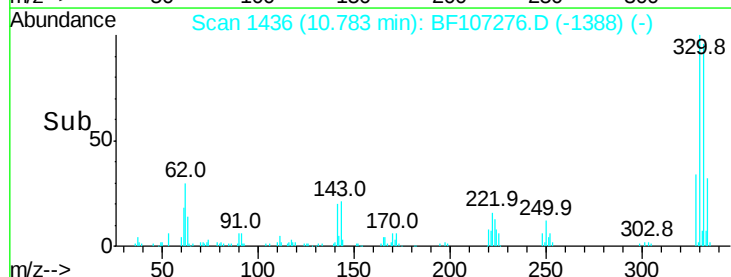
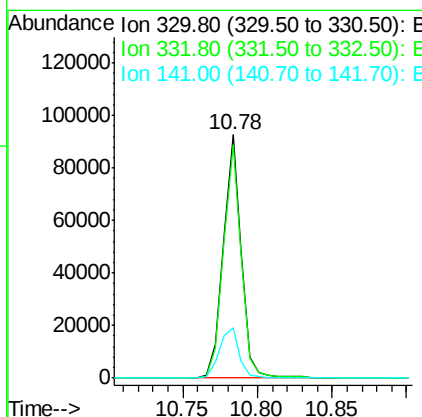
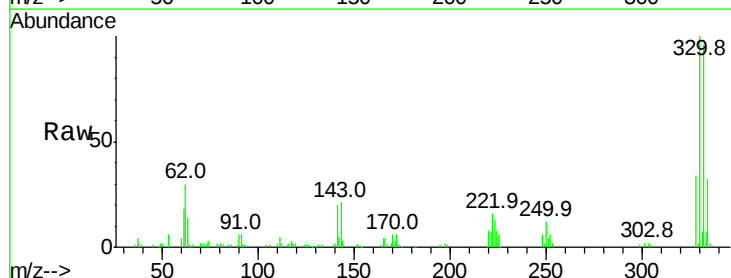
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#41
 2,4,6-Tribromophenol
 Concen: 112.812 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF107276.D
 Acq: 10 Jul 2018 16:48

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.0	115.6
141	22.2	29.9	44.9#





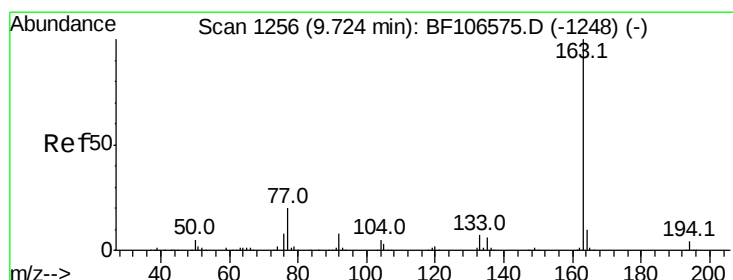
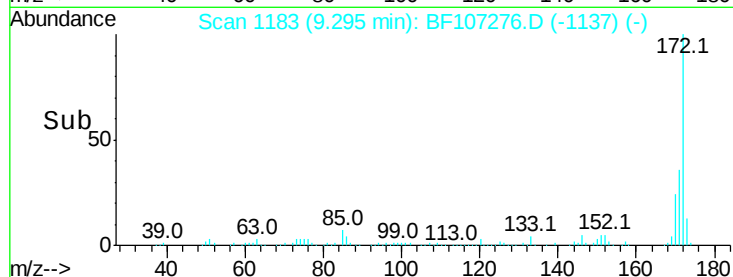
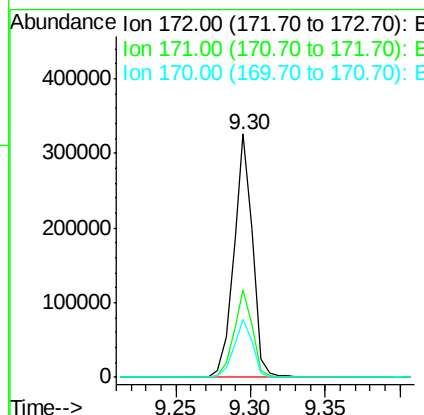
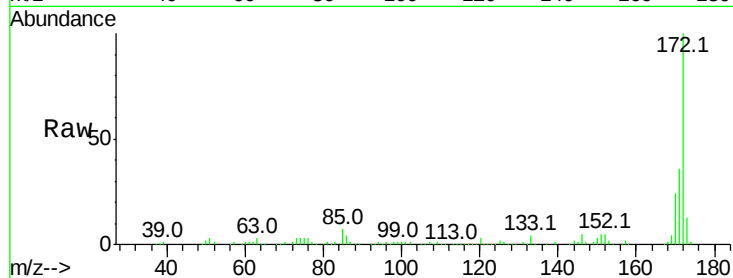
#44
 2-Fluorobiphenyl
 Concen: 78.704 ng
 RT: 9.30 min Scan# 1183
 Delta R.T. -0.03 min
 Lab File: BF107276.D
 Acq: 10 Jul 2018 16:48

Instrument :
 BNA_F
 ClientSampleId :
 TP-9-S

Tot Ion	Ratio	Resp	Lower	Upper
172	100	286220		
171	35.9		29.7	44.5
170	24.0		19.6	29.4

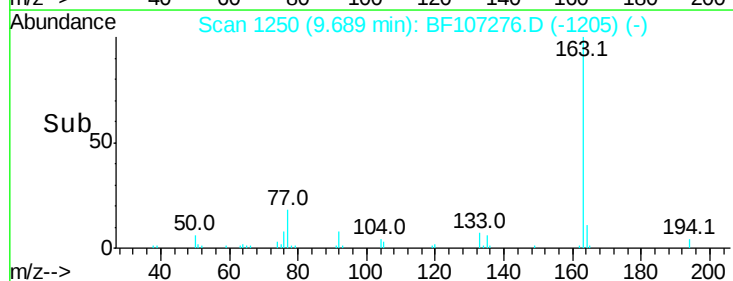
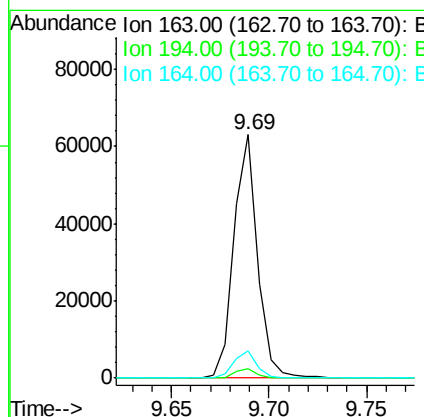
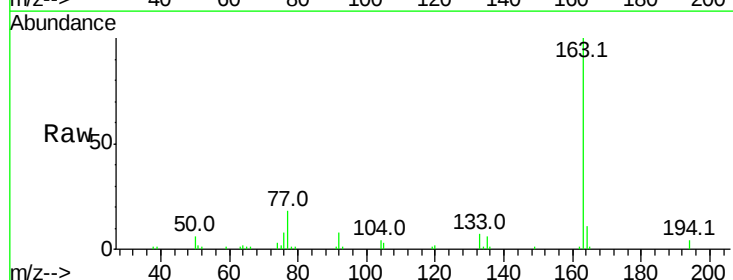
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#49
 Dimethylphthalate
 Concen: 11.617 ng
 RT: 9.69 min Scan# 1250
 Delta R.T. -0.04 min
 Lab File: BF107276.D
 Acq: 10 Jul 2018 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	52899		
194	3.9		2.7	4.1
164	11.0		8.2	12.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1555

Delta R.T. -0.02 min

Lab File: BF107276.D

Acq: 10 Jul 2018 16:48

Instrument :

BNA_F

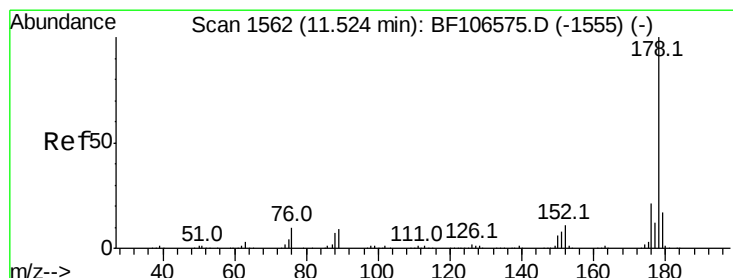
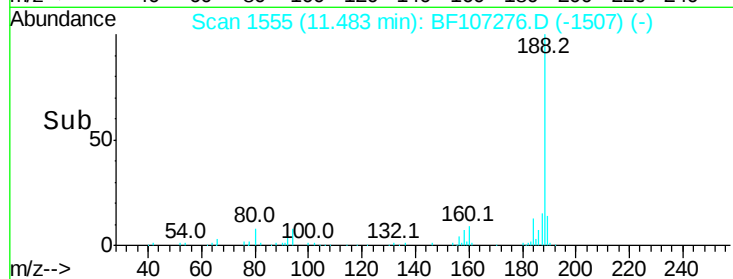
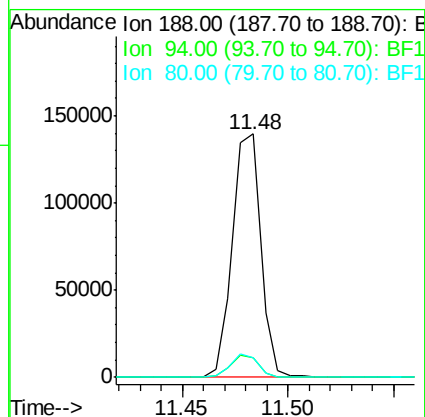
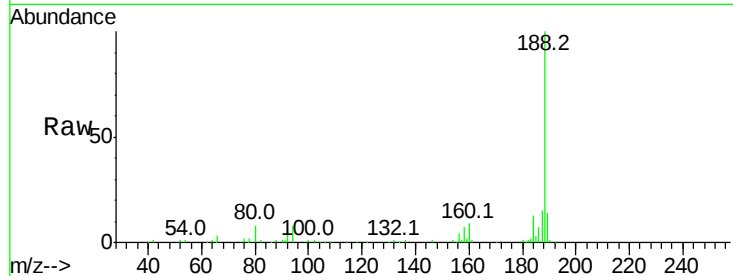
ClientSampled :

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Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.9	8.5	12.7#
80	8.2	9.2	13.8#

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#70

Phenanthrene

Concen: 3.695 ng

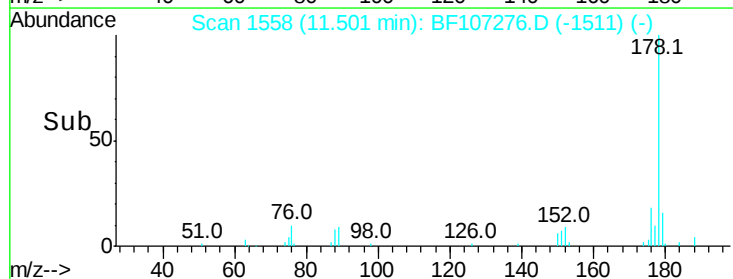
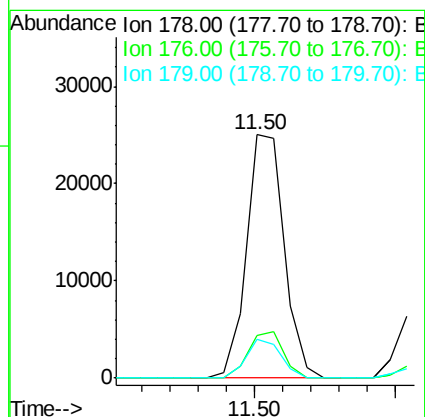
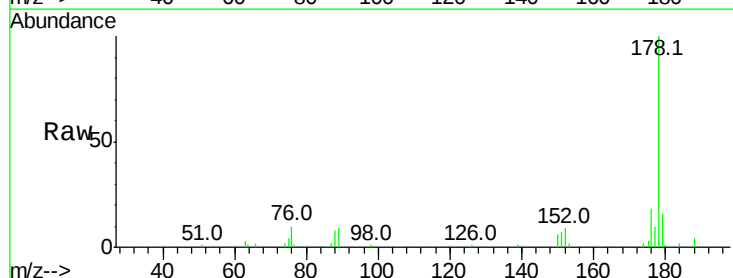
RT: 11.50 min Scan# 1558

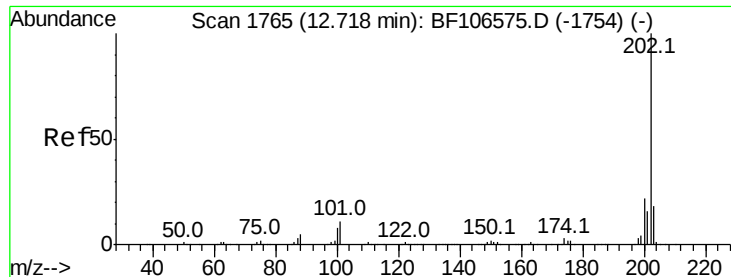
Delta R.T. -0.02 min

Lab File: BF107276.D

Acq: 10 Jul 2018 16:48

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	17.7	15.8	23.8
179	16.0	13.0	19.6





#74

Fluoranthene

Concen: 6.207 ng

RT: 12.70 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF107276.D

Acq: 10 Jul 2018 16:48

Instrument :

BNA_F

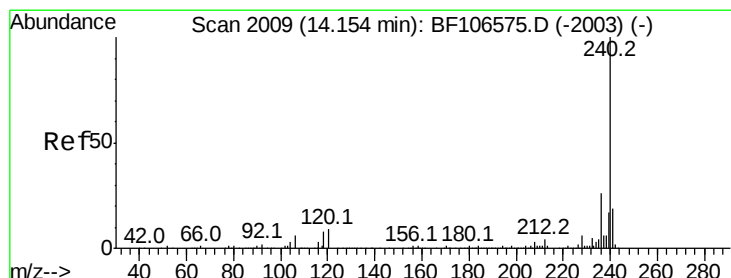
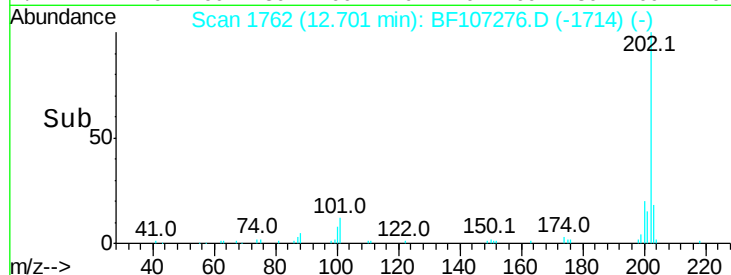
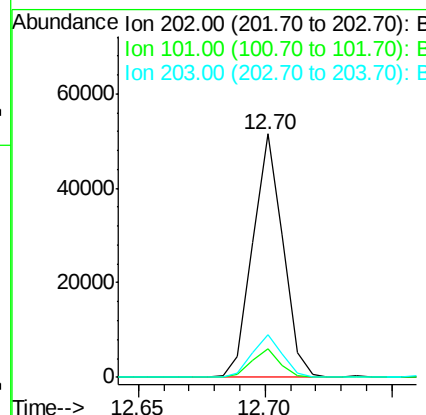
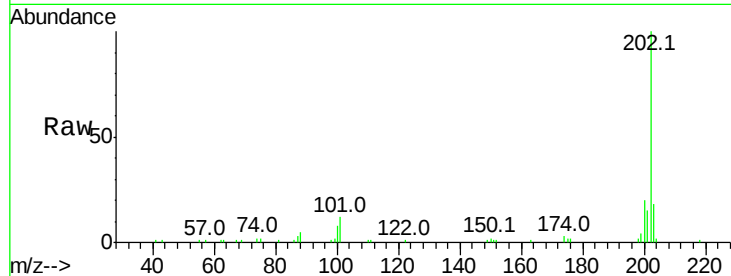
ClientSampleId :

TP-9-S

Tot Ion:	202	Resp:	42680
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	34.1
203	17.7	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

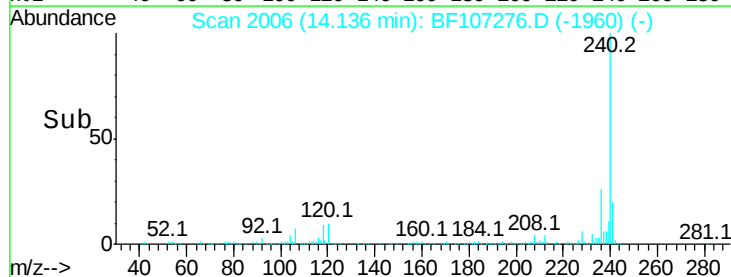
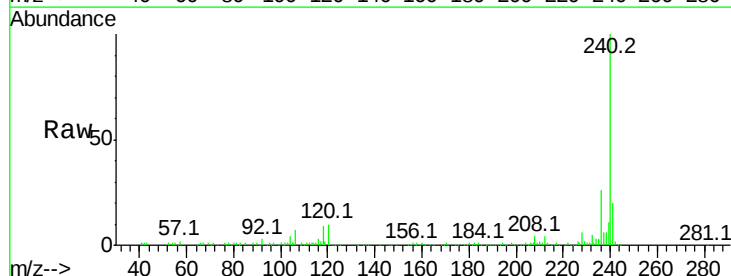
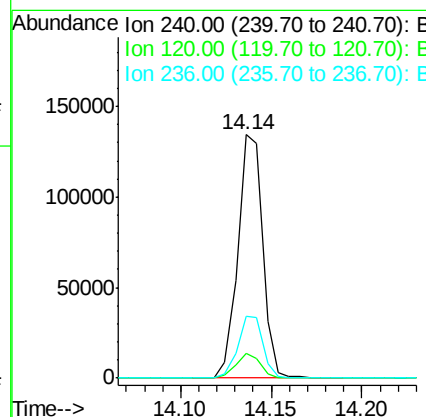
RT: 14.14 min Scan# 2006

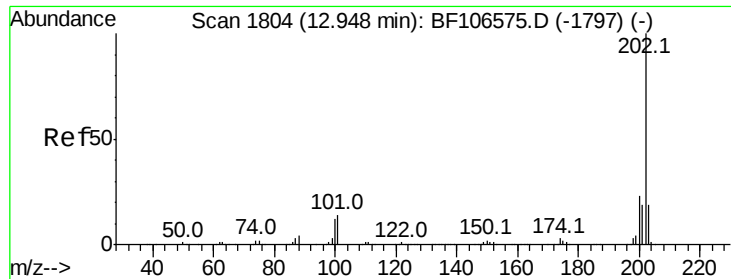
Delta R.T. -0.03 min

Lab File: BF107276.D

Acq: 10 Jul 2018 16:48

Tgt Ion:	240	Resp:	128376
Ion Ratio	Lower	Upper	
240	100		
120	10.1	9.5	14.3
236	25.6	20.7	31.1





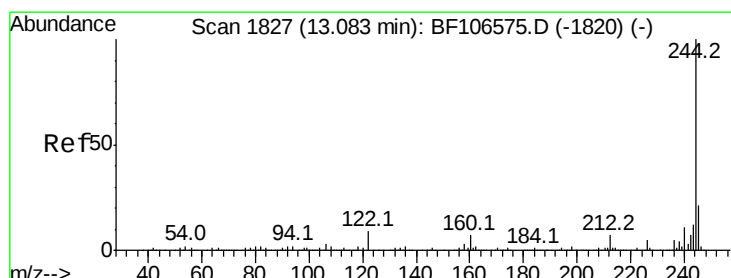
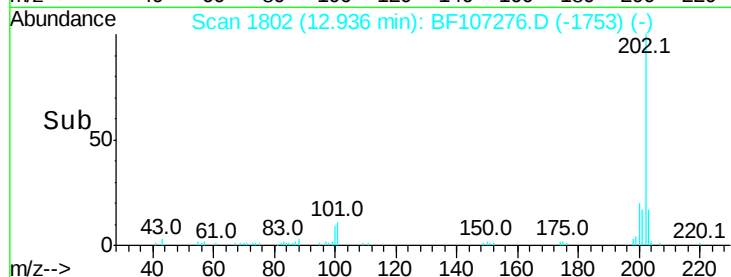
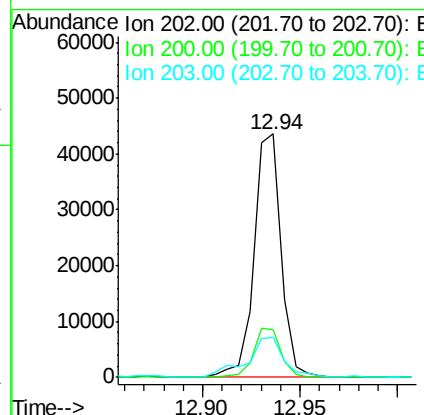
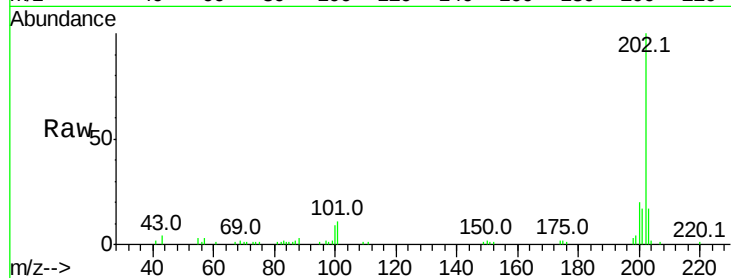
#77
Pvrene
Concen: 4.916 ng
RT: 12.94 min Scan# 1802
Delta R.T. -0.01 min
Lab File: BF107276.D
Acq: 10 Jul 2018 16:48

Instrument :
BNA_F
ClientSampled :
TP-9-S

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.4	26.2
203	16.7	14.3	21.5

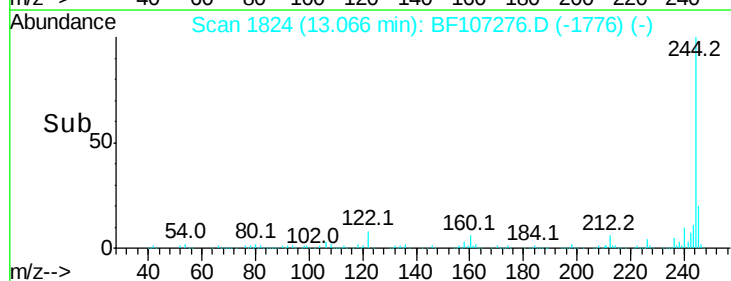
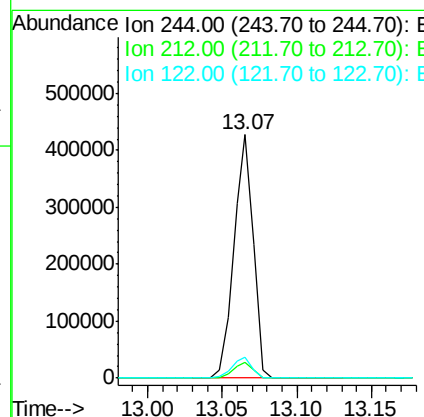
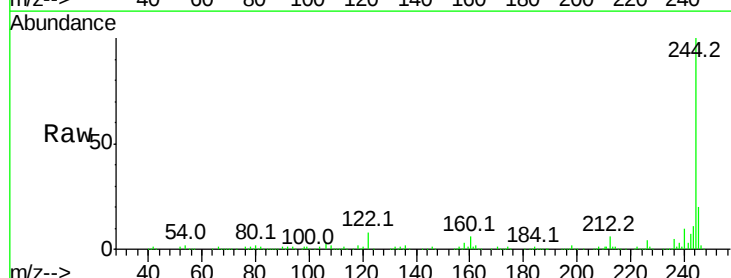
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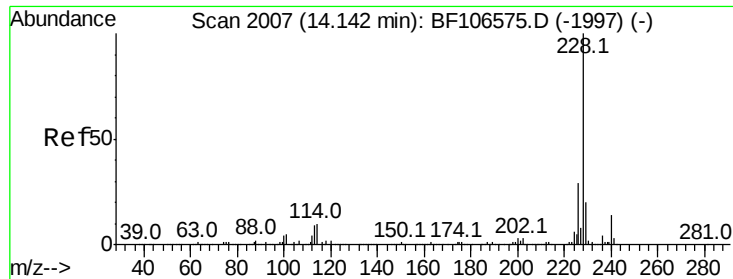
Sohil
7/11/2018 11:22:50 AM



#78
Terphenyl-d14
Concen: 73.971 ng
RT: 13.07 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BF107276.D
Acq: 10 Jul 2018 16:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	8.5	11.0	16.4#





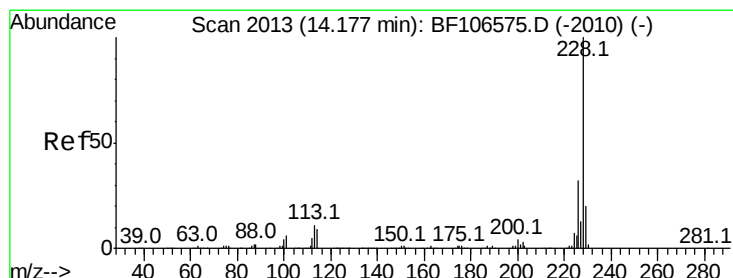
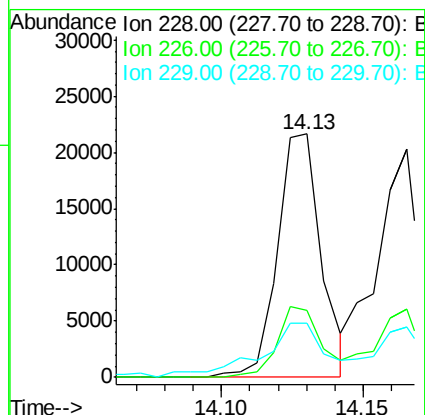
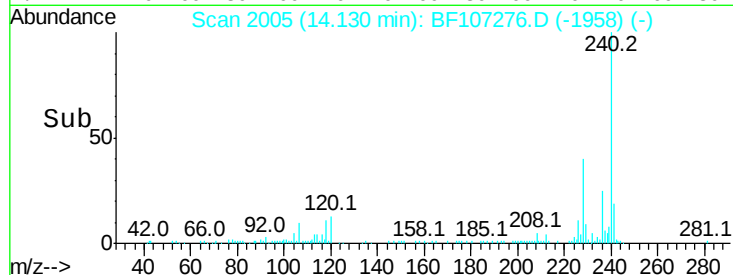
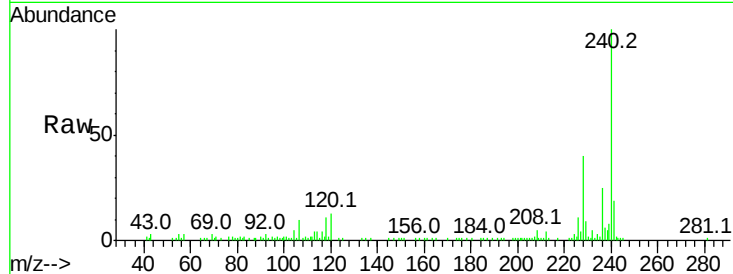
#80
Benzo(a)anthracene
Concen: 2.976 ng
RT: 14.13 min Scan# 2005
Delta R.T. -0.02 min
Lab File: BF107276.D
Acq: 10 Jul 2018 16:48

Instrument :
BNA_F
ClientSampled :
TP-9-S

Tot Ion	Ratio	Resp	Lower	Upper
228	100	23286		
226	27.3		22.6	33.8
229	22.0		15.8	23.6

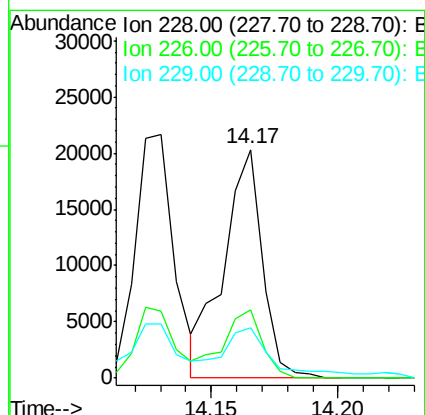
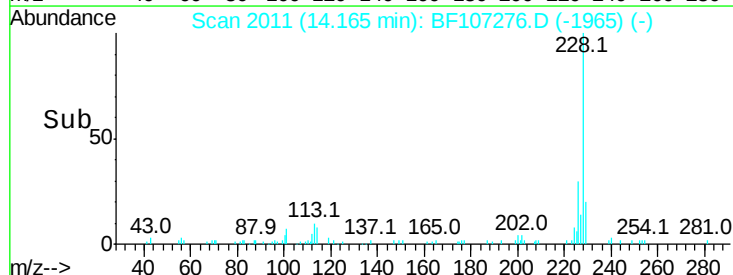
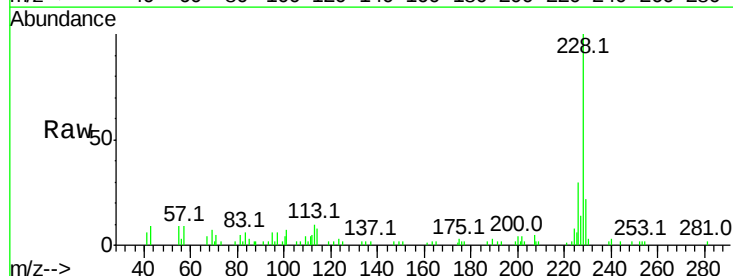
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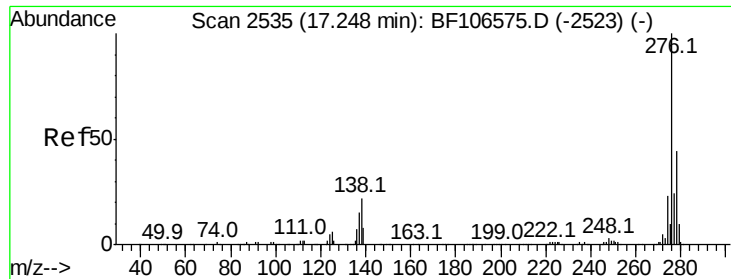
Sohil
7/11/2018 11:22:50 AM



#82
Chrysene
Concen: 2.991 ng
RT: 14.17 min Scan# 2011
Delta R.T. -0.03 min
Lab File: BF107276.D
Acq: 10 Jul 2018 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	21531		
226	29.7		25.0	37.6
229	22.1		16.2	24.4





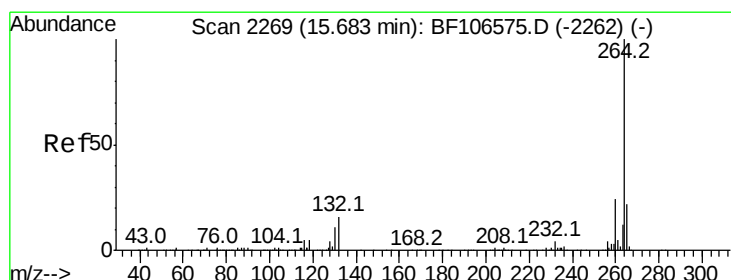
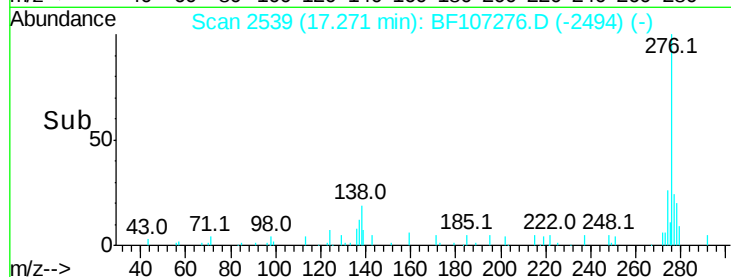
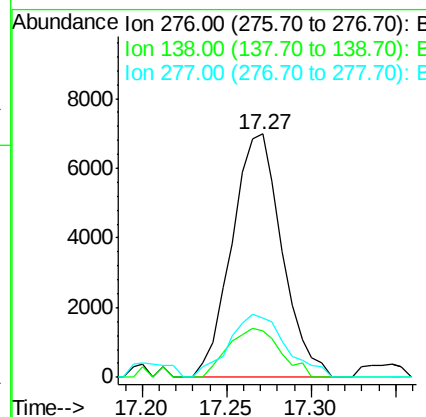
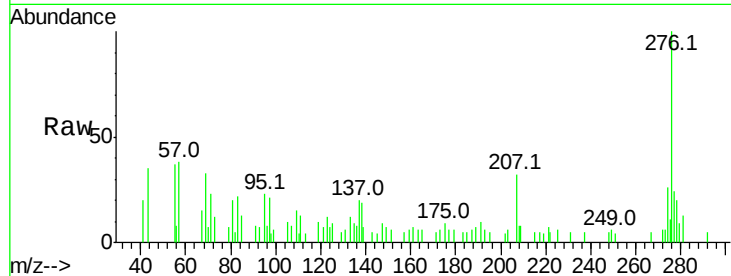
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.364 ng
RT: 17.27 min Scan# 2539
Delta R.T. -0.04 min
Lab File: BF107276.D
Acq: 10 Jul 2018 16:48

Instrument :
BNA_F
ClientSampleId :
TP-9-S

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.0	25.0	37.6#
277	29.4	20.1	30.1

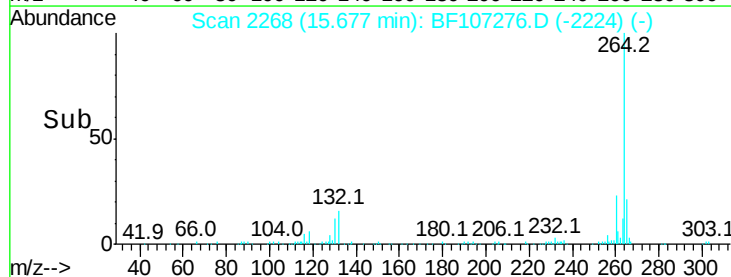
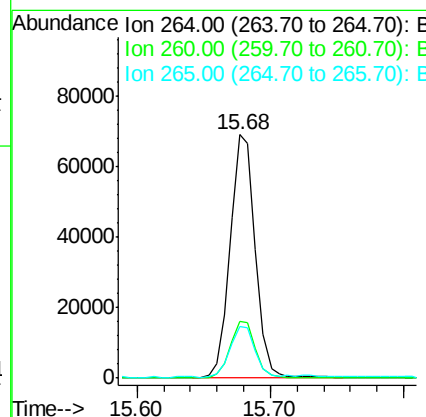
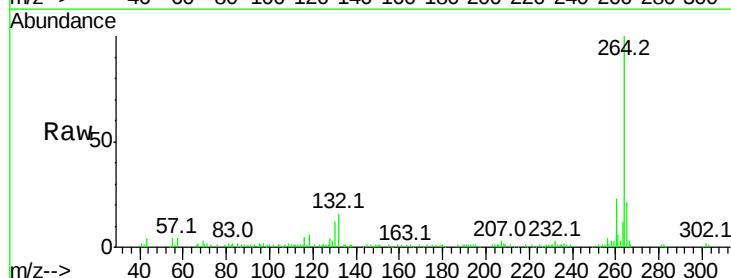
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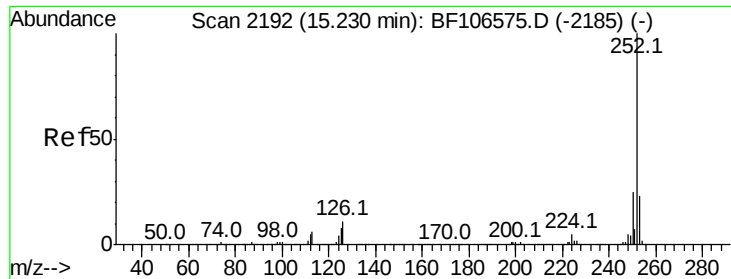
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.04 min
Lab File: BF107276.D
Acq: 10 Jul 2018 16:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.3	17.5	26.3





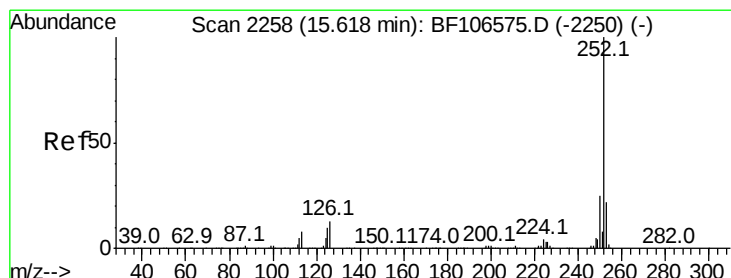
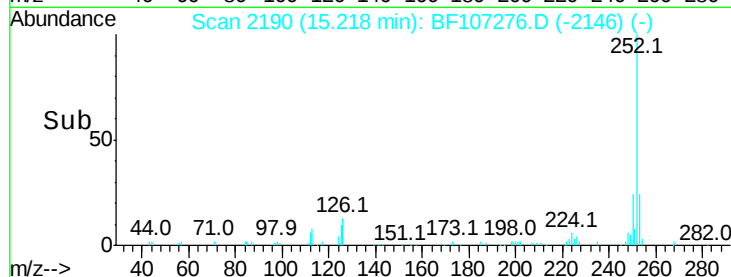
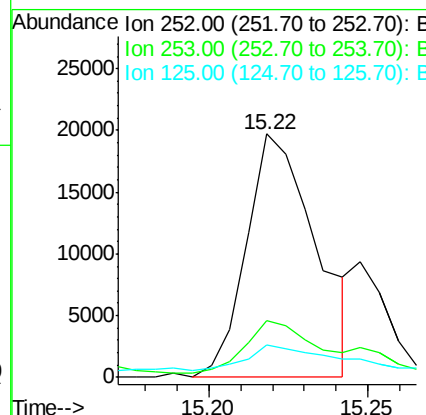
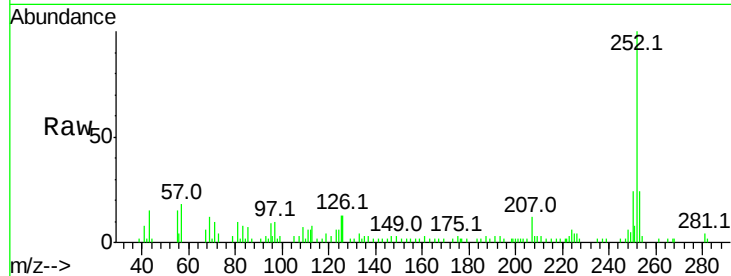
#87
Benzo(b)fluoranthene
Concen: 5.259 ng m
RT: 15.22 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF107276.D
Acq: 10 Jul 2018 16:48

Instrument :
BNA_F
ClientSampleId :
TP-9-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	13.1	9.0	13.6

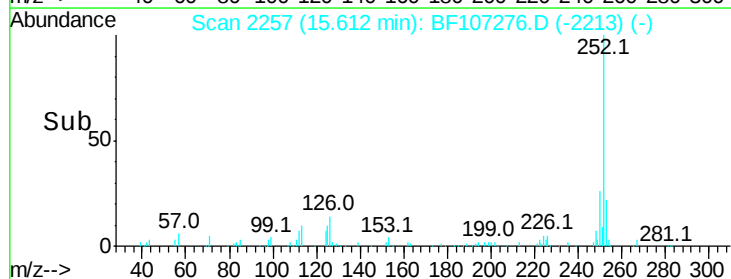
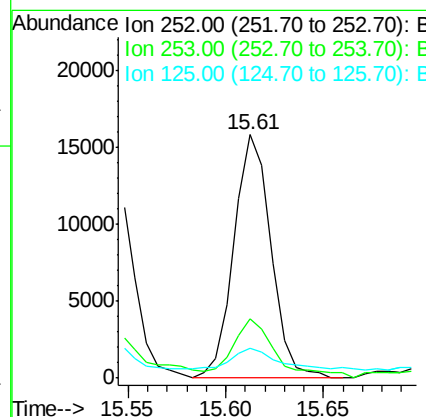
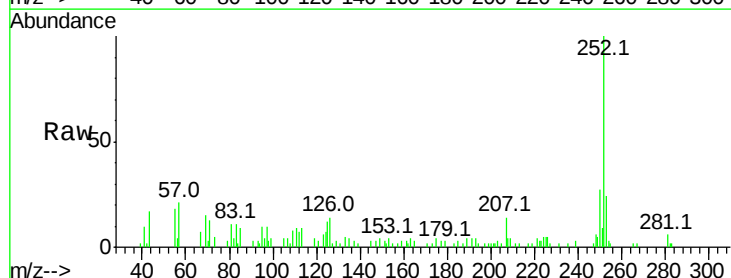
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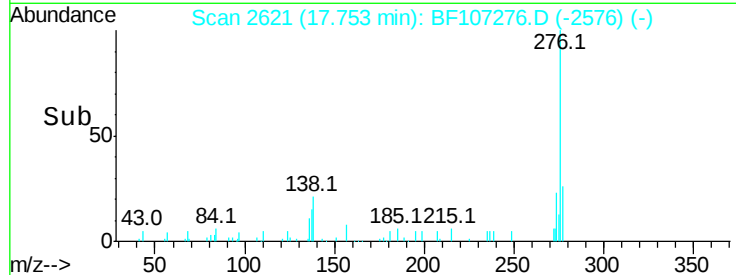
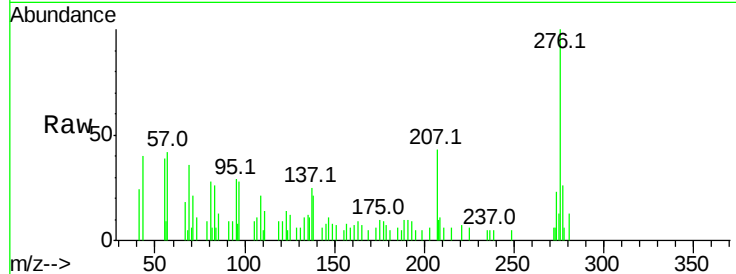
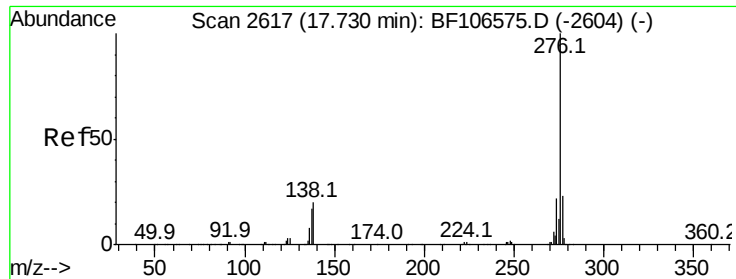
Sohil
7/11/2018 11:22:50 AM



#89
Benzo(a)pyrene
Concen: 4.133 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.04 min
Lab File: BF107276.D
Acq: 10 Jul 2018 16:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	12.3	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 3.279 ng
 RT: 17.75 min Scan# 2621
 Delta R.T. -0.04 min
 Lab File: BF107276.D
 Acq: 10 Jul 2018 16:48

Instrument :
 BNA_F
 ClientSampleId :
 TP-9-S

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.4	17.9	26.9
138	21.1	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 7/11/2018 11:22:50 AM

