

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
 Data File : BF105350.D
 Acq On : 12 May 2018 20:50
 Operator : JU/SJ
 Sample : J2706-01DL 50X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 001DL

Manual Integrations
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Sohil
 5/14/2018 3:19:51 PM

Quant Time: May 14 09:01:14 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 11 17:15:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	141772	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	601687	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	271366	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	494835	20.00	ng	0.00
75) Chrysene-d12	14.00	240	300897	20.00	ng	-0.01
86) Perylene-d12	15.55	264	365956	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	20268	2.15	ng	0.00
7) Phenol-d6	6.42	99	30817	2.75	ng	0.00
23) Nitrobenzene-d5	7.35	82	19509	1.89	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	9978	2.85	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	46450	2.47	ng	-0.01
78) Terphenyl-d14	12.90	244	43330	3.10	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	9.85	154	54539	2.971	ng	97
57) Fluorene	10.37	166	56157	3.010	ng	100
70) Phenanthrene	11.33	178	712886	25.563	ng	99
71) Anthracene	11.39	178	225222	7.802	ng	98
72) Carbazole	11.55	167	94317	3.733	ng	98
74) Fluoranthene	12.53	202	991306	35.759	ng	98
77) Pyrene	12.76	202	838866	36.127	ng	99
79) Butylbenzylphthalate	13.39	149	136976	13.391	ng	96
80) Benzo(a)anthracene	13.99	228	378151m	21.525	ng	
82) Chrysene	14.03	228	394970m	22.817	ng	
85) Indeno(1,2,3-cd)pyrene	16.99	276	127609	8.096	ng	96
87) Benzo(b)fluoranthene	15.12	252	421574m	19.326	ng	
88) Benzo(k)fluoranthene	15.14	252	153126m	7.259	ng	
89) Benzo(a)pyrene	15.49	252	283816	13.973	ng	99
90) Dibenzo(a,h)anthracene	17.00	278	38725m	2.033	ng	
91) Benzo(g,h,i)perylene	17.43	276	115887	6.330	ng	96

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

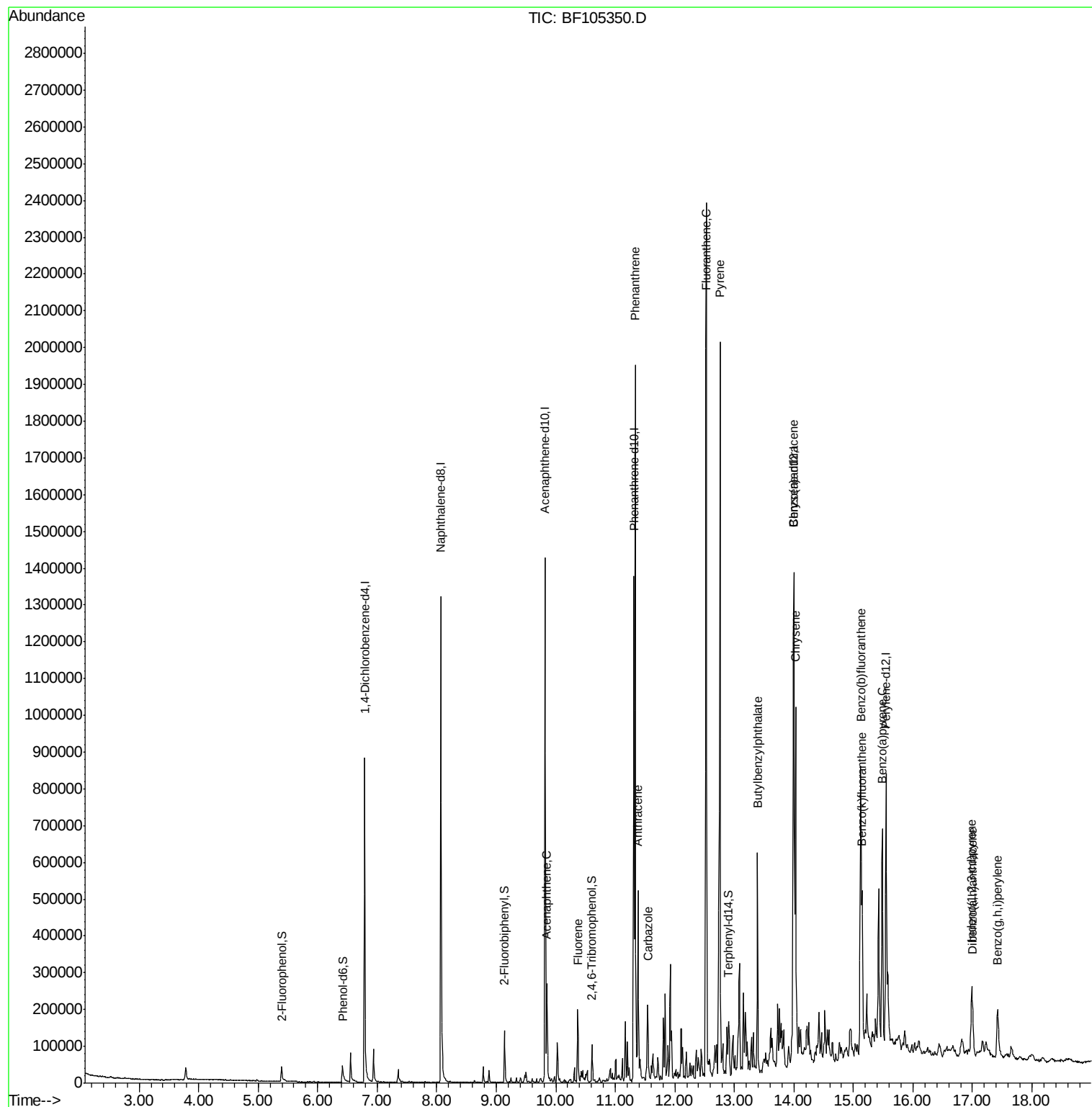
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
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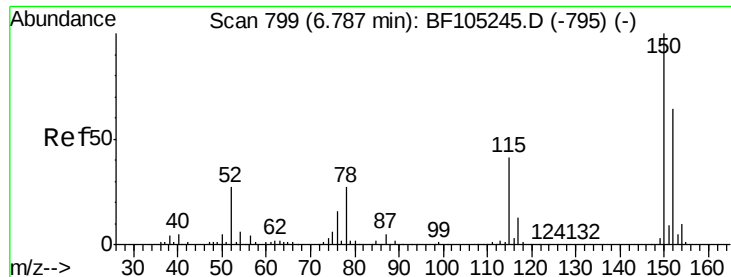
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Quant Time: May 14 09:01:14 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

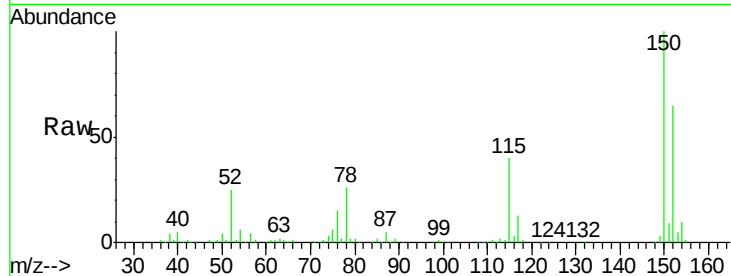
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF105350.D
Acq: 12 May 2018 20:50

Instrument :
BNA_F
ClientSampled :
001DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.6	186.8
115	61.5	50.1	75.1

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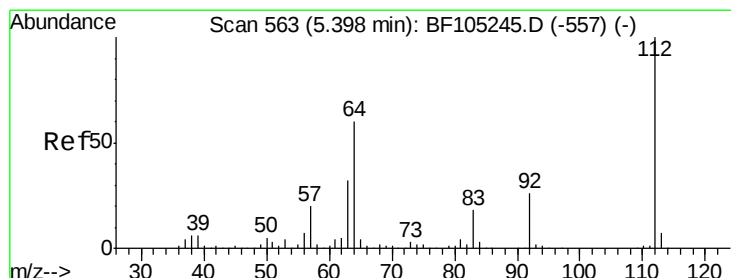
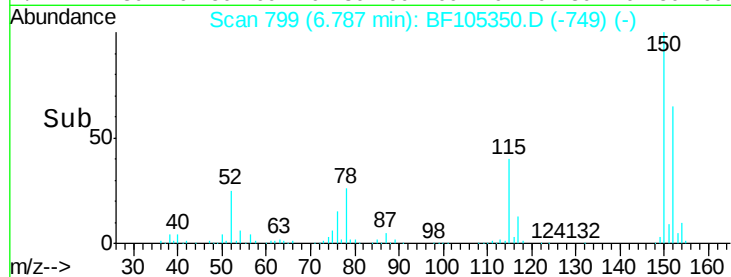
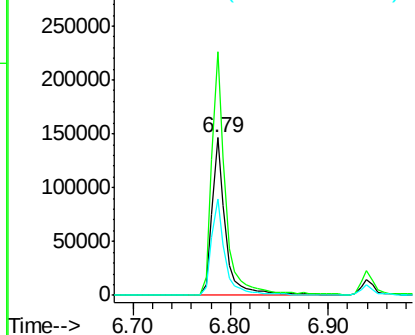


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

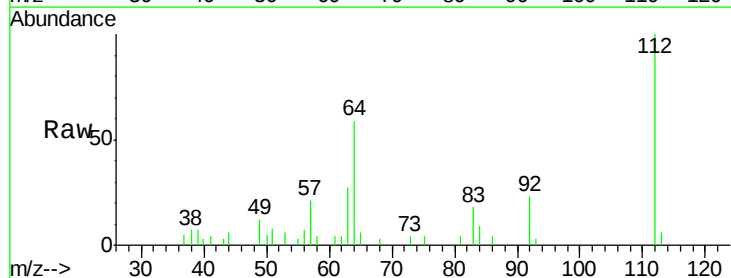
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 2.150 ng
RT: 5.39 min Scan# 562
Delta R.T. -0.01 min
Lab File: BF105350.D
Acq: 12 May 2018 20:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.9	71.9
63	27.3	23.7	35.5

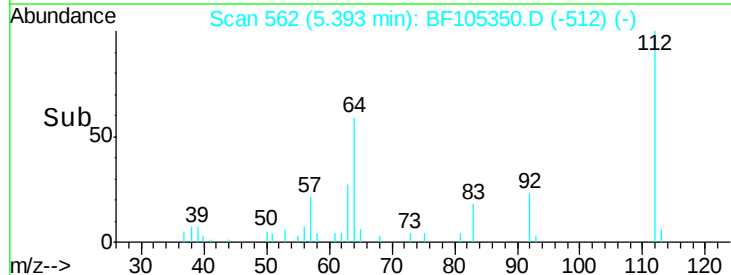
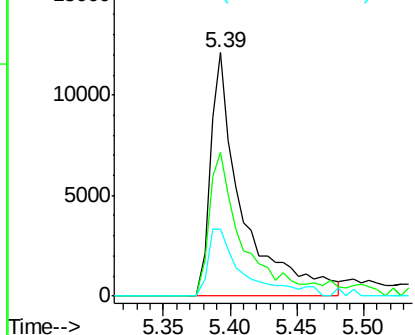


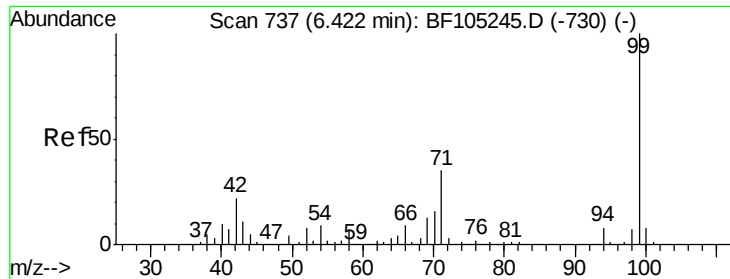
Abundance

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: 2.751 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF105350.D

Acq: 12 May 2018 20:50

Instrument :

BNA_F

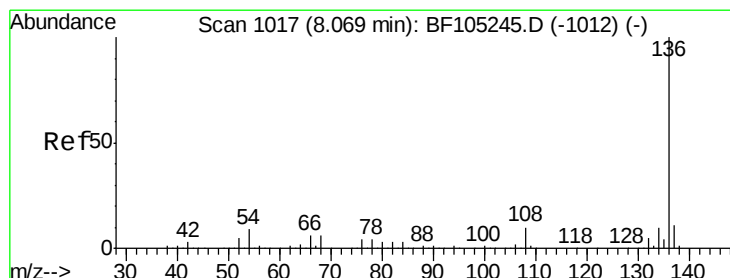
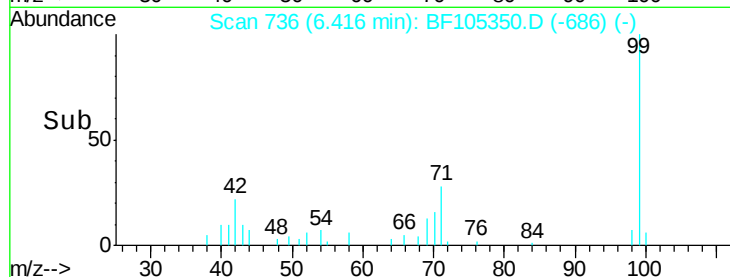
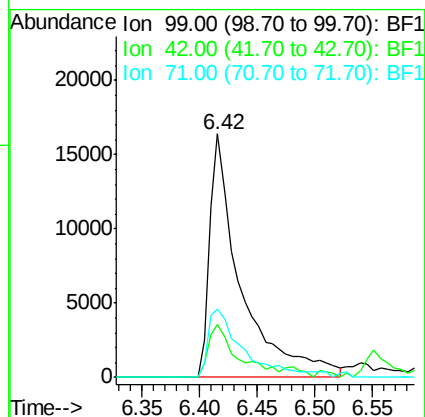
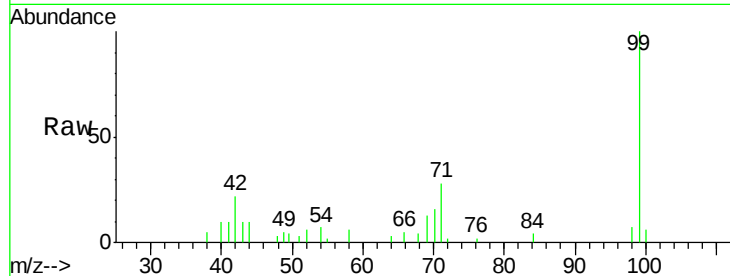
ClientSampled :

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Tot Ion:	99	Resp:	30817
Ion Ratio	Lower	Upper	
99	100		
42	21.9	14.5	21.7#
71	27.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

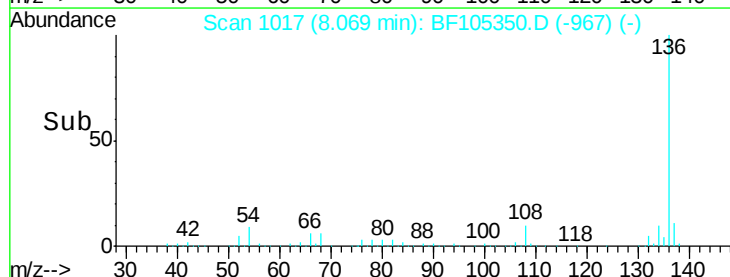
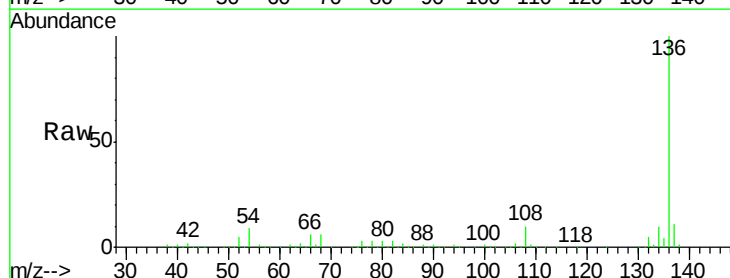
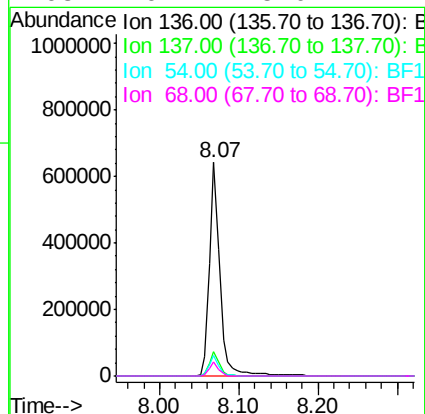
RT: 8.07 min Scan# 1017

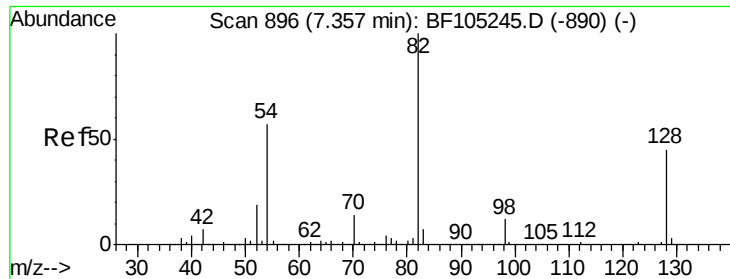
Delta R.T. -0.01 min

Lab File: BF105350.D

Acq: 12 May 2018 20:50

Tgt Ion:	136	Resp:	601687
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	9.4	6.6	9.8
68	6.4	5.0	7.4





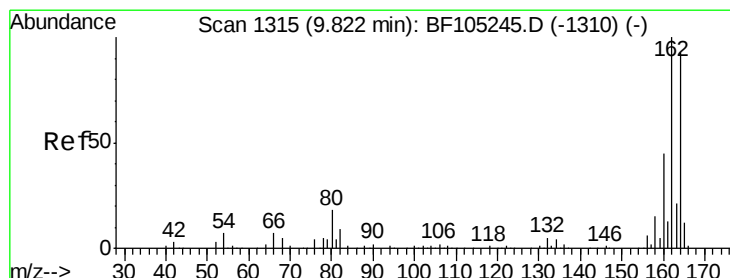
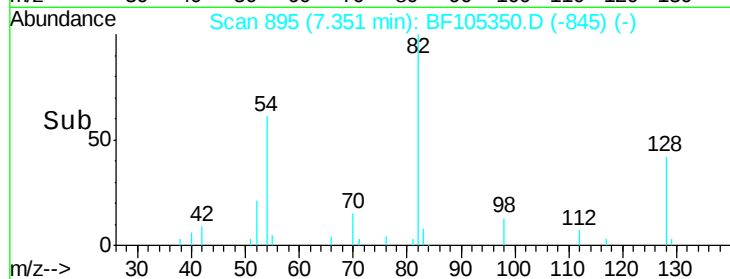
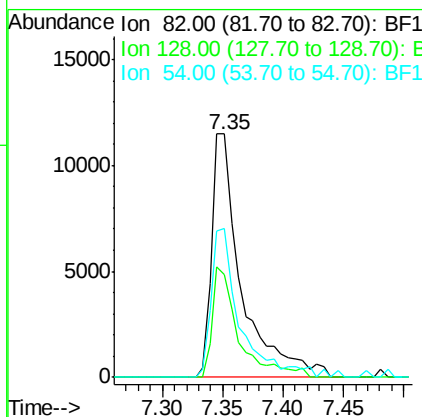
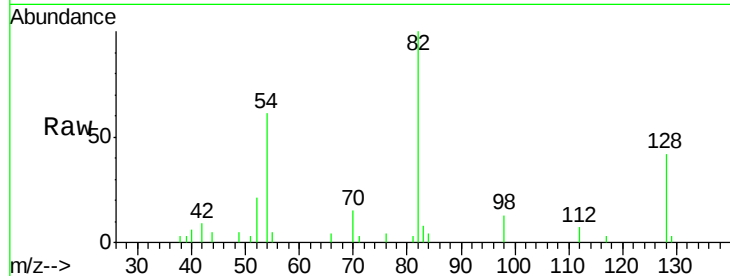
#23
 Nitrobenzene-d5
 Concen: 1.887 ng
 RT: 7.35 min Scan# 895
 Delta R.T. -0.01 min
 Lab File: BF105350.D
 Acq: 12 May 2018 20:50

Instrument :
 BNA_F
 ClientSampled :
 001DL

Tot Ion:	82	Resp:	19509
Ion Ratio	Lower	Upper	
82	100		
128	42.2	36.1	54.1
54	61.1	41.4	62.2

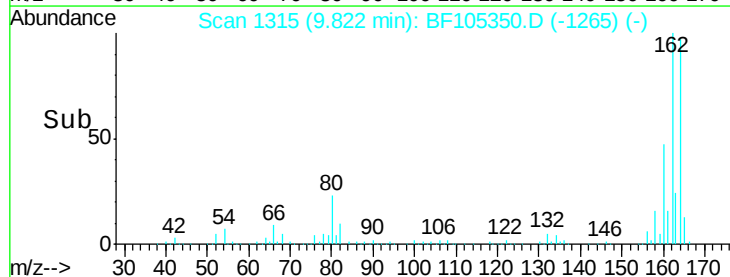
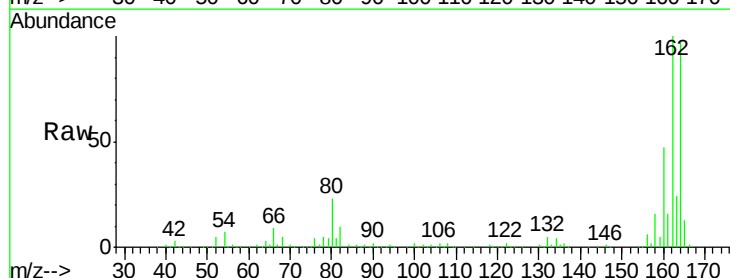
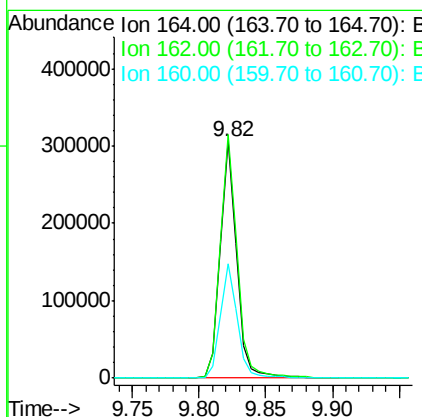
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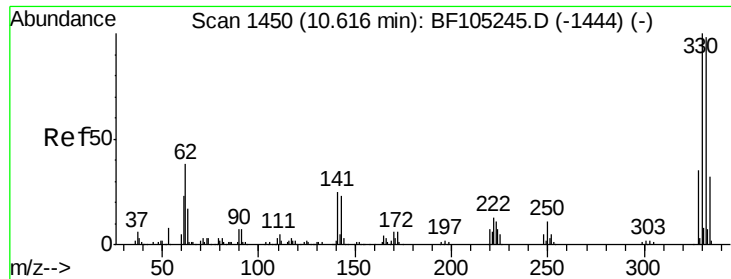
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF105350.D
 Acq: 12 May 2018 20:50

Tgt Ion:	164	Resp:	271366
Ion Ratio	Lower	Upper	
164	100		
162	102.7	86.1	129.1
160	48.2	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 2.846 ng

RT: 10.61 min Scan# 1449

Delta R.T. -0.01 min

Lab File: BF105350.D

Acq: 12 May 2018 20:50

Instrument :

BNA_F

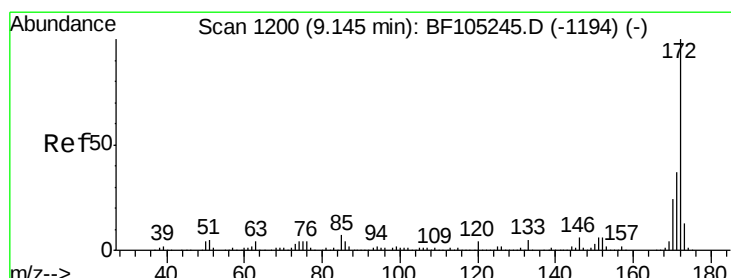
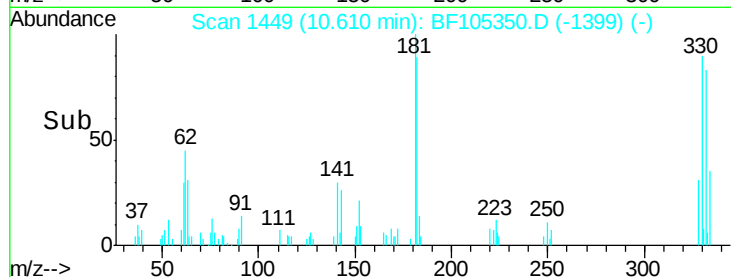
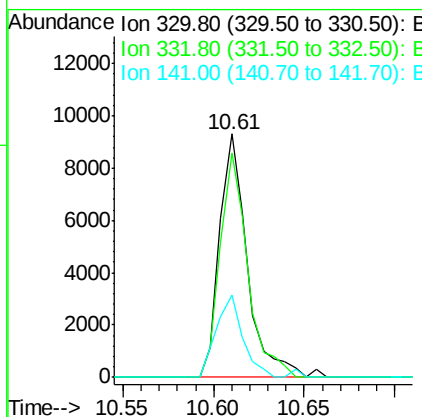
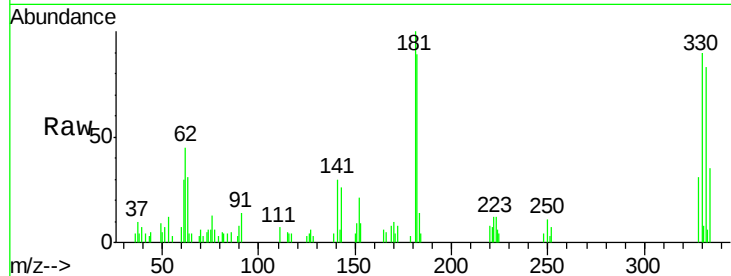
ClientSampled :

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Tot Ion:	330	Resp:	9978
Ion Ratio	Lower	Upper	
330	100		
332	91.1	77.0	115.6
141	32.3	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 2.467 ng

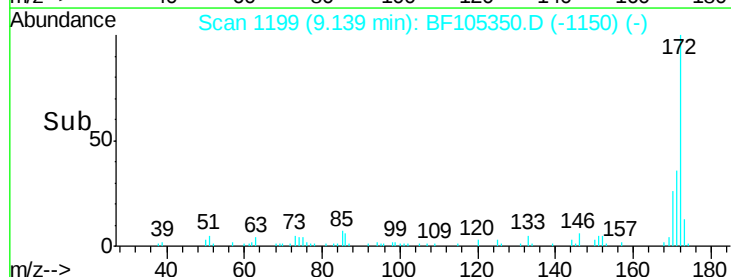
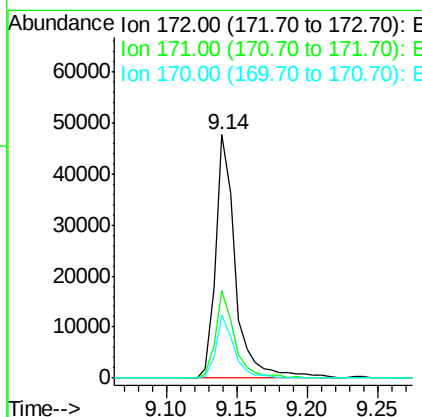
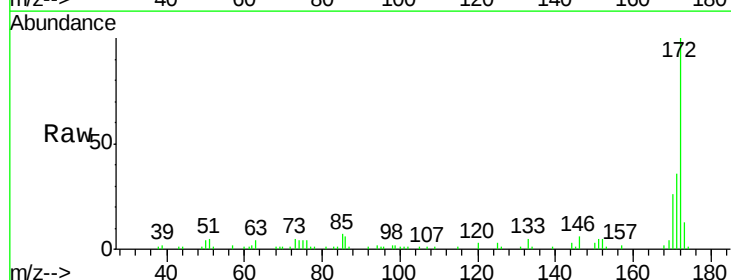
RT: 9.14 min Scan# 1199

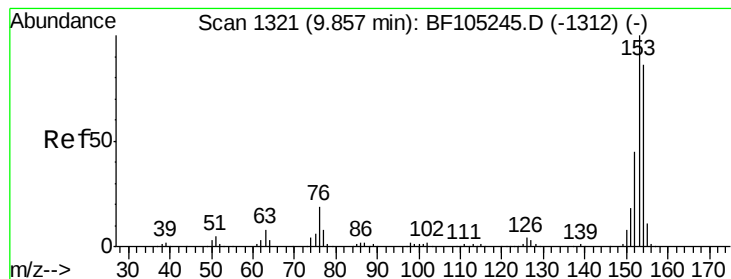
Delta R.T. -0.01 min

Lab File: BF105350.D

Acq: 12 May 2018 20:50

Tgt Ion:	172	Resp:	46450
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.7	44.5
170	25.9	19.6	29.4





#51

Acenaphthene

Concen: 2.971 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF105350.D

Acq: 12 May 2018 20:50

Instrument :

BNA_F

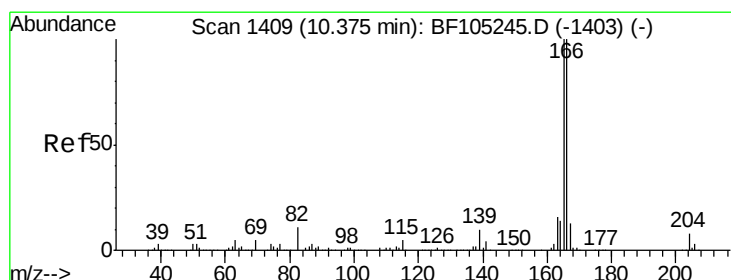
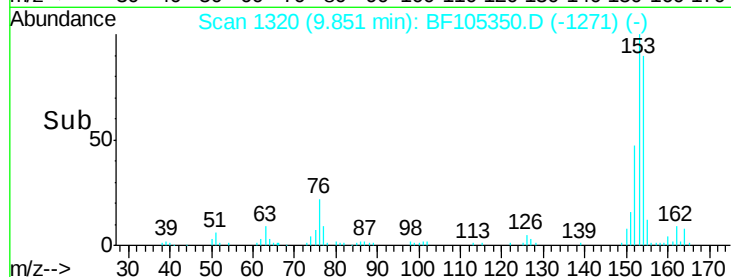
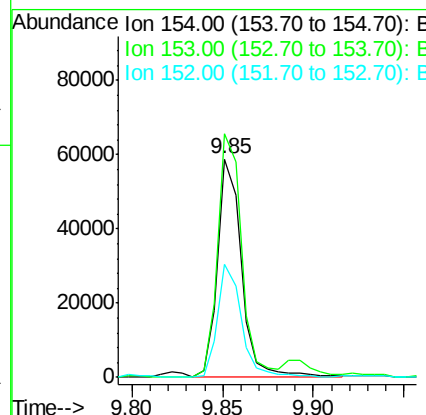
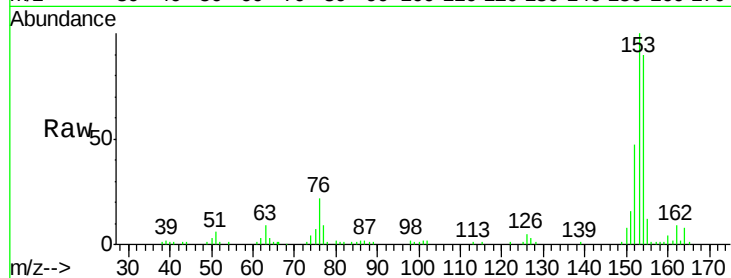
ClientSampleId :

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Tot Ion:	154	Resp:	54539
Ion Ratio	Lower	Upper	
154	100		
153	111.4	91.2	136.8
152	51.9	43.8	65.8

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#57

Fluorene

Concen: 3.010 ng

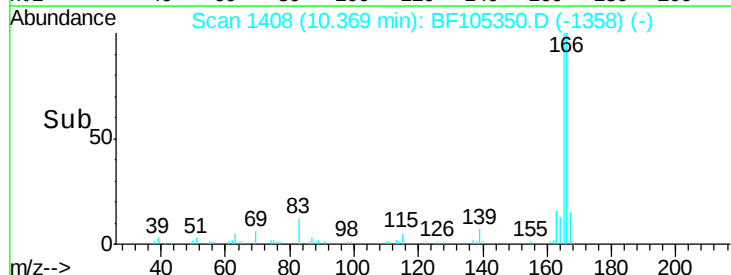
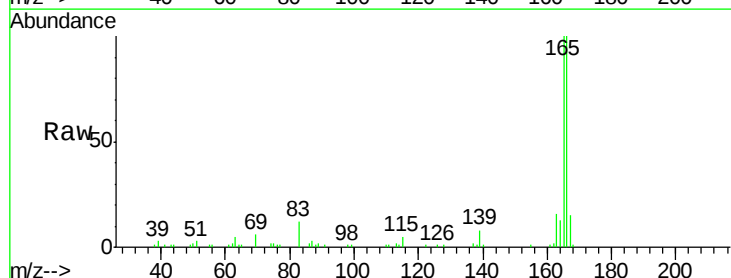
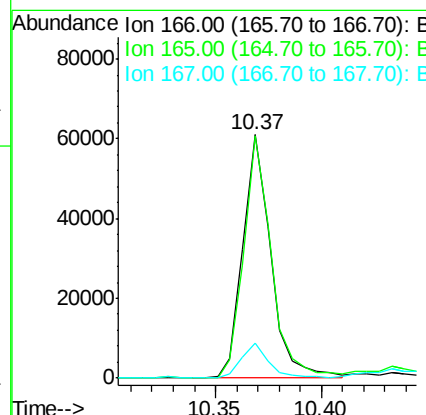
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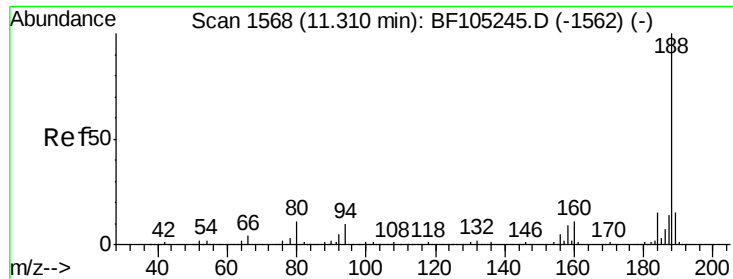
Delta R.T. -0.01 min

Lab File: BF105350.D

Acq: 12 May 2018 20:50

Tgt Ion:	166	Resp:	56157
Ion Ratio	Lower	Upper	
166	100		
165	99.8	79.8	119.8
167	14.6	10.6	16.0





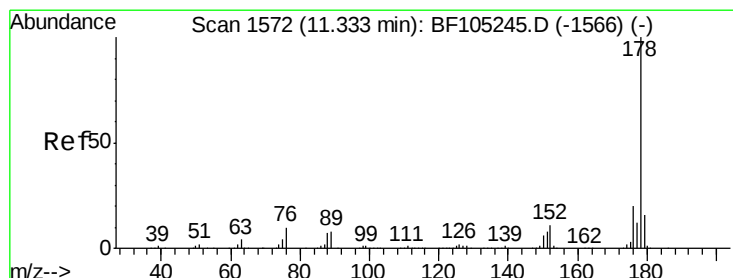
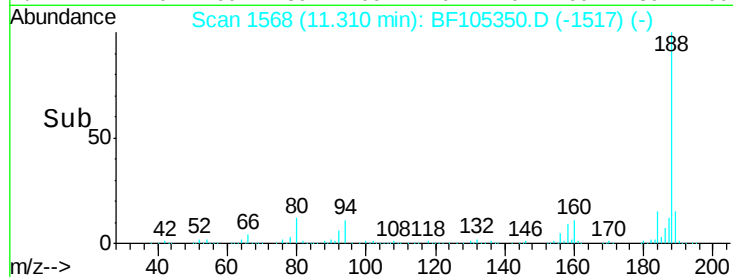
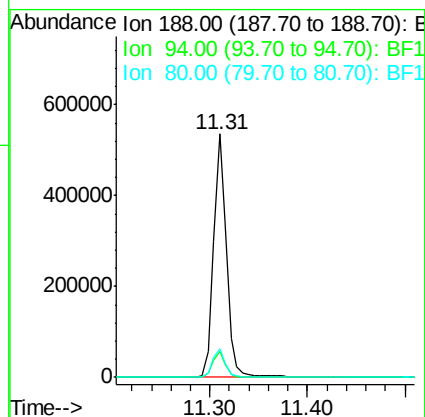
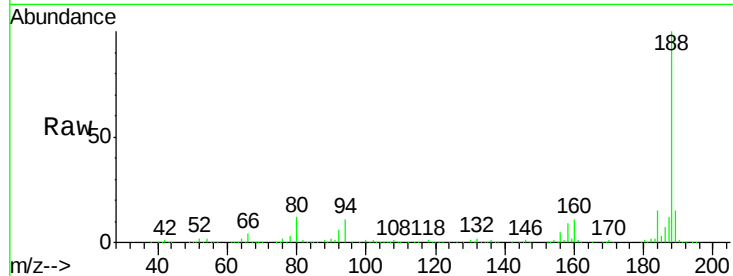
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: BF105350.D
 Acq: 12 May 2018 20:50

Instrument :
 BNA_F
 ClientSampleId :
 001DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	494835		
94	10.7		8.5	12.7
80	11.8		9.2	13.8

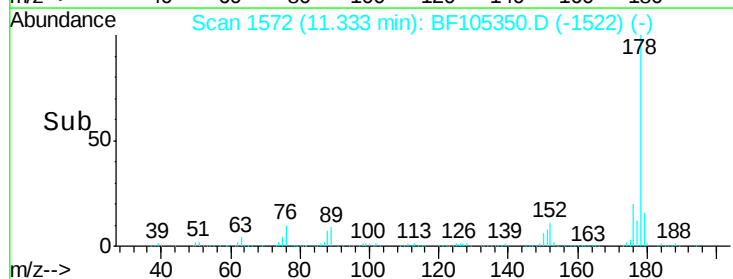
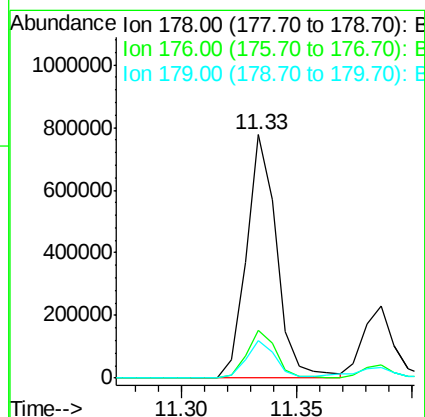
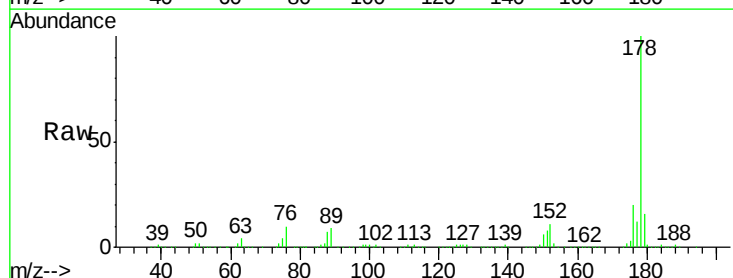
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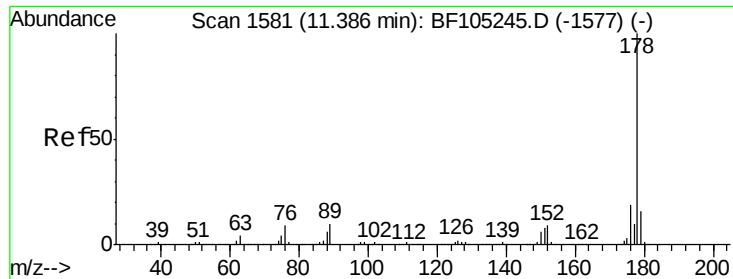
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#70
 Phenanthrene
 Concen: 25.563 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF105350.D
 Acq: 12 May 2018 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	712886		
176	19.7		15.8	23.8
179	15.7		13.0	19.6





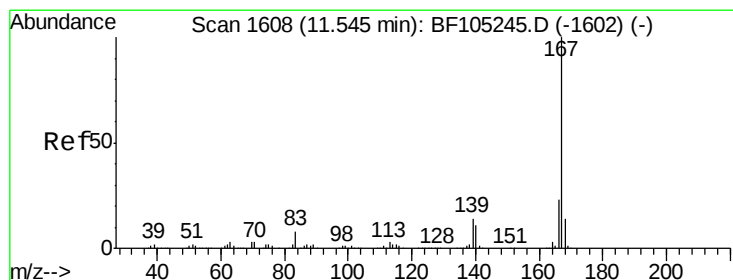
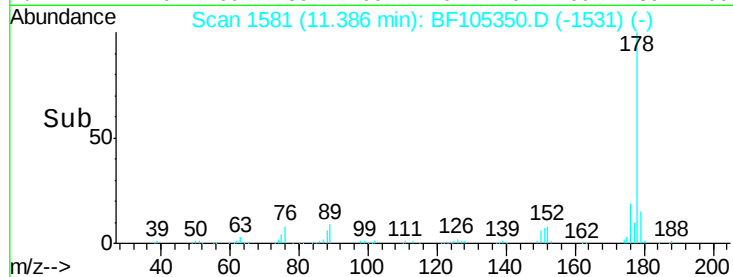
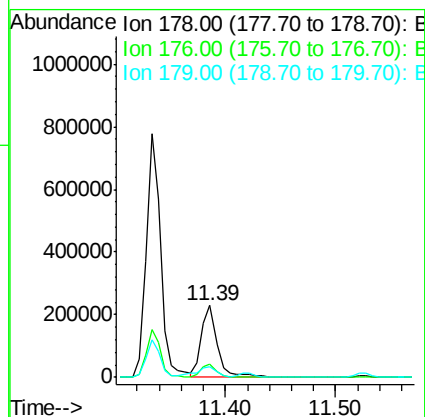
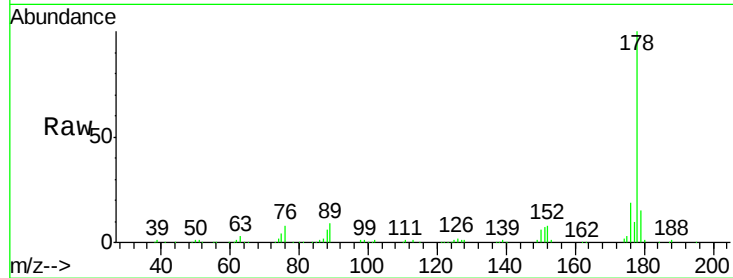
#71
 Anthracene
 Concen: 7.802 ng
 RT: 11.39 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF105350.D
 Acq: 12 May 2018 20:50

Instrument :
 BNA_F
 ClientSampled :
 001DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	14.9	12.6	19.0

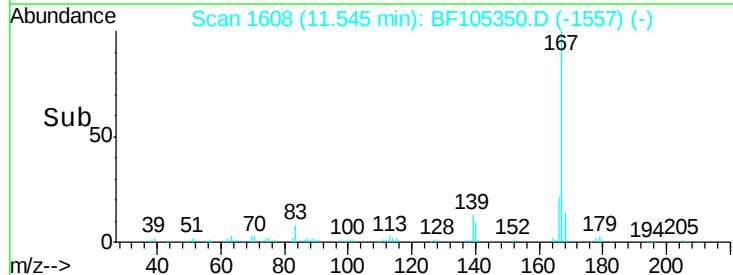
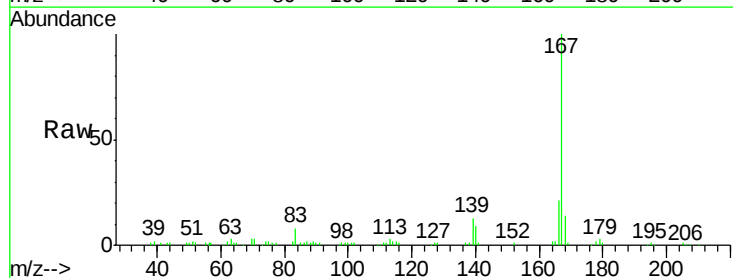
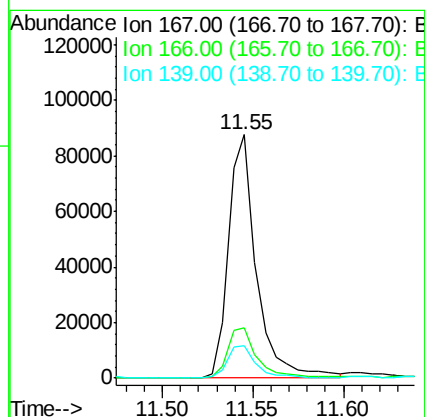
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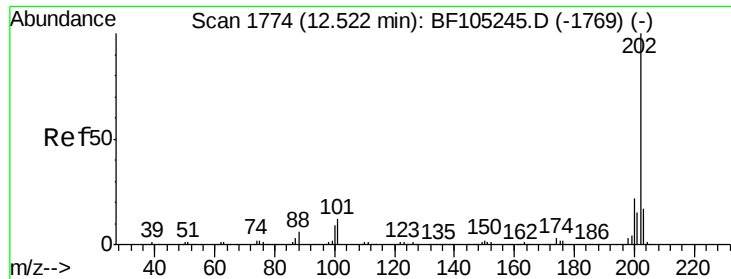
Sohil
 5/14/2018 3:19:51 PM



#72
 Carbazole
 Concen: 3.733 ng
 RT: 11.55 min Scan# 1608
 Delta R.T. 0.00 min
 Lab File: BF105350.D
 Acq: 12 May 2018 20:50

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.6	26.4
139	13.2	10.9	16.3





#74

Fluoranthene

Concen: 35.759 ng

RT: 12.53 min Scan# 1775

Delta R.T. 0.00 min

Lab File: BF105350.D

Acq: 12 May 2018 20:50

Instrument :

BNA_F

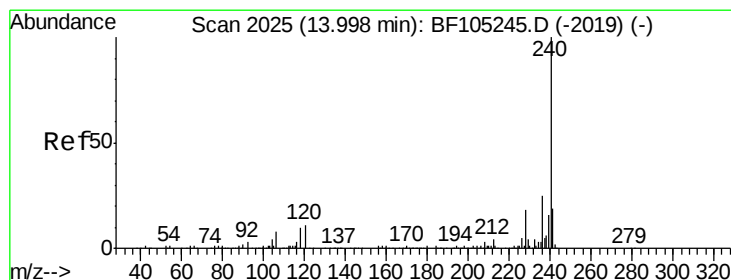
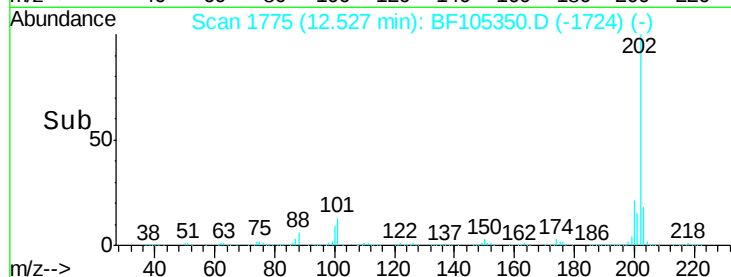
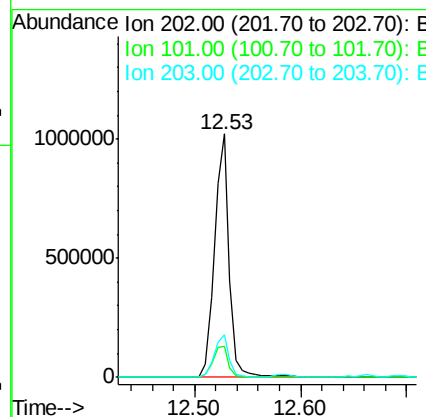
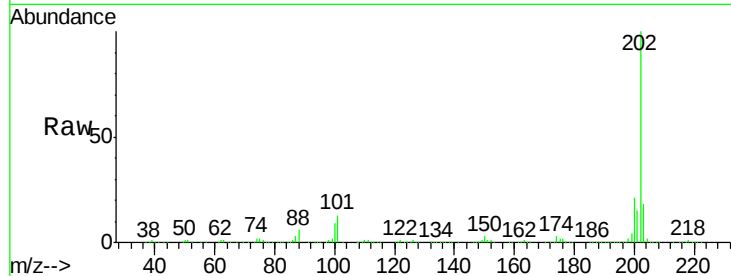
ClientSampleID :

001DL

Tot Ion:	202	Resp:	991306
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	34.1
203	17.7	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

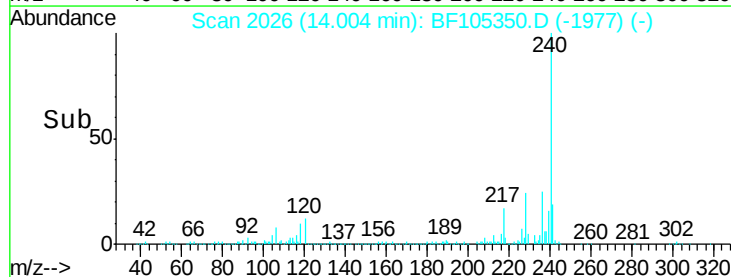
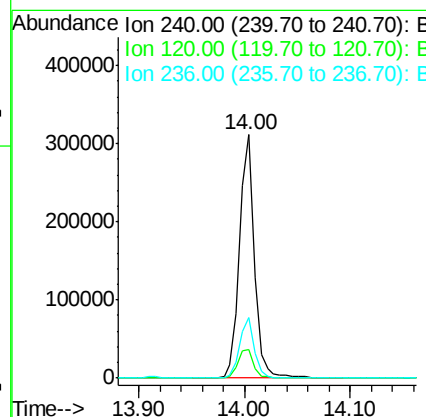
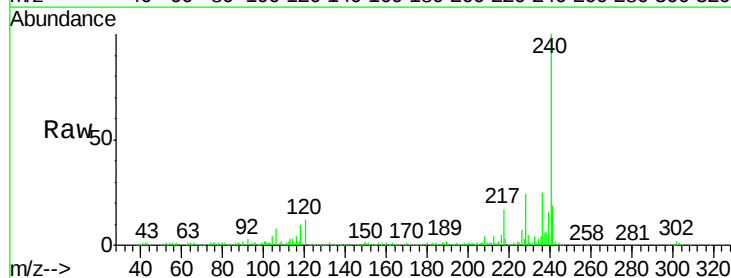
RT: 14.00 min Scan# 2026

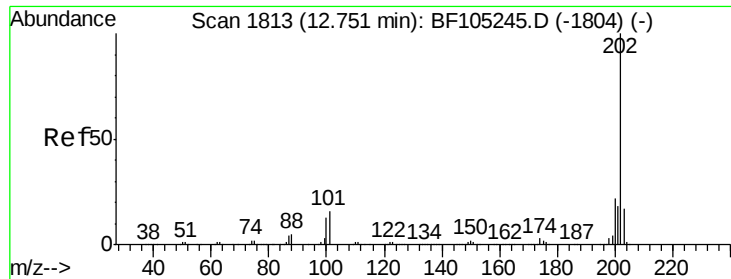
Delta R.T. -0.01 min

Lab File: BF105350.D

Acq: 12 May 2018 20:50

Tgt Ion:	240	Resp:	300897
Ion Ratio	Lower	Upper	
240	100		
120	11.6	9.5	14.3
236	25.0	20.7	31.1





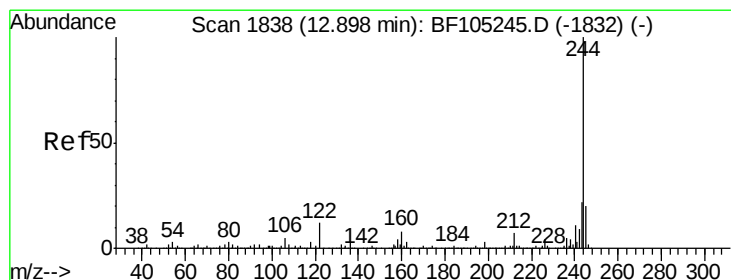
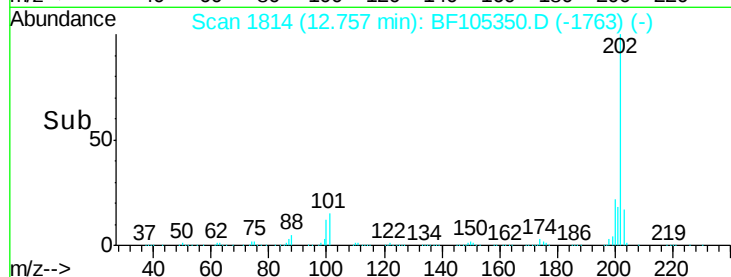
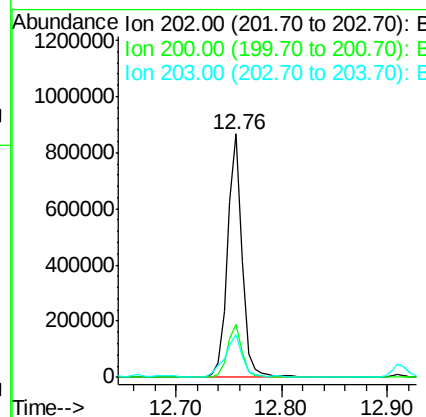
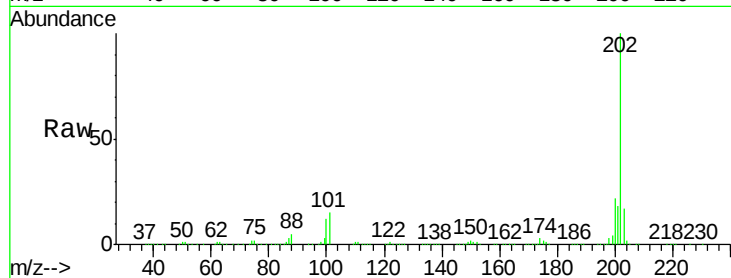
#77
Pvrene
Concen: 36.127 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.00 min
Lab File: BF105350.D
Acq: 12 May 2018 20:50

Instrument :
BNA_F
ClientSampled :
001DL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.5	14.3	21.5

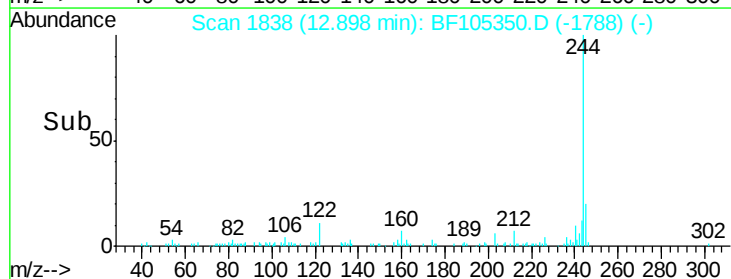
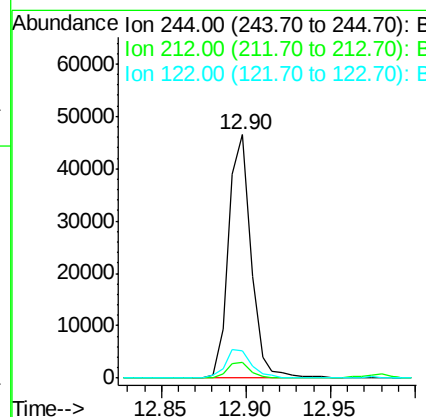
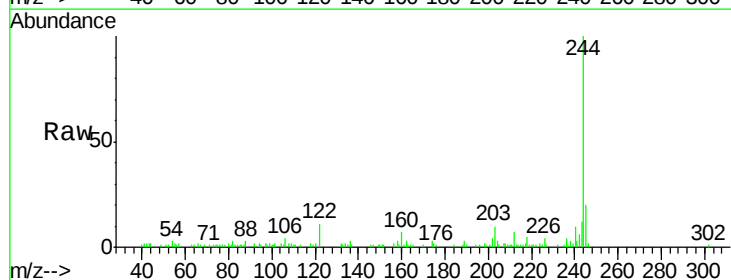
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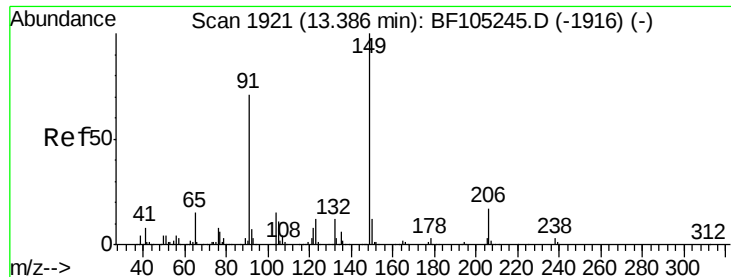
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#78
Terphenyl-d14
Concen: 3.096 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BF105350.D
Acq: 12 May 2018 20:50

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.1	11.0	16.4





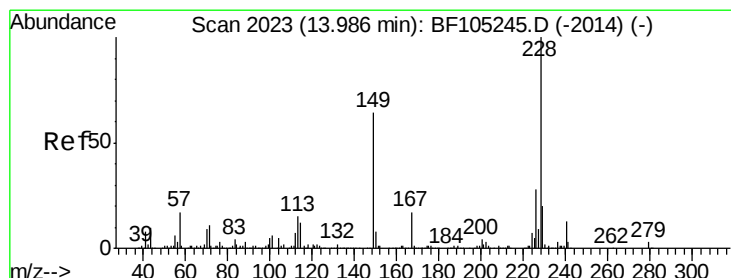
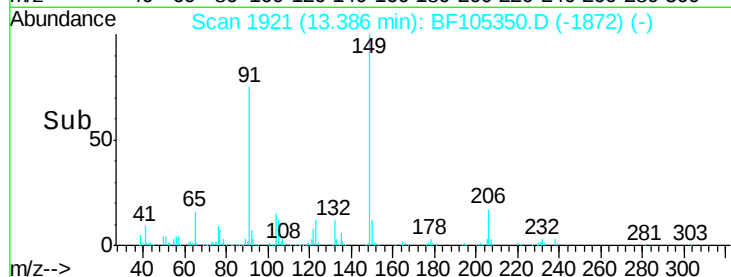
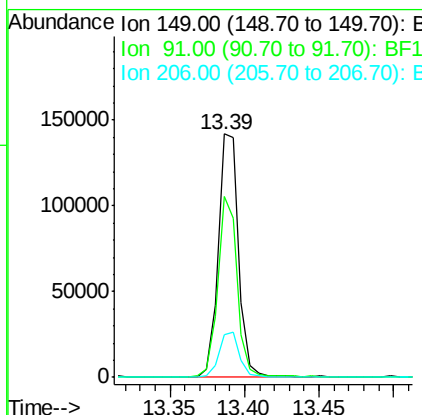
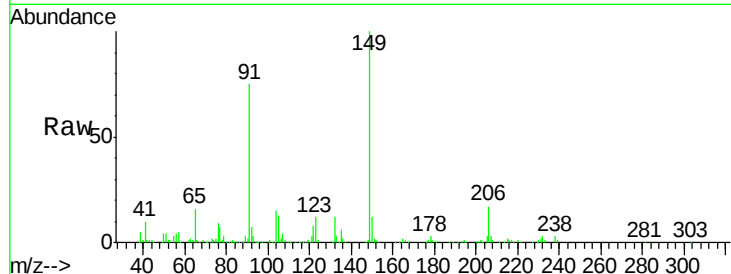
#79
Butylbenzylphthalate
Concen: 13.391 ng
RT: 13.39 min Scan# 1921
Delta R.T. -0.01 min
Lab File: BF105350.D
Acq: 12 May 2018 20:50

Instrument :
BNA_F
ClientSampleID :
001DL

Tot Ion	Ratio	Lower	Upper
149	100		
91	74.5	56.8	85.2
206	17.3	14.1	21.1

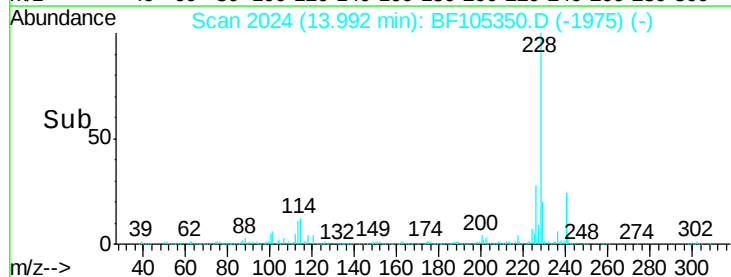
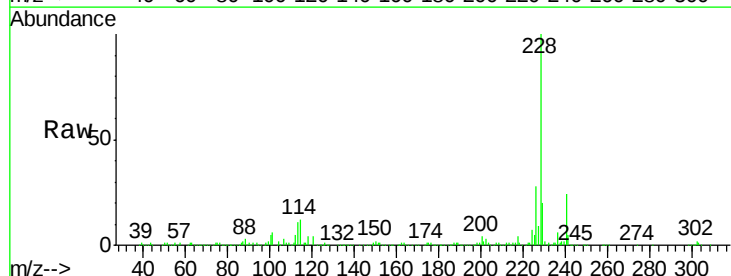
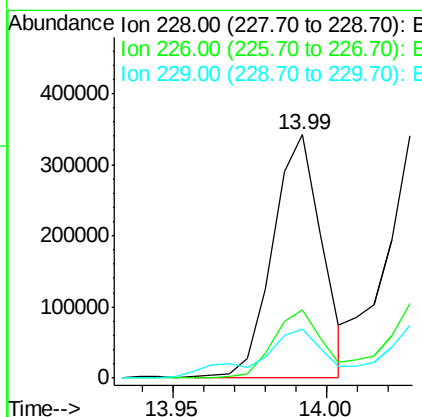
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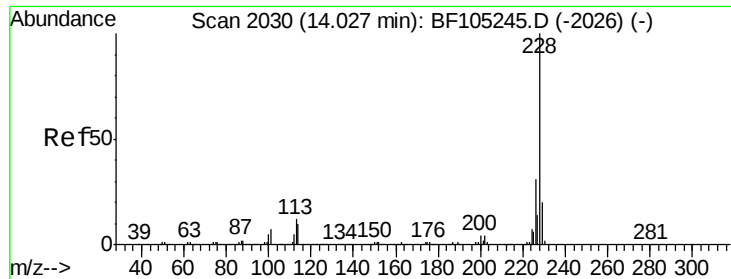
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#80
Benzo(a)anthracene
Concen: 21.525 ng m
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF105350.D
Acq: 12 May 2018 20:50

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	20.2	15.8	23.6





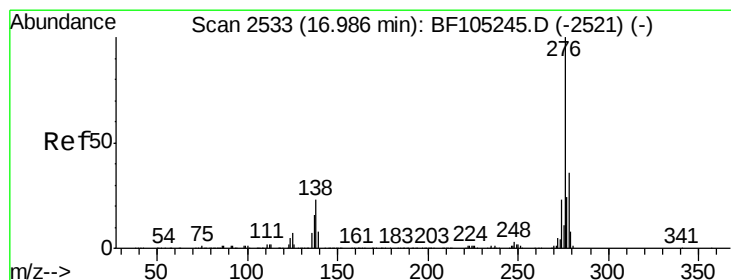
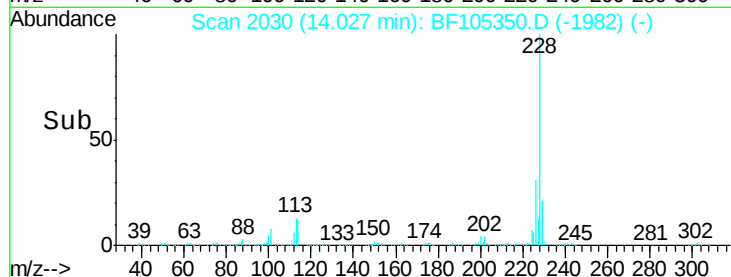
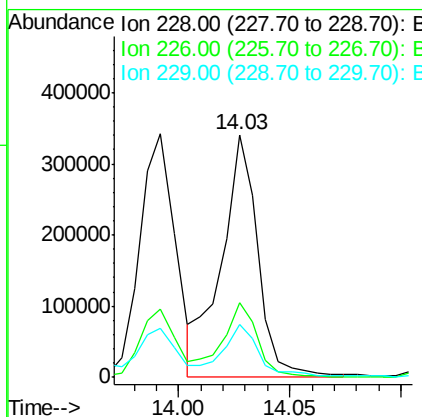
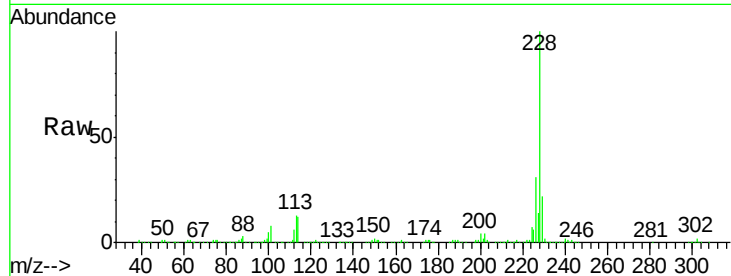
#82
Chrysene
Concen: 22.817 ng/mL
RT: 14.03 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF105350.D
Acq: 12 May 2018 20:50

Instrument :
BNA_F
ClientSampleID :
001DL

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

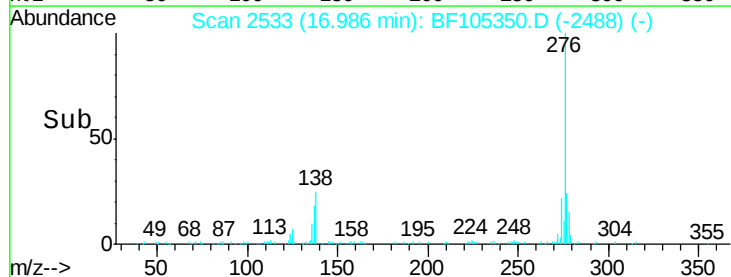
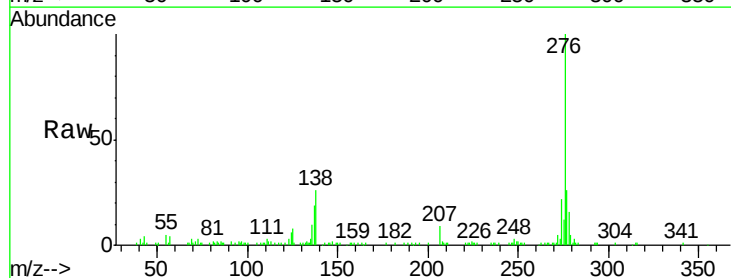
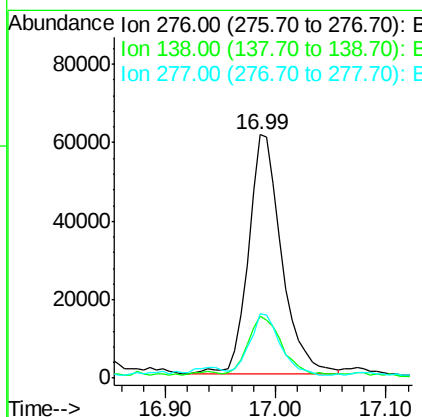
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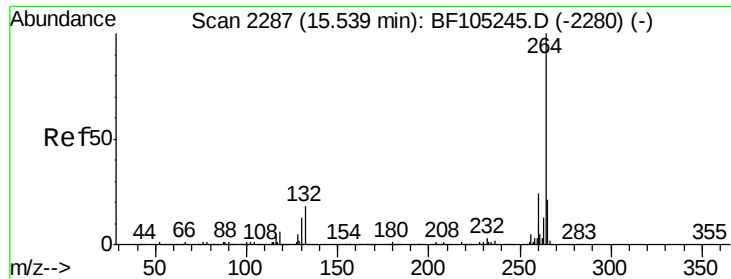
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 8.096 ng/mL
RT: 16.99 min Scan# 2533
Delta R.T. -0.04 min
Lab File: BF105350.D
Acq: 12 May 2018 20:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.7	25.0	37.6
277	24.2	20.1	30.1





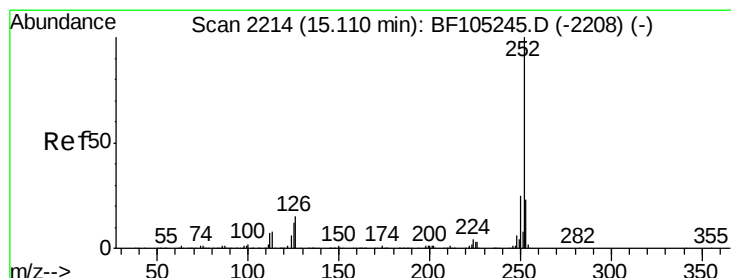
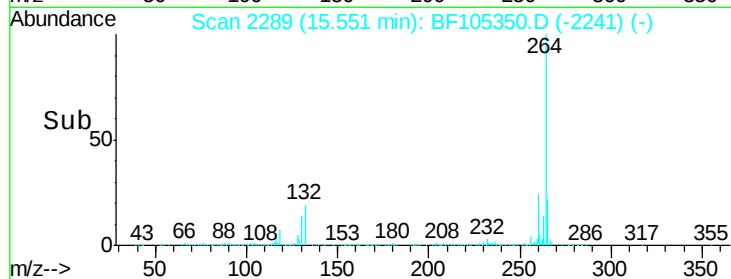
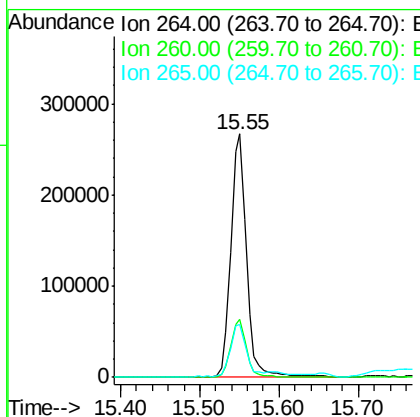
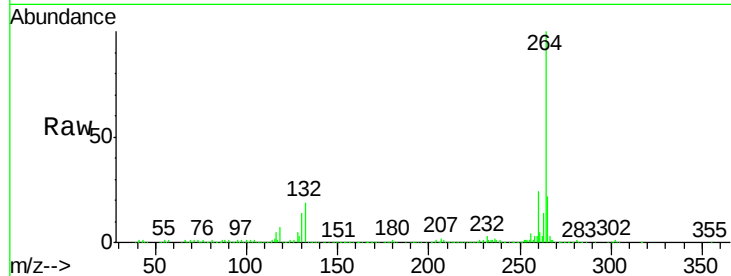
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.02 min
Lab File: BF105350.D
Acq: 12 May 2018 20:50

Instrument :
BNA_F
ClientSampleId :
001DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.8	17.5	26.3

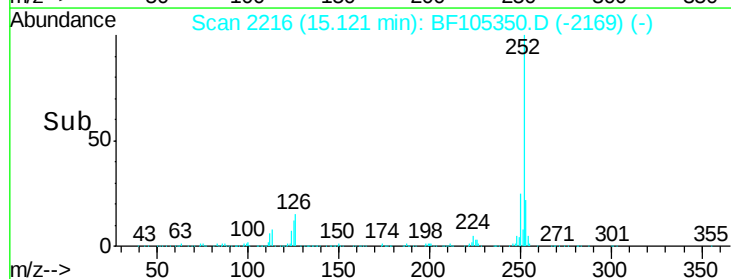
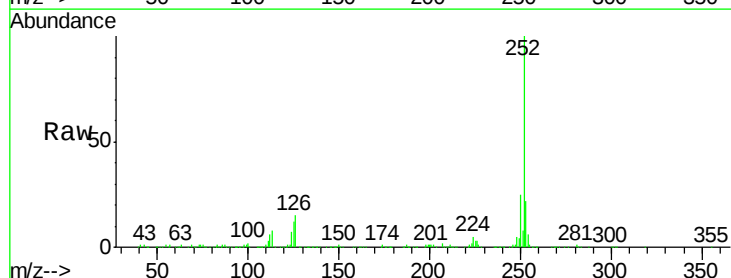
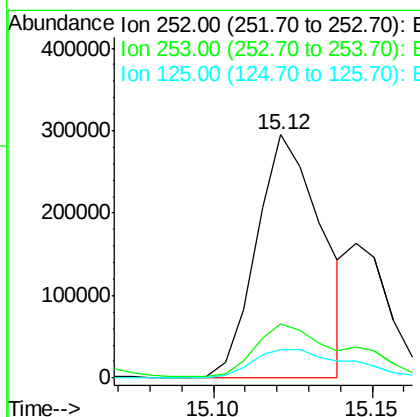
Manual Integrations
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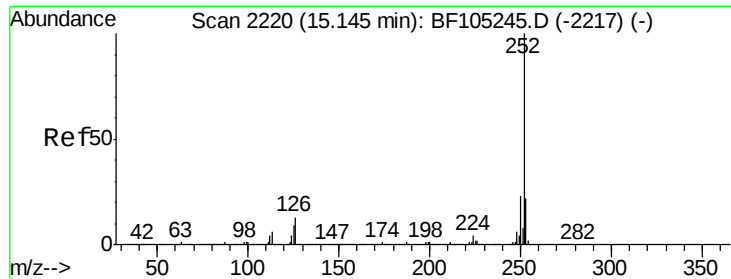
Sohil
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#87
Benzo(b)fluoranthene
Concen: 19.326 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.02 min
Lab File: BF105350.D
Acq: 12 May 2018 20:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	11.9	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 7.259 ng

RT: 15.14 min Scan# 2220

Delta R.T. -0.03 min

Lab File: BF105350.D

Acq: 12 May 2018 20:50

Instrument :

BNA_F

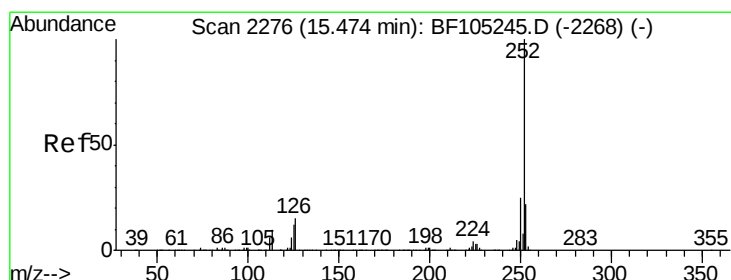
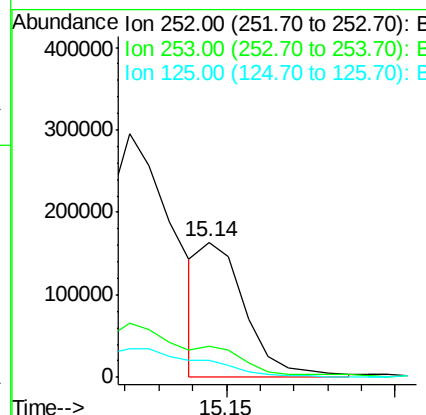
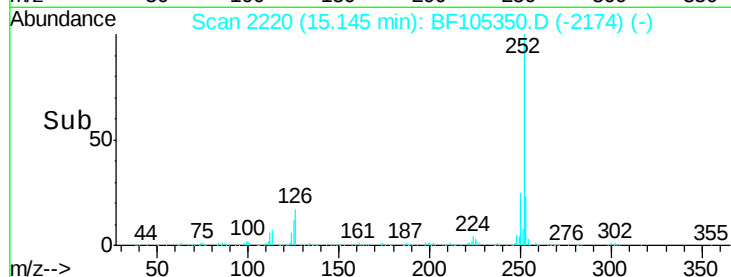
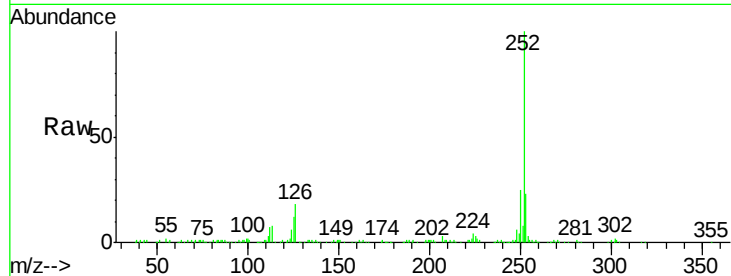
ClientSampleId :

001DL

Tot Ion:	252	Resp:	153126
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.9	26.9
125	12.3	10.2	15.2

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 13.973 ng

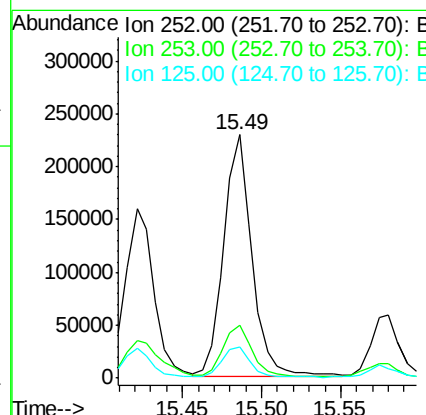
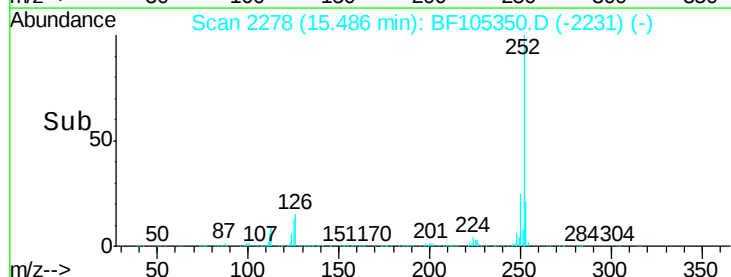
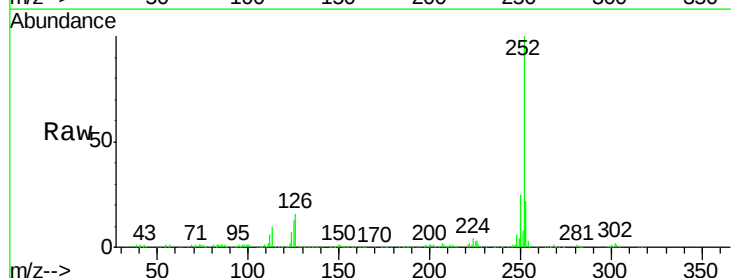
RT: 15.49 min Scan# 2278

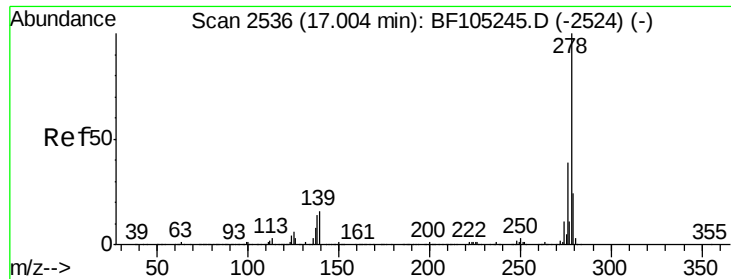
Delta R.T. -0.02 min

Lab File: BF105350.D

Acq: 12 May 2018 20:50

Tgt Ion:	252	Resp:	283816
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.1	25.7
125	12.8	9.8	14.6





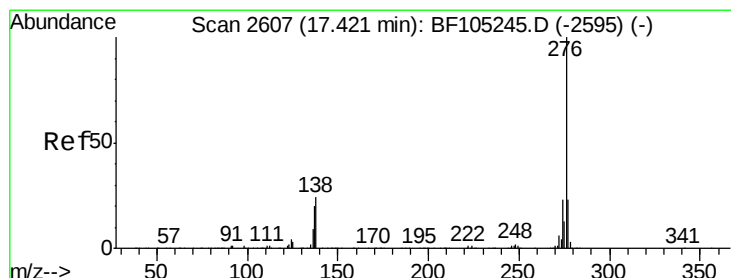
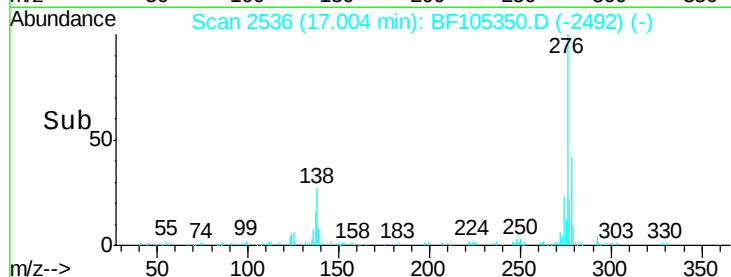
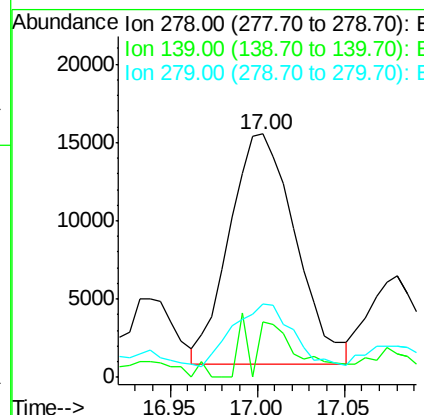
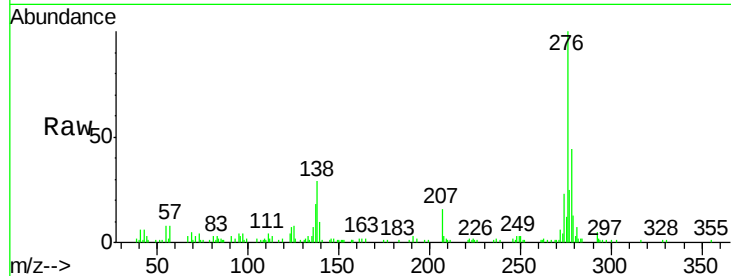
#90
Dibenzo(a,h)anthracene
Concen: 2.033 ng m
RT: 17.00 min Scan# 2536
Delta R.T. -0.04 min
Lab File: BF105350.D
Acq: 12 May 2018 20:50

Instrument :
BNA_F
ClientSampleId :
001DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.8	15.9	23.9
279	30.0	19.0	28.4

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#91
Benzo(g,h,i)perylene
Concen: 6.330 ng
RT: 17.43 min Scan# 2608
Delta R.T. -0.04 min
Lab File: BF105350.D
Acq: 12 May 2018 20:50

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.6	17.9	26.9
138	23.6	21.8	32.8

