

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
 Data File : BF105333.D
 Acq On : 12 May 2018 13:26
 Operator : JU/SJ
 Sample : J2706-03 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 003

Manual Integrations
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Quant Time: May 14 08:43:26 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	162150	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	680009	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	304718	20.00	ng	0.00
63) Phenanthrene-d10	11.31	188	537726	20.00	ng	0.00
75) Chrysene-d12	14.00	240	349062	20.00	ng	-0.02
86) Perylene-d12	15.53	264	408161	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.39	112	114206	10.59	ng	0.00
7) Phenol-d6	6.42	99	233275	18.21	ng	0.00
23) Nitrobenzene-d5	7.35	82	129347	11.07	ng	-0.01
41) 2,4,6-Tribromophenol	10.61	330	18302	4.65	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	266014	12.58	ng	-0.01
78) Terphenyl-d14	12.90	244	236189	14.55	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.09	128	84686	2.558	ng	97
51) Acenaphthene	9.85	154	121196	5.880	ng	98
54) Dibenzofuran	10.03	168	98309	3.551	ng	99
57) Fluorene	10.37	166	119594	5.708	ng	99
59) Diethylphthalate	10.23	149	146821	6.291	ng	97
70) Phenanthrene	11.34	178	1278909	42.202	ng	99
71) Anthracene	11.39	178	418420	13.339	ng	99
72) Carbazole	11.54	167	194996	7.102	ng	99
74) Fluoranthene	12.53	202	1789945	59.418	ng	98
77) Pyrene	12.76	202	1585723	58.868	ng	100
79) Butylbenzylphthalate	13.39	149	46566	3.924	ng	96
80) Benzo(a)anthracene	13.99	228	799584	39.233	ng	99
82) Chrysene	14.03	228	777578	38.721	ng	97
83) Bis(2-ethylhexyl)phthalate	13.97	149	50128	3.489	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	300023	16.409	ng	94
87) Benzo(b)fluoranthene	15.11	252	891177m	36.630	ng	
88) Benzo(k)fluoranthene	15.13	252	284708m	12.101	ng	
89) Benzo(a)pyrene	15.47	252	568616	25.100	ng	97
90) Dibenzo(a,h)anthracene	16.99	278	88708	4.176	ng	94
91) Benzo(a,h,i)perylene	17.42	276	280769	13.751	ng	96

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

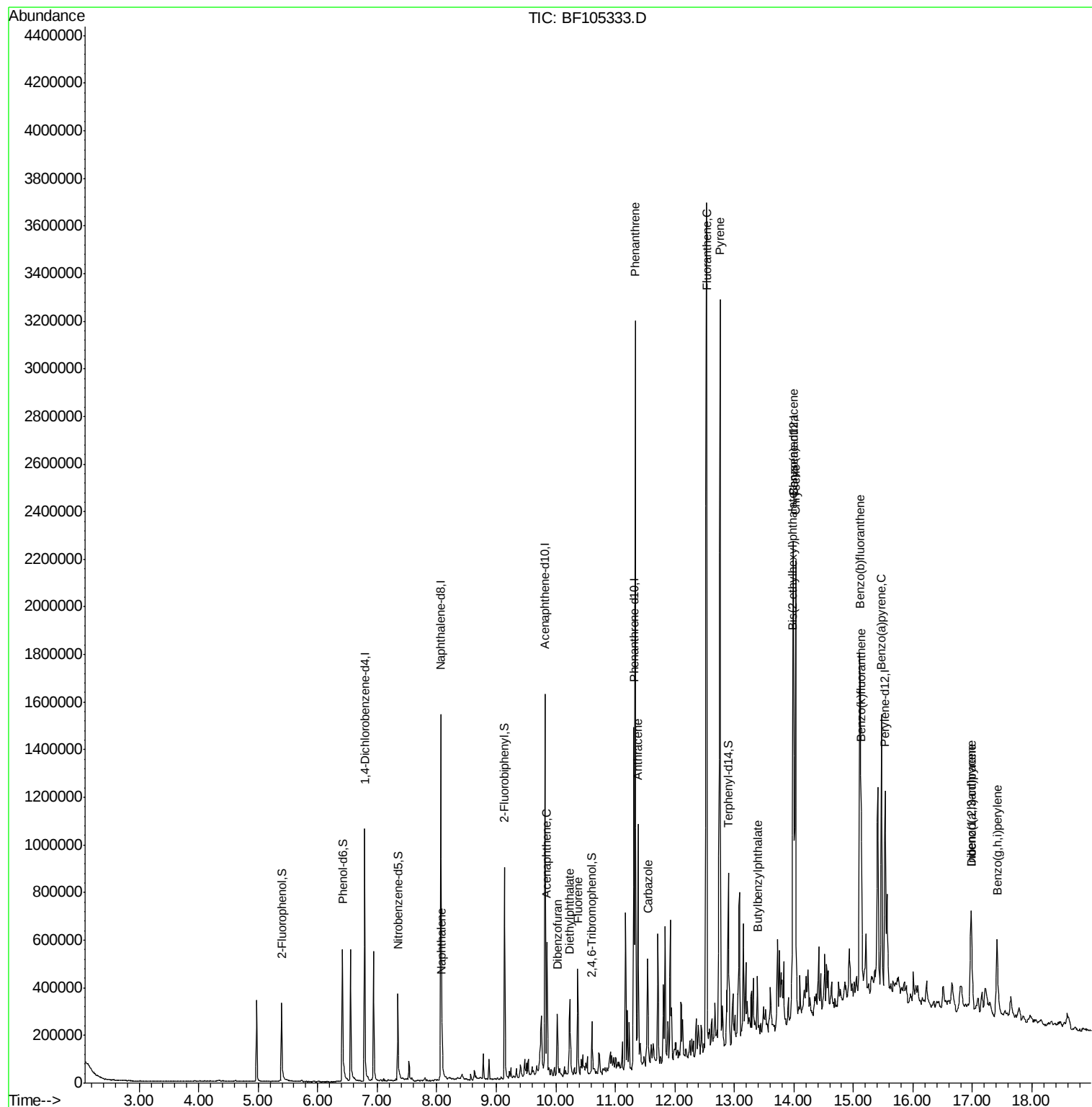
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
Data File : BF105333.D
Acq On : 12 May 2018 13:26
Operator : JU/SJ
Sample : J2706-03 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

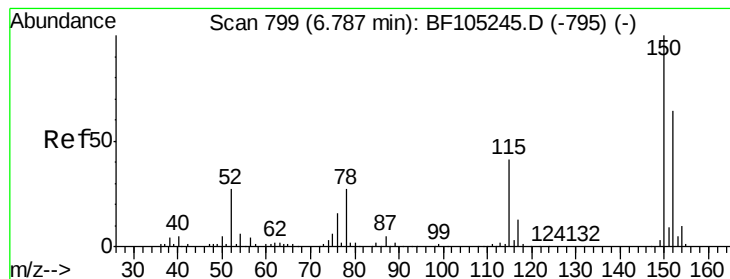
Instrument :
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ClientSampleId :
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Quant Time: May 14 08:43:26 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

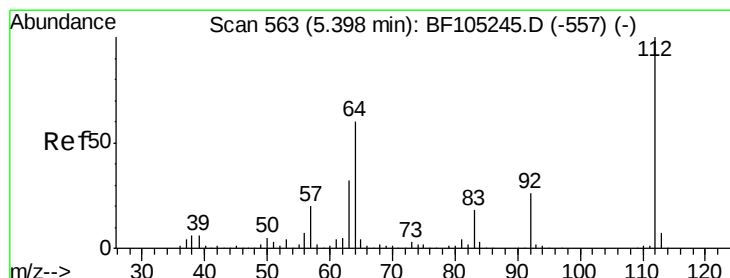
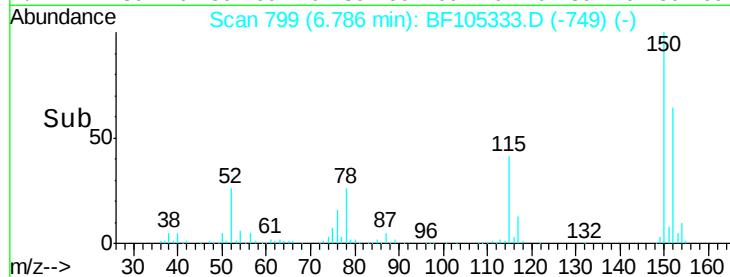
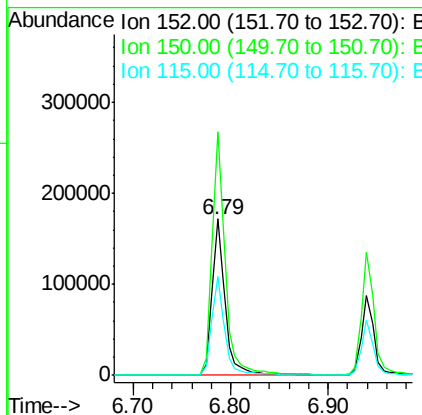
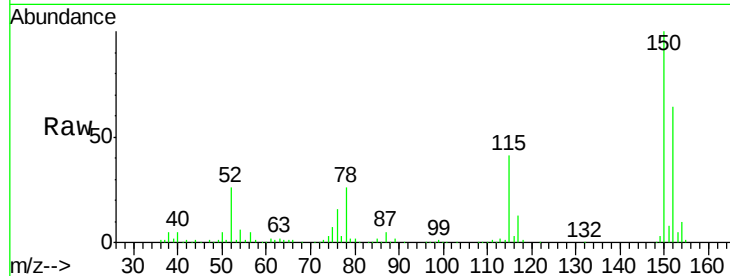
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF105333.D
Acq: 12 May 2018 13:26

Instrument :
BNA_F
ClientSampleId :
003

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	63.2	50.1	75.1

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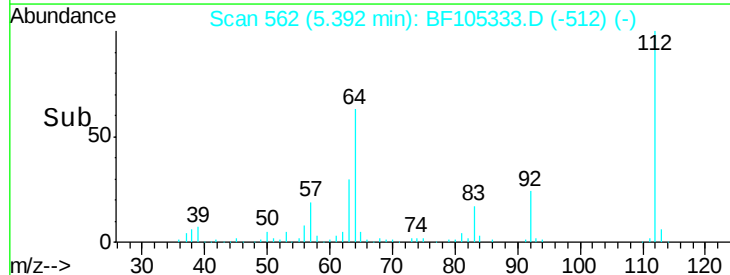
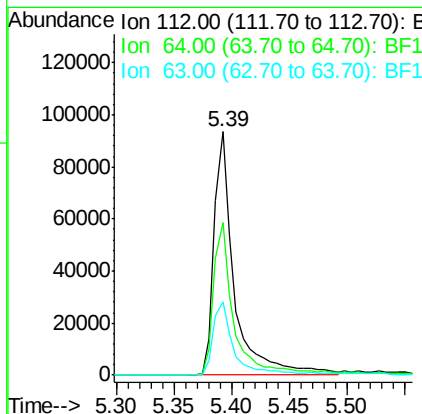
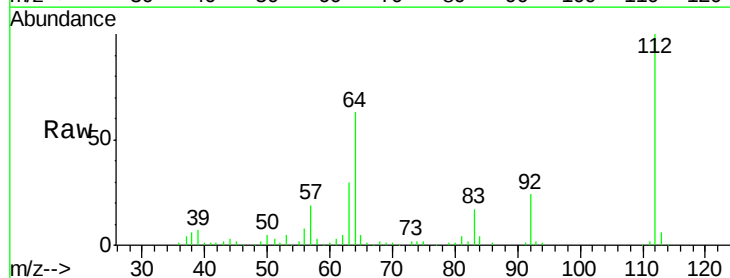
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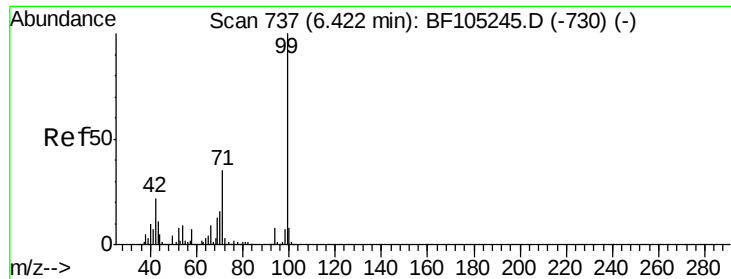


#5

2-Fluorophenol
Concen: 10.593 ng
RT: 5.39 min Scan# 562
Delta R.T. -0.01 min
Lab File: BF105333.D
Acq: 12 May 2018 13:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.7	47.9	71.9
63	30.4	23.7	35.5





#7

Phenol-d6

Concen: 18.209 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF105333.D

Acq: 12 May 2018 13:26

Instrument :

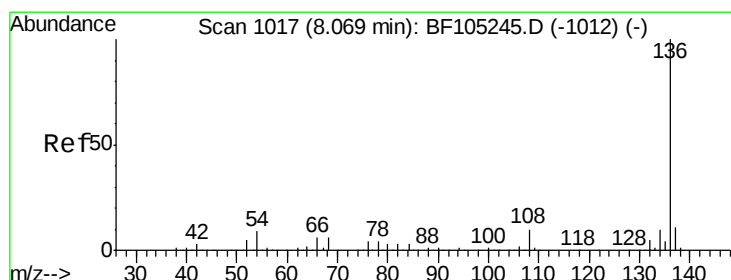
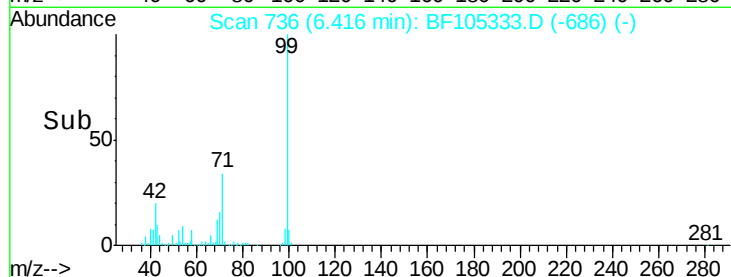
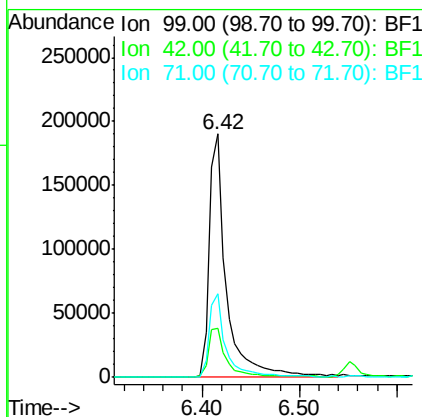
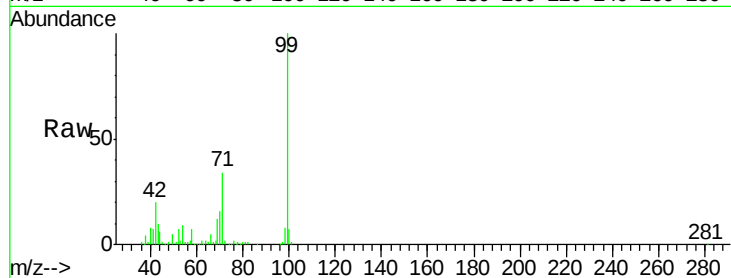
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003

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		233275		
42	20.1	14.5	21.7		
71	34.5	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

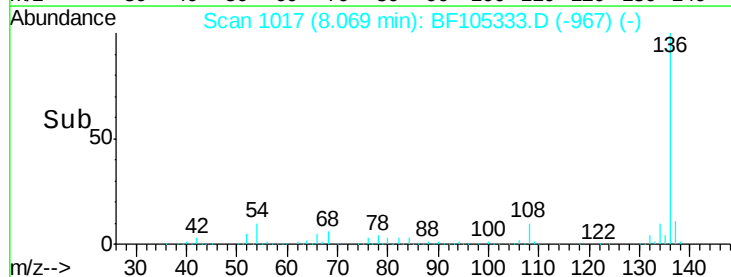
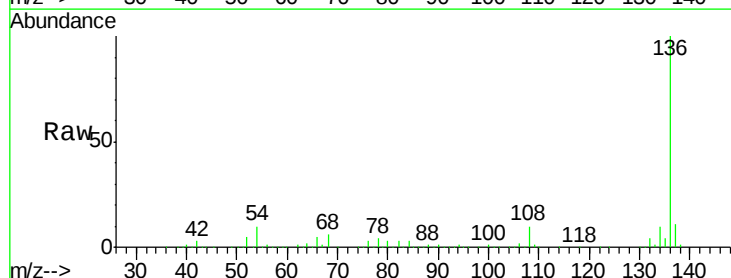
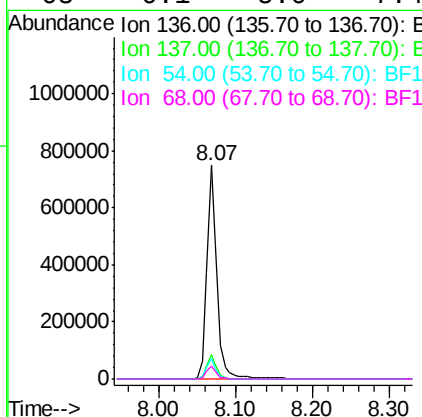
RT: 8.07 min Scan# 1017

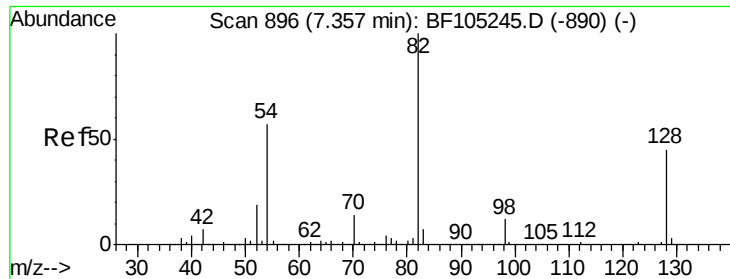
Delta R.T. -0.01 min

Lab File: BF105333.D

Acq: 12 May 2018 13:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		680009		
137	11.2	8.9	13.3		
54	9.5	6.6	9.8		
68	6.1	5.0	7.4		





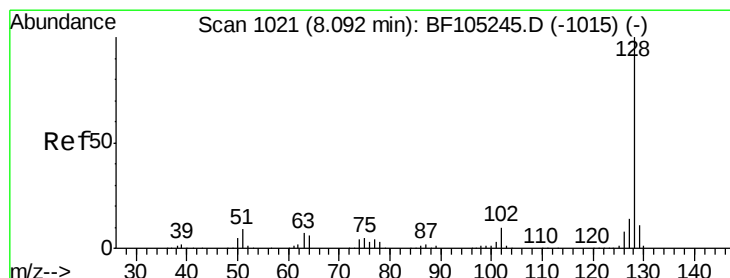
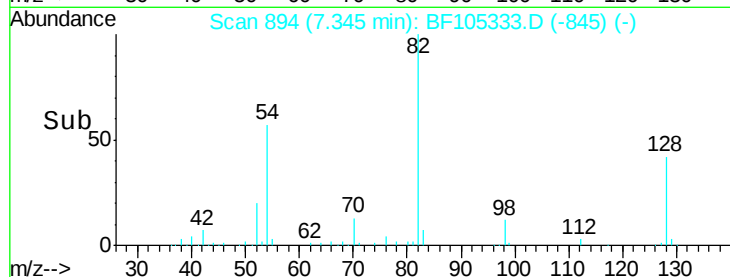
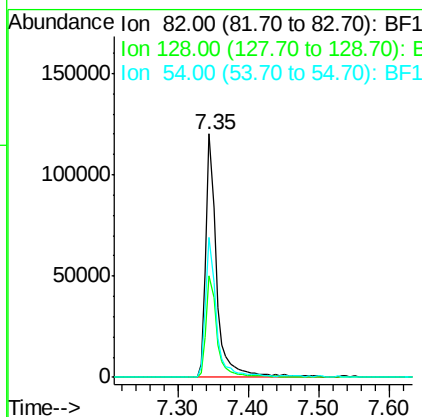
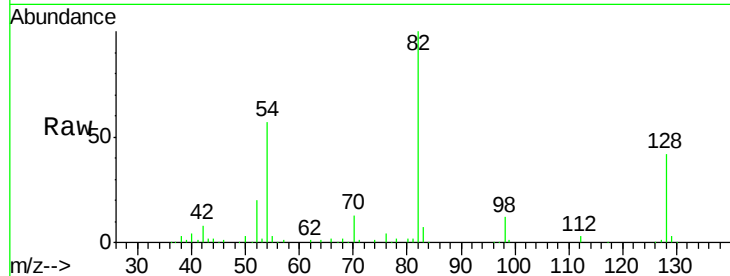
#23
Nitrobenzene-d5
Concen: 11.071 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF105333.D
Acq: 12 May 2018 13:26

Instrument :
BNA_F
ClientSampled :
003

Tot Ion	82	Resp	129347
Ion Ratio	Lower	Upper	
82	100		
128	41.7	36.1	54.1
54	57.2	41.4	62.2

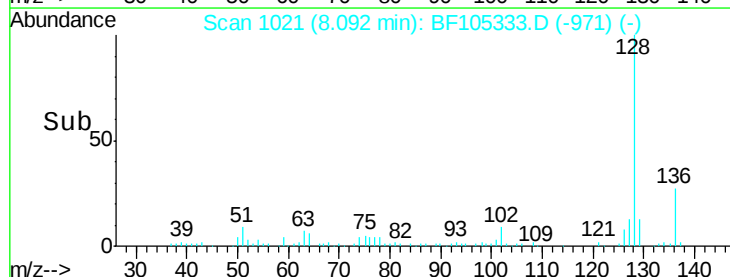
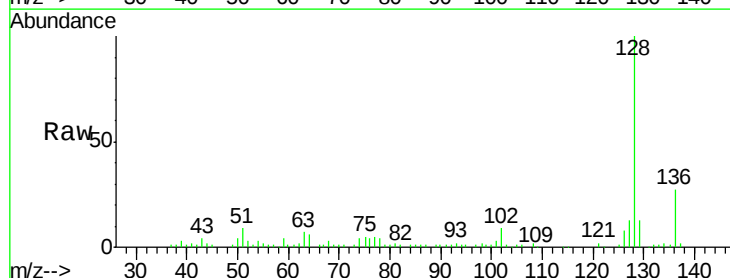
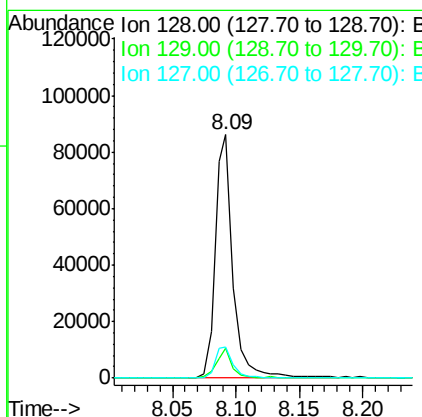
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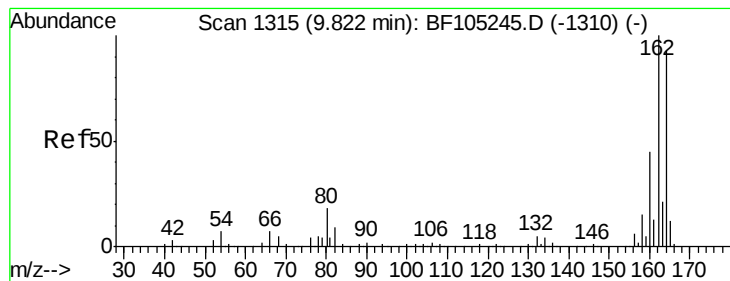
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#31
Naphthalene
Concen: 2.558 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF105333.D
Acq: 12 May 2018 13:26

Tgt Ion	128	Resp	84686
Ion Ratio	Lower	Upper	
128	100		
129	12.5	8.8	13.2
127	13.0	10.9	16.3





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF105333.D

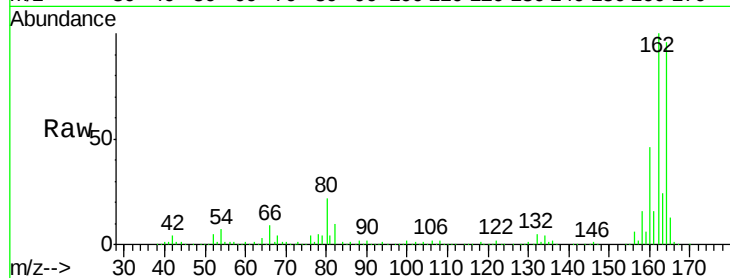
Acq: 12 May 2018 13:26

Instrument :

BNA_F

ClientSampleId :

003



Tot Ion:164 Resp: 304718

Ion Ratio Lower Upper

164 100

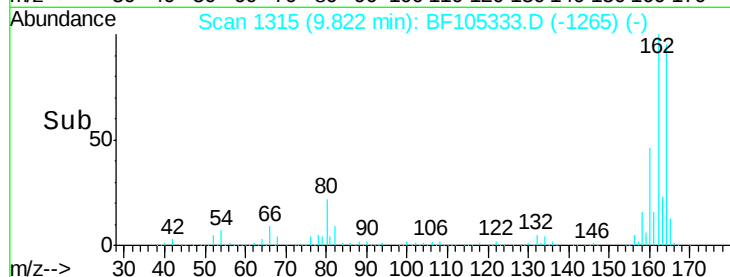
162 104.7 86.1 129.1

160 47.7 38.3 57.5

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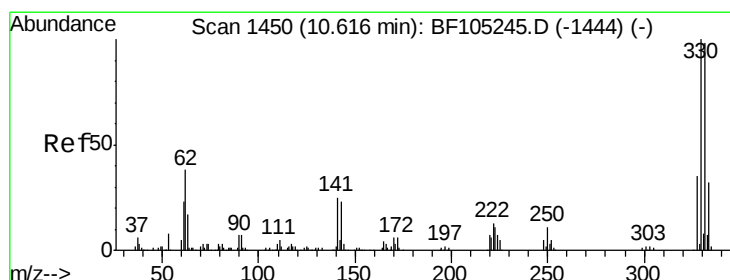
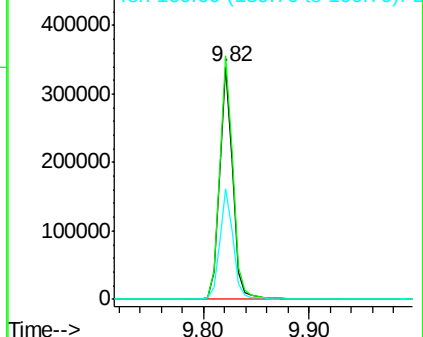
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Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 4.649 ng

RT: 10.61 min Scan# 1449

Delta R.T. -0.01 min

Lab File: BF105333.D

Acq: 12 May 2018 13:26

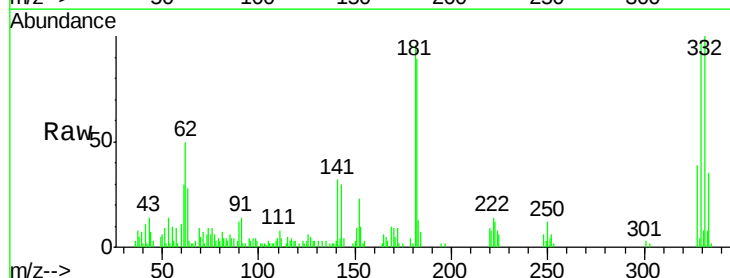
Tgt Ion:330 Resp: 18302

Ion Ratio Lower Upper

330 100

332 98.3 77.0 115.6

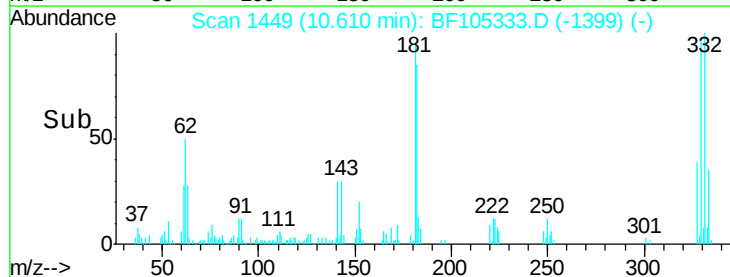
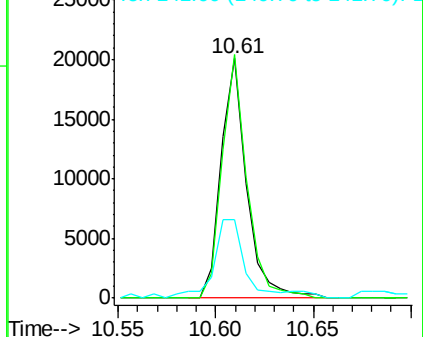
141 42.1 29.9 44.9

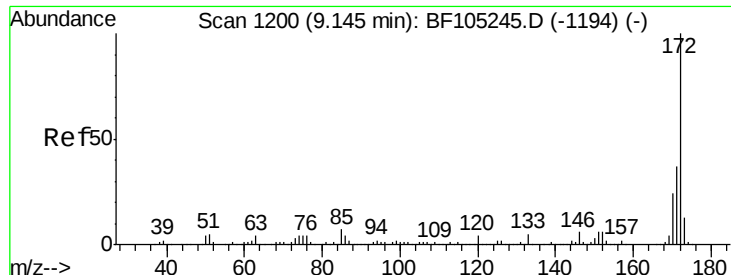


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





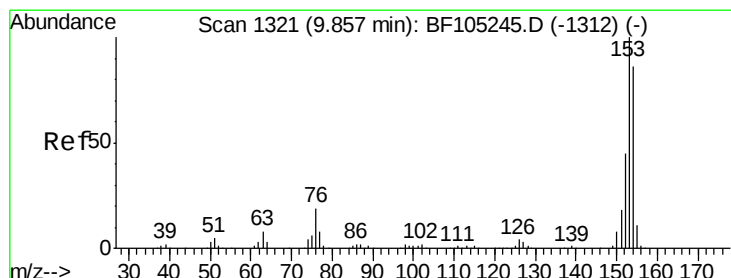
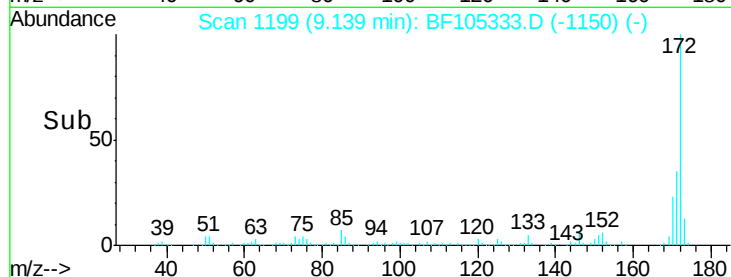
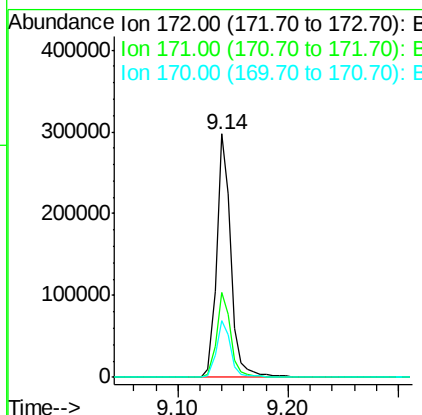
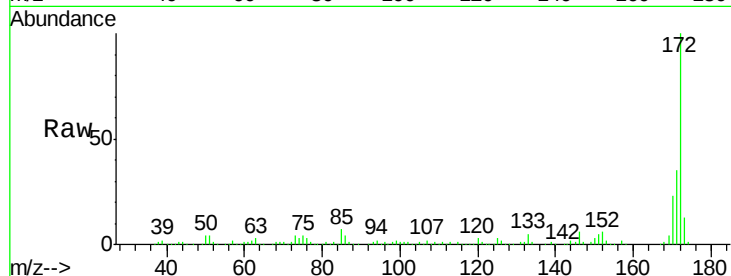
#44
2-Fluorobiphenyl
Concen: 12.582 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF105333.D
Acq: 12 May 2018 13:26

Instrument :
BNA_F
ClientSampleId :
003

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.7	44.5
170	23.1	19.6	29.4

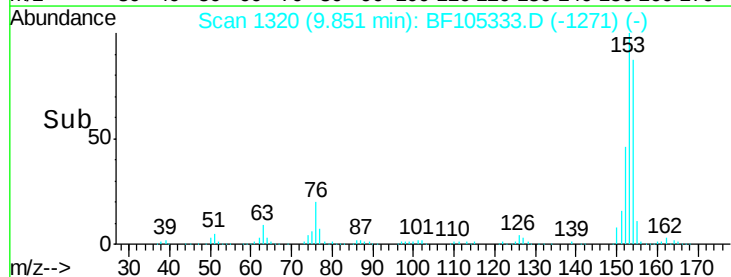
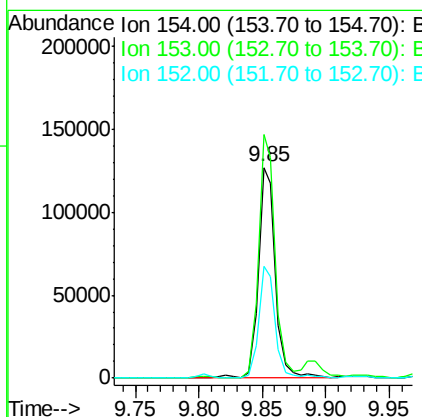
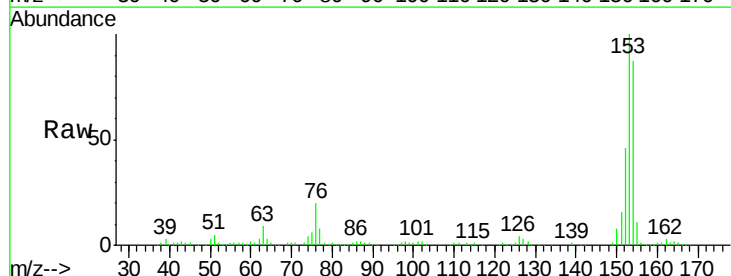
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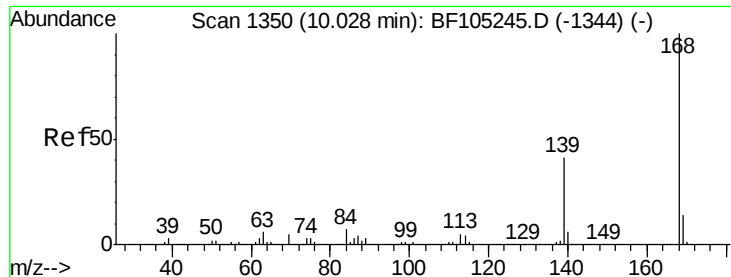
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#51
Acenaphthene
Concen: 5.880 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF105333.D
Acq: 12 May 2018 13:26

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.5	91.2	136.8
152	52.7	43.8	65.8





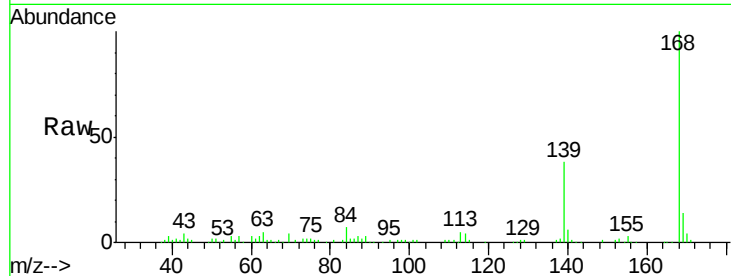
#54
Dibenzenofuran
Concen: 3.551 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF105333.D
Acq: 12 May 2018 13:26

Instrument :
BNA_F
ClientSampled :
003

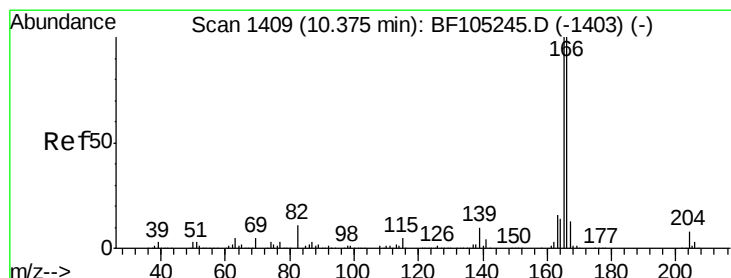
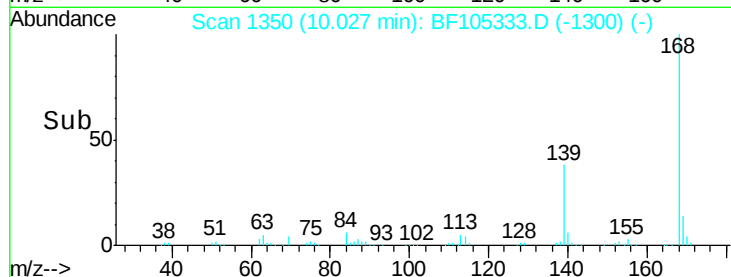
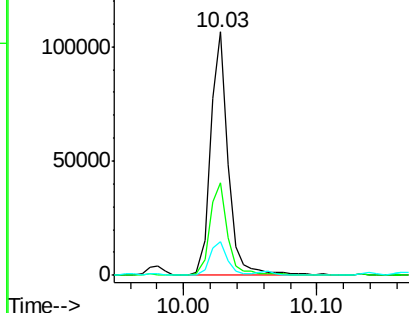
Tot Ion	Ratio	Lower	Upper
168	100		
139	38.1	30.1	45.1
169	13.7	10.9	16.3

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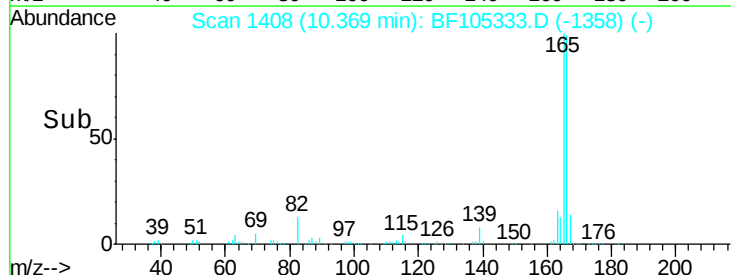
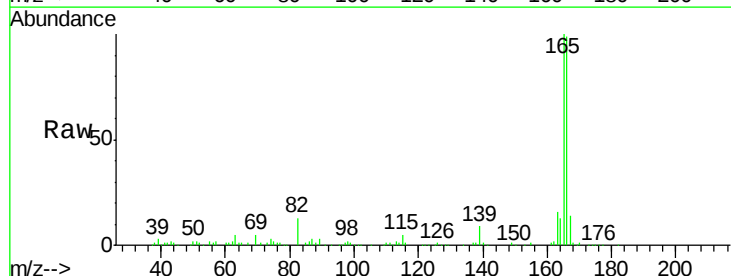
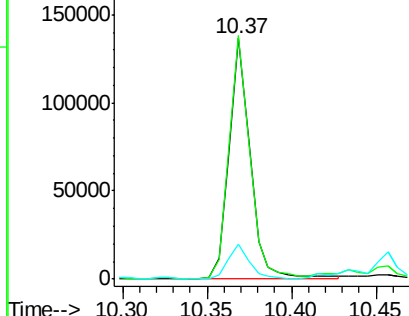
Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

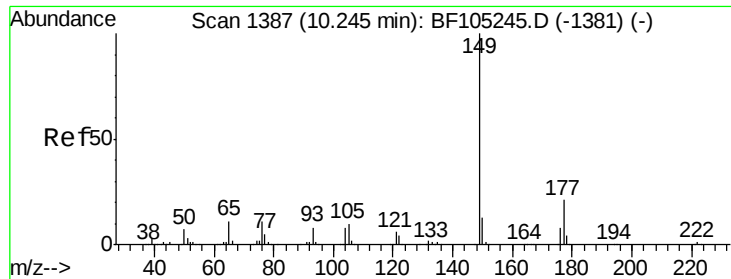


#57
Fluorene
Concen: 5.708 ng
RT: 10.37 min Scan# 1408
Delta R.T. -0.01 min
Lab File: BF105333.D
Acq: 12 May 2018 13:26

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.1	79.8	119.8
167	14.4	10.6	16.0

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





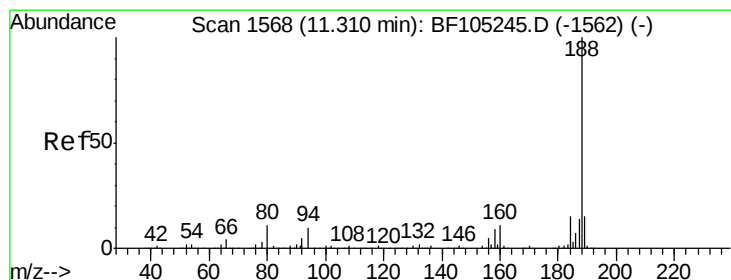
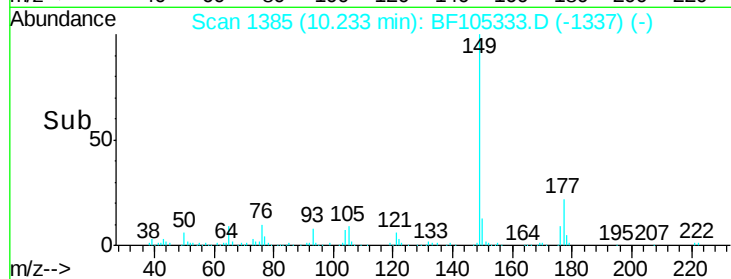
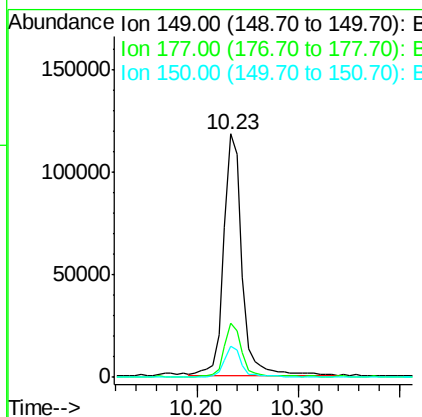
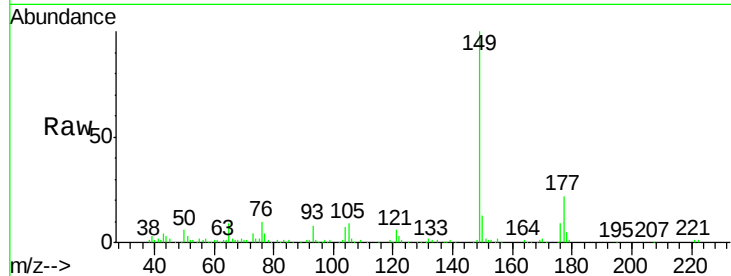
#59
Diethylphthalate
Concen: 6.291 ng
RT: 10.23 min Scan# 1385
Delta R.T. -0.02 min
Lab File: BF105333.D
Acq: 12 May 2018 13:26

Instrument :
BNA_F
ClientSampleId :
003

Tot Ion	Ratio	Lower	Upper
149	100		
177	22.4	16.1	24.1
150	13.0	10.1	15.1

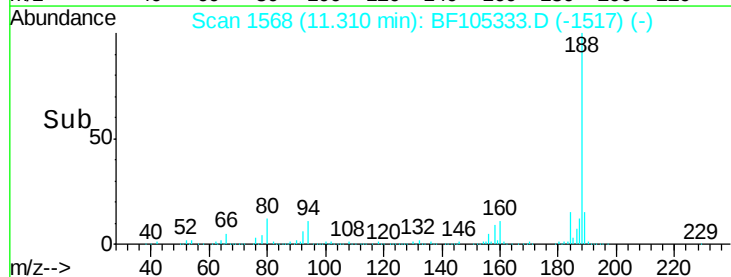
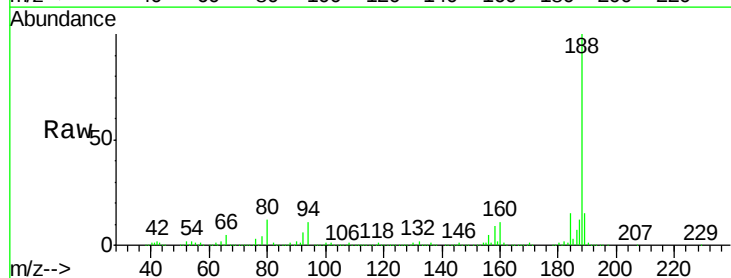
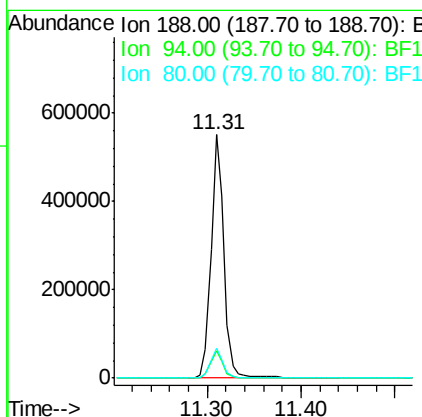
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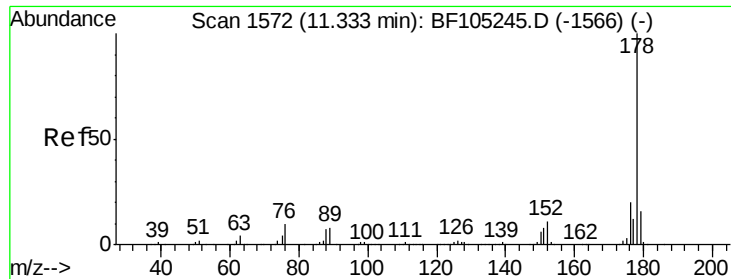
Sohil
5/14/2018 3:19:46 PM



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BF105333.D
Acq: 12 May 2018 13:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.5	12.7
80	12.1	9.2	13.8





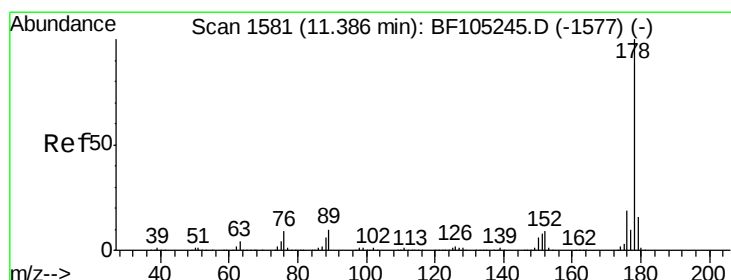
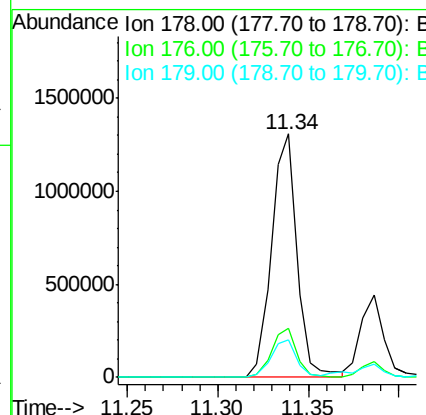
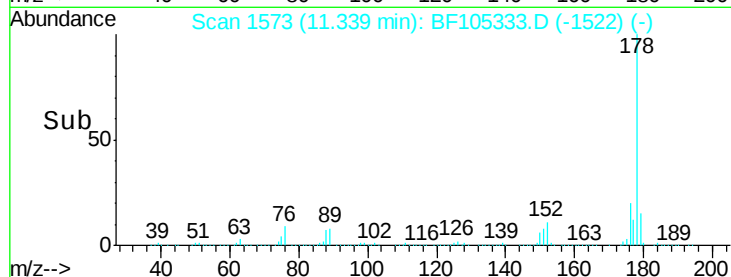
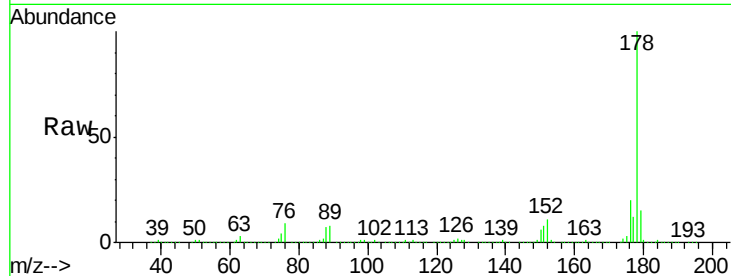
#70
Phenanthrene
Concen: 42.202 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF105333.D
Acq: 12 May 2018 13:26

Instrument :
BNA_F
ClientSampleId :
003

Tot Ion:178 Resp: 1278909
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 15.5 13.0 19.6

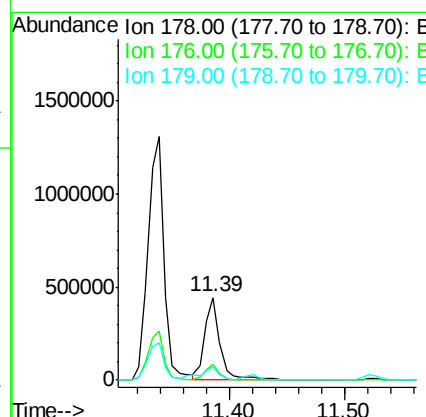
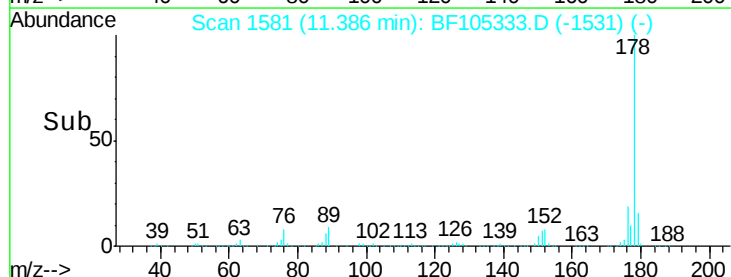
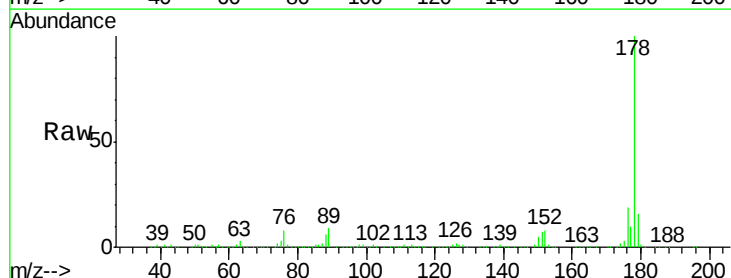
Manual Integrations
APPROVED

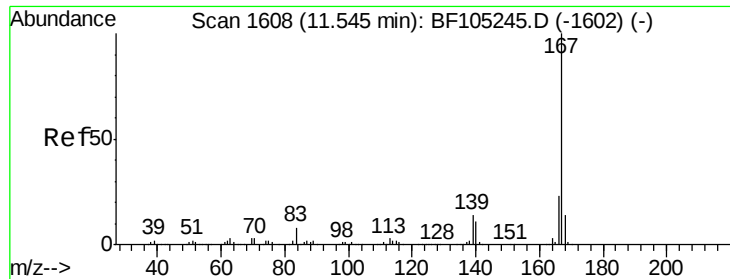
Sohil
5/14/2018 3:19:46 PM



#71
Anthracene
Concen: 13.339 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF105333.D
Acq: 12 May 2018 13:26

Tgt Ion:178 Resp: 418420
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.7 12.6 19.0





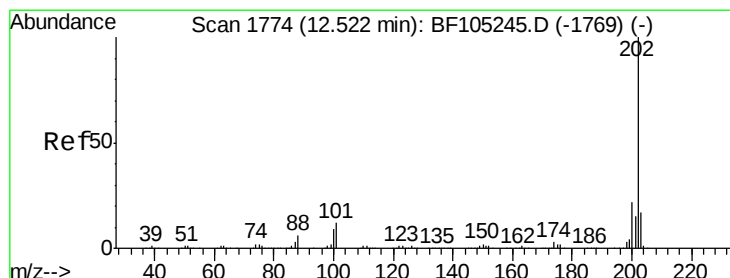
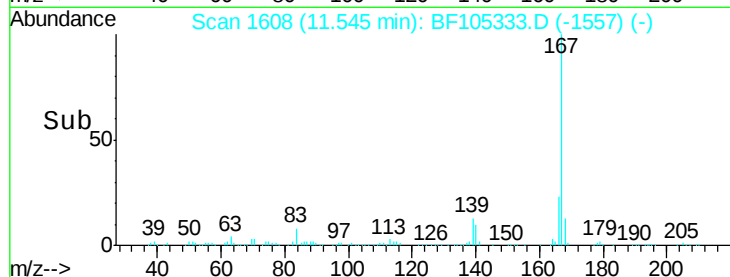
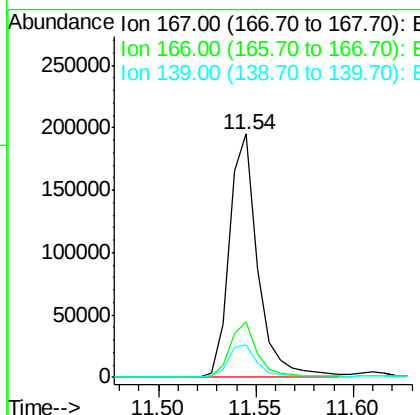
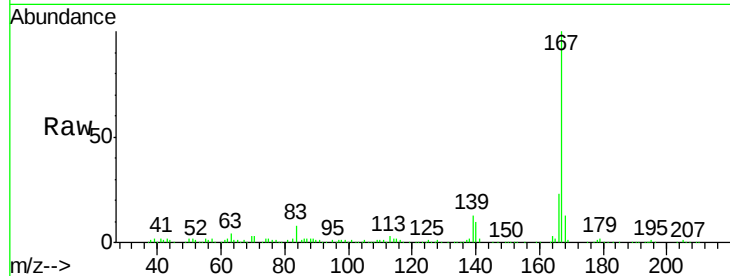
#72
 Carbazole
 Concen: 7.102 ng
 RT: 11.54 min Scan# 1608
 Delta R.T. -0.00 min
 Lab File: BF105333.D
 Acq: 12 May 2018 13:26

Instrument :
 BNA_F
 ClientSampled :
 003

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.6	26.4
139	13.5	10.9	16.3

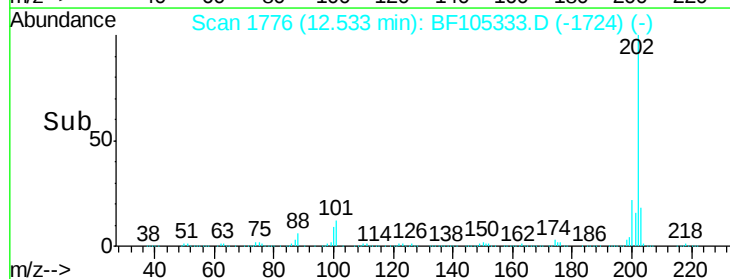
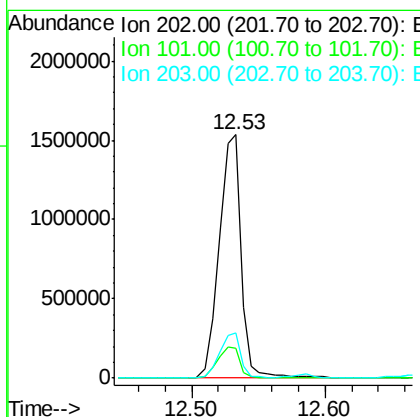
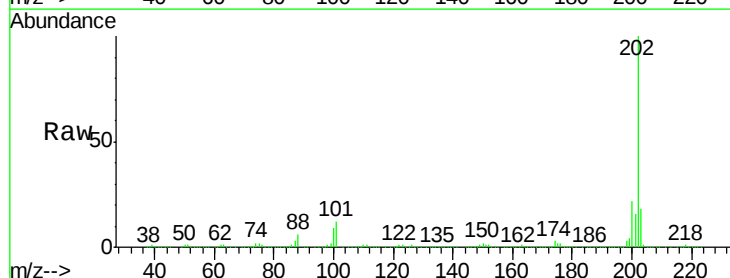
Manual Integrations
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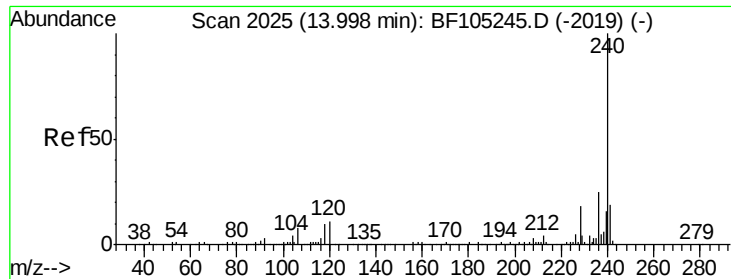
Sohil
 5/14/2018 3:19:46 PM



#74
 Fluoranthene
 Concen: 59.418 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. 0.01 min
 Lab File: BF105333.D
 Acq: 12 May 2018 13:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	34.1
203	18.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF105333.D

Acq: 12 May 2018 13:26

Instrument :

BNA_F

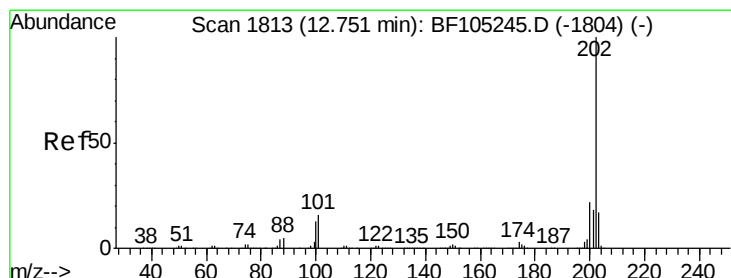
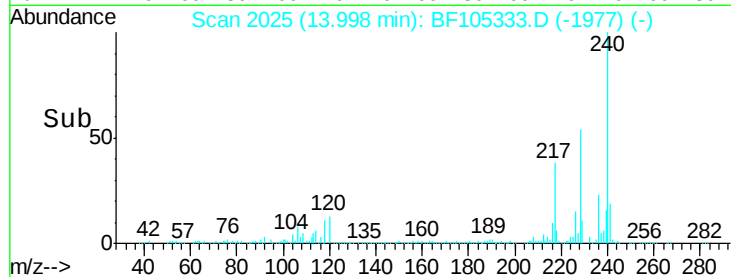
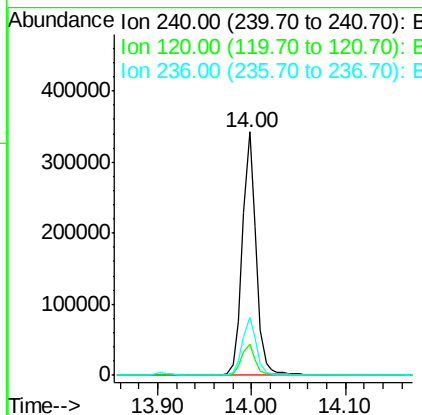
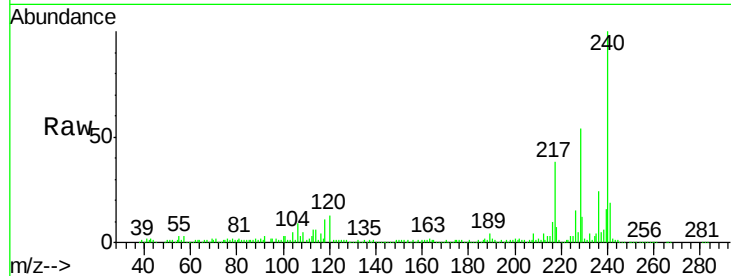
ClientSampleId :

003

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.5	14.3
236	24.1	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 58.868 ng

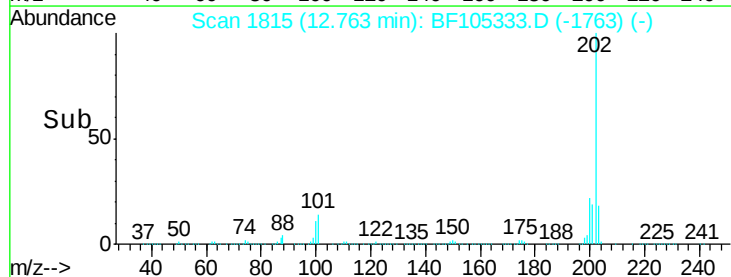
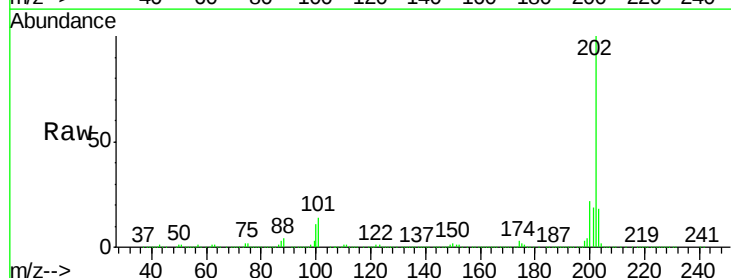
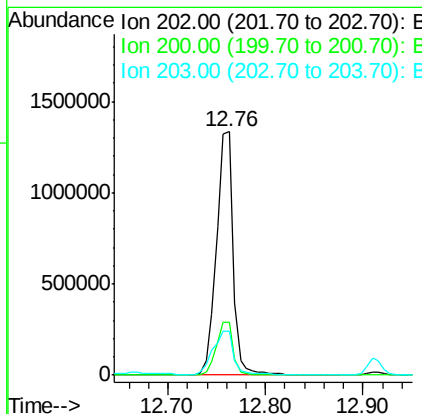
RT: 12.76 min Scan# 1815

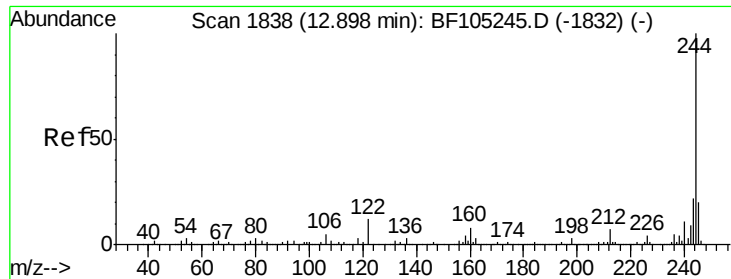
Delta R.T. 0.01 min

Lab File: BF105333.D

Acq: 12 May 2018 13:26

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	17.9	14.3	21.5





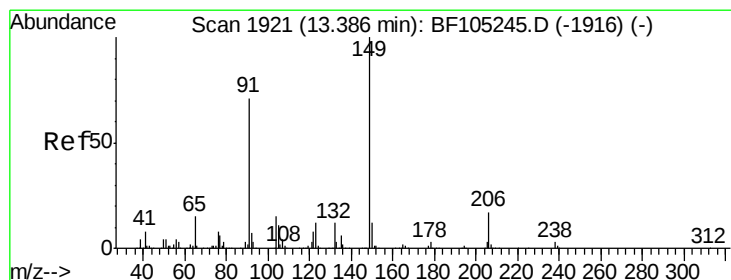
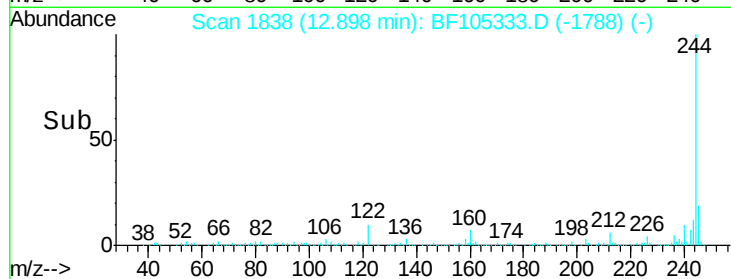
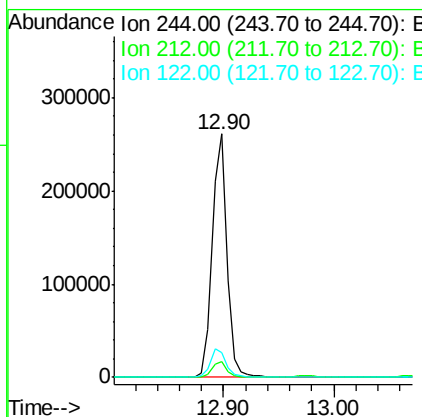
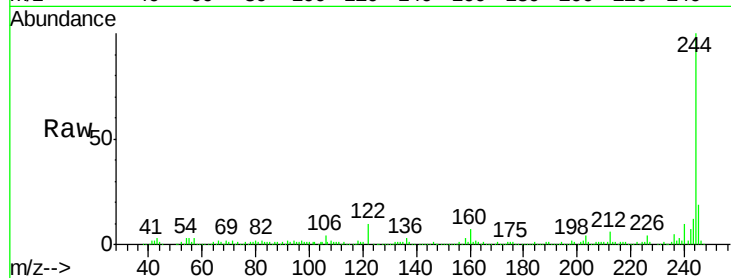
#78
 Terphenyl-d14
 Concen: 14.545 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BF105333.D
 Acq: 12 May 2018 13:26

Instrument :
 BNA_F
 ClientSampleId :
 003

Tot Ion	Ratio	Resp	Lower	Upper
244	100	236189		
212	6.4		5.4	8.0
122	10.3		11.0	16.4

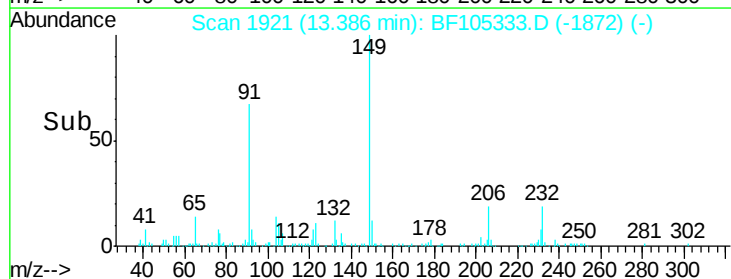
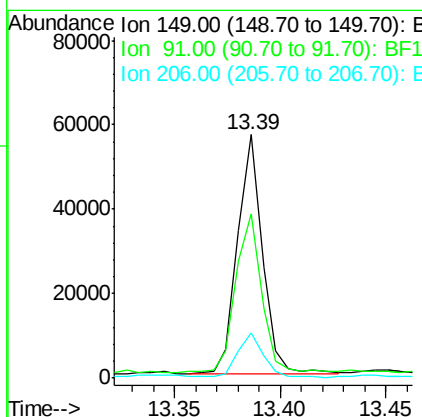
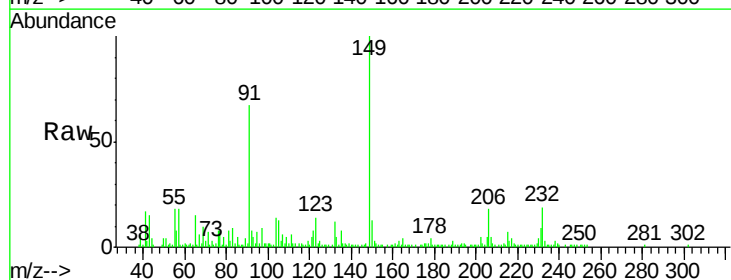
Manual Integrations
 APPROVED

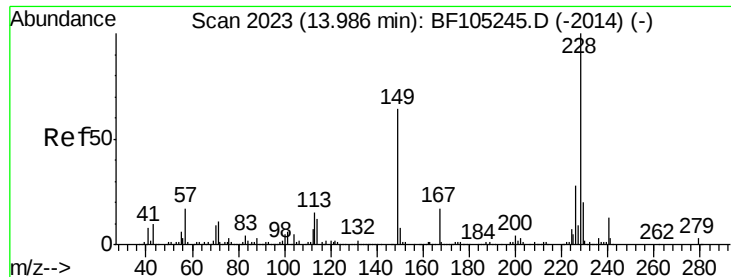
Sohil
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#79
 Butylbenzylphthalate
 Concen: 3.924 ng
 RT: 13.39 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: BF105333.D
 Acq: 12 May 2018 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	46566		
91	67.4		56.8	85.2
206	18.5		14.1	21.1





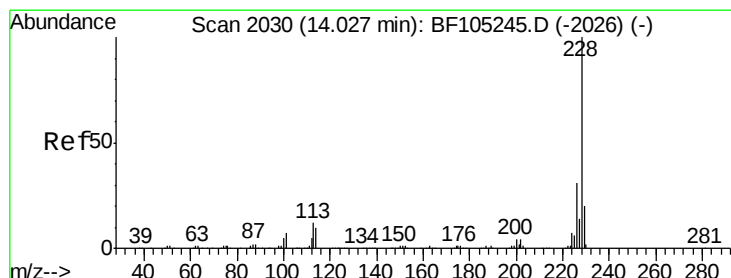
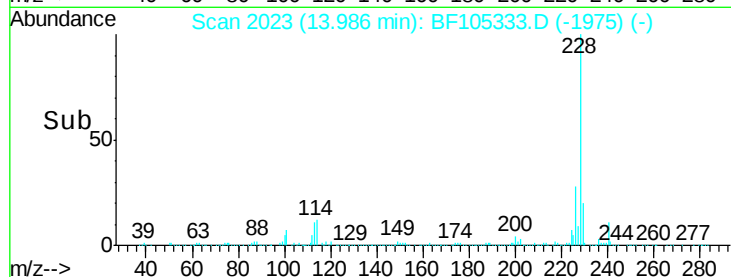
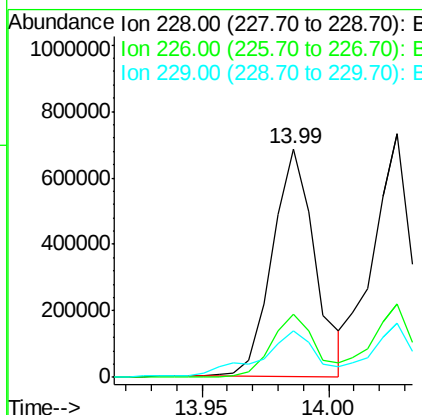
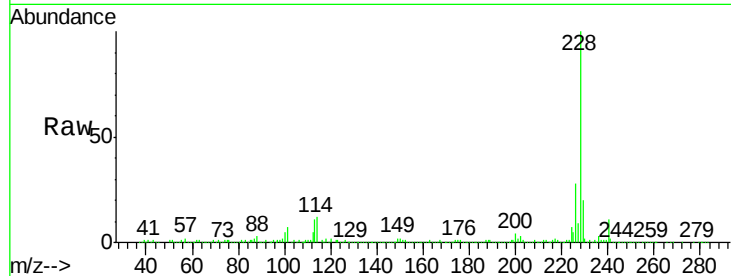
#80
Benzo(a)anthracene
Concen: 39.233 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.02 min
Lab File: BF105333.D
Acq: 12 May 2018 13:26

Instrument :
BNA_F
ClientSampleId :
003

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	33.8
229	20.4	15.8	23.6

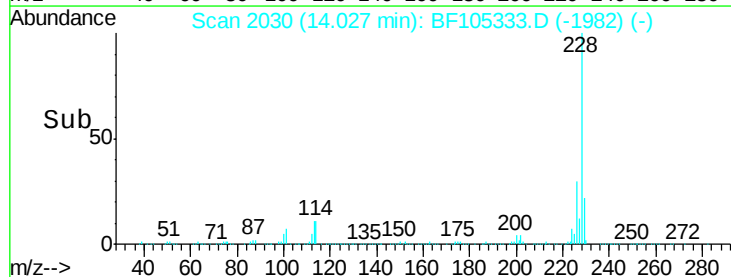
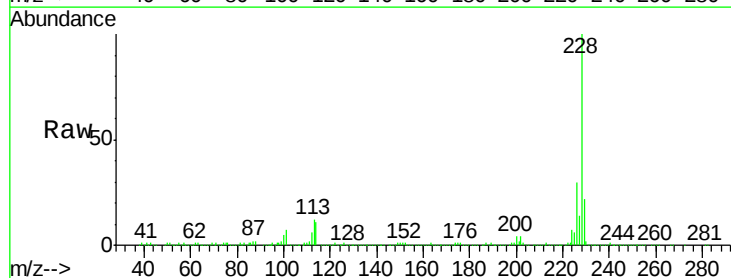
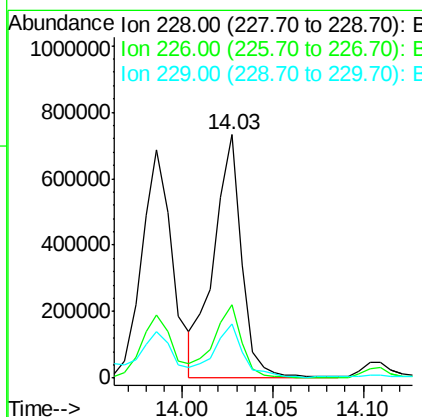
Manual Integrations
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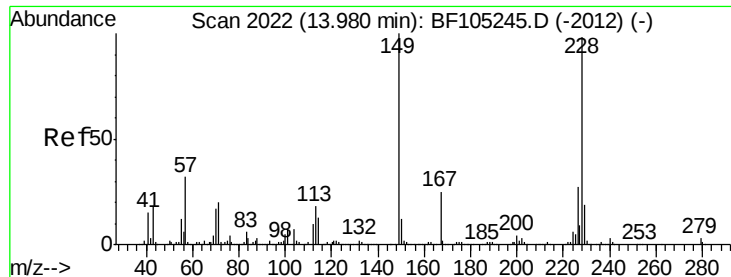
Sohil
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#82
Chrysene
Concen: 38.721 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF105333.D
Acq: 12 May 2018 13:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	25.0	37.6
229	22.3	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.489 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BF105333.D

Acq: 12 May 2018 13:26

Instrument :

BNA_F

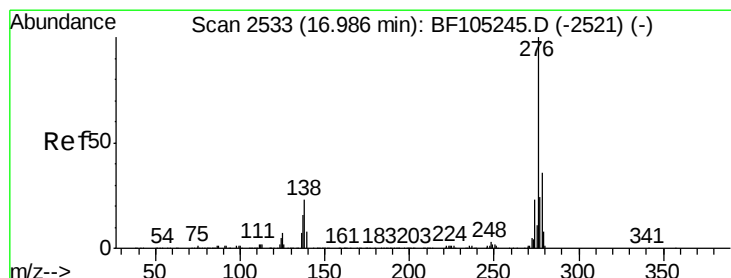
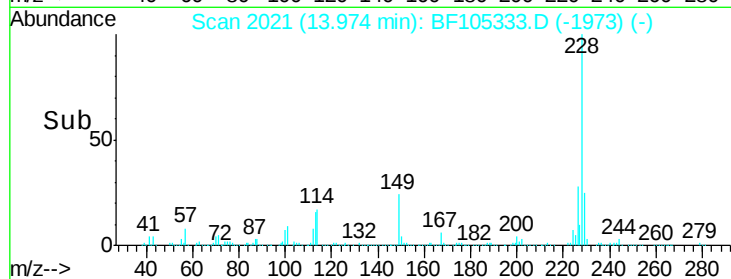
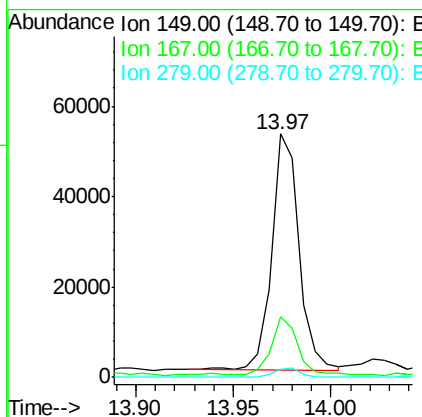
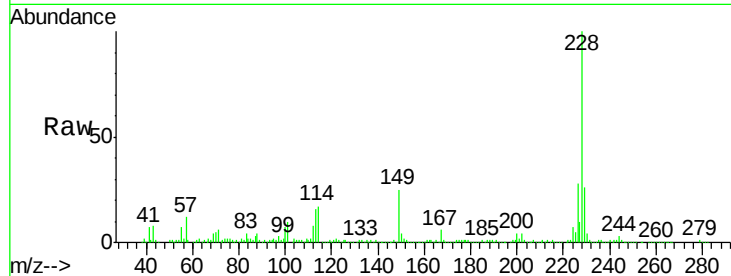
ClientSampleId :

003

Tot Ion:	149	Resp:	50128
Ion Ratio	Lower	Upper	
149	100		
167	24.7	21.3	31.9
279	3.1	3.0	4.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 16.409 ng

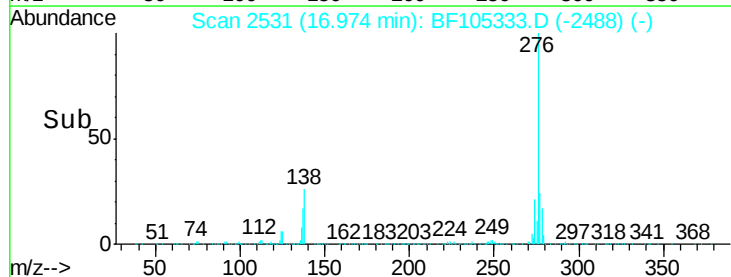
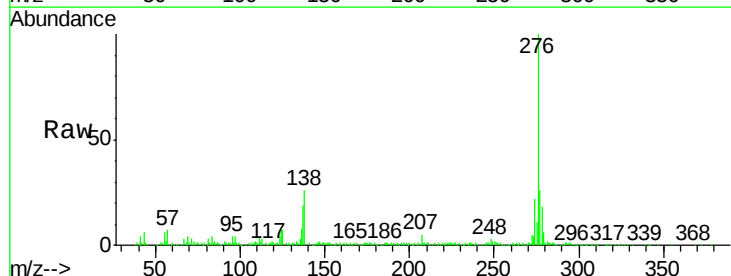
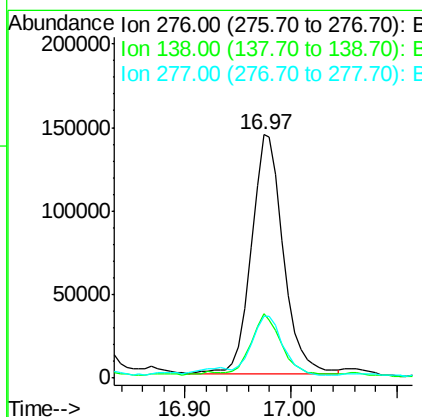
RT: 16.97 min Scan# 2531

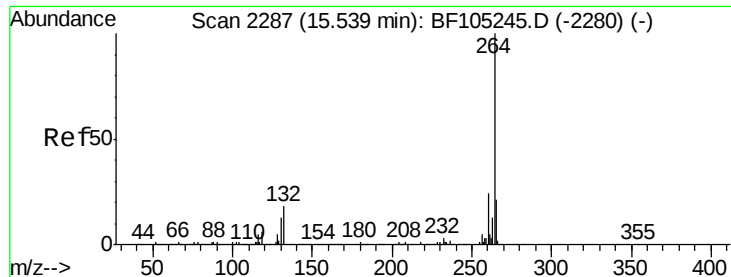
Delta R.T. -0.05 min

Lab File: BF105333.D

Acq: 12 May 2018 13:26

Tgt Ion:	276	Resp:	300023
Ion Ratio	Lower	Upper	
276	100		
138	25.7	25.0	37.6
277	25.2	20.1	30.1





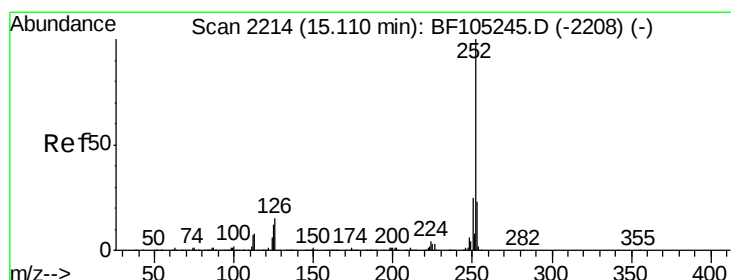
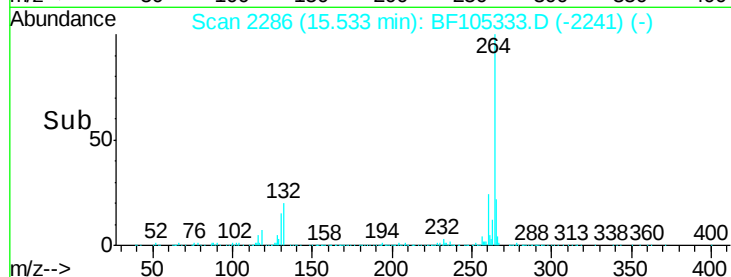
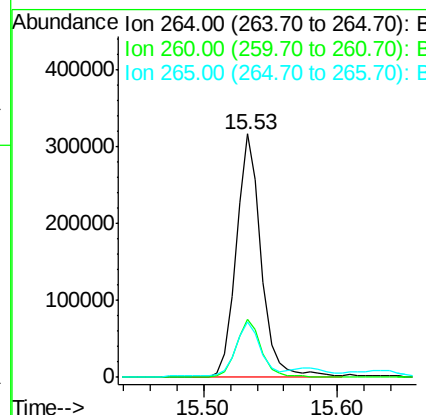
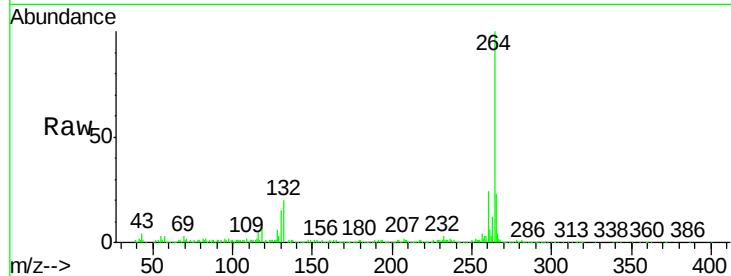
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. -0.04 min
Lab File: BF105333.D
Acq: 12 May 2018 13:26

Instrument :
BNA_F
ClientSampleId :
003

Tot Ion:	264	Resp:	408161
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.2	28.8
265	22.6	17.5	26.3

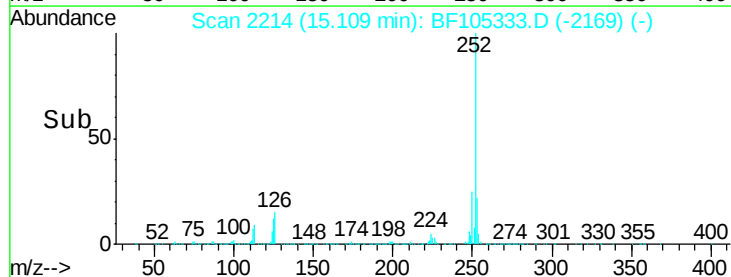
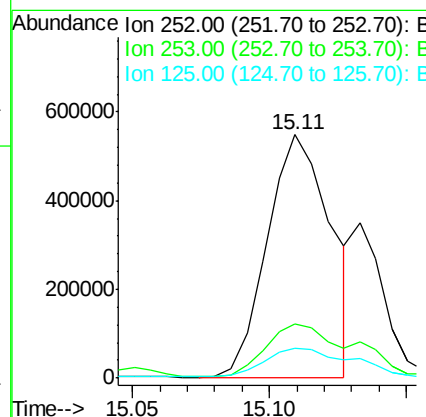
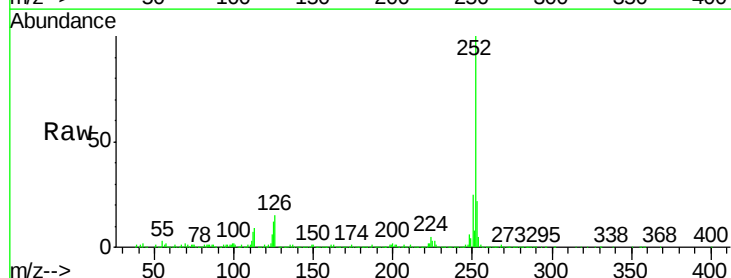
Manual Integrations
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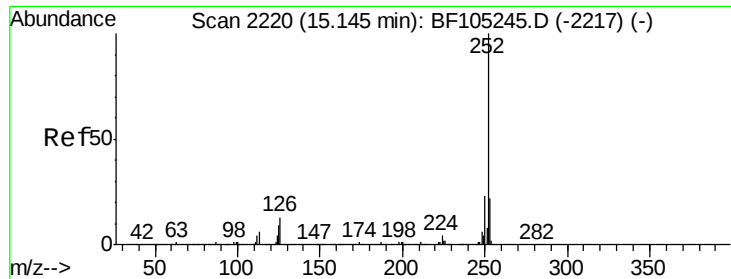
Sohil
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#87
Benzo(b)fluoranthene
Concen: 36.630 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.04 min
Lab File: BF105333.D
Acq: 12 May 2018 13:26

Tgt Ion:	252	Resp:	891177
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.0	25.6
125	12.3	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 12.101 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.04 min

Lab File: BF105333.D

Acq: 12 May 2018 13:26

Instrument :

BNA_F

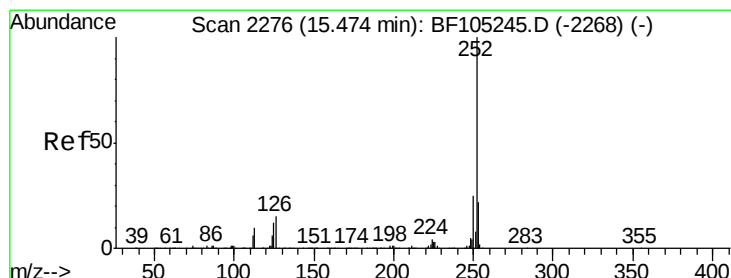
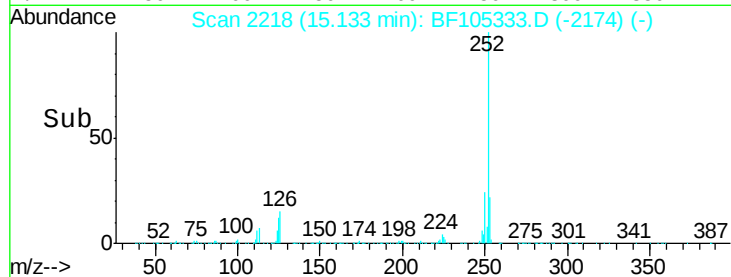
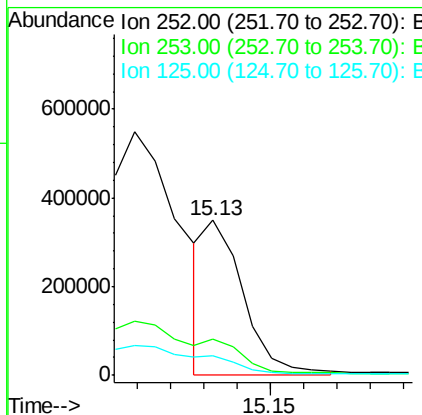
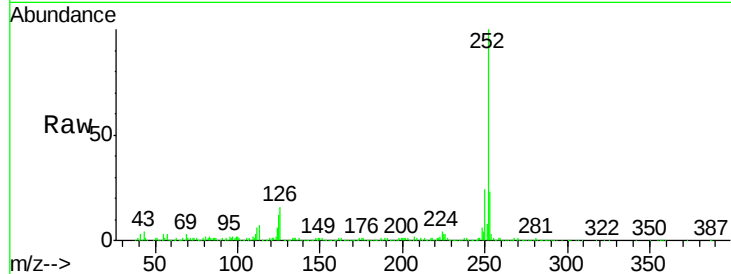
ClientSampled :

003

Tot Ion:	252	Resp:	284708
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.9	26.9
125	12.4	10.2	15.2

Manual Integrations
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5/14/2018 3:19:46 PM



#89

Benzo(a)pyrene

Concen: 25.100 ng

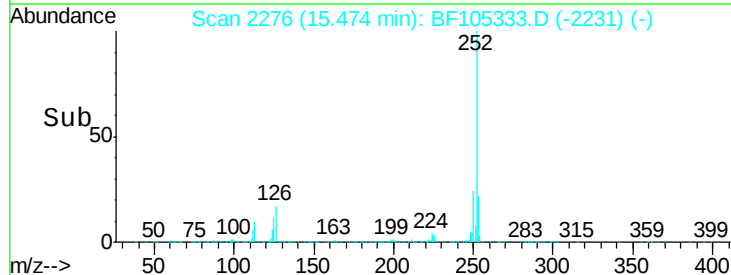
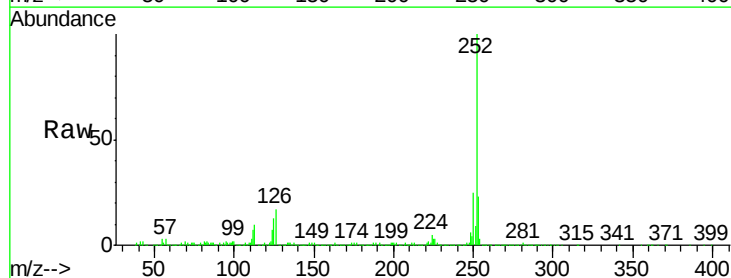
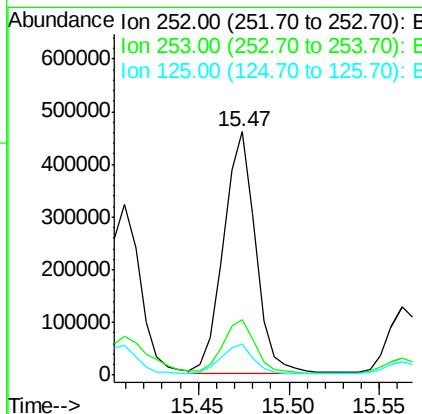
RT: 15.47 min Scan# 2276

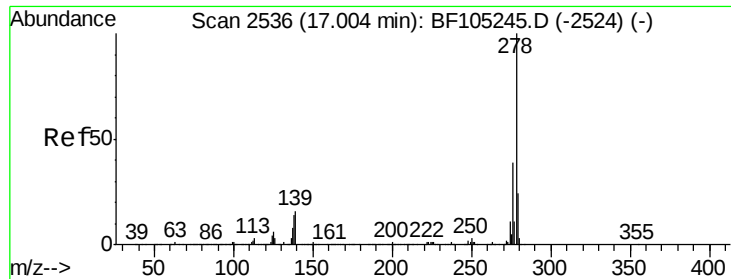
Delta R.T. -0.04 min

Lab File: BF105333.D

Acq: 12 May 2018 13:26

Tgt Ion:	252	Resp:	568616
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.1	25.7
125	12.9	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 4.176 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.06 min

Lab File: BF105333.D

Acq: 12 May 2018 13:26

Instrument :

BNA_F

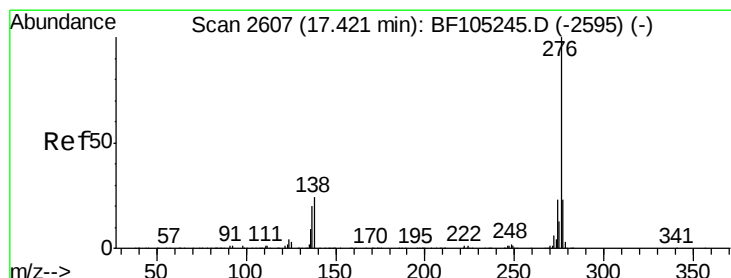
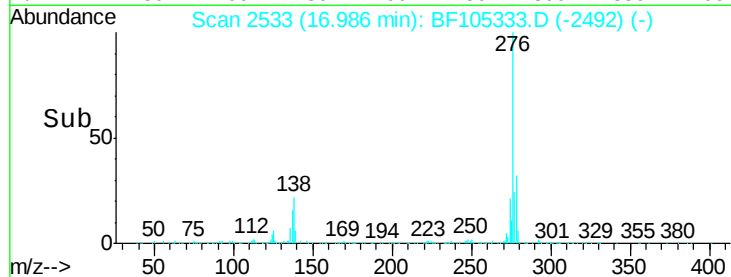
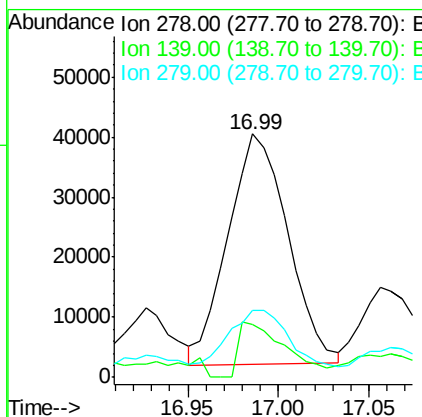
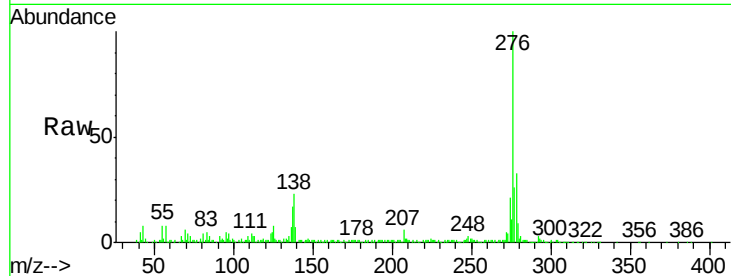
ClientSampled :

003

Tot Ion:	278	Resp:	88708
Ion Ratio	Lower	Upper	
278	100		
139	21.8	15.9	23.9
279	27.3	19.0	28.4

Manual Integrations
APPROVED

Sohil
5/14/2018 3:19:46 PM



#91

Benzo(g,h,i)perylene

Concen: 13.751 ng

RT: 17.42 min Scan# 2606

Delta R.T. -0.05 min

Lab File: BF105333.D

Acq: 12 May 2018 13:26

Tgt Ion:	276	Resp:	280769
Ion Ratio	Lower	Upper	
276	100		
277	24.0	17.9	26.9
138	25.2	21.8	32.8

