

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
 Data File : BF104635.D
 Acq On : 19 Apr 2018 18:32
 Operator : JU/SJ
 Sample : J2165-05 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-041818

Manual Integrations
 APPROVED

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 4/20/2018 3:05:19 PM

Quant Time: Apr 20 01:18:27 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 14:44:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	129146	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	492228	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	197509	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	306852	20.00	ng	0.00
75) Chrysene-d12	13.98	240	275639	20.00	ng	0.00
86) Perylene-d12	15.44	264	258218	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	166525	19.72	ng	0.00
7) Phenol-d6	6.43	99	197608	19.04	ng	-0.01
23) Nitrobenzene-d5	7.36	82	110950	14.72	ng	-0.02
41) 2,4,6-Tribromophenol	10.63	330	35794	17.47	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	193885	15.51	ng	-0.01
78) Terphenyl-d14	12.92	244	146912	12.15	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.11	128	51992	2.121	ng	97
37) 2-Methylnaphthalene	8.80	142	40637	2.563	ng	98
48) Acenaphthylene	9.70	152	81260	3.952	ng	98
51) Acenaphthene	9.87	154	30854	2.459	ng	98
54) Dibenzofuran	10.05	168	49329	2.821	ng	# 94
57) Fluorene	10.39	166	92458	7.265	ng	99
70) Phenanthrene	11.36	178	548370	32.090	ng	99
71) Anthracene	11.40	178	166651	9.594	ng	98
72) Carbazole	11.56	167	40322	2.376	ng	99
74) Fluoranthene	12.55	202	749611	41.985	ng	98
77) Pyrene	12.78	202	718200	35.152	ng	100
80) Benzo(a)anthracene	13.97	228	421860	25.619	ng	95
82) Chrysene	14.00	228	343300	20.297	ng	97
85) Indeno(1,2,3-cd)pyrene	16.89	276	140869	9.804	ng	94
87) Benzo(b)fluoranthene	15.02	252	455964m	27.958	ng	
88) Benzo(k)fluoranthene	15.04	252	120794m	7.845	ng	
89) Benzo(a)pyrene	15.38	252	299040	20.493	ng	# 95
90) Dibenzo(a,h)anthracene	16.90	278	40759	3.401	ng	# 88
91) Benzo(a,h,i)perylene	17.33	276	132507	11.412	ng	96

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

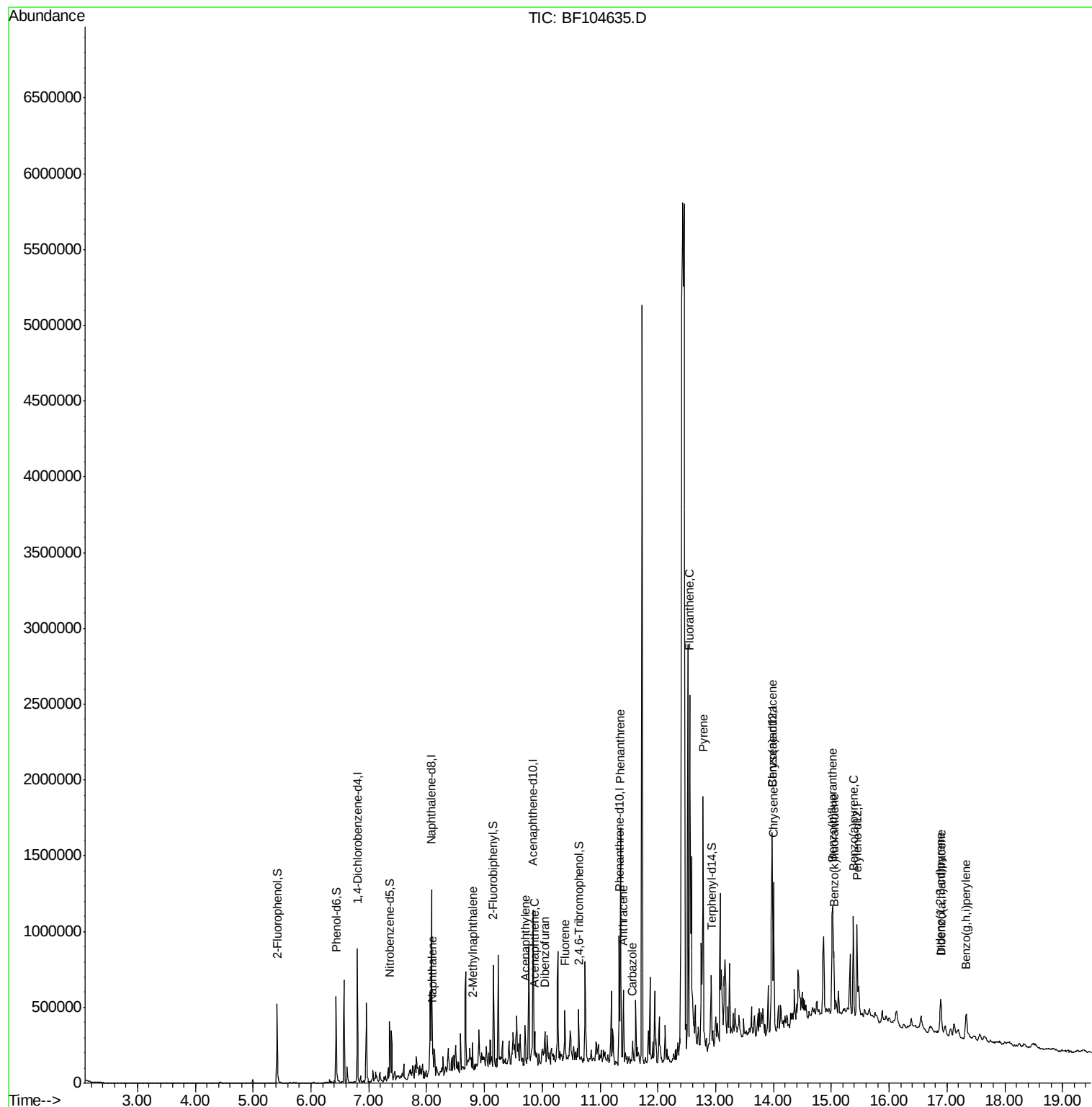
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

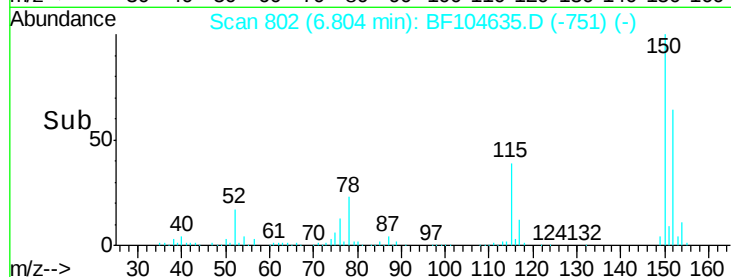
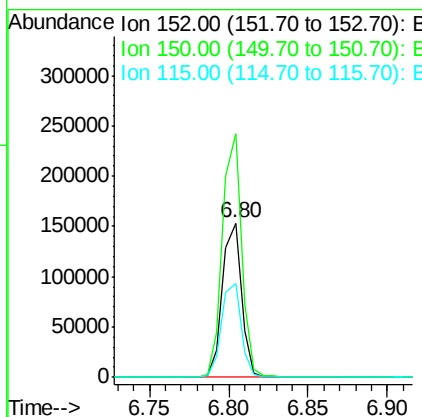
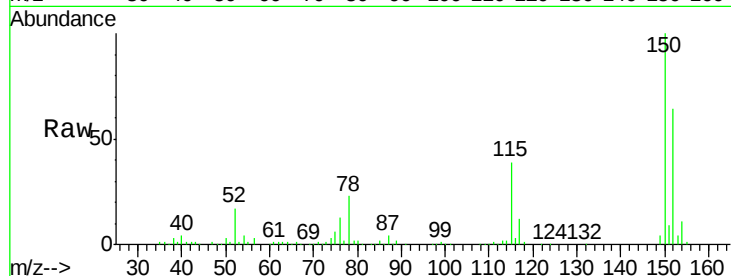
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104635.D
Acq: 19 Apr 2018 18:32

Instrument :
BNA_F
ClientSampleId :
SU-01-041818

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.6	186.8
115	61.0	50.1	75.1

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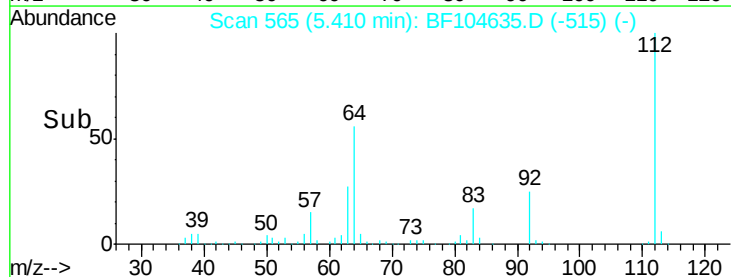
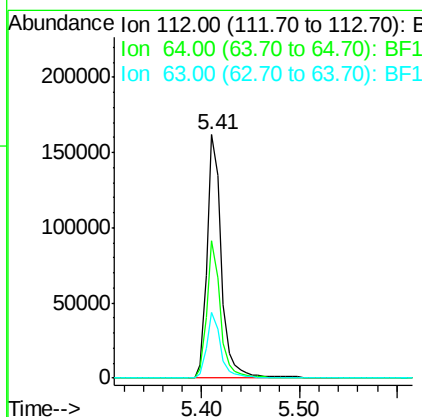
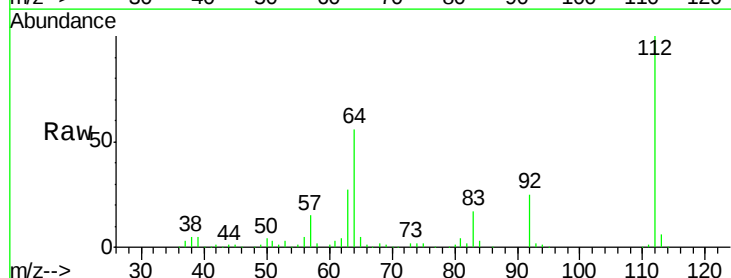
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#5

2-Fluorophenol
Concen: 19.716 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF104635.D
Acq: 19 Apr 2018 18:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	47.9	71.9
63	27.1	23.7	35.5





#7

Phenol-d6

Concen: 19.042 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104635.D

Acq: 19 Apr 2018 18:32

Instrument :

BNA_F

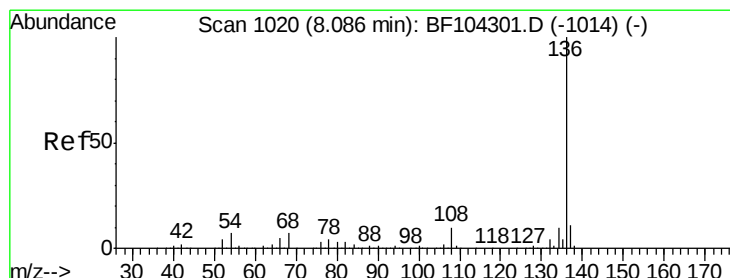
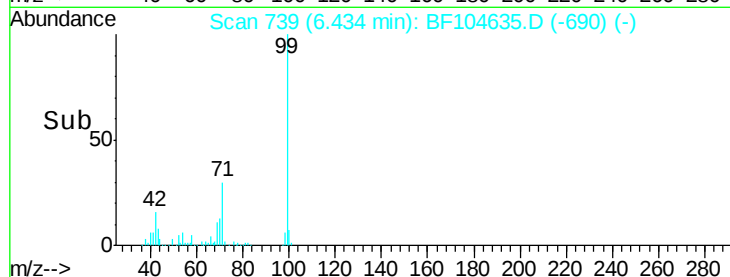
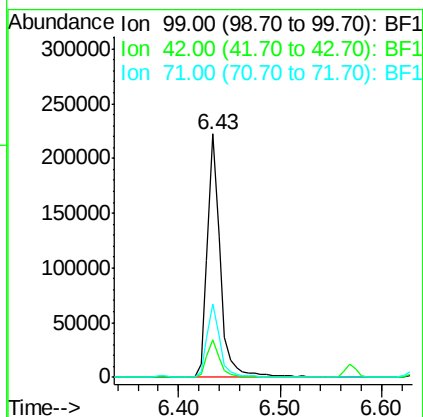
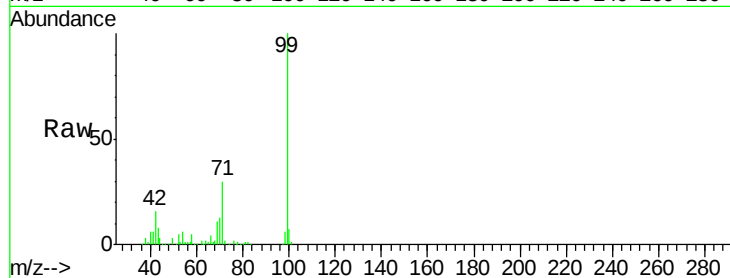
ClientSampleId :

SU-01-041818

Tot Ion:	99	Resp:	197608
Ion Ratio	Lower	Upper	
99	100		
42	15.5	14.5	21.7
71	30.3	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

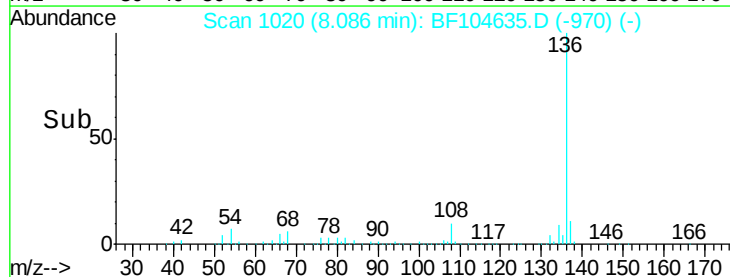
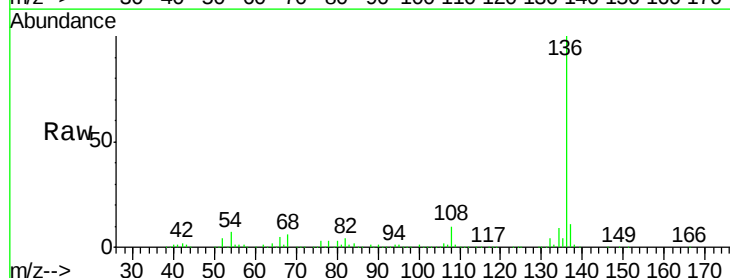
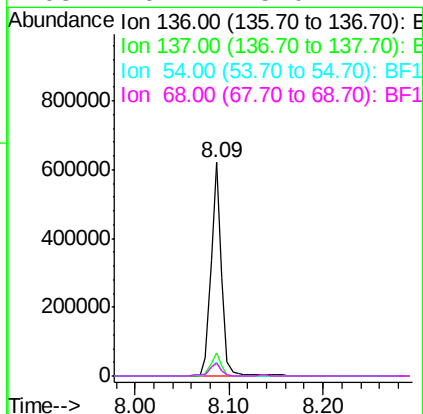
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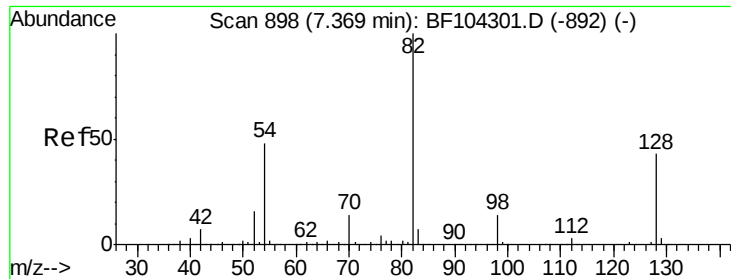
Delta R.T. -0.01 min

Lab File: BF104635.D

Acq: 19 Apr 2018 18:32

Tgt Ion:	136	Resp:	492228
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	6.8	6.6	9.8
68	6.1	5.0	7.4





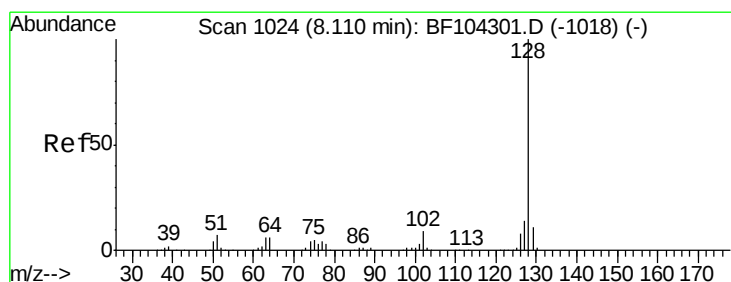
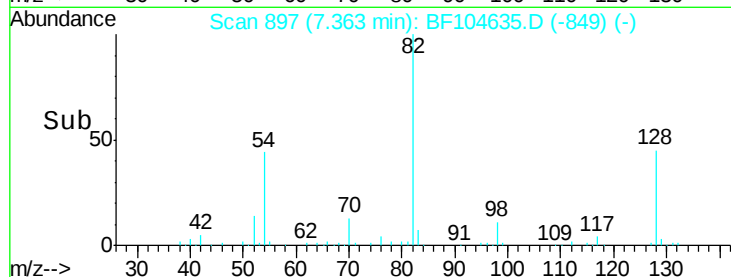
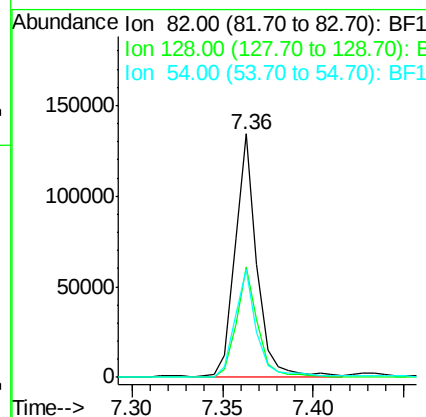
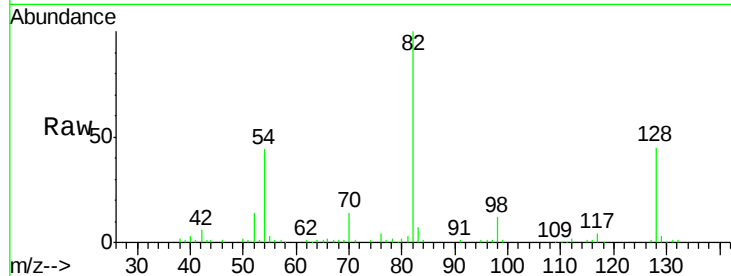
#23
Nitrobenzene-d5
Concen: 14.718 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.02 min
Lab File: BF104635.D
Acq: 19 Apr 2018 18:32

Instrument :
BNA_F
ClientSampleId :
SU-01-041818

Tot Ion	82	Resp	110950
Ion Ratio	100	Lower	Upper
128	45.3	36.1	54.1
54	44.1	41.4	62.2

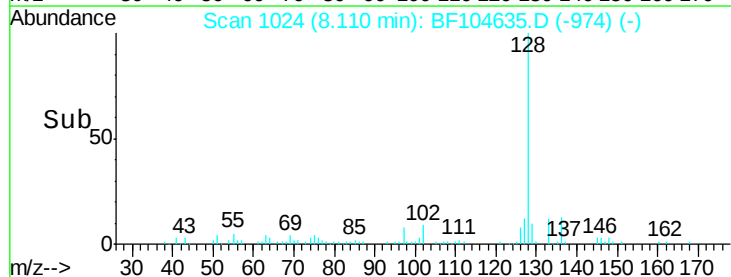
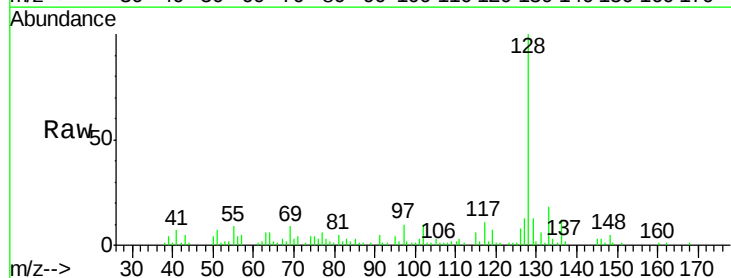
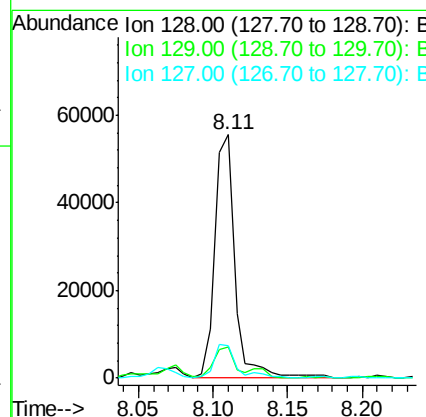
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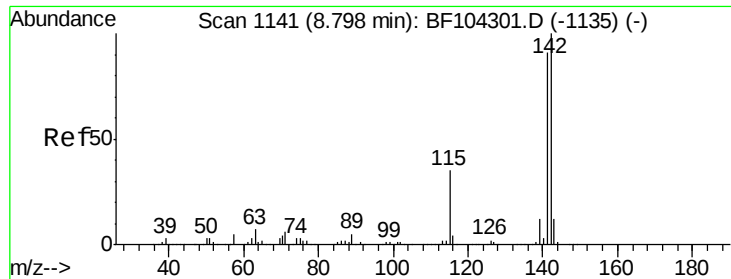
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#31
Naphthalene
Concen: 2.121 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF104635.D
Acq: 19 Apr 2018 18:32

Tgt Ion	128	Resp	51992
Ion Ratio	100	Lower	Upper
129	12.7	8.8	13.2
127	13.2	10.9	16.3





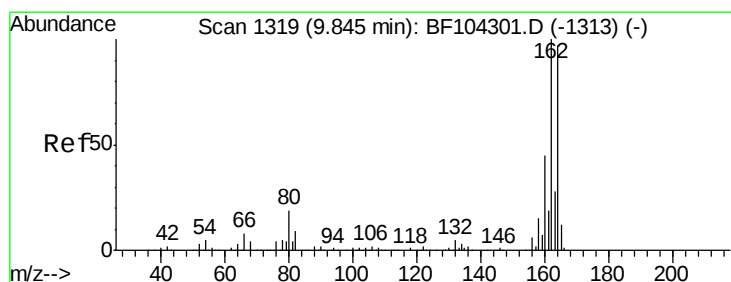
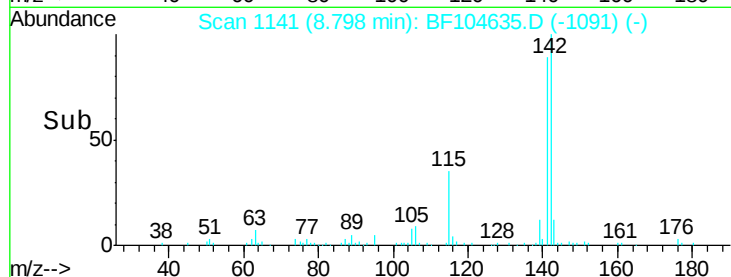
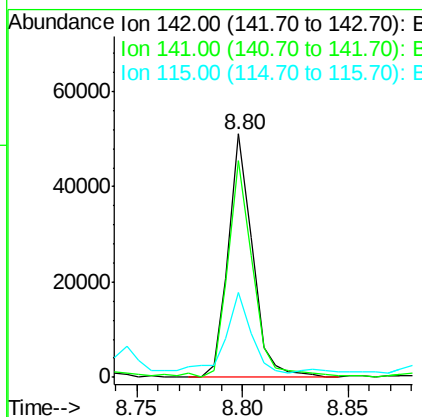
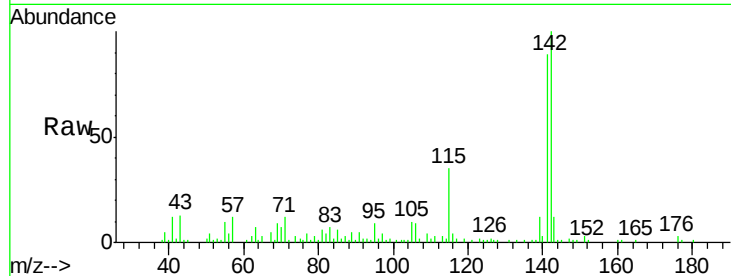
#37
2-Methylnaphthalene
Concen: 2.563 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF104635.D
Acq: 19 Apr 2018 18:32

Instrument :
BNA_F
ClientSampleId :
SU-01-041818

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.8	106.2
115	34.9	26.1	39.1

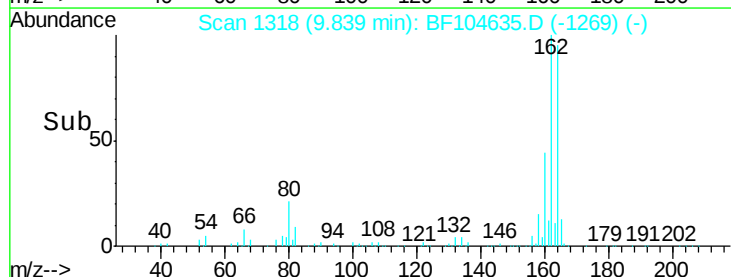
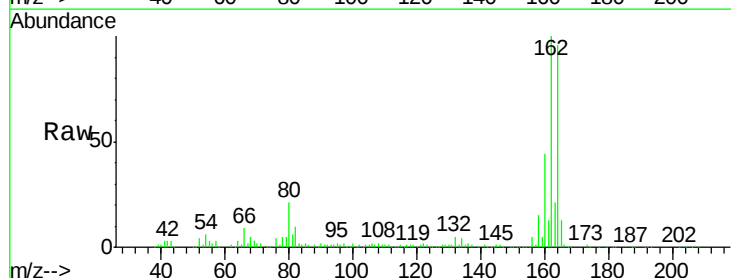
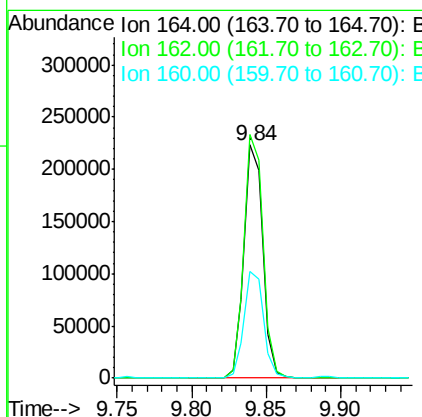
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF104635.D
Acq: 19 Apr 2018 18:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	86.1	129.1
160	45.8	38.3	57.5





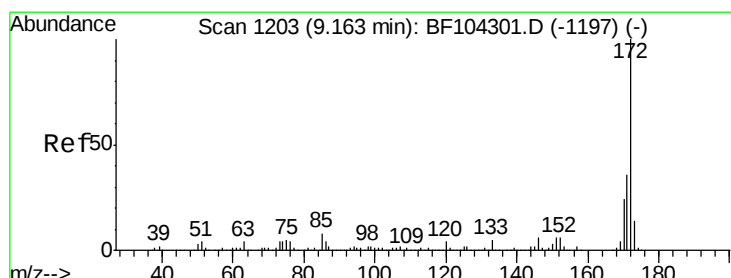
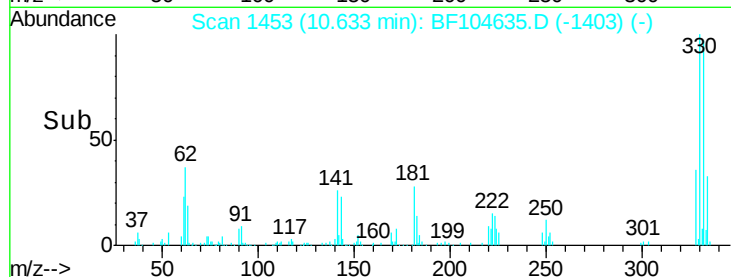
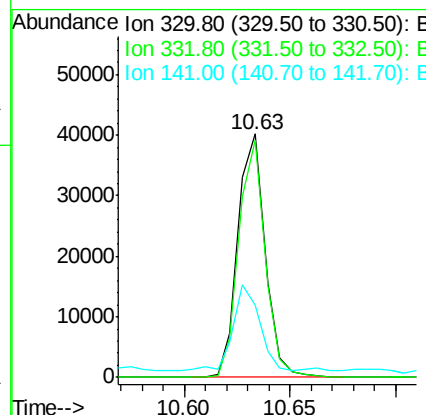
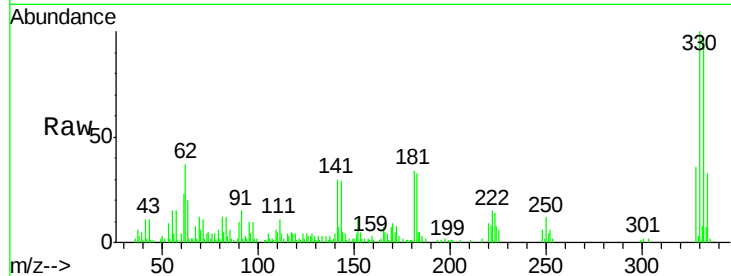
#41
 2,4,6-Tribromophenol
 Concen: 17.471 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104635.D
 Acq: 19 Apr 2018 18:32

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-041818

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	77.0	115.6
141	34.9	29.9	44.9

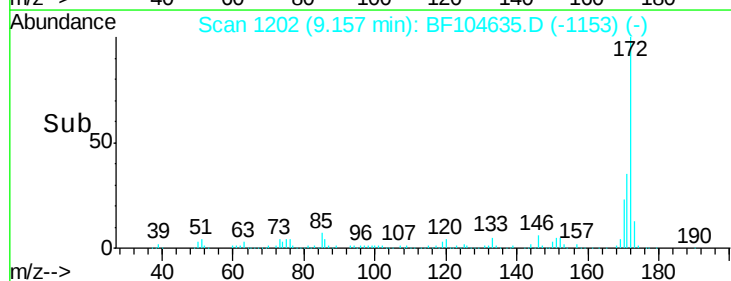
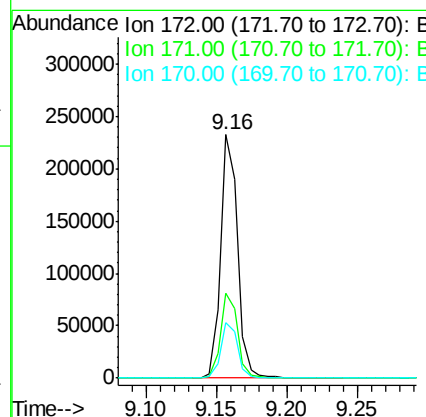
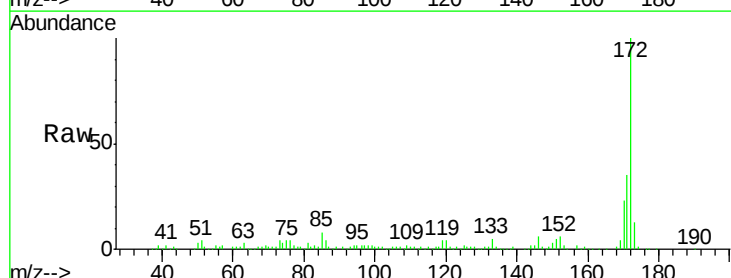
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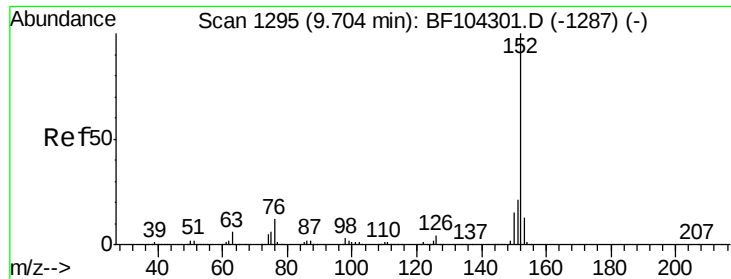
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#44
 2-Fluorobiphenyl
 Concen: 15.508 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF104635.D
 Acq: 19 Apr 2018 18:32

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.7	44.5
170	22.6	19.6	29.4





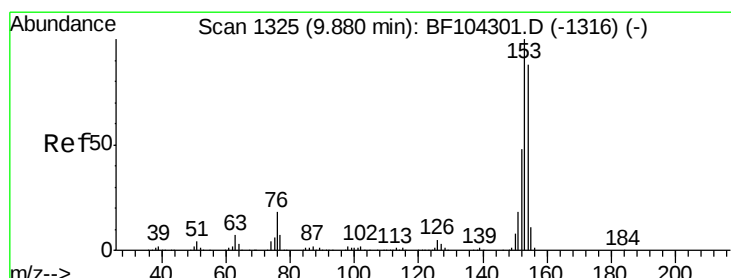
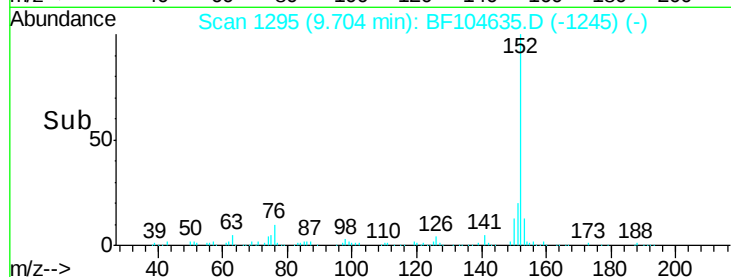
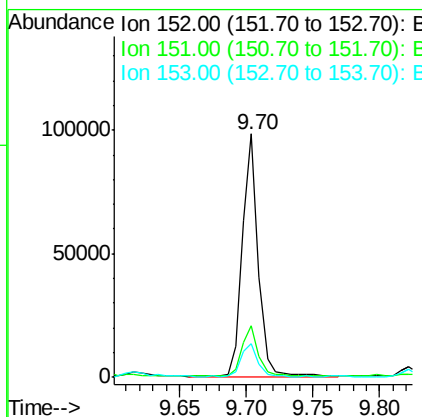
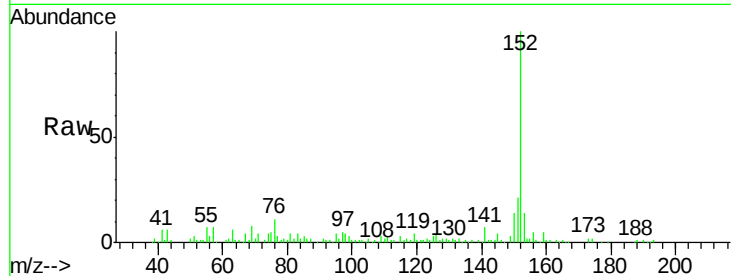
#48
Acenaphthylene
Concen: 3.952 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104635.D
Acq: 19 Apr 2018 18:32

Instrument :
BNA_F
ClientSampleId :
SU-01-041818

Tot Ion	Ratio	Resp	Lower	Upper
152	100	81260		
151	21.3		16.3	24.5
153	14.1		10.7	16.1

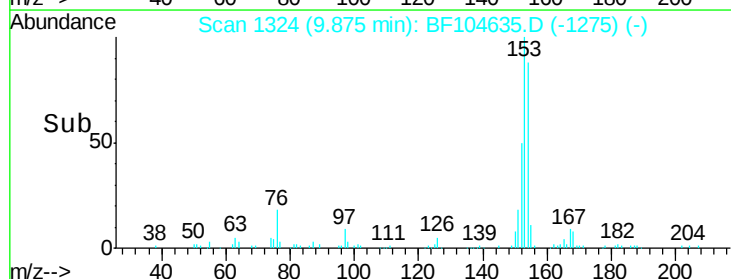
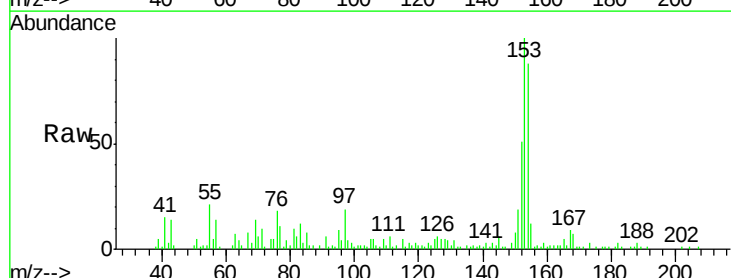
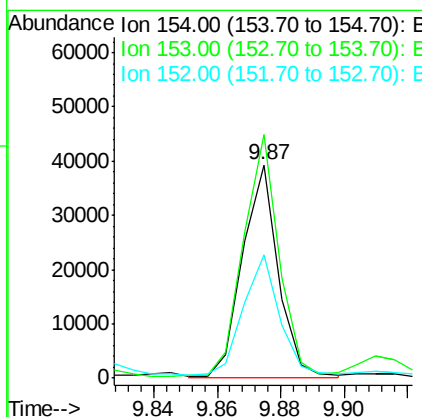
Manual Integrations
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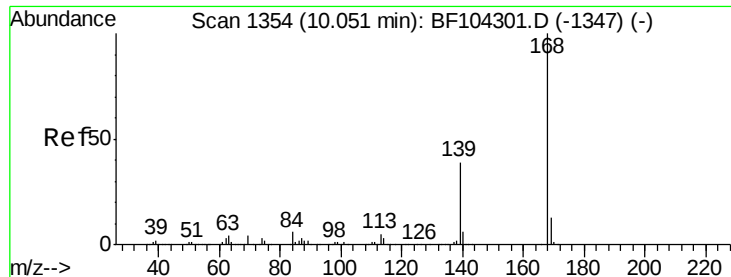
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#51
Acenaphthene
Concen: 2.459 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF104635.D
Acq: 19 Apr 2018 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	30854		
153	114.3		91.2	136.8
152	57.8		43.8	65.8





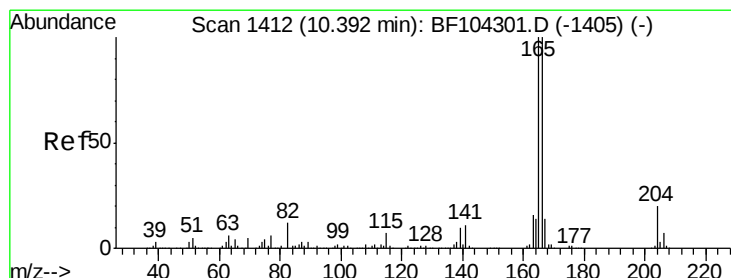
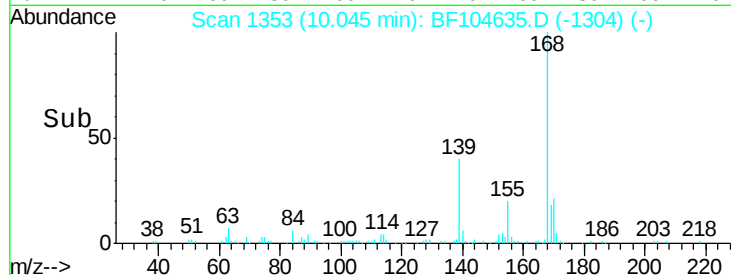
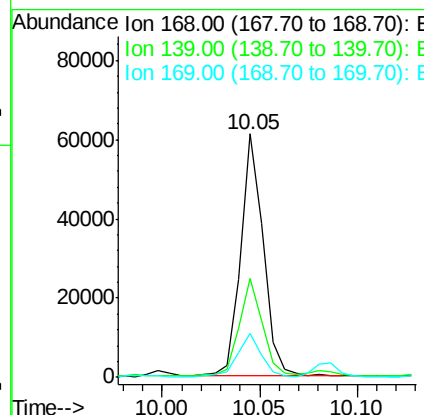
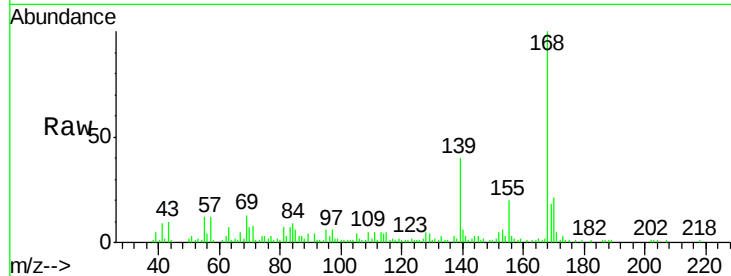
#54
Dibenzofuran
Concen: 2.821 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF104635.D
Acq: 19 Apr 2018 18:32

Instrument :
BNA_F
ClientSampleId :
SU-01-041818

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.4	30.1	45.1
169	17.8	10.9	16.3

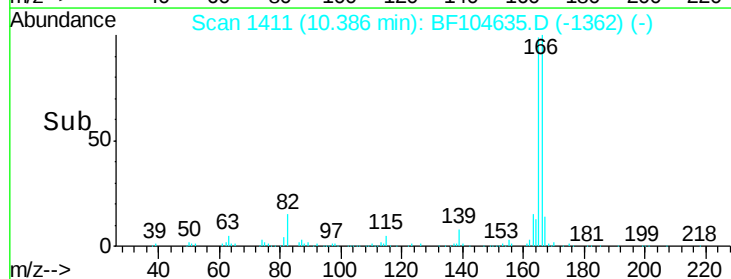
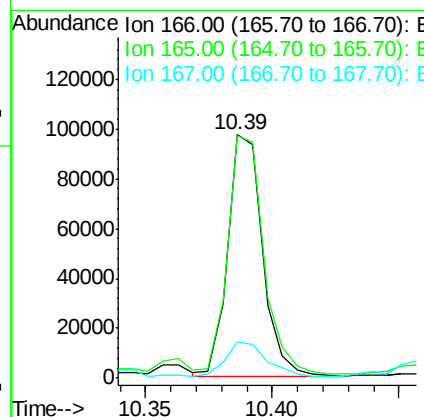
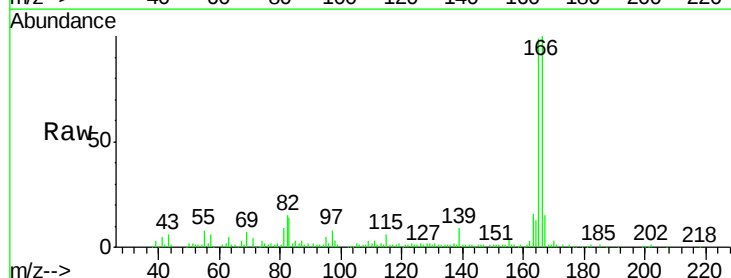
Manual Integrations
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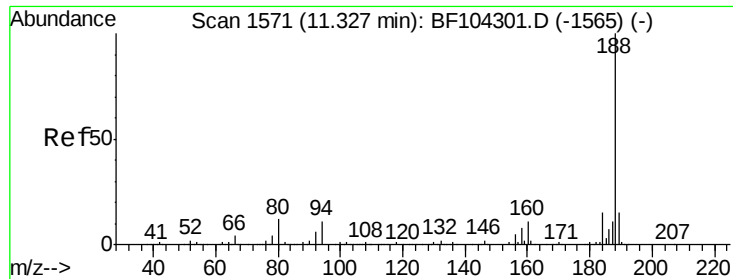
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#57
Fluorene
Concen: 7.265 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.01 min
Lab File: BF104635.D
Acq: 19 Apr 2018 18:32

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.4	79.8	119.8
167	14.9	10.6	16.0





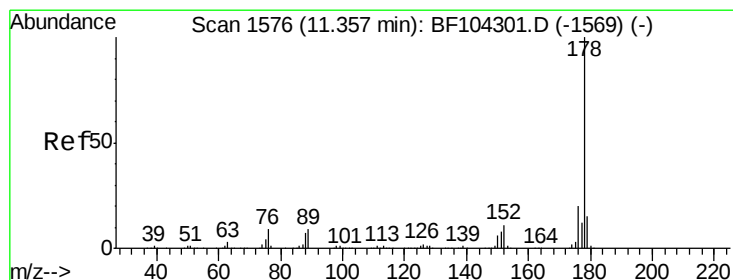
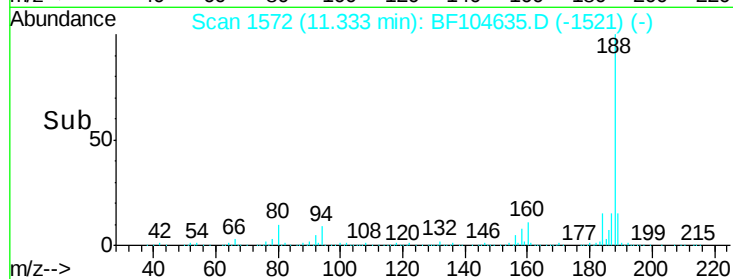
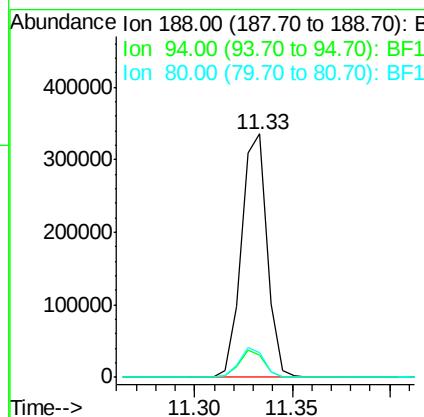
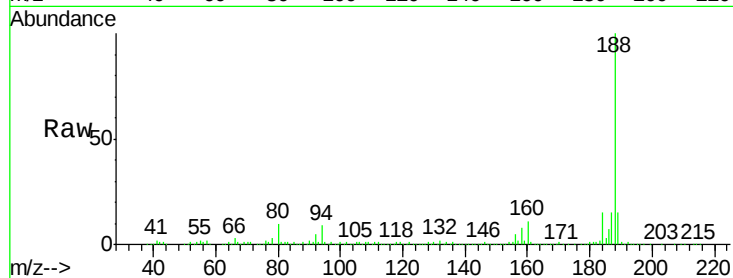
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF104635.D
Acq: 19 Apr 2018 18:32

Instrument :
BNA_F
ClientSampleId :
SU-01-041818

Tot Ion:	188	Resp:	306852
Ion Ratio	Lower	Upper	
188	100		
94	9.4	8.5	12.7
80	9.9	9.2	13.8

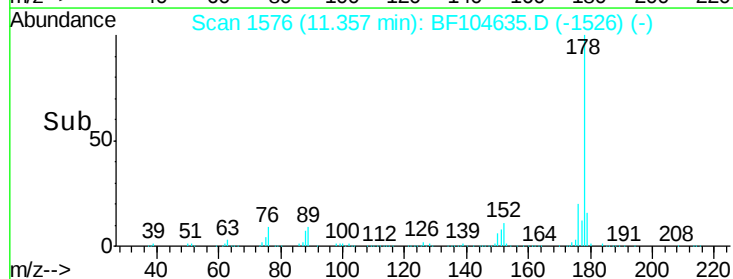
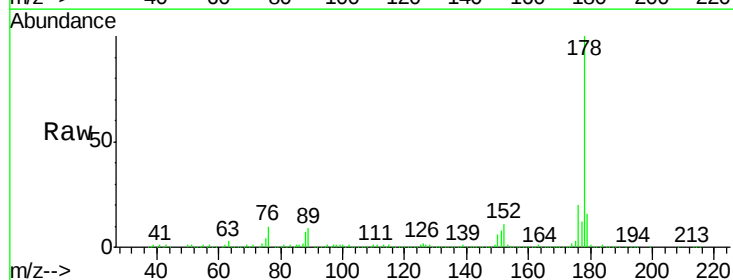
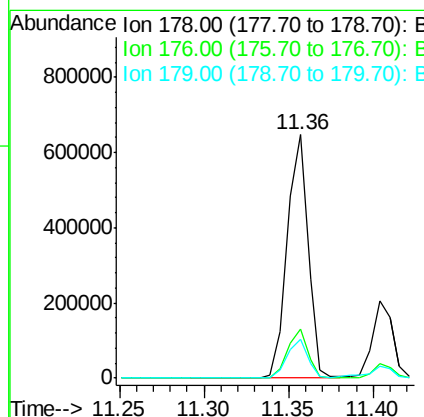
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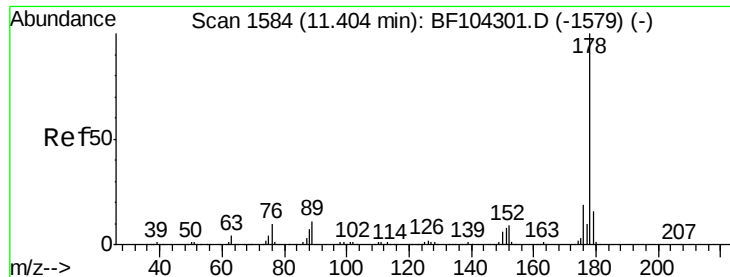
Sohil
4/20/2018 3:05:19 PM



#70
Phenanthrene
Concen: 32.090 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104635.D
Acq: 19 Apr 2018 18:32

Tgt Ion:	178	Resp:	548370
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.8	23.8
179	15.8	13.0	19.6





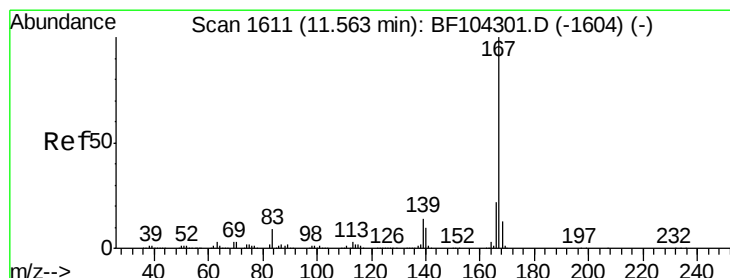
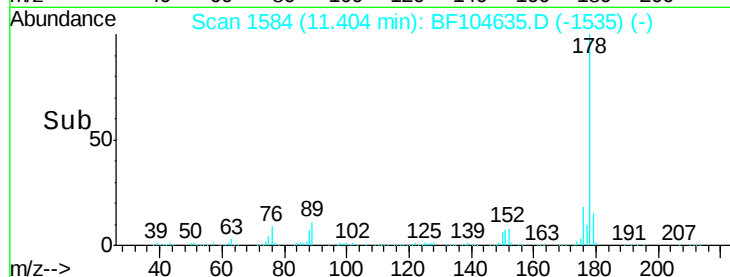
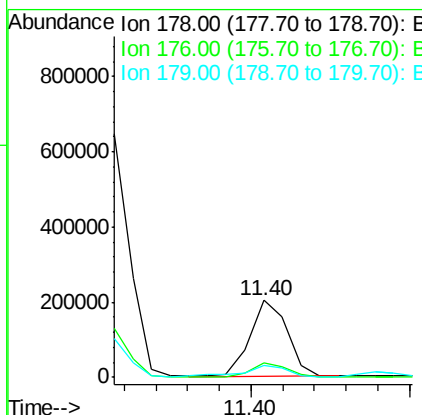
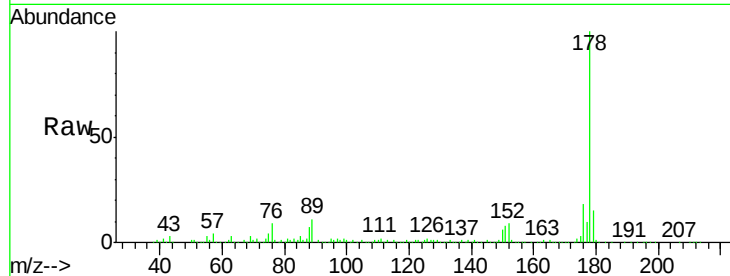
#71
 Anthracene
 Concen: 9.594 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF104635.D
 Acq: 19 Apr 2018 18:32

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-041818

Tot Ion	Ion	Ratio	Resp	Lower	Upper
178	100		166651		
176	18.3	15.4	23.2		
179	15.2	12.6	19.0		

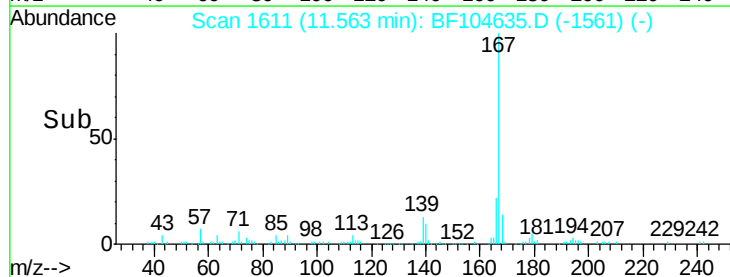
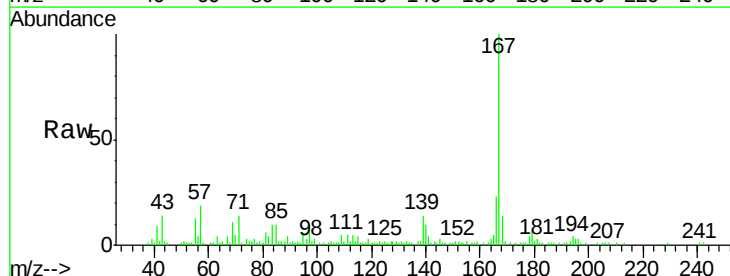
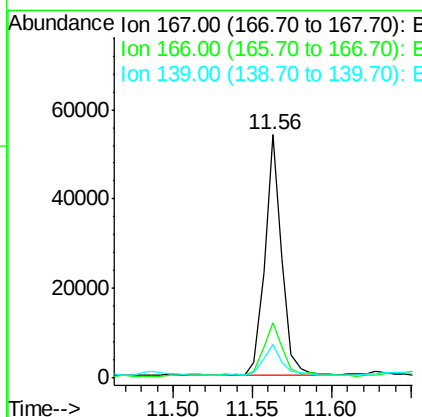
Manual Integrations
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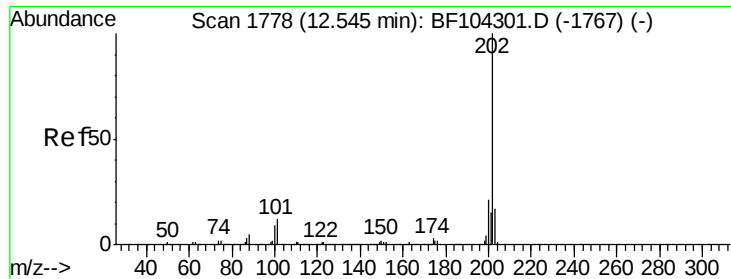
Sohil
 4/20/2018 3:05:19 PM



#72
 Carbazole
 Concen: 2.376 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF104635.D
 Acq: 19 Apr 2018 18:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
167	100		40322		
166	22.6	17.6	26.4		
139	14.0	10.9	16.3		





#74

Fluoranthene

Concen: 41.985 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.00 min

Lab File: BF104635.D

Acq: 19 Apr 2018 18:32

Instrument :

BNA_F

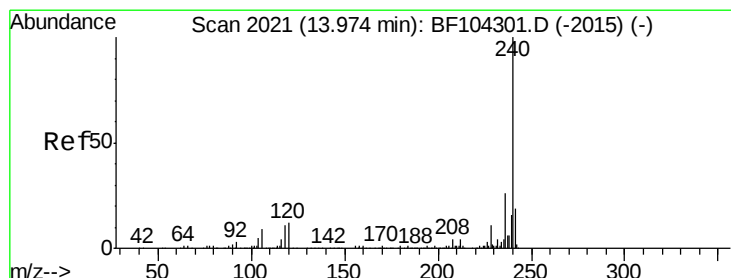
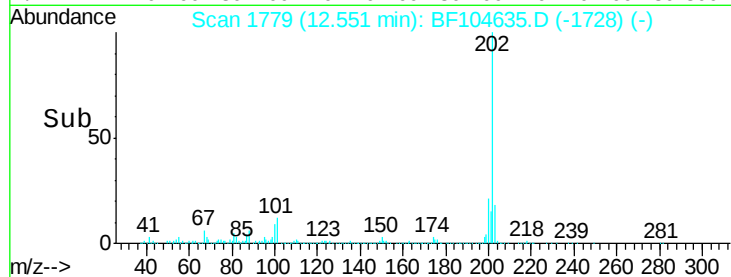
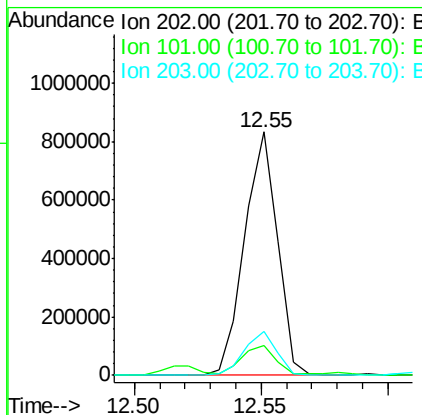
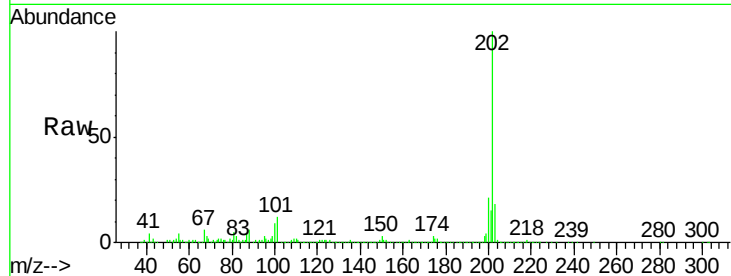
ClientSampled :

SU-01-041818

Tot Ion:	202	Resp:	749611
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	34.1
203	17.9	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

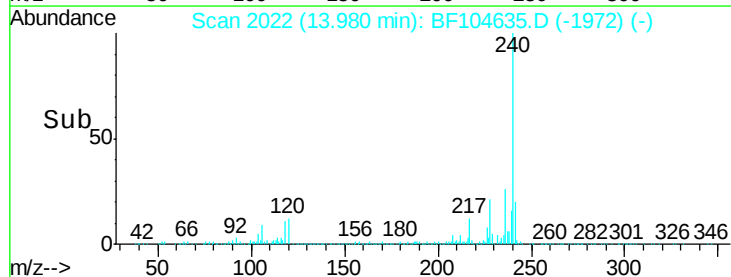
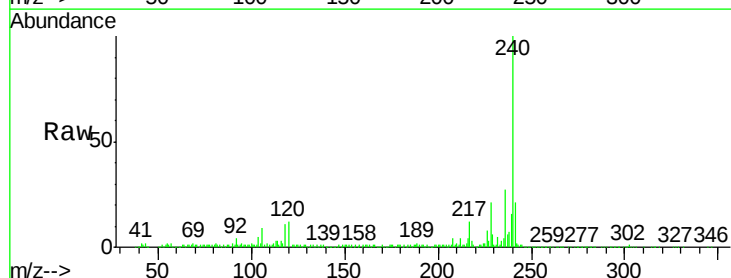
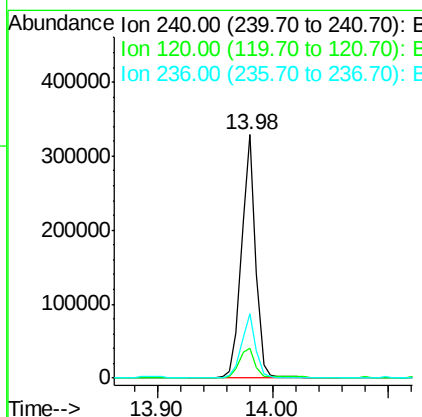
RT: 13.98 min Scan# 2022

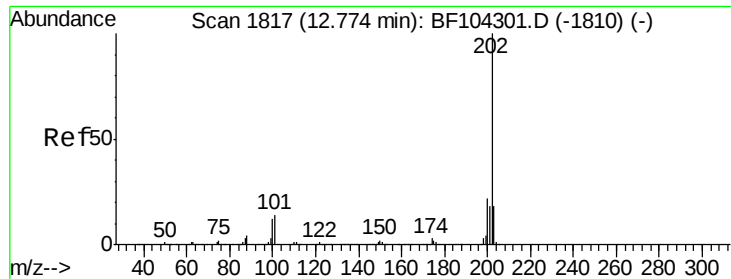
Delta R.T. -0.01 min

Lab File: BF104635.D

Acq: 19 Apr 2018 18:32

Tgt Ion:	240	Resp:	275639
Ion Ratio	Lower	Upper	
240	100		
120	12.4	9.5	14.3
236	26.5	20.7	31.1





#77

Pvrene

Concen: 35.152 ng

RT: 12.78 min Scan# 1818

Delta R.T. 0.00 min

Lab File: BF104635.D

Acq: 19 Apr 2018 18:32

Instrument :

BNA_F

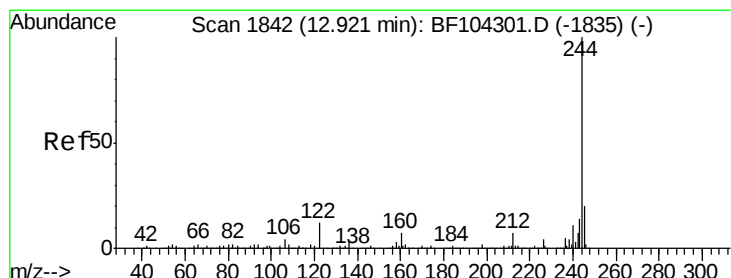
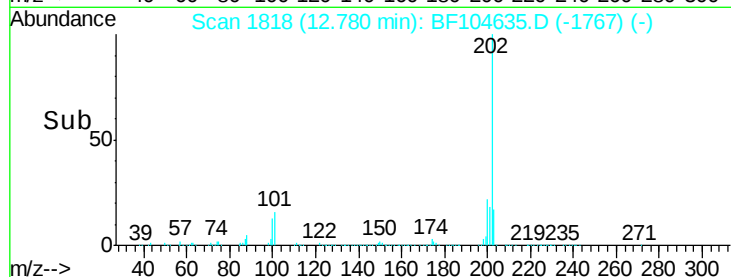
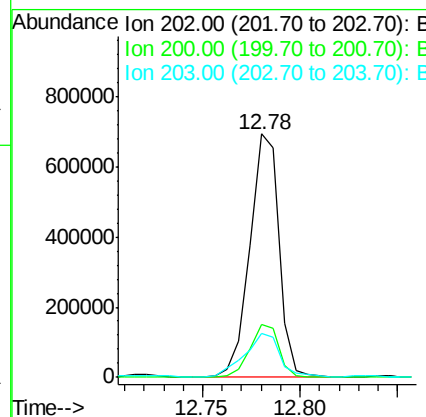
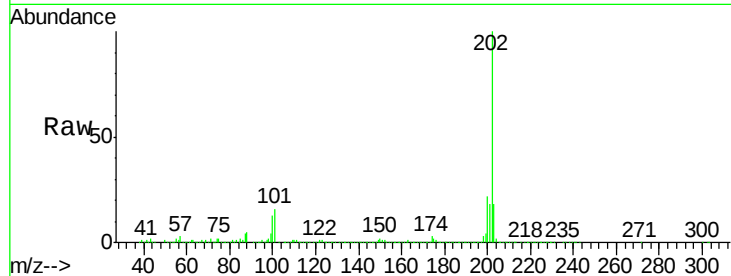
ClientSampleId :

SU-01-041818

Tot Ion:	202	Resp:	718200
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	17.9	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 12.151 ng

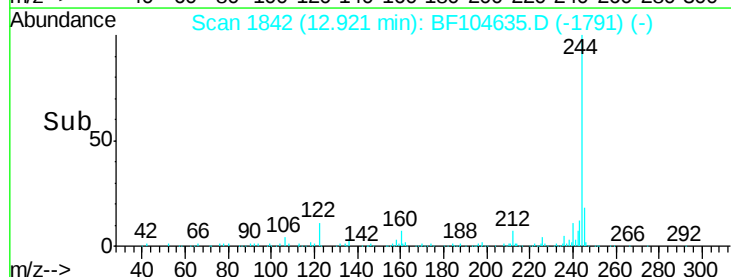
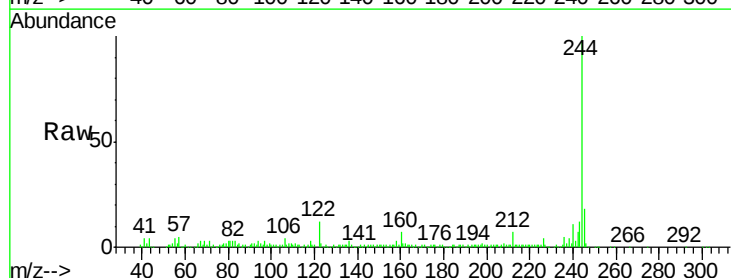
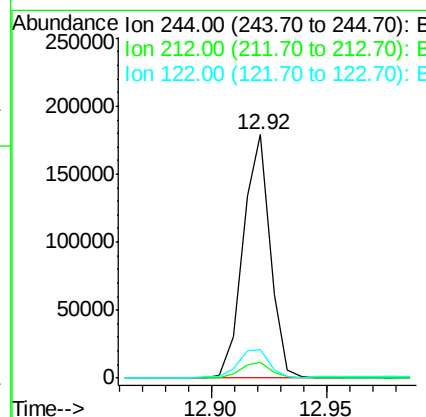
RT: 12.92 min Scan# 1842

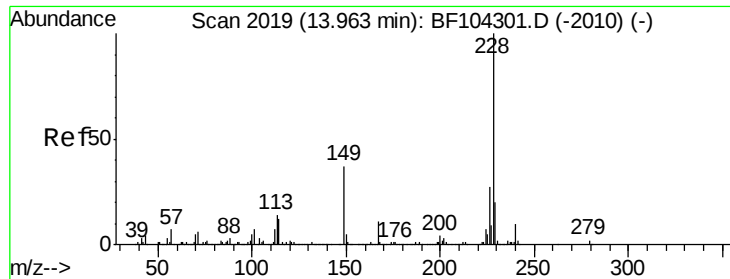
Delta R.T. 0.00 min

Lab File: BF104635.D

Acq: 19 Apr 2018 18:32

Tgt Ion:	244	Resp:	146912
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	11.6	11.0	16.4





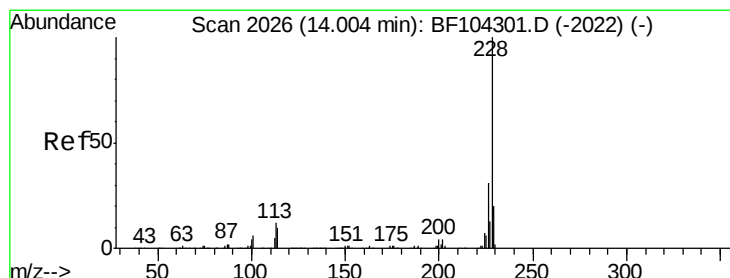
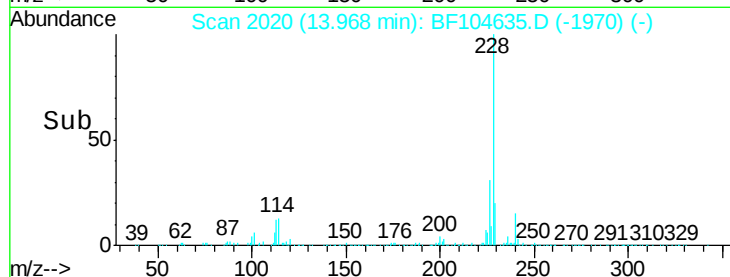
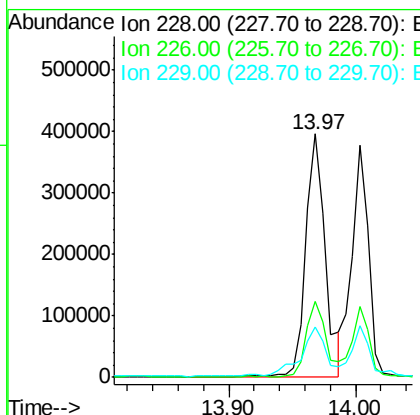
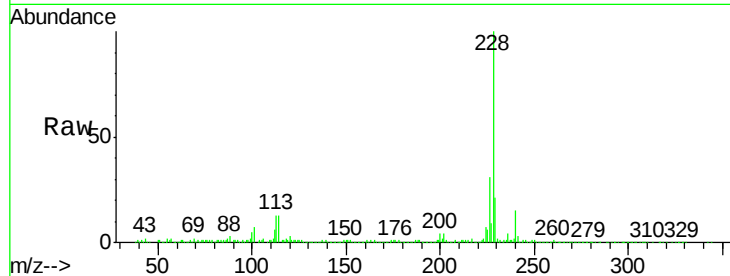
#80
Benzo(a)anthracene
Concen: 25.619 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104635.D
Acq: 19 Apr 2018 18:32

Instrument :
BNA_F
ClientSampleId :
SU-01-041818

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.6	33.8
229	20.8	15.8	23.6

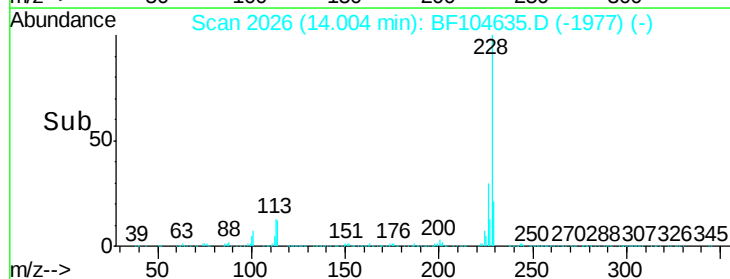
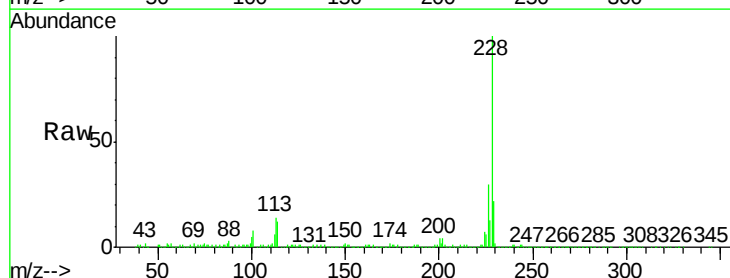
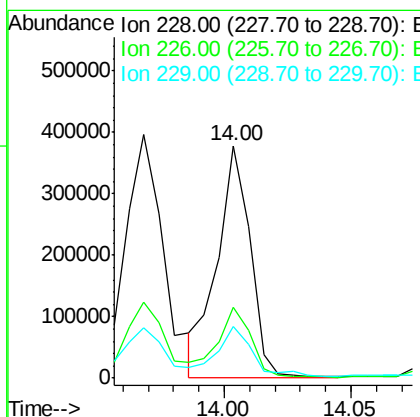
Manual Integrations
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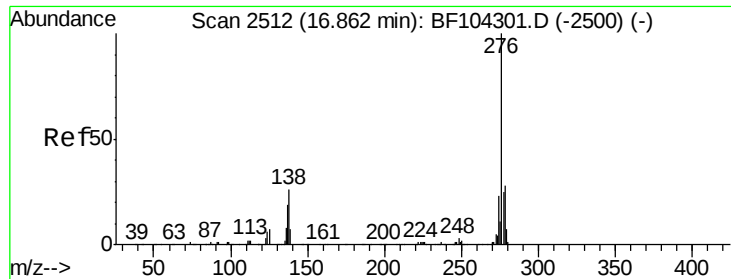
Sohil
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#82
Chrysene
Concen: 20.297 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF104635.D
Acq: 19 Apr 2018 18:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	22.1	16.2	24.4





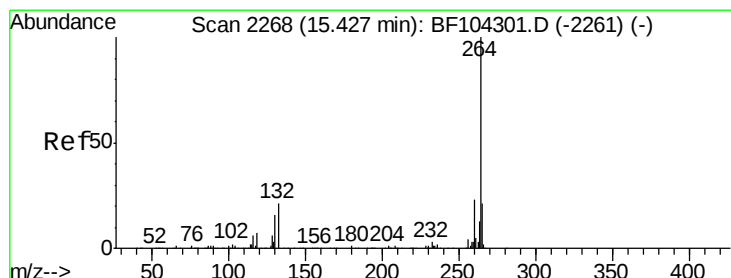
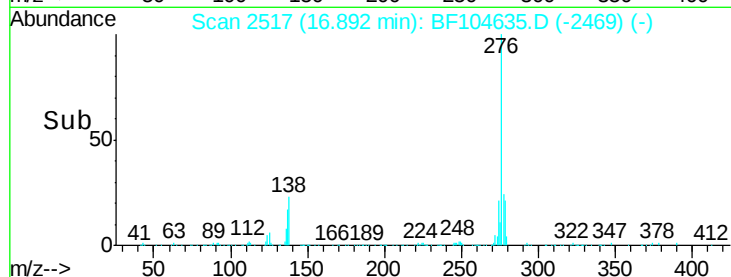
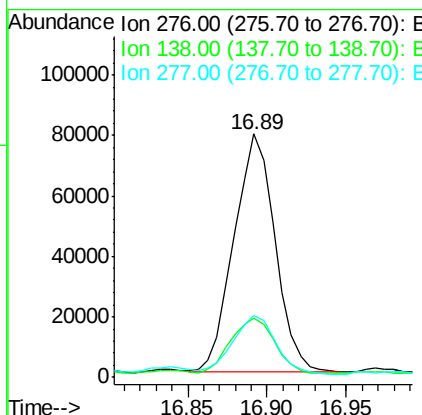
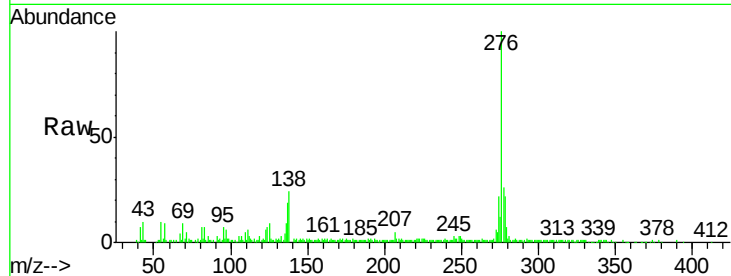
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.804 ng
RT: 16.89 min Scan# 2517
Delta R.T. -0.02 min
Lab File: BF104635.D
Acq: 19 Apr 2018 18:32

Instrument :
BNA_F
ClientSampleId :
SU-01-041818

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.0	25.0	37.6
277	25.9	20.1	30.1

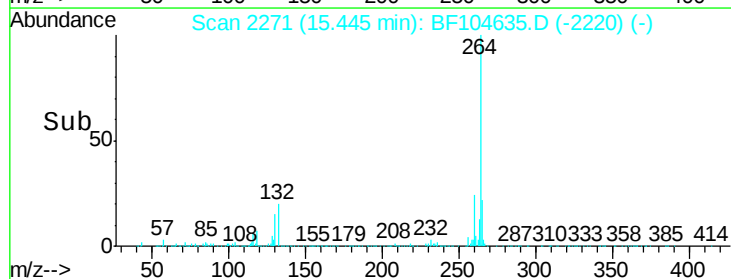
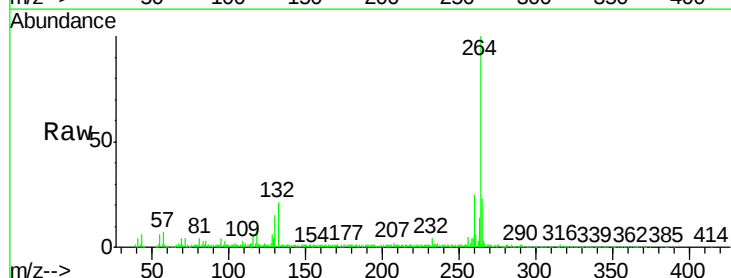
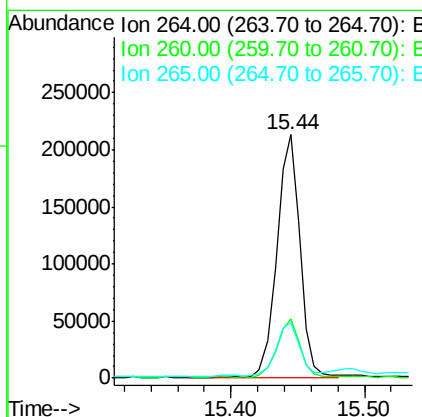
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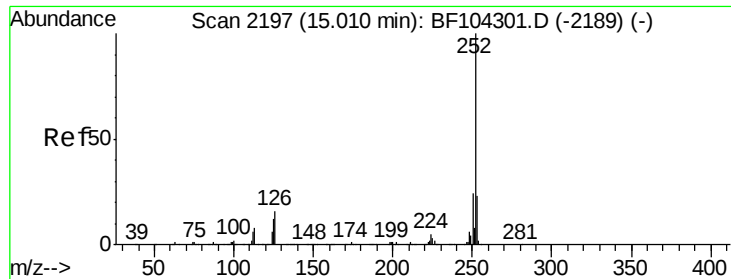
Sohil
4/20/2018 3:05:19 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.00 min
Lab File: BF104635.D
Acq: 19 Apr 2018 18:32

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.5	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 27.958 ng m

RT: 15.02 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BF104635.D

Acq: 19 Apr 2018 18:32

Instrument :

BNA_F

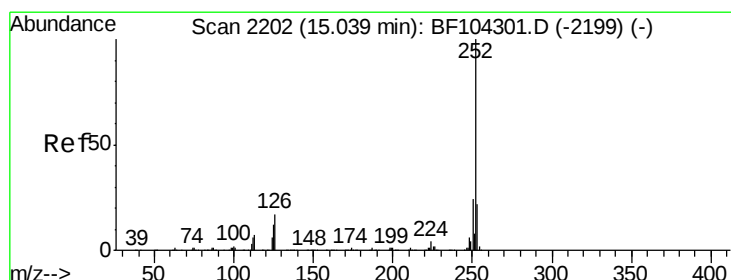
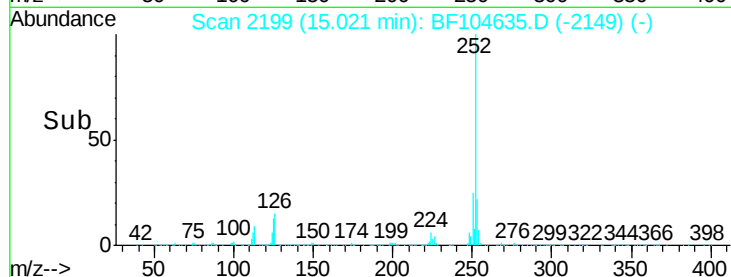
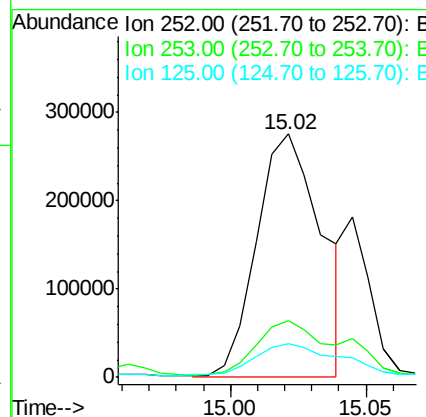
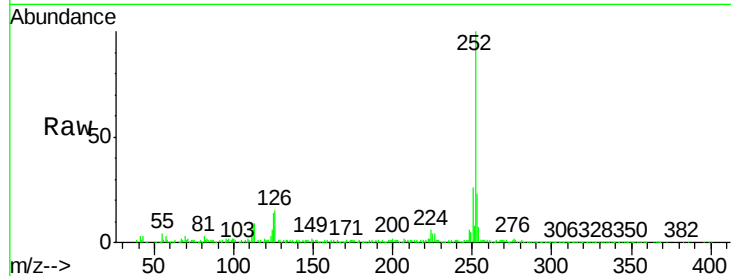
ClientSampleId :

SU-01-041818

Tot Ion:	252	Resp:	455964
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.0	25.6
125	13.6	9.0	13.6

Manual Integrations
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4/20/2018 3:05:19 PM



#88

Benzo(k)fluoranthene

Concen: 7.845 ng m

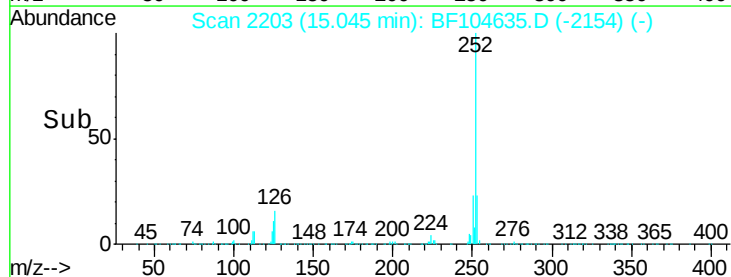
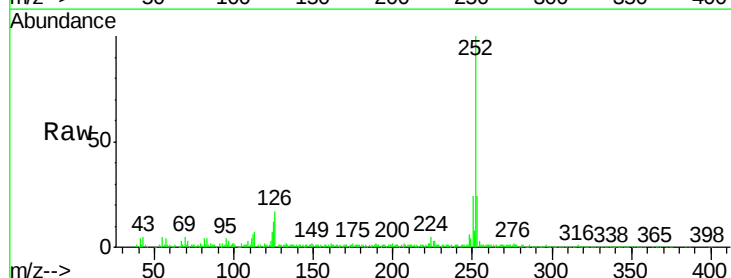
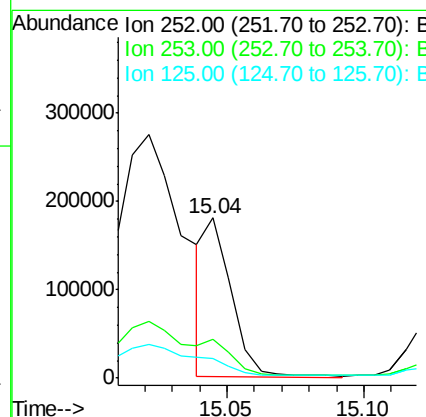
RT: 15.04 min Scan# 2203

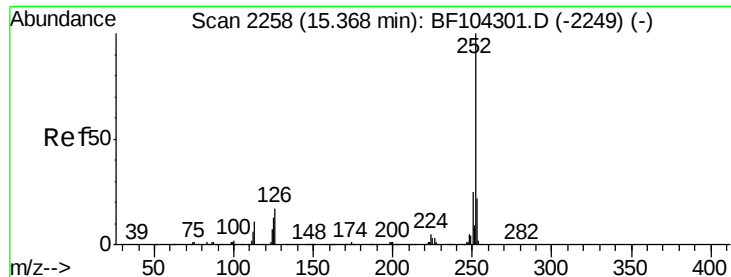
Delta R.T. -0.01 min

Lab File: BF104635.D

Acq: 19 Apr 2018 18:32

Tgt Ion:	252	Resp:	120794
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.9	26.9
125	12.5	10.2	15.2





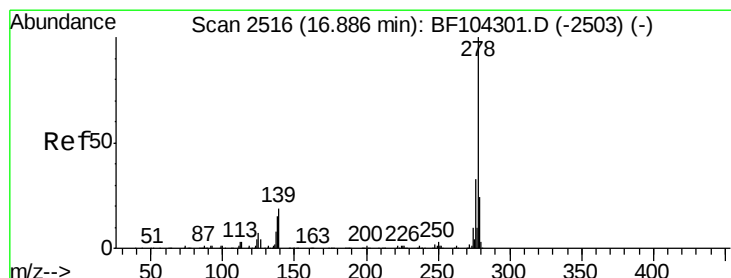
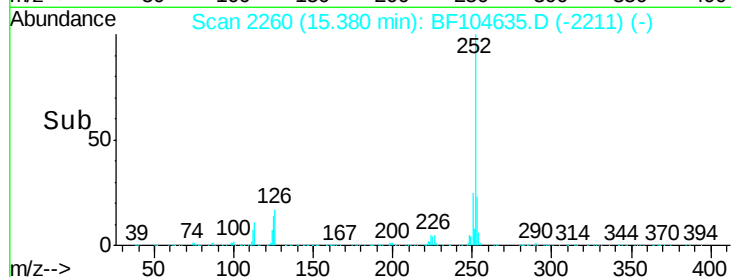
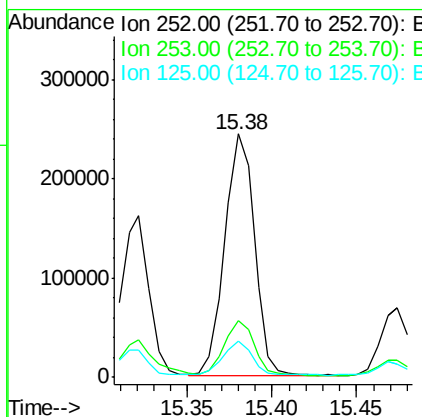
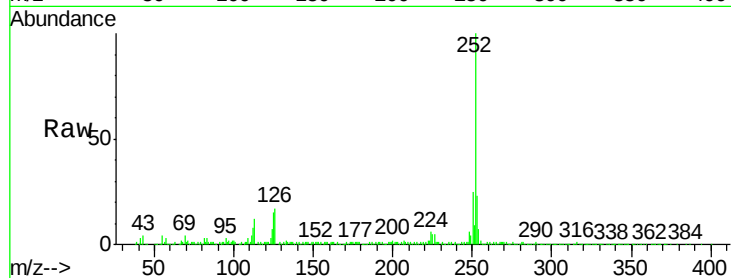
#89
Benzo(a)pyrene
Concen: 20.493 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF104635.D
Acq: 19 Apr 2018 18:32

Instrument :
BNA_F
ClientSampleId :
SU-01-041818

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	14.9	9.8	14.6

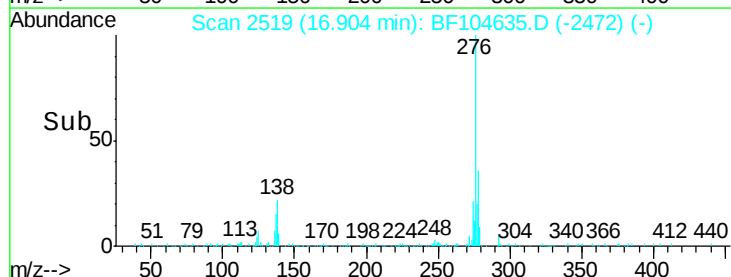
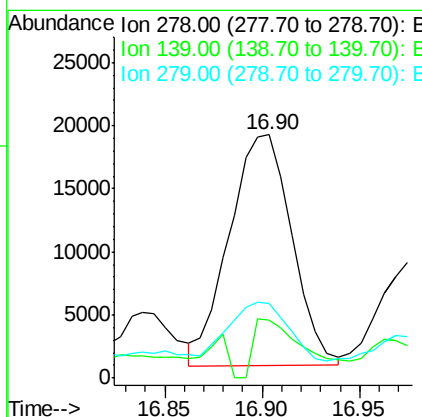
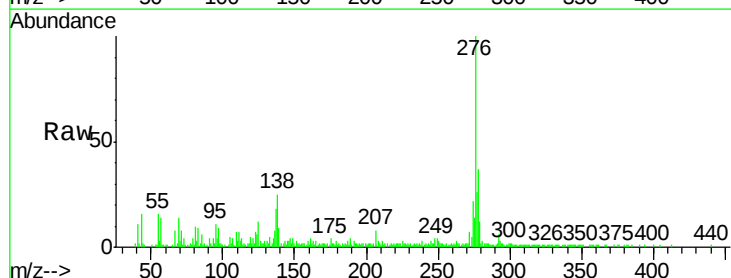
Manual Integrations
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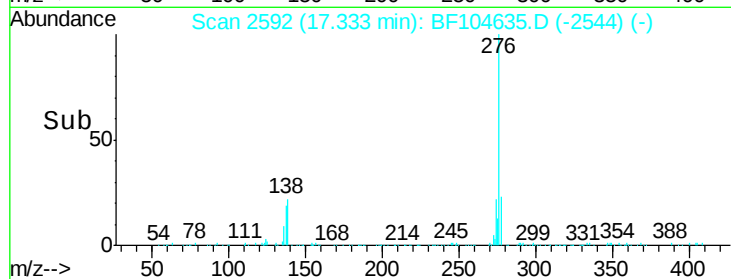
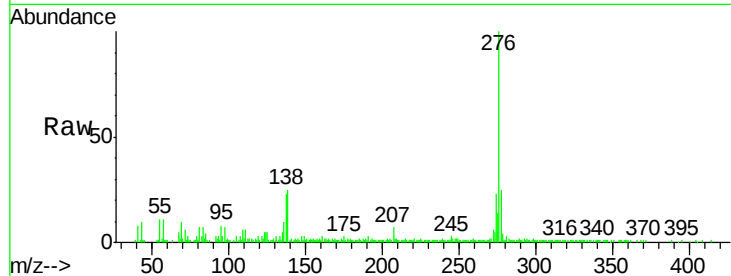
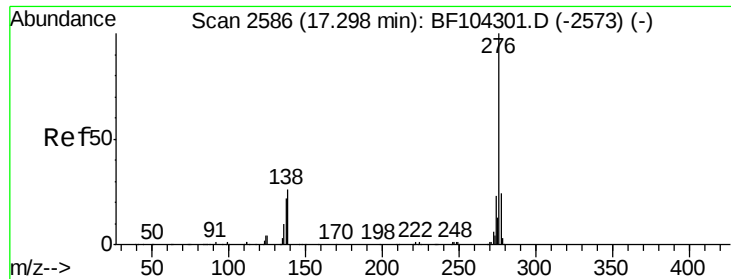
Sohil
4/20/2018 3:05:19 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.401 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.02 min
Lab File: BF104635.D
Acq: 19 Apr 2018 18:32

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.7	15.9	23.9
279	30.8	19.0	28.4





#91
Benzo(a,h,i)perylene
Concen: 11.412 ng
RT: 17.33 min Scan# 2592
Delta R.T. -0.02 min
Lab File: BF104635.D
Acq: 19 Apr 2018 18:32

Instrument :
BNA_F
ClientSampleId :
SU-01-041818

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	25.1	21.8	32.8

Manual Integrations
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4/20/2018 3:05:19 PM

