

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104489.D
 Acq On : 13 Apr 2018 20:01
 Operator : JU/SJ
 Sample : J2348-05 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 155

Manual Integrations
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Sohil
 4/16/2018 3:10:24 PM

Quant Time: Apr 13 23:37:56 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 13 17:38:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	120155	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	488819	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	211291	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	327089	20.00	ng	0.00
75) Chrysene-d12	13.99	240	217235	20.00	ng	0.00
86) Perylene-d12	15.46	264	195328	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	90316	11.49	ng	-0.01
7) Phenol-d6	6.43	99	110300	11.42	ng	-0.02
23) Nitrobenzene-d5	7.37	82	60381	8.07	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	21193	9.67	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	124962	9.34	ng	0.00
78) Terphenyl-d14	12.93	244	88173	9.25	ng	0.00
Target Compounds						
31) Naphthalene	8.12	128	66017	2.712	ng	97
37) 2-Methylnaphthalene	8.80	142	32888	2.089	ng	98
51) Acenaphthene	9.88	154	63814	4.755	ng	98
54) Dibenzofuran	10.05	168	117157	6.264	ng	97
57) Fluorene	10.40	166	99011	7.273	ng	99
70) Phenanthrene	11.37	178	1006415	55.251	ng	99
71) Anthracene	11.42	178	396593	21.419	ng	99
72) Carbazole	11.57	167	39219	2.168	ng	98
74) Fluoranthene	12.56	202	1338151	70.312	ng	99
77) Pyrene	12.79	202	1138468	70.703	ng	100
80) Benzo(a)anthracene	13.98	228	643362	49.574	ng	99
82) Chrysene	14.02	228	504134	37.819	ng	97
85) Indeno(1,2,3-cd)pyrene	16.92	276	232112m	20.498	ng	
87) Benzo(b)fluoranthene	15.04	252	592902m	48.060	ng	
88) Benzo(k)fluoranthene	15.06	252	215604m	18.512	ng	
89) Benzo(a)pyrene	15.40	252	439073	39.778	ng	96
90) Dibenzo(a,h)anthracene	16.92	278	58737m	6.479	ng	
91) Benzo(g,h,i)perylene	17.36	276	189498	21.575	ng	95

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

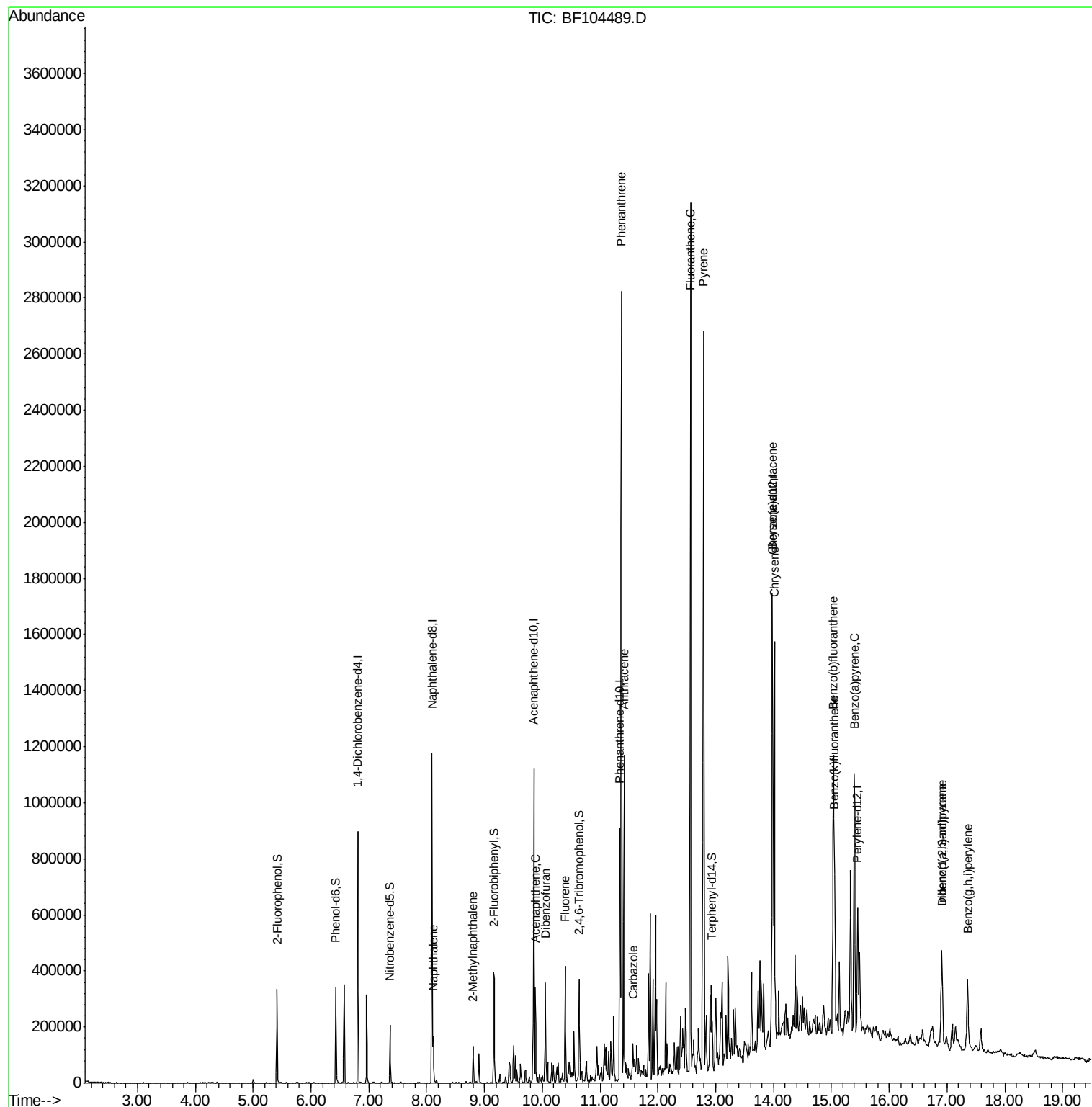
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
Data File : BF104489.D
Acq On : 13 Apr 2018 20:01
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ALS Vial : 18 Sample Multiplier: 1

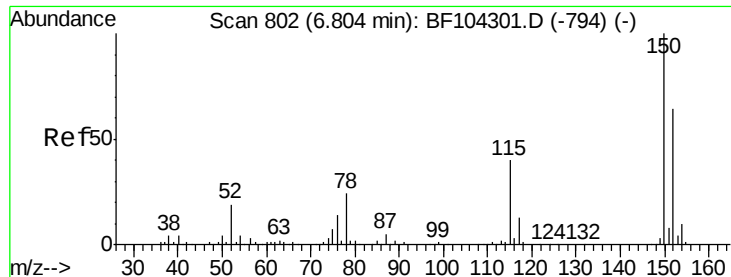
Instrument :
BNA_F
ClientSampleId :
155

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Quant Time: Apr 13 23:37:56 2018
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#1

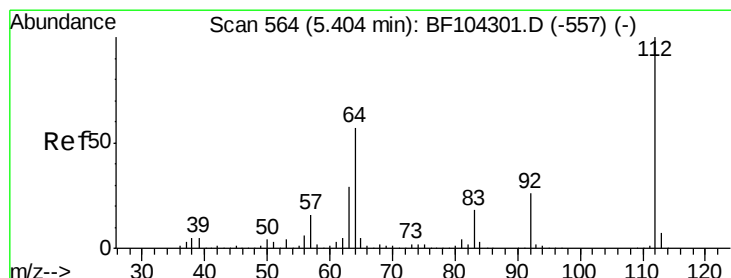
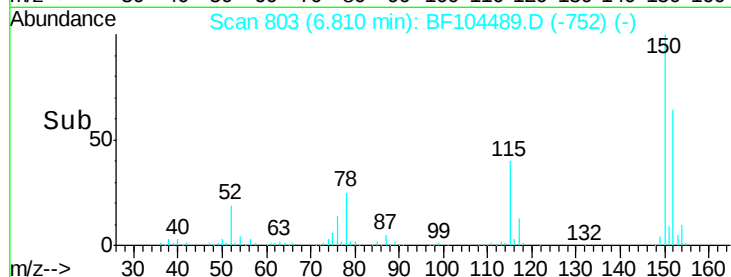
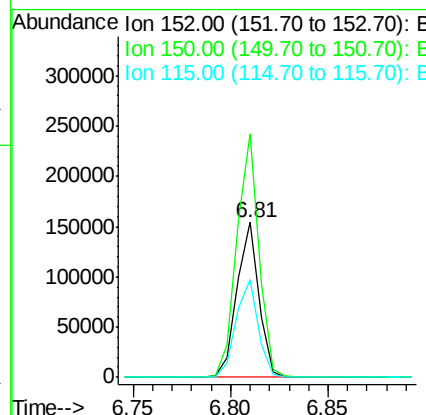
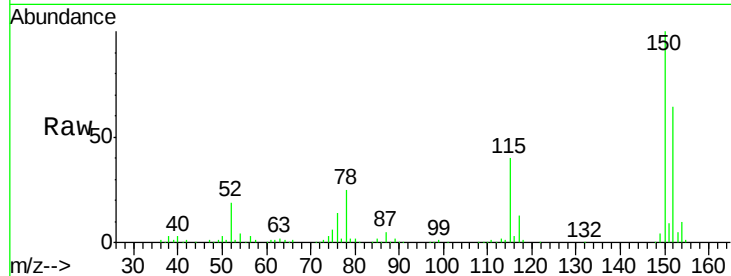
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Instrument :
BNA_F
ClientSampled :
155

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.6	186.8
115	62.7	50.1	75.1

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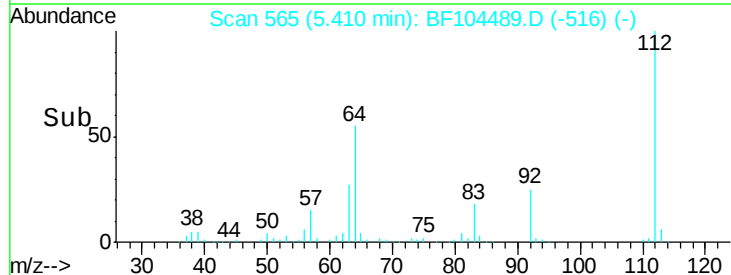
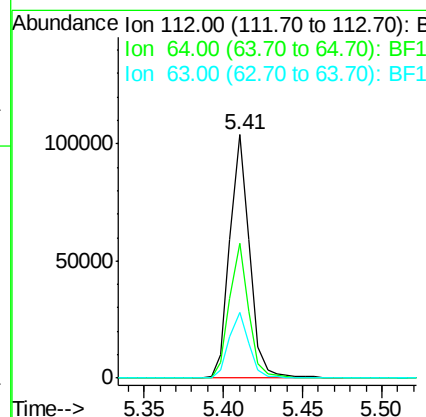
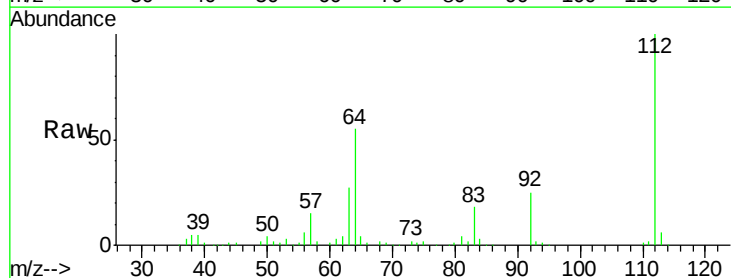
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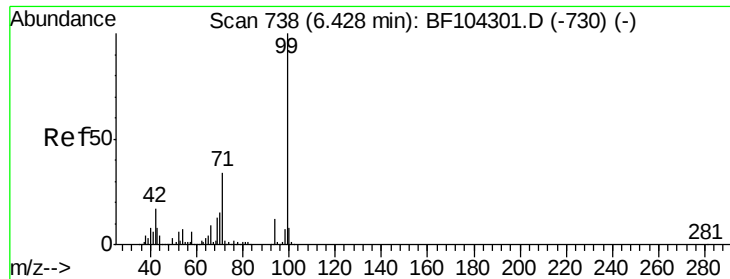


#5

2-Fluorophenol
Concen: 11.493 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	47.9	71.9
63	27.2	23.7	35.5





#7

Phenol-d6

Concen: 11.424 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF104489.D

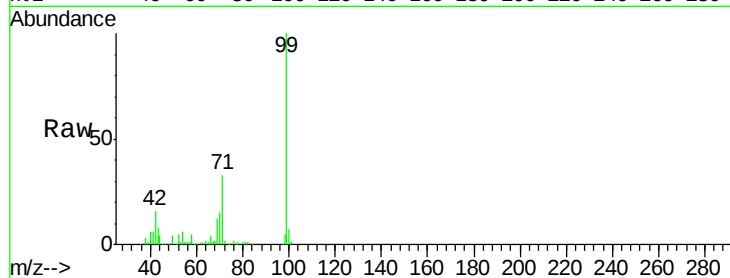
Acq: 13 Apr 2018 20:01

Instrument :

BNA_F

ClientSampleId :

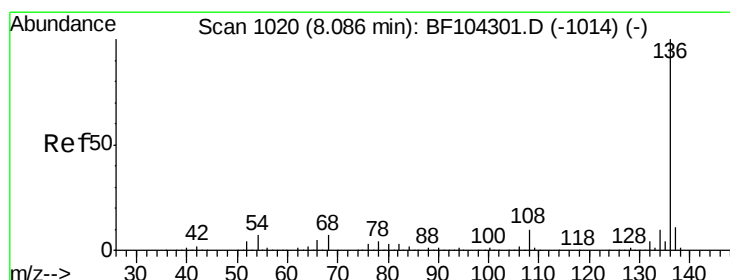
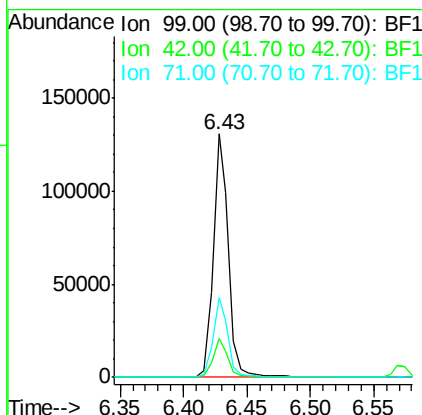
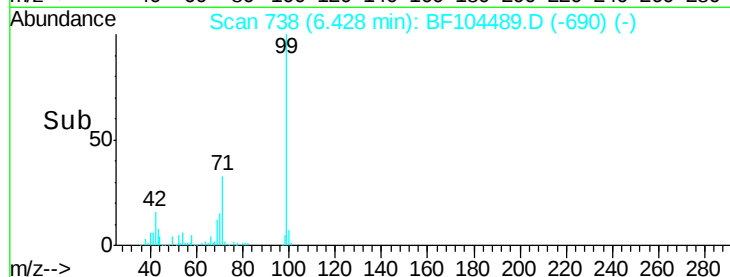
155



Tot Ion:	99	Resp:	110300
Ion Ratio	Lower	Upper	
99	100		
42	15.7	14.5	21.7
71	32.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

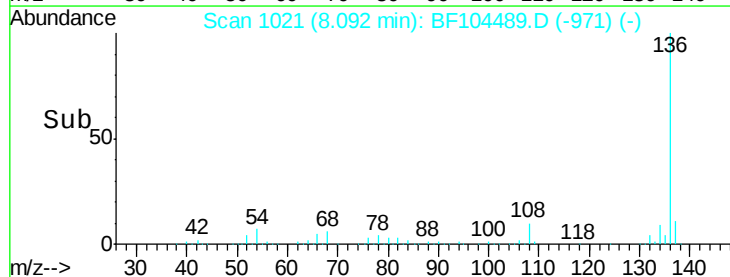
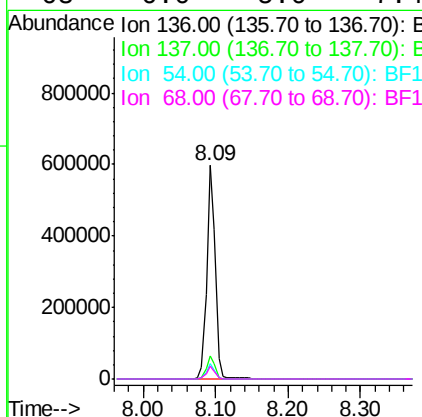
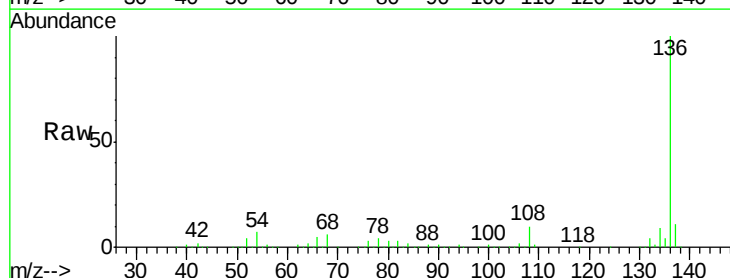
RT: 8.09 min Scan# 1021

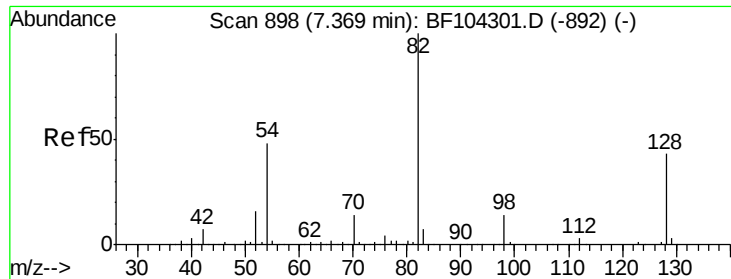
Delta R.T. -0.01 min

Lab File: BF104489.D

Acq: 13 Apr 2018 20:01

Tgt Ion:	136	Resp:	488819
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	7.0	6.6	9.8
68	6.0	5.0	7.4





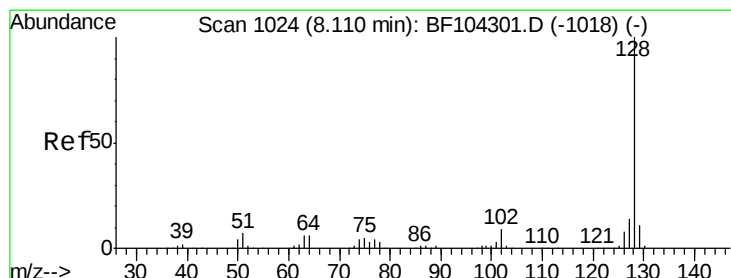
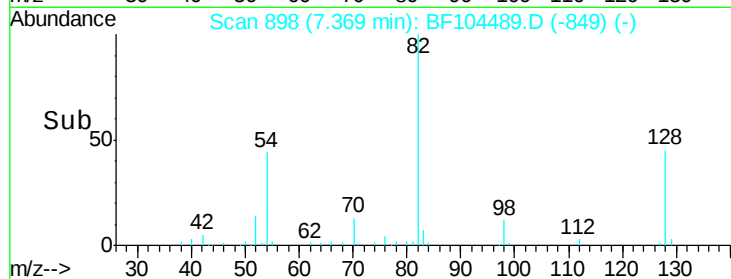
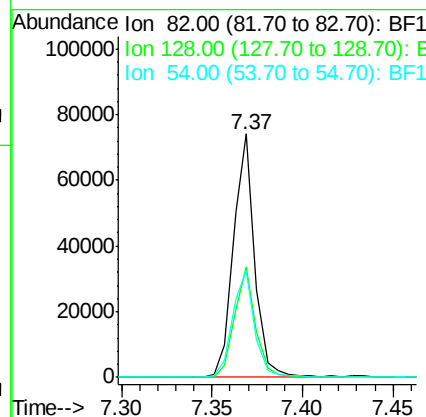
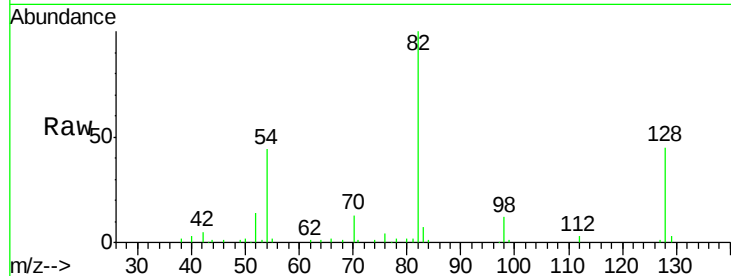
#23
Nitrobenzene-d5
Concen: 8.066 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Instrument :
BNA_F
ClientSampled :
155

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.1	54.1
54	43.9	41.4	62.2

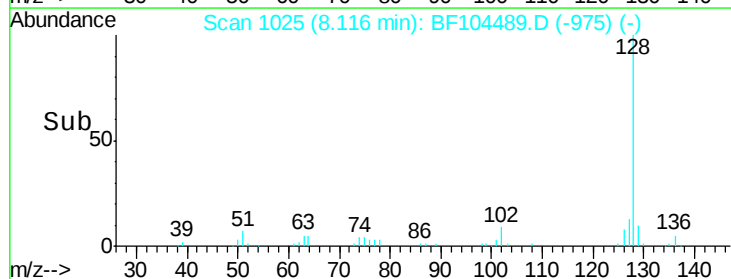
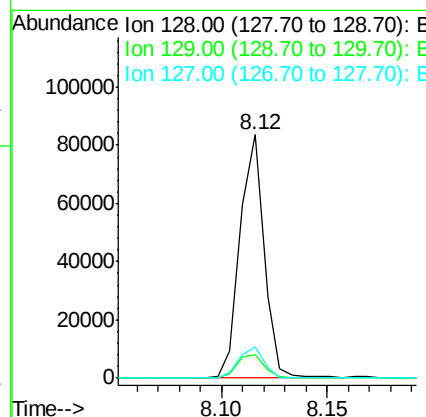
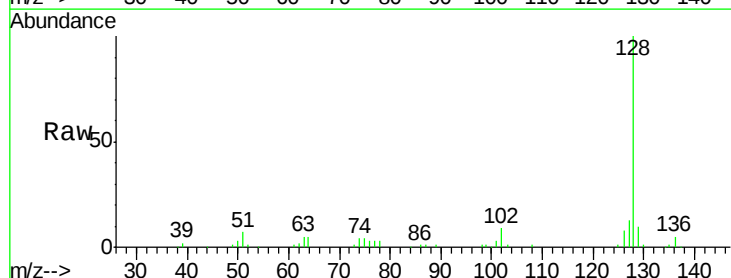
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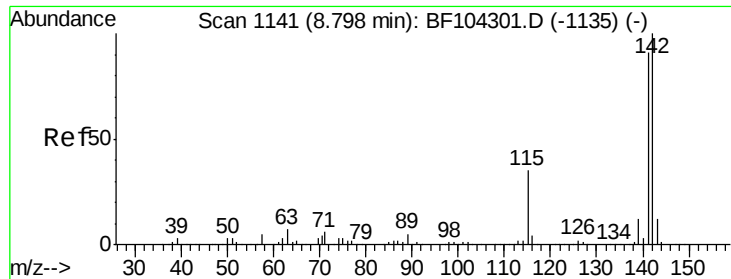
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#31
Naphthalene
Concen: 2.712 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.7	8.8	13.2
127	12.8	10.9	16.3





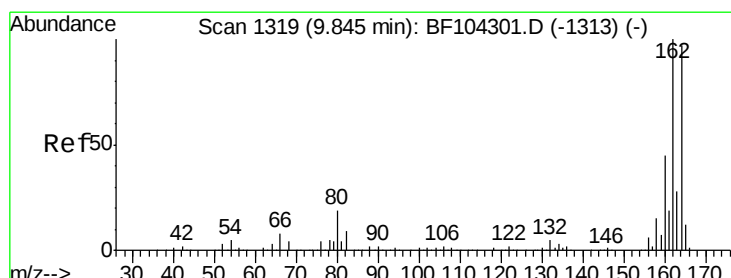
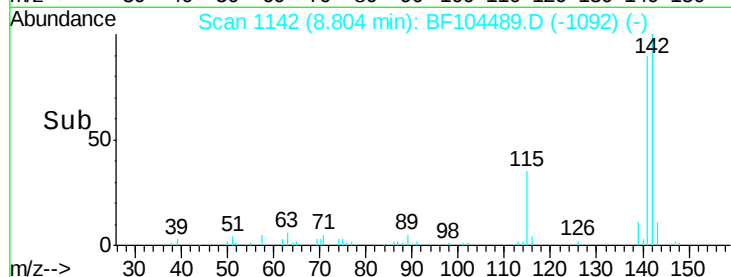
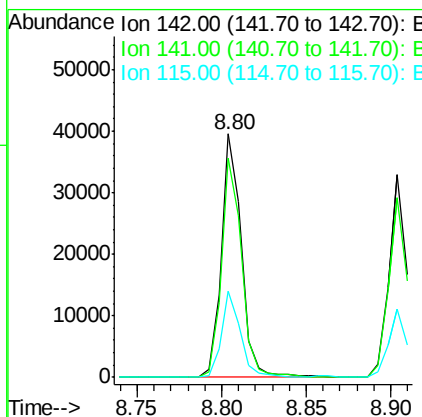
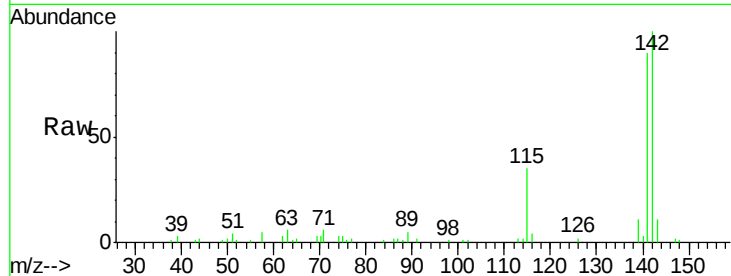
#37
2-Methylnaphthalene
Concen: 2.089 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Instrument :
BNA_F
ClientSampled :
155

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.8	106.2
115	35.4	26.1	39.1

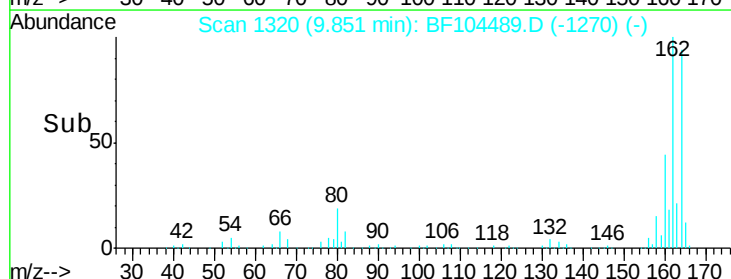
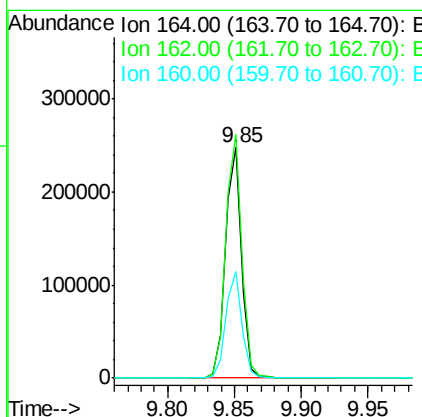
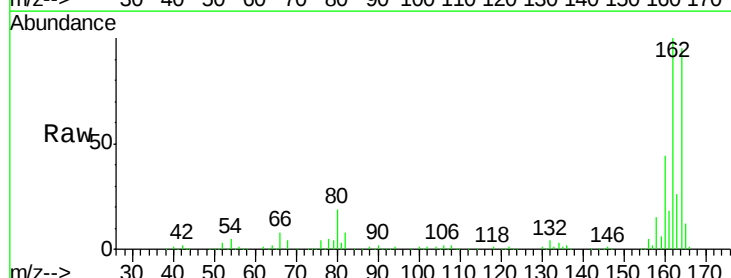
Manual Integrations
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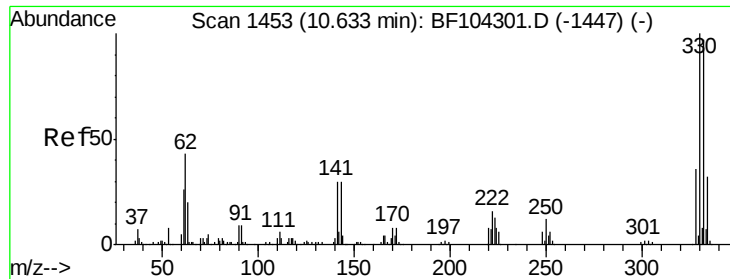
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.8	86.1	129.1
160	46.1	38.3	57.5





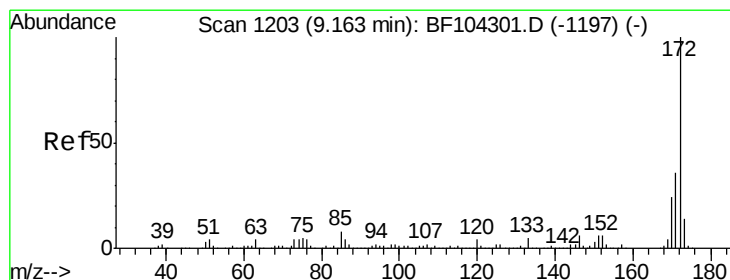
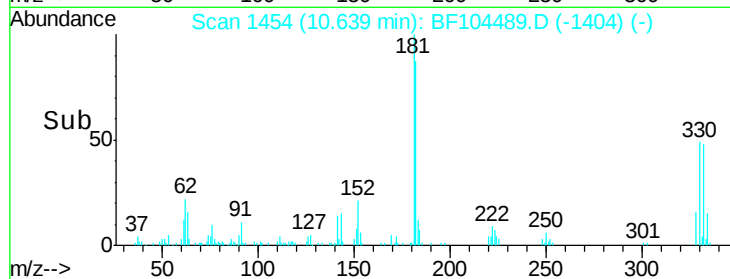
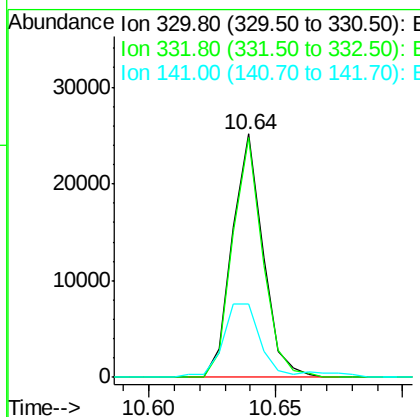
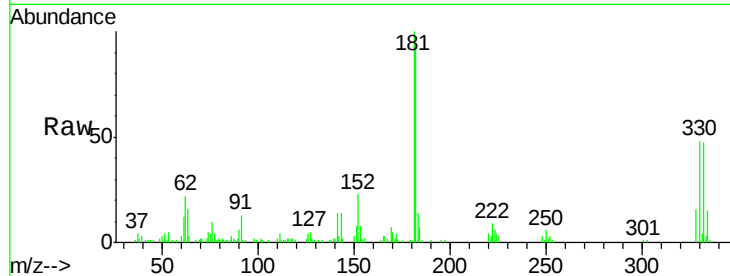
#41
 2,4,6-Tribromophenol
 Concen: 9.669 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF104489.D
 Acq: 13 Apr 2018 20:01

Instrument :
 BNA_F
 ClientSampled :
 155

Tot Ion	Ratio	Resp	Lower	Upper
330	100	21193		
332	96.5	77.0	115.6	
141	39.4	29.9	44.9	

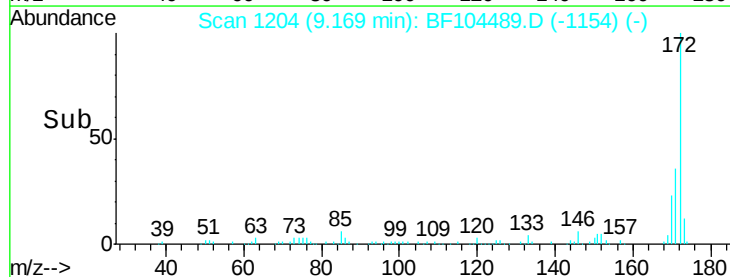
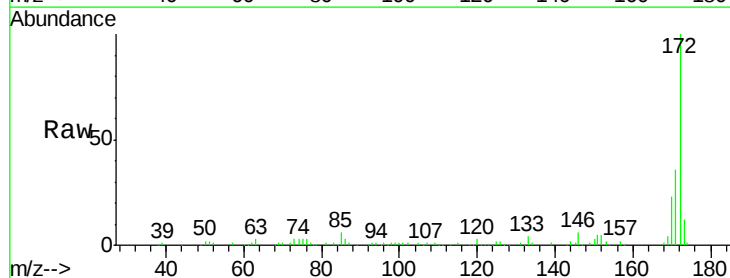
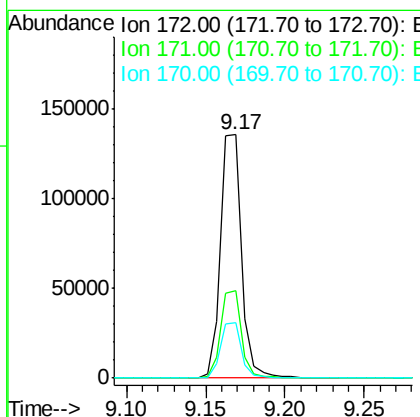
Manual Integrations
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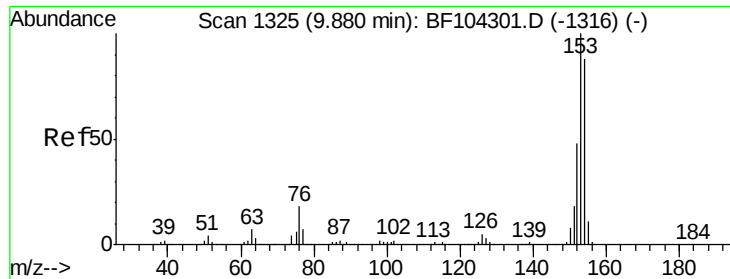
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#44
 2-Fluorobiphenyl
 Concen: 9.343 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104489.D
 Acq: 13 Apr 2018 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	124962		
171	35.8	29.7	44.5	
170	23.0	19.6	29.4	





#51

Acenaphthene

Concen: 4.755 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF104489.D

Acq: 13 Apr 2018 20:01

Instrument :

BNA_F

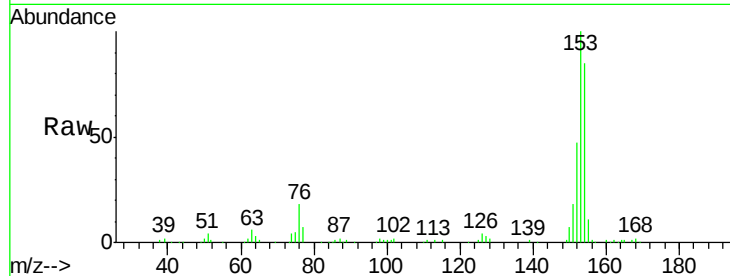
ClientSampleId :

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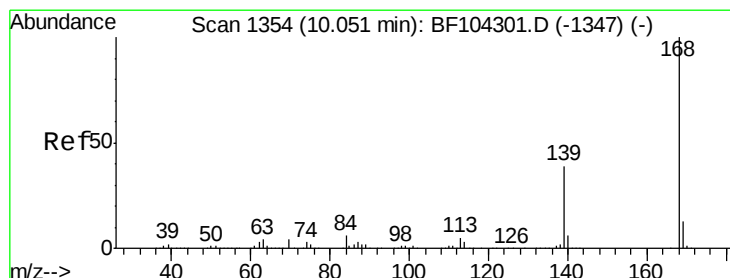
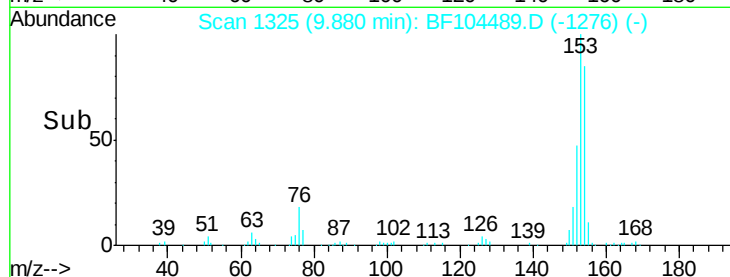
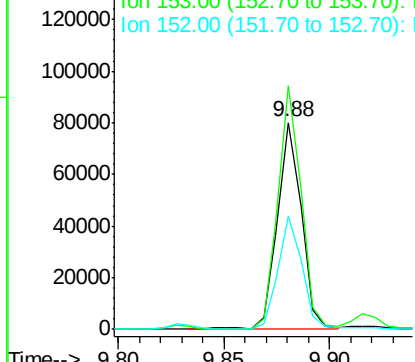
Tot Ion:	154	Resp:	63814
Ion	Ratio	Lower	Upper
154	100		
153	117.7	91.2	136.8
152	54.8	43.8	65.8

Manual Integrations
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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 6.264 ng

RT: 10.05 min Scan# 1354

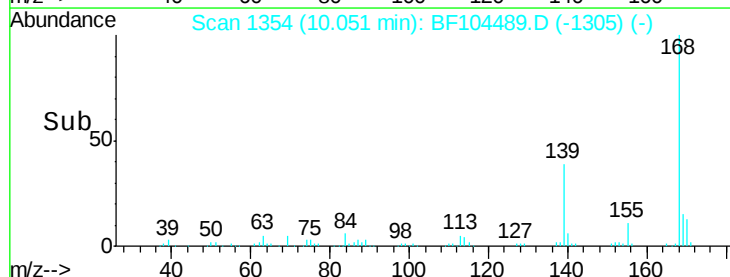
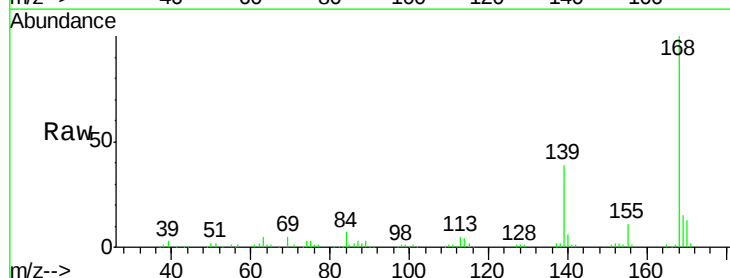
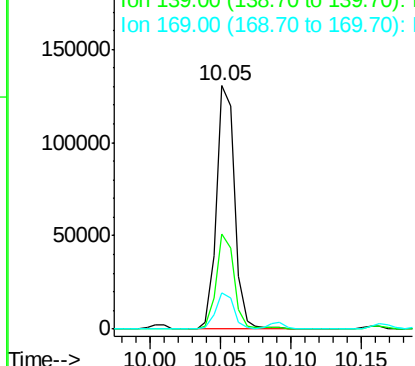
Delta R.T. -0.01 min

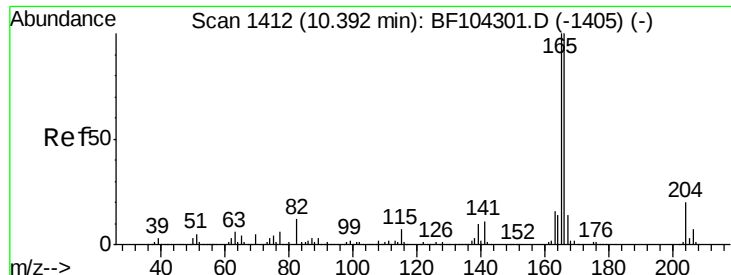
Lab File: BF104489.D

Acq: 13 Apr 2018 20:01

Tgt Ion:	168	Resp:	117157
Ion	Ratio	Lower	Upper
168	100		
139	39.1	30.1	45.1
169	14.7	10.9	16.3

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





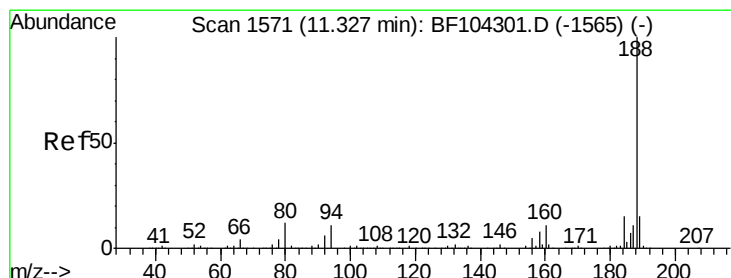
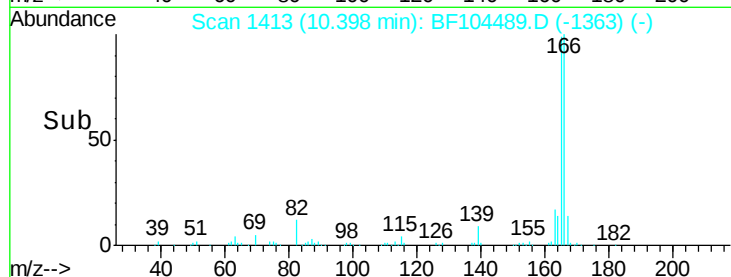
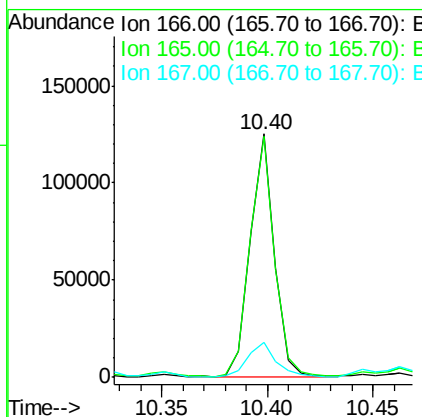
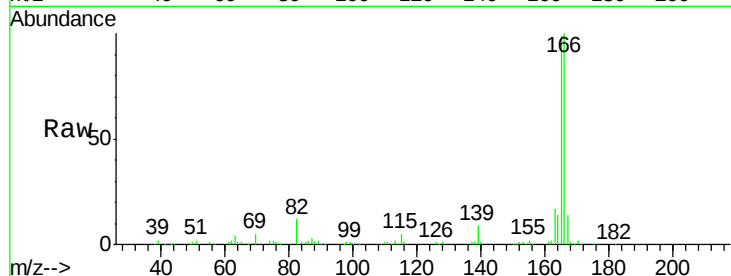
#57
Fluorene
 Concen: 7.273 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: BF104489.D
 Acq: 13 Apr 2018 20:01

Instrument :
 BNA_F
 ClientSampled :
 155

Tot Ion	Ratio	Resp	Lower	Upper
166	100	99011		
165	99.3	79.8	119.8	
167	14.2	10.6	16.0	

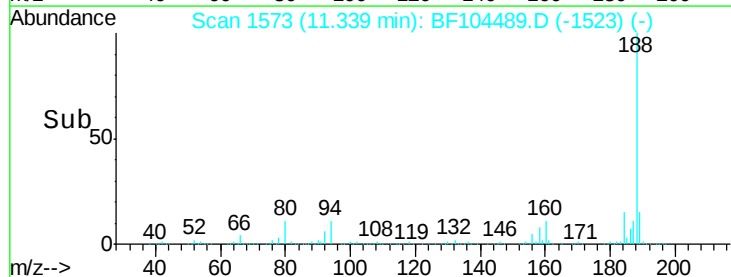
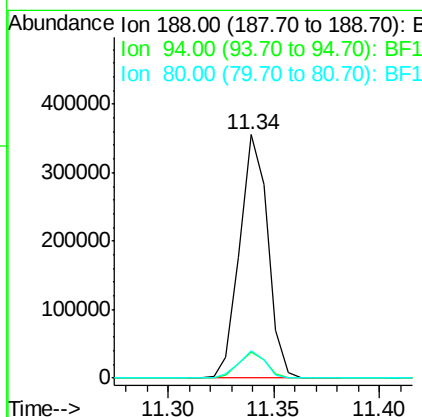
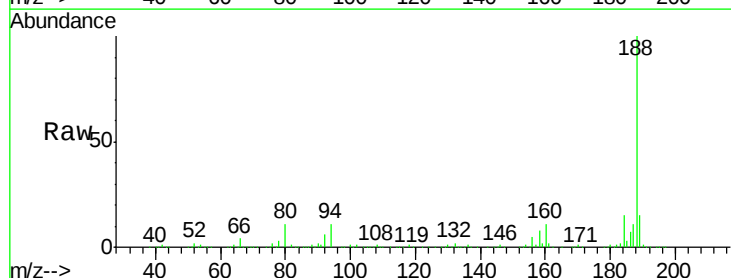
Manual Integrations
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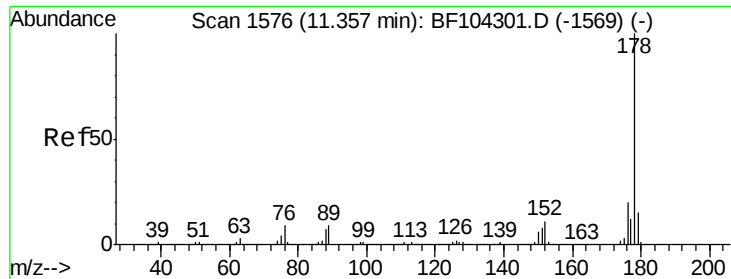
Sohil
 4/16/2018 3:10:24 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF104489.D
 Acq: 13 Apr 2018 20:01

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	327089		
94	10.8	8.5	12.7	
80	11.2	9.2	13.8	





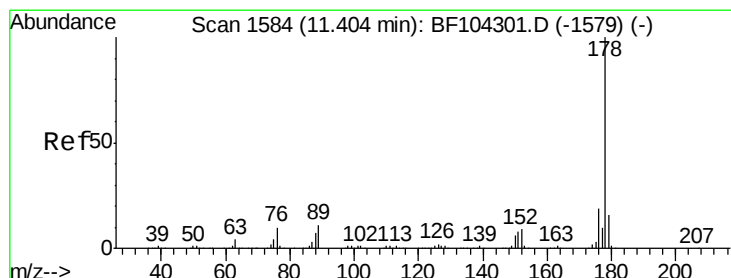
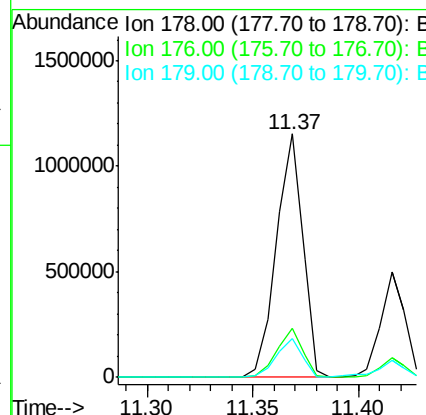
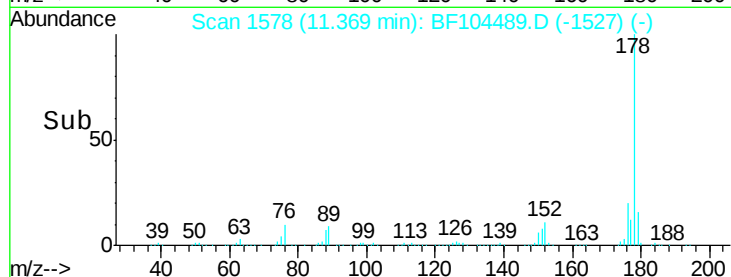
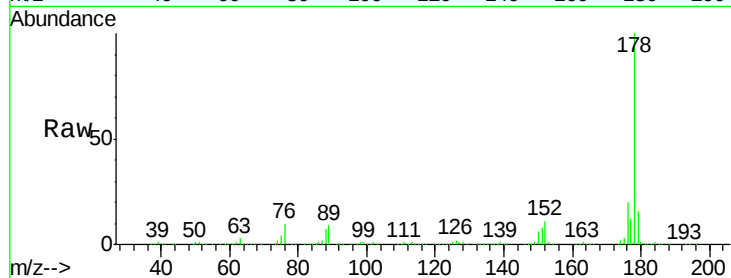
#70
Phenanthrene
Concen: 55.251 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Instrument :
BNA_F
ClientSampled :
155

Tot Ion:178 Resp: 1006415
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 15.7 13.0 19.6

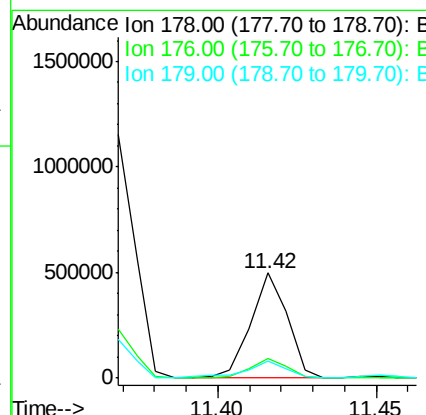
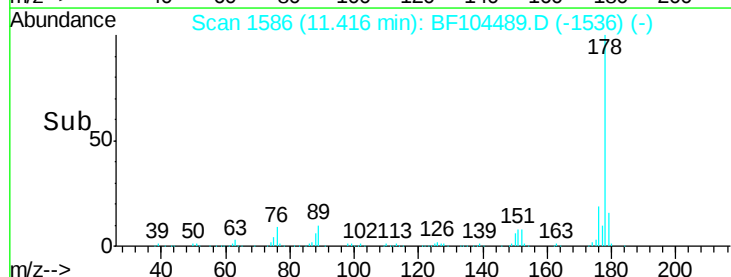
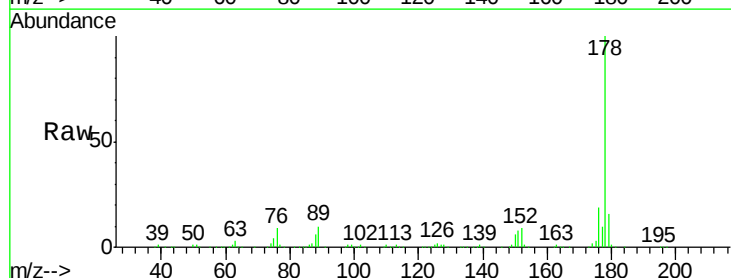
Manual Integrations
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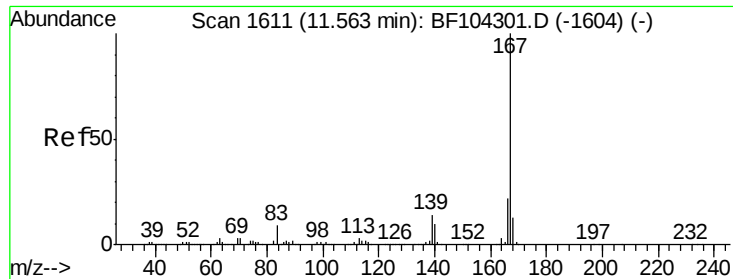
Sohil
4/16/2018 3:10:24 PM



#71
Anthracene
Concen: 21.419 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Tgt Ion:178 Resp: 396593
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 15.6 12.6 19.0





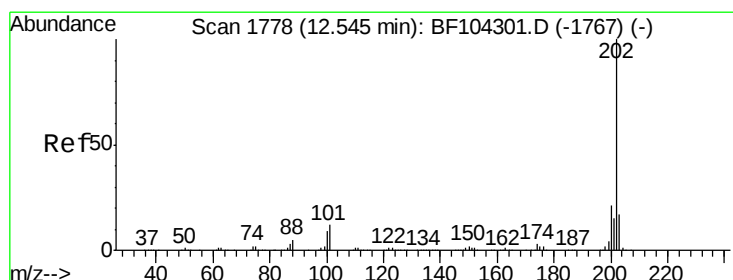
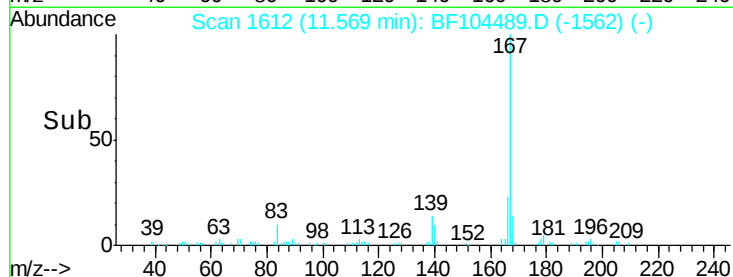
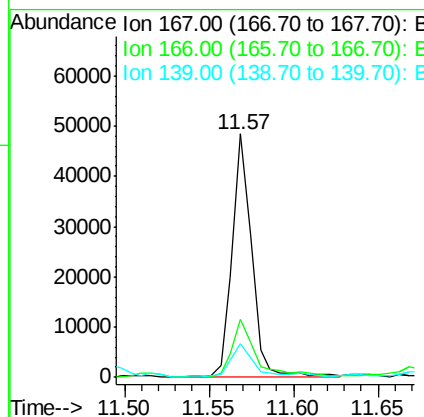
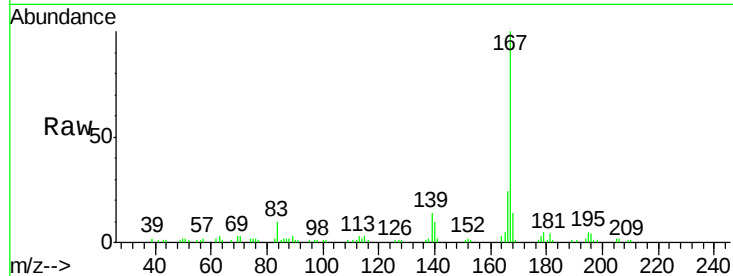
#72
 Carbazole
 Concen: 2.168 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. -0.01 min
 Lab File: BF104489.D
 Acq: 13 Apr 2018 20:01

Instrument :
 BNA_F
 ClientSampleId :
 155

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.8	17.6	26.4
139	13.7	10.9	16.3

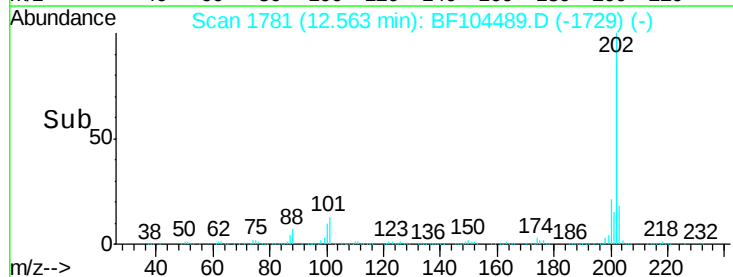
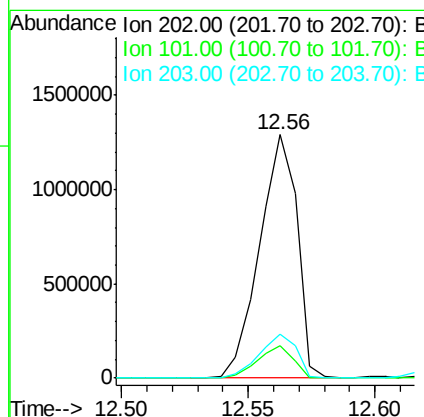
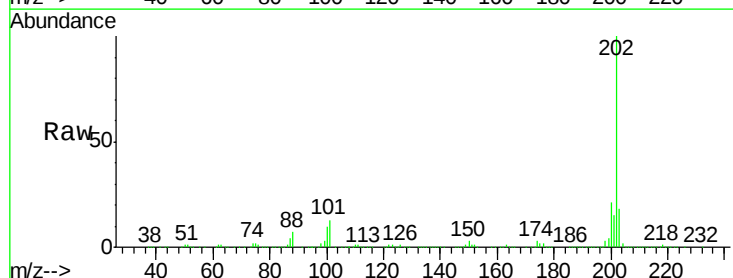
Manual Integrations
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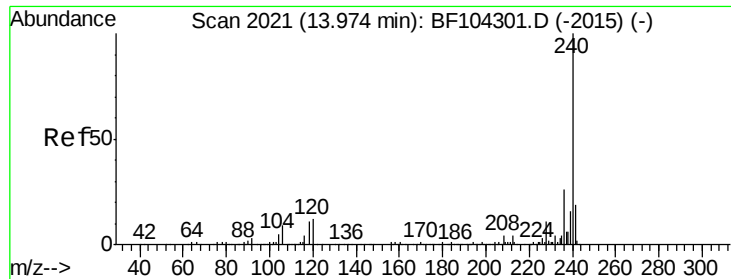
Sohil
 4/16/2018 3:10:24 PM



#74
 Fluoranthene
 Concen: 70.312 ng
 RT: 12.56 min Scan# 1781
 Delta R.T. 0.01 min
 Lab File: BF104489.D
 Acq: 13 Apr 2018 20:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	34.1
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BF104489.D

Acq: 13 Apr 2018 20:01

Instrument :

BNA_F

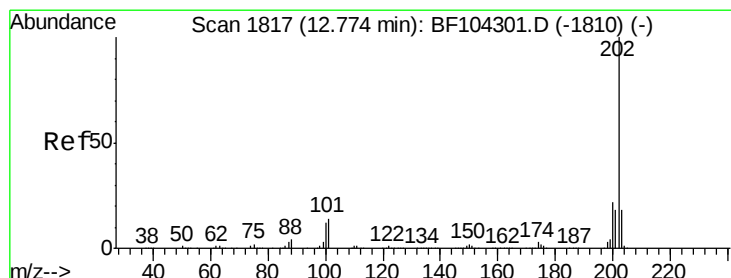
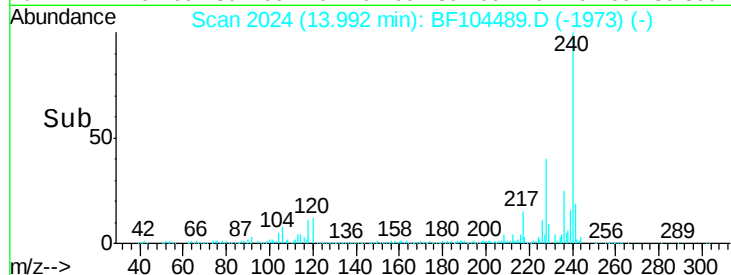
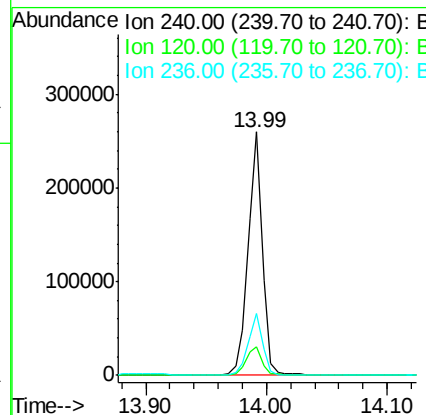
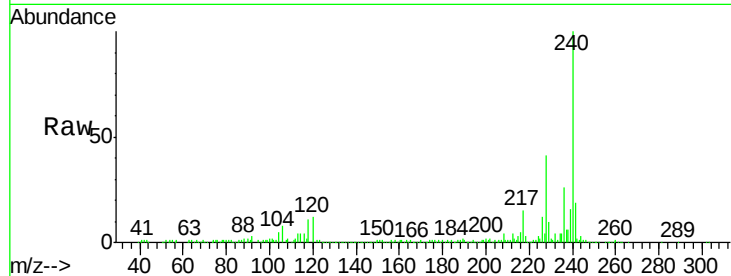
ClientSampleId :

155

Tot Ion:	240	Resp:	217235
Ion Ratio	Lower	Upper	
240	100		
120	11.7	9.5	14.3
236	25.5	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 70.703 ng

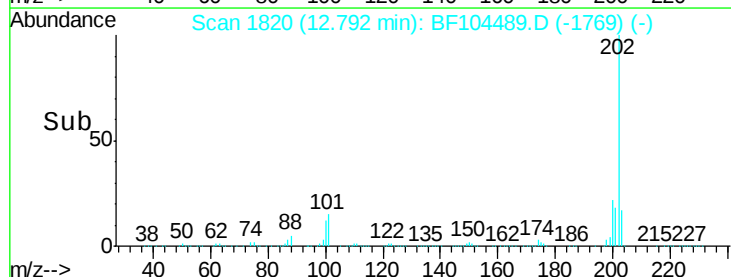
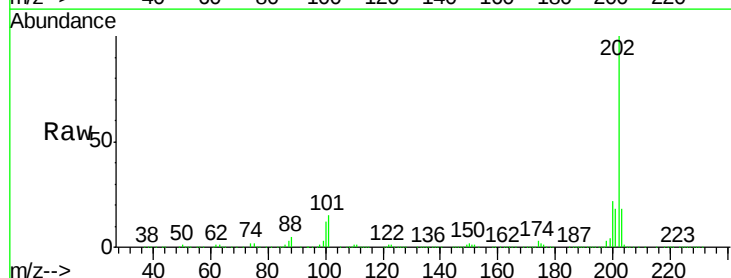
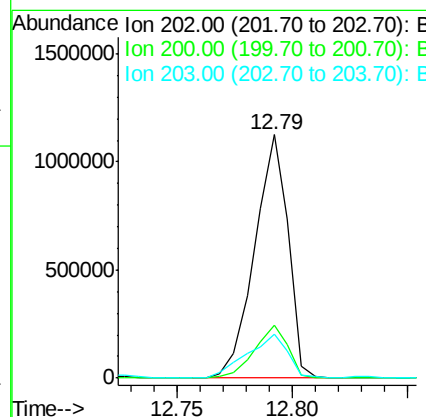
RT: 12.79 min Scan# 1820

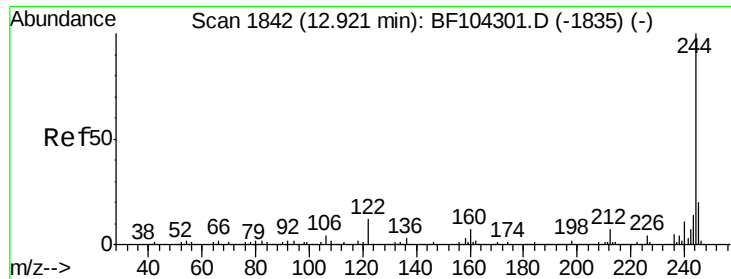
Delta R.T. -0.00 min

Lab File: BF104489.D

Acq: 13 Apr 2018 20:01

Tgt Ion:	202	Resp:	1138468
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.4	26.2
203	17.9	14.3	21.5





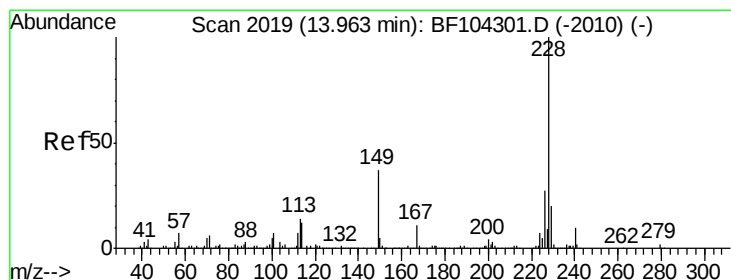
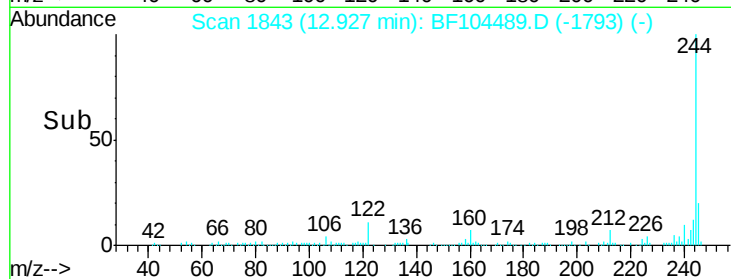
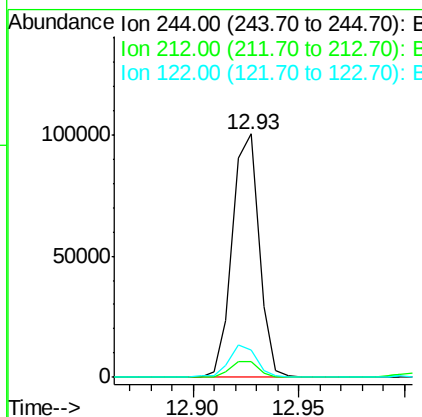
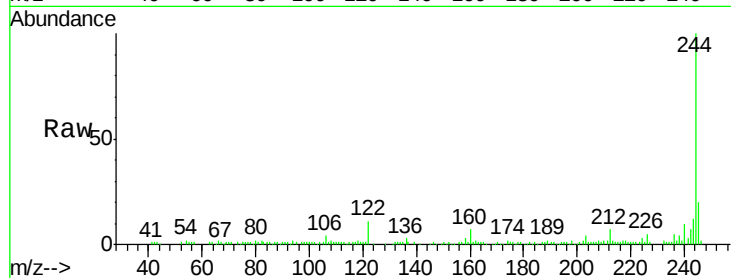
#78
 Terphenyl-d14
 Concen: 9.254 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF104489.D
 Acq: 13 Apr 2018 20:01

Instrument :
 BNA_F
 ClientSampled :
 155

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	11.0	11.0	16.4

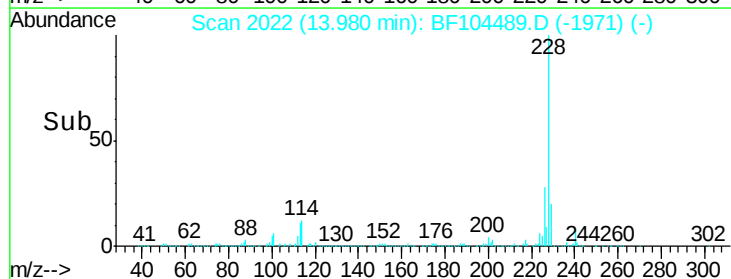
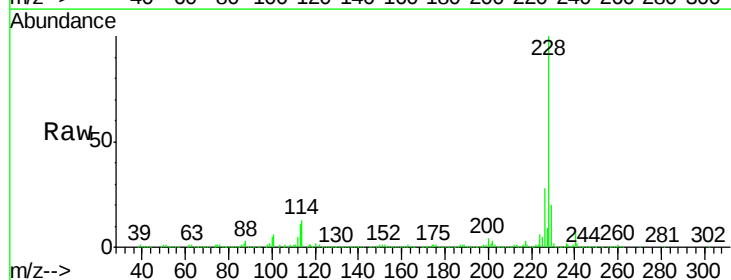
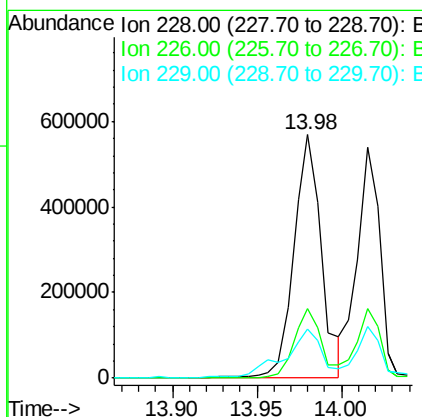
Manual Integrations
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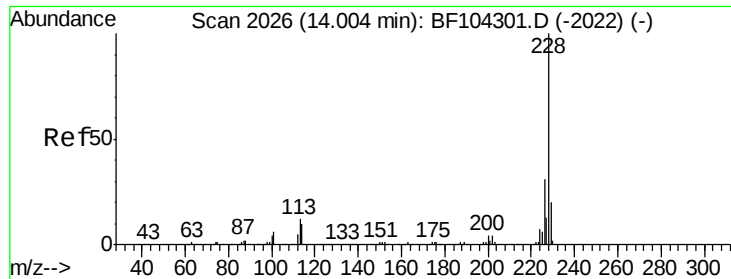
Sohil
 4/16/2018 3:10:24 PM



#80
 Benzo(a)anthracene
 Concen: 49.574 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.00 min
 Lab File: BF104489.D
 Acq: 13 Apr 2018 20:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	20.2	15.8	23.6





#82

Chrysene

Concen: 37.819 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF104489.D

Acq: 13 Apr 2018 20:01

Instrument :

BNA_F

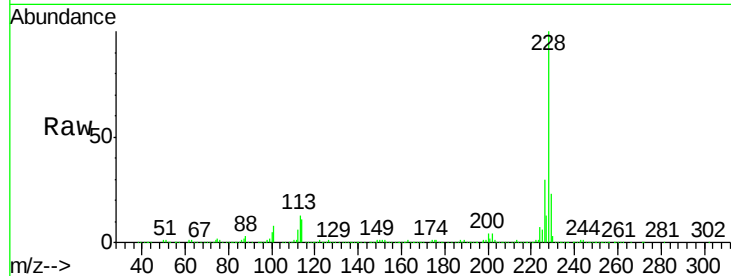
ClientSampled :

155

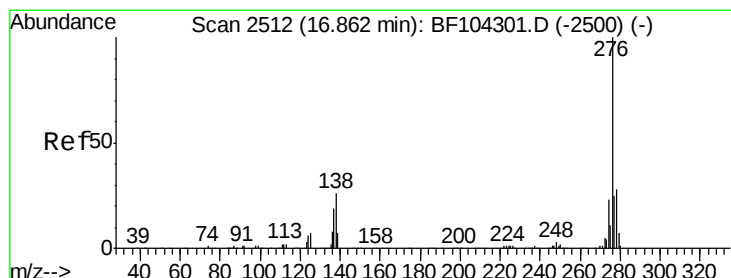
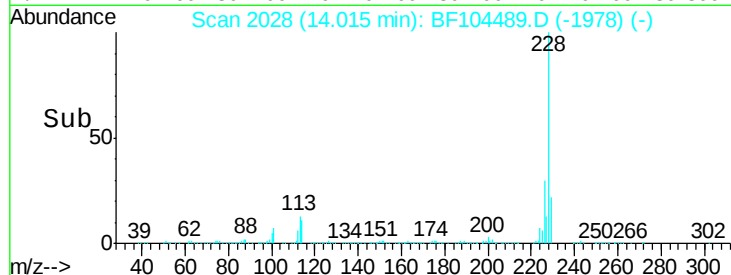
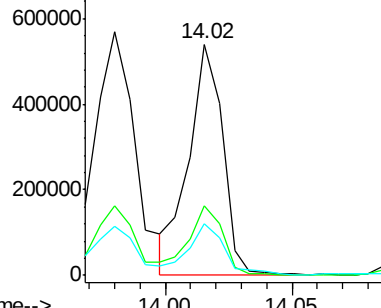
Tot Ion:	228	Resp:	504134
Ion Ratio	Lower	Upper	
228	100		
226	30.1	25.0	37.6
229	22.6	16.2	24.4

Manual Integrations
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 20.498 ng m

RT: 16.92 min Scan# 2521

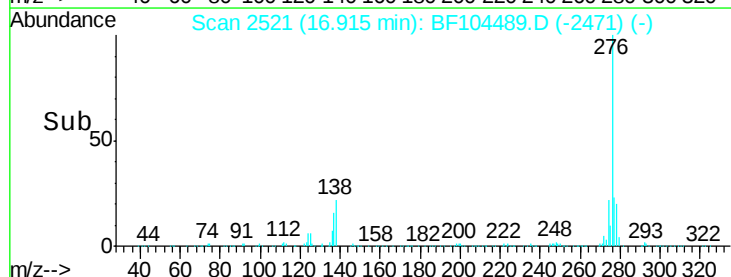
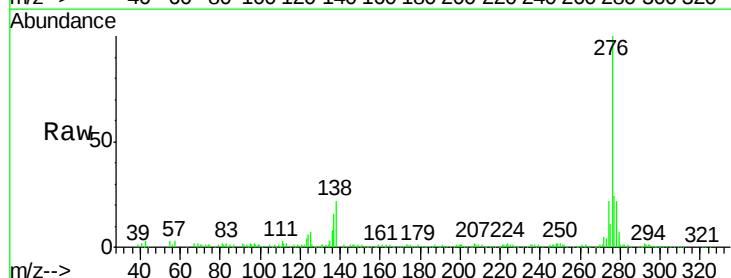
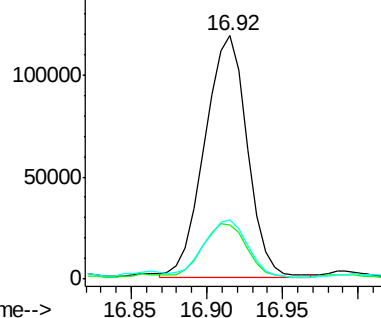
Delta R.T. -0.01 min

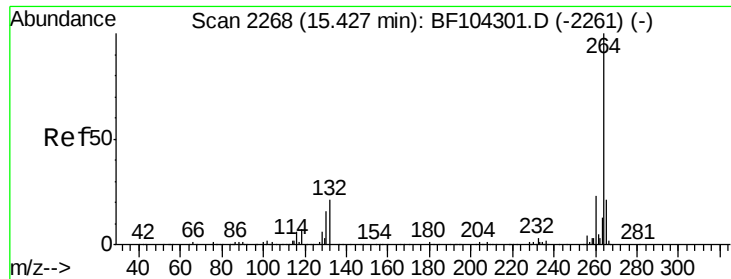
Lab File: BF104489.D

Acq: 13 Apr 2018 20:01

Tgt Ion:	276	Resp:	232112
Ion Ratio	Lower	Upper	
276	100		
138	4.6	25.0	37.6#
277	5.0	20.1	30.1#

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





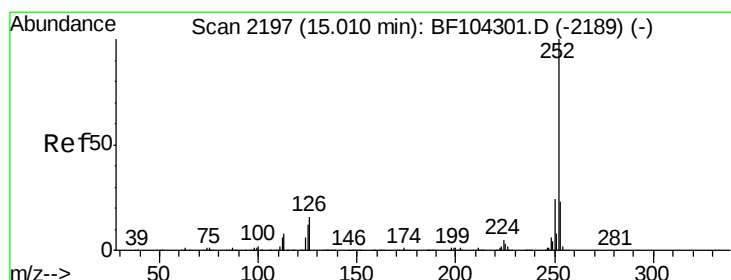
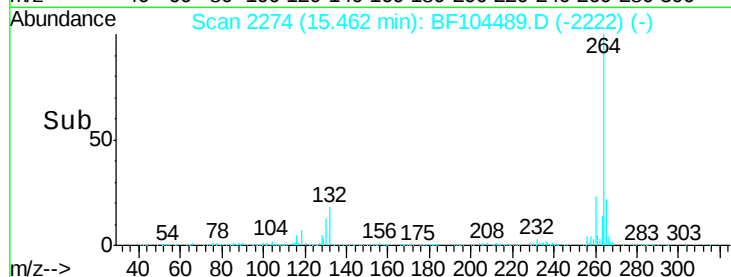
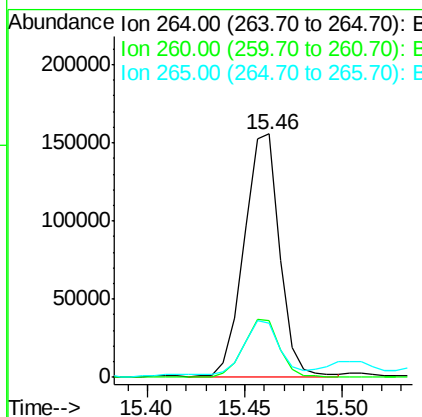
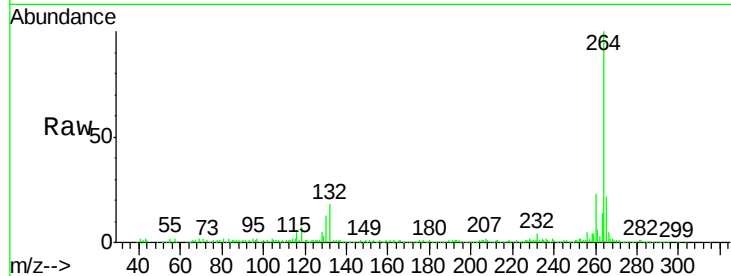
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Instrument :
BNA_F
ClientSampleId :
155

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.1	17.5	26.3

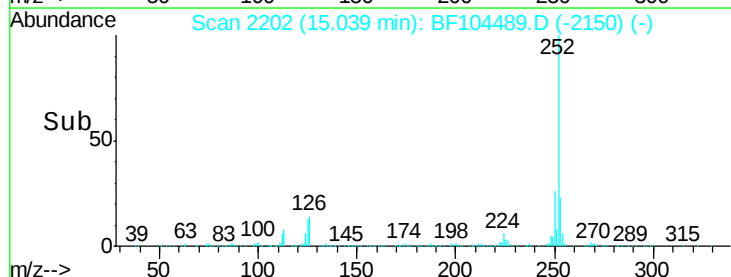
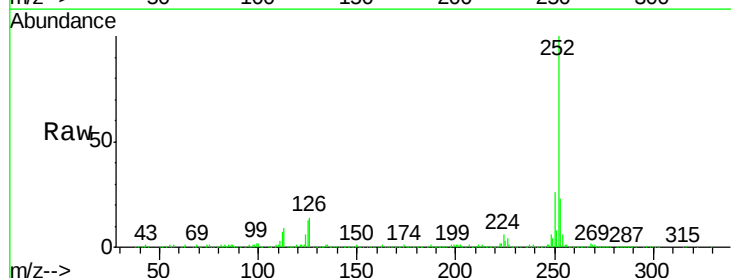
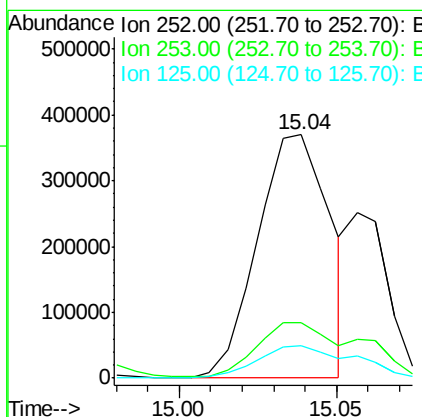
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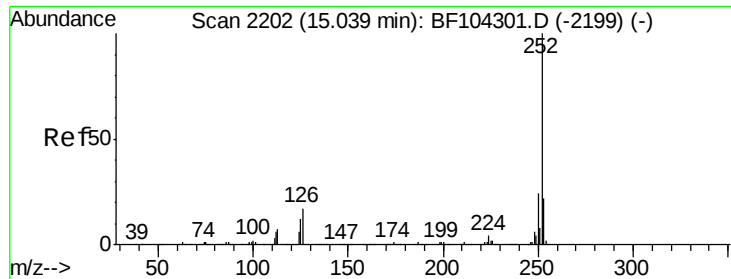
Sohil
4/16/2018 3:10:24 PM



#87
Benzo(b)fluoranthene
Concen: 48.060 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.6
125	13.1	9.0	13.6





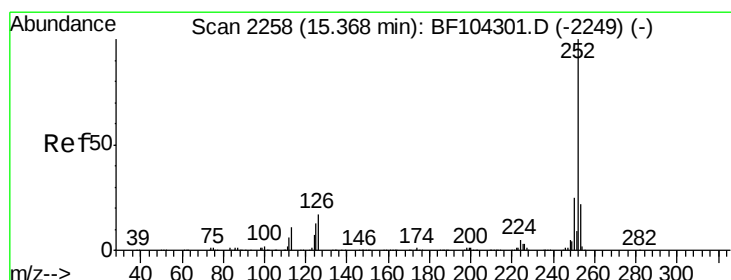
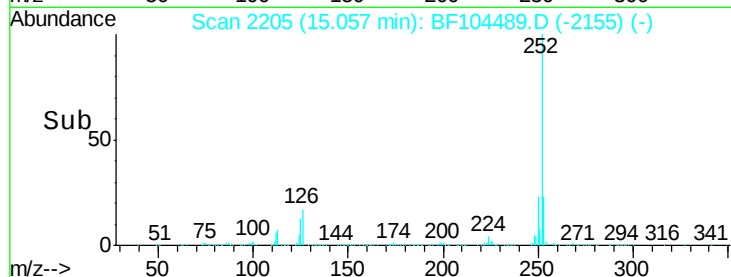
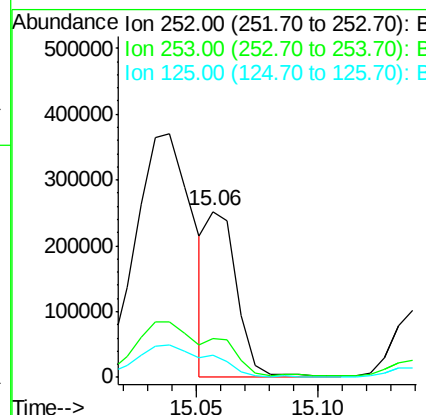
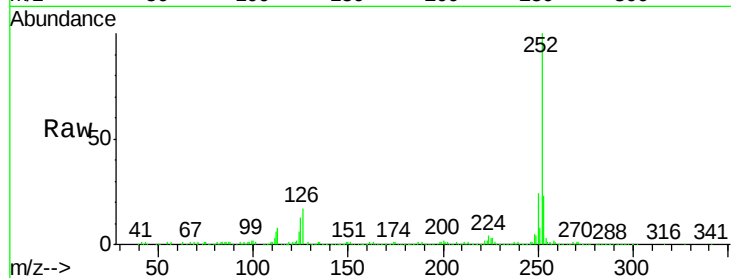
#88
Benzo(k)fluoranthene
Concen: 18.512 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Instrument :
BNA_F
ClientSampled :
155

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	13.0	10.2	15.2

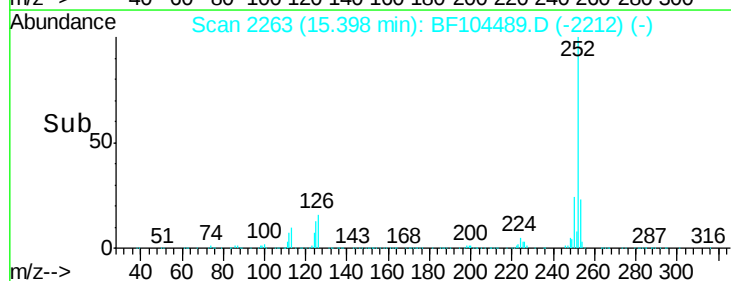
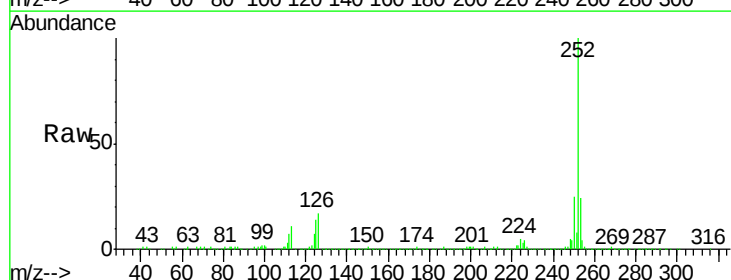
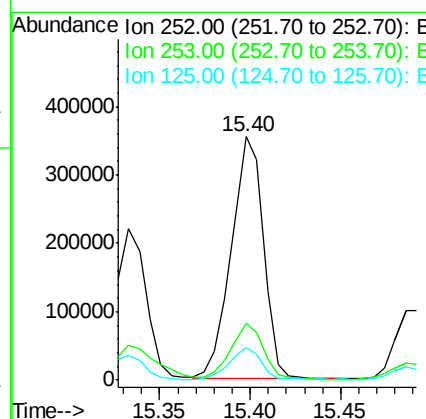
Manual Integrations
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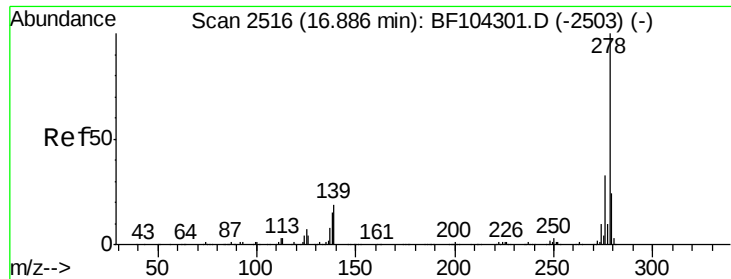
Sohil
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#89
Benzo(a)pyrene
Concen: 39.778 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.00 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	13.6	9.8	14.6





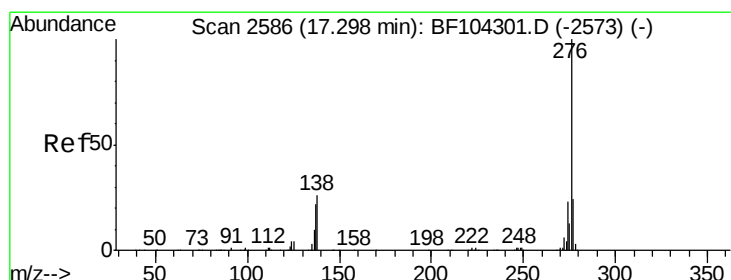
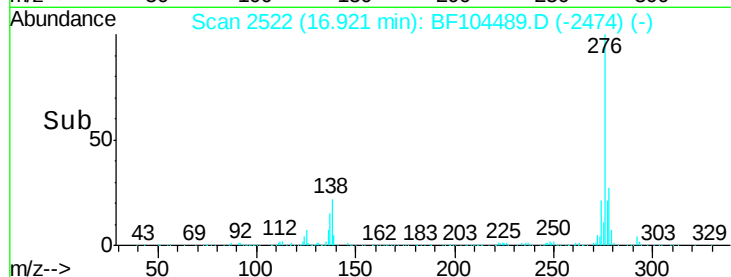
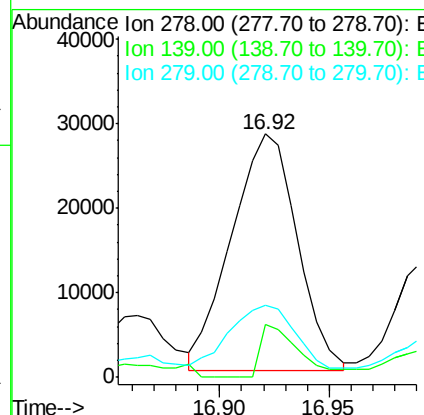
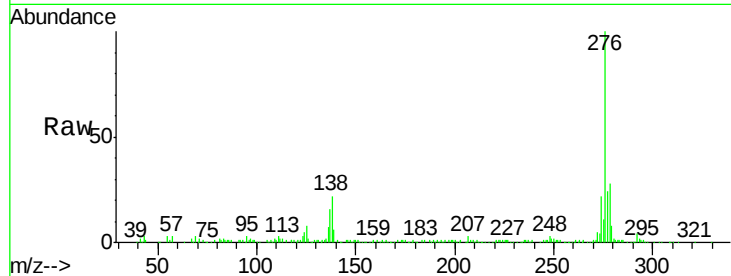
#90
Dibenzo(a,h)anthracene
Concen: 6.479 ng m
RT: 16.92 min Scan# 2522
Delta R.T. -0.02 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Instrument :
BNA_F
ClientSampleId :
155

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.5	15.9	23.9
279	29.4	19.0	28.4

Manual Integrations
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4/16/2018 3:10:24 PM



#91
Benzo(g,h,i)perylene
Concen: 21.575 ng
RT: 17.36 min Scan# 2596
Delta R.T. -0.01 min
Lab File: BF104489.D
Acq: 13 Apr 2018 20:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.9	26.9
138	23.8	21.8	32.8

