

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
 Data File : BF104458.D
 Acq On : 12 Apr 2018 18:29
 Operator : JU/SJ
 Sample : J2335-03 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S2

Manual Integrations
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 4/13/2018 4:44:16 PM

Quant Time: Apr 13 00:49:05 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 12 17:07:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	132807	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	516802	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	205745	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	285878	20.00	ng	0.01
75) Chrysene-d12	14.00	240	215868	20.00	ng	0.01
86) Perylene-d12	15.47	264	193644	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	413976	47.66	ng	0.00
7) Phenol-d6	6.43	99	497317	46.60	ng	-0.01
23) Nitrobenzene-d5	7.37	82	292434	36.95	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	85137	39.89	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	485439	37.27	ng	0.00
78) Terphenyl-d14	12.93	244	336445	35.53	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.12	128	322367	12.527	ng	99
37) 2-Methylnaphthalene	8.80	142	190601	11.450	ng	98
45) 1,1'-Biphenyl	9.27	154	82295	4.761	ng	97
48) Acenaphthylene	9.71	152	422490	19.724	ng	100
51) Acenaphthene	9.88	154	69399	5.310	ng	99
54) Dibenzofuran	10.06	168	579063	31.794	ng	98
57) Fluorene	10.40	166	761794	57.465	ng	99
70) Phenanthrene	11.39	178	2837161	178.210	ng	99
71) Anthracene	11.43	178	539914	33.363	ng	100
72) Carbazole	11.58	167	570252	36.060	ng	99
74) Fluoranthene	12.59	202	2534996	152.401	ng	98
77) Pylene	12.81	202	2042724	127.663	ng	98
80) Benzo(a)anthracene	13.99	228	938611	72.782	ng	94
82) Chrysene	14.03	228	996157m	75.202	ng	
85) Indeno(1,2,3-cd)pyrene	16.93	276	394302m	35.041	ng	
87) Benzo(b)fluoranthene	15.05	252	1005901m	82.247	ng	
88) Benzo(k)fluoranthene	15.07	252	366628m	31.753	ng	
89) Benzo(a)pyrene	15.41	252	645571	58.994	ng	95
90) Dibenzo(a,h)anthracene	16.94	278	100532m	11.186	ng	
91) Benzo(a,h,i)perylene	17.37	276	324404	37.256	ng	96

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

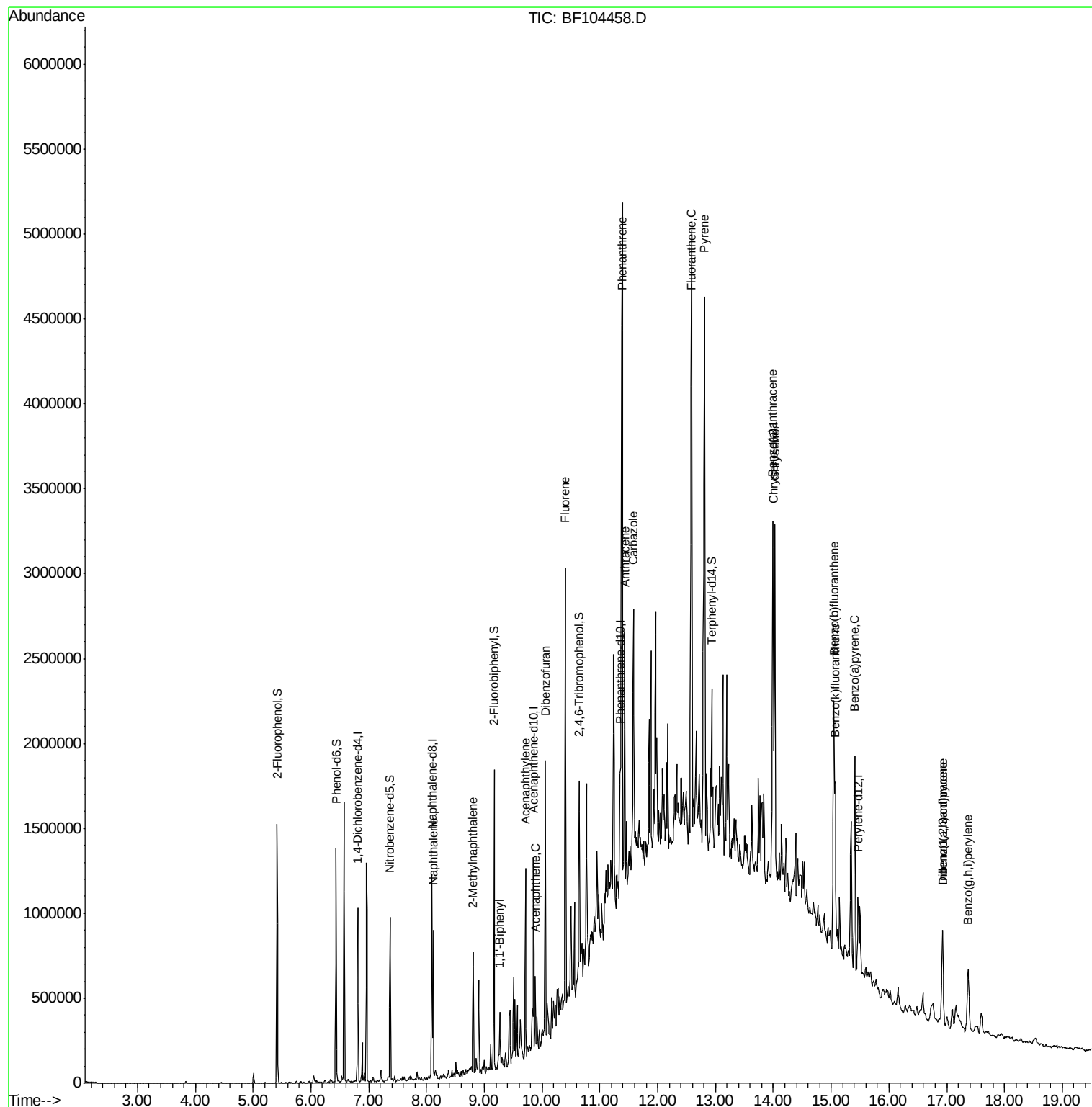
Data Path : Z:\HPCHEM1\BNA F\DATA\BF041218\
Data File : BF104458.D
Acq On : 12 Apr 2018 18:29
Operator : JU/SJ
Sample : J2335-03 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

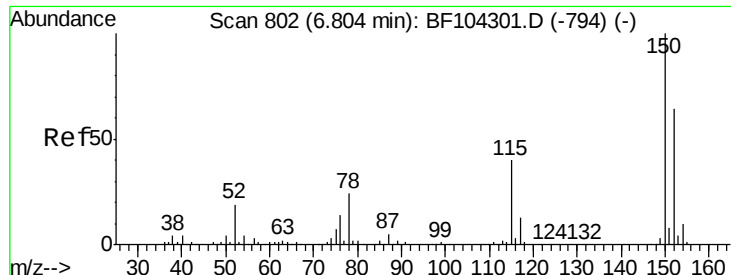
Instrument :
BNA_F
ClientSampled :
S2

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

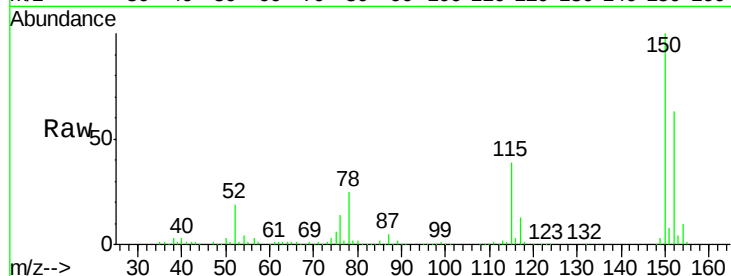
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF104458.D
Acq: 12 Apr 2018 18:29

Instrument :
BNA_F
ClientSampled :
S2

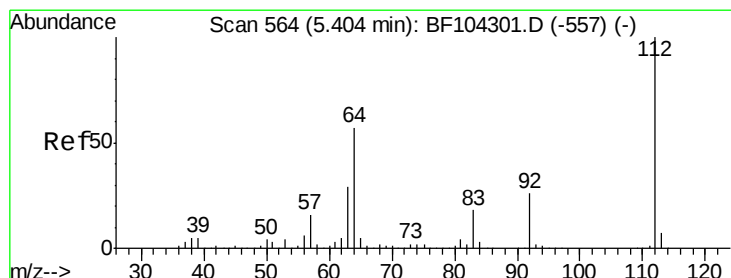
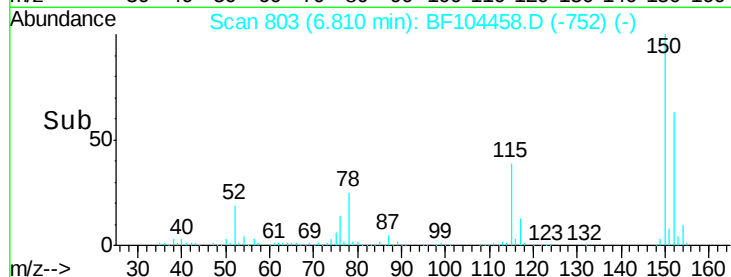
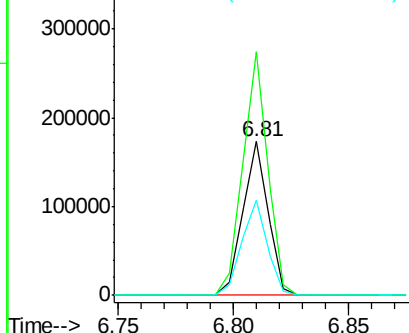
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.6	186.8
115	61.5	50.1	75.1

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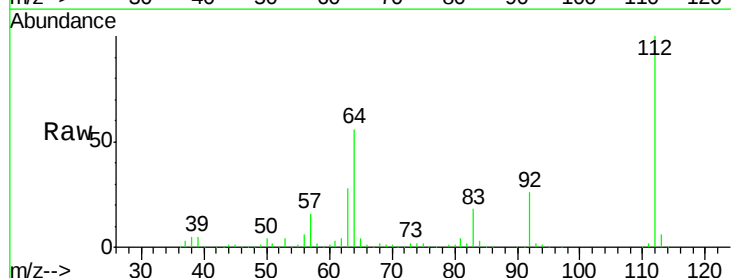
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



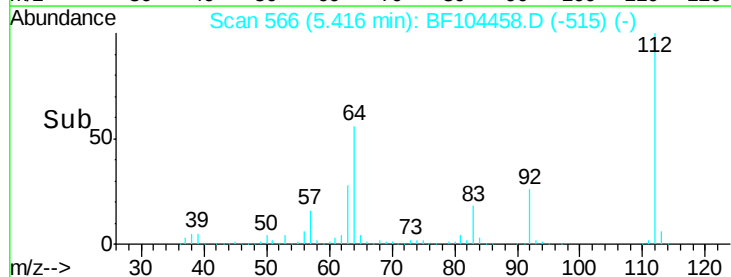
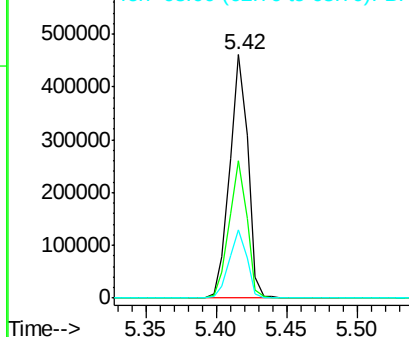
#5

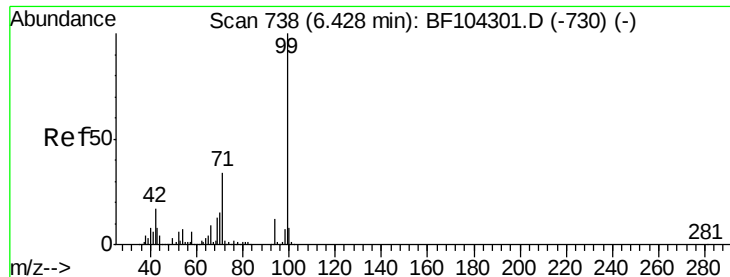
2-Fluorophenol
Concen: 47.663 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104458.D
Acq: 12 Apr 2018 18:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	47.9	71.9
63	28.2	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 46.601 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104458.D

Acq: 12 Apr 2018 18:29

Instrument :

BNA_F

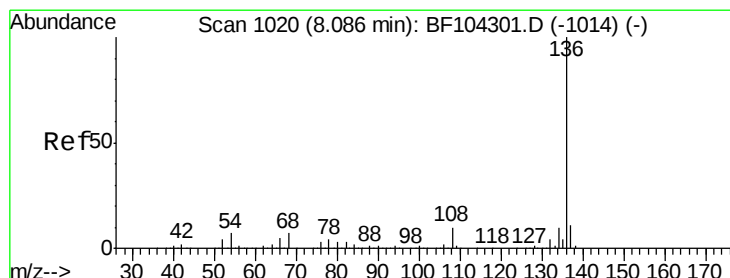
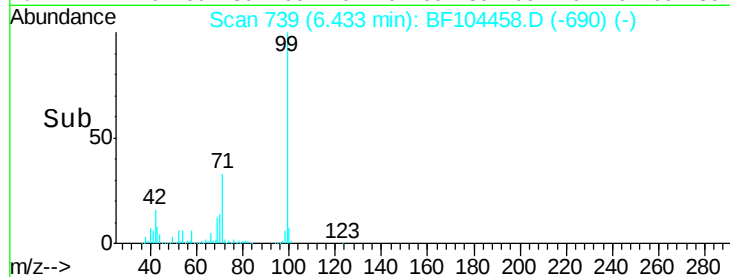
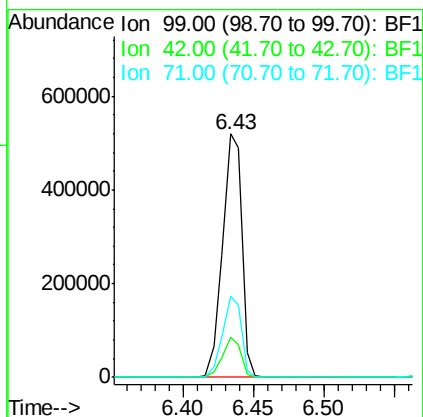
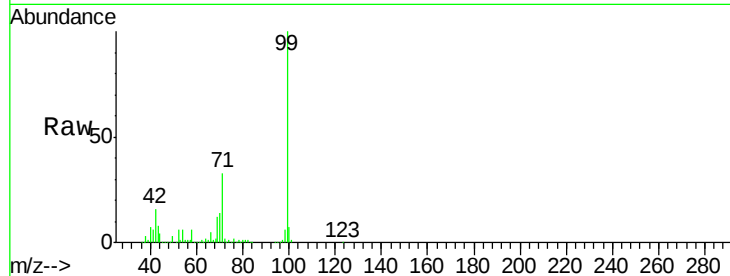
ClientSampled :

S2

Tot Ion:	99	Resp:	497317
Ion Ratio	Lower	Upper	
99	100		
42	16.5	14.5	21.7
71	33.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

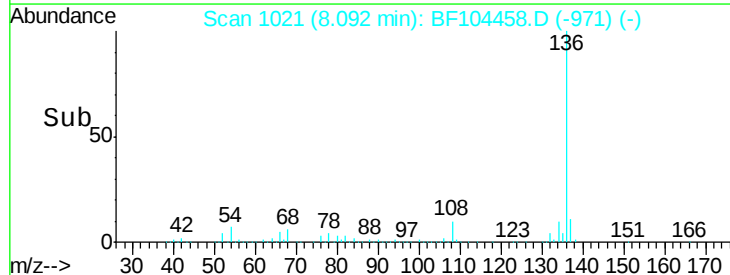
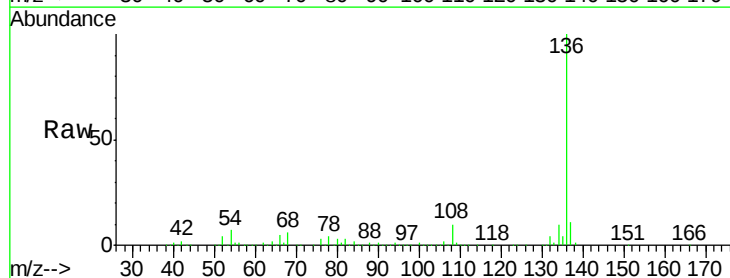
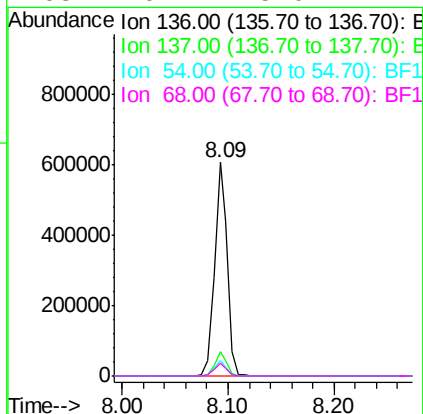
RT: 8.09 min Scan# 1021

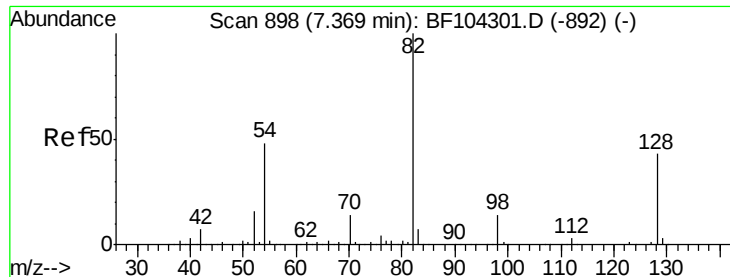
Delta R.T. -0.01 min

Lab File: BF104458.D

Acq: 12 Apr 2018 18:29

Tgt Ion:	136	Resp:	516802
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	7.1	6.6	9.8
68	6.2	5.0	7.4





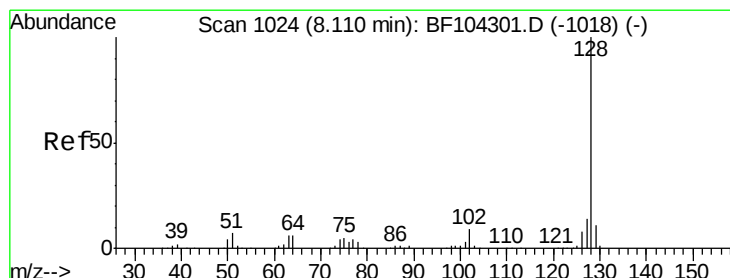
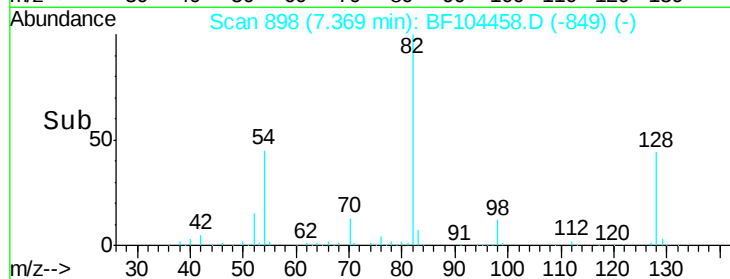
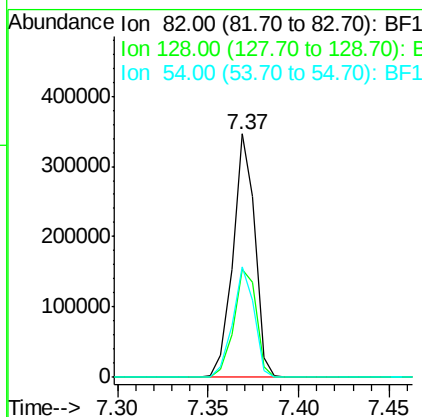
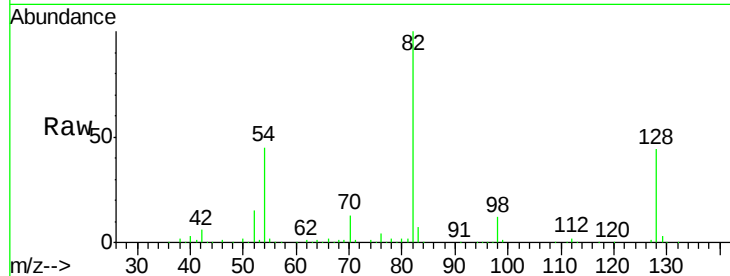
#23
Nitrobenzene-d5
Concen: 36.949 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104458.D
Acq: 12 Apr 2018 18:29

Instrument :
BNA_F
ClientSampled :
S2

Tot Ion	Ratio	Resp	Lower	Upper
82	100	292434		
128	44.2	36.1	54.1	
54	45.4	41.4	62.2	

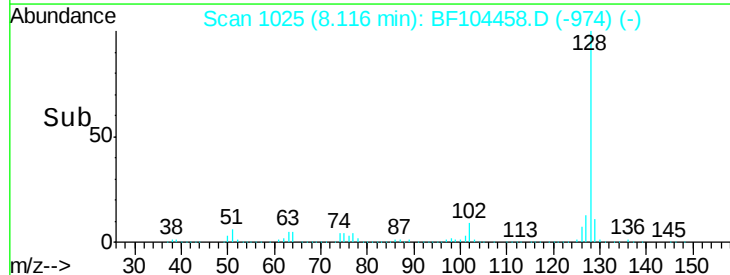
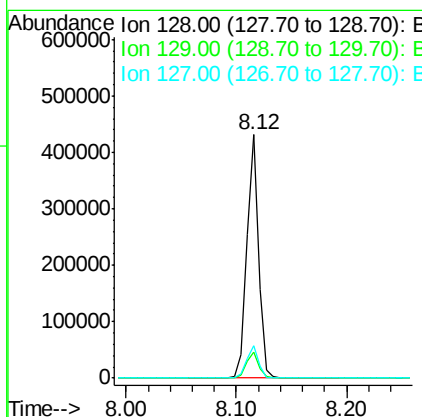
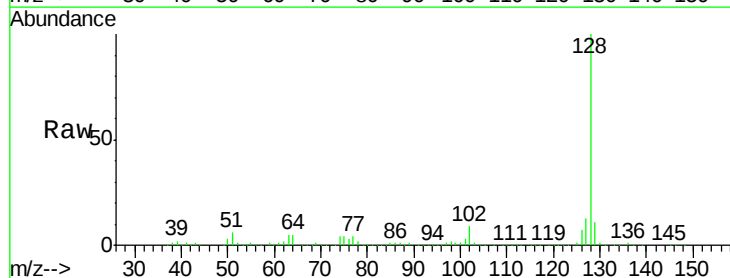
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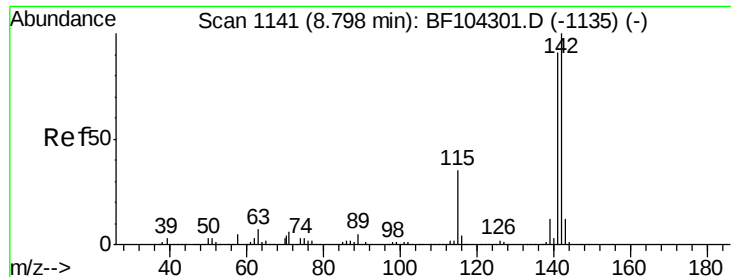
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#31
Naphthalene
Concen: 12.527 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BF104458.D
Acq: 12 Apr 2018 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	322367		
129	10.7	8.8	13.2	
127	13.3	10.9	16.3	





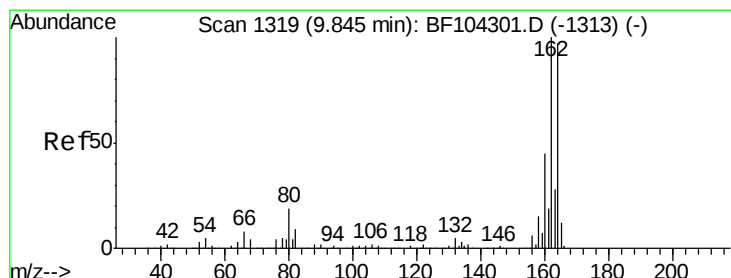
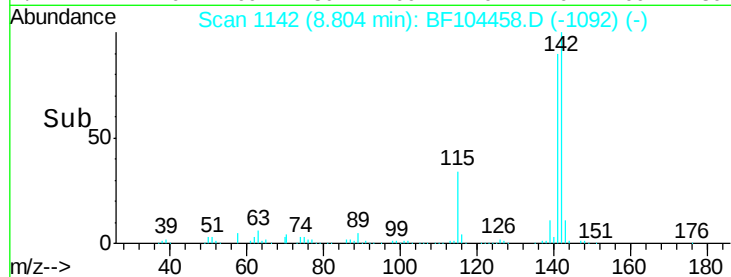
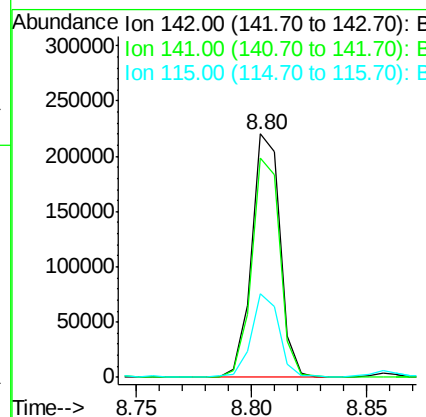
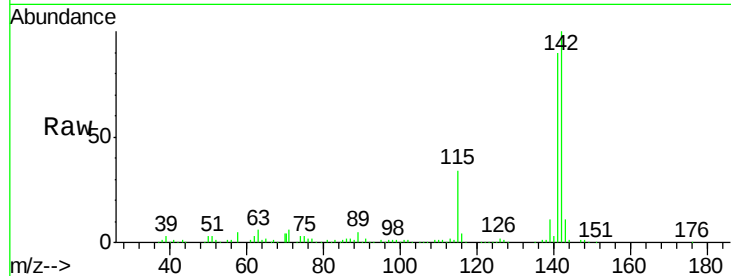
#37
2-Methylnaphthalene
Concen: 11.450 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF104458.D
Acq: 12 Apr 2018 18:29

Instrument :
BNA_F
ClientSampled :
S2

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.8	106.2
115	34.1	26.1	39.1

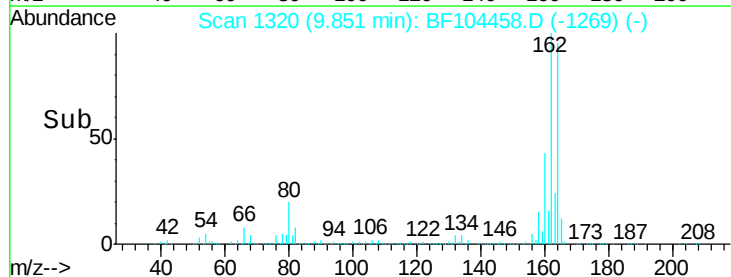
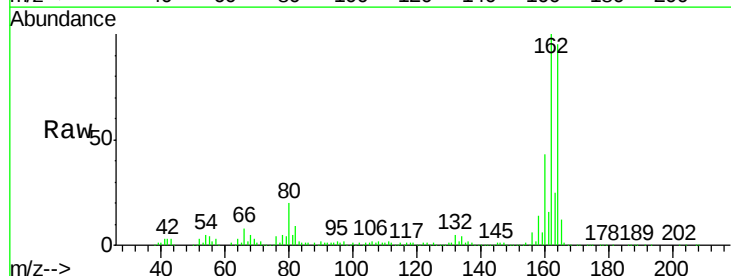
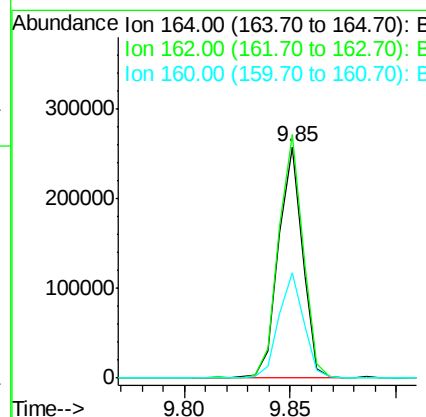
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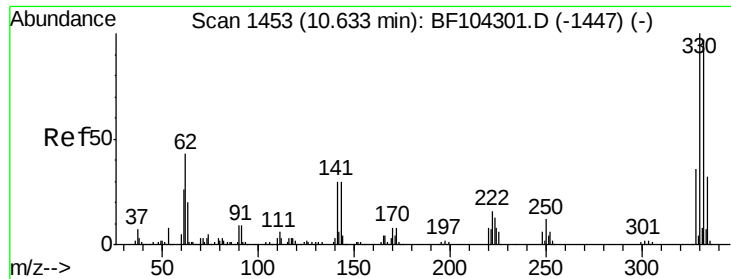
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.00 min
Lab File: BF104458.D
Acq: 12 Apr 2018 18:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.2	86.1	129.1
160	45.5	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 39.891 ng

RT: 10.64 min Scan# 1455

Delta R.T. -0.00 min

Lab File: BF104458.D

Acq: 12 Apr 2018 18:29

Instrument :

BNA_F

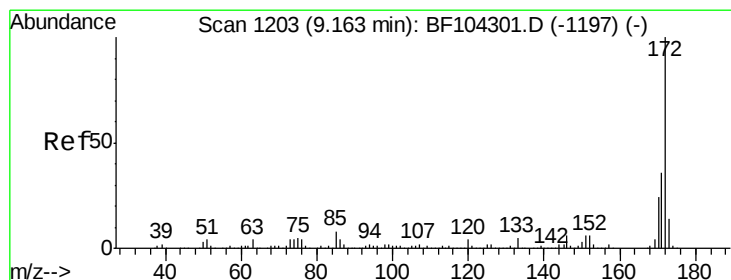
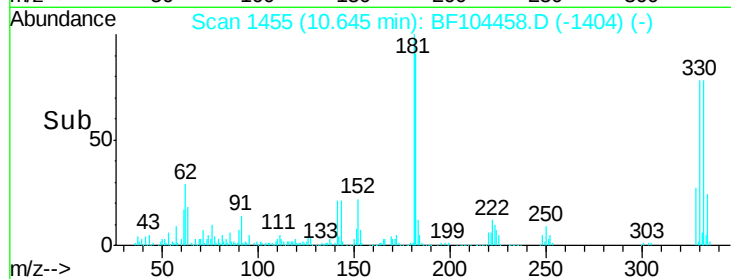
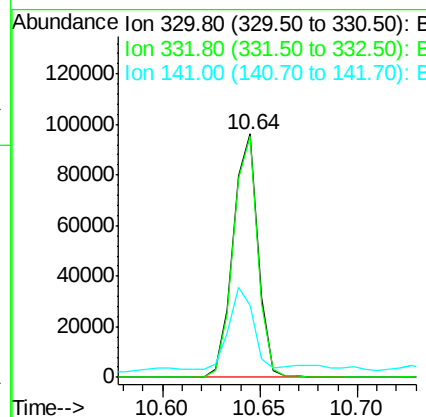
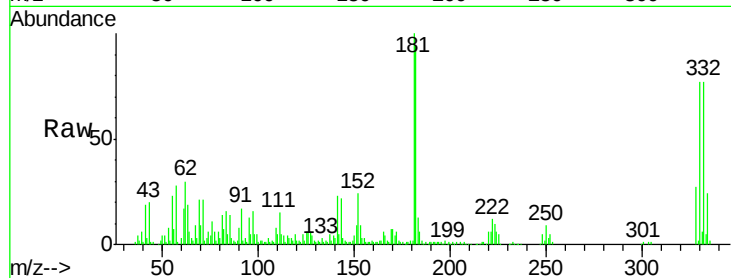
ClientSampleId :

S2

Tot Ion:	330	Resp:	85137
Ion Ratio	Lower	Upper	
330	100		
332	97.5	77.0	115.6
141	33.5	29.9	44.9

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#44

2-Fluorobiphenyl

Concen: 37.273 ng

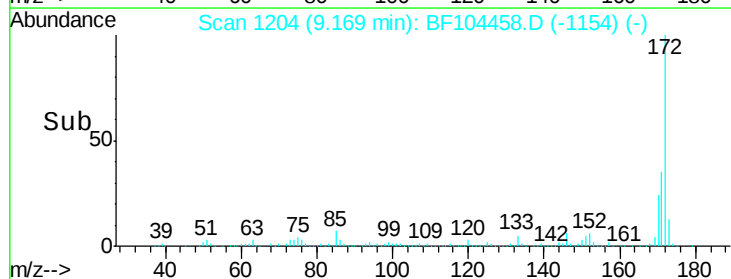
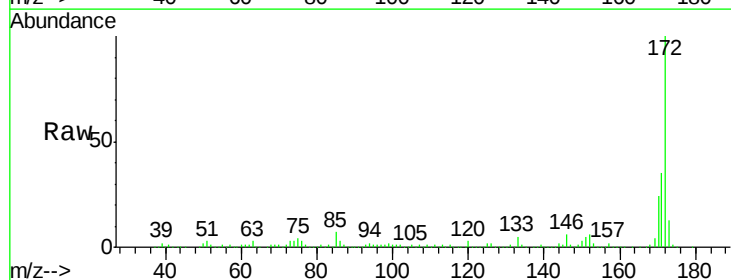
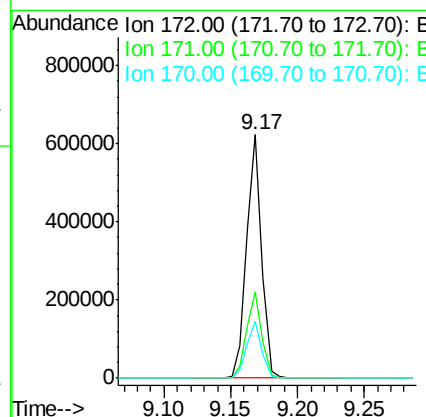
RT: 9.17 min Scan# 1204

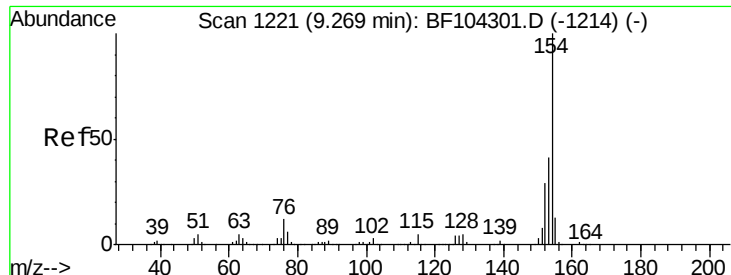
Delta R.T. -0.01 min

Lab File: BF104458.D

Acq: 12 Apr 2018 18:29

Tgt Ion:	172	Resp:	485439
Ion Ratio	Lower	Upper	
172	100		
171	35.4	29.7	44.5
170	23.5	19.6	29.4





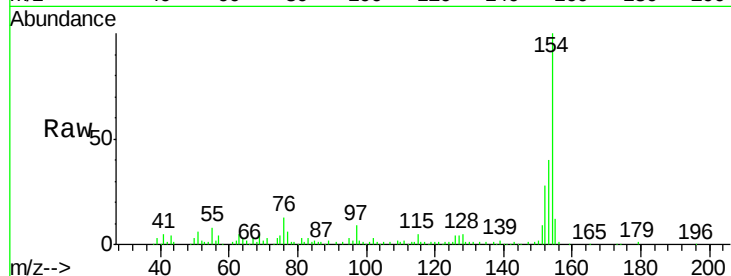
#45
 1,1'-Biphenyl
 Concen: 4.761 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF104458.D
 Acq: 12 Apr 2018 18:29

Instrument :
 BNA_F
 ClientSampled :
 S2

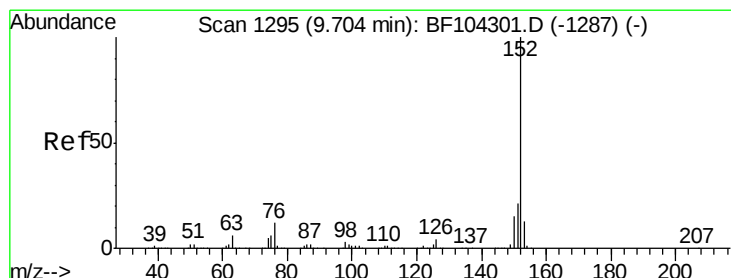
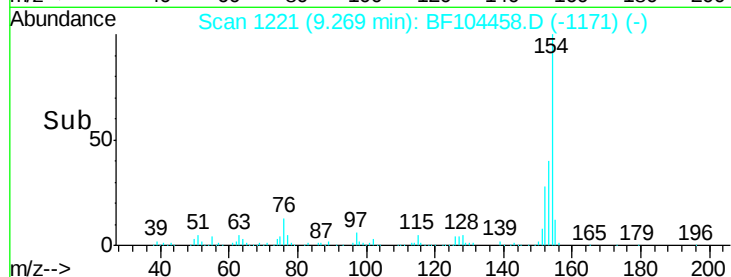
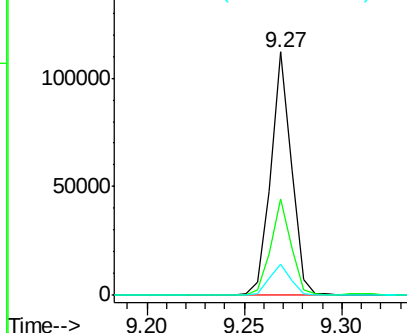
Tot Ion:	154	Resp:	82295
Ion Ratio	Lower	Upper	
154	100		
153	39.6	21.3	61.3
76	12.7	0.0	34.0

Manual Integrations
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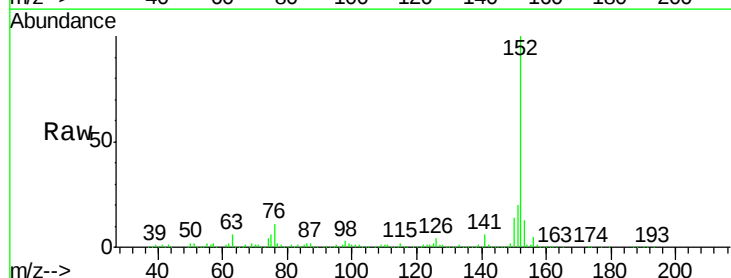


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

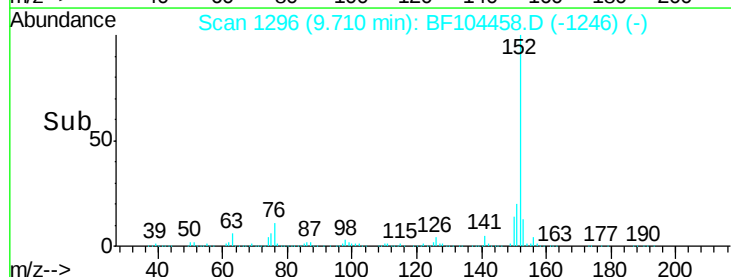
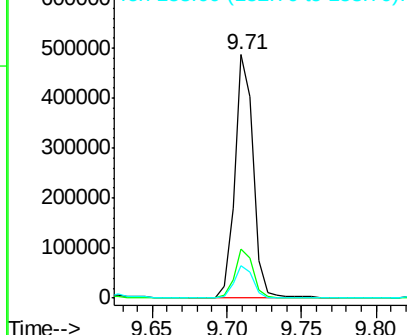


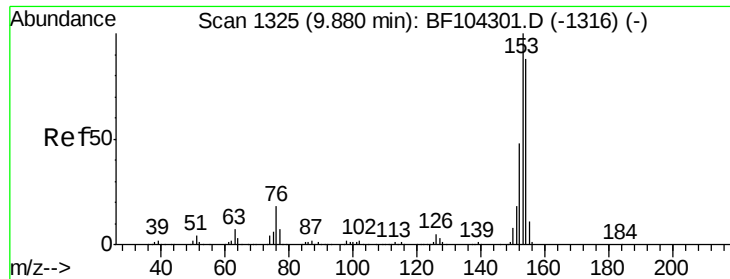
#48
 Acenaphthylene
 Concen: 19.724 ng
 RT: 9.71 min Scan# 1296
 Delta R.T. -0.01 min
 Lab File: BF104458.D
 Acq: 12 Apr 2018 18:29

Tgt Ion:	152	Resp:	422490
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.3	24.5
153	13.5	10.7	16.1



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#51

Acenaphthene

Concen: 5.310 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF104458.D

Acq: 12 Apr 2018 18:29

Instrument :

BNA_F

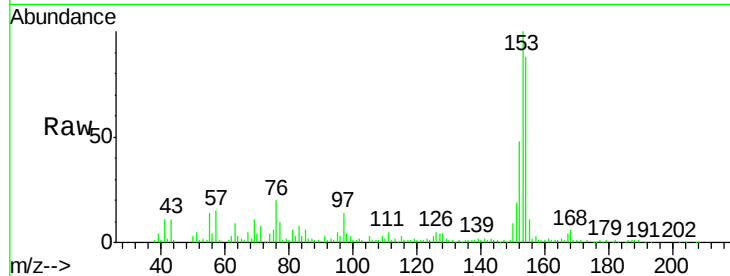
ClientSampled :

S2

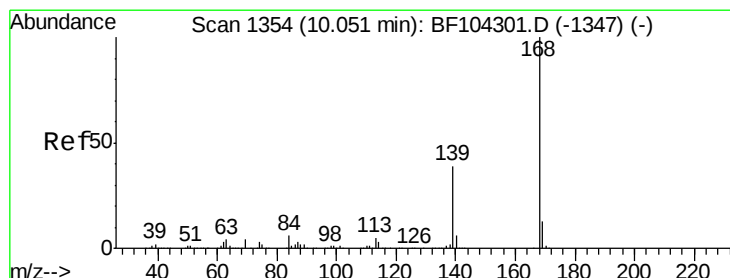
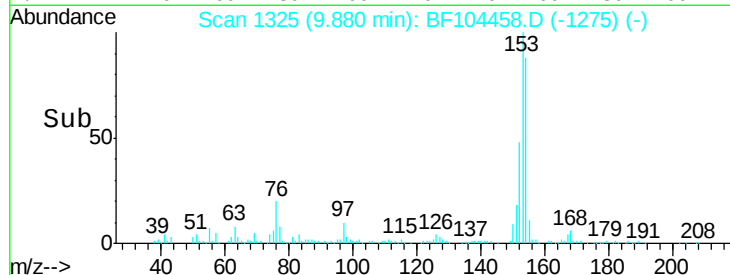
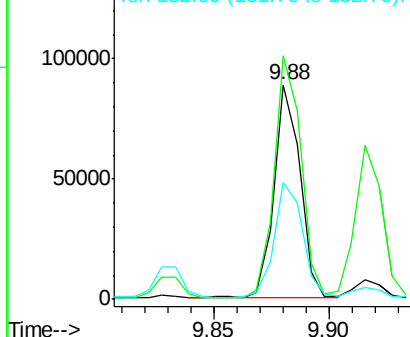
Tot Ion:	154	Resp:	69399
Ion Ratio	Lower	Upper	
154	100		
153	113.5	91.2	136.8
152	54.3	43.8	65.8

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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: 31.794 ng

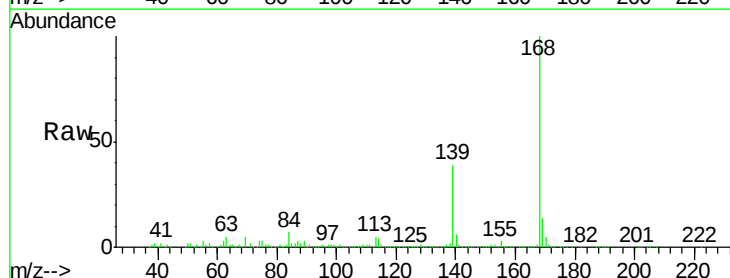
RT: 10.06 min Scan# 1355

Delta R.T. -0.00 min

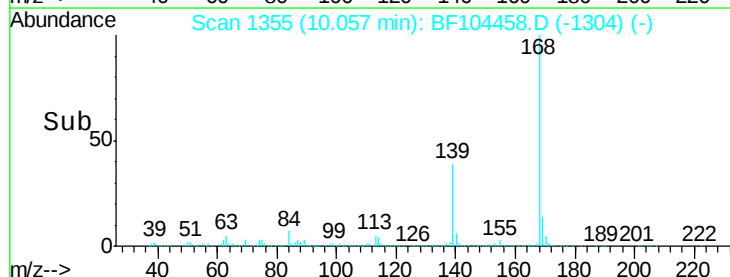
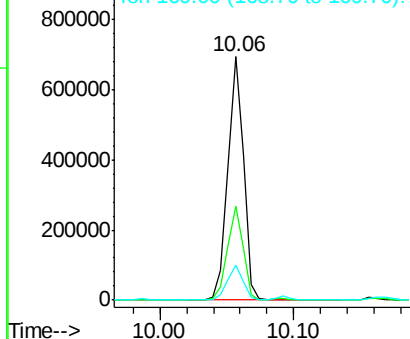
Lab File: BF104458.D

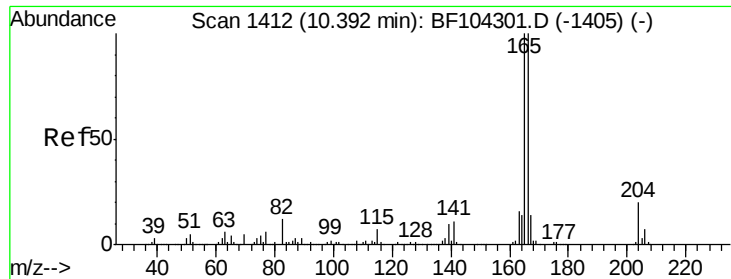
Acq: 12 Apr 2018 18:29

Tgt Ion:	168	Resp:	579063
Ion Ratio	Lower	Upper	
168	100		
139	38.7	30.1	45.1
169	14.3	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





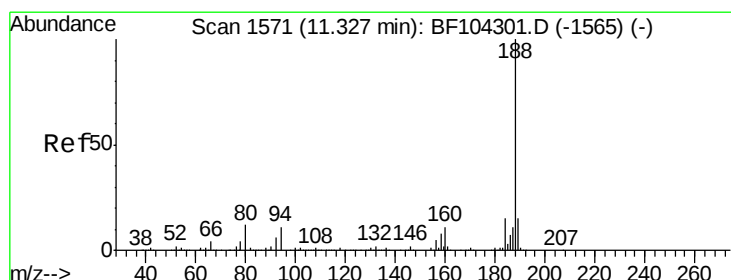
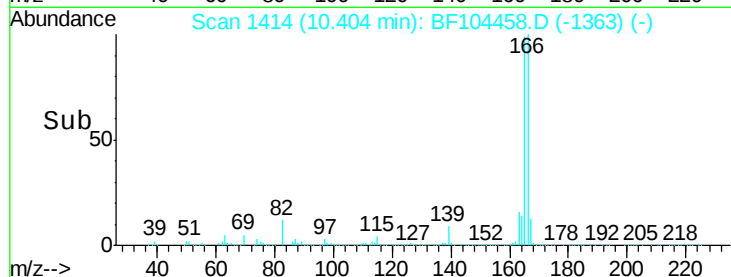
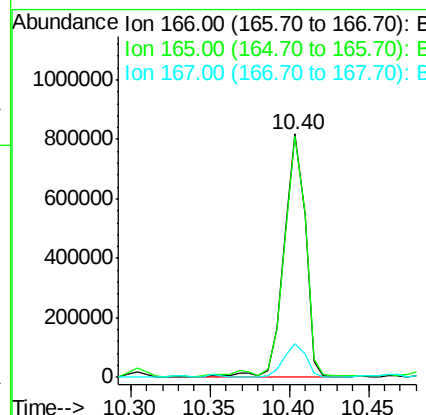
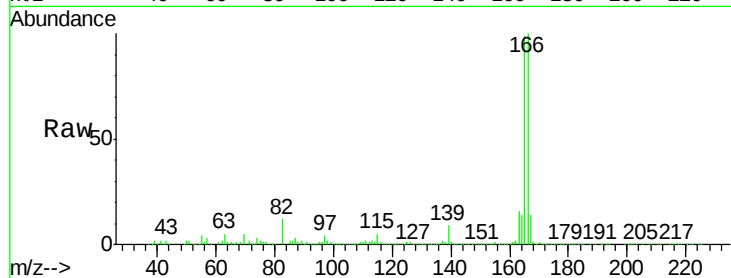
#57
Fluorene
 Concen: 57.465 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: BF104458.D
 Acq: 12 Apr 2018 18:29

Instrument :
 BNA_F
 ClientSampled :
 S2

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.8	119.8
167	13.8	10.6	16.0

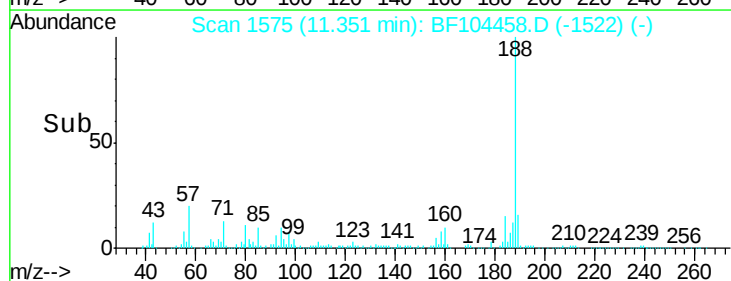
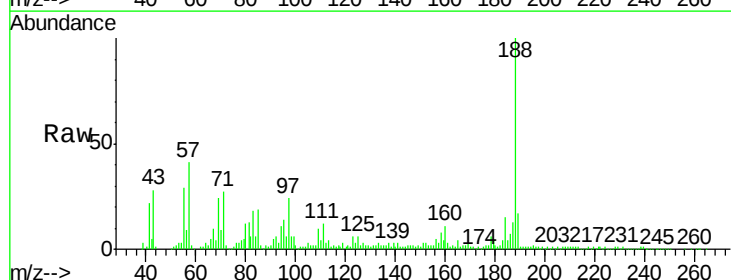
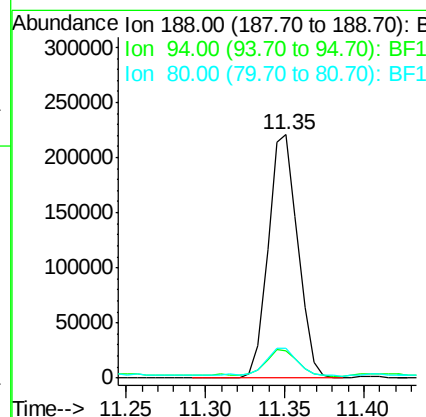
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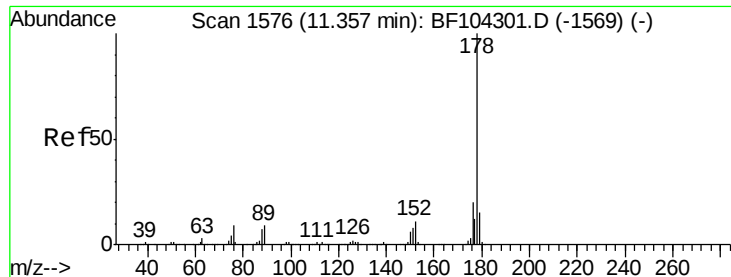
Sohil
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: BF104458.D
 Acq: 12 Apr 2018 18:29

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.5	12.7
80	12.2	9.2	13.8





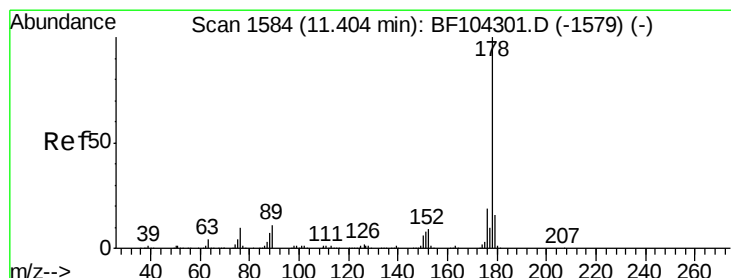
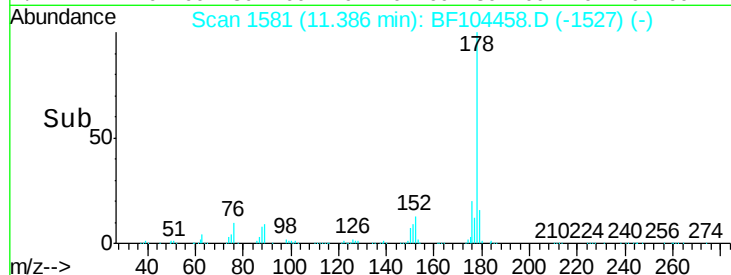
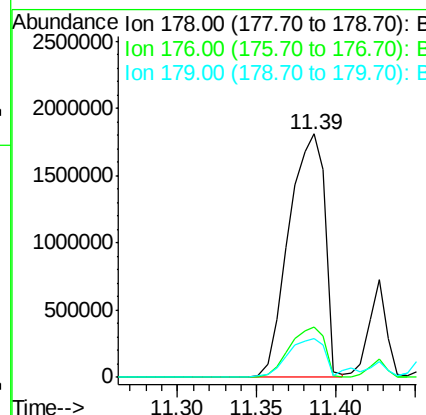
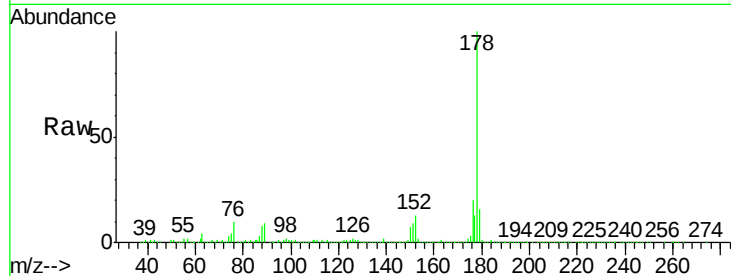
#70
Phenanthrene
Concen: 178.210 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.02 min
Lab File: BF104458.D
Acq: 12 Apr 2018 18:29

Instrument :
BNA_F
ClientSampled :
S2

Tot Ion:178 Resp: 2837161
Ion Ratio Lower Upper
178 100
176 20.4 15.8 23.8
179 16.1 13.0 19.6

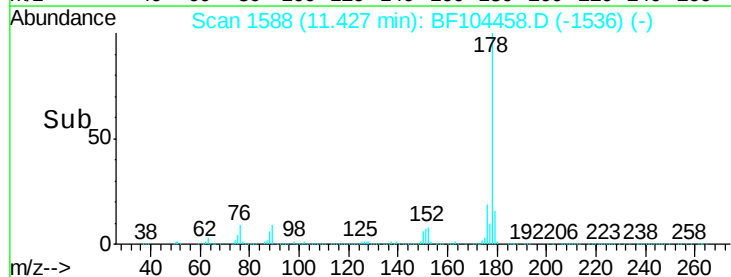
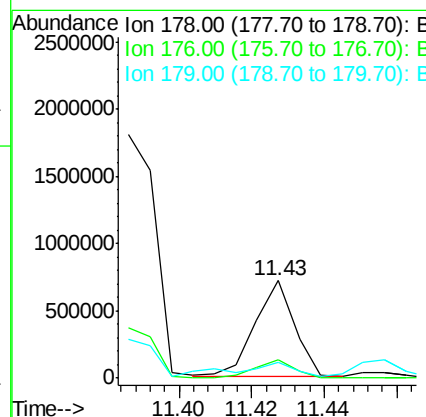
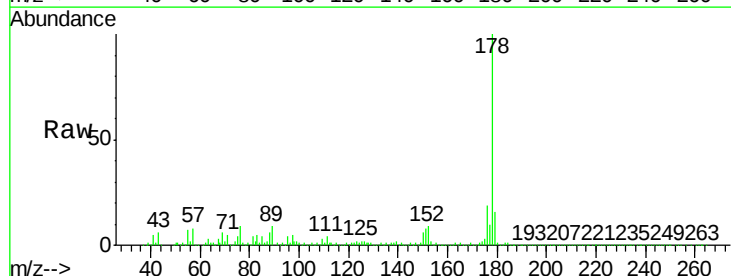
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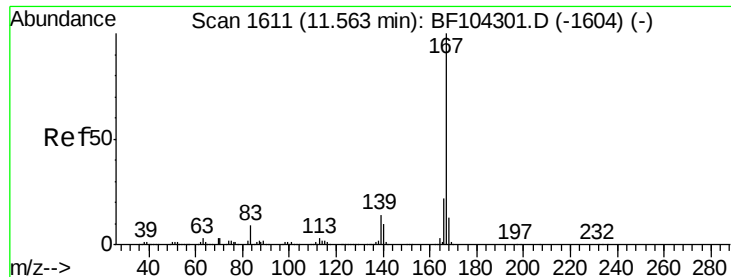
Sohil
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#71
Anthracene
Concen: 33.363 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF104458.D
Acq: 12 Apr 2018 18:29

Tgt Ion:178 Resp: 539914
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 16.0 12.6 19.0





#72

Carbazole

Concen: 36.060 ng

RT: 11.58 min Scan# 1614

Delta R.T. 0.01 min

Lab File: BF104458.D

Acq: 12 Apr 2018 18:29

Instrument :

BNA_F

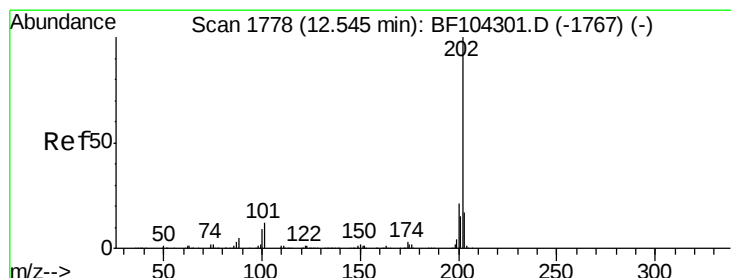
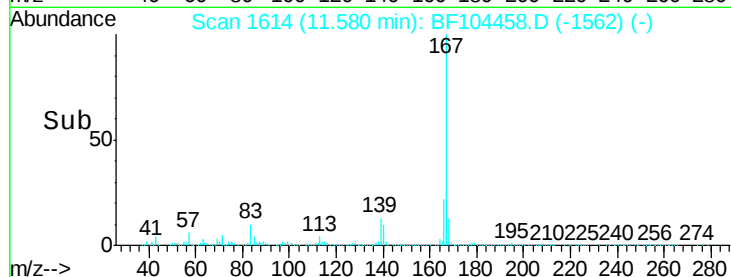
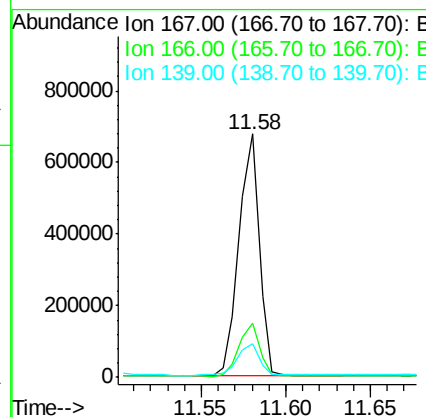
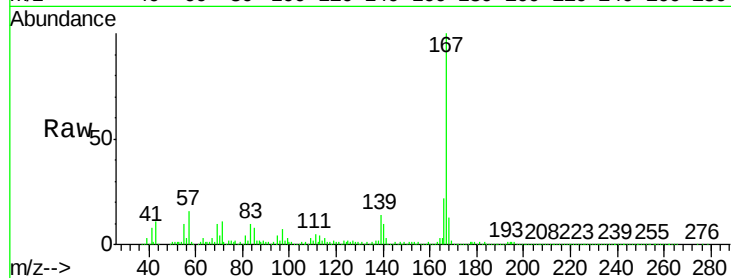
ClientSampled :

S2

Tot Ion:	167	Resp:	570252
Ion Ratio	Lower	Upper	
167	100		
166	22.4	17.6	26.4
139	14.0	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 152.401 ng

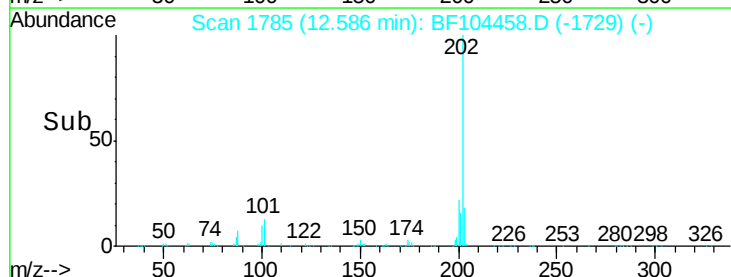
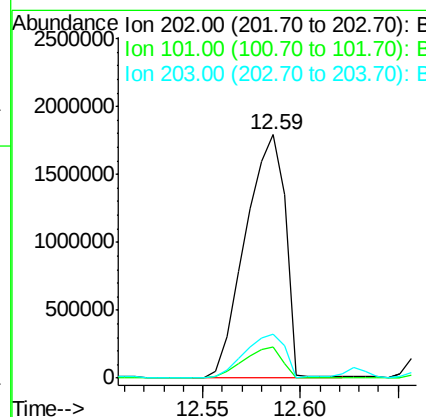
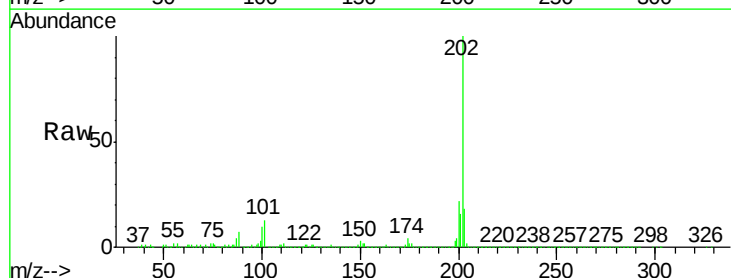
RT: 12.59 min Scan# 1785

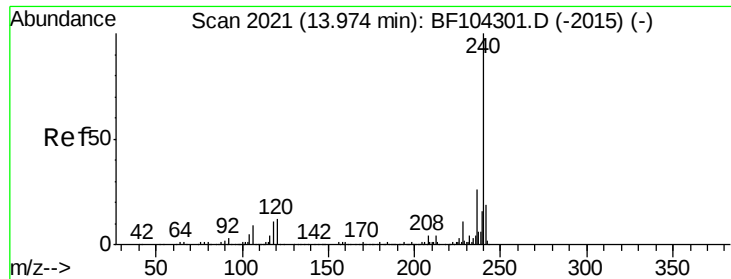
Delta R.T. 0.03 min

Lab File: BF104458.D

Acq: 12 Apr 2018 18:29

Tgt Ion:	202	Resp:	2534996
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	34.1
203	18.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF104458.D

Acq: 12 Apr 2018 18:29

Instrument :

BNA_F

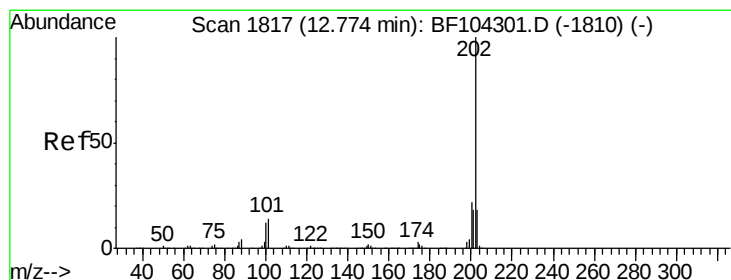
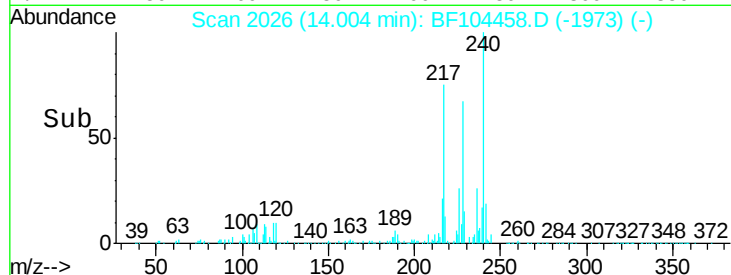
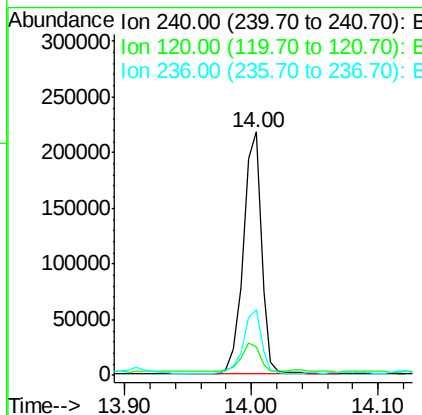
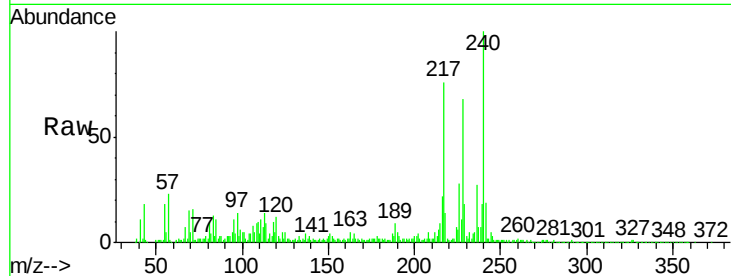
ClientSampled :

S2

Tot Ion:	240	Resp:	215868
Ion Ratio	Lower	Upper	
240	100		
120	11.8	9.5	14.3
236	26.7	20.7	31.1

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#77

Pyrene

Concen: 127.663 ng

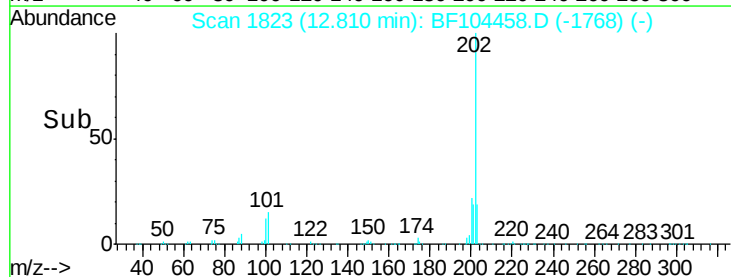
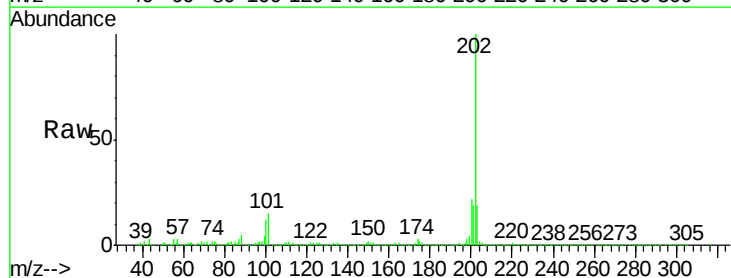
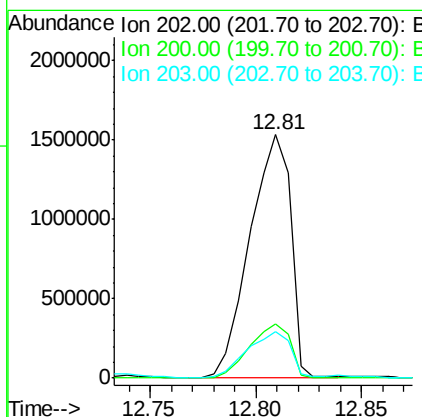
RT: 12.81 min Scan# 1823

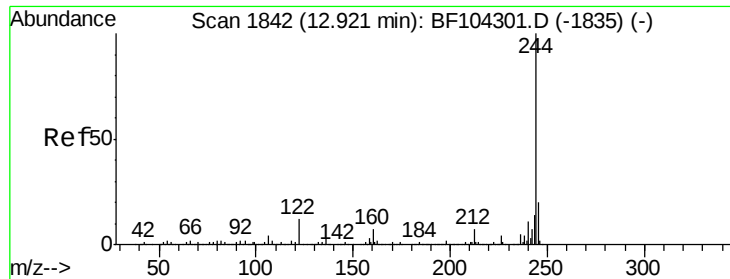
Delta R.T. 0.02 min

Lab File: BF104458.D

Acq: 12 Apr 2018 18:29

Tgt Ion:	202	Resp:	2042724
Ion Ratio	Lower	Upper	
202	100		
200	22.3	17.4	26.2
203	19.0	14.3	21.5





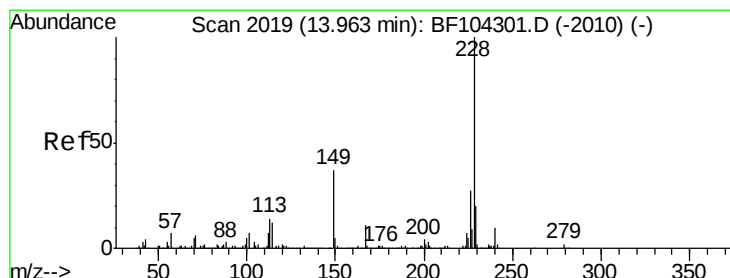
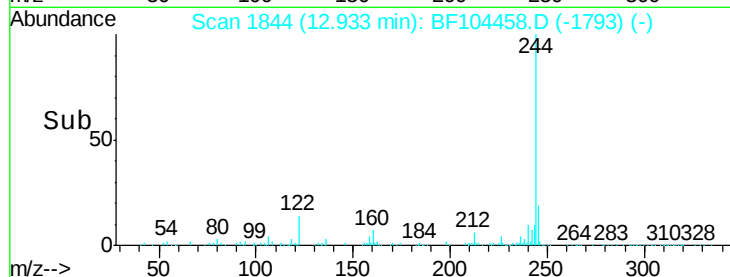
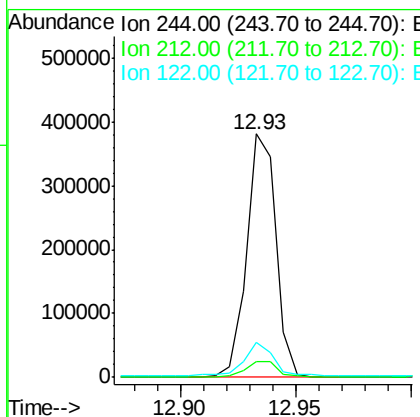
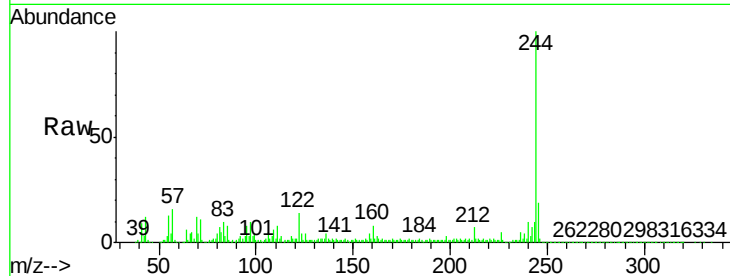
#78
 Terphenyl-d14
 Concen: 35.533 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: BF104458.D
 Acq: 12 Apr 2018 18:29

Instrument :
 BNA_F
 ClientSampled :
 S2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	14.4	11.0	16.4

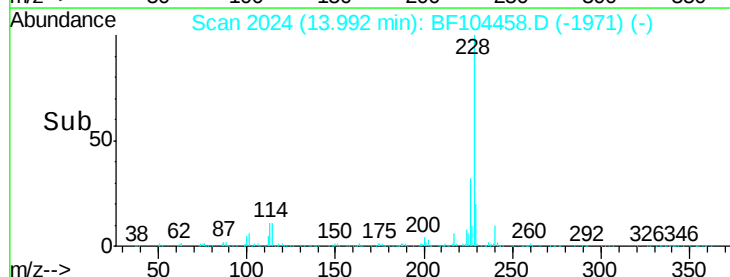
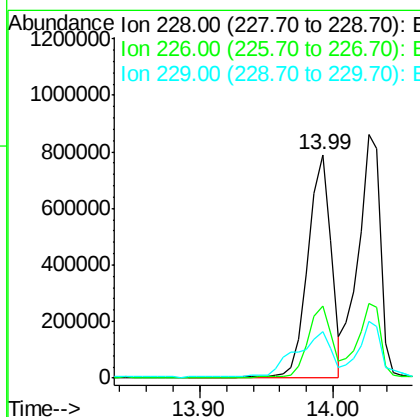
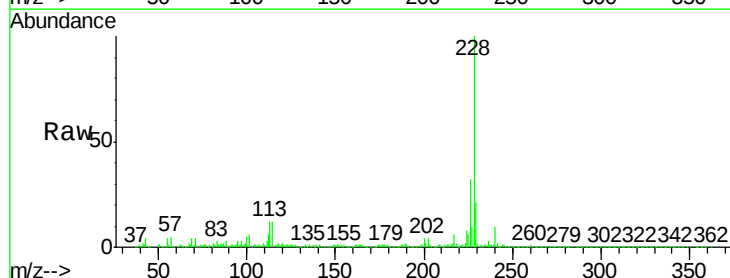
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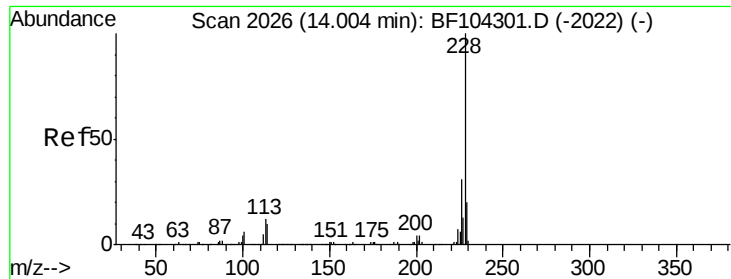
Sohil
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#80
 Benzo(a)anthracene
 Concen: 72.782 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. 0.01 min
 Lab File: BF104458.D
 Acq: 12 Apr 2018 18:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.5	22.6	33.8
229	20.9	15.8	23.6





#82

Chrysene

Concen: 75.202 ng m

RT: 14.03 min Scan# 2030

Delta R.T. 0.01 min

Lab File: BF104458.D

Acq: 12 Apr 2018 18:29

Instrument :

BNA_F

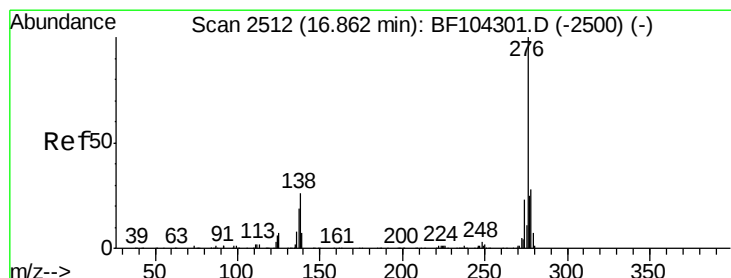
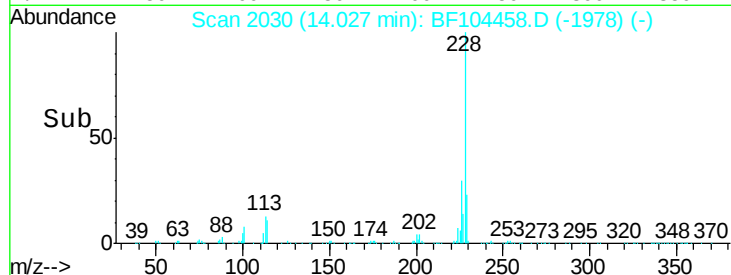
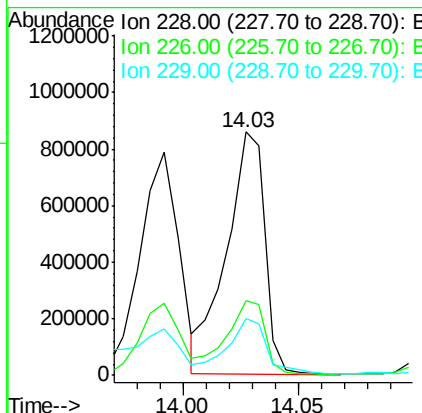
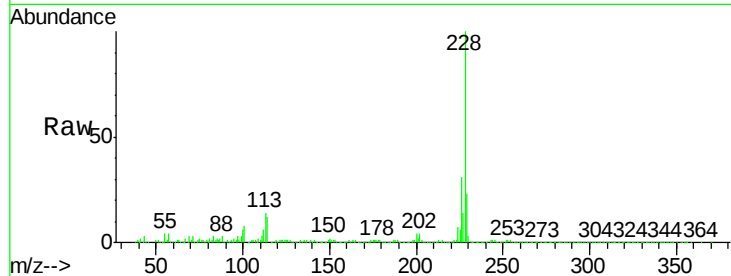
ClientSampled :

S2

Tot Ion:	228	Resp:	996157
Ion Ratio	Lower	Upper	
228	100		
226	30.7	25.0	37.6
229	23.2	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 35.041 ng m

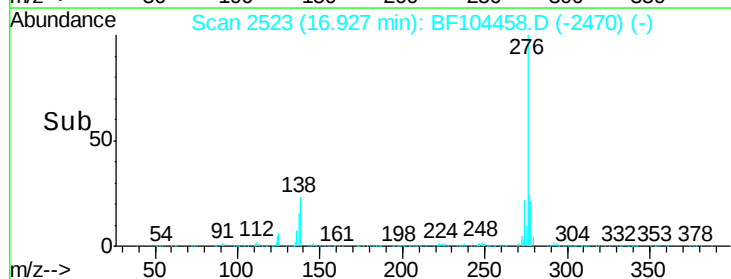
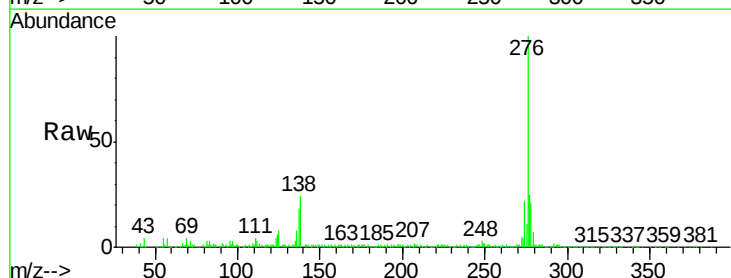
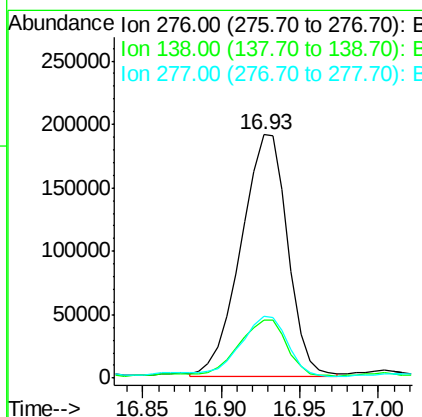
RT: 16.93 min Scan# 2523

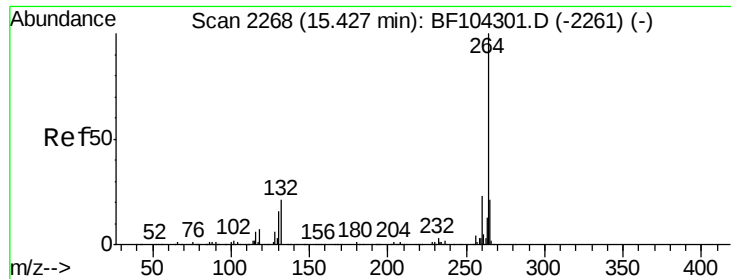
Delta R.T. 0.01 min

Lab File: BF104458.D

Acq: 12 Apr 2018 18:29

Tgt Ion:	276	Resp:	394302
Ion Ratio	Lower	Upper	
276	100		
138	5.3	25.0	37.6#
277	4.6	20.1	30.1#





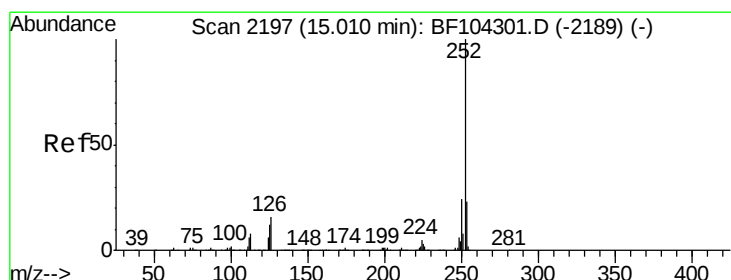
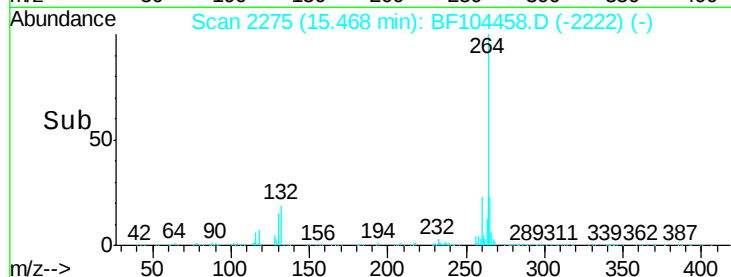
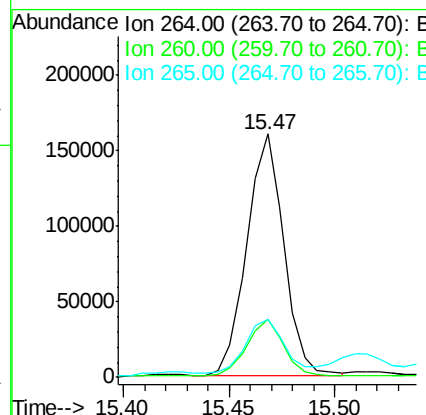
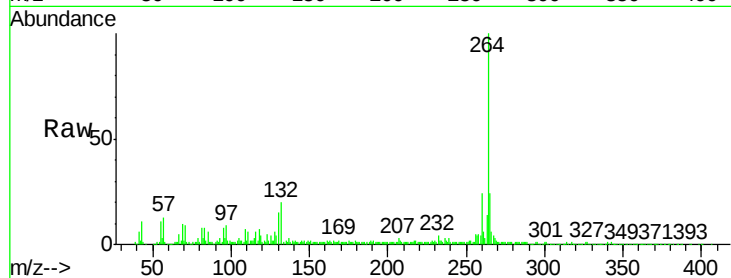
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF104458.D
Acq: 12 Apr 2018 18:29

Instrument :
BNA_F
ClientSampleId :
S2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	23.8	17.5	26.3

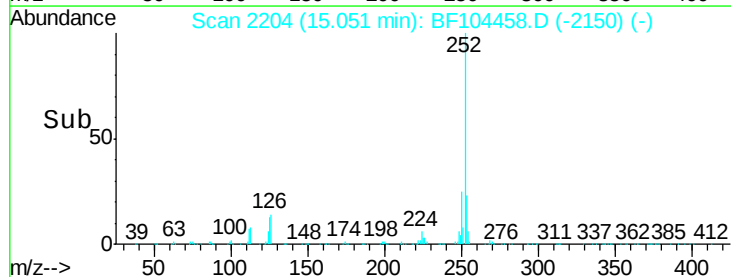
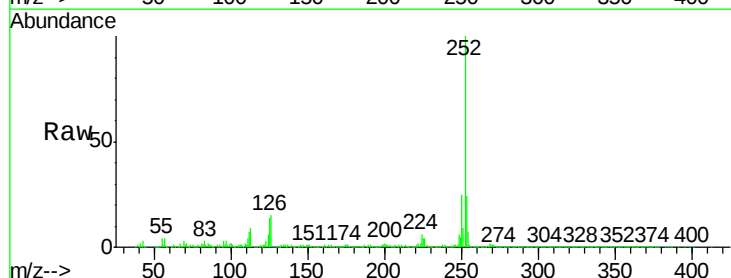
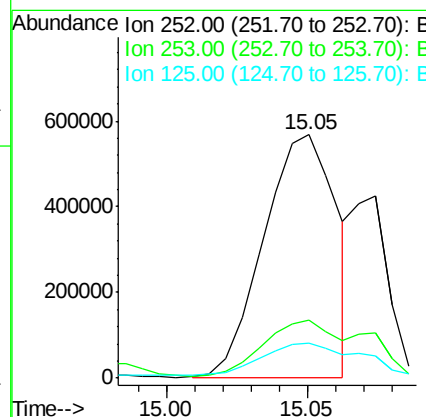
Manual Integrations
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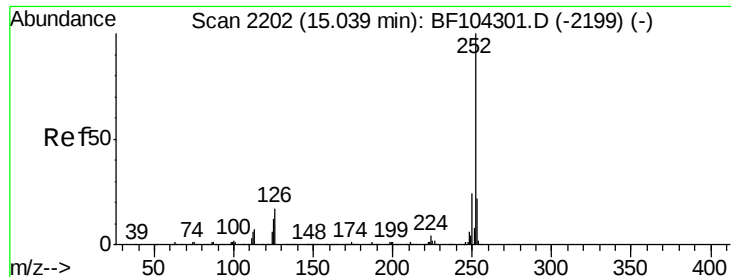
Sohil
4/13/2018 4:44:16 PM



#87
Benzo(b)fluoranthene
Concen: 82.247 ng m
RT: 15.05 min Scan# 2204
Delta R.T. 0.02 min
Lab File: BF104458.D
Acq: 12 Apr 2018 18:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	14.4	9.0	13.6





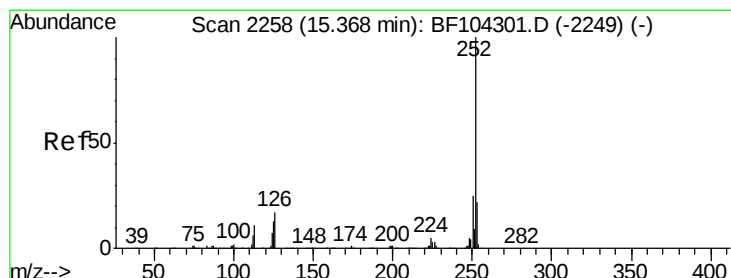
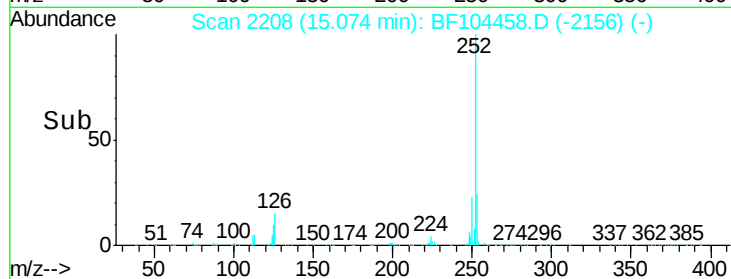
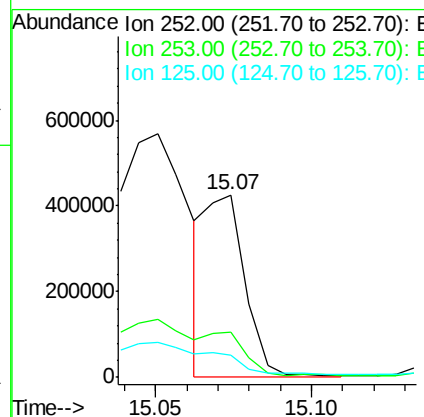
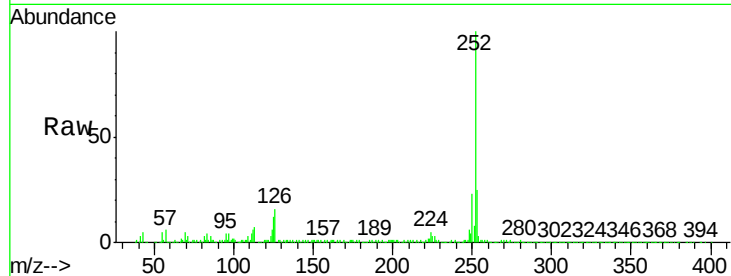
#88
Benzo(k)fluoranthene
Concen: 31.753 ng m
RT: 15.07 min Scan# 2208
Delta R.T. 0.01 min
Lab File: BF104458.D
Acq: 12 Apr 2018 18:29

Instrument :
BNA_F
ClientSampleId :
S2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	12.0	10.2	15.2

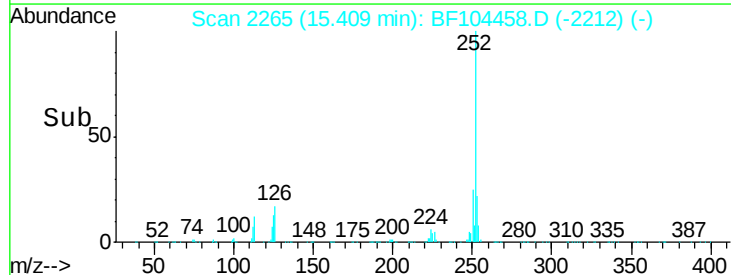
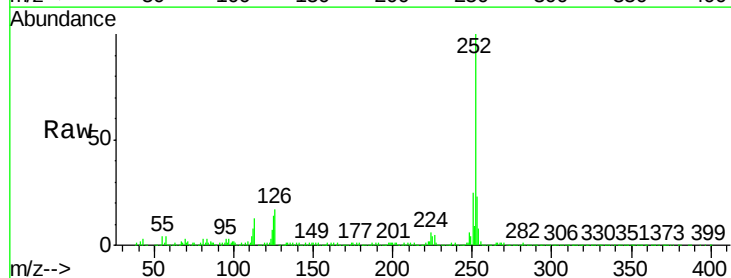
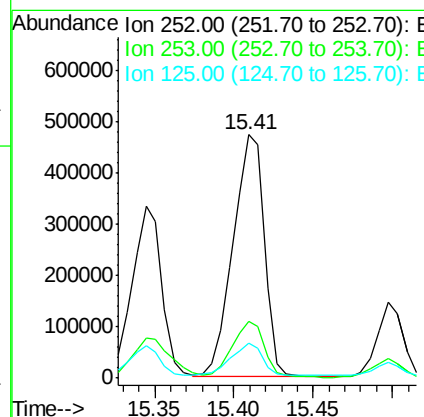
Manual Integrations
APPROVED

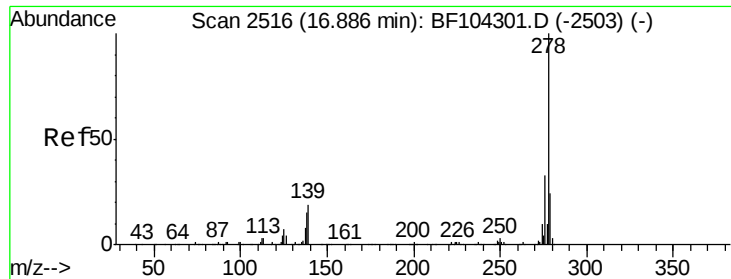
Sohil
4/13/2018 4:44:16 PM



#89
Benzo(a)pyrene
Concen: 58.994 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF104458.D
Acq: 12 Apr 2018 18:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	14.5	9.8	14.6





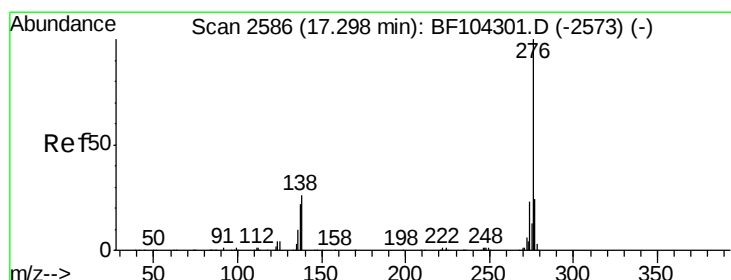
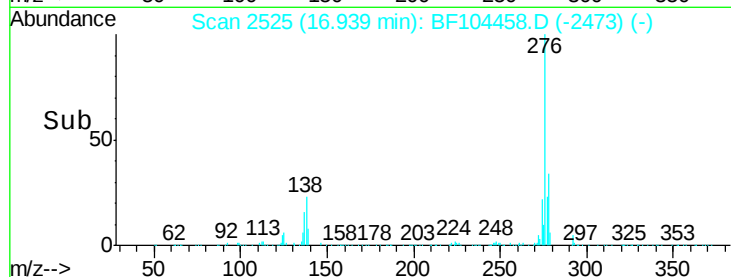
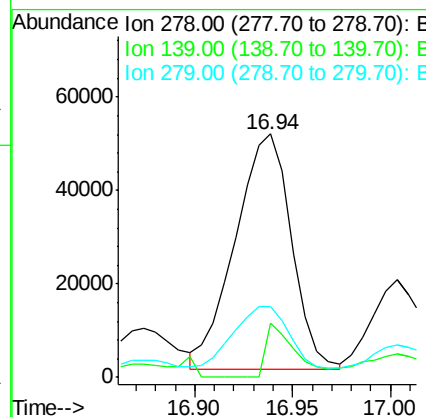
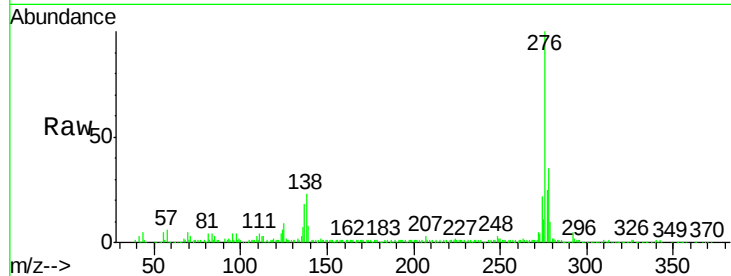
#90
Dibenzo(a,h)anthracene
Concen: 11.186 ng/mL
RT: 16.94 min Scan# 2525
Delta R.T. 0.01 min
Lab File: BF104458.D
Acq: 12 Apr 2018 18:29

Instrument :
BNA_F
ClientSampleId :
S2

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.1	15.9	23.9
279	29.1	19.0	28.4

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#91
Benzo(g,h,i)perylene
Concen: 37.256 ng/mL
RT: 17.37 min Scan# 2599
Delta R.T. 0.01 min
Lab File: BF104458.D
Acq: 12 Apr 2018 18:29

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	17.9	26.9
138	24.0	21.8	32.8

