

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110518\
 Data File : BF110477.D
 Acq On : 5 Nov 2018 20:45
 Operator : JU/SJ
 Sample : J5764-11
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-110218-F

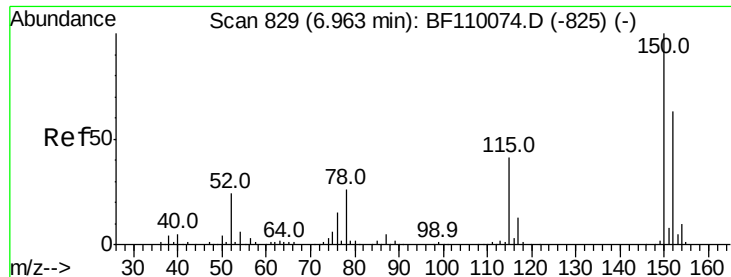
Manual Integrations
 APPROVED

Sohil
 11/6/2018 9:01:18 AM

Quant Time: Nov 06 04:45:34 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	111656	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	435379	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	174991	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	255557	20.00	ng	0.00
76) Chrysene-d12	14.14	240	187171	20.00	ng	0.00
87) Perylene-d12	15.66	264	142170	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	660077	96.27	ng	0.00
7) Phenol-d6	6.59	99	837104	95.45	ng	0.00
23) Nitrobenzene-d5	7.52	82	523403	71.31	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	136029	78.48	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	673588	60.44	ng	0.00
79) Terphenyl-d14	13.07	244	401163	44.57	ng	0.00
Target Compounds						
10) Phenol	6.59	94	74429	7.939	ng	Qvalue # 70
31) Naphthalene	8.26	128	139297	6.942	ng	99
37) 2-Methylnaphthalene	8.95	142	41771	3.146	ng	98
38) 1-Methylnaphthalene	9.05	142	35264m	2.749	ng	
50) Dimethylphthalate	9.70	163	149862	11.602	ng	99
52) Acenaphthene	10.03	154	91332	8.235	ng	97
55) Dibenzofuran	10.20	168	78089	5.029	ng	94
58) Fluorene	10.55	166	93922	8.127	ng	100
71) Phenanthrene	11.52	178	825880	61.762	ng	100
72) Anthracene	11.56	178	166085	12.391	ng	97
73) Carbazole	11.72	167	57034	4.358	ng	99
75) Fluoranthene	12.71	202	829243	61.104	ng	99
78) Pyrene	12.94	202	768465	57.269	ng	99
81) Benzo(a)anthracene	14.13	228	345077	31.089	ng	98
83) Chrysene	14.16	228	300418	28.496	ng	98
86) Indeno(1,2,3-cd)pyrene	17.23	276	112536	12.867	ng	98
88) Benzo(b)fluoranthene	15.21	252	310931m	37.873	ng	
89) Benzo(k)fluoranthene	15.23	252	100940m	12.506	ng	
90) Benzo(a)pyrene	15.60	252	224080	29.662	ng	99
91) Dibenzo(a,h)anthracene	17.23	278	28408	4.358	ng	# 88
92) Benzo(g,h,i)perylene	17.71	276	109365	17.027	ng	96

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



#1

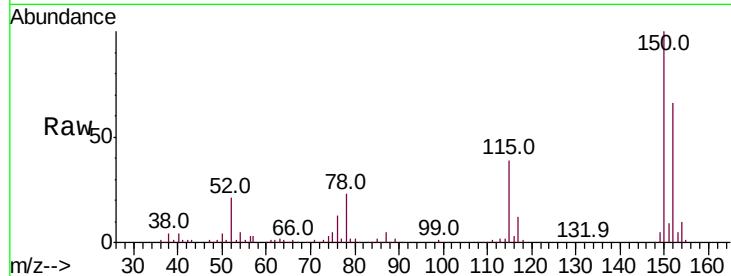
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

Instrument :
BNA_F
ClientSampleId :
JC-03-110218-F

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.6	122.7	184.1
115	59.7	49.1	73.7

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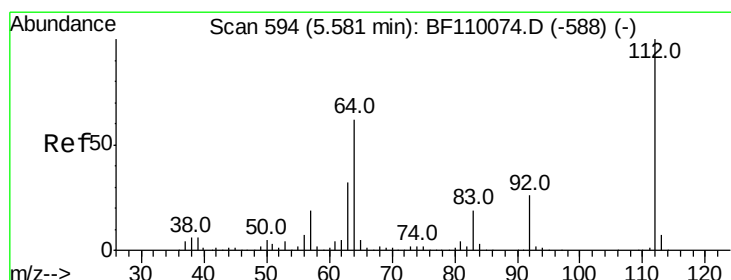
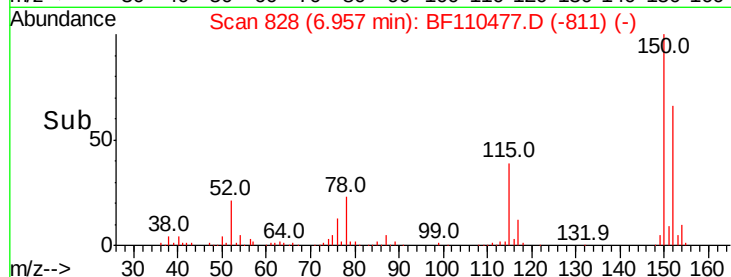
Abundance

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

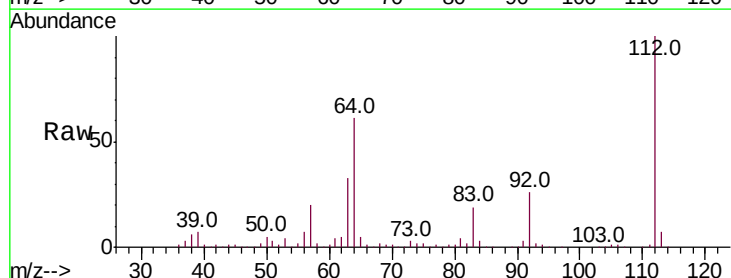
Time-->



#5

2-Fluorophenol
Concen: 96.269 ng
RT: 5.58 min Scan# 594
Delta R.T. 0.01 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	44.1	66.1
63	32.7	23.7	35.5



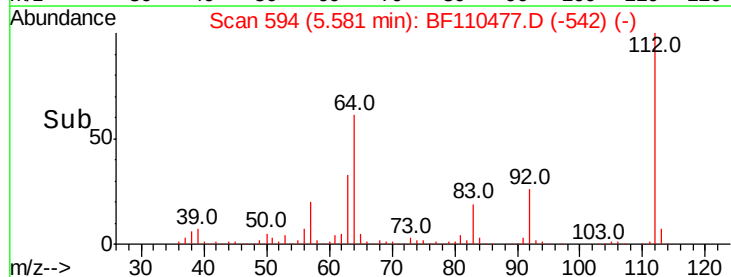
Abundance

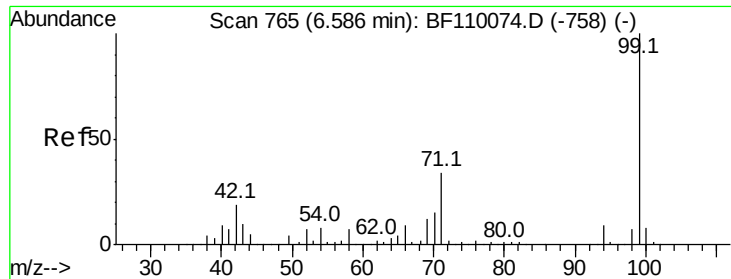
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 95.450 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.01 min

Lab File: BF110477.D

Acq: 5 Nov 2018 20:45

Instrument :

BNA_F

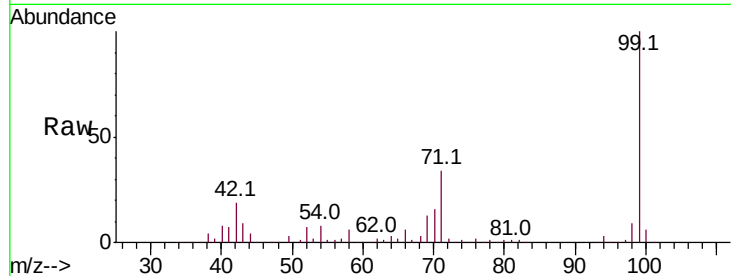
ClientSampleId :

JC-03-110218-F

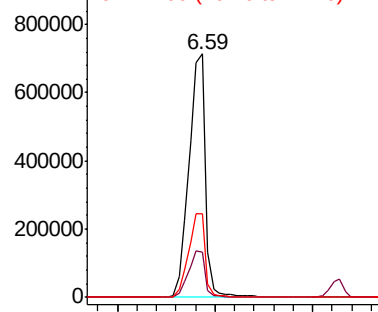
Tot Ion:	99	Resp:	837104
Ion Ratio	Lower	Upper	
99	100		
42	18.7	15.8	23.6
71	34.2	28.0	42.0

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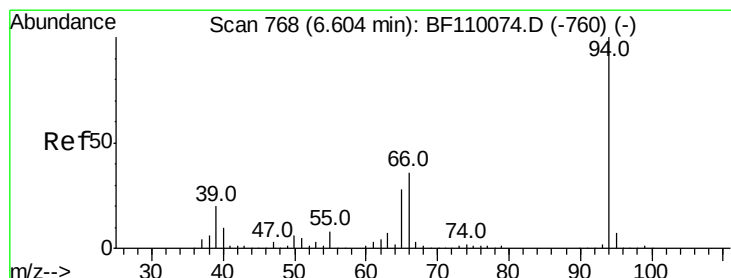
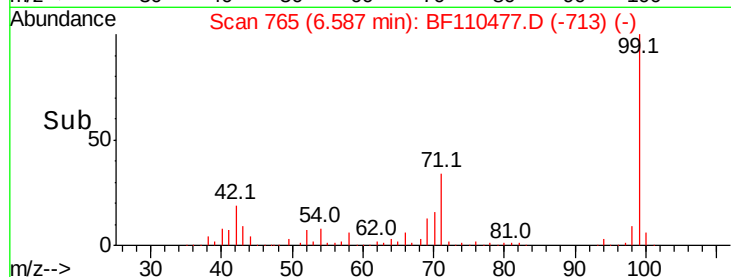
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



Time-->



#10

Phenol

Concen: 7.939 ng

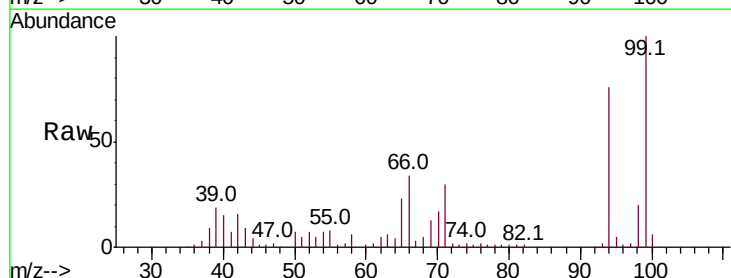
RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

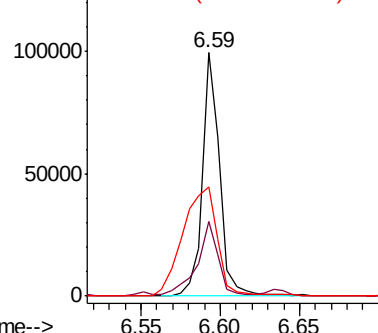
Lab File: BF110477.D

Acq: 5 Nov 2018 20:45

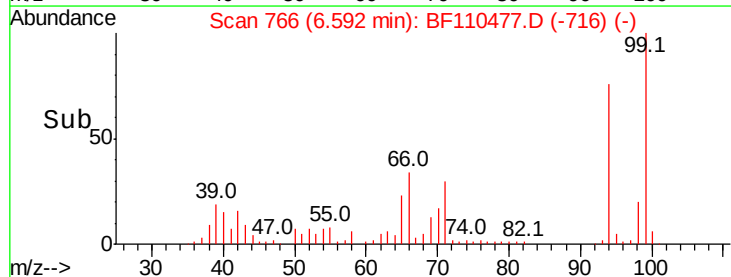
Tgt Ion:	94	Resp:	74429
Ion Ratio	Lower	Upper	
94	100		
65	30.9	25.3	65.3
66	44.9	54.5	94.5#

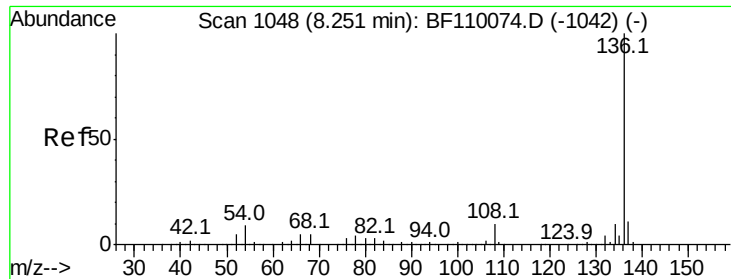


Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



Time-->





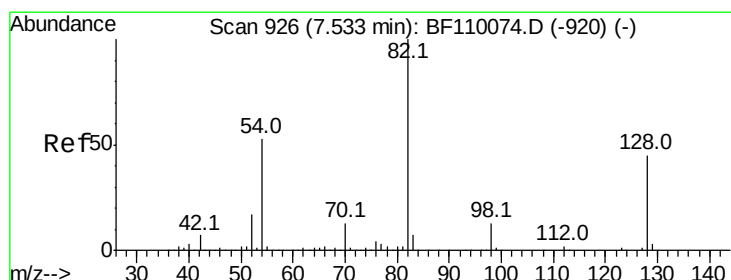
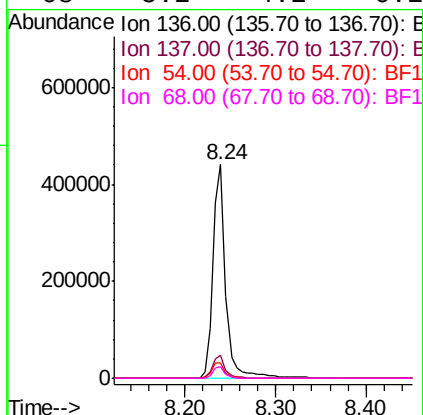
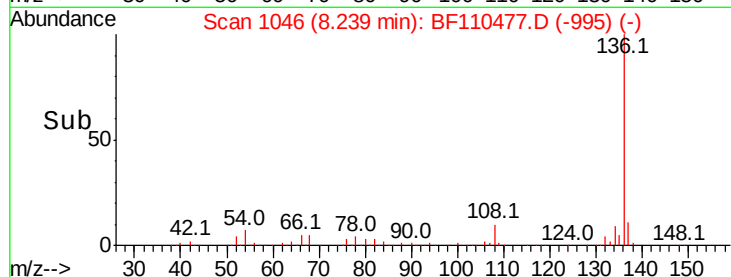
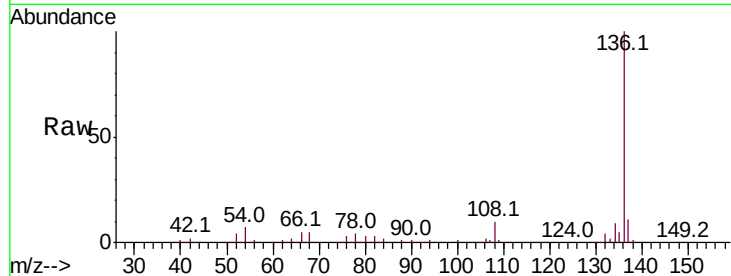
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

Instrument :
BNA_F
ClientSampleId :
JC-03-110218-F

Tot Ion	Ratio	Resp	Lower	Upper
136	100	435379		
137	10.8		8.8	13.2
54	7.4		5.4	8.2
68	5.2		4.2	6.2

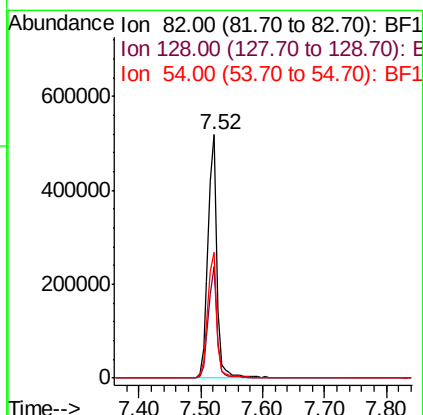
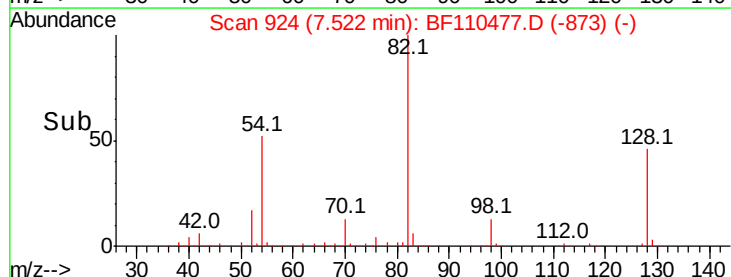
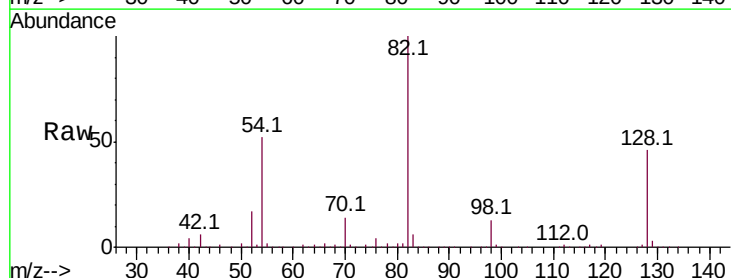
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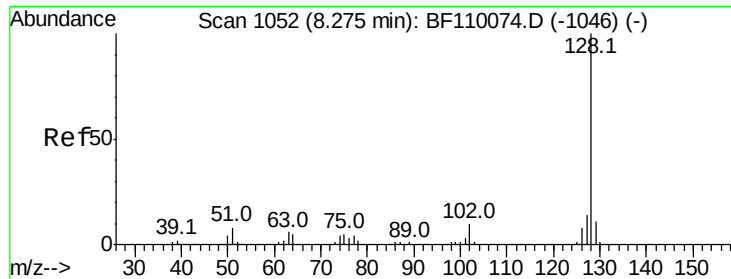
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#23
Nitrobenzene-d5
Concen: 71.305 ng
RT: 7.52 min Scan# 924
Delta R.T. 0.00 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	523403		
128	45.9		34.2	51.2
54	51.8		38.6	58.0





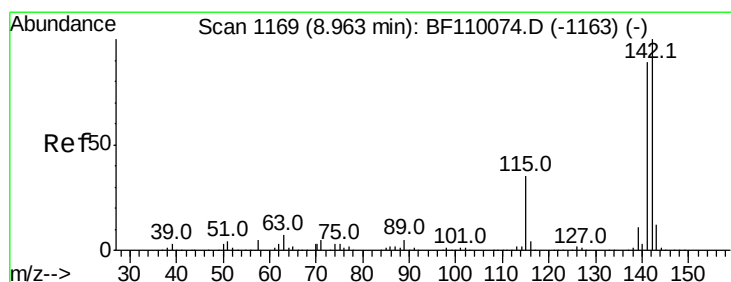
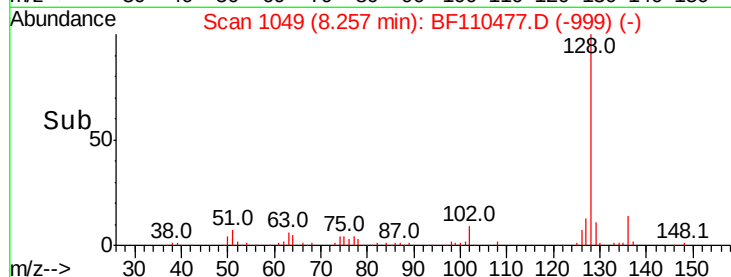
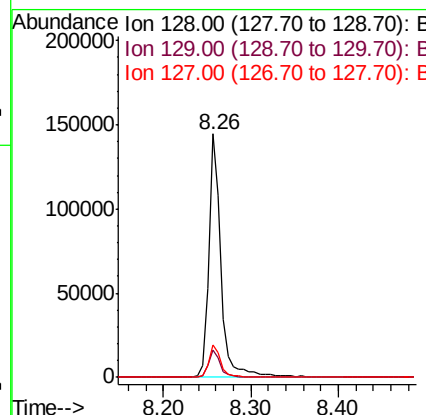
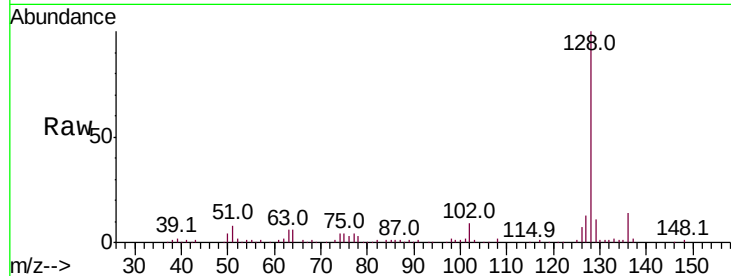
#31
Naphthalene
Concen: 6.942 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

Instrument :
BNA_F
ClientSampleId :
JC-03-110218-F

Tot Ion	Ratio	Resp	Lower	Upper
128	100	139297		
129	11.0	8.8	13.2	
127	13.1	10.8	16.2	

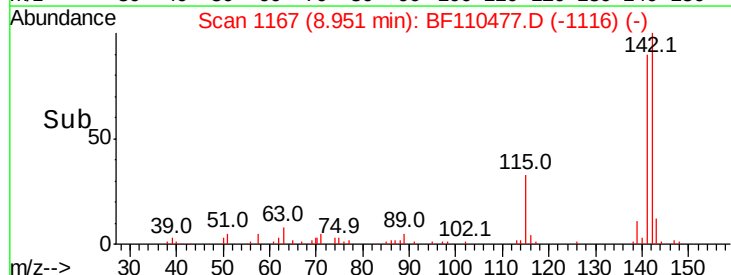
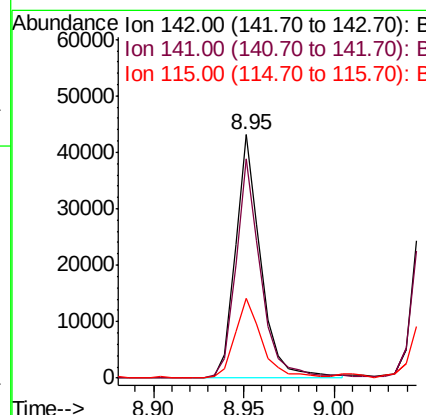
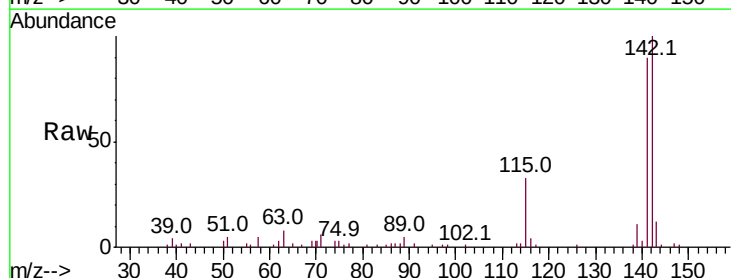
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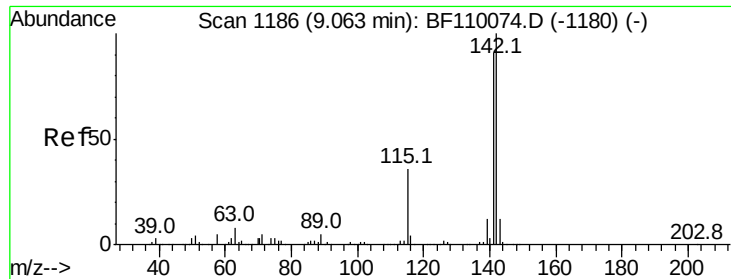
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#37
2-Methylnaphthalene
Concen: 3.146 ng
RT: 8.95 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	41771		
141	89.8	71.4	107.2	
115	32.7	28.7	43.1	





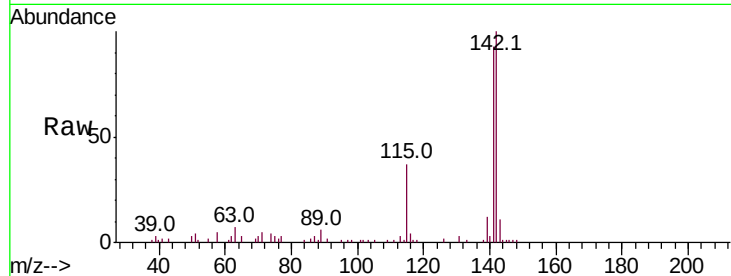
#38
1-Methylnaphthalene
Concen: 2.749 ng m
RT: 9.05 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

Instrument :
BNA_F
ClientSampleId :
JC-03-110218-F

Tot Ion	Ratio	Lower	Upper
142	100		
141	93.2	74.2	111.4
116	4.0	2.6	4.0#

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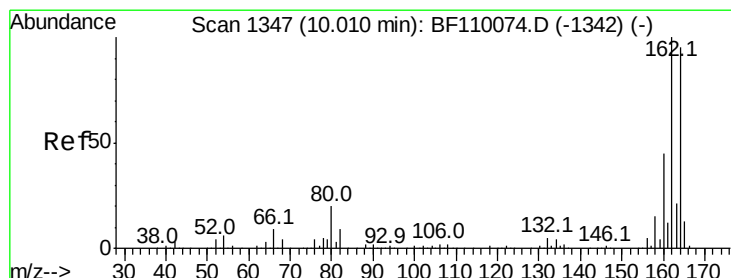
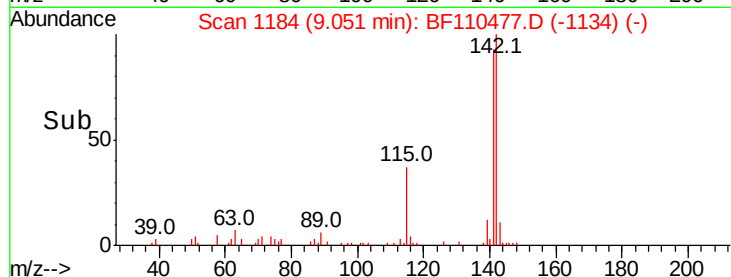
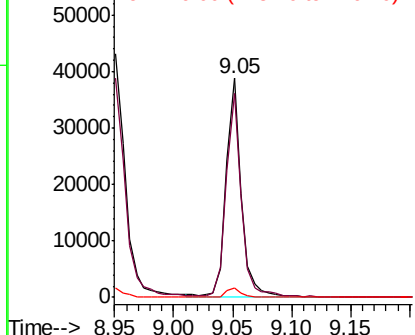


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.00 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

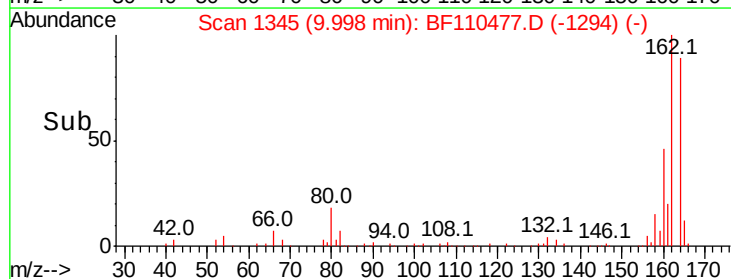
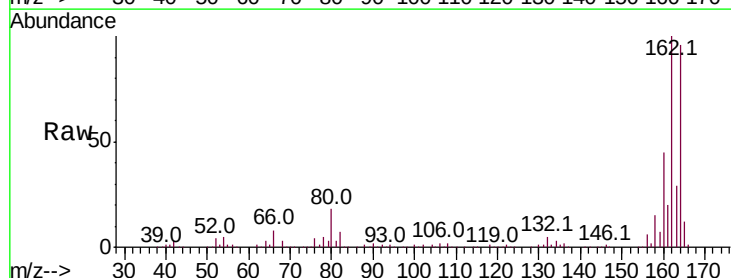
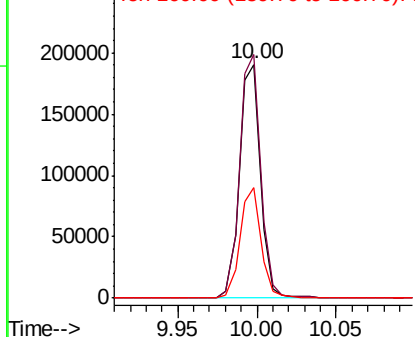
Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	83.0	124.6
160	47.2	37.0	55.6

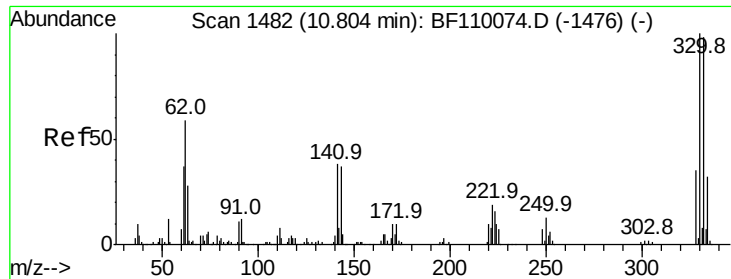
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 78.475 ng

RT: 10.79 min Scan# 1479

Delta R.T. -0.01 min

Lab File: BF110477.D

Acq: 5 Nov 2018 20:45

Instrument :

BNA_F

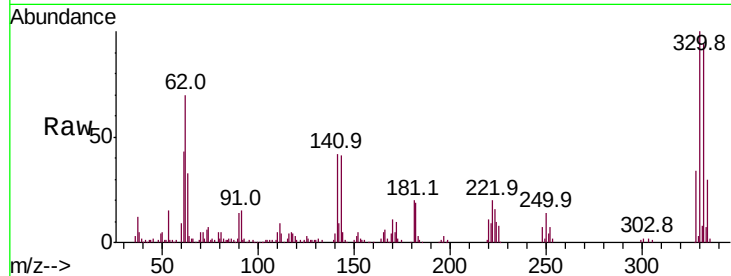
ClientSampleId :

JC-03-110218-F

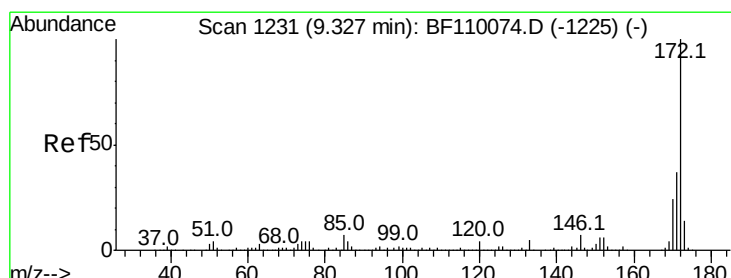
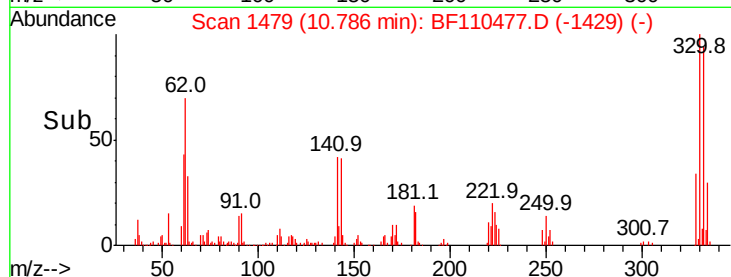
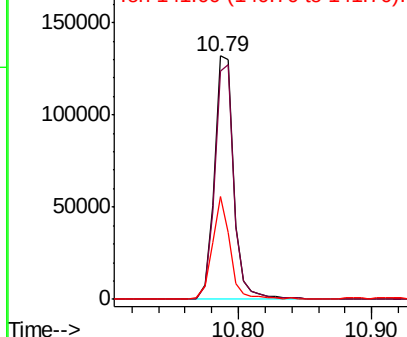
Tot Ion:	330	Resp:	136029
Ion Ratio	Lower	Upper	
330	100		
332	96.3	77.1	115.7
141	39.1	27.0	40.4

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 60.444 ng

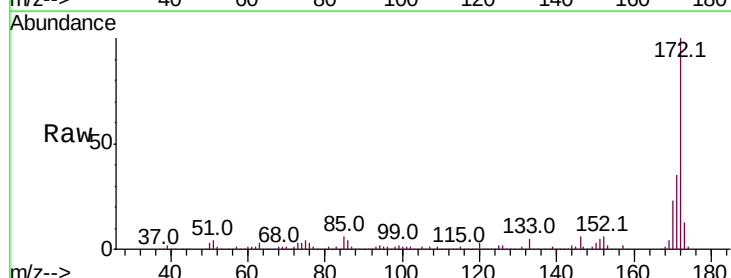
RT: 9.31 min Scan# 1228

Delta R.T. -0.01 min

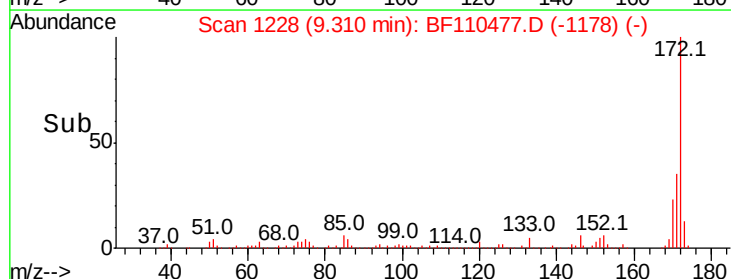
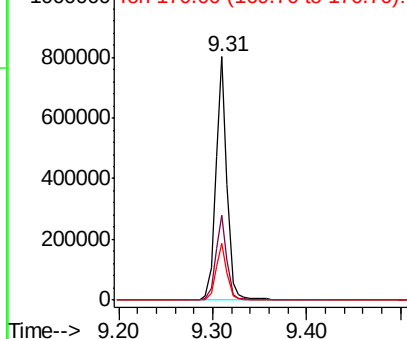
Lab File: BF110477.D

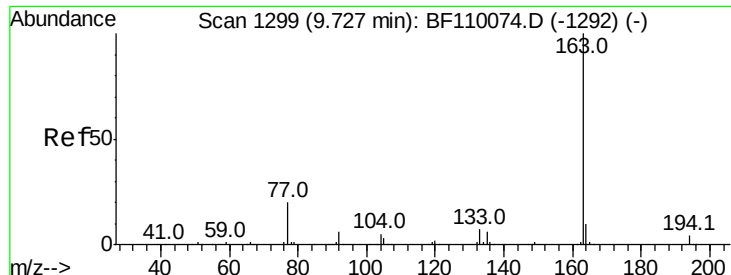
Acq: 5 Nov 2018 20:45

Tgt Ion:	172	Resp:	673588
Ion Ratio	Lower	Upper	
172	100		
171	34.8	28.6	43.0
170	23.3	19.7	29.5



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





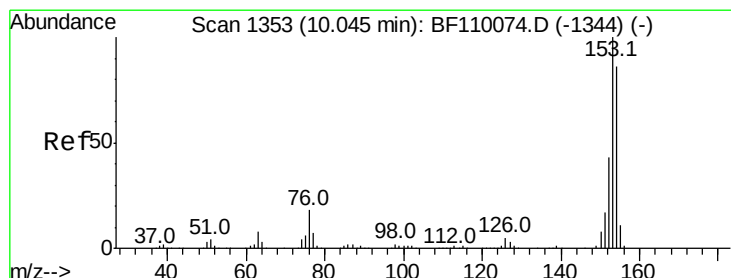
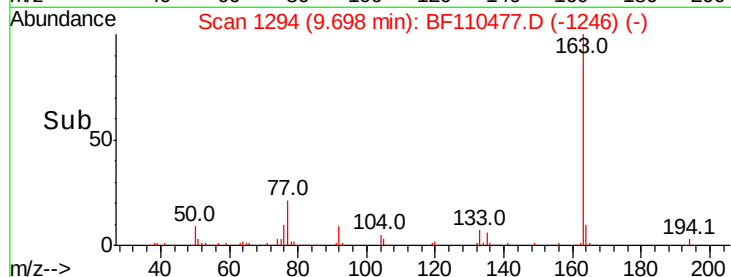
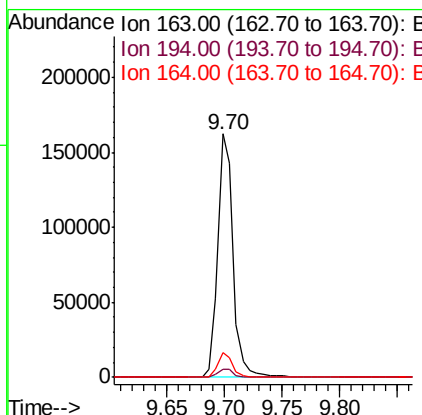
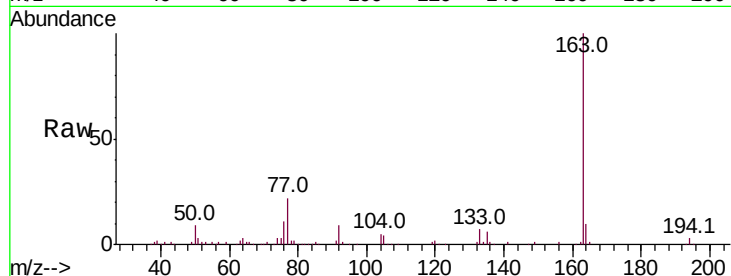
#50
Dimethylphthalate
Concen: 11.602 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

Instrument :
BNA_F
ClientSampleId :
JC-03-110218-F

Tot Ion	Ratio	Resp	Lower	Upper
163	100	149862		
194	3.3		3.2	4.8
164	10.0		8.1	12.1

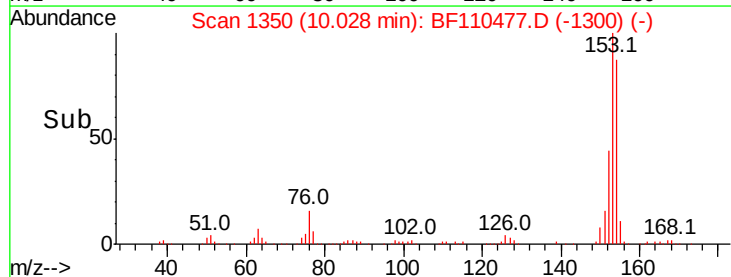
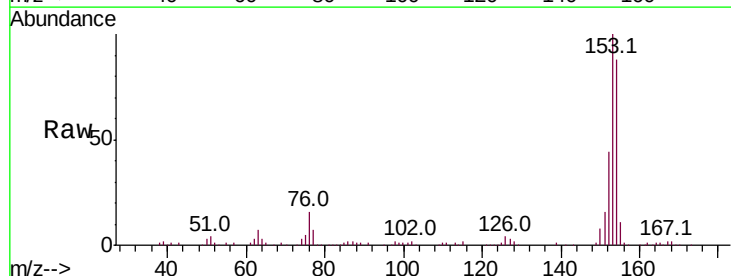
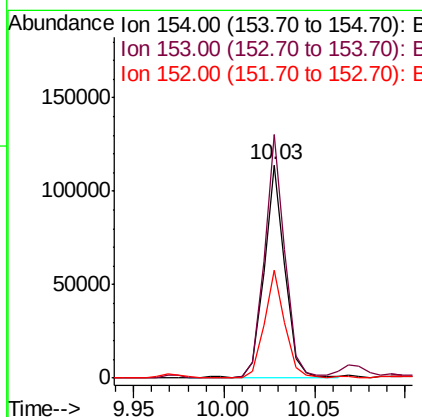
Manual Integrations
APPROVED

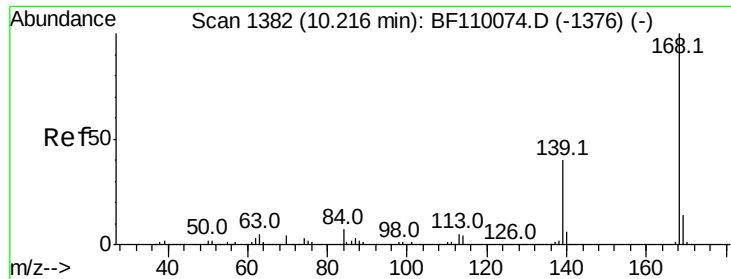
Sohil
11/6/2018 9:01:18 AM



#52
Acenaphthene
Concen: 8.235 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	91332		
153	114.1		90.1	135.1
152	50.7		43.4	65.2





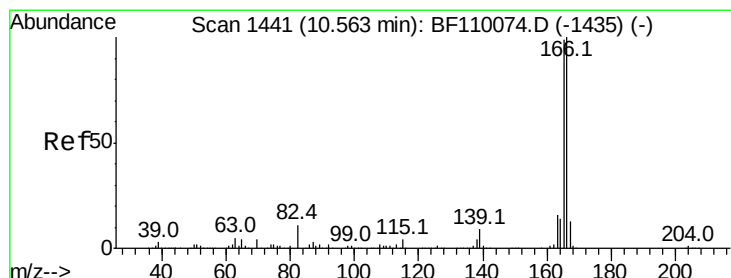
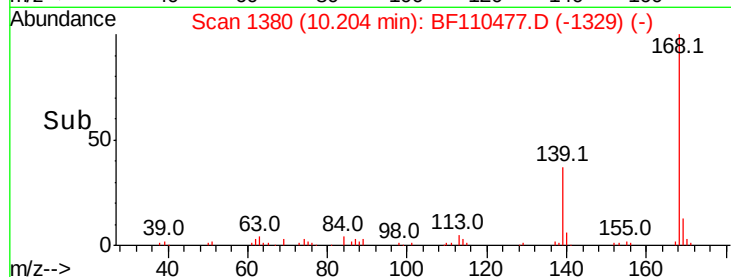
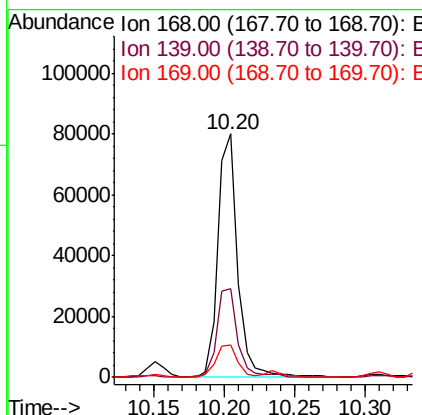
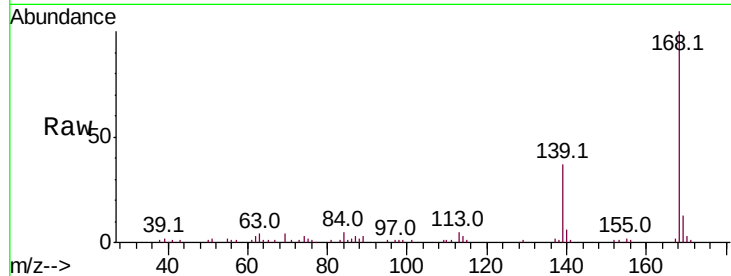
#55
Dibenzenofuran
Concen: 5.029 ng
RT: 10.20 min Scan# 1380
Delta R.T. 0.00 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

Instrument :
BNA_F
ClientSampleId :
JC-03-110218-F

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.7	33.0	49.6
169	13.1	11.3	16.9

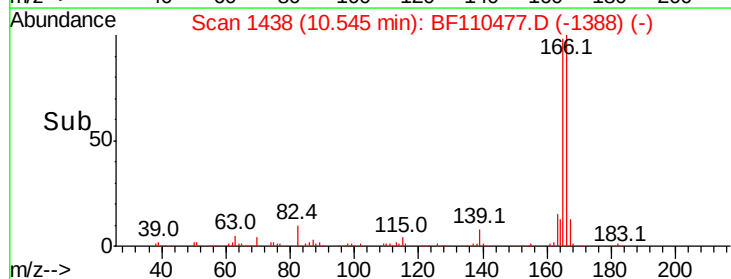
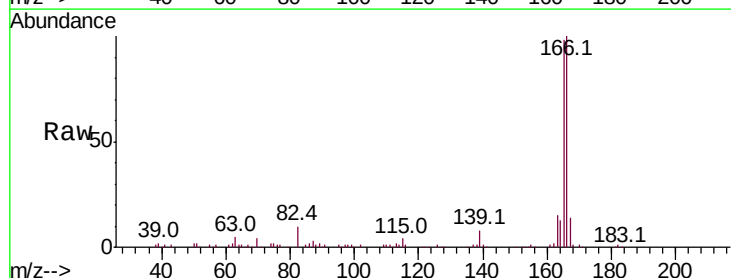
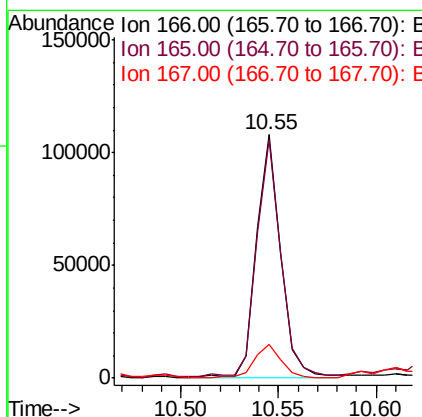
Manual Integrations
APPROVED

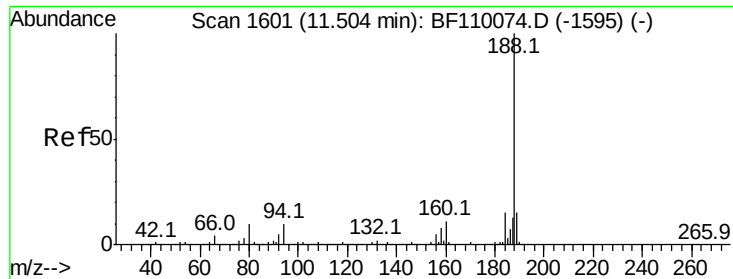
Sohil
11/6/2018 9:01:18 AM



#58
Fluorene
Concen: 8.127 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.6	117.8
167	13.7	10.8	16.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF110477.D

Acq: 5 Nov 2018 20:45

Instrument :

BNA_F

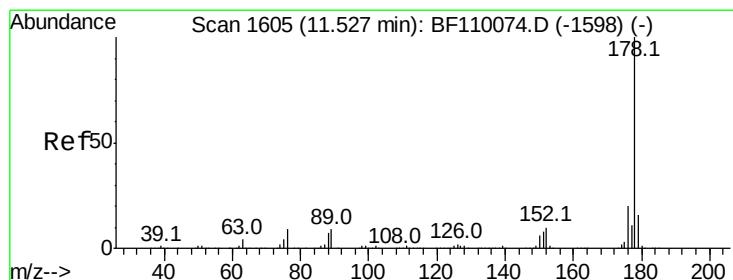
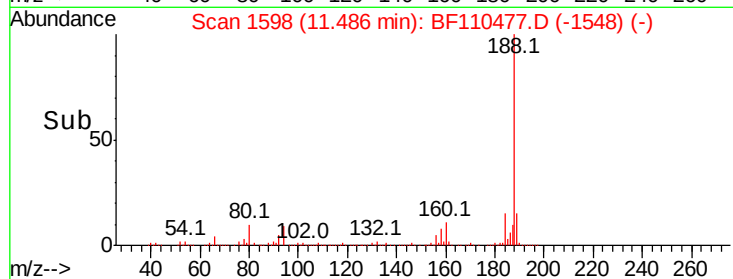
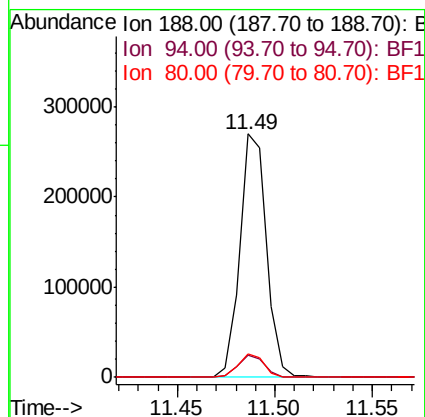
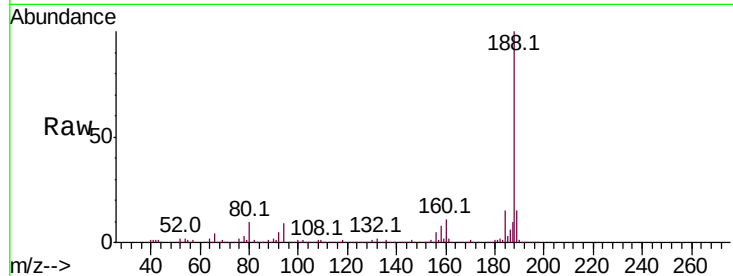
ClientSampleId :

JC-03-110218-F

Tot Ion:188	Resp:	255557
Ion Ratio	Lower	Upper
188 100		
94 9.3	7.2	10.8
80 9.7	7.9	11.9

Manual Integrations
APPROVED

Sohil
11/6/2018 9:01:18 AM



#71

Phenanthrene

Concen: 61.762 ng

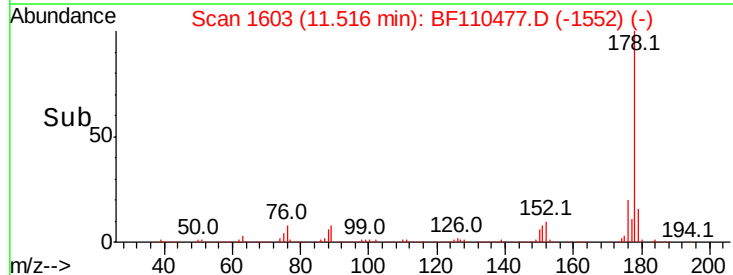
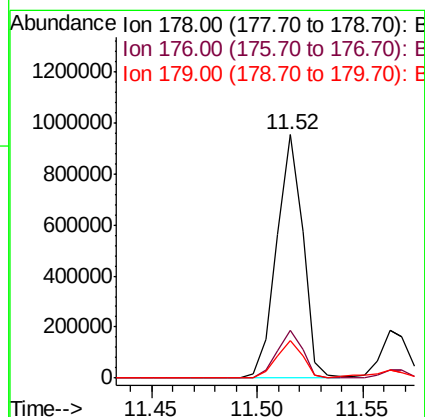
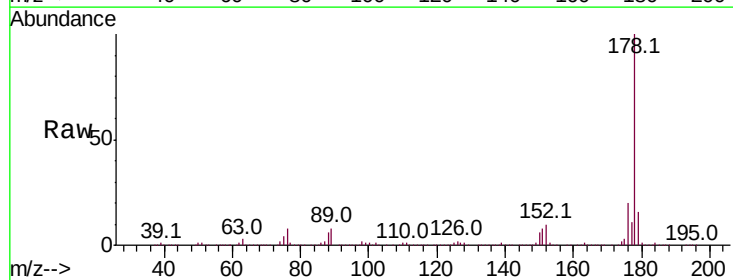
RT: 11.52 min Scan# 1603

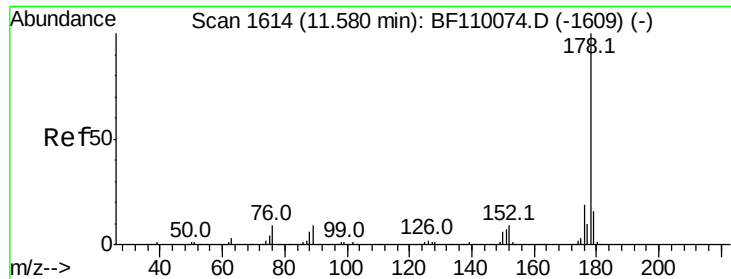
Delta R.T. 0.00 min

Lab File: BF110477.D

Acq: 5 Nov 2018 20:45

Tgt Ion:178	Resp:	825880
Ion Ratio	Lower	Upper
178 100		
176 19.6	15.5	23.3
179 15.7	12.5	18.7





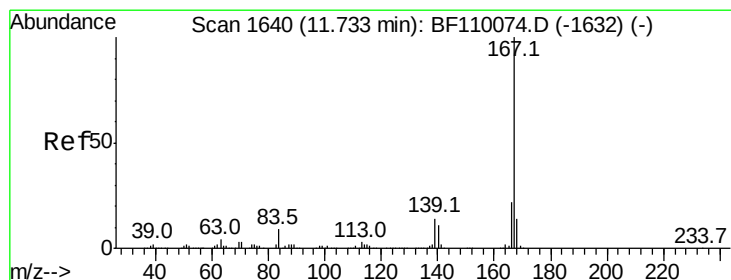
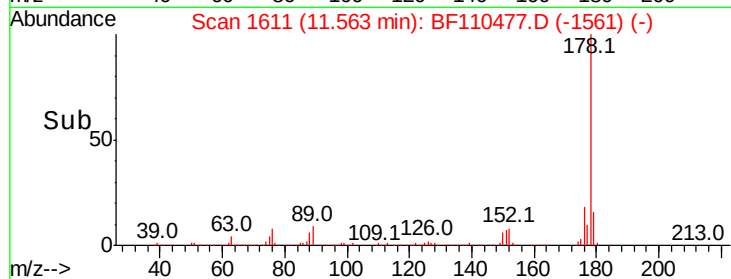
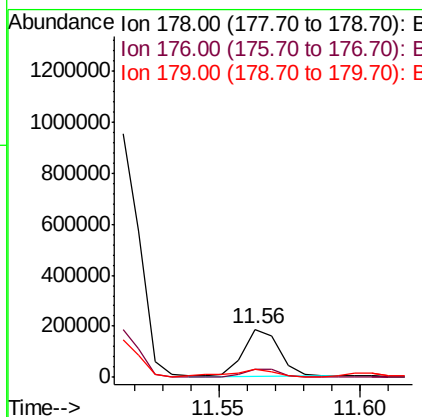
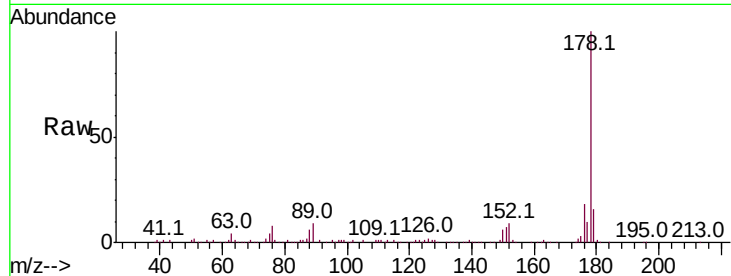
#72
 Anthracene
 Concen: 12.391 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF110477.D
 Acq: 5 Nov 2018 20:45

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-110218-F

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.2
179	16.0	12.6	18.8

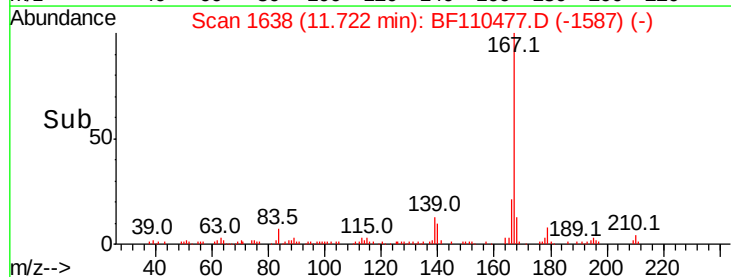
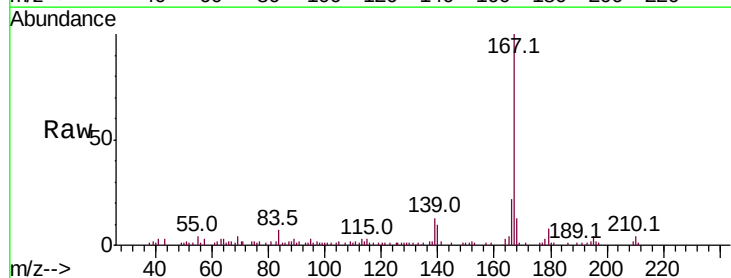
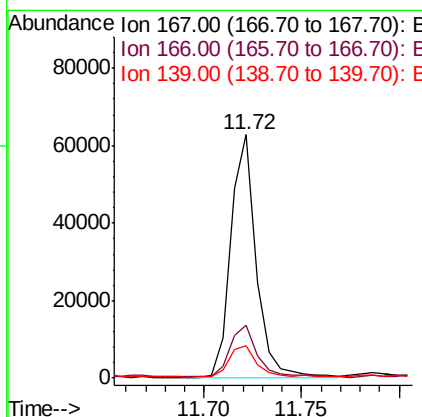
Manual Integrations
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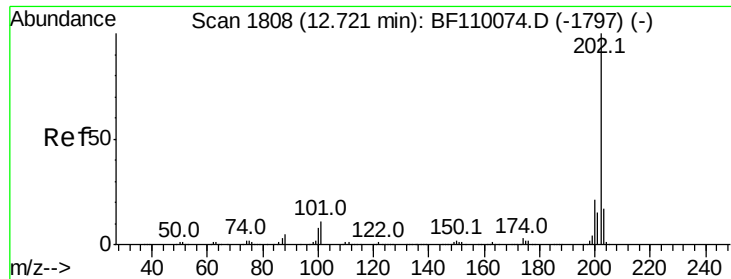
Sohil
 11/6/2018 9:01:18 AM



#73
 Carbazole
 Concen: 4.358 ng
 RT: 11.72 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: BF110477.D
 Acq: 5 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.0
139	13.1	10.9	16.3





#75

Fluoranthene

Concen: 61.104 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.00 min

Lab File: BF110477.D

Acq: 5 Nov 2018 20:45

Instrument :

BNA_F

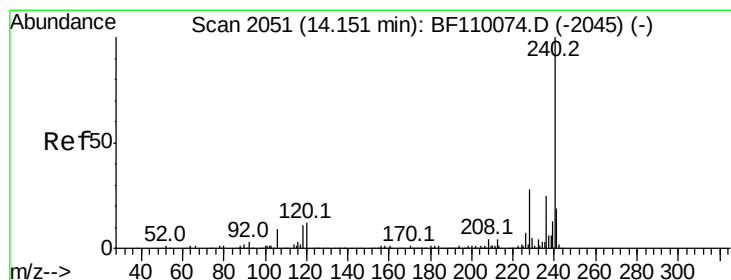
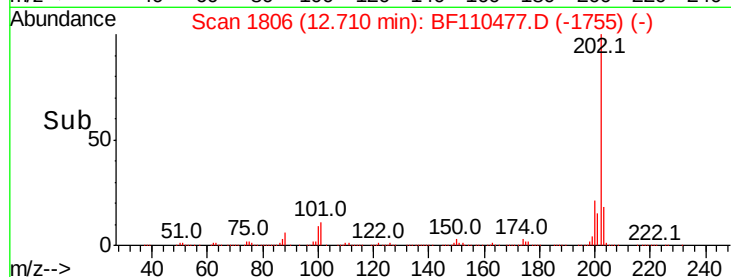
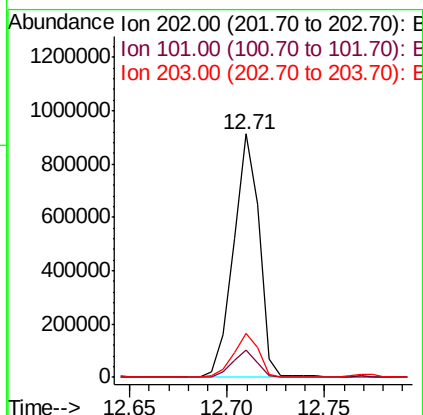
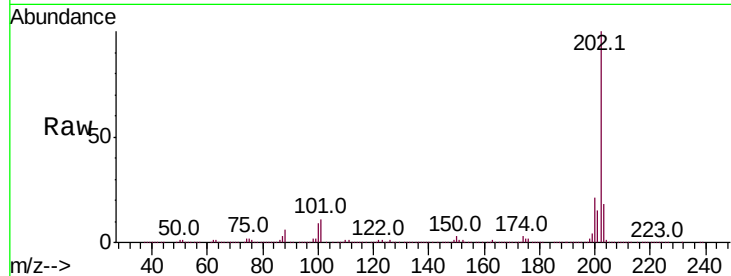
ClientSampleId :

JC-03-110218-F

Tot Ion	Ratio	Resp	Lower	Upper
202	100	829243		
101	11.2	0.0	31.4	
203	18.0	0.0	37.7	

Manual Integrations
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Sohil
11/6/2018 9:01:18 AM



#76

Chrysene-d12

Concen: 20.000 ng

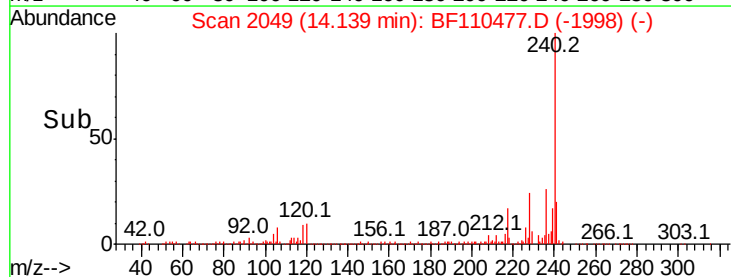
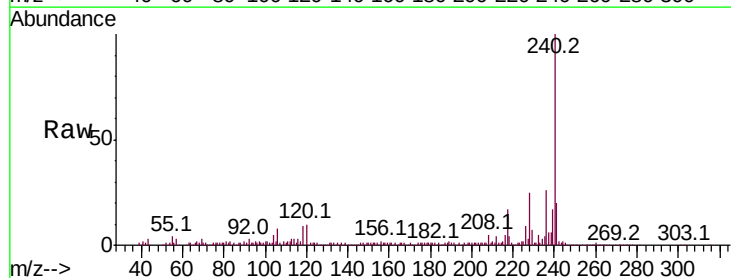
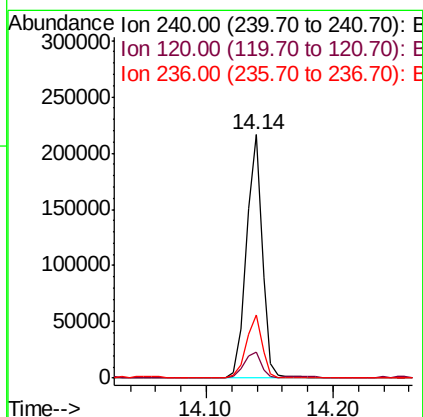
RT: 14.14 min Scan# 2049

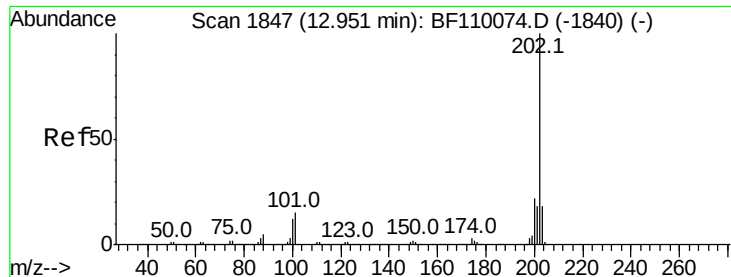
Delta R.T. 0.00 min

Lab File: BF110477.D

Acq: 5 Nov 2018 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	187171		
120	10.4	8.3	12.5	
236	26.2	21.2	31.8	





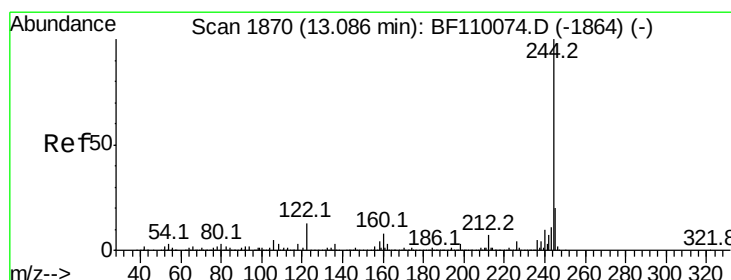
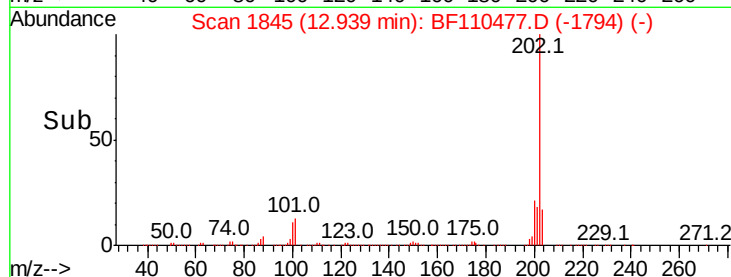
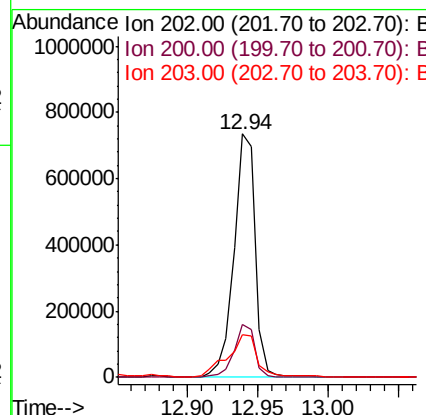
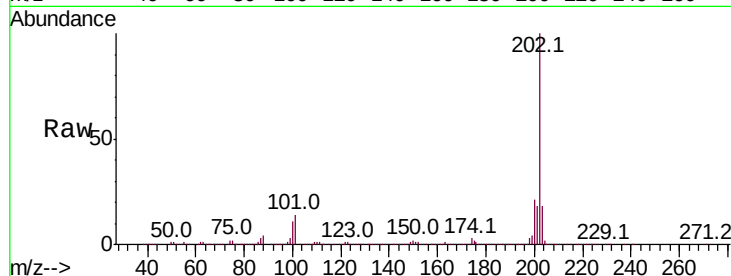
#78
Pvrene
Concen: 57.269 ng
RT: 12.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

Instrument :
BNA_F
ClientSampleId :
JC-03-110218-F

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.8	26.6
203	17.7	14.2	21.4

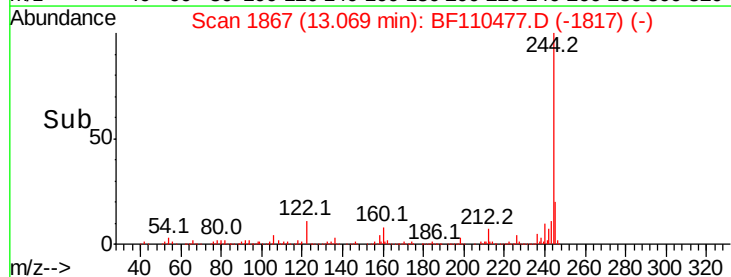
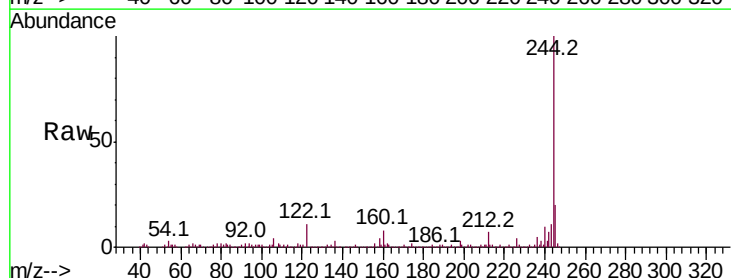
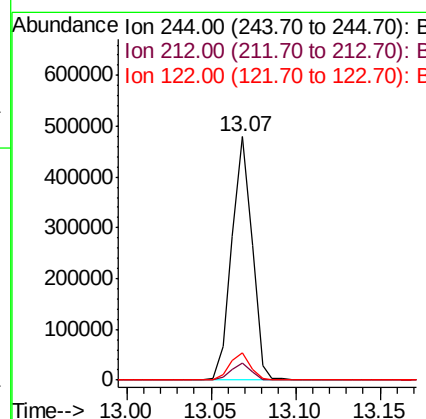
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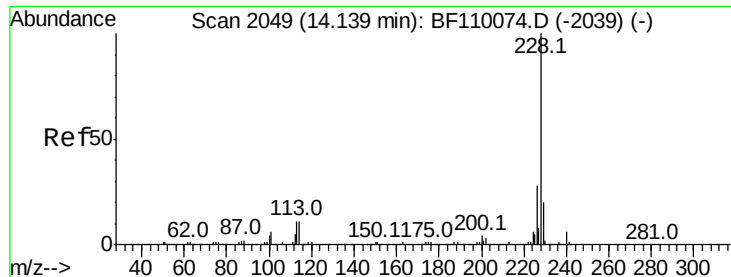
Sohil
11/6/2018 9:01:18 AM



#79
Terphenyl-d14
Concen: 44.574 ng
RT: 13.07 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	11.3	8.7	13.1





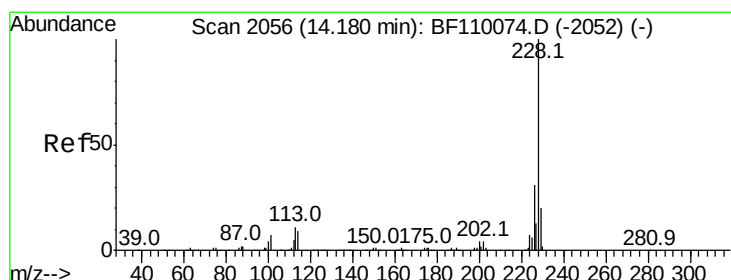
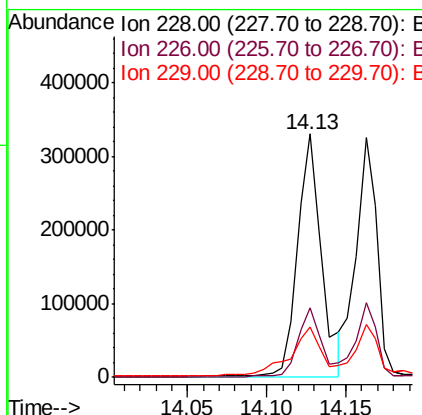
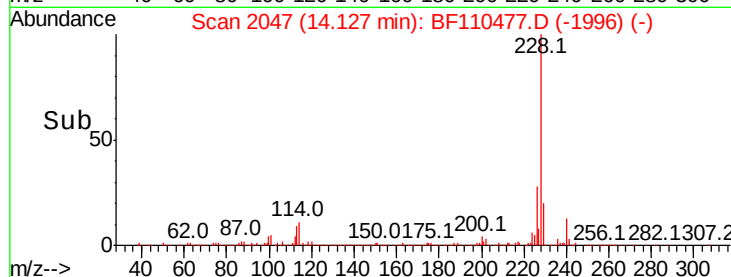
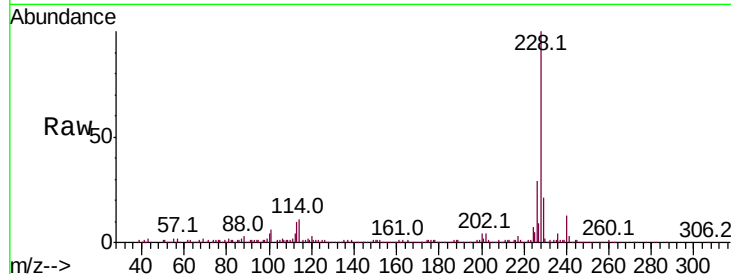
#81
Benzo(a)anthracene
Concen: 31.089 ng
RT: 14.13 min Scan# 2047
Delta R.T. 0.00 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

Instrument :
BNA_F
ClientSampleId :
JC-03-110218-F

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.1	33.1
229	20.5	15.6	23.4

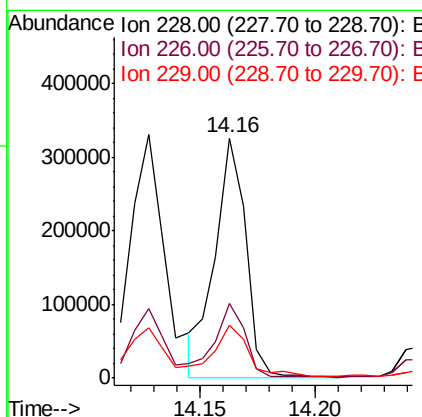
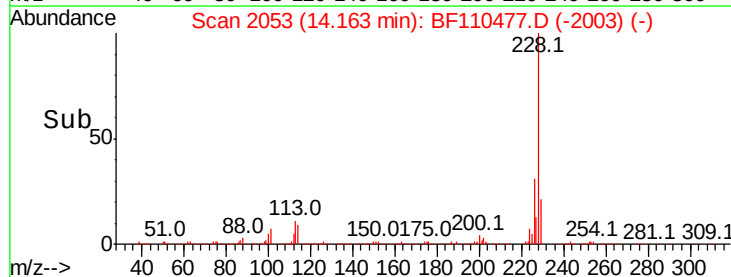
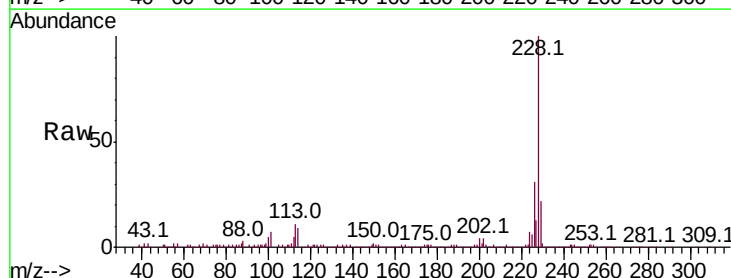
Manual Integrations
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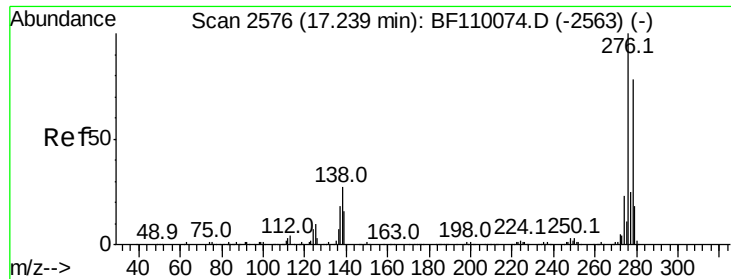
Sohil
11/6/2018 9:01:18 AM



#83
Chrysene
Concen: 28.496 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.7	37.1
229	22.2	15.9	23.9





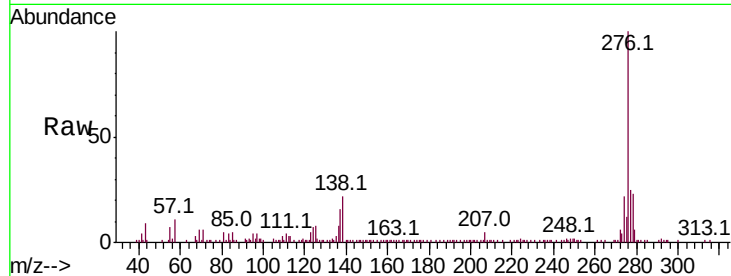
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 12.867 ng
 RT: 17.23 min Scan# 2574
 Delta R.T. 0.00 min
 Lab File: BF110477.D
 Acq: 5 Nov 2018 20:45

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-110218-F

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.9	18.5	27.7
277	24.5	20.0	30.0

Manual Integrations
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Sohil
 11/6/2018 9:01:18 AM

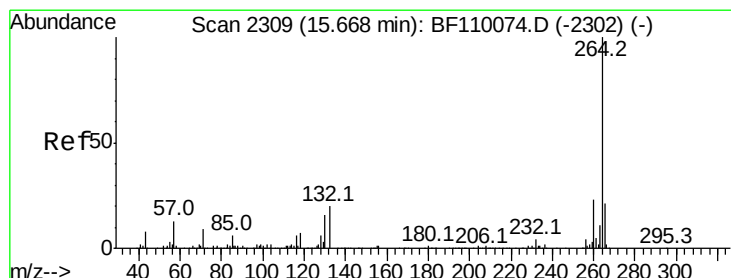
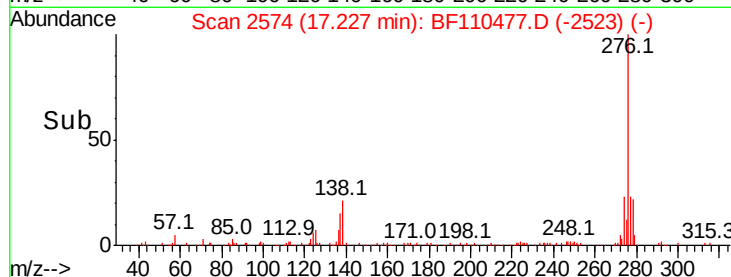
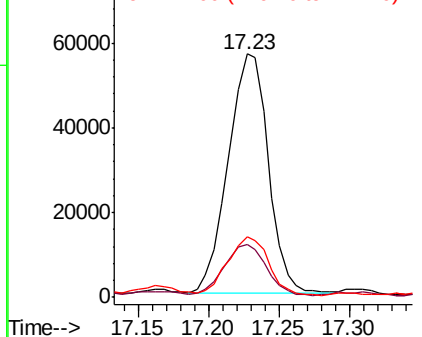


Abundance

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



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2308
 Delta R.T. 0.01 min
 Lab File: BF110477.D
 Acq: 5 Nov 2018 20:45

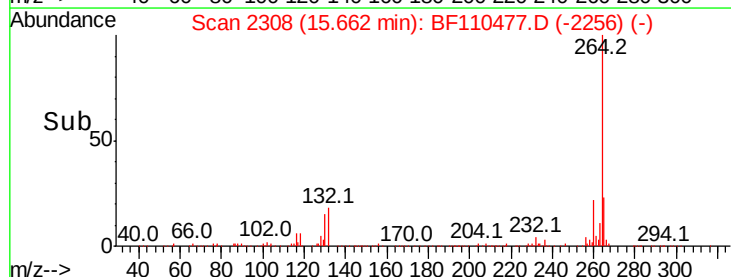
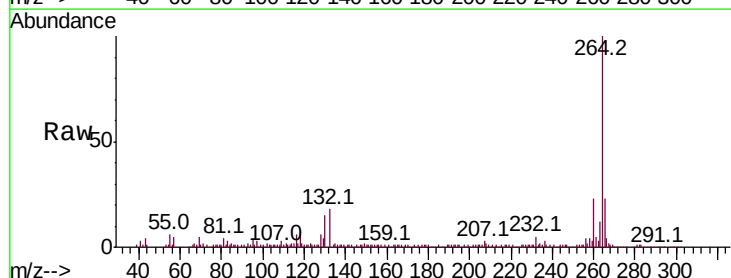
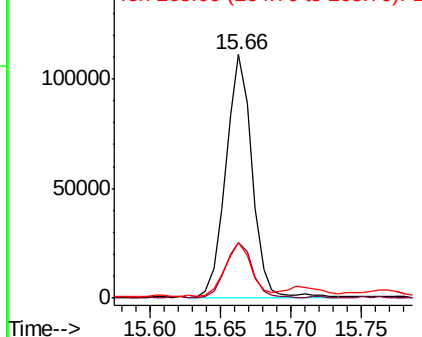
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	23.0	16.7	25.1

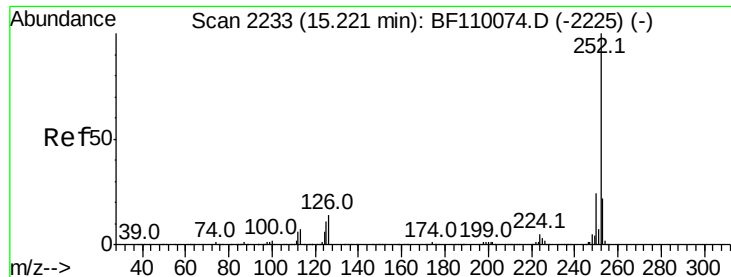
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





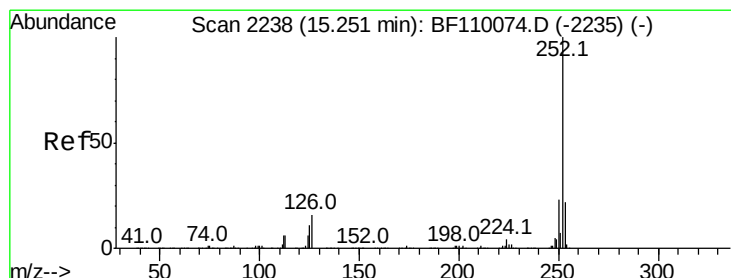
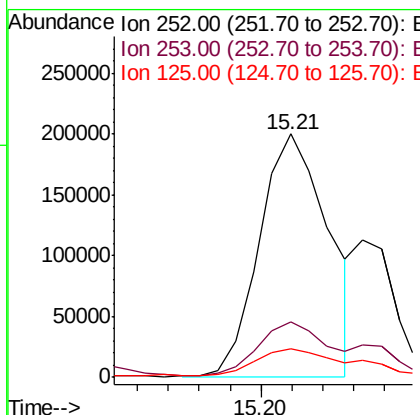
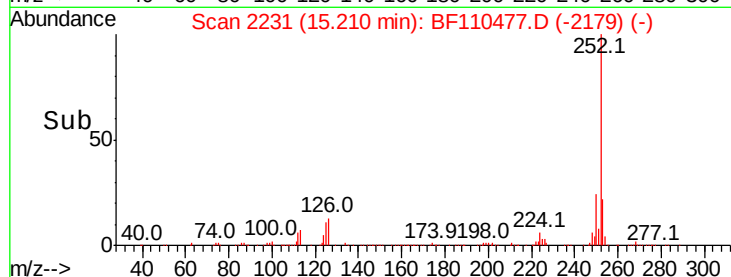
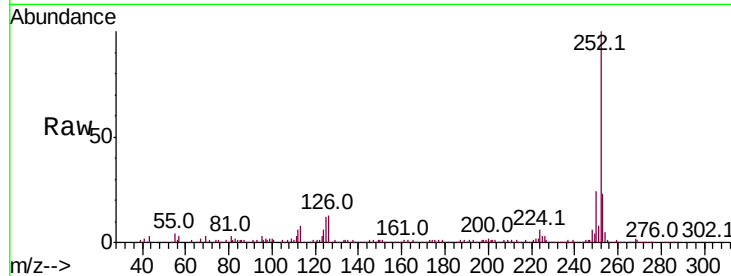
#88
Benzo(b)fluoranthene
Concen: 37.873 ng m
RT: 15.21 min Scan# 2231
Delta R.T. 0.01 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

Instrument :
BNA_F
ClientSampleId :
JC-03-110218-F

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	11.9	8.2	12.4

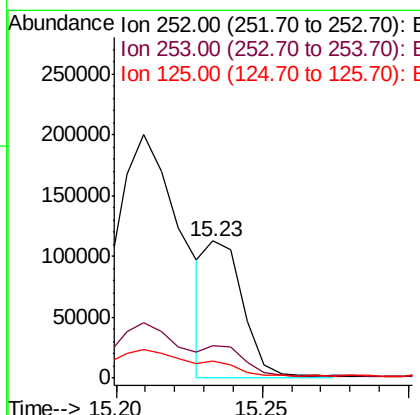
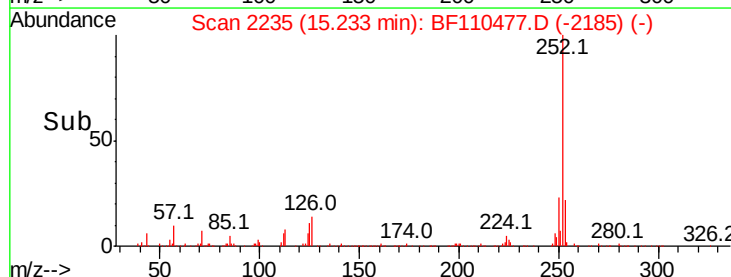
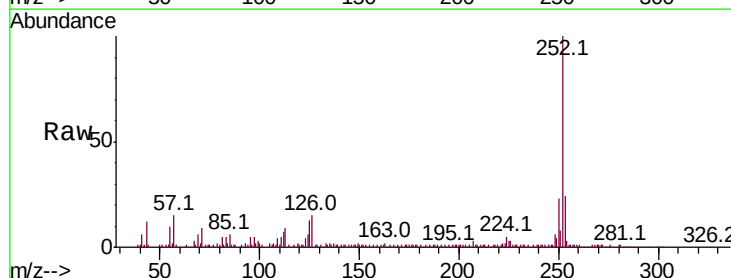
Manual Integrations
APPROVED

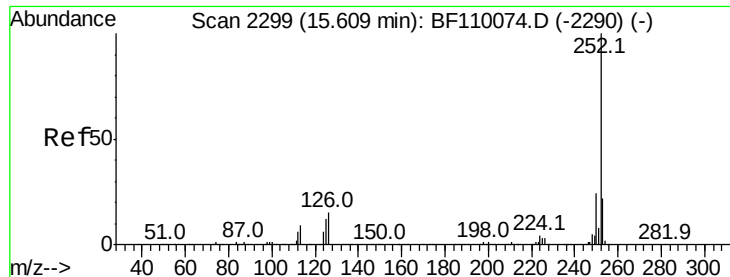
Sohil
11/6/2018 9:01:18 AM



#89
Benzo(k)fluoranthene
Concen: 12.506 ng m
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.2	25.8
125	12.8	7.4	11.0





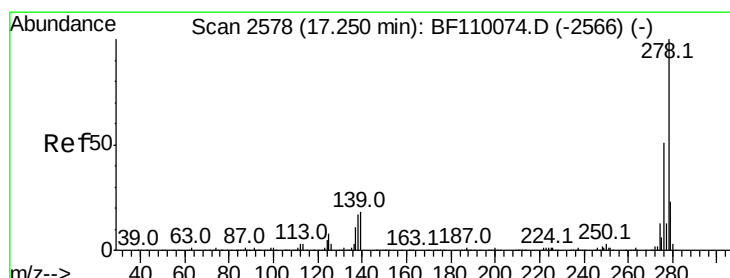
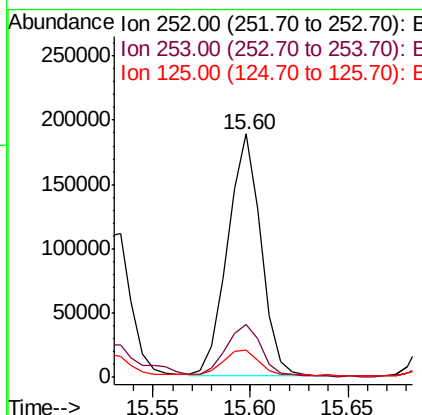
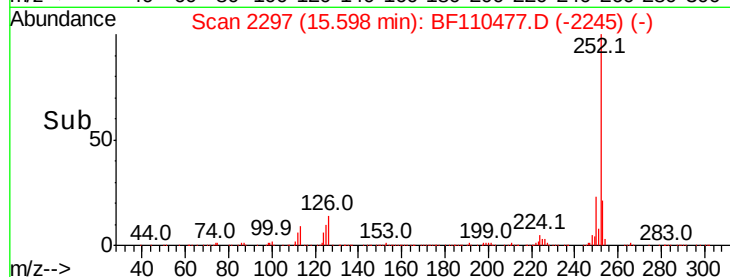
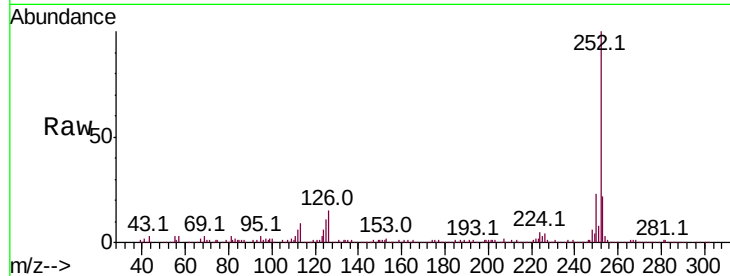
#90
Benzo(a)pyrene
Concen: 29.662 ng
RT: 15.60 min Scan# 2297
Delta R.T. 0.01 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

Instrument :
BNA_F
ClientSampleId :
JC-03-110218-F

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.4
125	11.3	9.0	13.6

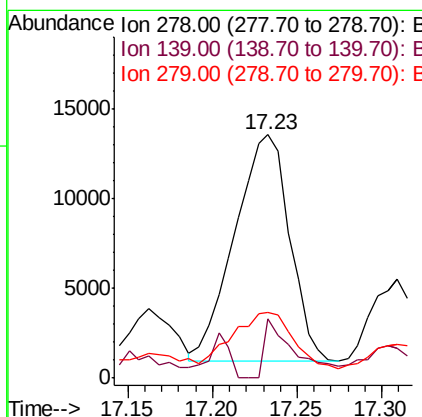
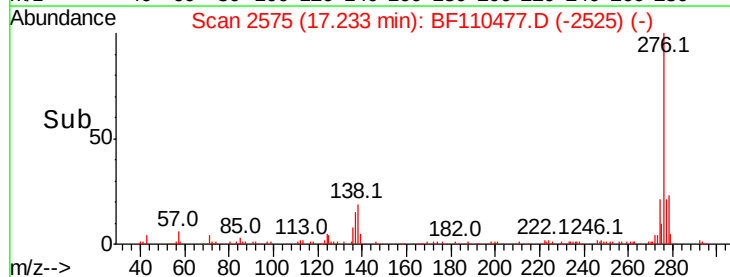
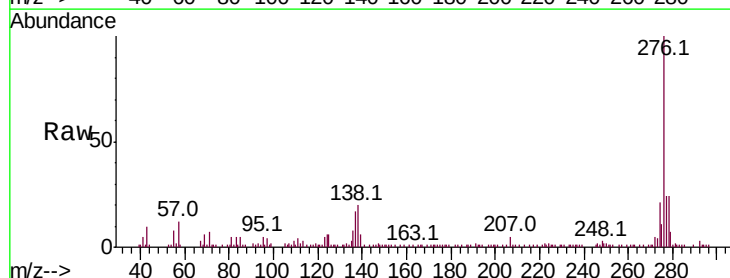
Manual Integrations
APPROVED

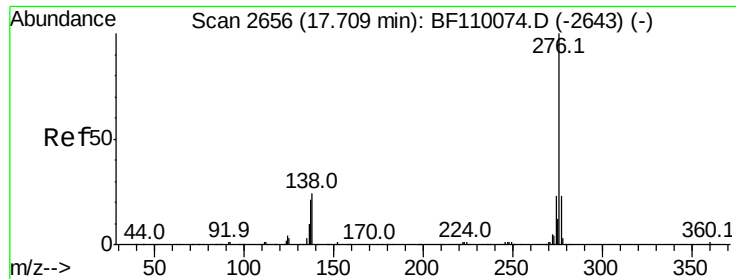
Sohil
11/6/2018 9:01:18 AM



#91
Dibenzo(a,h)anthracene
Concen: 4.358 ng
RT: 17.23 min Scan# 2575
Delta R.T. -0.01 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.1	12.7	19.1#
279	27.1	19.0	28.4





#92
 Benzo(a,h,i)perylene
 Concen: 17.027 ng
 RT: 17.71 min Scan# 2656
 Delta R.T. 0.01 min
 Lab File: BF110477.D
 Acq: 5 Nov 2018 20:45

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-110218-F

Tot Ion	Ratio	Resp	Lower	Upper
276	100			
277	24.4	18.8	28.2	
138	22.6	16.0	24.0	

Manual Integrations
 APPROVED

Sohil
 11/6/2018 9:01:18 AM

