

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071819\
 Data File : BF115652.D
 Acq On : 18 Jul 2019 17:24
 Operator : HP/JU
 Sample : K3875-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 HJDC-S3

Manual Integrations
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Quant Time: Jul 19 07:48:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	163013	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	633782	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	287280	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	460548	20.00	ng	-0.01
76) Chrysene-d12	14.04	240	338919	20.00	ng	-0.01
87) Perylene-d12	15.51	264	386238	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1034719	103.83	ng	0.00
7) Phenol-d6	6.52	99	1345370	106.39	ng	0.00
23) Nitrobenzene-d5	7.44	82	836597	76.75	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	313681	93.55	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	1097464	66.86	ng	-0.01
79) Terphenyl-d14	12.98	244	866297	47.16	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.19	128	283307	9.230	ng	96
37) 2-Methylnaphthalene	8.87	142	89735	4.410	ng	96
38) 1-Methylnaphthalene	8.97	142	74421	3.851	ng	98
50) Dimethylphthalate	9.63	163	233815	10.818	ng	# 97
52) Acenaphthene	9.95	154	143729	8.034	ng	98
55) Dibenzofuran	10.12	168	177325	6.980	ng	96
58) Fluorene	10.46	166	208584	11.484	ng	100
71) Phenanthrene	11.43	178	1624574	68.817	ng	98
72) Anthracene	11.47	178	410666	16.832	ng	99
73) Carbazole	11.63	167	208591	9.750	ng	98
75) Fluoranthene	12.62	202	1758562	70.493	ng	98
78) Pyrene	12.85	202	1591299	55.418	ng	98
81) Benzo(a)anthracene	14.03	228	917213	41.079	ng	100
83) Chrysene	14.06	228	836050	37.300	ng	96
84) Bis(2-ethylhexyl)phthalate	14.01	149	39583	2.611	ng	97
86) Indeno(1,2,3-cd)pyrene	16.98	276	364736	19.154	ng	95
88) Benzo(b)fluoranthene	15.08	252	982165m	39.491	ng	
89) Benzo(k)fluoranthene	15.10	252	330383m	14.900	ng	
90) Benzo(a)pyrene	15.44	252	661567	30.949	ng	96
91) Dibenzo(a,h)anthracene	16.99	278	104918	5.591	ng	# 92
92) Benzo(g,h,i)perylene	17.43	276	309026	16.512	ng	98

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

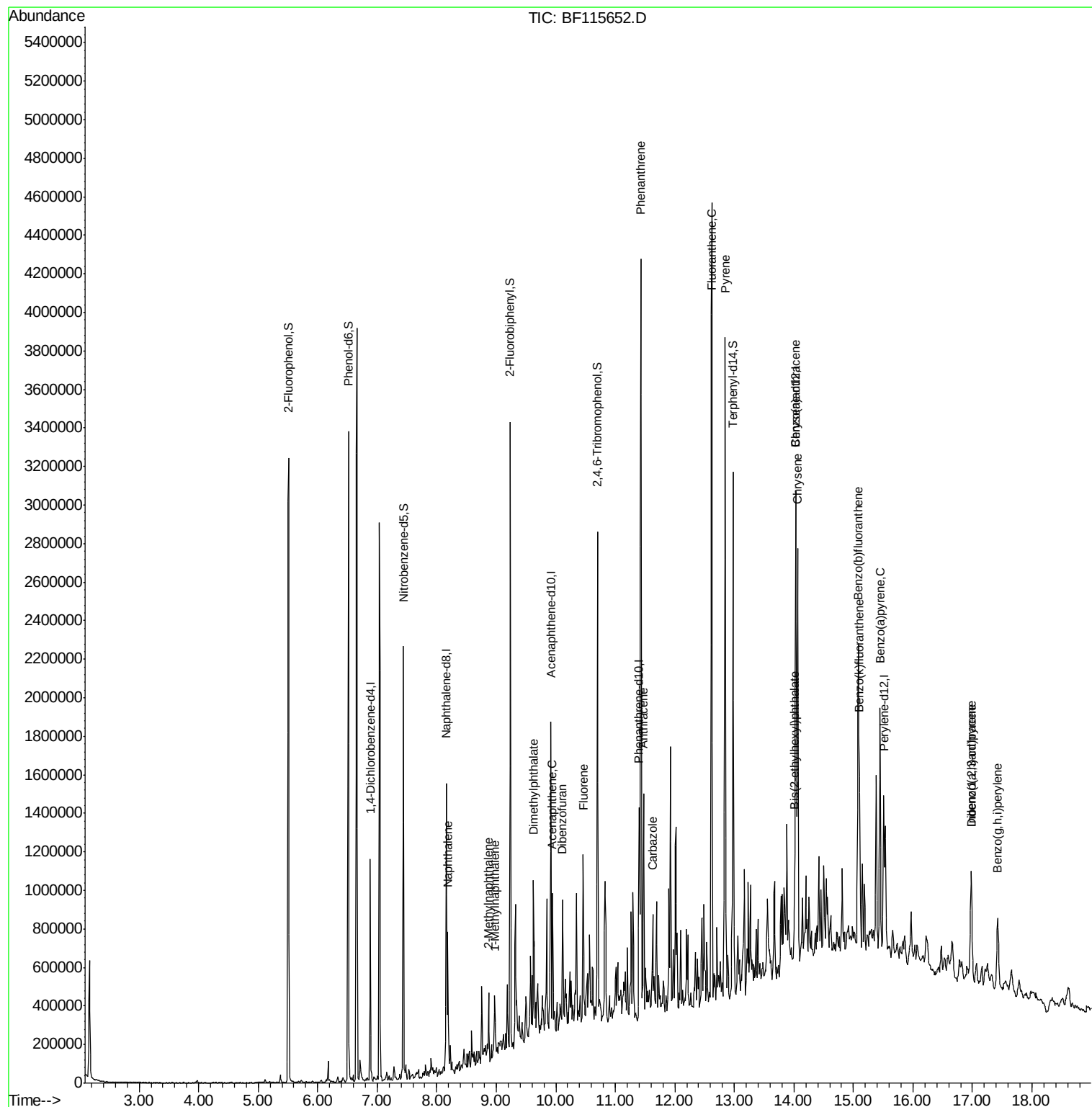
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071819\
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Misc :
ALS Vial : 13 Sample Multiplier: 1

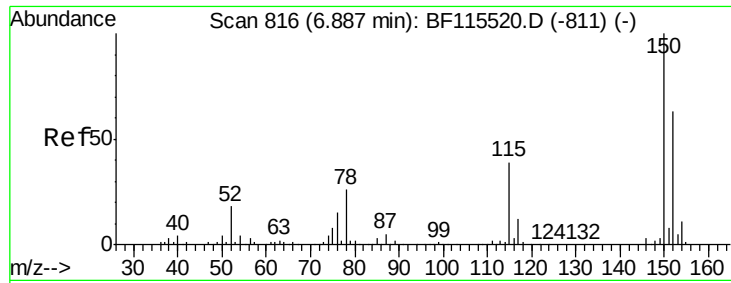
Instrument :
BNA_F
ClientSampled :
HJDC-S3

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Quant Time: Jul 19 07:48:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 14:03:52 2019
Response via : Initial Calibration





#1

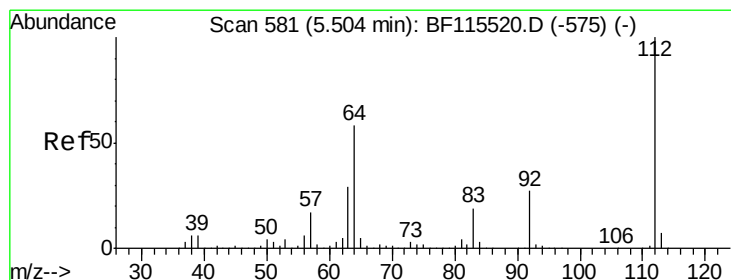
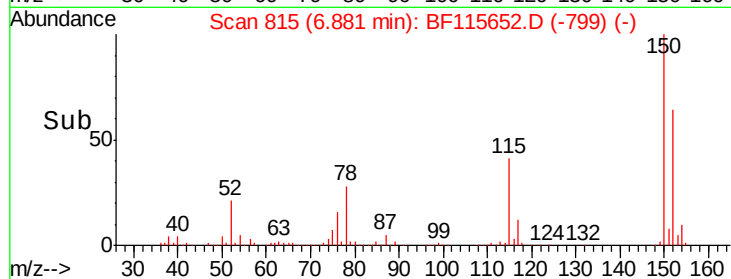
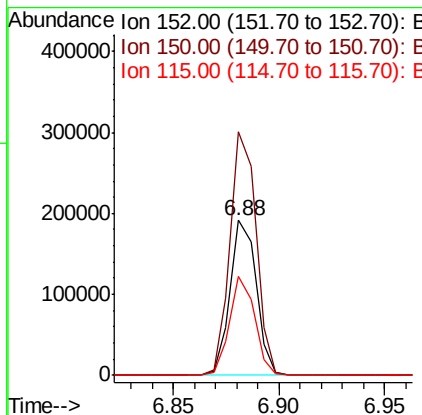
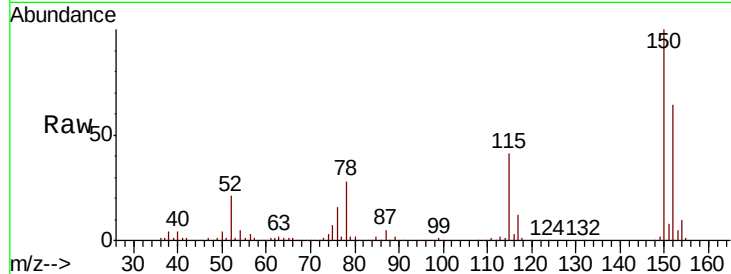
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115652.D
Acq: 18 Jul 2019 17:24

Instrument :
BNA_F
ClientSampleId :
HJDC-S3

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	129.7	194.5
115	64.0	48.2	72.4

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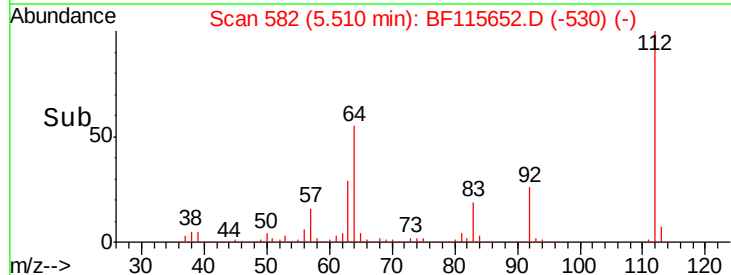
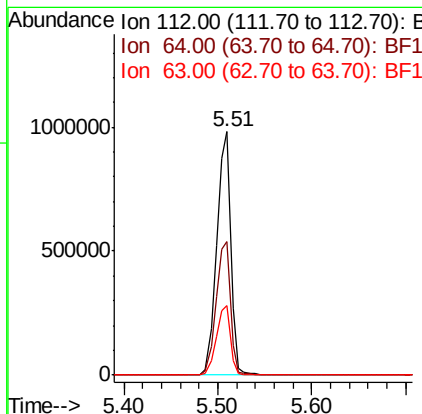
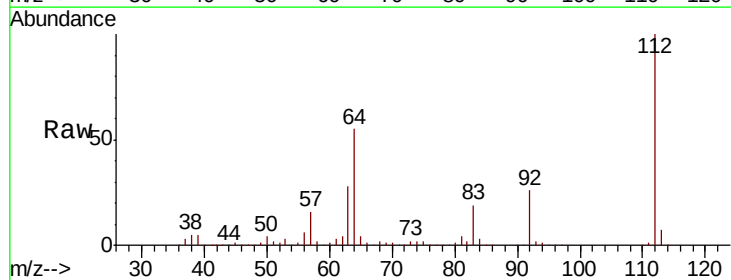
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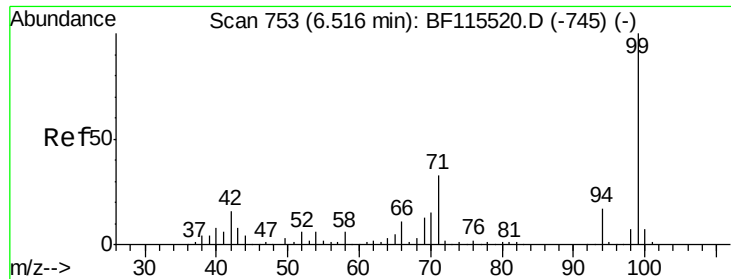


#5

2-Fluorophenol
Concen: 103.826 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF115652.D
Acq: 18 Jul 2019 17:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	46.8	70.2
63	28.5	24.1	36.1





#7

Phenol-d6

Concen: 106.391 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF115652.D

Acq: 18 Jul 2019 17:24

Instrument :

BNA_F

ClientSampleId :

HJDC-S3

Tot Ion: 99 Resp: 1345370

Ion Ratio Lower Upper

99 100

42 16.1 13.6 20.4

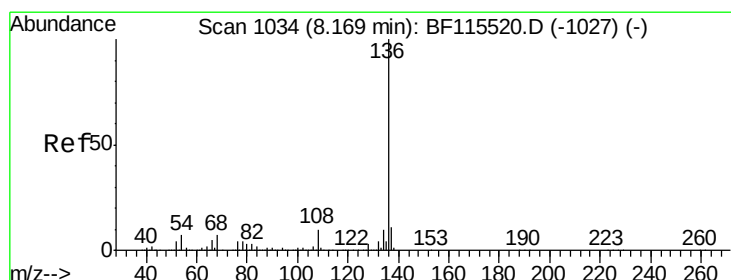
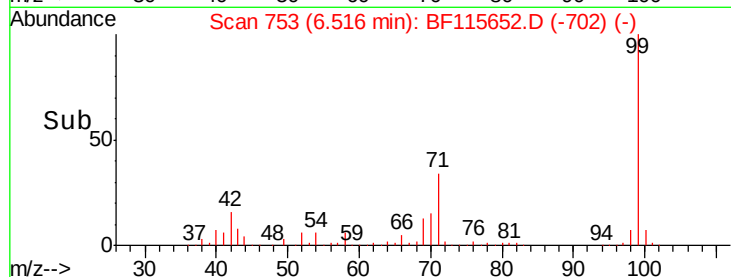
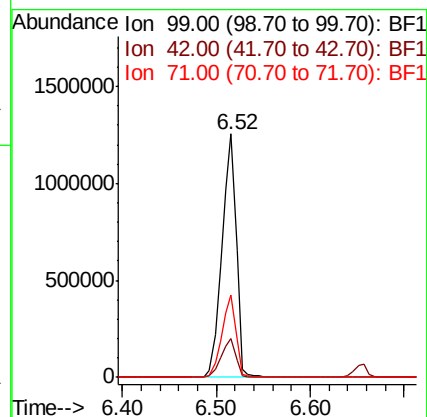
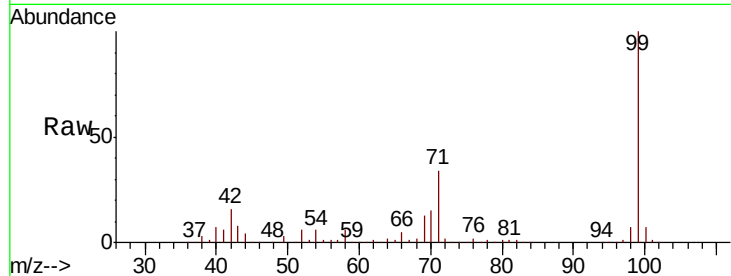
71 33.8 28.5 42.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115652.D

Acq: 18 Jul 2019 17:24

Tgt Ion: 136 Resp: 633782

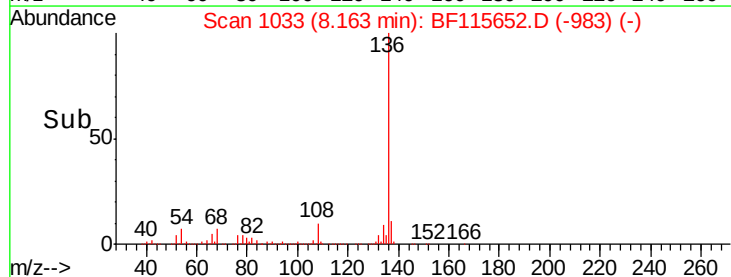
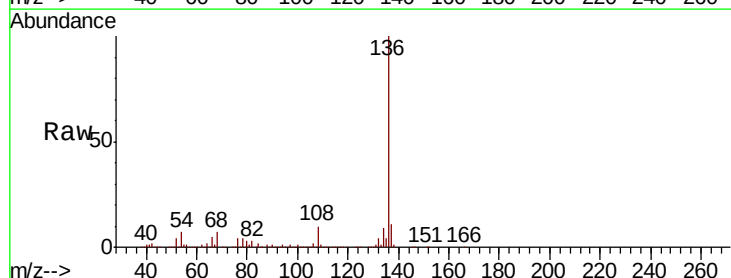
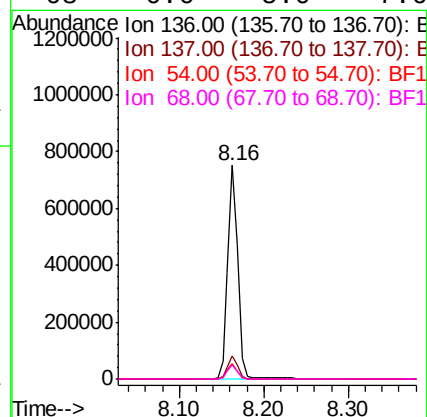
Ion Ratio Lower Upper

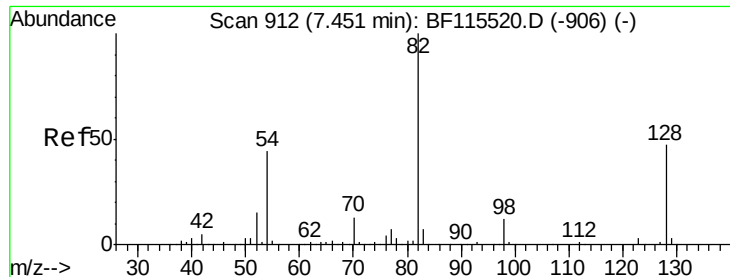
136 100

137 11.1 9.0 13.4

54 7.1 5.6 8.4

68 6.6 5.0 7.6





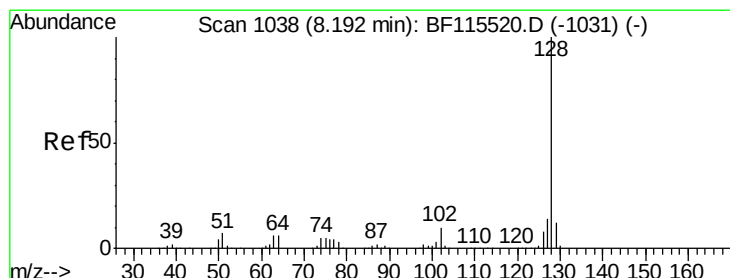
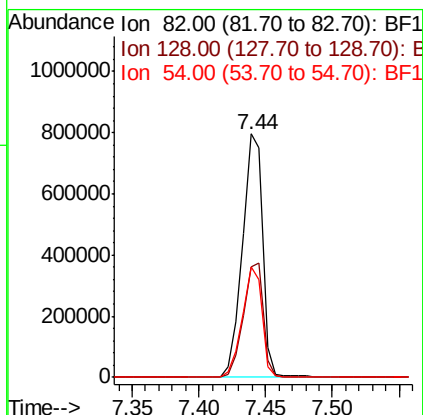
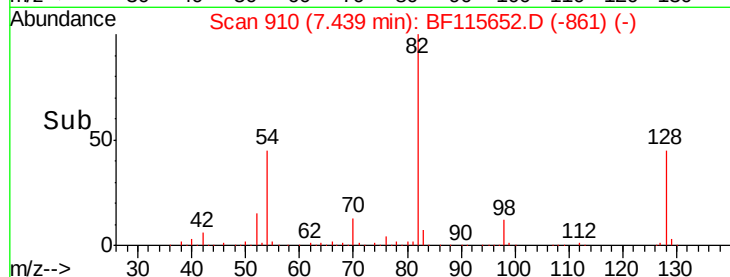
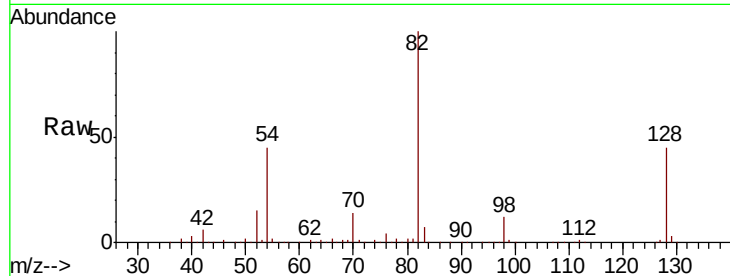
#23
Nitrobenzene-d5
Concen: 76.754 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115652.D
Acq: 18 Jul 2019 17:24

Instrument :
BNA_F
ClientSampled :
HJDC-S3

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.4	38.6	57.8
54	45.3	35.6	53.4

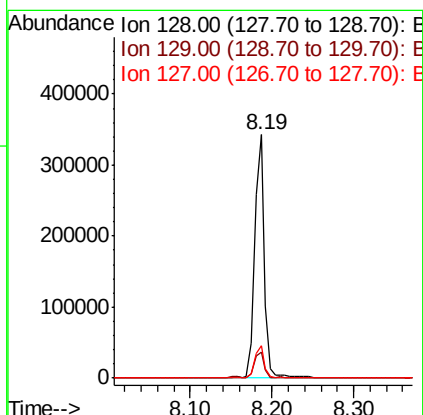
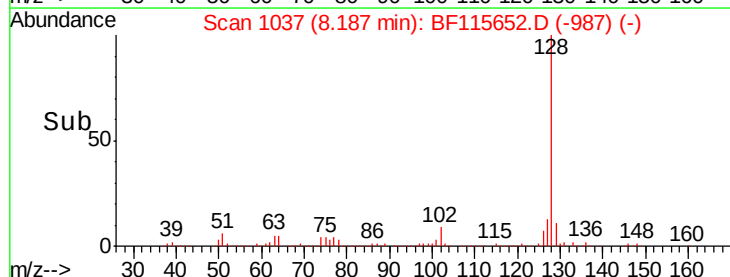
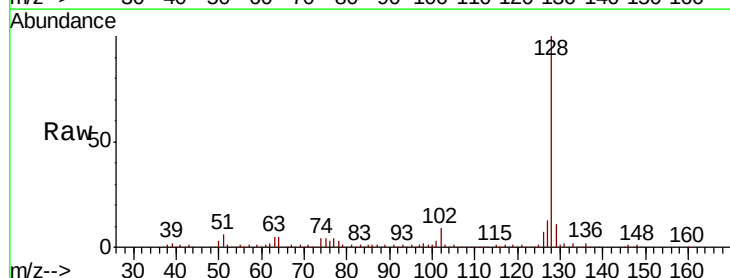
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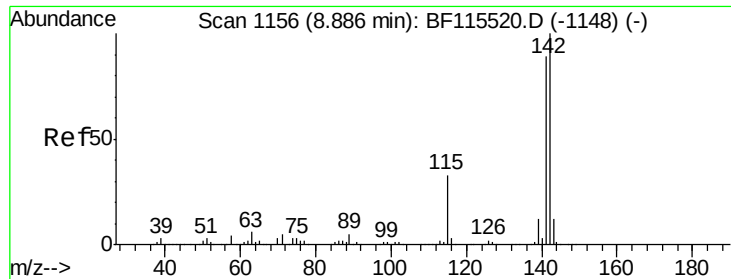
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#31
Naphthalene
Concen: 9.230 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF115652.D
Acq: 18 Jul 2019 17:24

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.9	14.9
127	13.2	12.1	18.1





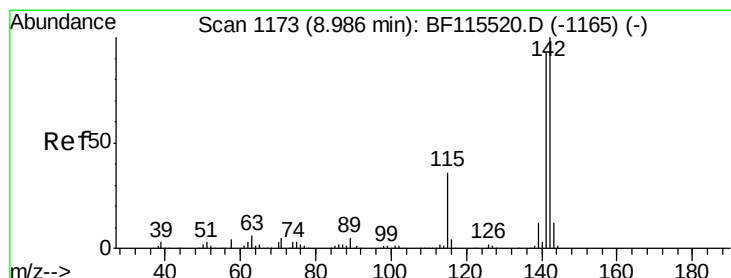
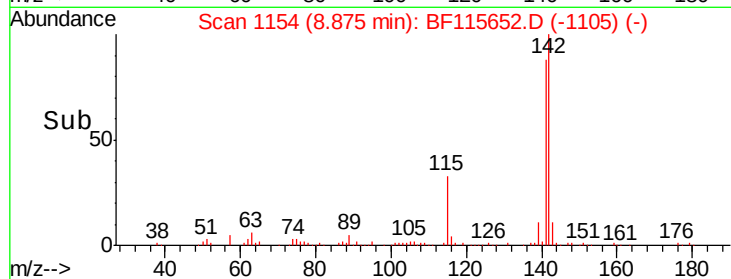
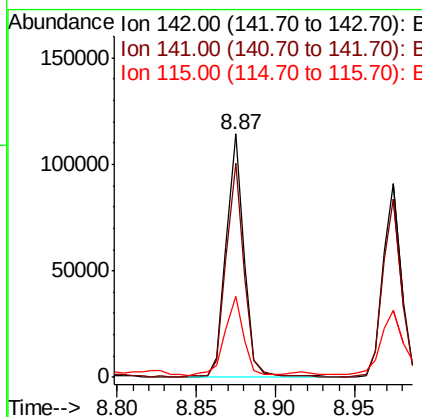
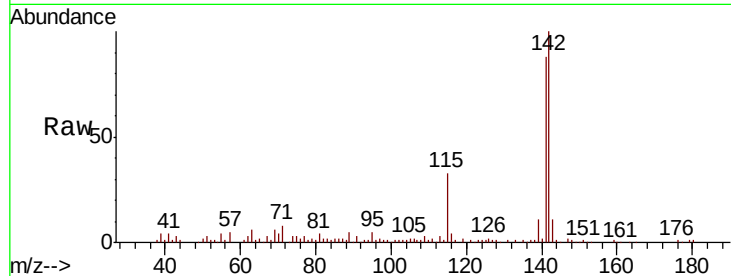
#37
2-Methylnaphthalene
Concen: 4.410 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF115652.D
Acq: 18 Jul 2019 17:24

Instrument :
BNA_F
ClientSampleId :
HJDC-S3

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.9	72.0	108.0
115	33.1	29.9	44.9

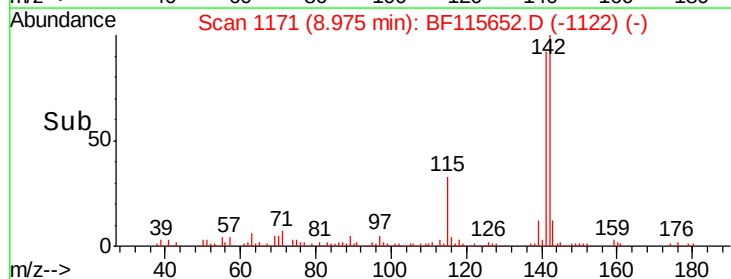
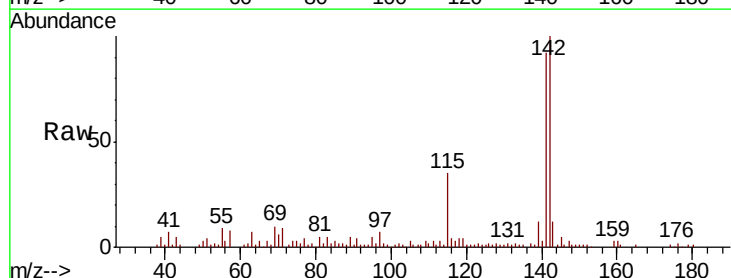
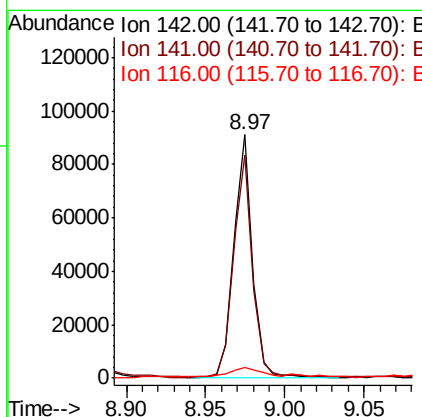
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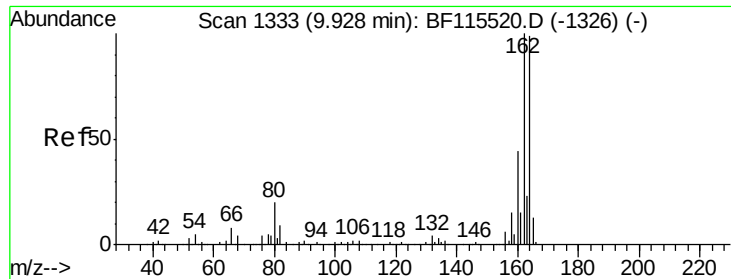
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#38
1-Methylnaphthalene
Concen: 3.851 ng
RT: 8.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF115652.D
Acq: 18 Jul 2019 17:24

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.9	75.3	112.9
116	4.5	3.3	4.9





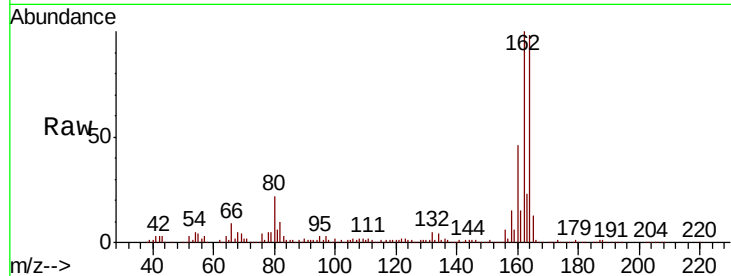
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF115652.D
Acq: 18 Jul 2019 17:24

Instrument :
BNA_F
ClientSampleId :
HJDC-S3

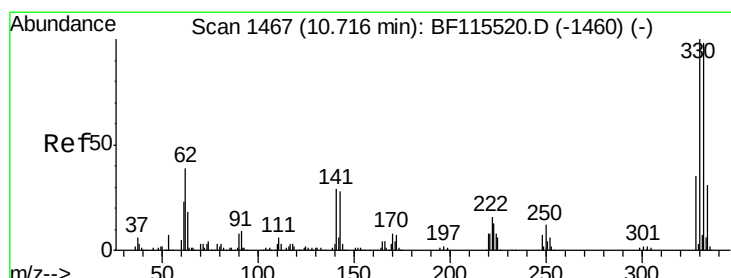
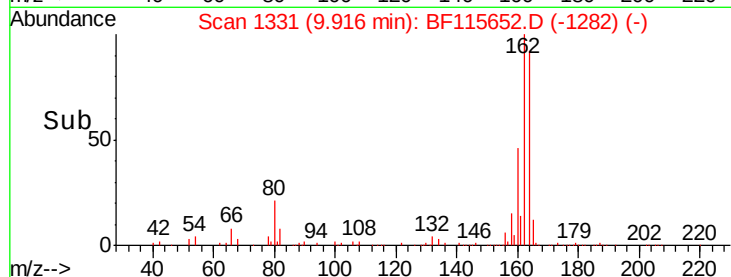
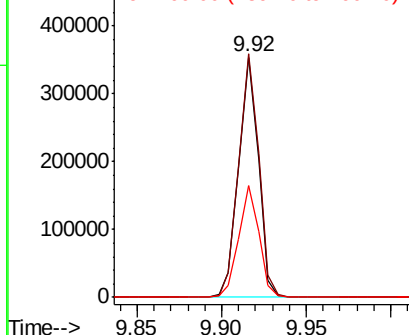
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.6	82.9	124.3	
160	46.5	36.8	55.2	

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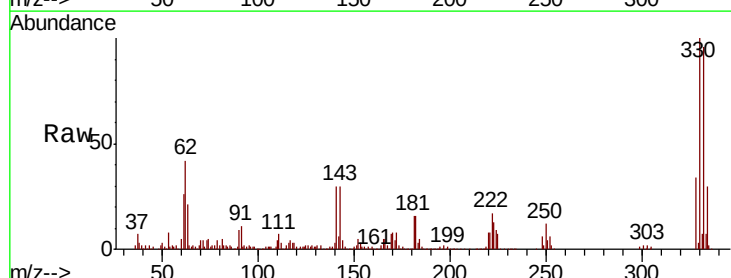


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

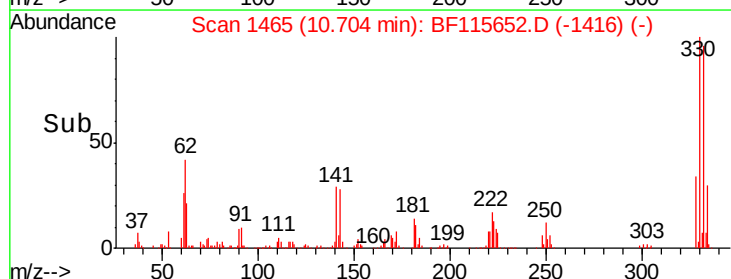
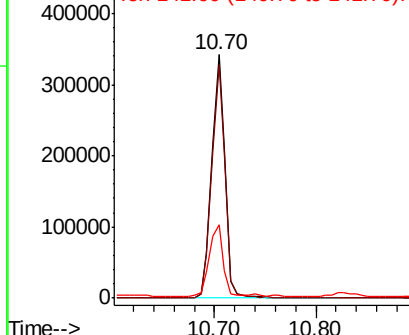


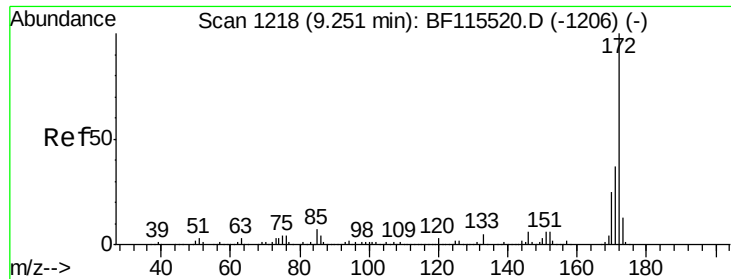
#42
2,4,6-Tribromophenol
Concen: 93.545 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF115652.D
Acq: 18 Jul 2019 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.9	77.4	116.2	
141	30.5	22.4	33.6	



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





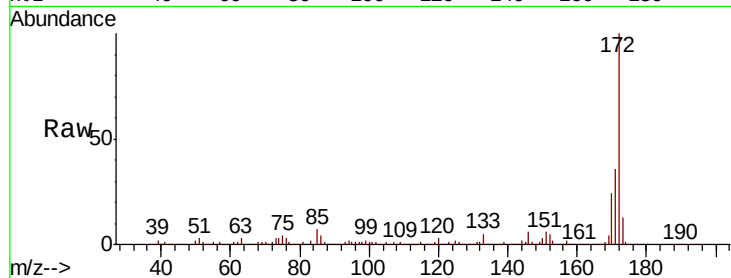
#45
2-Fluorobiphenyl
Concen: 66.864 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF115652.D
Acq: 18 Jul 2019 17:24

Instrument :
BNA_F
ClientSampleId :
HJDC-S3

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.6	46.0
170	24.3	20.5	30.7

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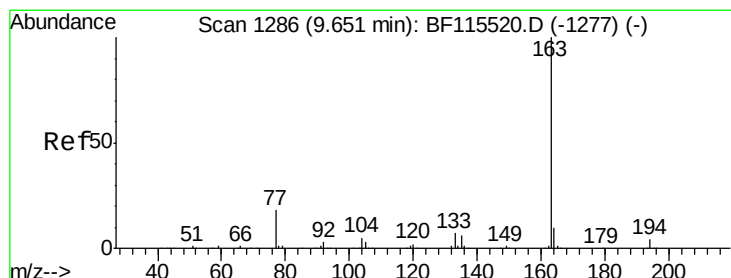
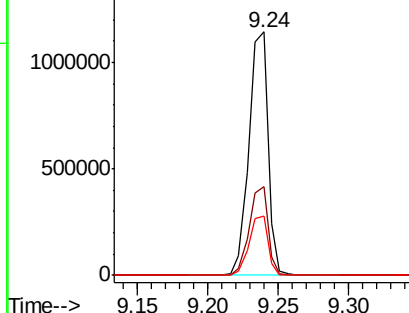
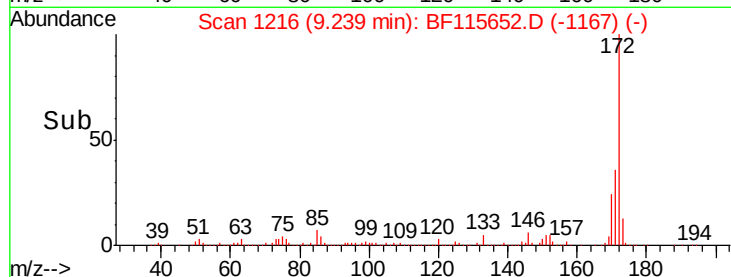


Abundance

Ion 172.00 (171.70 to 172.70): E

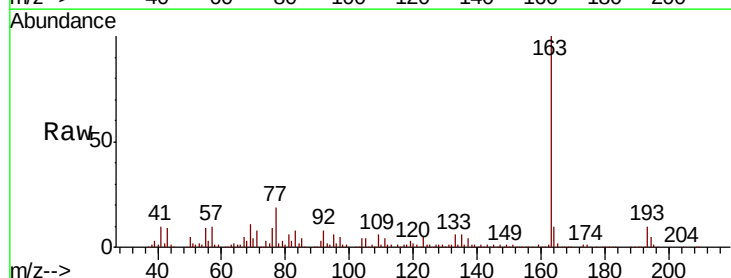
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 10.818 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF115652.D
Acq: 18 Jul 2019 17:24

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.2	3.3	4.9#
164	9.8	8.7	13.1

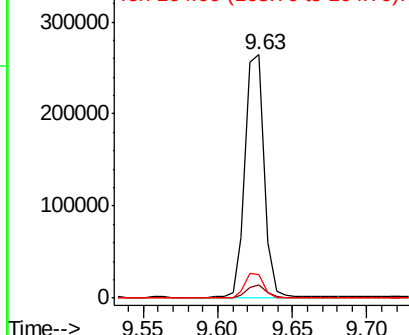
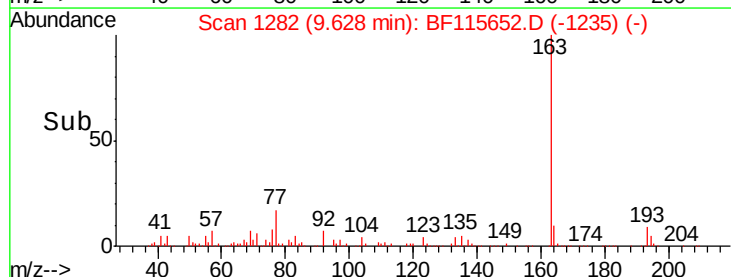


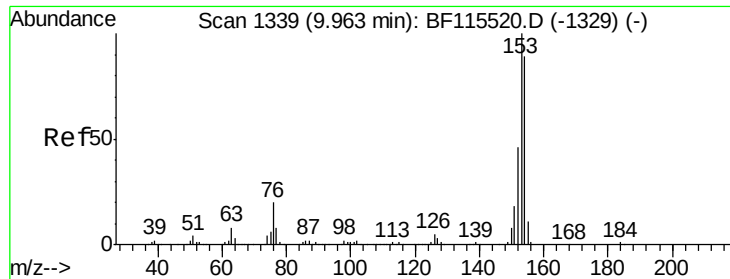
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 8.034 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.02 min

Lab File: BF115652.D

Acq: 18 Jul 2019 17:24

Instrument :

BNA_F

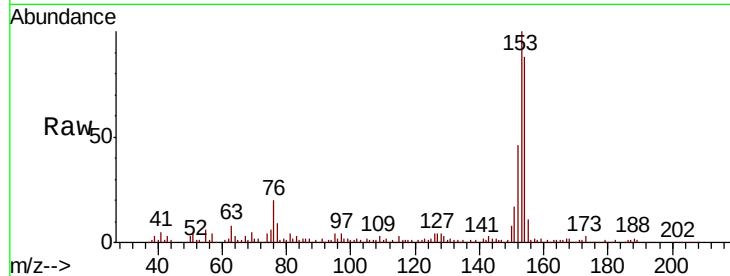
ClientSampleId :

HJDC-S3

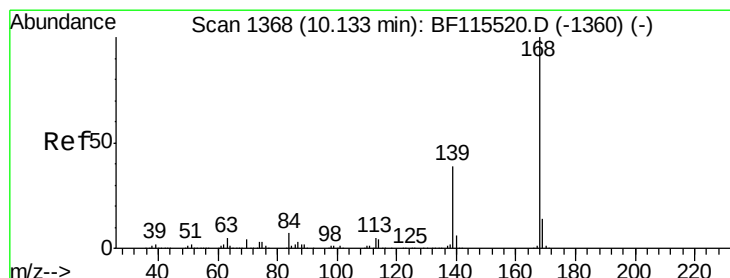
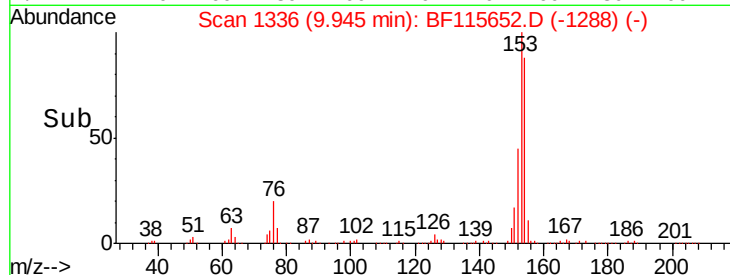
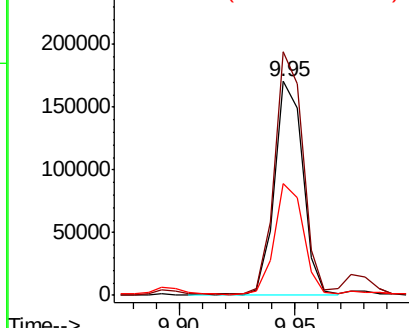
Tot Ion:	154	Resp:	143729
Ion Ratio	Lower	Upper	
154	100		
153	113.9	88.6	133.0
152	52.0	42.3	63.5

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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



#55

Dibenzofuran

Concen: 6.980 ng

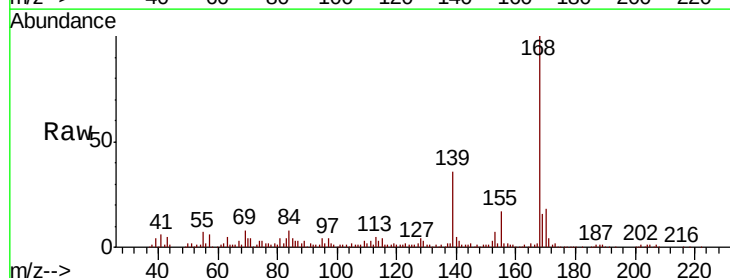
RT: 10.12 min Scan# 1366

Delta R.T. -0.01 min

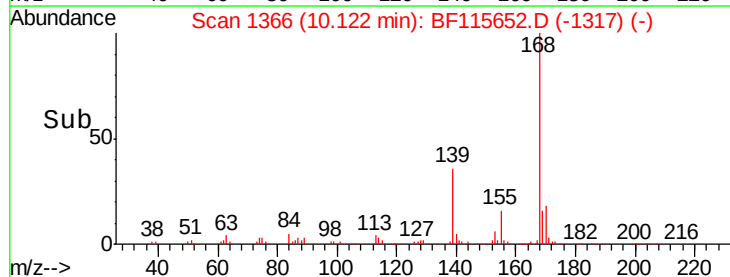
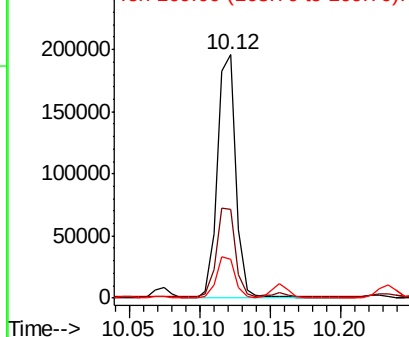
Lab File: BF115652.D

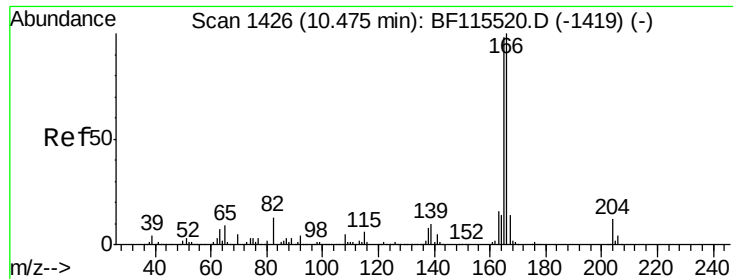
Acq: 18 Jul 2019 17:24

Tgt Ion:	168	Resp:	177325
Ion Ratio	Lower	Upper	
168	100		
139	36.4	31.1	46.7
169	15.8	11.1	16.7



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





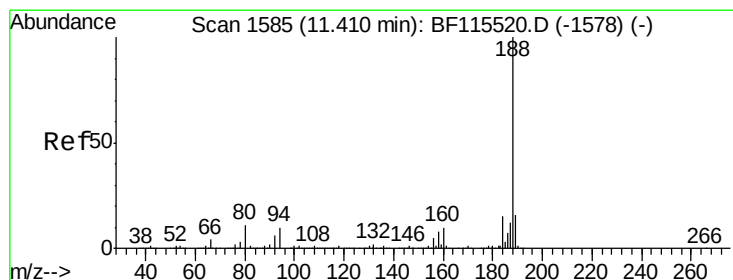
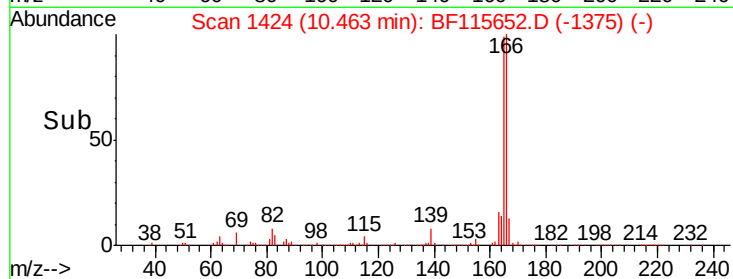
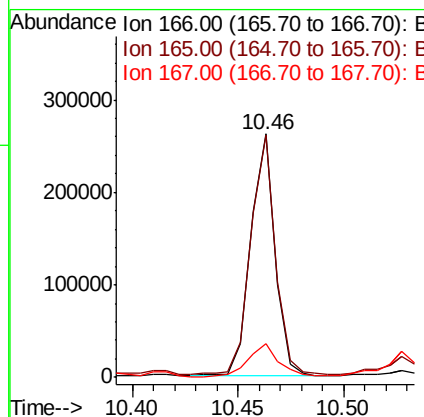
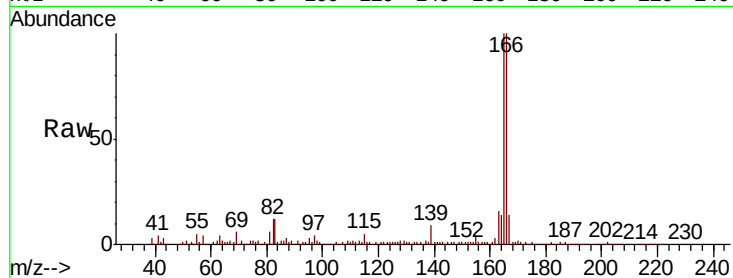
#58
 Fluorene
 Concen: 11.484 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF115652.D
 Acq: 18 Jul 2019 17:24

Instrument :
 BNA_F
 ClientSampleId :
 HJDC-S3

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.7	79.8	119.6
167	14.0	11.2	16.8

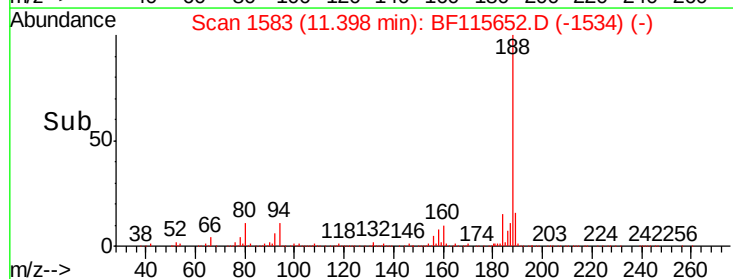
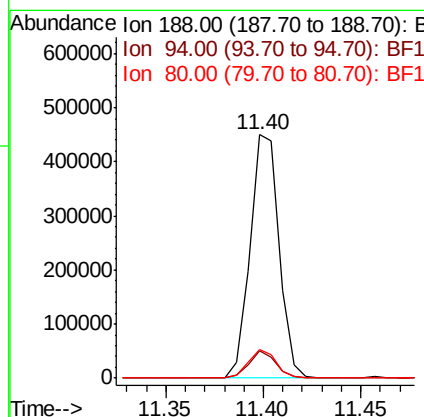
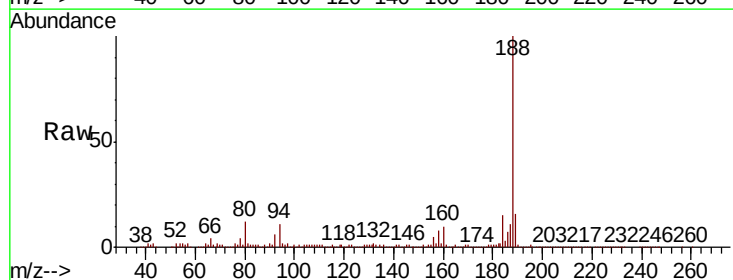
Manual Integrations
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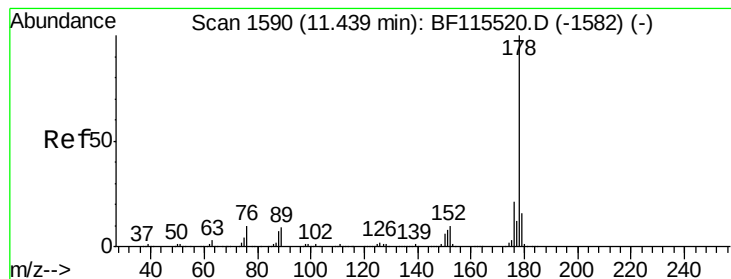
mohammad
 7/19/2019 3:58:31 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BF115652.D
 Acq: 18 Jul 2019 17:24

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.0	7.8	11.6
80	11.6	8.6	13.0





#71

Phenanthrene

Concen: 68.817 ng

RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF115652.D

Acq: 18 Jul 2019 17:24

Instrument :

BNA_F

ClientSampleId :

HJDC-S3

Tot Ion:178 Resp: 1624574

Ion Ratio Lower Upper

178 100

176 20.5 17.2 25.8

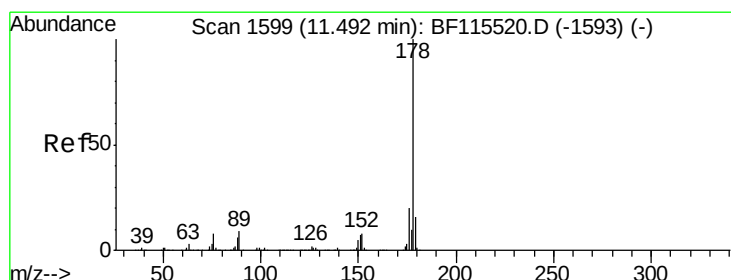
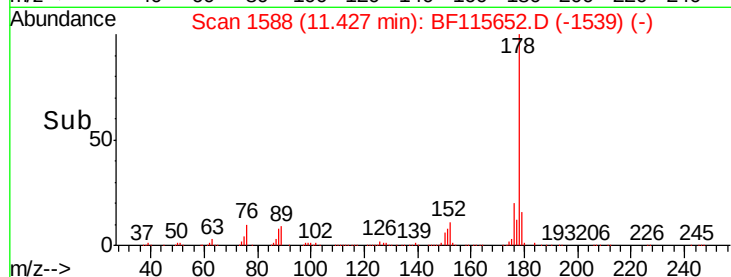
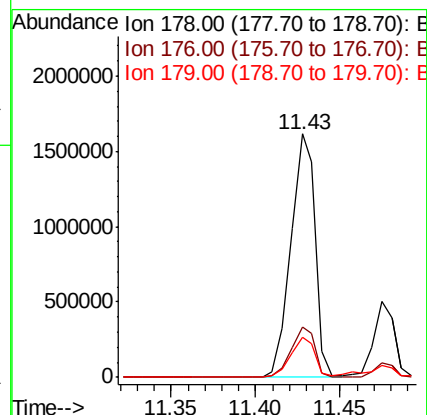
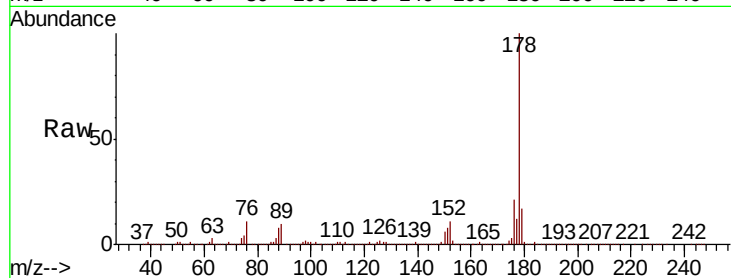
179 16.5 13.5 20.3

Manual Integrations

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#72

Anthracene

Concen: 16.832 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.02 min

Lab File: BF115652.D

Acq: 18 Jul 2019 17:24

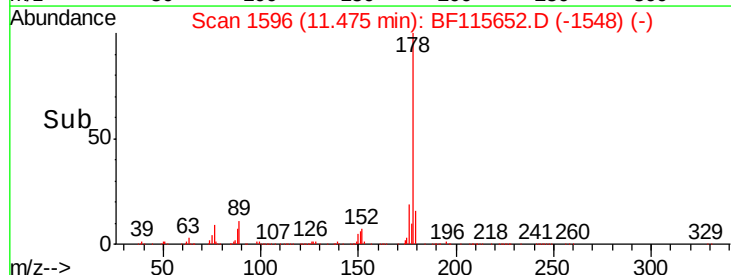
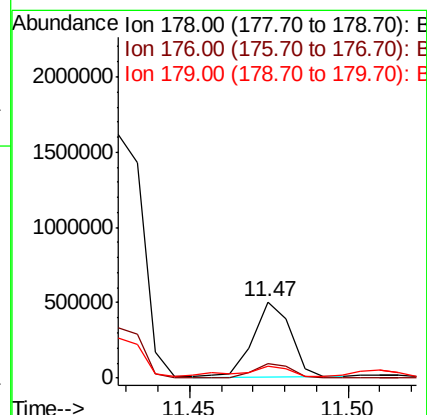
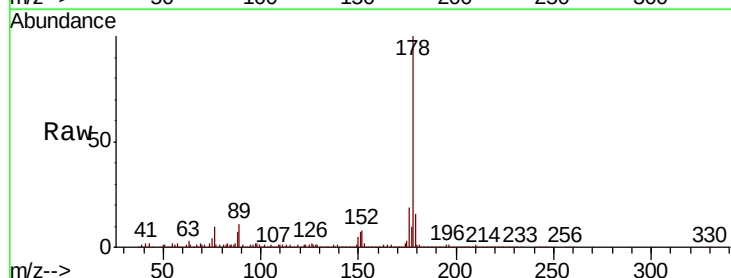
Tgt Ion:178 Resp: 410666

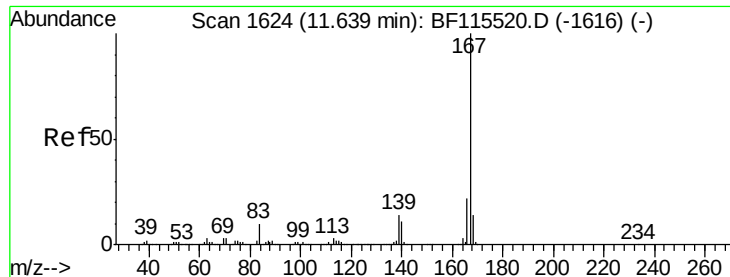
Ion Ratio Lower Upper

178 100

176 19.4 15.9 23.9

179 16.3 12.7 19.1





#73

Carbazole

Concen: 9.750 ng

RT: 11.63 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BF115652.D

Acq: 18 Jul 2019 17:24

Instrument :

BNA_F

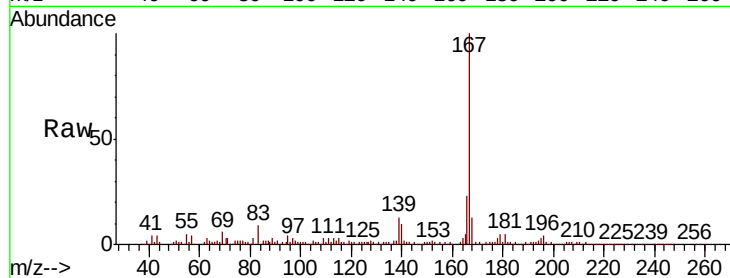
ClientSampleId :

HJDC-S3

Tot Ion:	167	Resp:	208591
Ion Ratio	Lower	Upper	
167	100		
166	22.8	18.1	27.1
139	12.5	11.3	16.9

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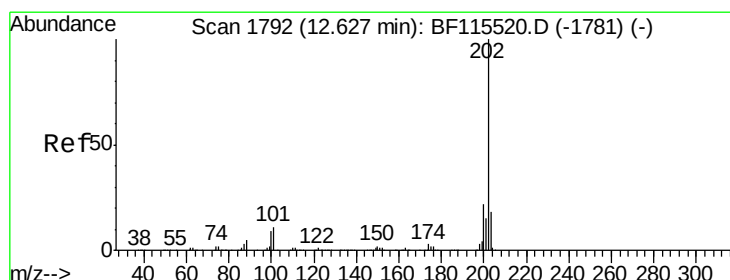
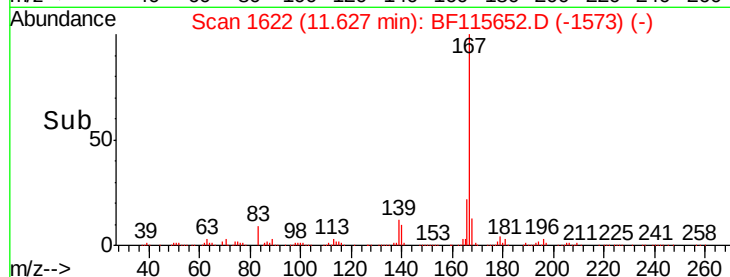
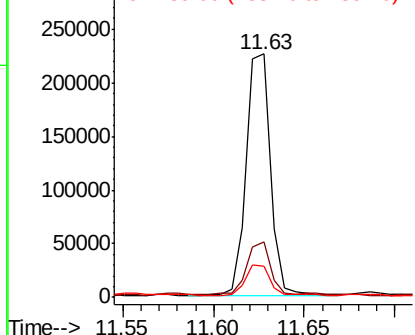


Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 70.493 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF115652.D

Acq: 18 Jul 2019 17:24

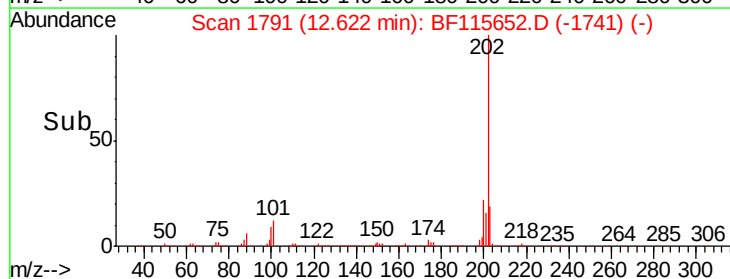
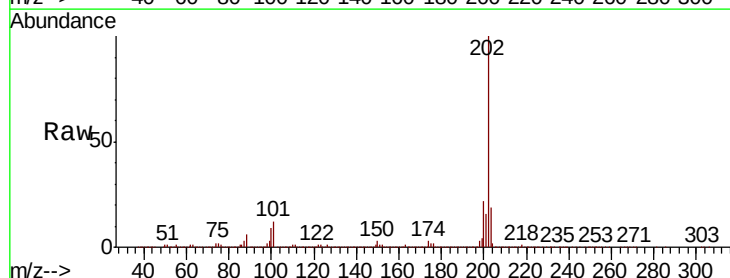
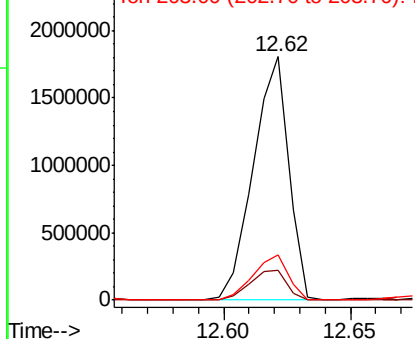
Tgt Ion:	202	Resp:	1758562
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	31.4
203	18.8	0.0	38.1

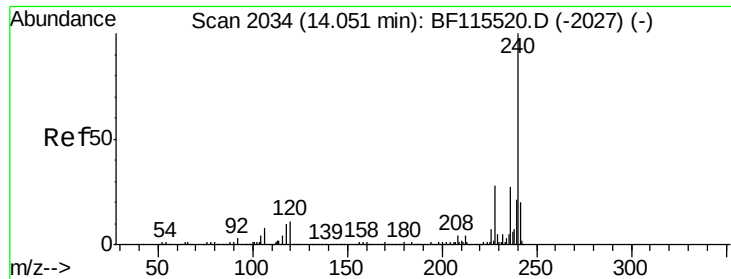
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF115652.D

Acq: 18 Jul 2019 17:24

Instrument :

BNA_F

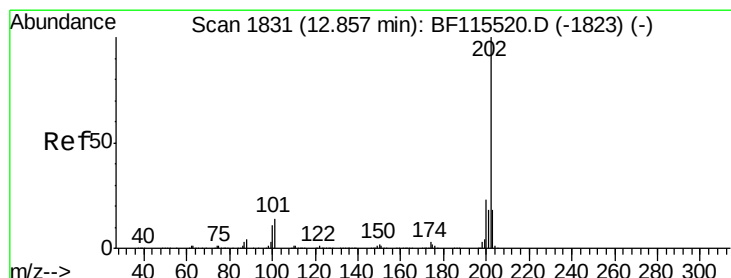
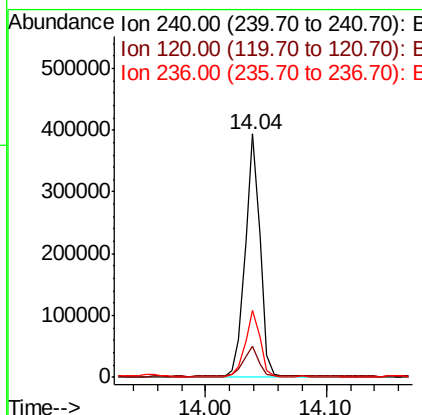
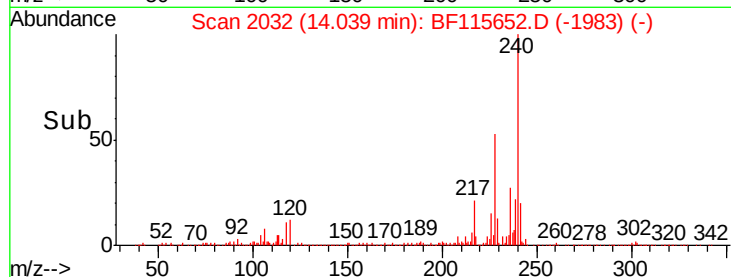
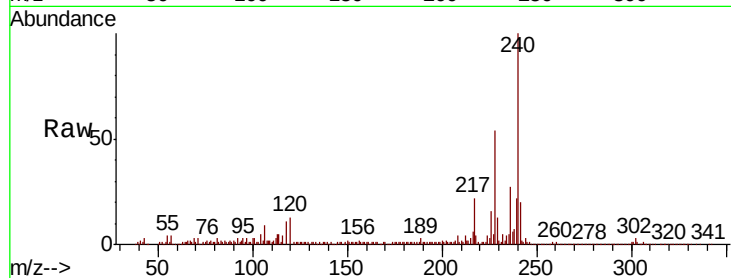
ClientSampled :

HJDC-S3

Tot Ion:	240	Resp:	338919
Ion Ratio	Lower	Upper	
240	100		
120	12.7	8.6	13.0
236	27.5	21.3	31.9

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#78

Pyrene

Concen: 55.418 ng

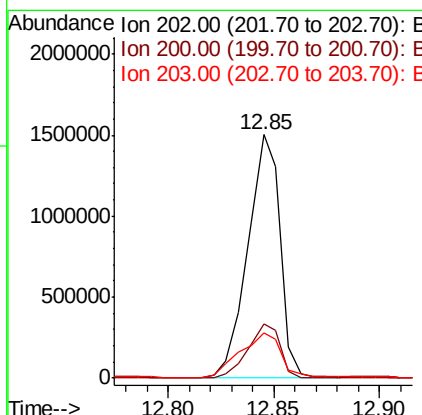
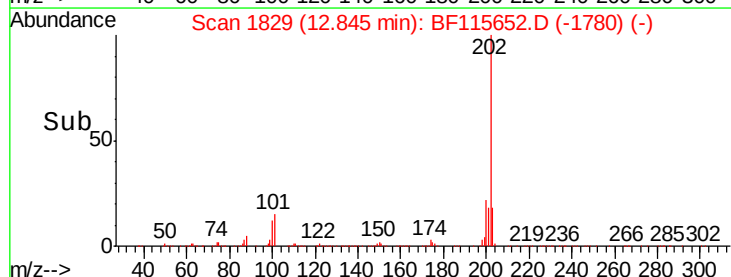
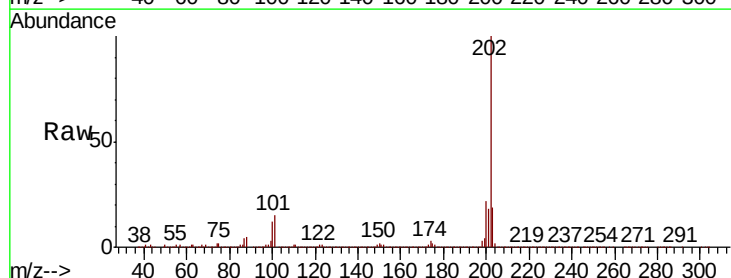
RT: 12.85 min Scan# 1829

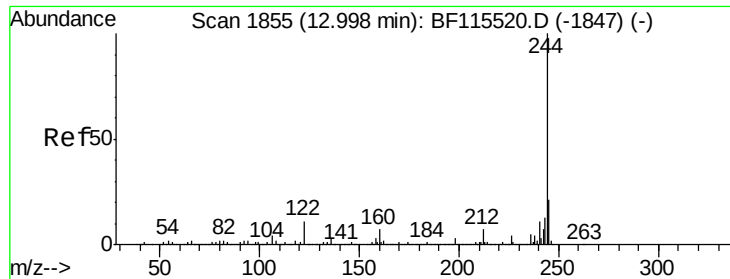
Delta R.T. -0.01 min

Lab File: BF115652.D

Acq: 18 Jul 2019 17:24

Tgt Ion:	202	Resp:	1591299
Ion Ratio	Lower	Upper	
202	100		
200	22.2	18.7	28.1
203	18.5	15.2	22.8





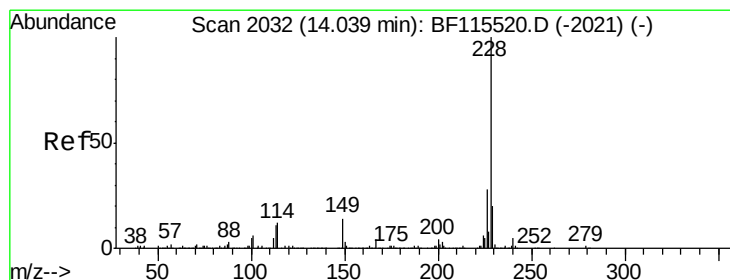
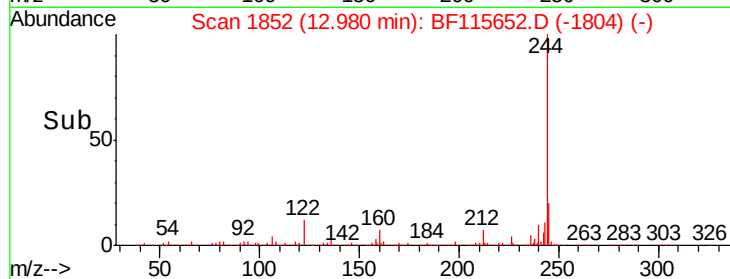
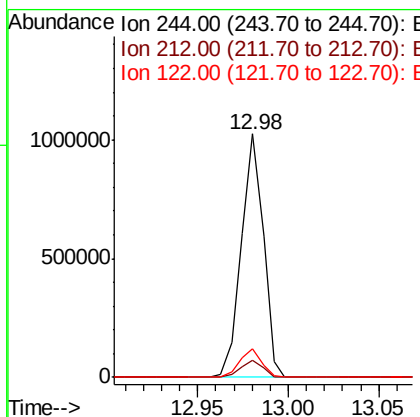
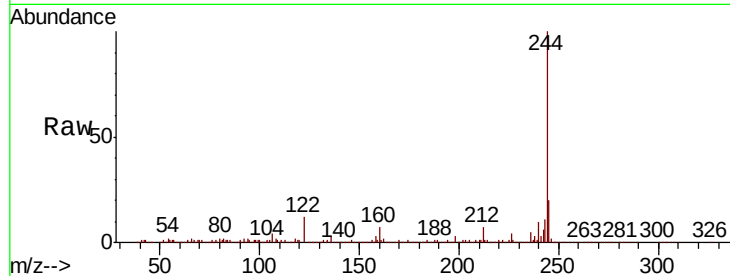
#79
 Terphenyl-d14
 Concen: 47.164 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.02 min
 Lab File: BF115652.D
 Acq: 18 Jul 2019 17:24

Instrument :
 BNA_F
 ClientSampleId :
 HJDC-S3

Tot Ion	Ratio	Resp	Lower	Upper
244	100	866297		
212	6.8		6.0	9.0
122	11.9		8.6	12.8

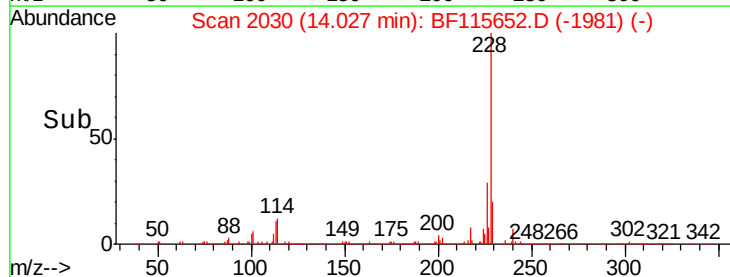
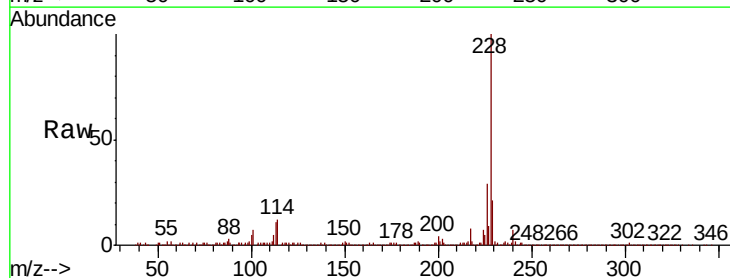
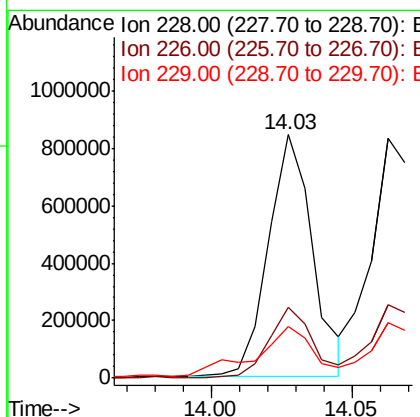
Manual Integrations
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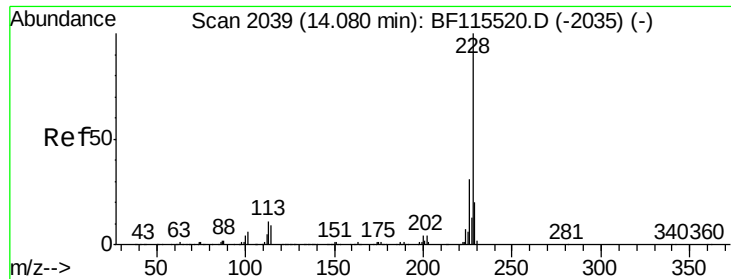
mohammad
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#81
 Benzo(a)anthracene
 Concen: 41.079 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF115652.D
 Acq: 18 Jul 2019 17:24

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	917213		
226	29.2		23.4	35.0
229	21.4		17.2	25.8





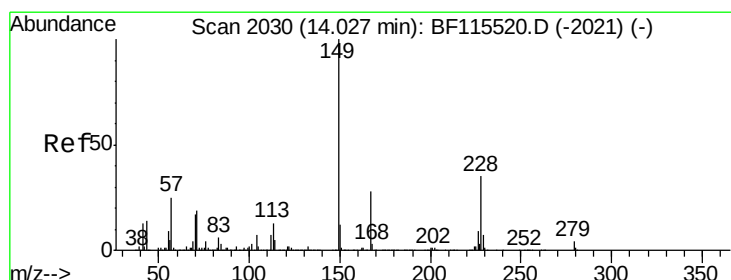
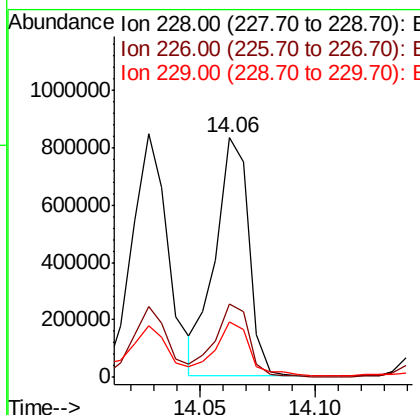
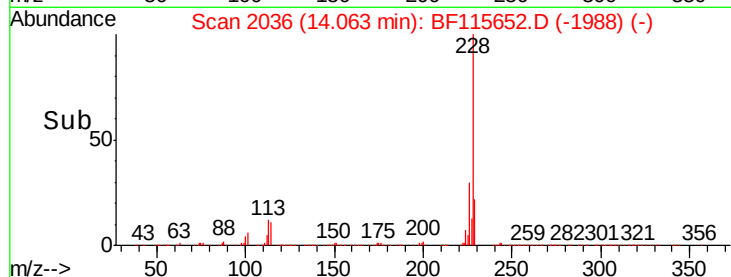
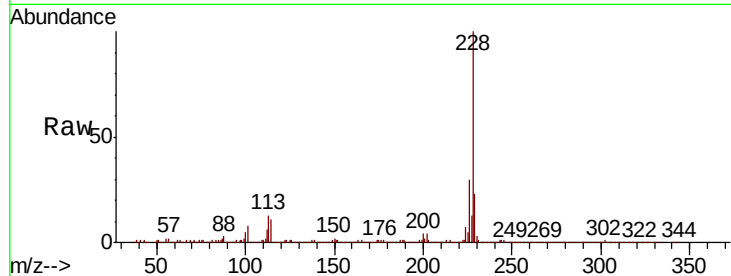
#83
Chrysene
Concen: 37.300 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.02 min
Lab File: BF115652.D
Acq: 18 Jul 2019 17:24

Instrument :
BNA_F
ClientSampleId :
HJDC-S3

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.7	38.5
229	23.2	16.6	25.0

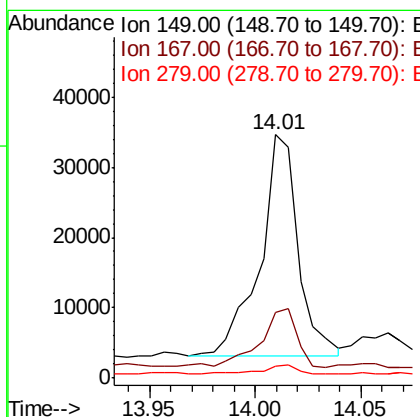
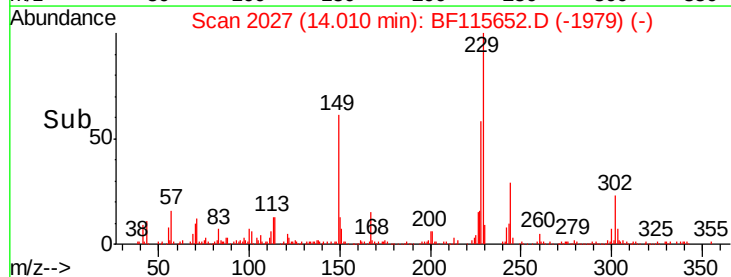
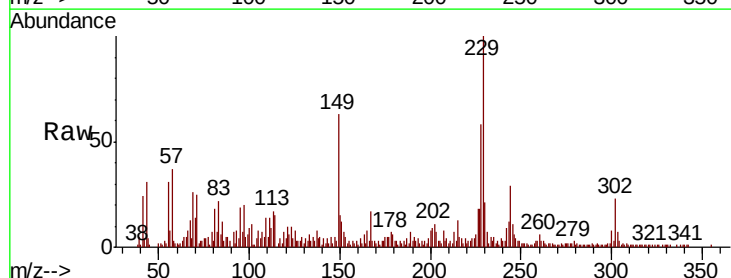
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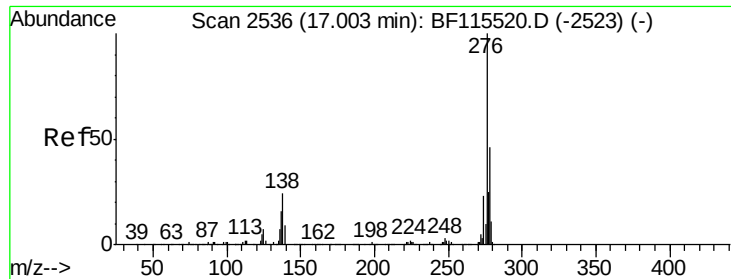
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#84
Bis(2-ethylhexyl)phthalate
Concen: 2.611 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.02 min
Lab File: BF115652.D
Acq: 18 Jul 2019 17:24

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.0	23.0	34.4
279	5.1	4.2	6.2





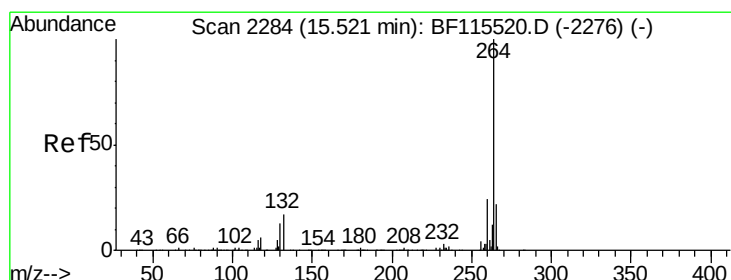
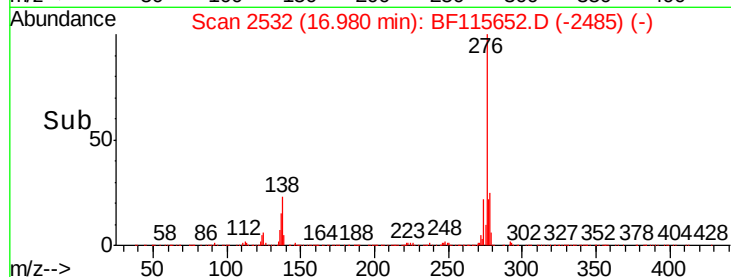
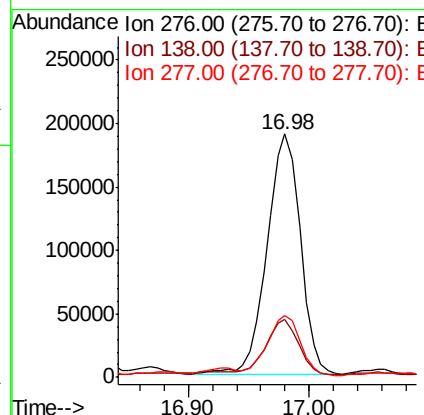
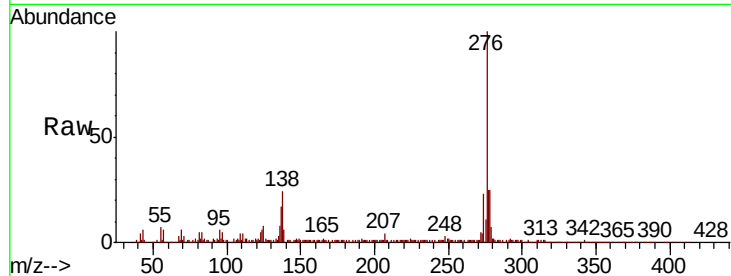
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 19.154 ng
 RT: 16.98 min Scan# 2532
 Delta R.T. -0.02 min
 Lab File: BF115652.D
 Acq: 18 Jul 2019 17:24

Instrument :
 BNA_F
 ClientSampled :
 HJDC-S3

Tot Ion:	276	Resp:	364736
Ion Ratio	Lower	Upper	
276	100		
138	22.2	20.2	30.2
277	23.9	20.4	30.6

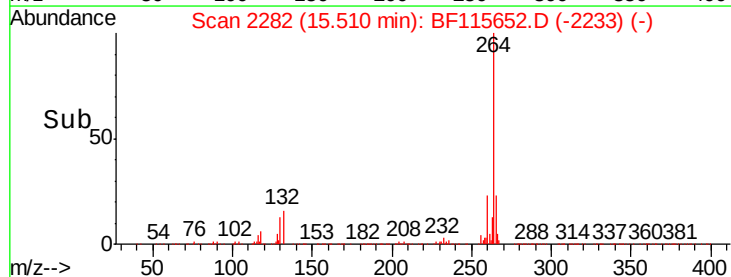
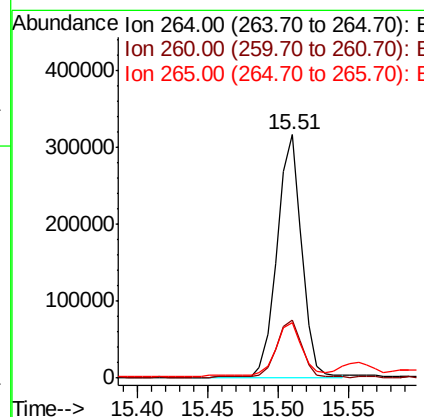
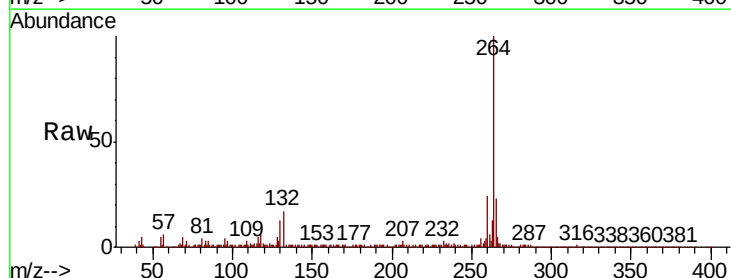
Manual Integrations
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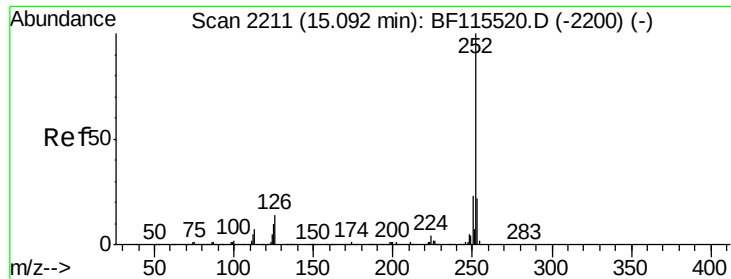
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.51 min Scan# 2282
 Delta R.T. -0.01 min
 Lab File: BF115652.D
 Acq: 18 Jul 2019 17:24

Tgt Ion:	264	Resp:	386238
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.8	29.8
265	23.0	17.7	26.5





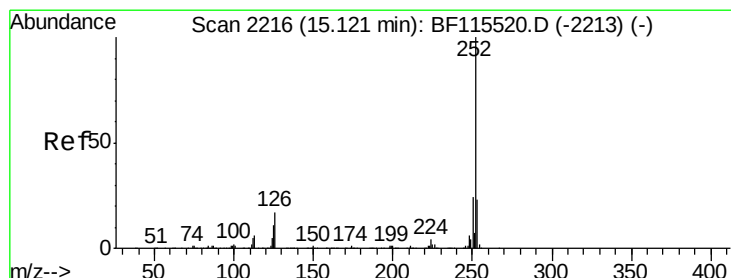
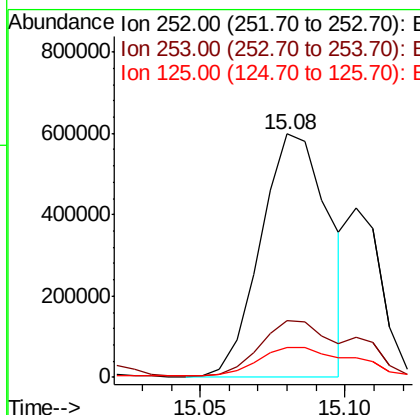
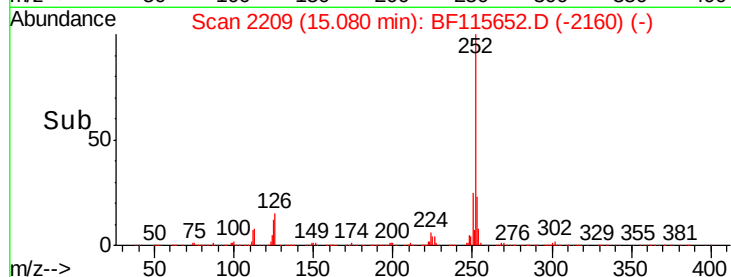
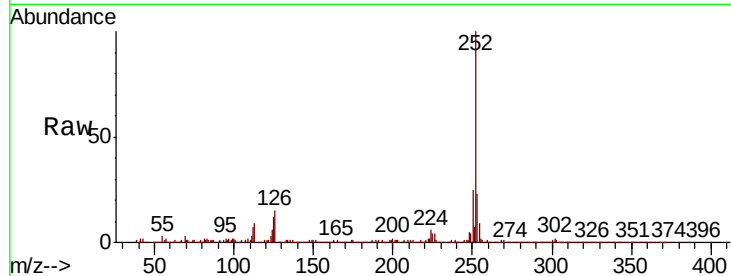
#88
Benzo(b)fluoranthene
Concen: 39.491 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF115652.D
Acq: 18 Jul 2019 17:24

Instrument :
BNA_F
ClientSampleId :
HJDC-S3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	12.4	9.0	13.4

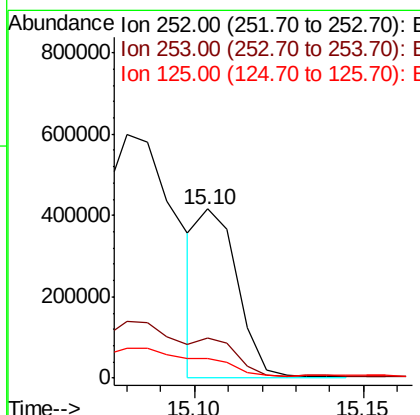
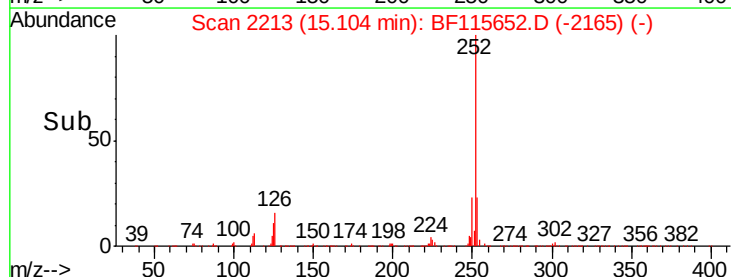
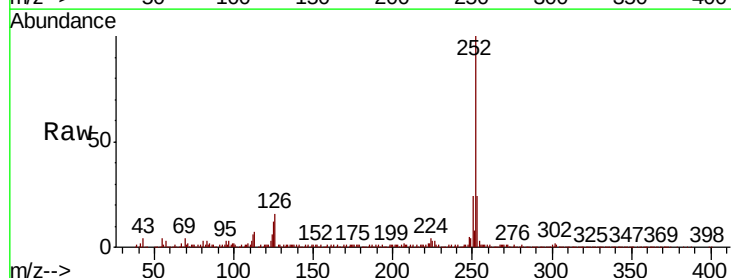
Manual Integrations
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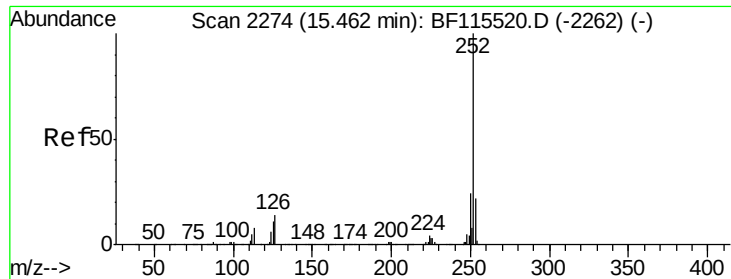
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#89
Benzo(k)fluoranthene
Concen: 14.900 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.02 min
Lab File: BF115652.D
Acq: 18 Jul 2019 17:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.6	28.0
125	11.8	9.0	13.6





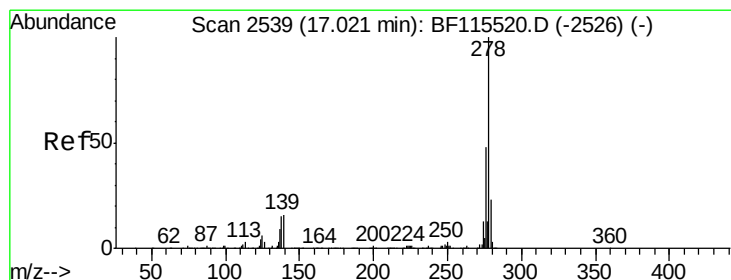
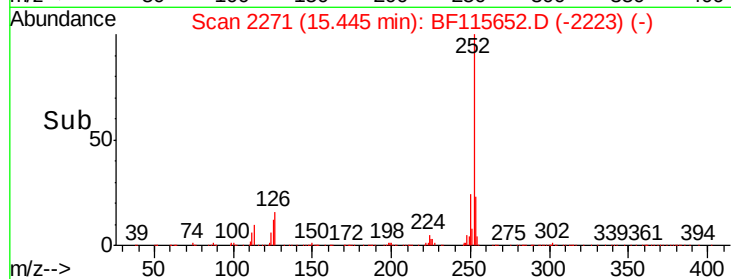
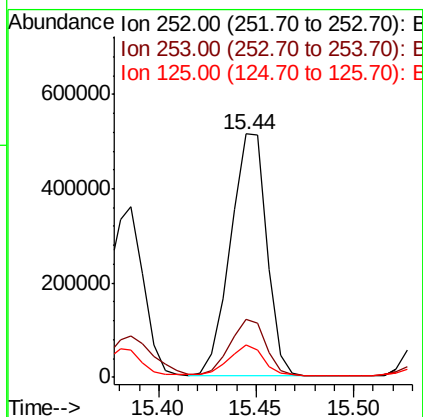
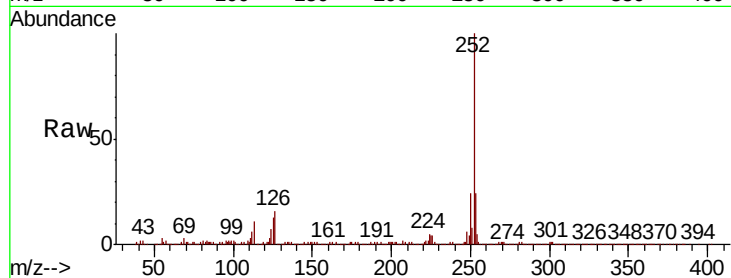
#90
Benzo(a)pyrene
Concen: 30.949 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF115652.D
Acq: 18 Jul 2019 17:24

Instrument :
BNA_F
ClientSampleId :
HJDC-S3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	13.1	9.1	13.7

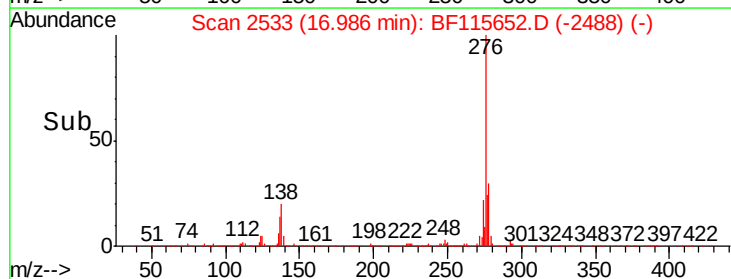
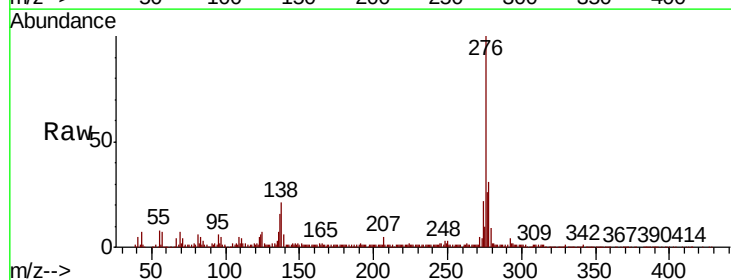
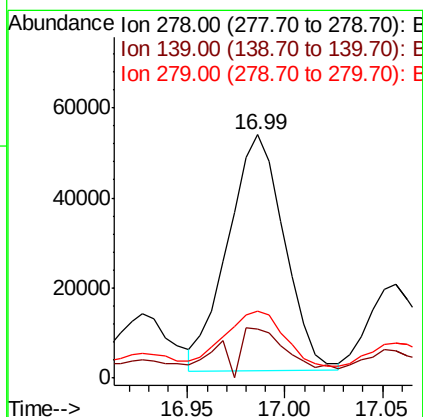
Manual Integrations
APPROVED

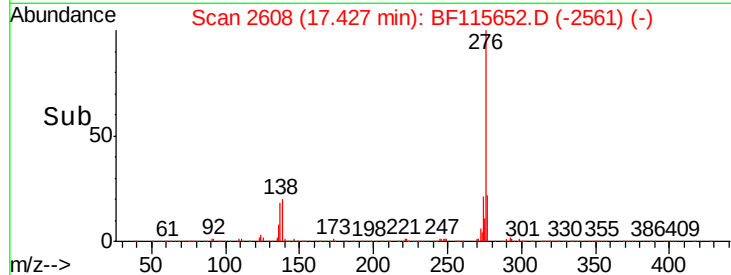
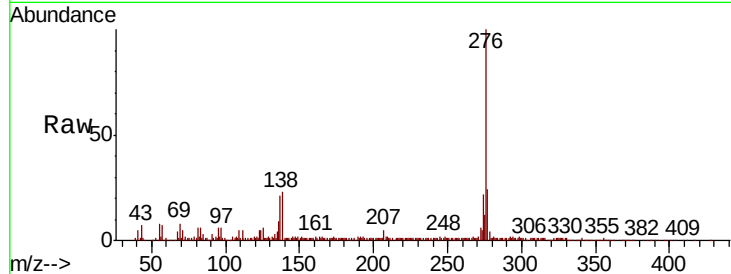
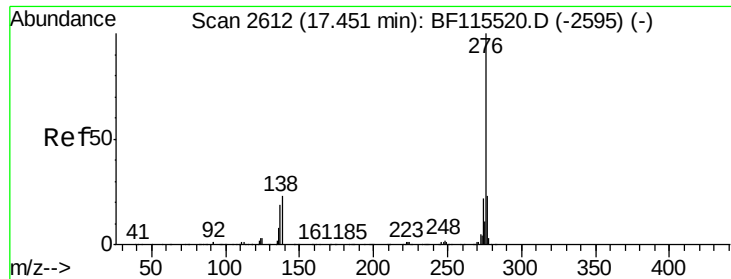
mohammad
7/19/2019 3:58:31 PM



#91
Dibenzo(a,h)anthracene
Concen: 5.591 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.04 min
Lab File: BF115652.D
Acq: 18 Jul 2019 17:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.3	13.1	19.7#
279	27.7	19.6	29.4





#92
 Benzo(a,h,i)perylene
 Concen: 16.512 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. -0.02 min
 Lab File: BF115652.D
 Acq: 18 Jul 2019 17:24

Instrument :
 BNA_F
 ClientSampleId :
 HJDC-S3

Tot Ion:	276	Resp:	309026
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.0	28.4
138	22.9	17.2	25.8

Manual Integrations
 APPROVED

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