

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071819\
 Data File : BF115659.D
 Acq On : 18 Jul 2019 22:19
 Operator : HP/JU
 Sample : K3874-03 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HJDC-GRABC

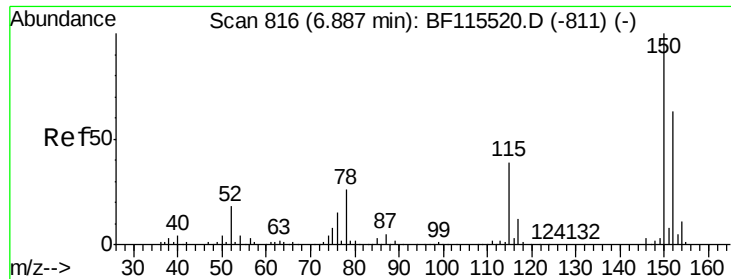
Manual Integrations
 APPROVED

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 7/19/2019 3:58:47 PM

Quant Time: Jul 19 08:10:51 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	170227	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	658039	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	273817	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	486506	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	404797	20.00	ng	-0.02
87) Perylene-d12	15.50	264	325179	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	490753	47.16	ng	0.00
7) Phenol-d6	6.51	99	656643	49.73	ng	0.00
23) Nitrobenzene-d5	7.44	82	402752	35.59	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	138312	43.28	ng	-0.02
45) 2-Fluorobiphenyl	9.23	172	663325	42.40	ng	-0.02
79) Terphenyl-d14	12.98	244	540367	24.63	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.62	163	83881	4.072	ng	98
71) Phenanthrene	11.42	178	274790	11.019	ng	96
75) Fluoranthene	12.61	202	676005	25.652	ng	98
78) Pyrene	12.84	202	563271	16.424	ng	96
81) Benzo(a)anthracene	14.03	228	296764	11.128	ng	99
83) Chrysene	14.06	228	348541	13.019	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	128810	5.663	ng	96
88) Benzo(b)fluoranthene	15.07	252	353101m	16.863	ng	
89) Benzo(k)fluoranthene	15.10	252	113731m	6.092	ng	
90) Benzo(a)pyrene	15.44	252	195499	10.863	ng	97
91) Dibenzo(a,h)anthracene	16.98	278	34636	2.192	ng	# 88
92) Benzo(a,h,i)perylene	17.42	276	125484	7.964	ng	98

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



#1

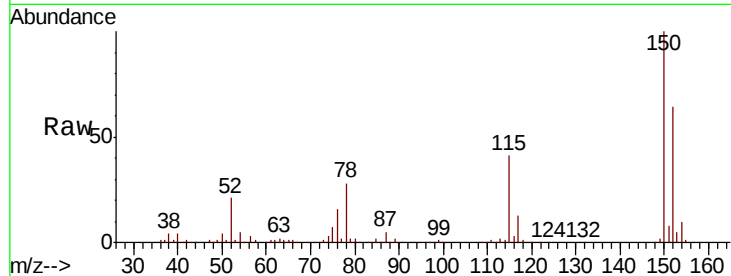
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115659.D
Acq: 18 Jul 2019 22:19

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABC

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	129.7	194.5
115	62.9	48.2	72.4

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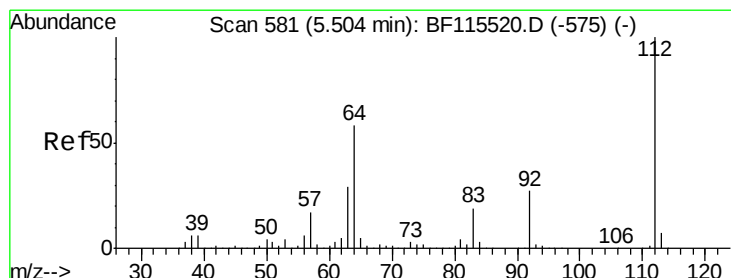
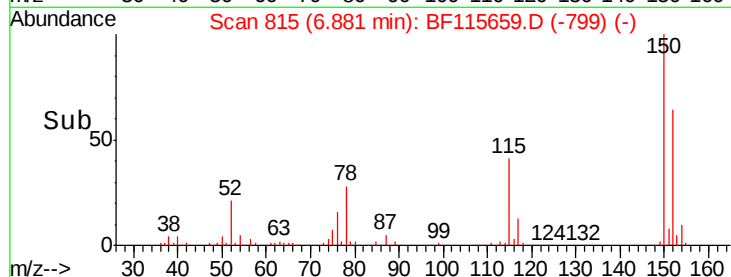
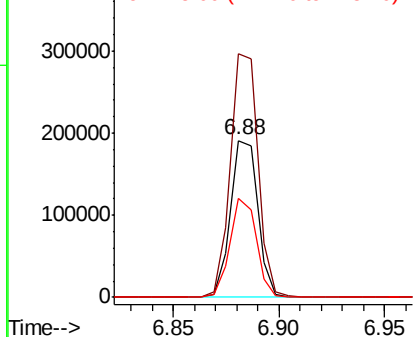


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

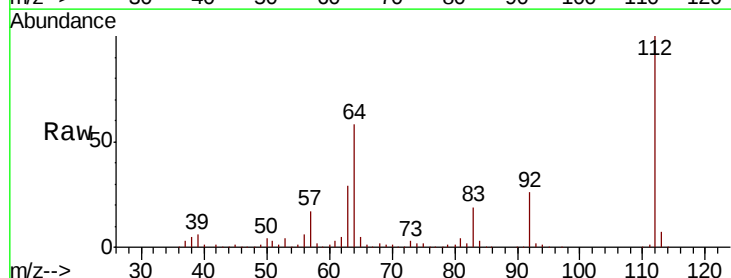
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 47.156 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115659.D
Acq: 18 Jul 2019 22:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	46.8	70.2
63	29.5	24.1	36.1

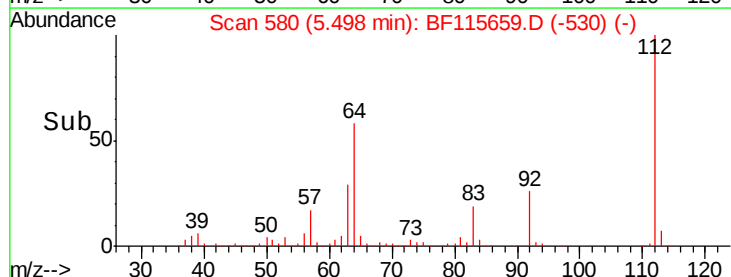
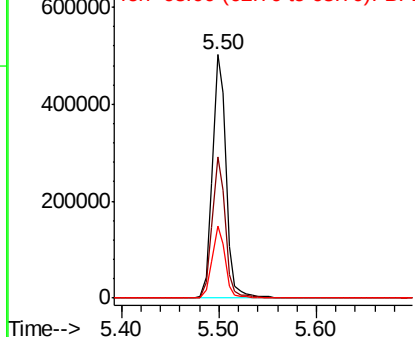


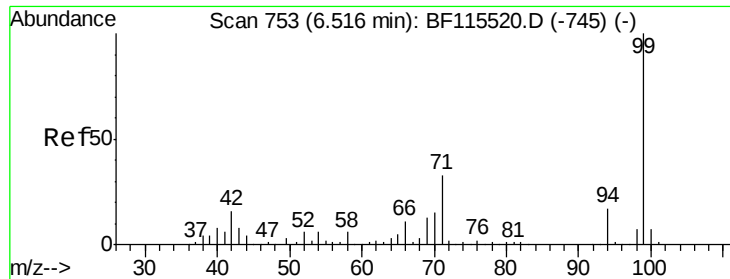
Abundance

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: 49.726 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF115659.D

Acq: 18 Jul 2019 22:19

Instrument :

BNA_F

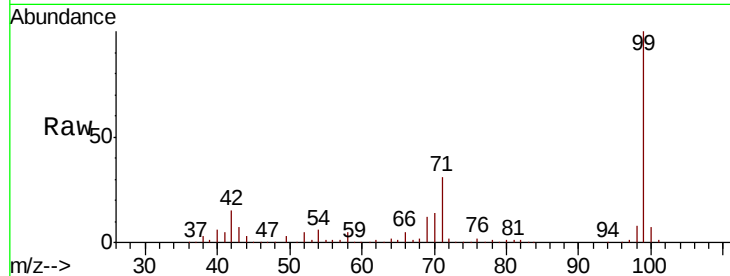
ClientSampleId :

HJDC-GRABC

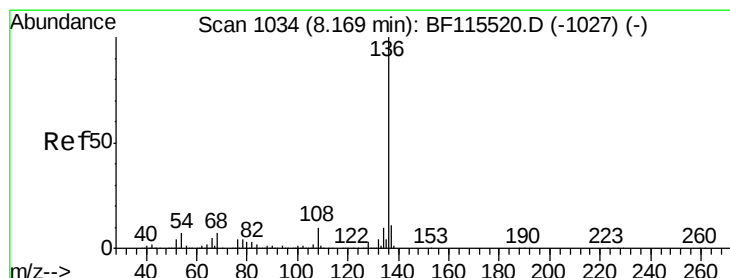
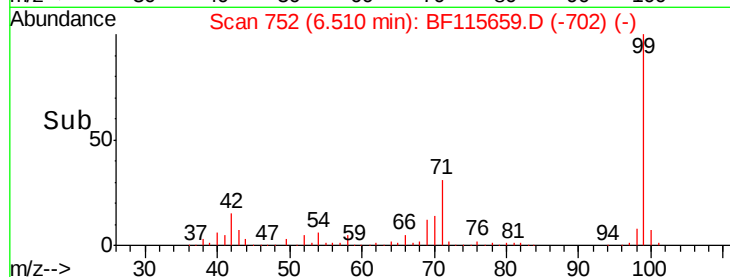
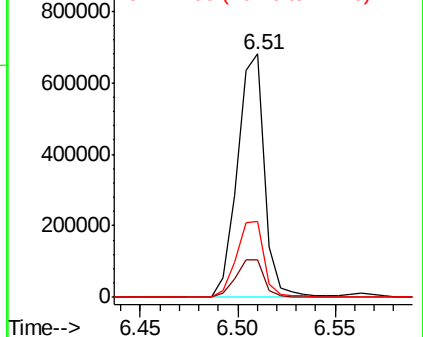
Tot Ion:	99	Resp:	656643
Ion Ratio	Lower	Upper	
99	100		
42	15.2	13.6	20.4
71	31.1	28.5	42.7

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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

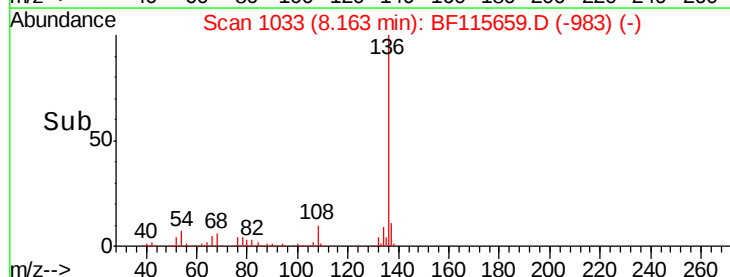
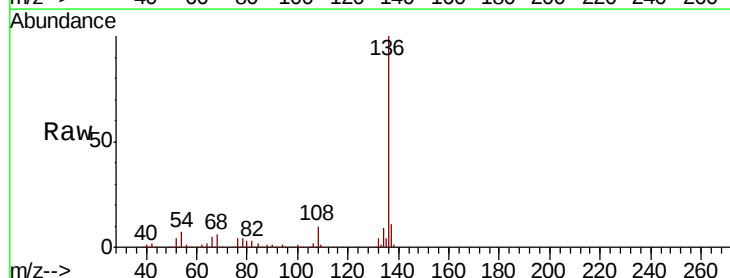
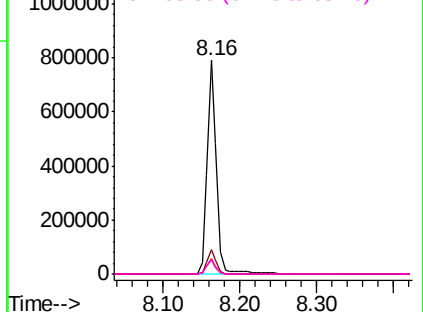
Delta R.T. -0.01 min

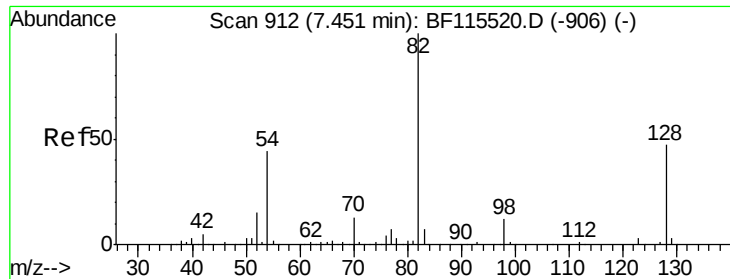
Lab File: BF115659.D

Acq: 18 Jul 2019 22:19

Tgt Ion:	136	Resp:	658039
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.0	13.4
54	7.0	5.6	8.4
68	6.3	5.0	7.6

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





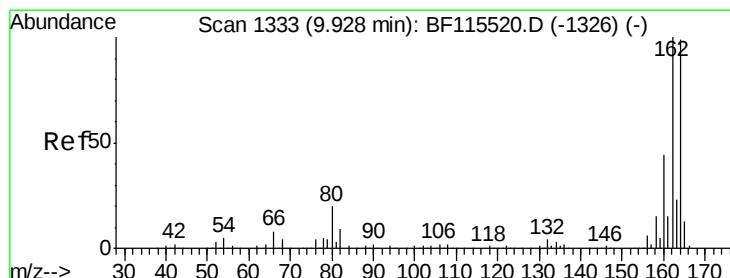
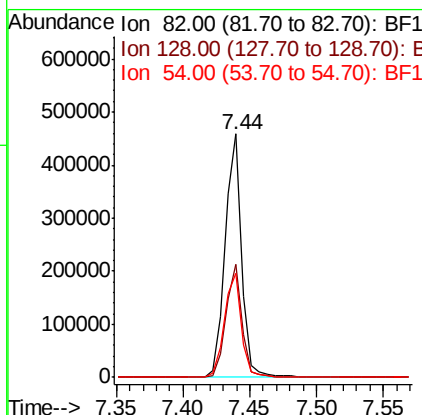
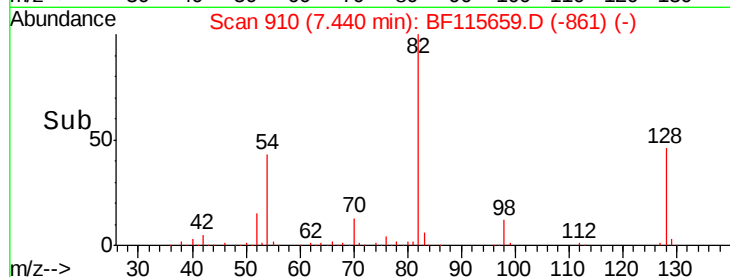
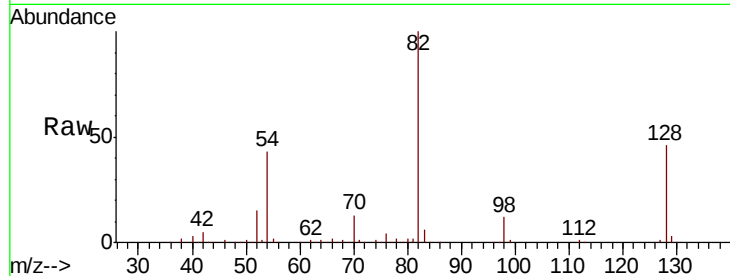
#23
Nitrobenzene-d5
Concen: 35.589 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115659.D
Acq: 18 Jul 2019 22:19

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABC

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.2	38.6	57.8
54	42.9	35.6	53.4

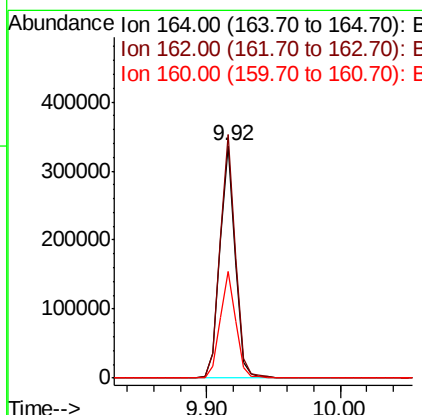
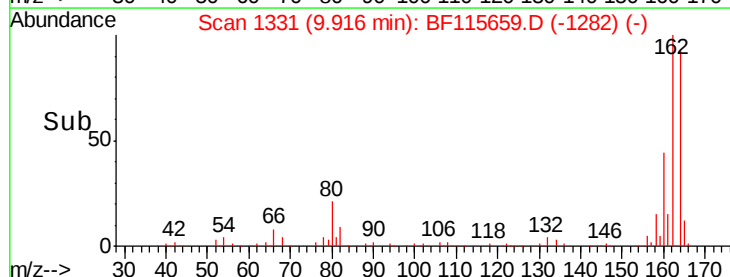
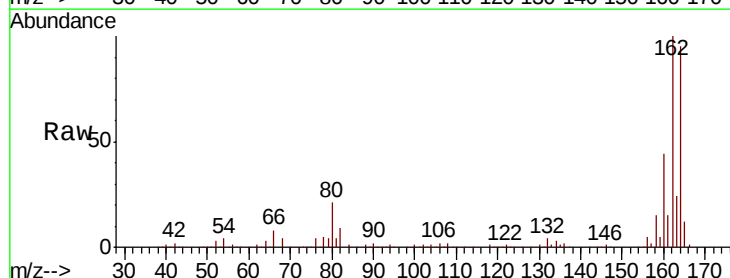
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF115659.D
Acq: 18 Jul 2019 22:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	82.9	124.3
160	45.9	36.8	55.2





#42

2,4,6-Tribromophenol

Concen: 43.275 ng

RT: 10.70 min Scan# 1464

Delta R.T. -0.02 min

Lab File: BF115659.D

Acq: 18 Jul 2019 22:19

Instrument :

BNA_F

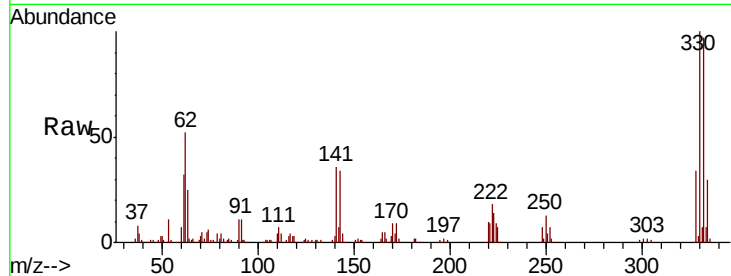
ClientSampleId :

HJDC-GRABC

Tot Ion:	330	Resp:	138312
Ion Ratio	Lower	Upper	
330	100		
332	97.3	77.4	116.2
141	33.0	22.4	33.6

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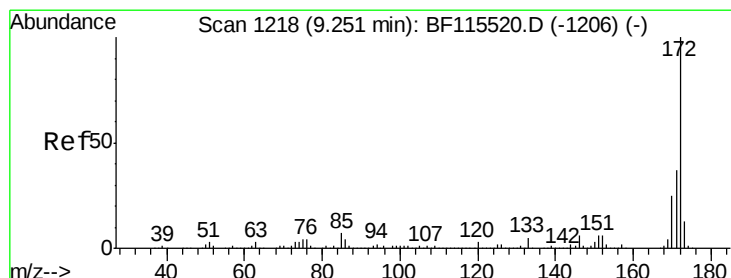
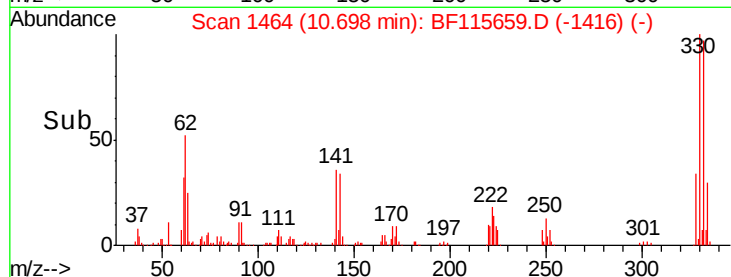
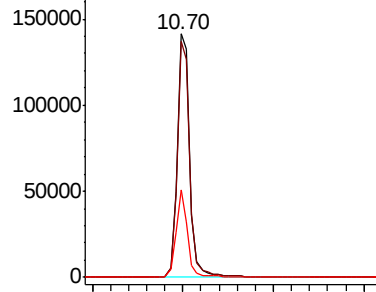


Abundance

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: 42.401 ng

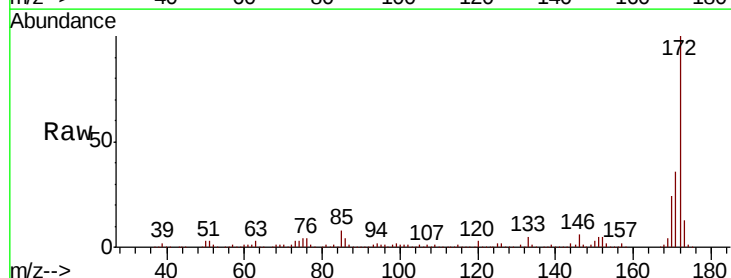
RT: 9.23 min Scan# 1215

Delta R.T. -0.02 min

Lab File: BF115659.D

Acq: 18 Jul 2019 22:19

Tgt Ion:	172	Resp:	663325
Ion Ratio	Lower	Upper	
172	100		
171	36.1	30.6	46.0
170	24.3	20.5	30.7

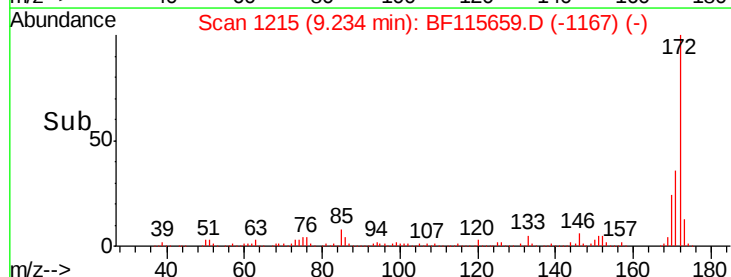
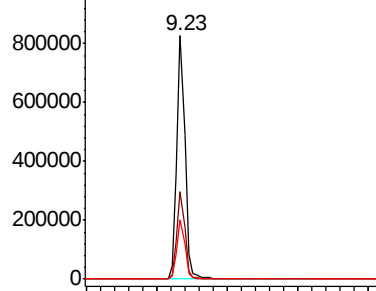


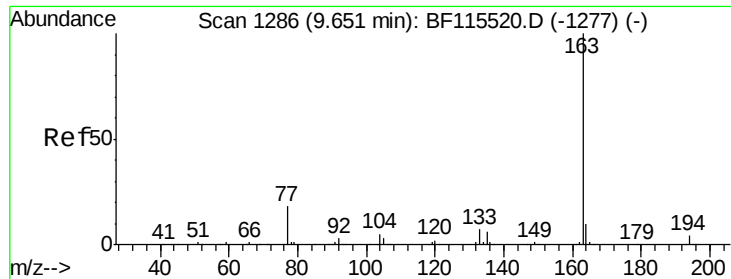
Abundance

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





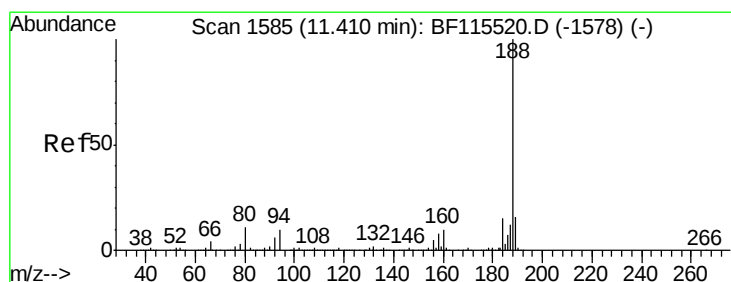
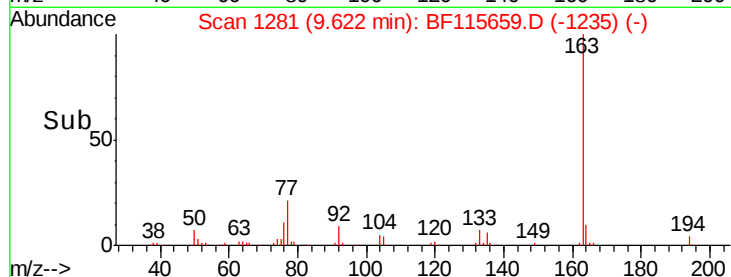
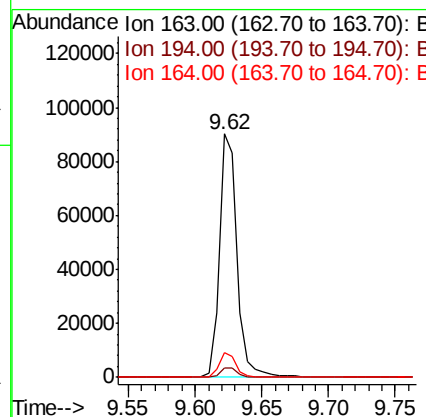
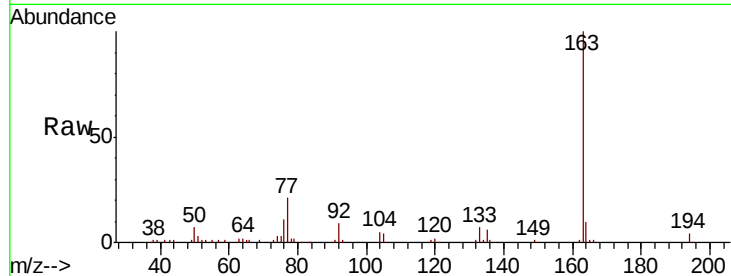
#50
Dimethylphthalate
Concen: 4.072 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.03 min
Lab File: BF115659.D
Acq: 18 Jul 2019 22:19

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABC

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.9	8.7	13.1

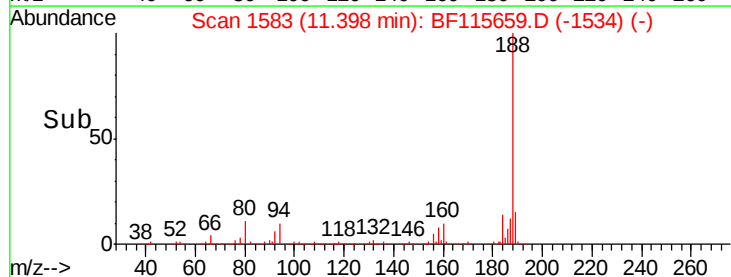
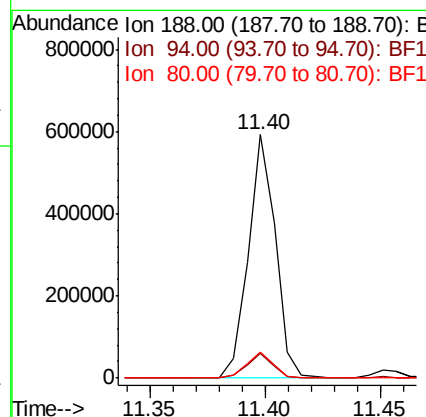
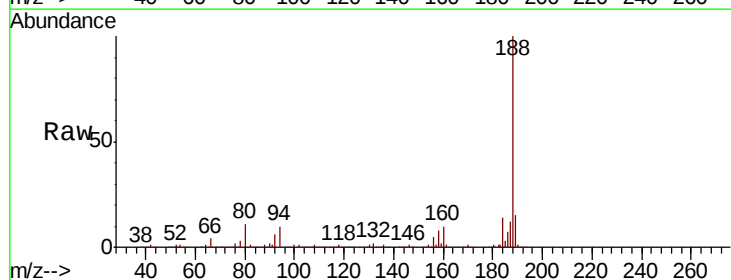
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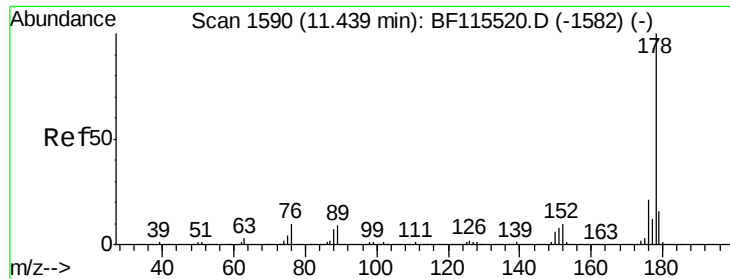
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF115659.D
Acq: 18 Jul 2019 22:19

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.8	11.6
80	10.8	8.6	13.0





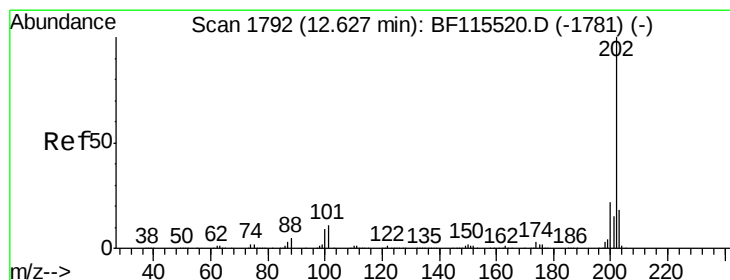
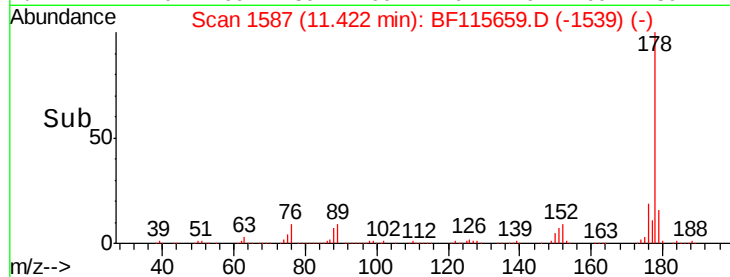
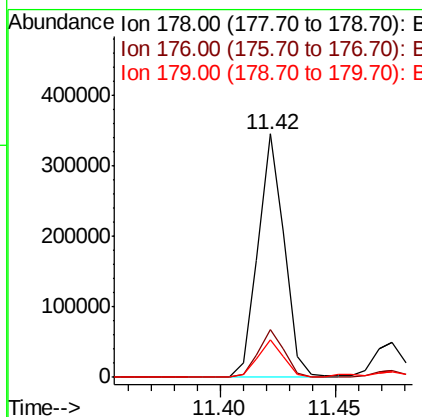
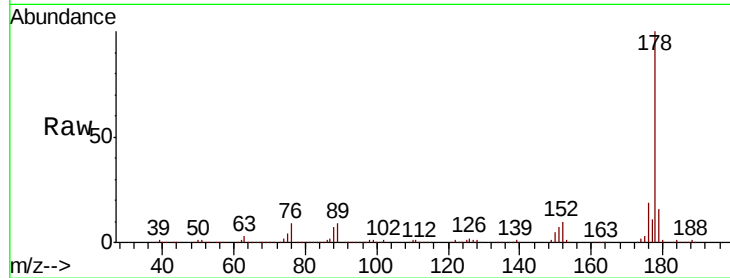
#71
Phenanthrene
Concen: 11.019 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.02 min
Lab File: BF115659.D
Acq: 18 Jul 2019 22:19

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABC

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	17.2	25.8
179	15.6	13.5	20.3

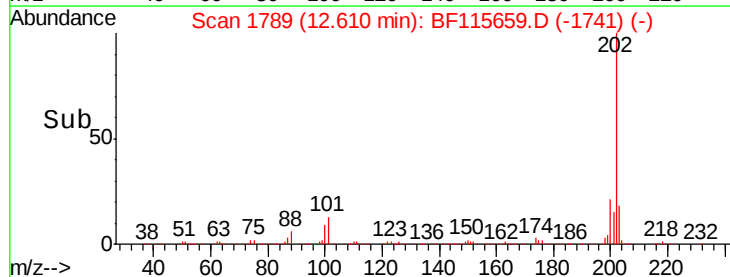
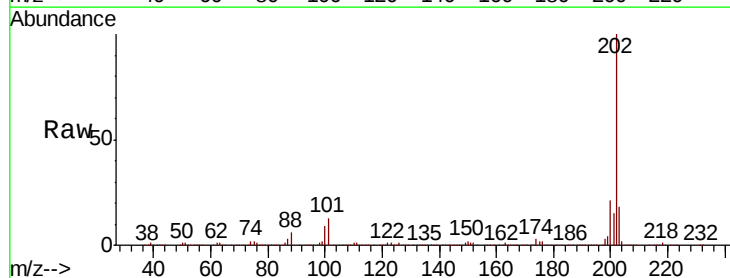
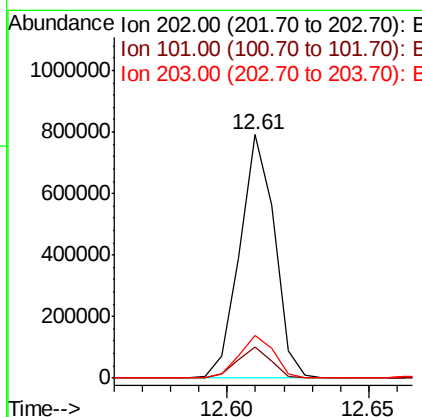
Manual Integrations
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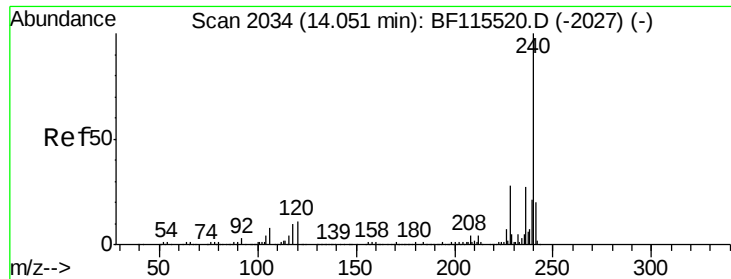
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#75
Fluoranthene
Concen: 25.652 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.02 min
Lab File: BF115659.D
Acq: 18 Jul 2019 22:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	31.4
203	17.6	0.0	38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.02 min

Lab File: BF115659.D

Acq: 18 Jul 2019 22:19

Instrument :

BNA_F

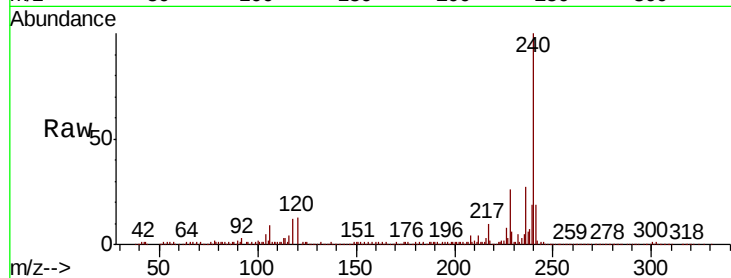
ClientSampleId :

HJDC-GRABC

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.0	8.6	13.0#
236	27.0	21.3	31.9

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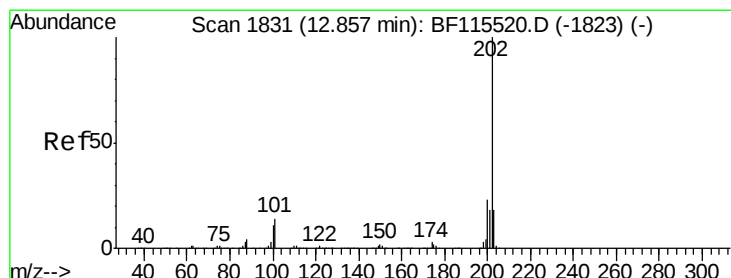
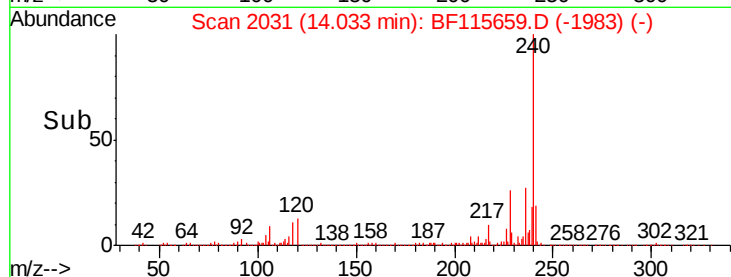
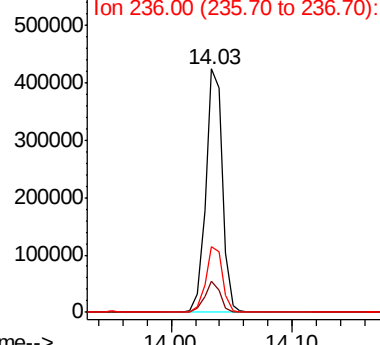


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 16.424 ng

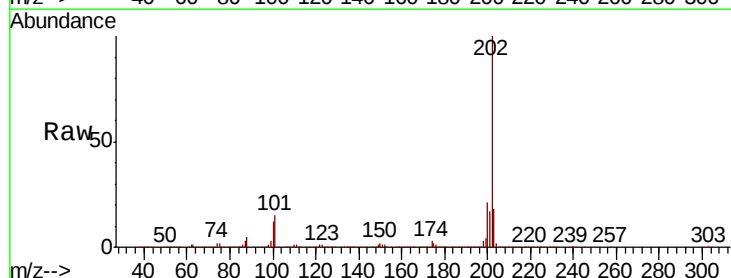
RT: 12.84 min Scan# 1828

Delta R.T. -0.02 min

Lab File: BF115659.D

Acq: 18 Jul 2019 22:19

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	18.7	28.1
203	17.8	15.2	22.8

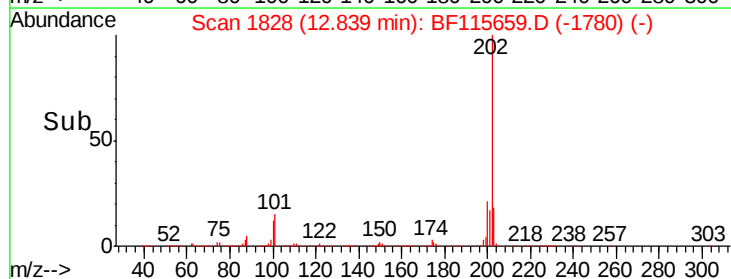
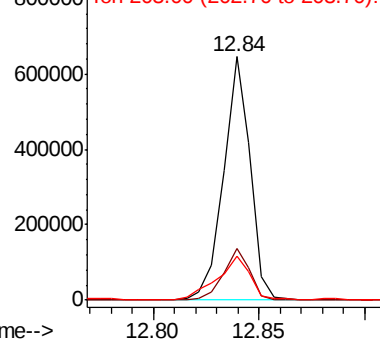


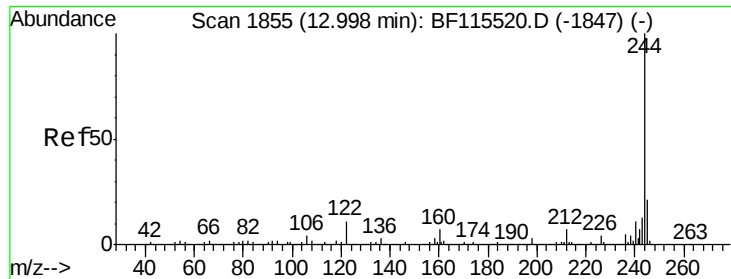
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





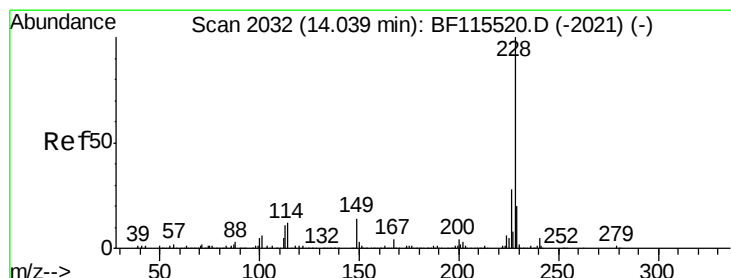
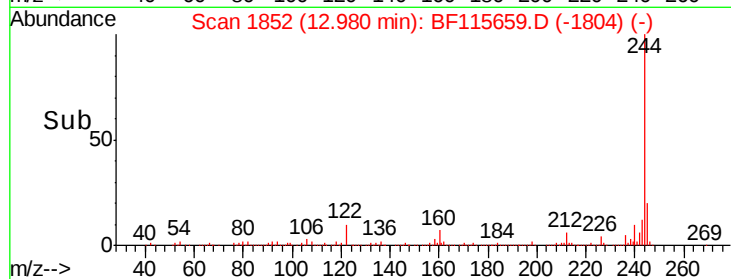
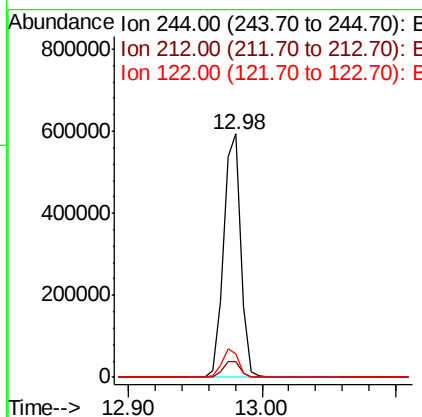
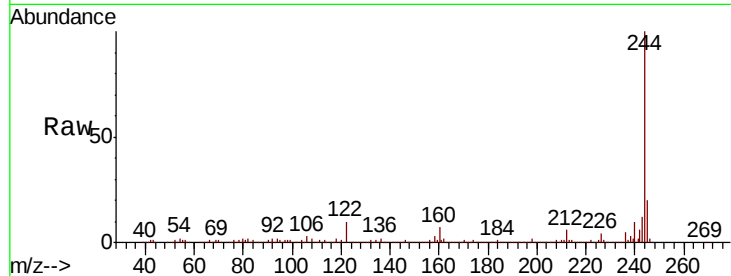
#79
 Terphenyl-d14
 Concen: 24.631 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.02 min
 Lab File: BF115659.D
 Acq: 18 Jul 2019 22:19

Instrument :
 BNA_F
 ClientSampleId :
 HJDC-GRABC

Tot Ion:	244	Resp:	540367
Ion Ratio		Lower	Upper
244	100		
212	6.5	6.0	9.0
122	9.8	8.6	12.8

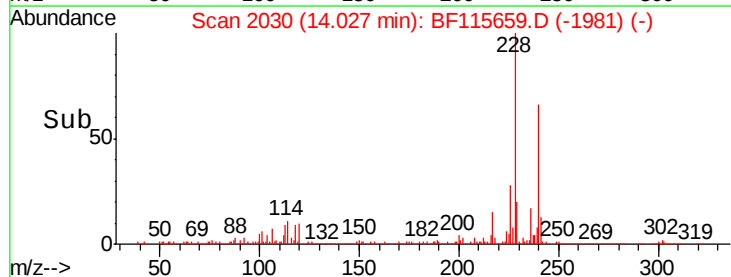
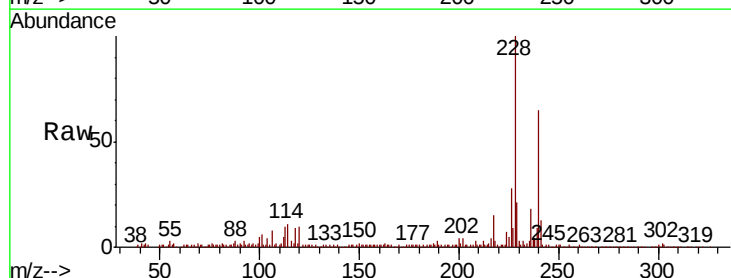
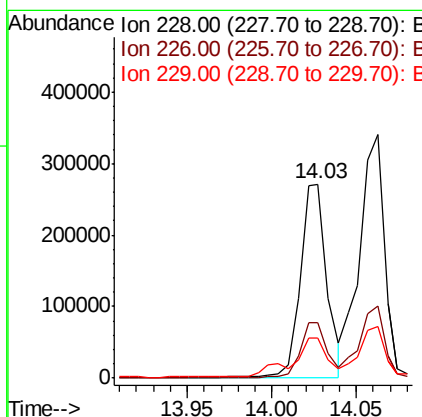
Manual Integrations
 APPROVED

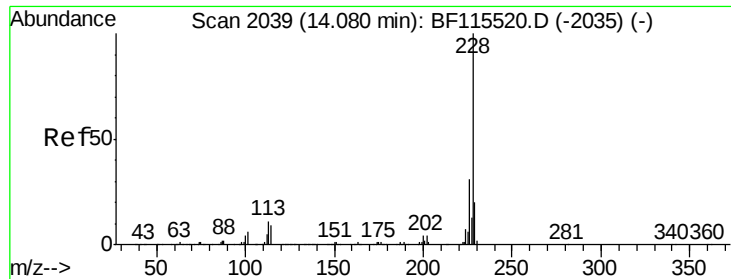
mohammad
 7/19/2019 3:58:47 PM



#81
 Benzo(a)anthracene
 Concen: 11.128 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF115659.D
 Acq: 18 Jul 2019 22:19

Tgt Ion:	228	Resp:	296764
Ion Ratio		Lower	Upper
228	100		
226	28.4	23.4	35.0
229	20.9	17.2	25.8





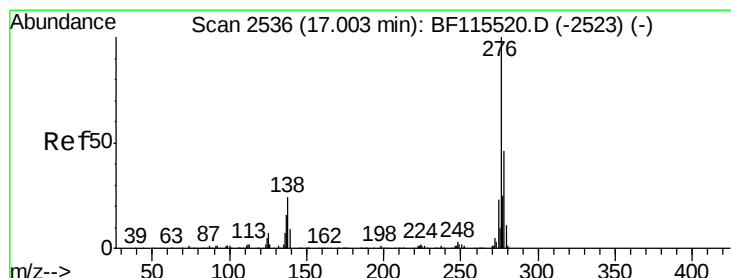
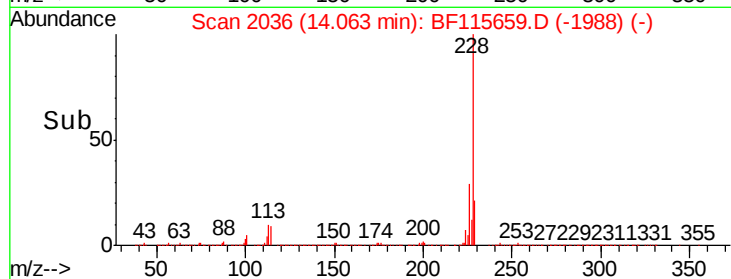
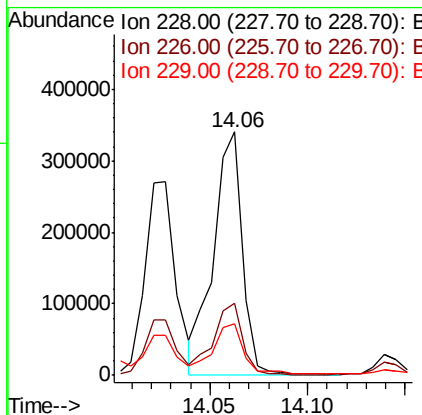
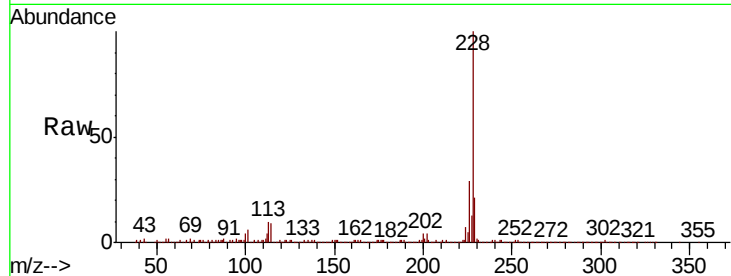
#83
Chrysene
Concen: 13.019 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.02 min
Lab File: BF115659.D
Acq: 18 Jul 2019 22:19

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABC

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.7	38.5
229	21.4	16.6	25.0

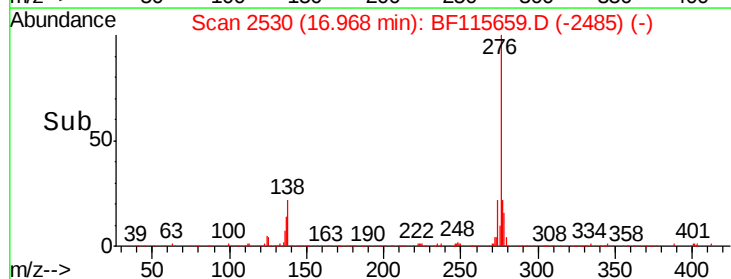
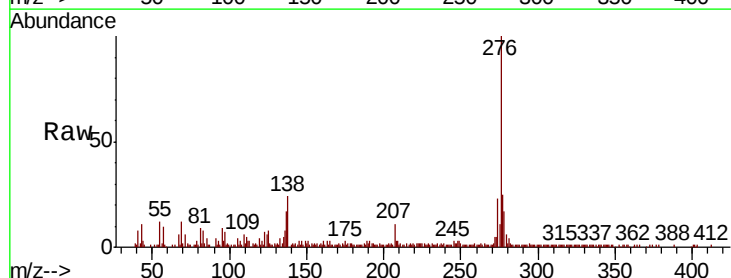
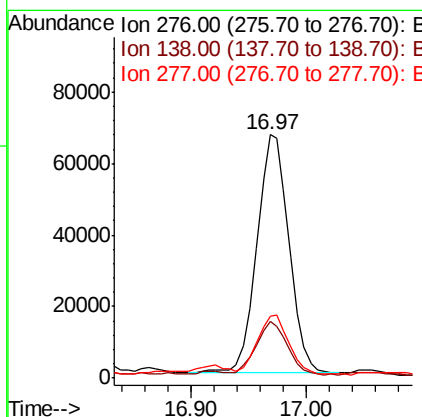
Manual Integrations
APPROVED

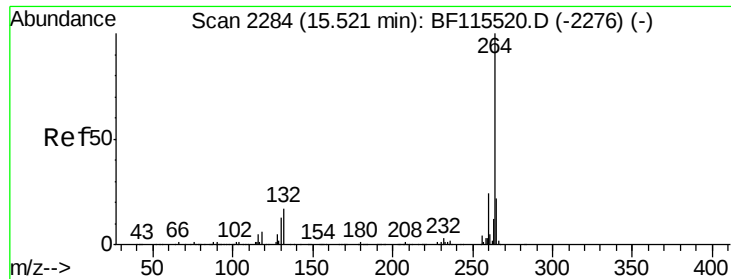
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.663 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.04 min
Lab File: BF115659.D
Acq: 18 Jul 2019 22:19

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.2	20.2	30.2
277	24.3	20.4	30.6





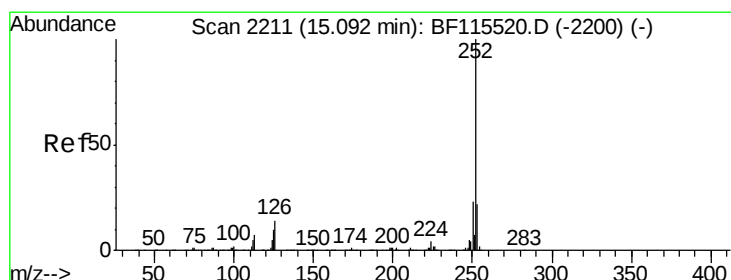
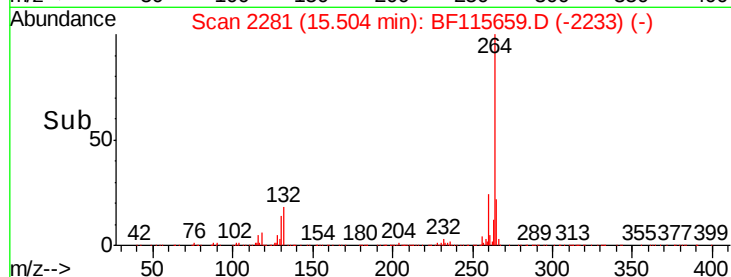
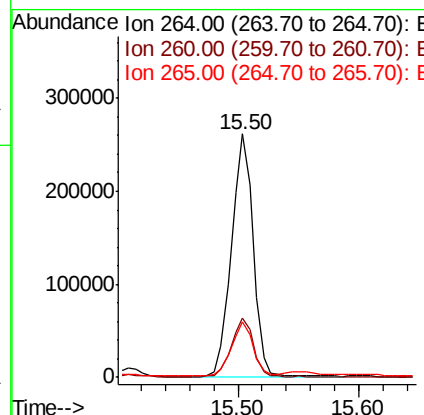
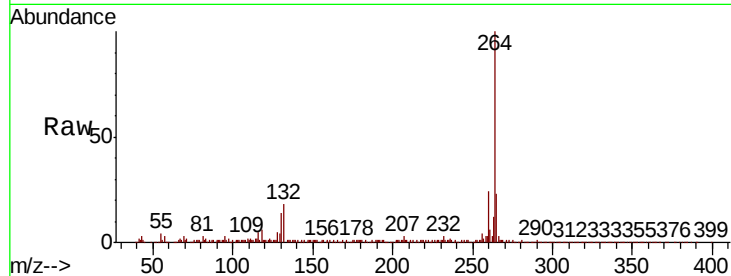
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.02 min
Lab File: BF115659.D
Acq: 18 Jul 2019 22:19

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABC

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.8	29.8
265	22.7	17.7	26.5

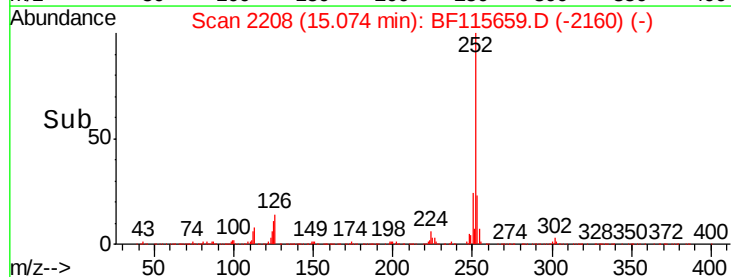
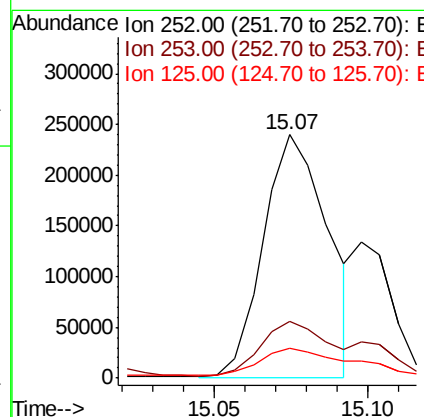
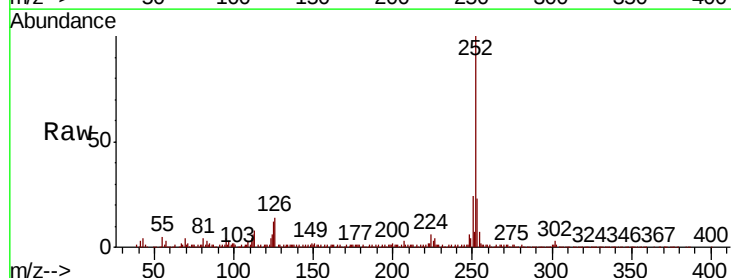
Manual Integrations
APPROVED

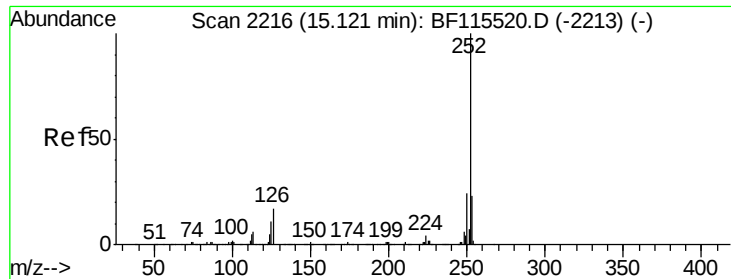
mohammad
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#88
Benzo(b)fluoranthene
Concen: 16.863 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF115659.D
Acq: 18 Jul 2019 22:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	12.3	9.0	13.4





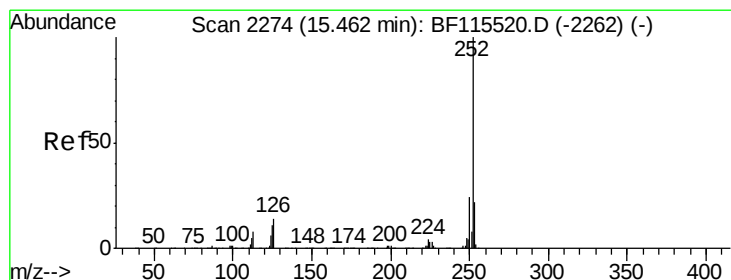
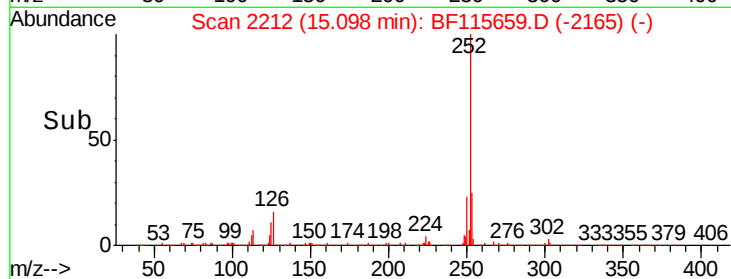
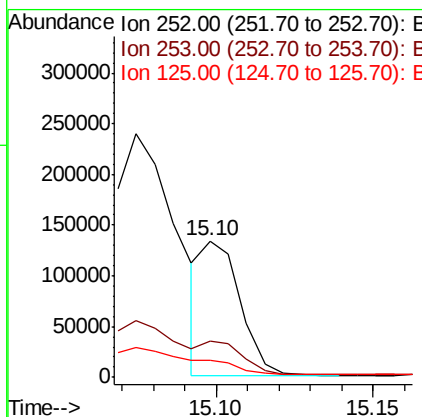
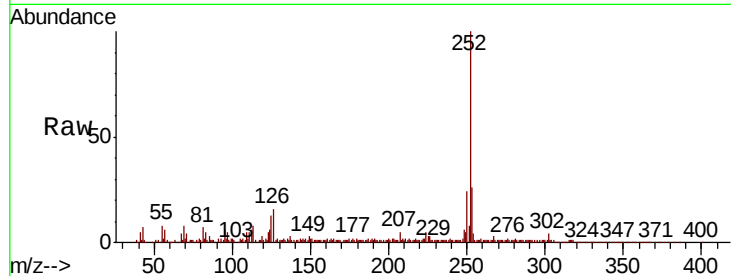
#89
Benzo(k)fluoranthene
Concen: 6.092 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.02 min
Lab File: BF115659.D
Acq: 18 Jul 2019 22:19

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABC

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.5	18.6	28.0
125	12.9	9.0	13.6

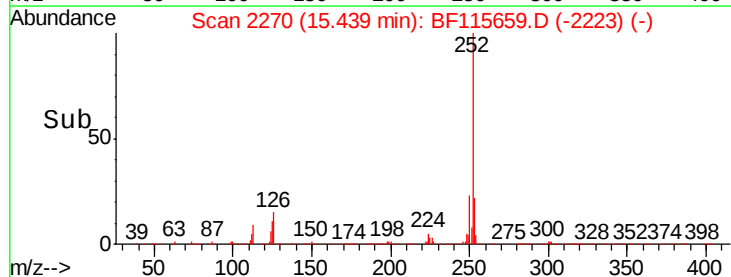
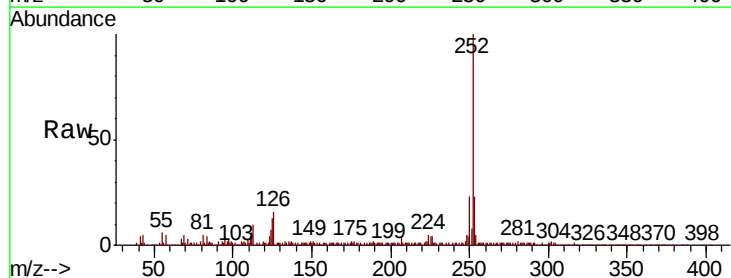
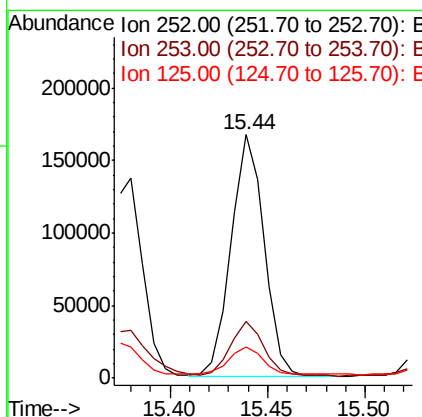
Manual Integrations
APPROVED

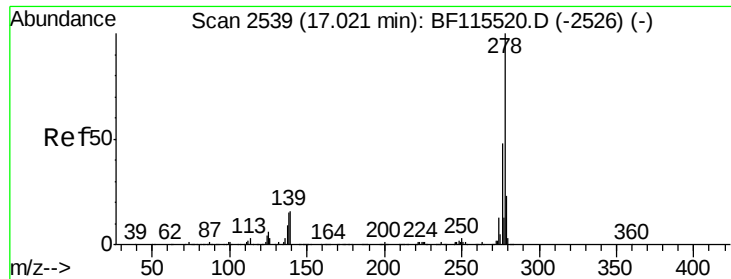
mohammad
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#90
Benzo(a)pyrene
Concen: 10.863 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF115659.D
Acq: 18 Jul 2019 22:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	12.8	9.1	13.7





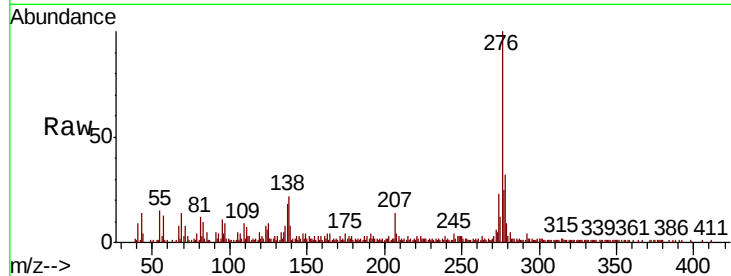
#91
Dibenzo(a,h)anthracene
Concen: 2.192 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.04 min
Lab File: BF115659.D
Acq: 18 Jul 2019 22:19

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABC

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.8	13.1	19.7#
279	28.8	19.6	29.4

Manual Integrations
APPROVED

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7/19/2019 3:58:47 PM

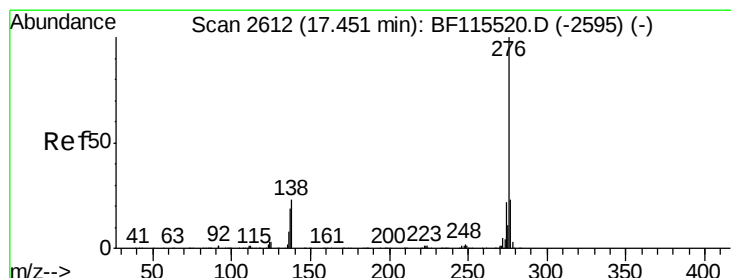
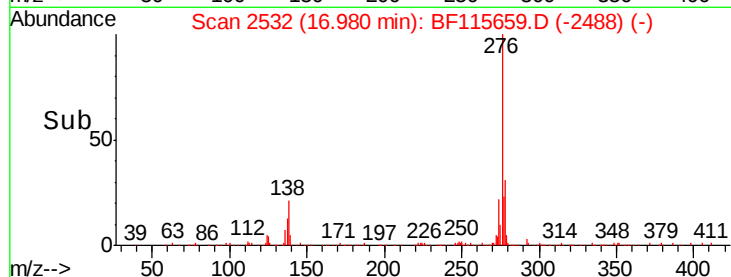
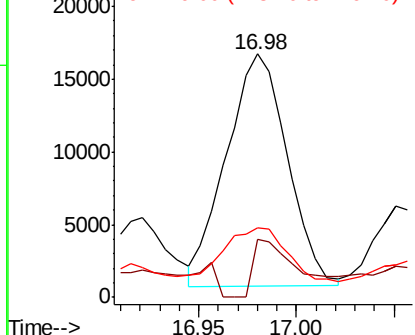


Abundance

Ion 278.00 (277.70 to 278.70): E

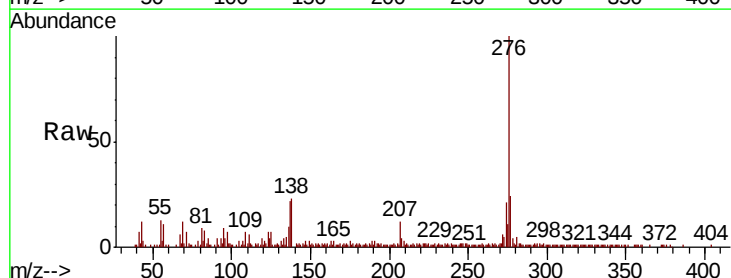
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 7.964 ng
RT: 17.42 min Scan# 2606
Delta R.T. -0.04 min
Lab File: BF115659.D
Acq: 18 Jul 2019 22:19

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	23.2	17.2	25.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

