

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071819\
 Data File : BF115654.D
 Acq On : 18 Jul 2019 18:18
 Operator : HP/JU
 Sample : K3875-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HJDC-S1

Manual Integrations
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 7/19/2019 3:58:37 PM

Quant Time: Jul 19 07:53:23 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	6.89	152	150626	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	585540	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	268908	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	439478	20.00	ng	0.00
76) Chrysene-d12	14.04	240	314769	20.00	ng	-0.01
87) Perylene-d12	15.51	264	333718	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	769104	83.52	ng	0.00
7) Phenol-d6	6.51	99	1046500	89.56	ng	0.00
23) Nitrobenzene-d5	7.44	82	604690	60.05	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	221172	70.46	ng	-0.01
45) 2-Fluorobiphenyl	9.24	172	946348	61.60	ng	-0.01
79) Terphenyl-d14	12.98	244	722424	42.35	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.19	128	165916	5.851	ng	95
37) 2-Methylnaphthalene	8.87	142	53088	2.824	ng	97
38) 1-Methylnaphthalene	8.97	142	45185	2.531	ng	98
50) Dimethylphthalate	9.63	163	162424	8.028	ng	# 97
52) Acenaphthene	9.95	154	95184	5.684	ng	94
55) Dibenzofuran	10.12	168	86213	3.625	ng	# 95
58) Fluorene	10.46	166	133054	7.826	ng	99
71) Phenanthrene	11.43	178	938236	41.649	ng	97
72) Anthracene	11.47	178	239746	10.298	ng	99
73) Carbazole	11.63	167	104669	5.127	ng	98
75) Fluoranthene	12.62	202	999080	41.969	ng	98
78) Pyrene	12.85	202	899843	33.742	ng	98
81) Benzo(a)anthracene	14.03	228	492076	23.729	ng	97
83) Chrysene	14.06	228	426607	20.493	ng	96
86) Indeno(1,2,3-cd)pyrene	16.98	276	157347	8.897	ng	97
88) Benzo(b)fluoranthene	15.08	252	475427m	22.124	ng	
89) Benzo(k)fluoranthene	15.10	252	147581m	7.703	ng	
90) Benzo(a)pyrene	15.44	252	321267	17.395	ng	97
91) Dibenzo(a,h)anthracene	16.99	278	42888	2.645	ng	# 85
92) Benzo(a,h,i)perylene	17.43	276	138063	8.538	ng	99

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

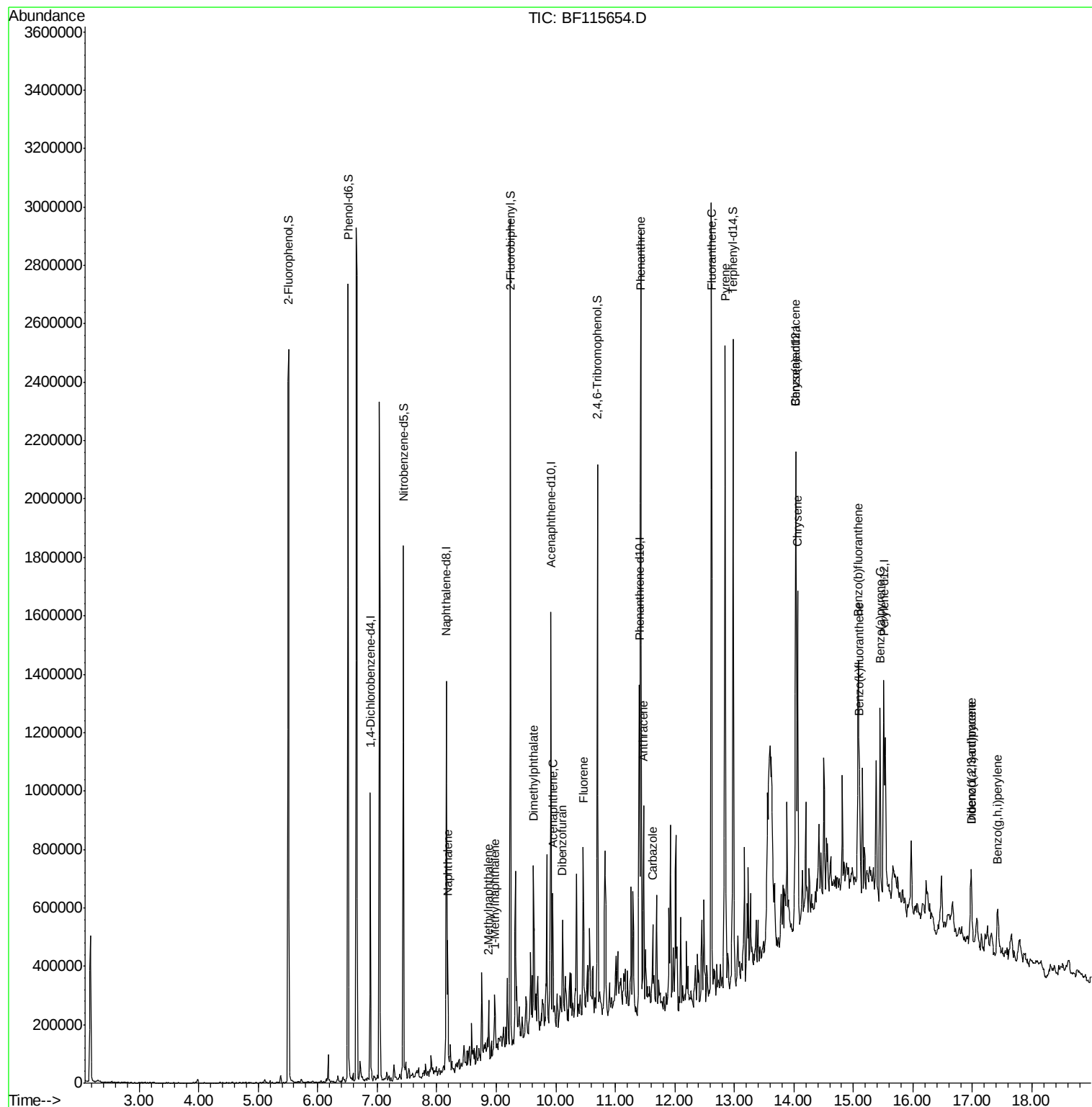
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071819\
Data File : BF115654.D
Acq On : 18 Jul 2019 18:18
Operator : HP/JU
Sample : K3875-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

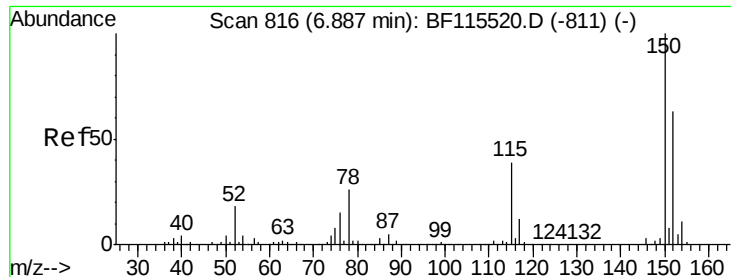
Instrument :
BNA_F
ClientSampleId :
HJDC-S1

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Quant Time: Jul 19 07:53:23 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

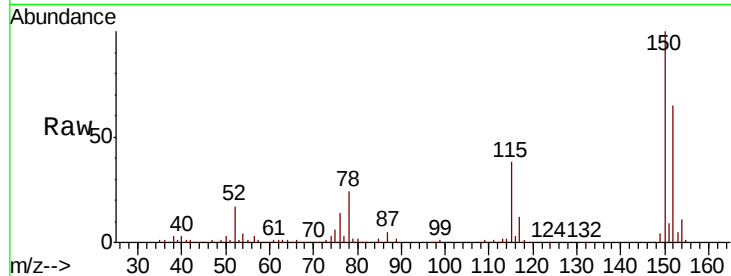
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.00 min
Lab File: BF115654.D
Acq: 18 Jul 2019 18:18

Instrument :
BNA_F
ClientSampleId :
HJDC-S1

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	129.7	194.5
115	58.1	48.2	72.4

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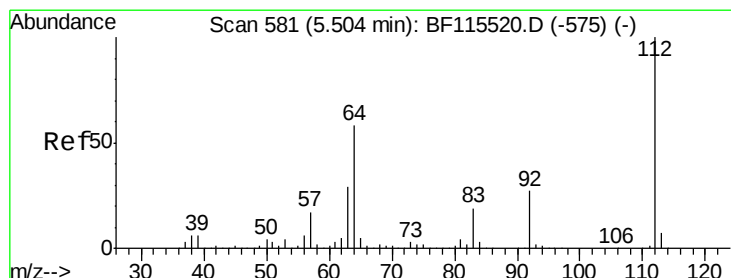
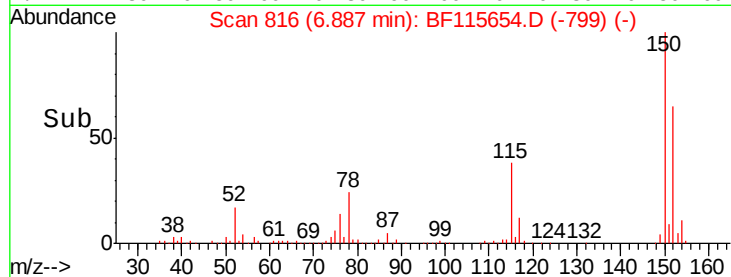
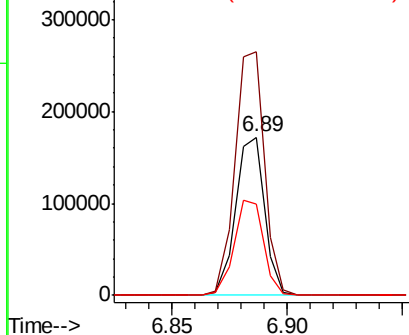


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

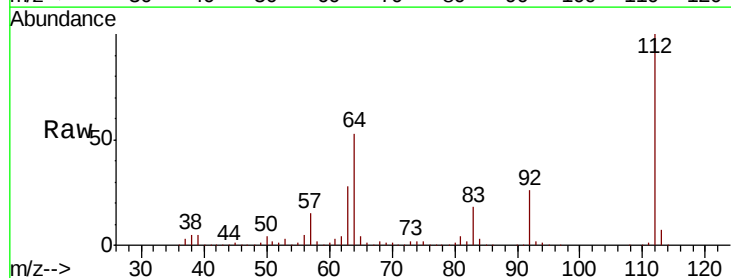
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 83.520 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.01 min
Lab File: BF115654.D
Acq: 18 Jul 2019 18:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	46.8	70.2
63	27.6	24.1	36.1

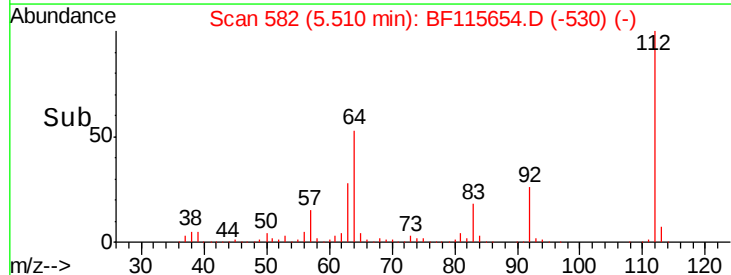
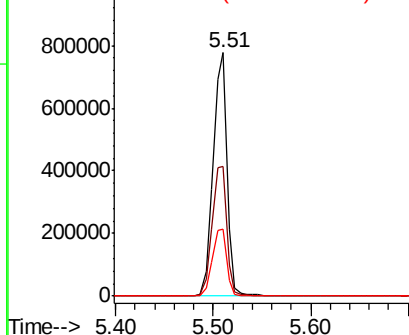


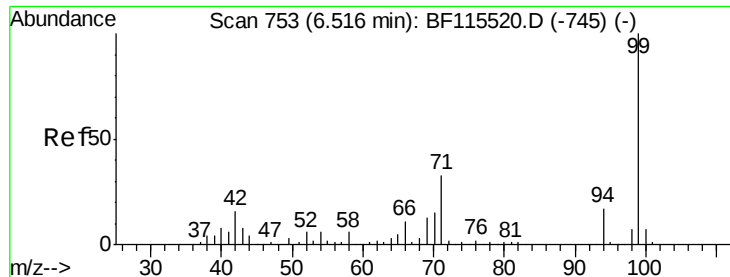
Abundance

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: 89.562 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF115654.D

Acq: 18 Jul 2019 18:18

Instrument :

BNA_F

ClientSampled :

HJDC-S1

Tot Ion: 99 Resp: 1046500

Ion Ratio Lower Upper

99 100

42 16.9 13.6 20.4

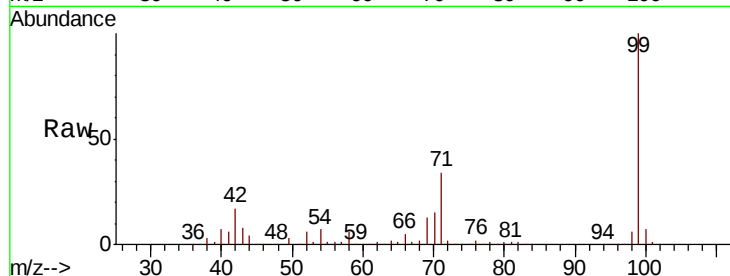
71 33.6 28.5 42.7

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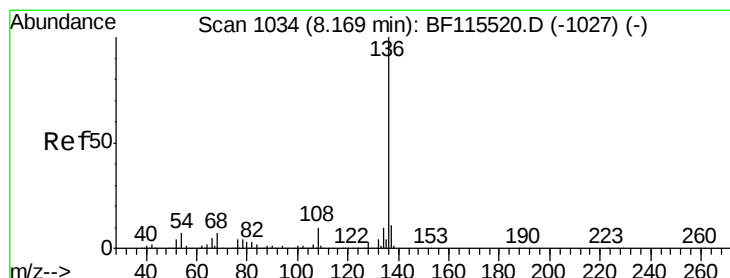
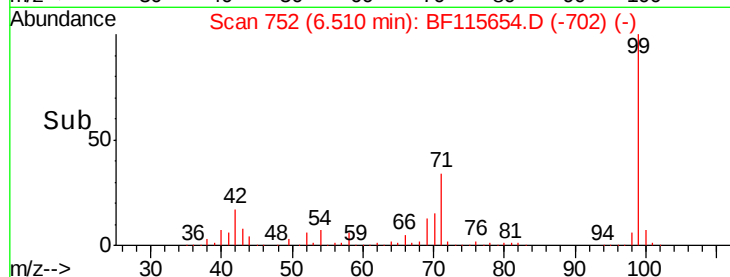
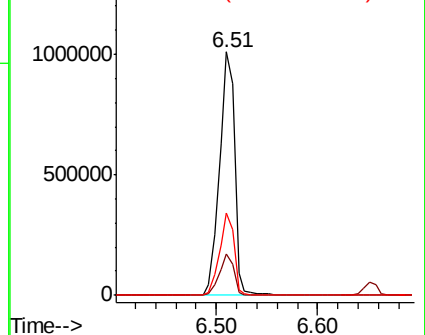
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115654.D

Acq: 18 Jul 2019 18:18

Tgt Ion: 136 Resp: 585540

Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.4 5.6 8.4

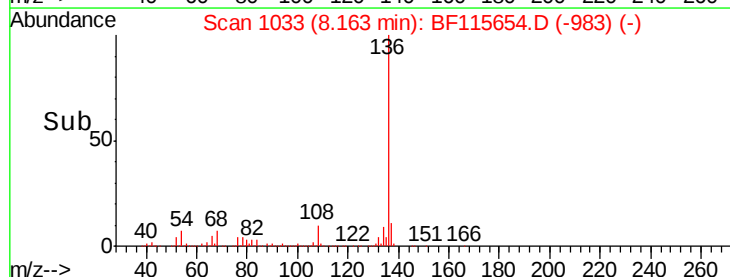
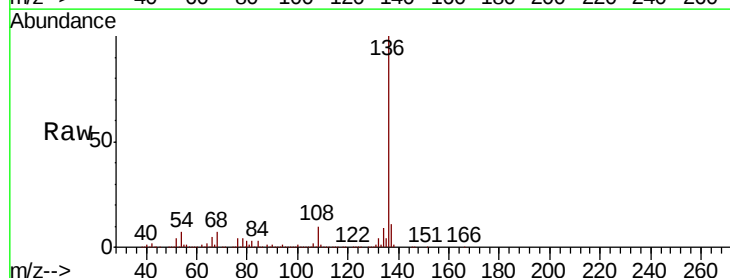
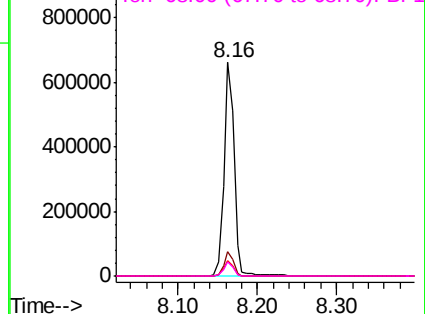
68 6.9 5.0 7.6

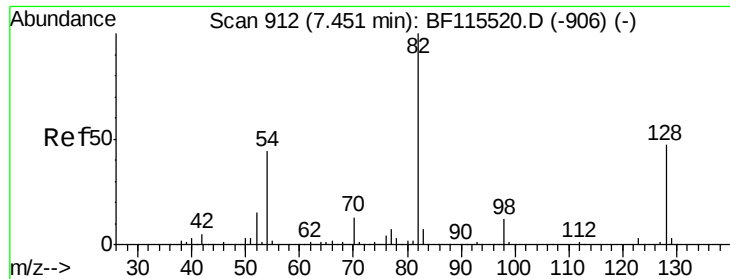
Abundance Ion 136.00 (135.70 to 136.70): E

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





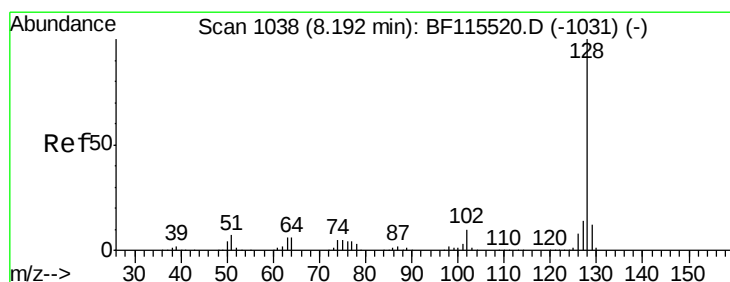
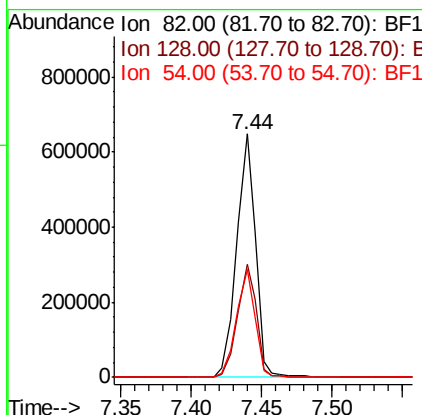
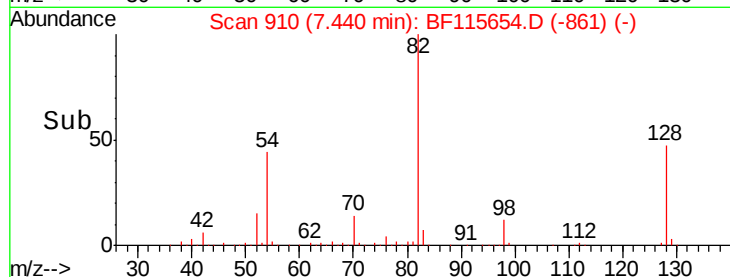
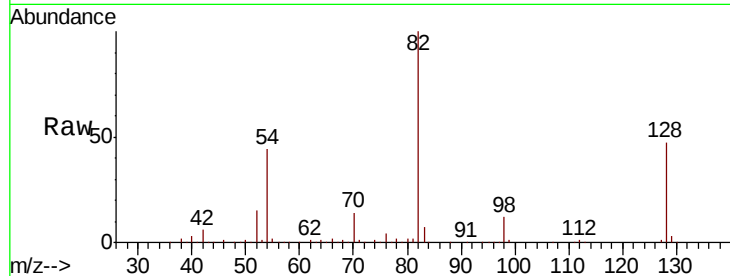
#23
Nitrobenzene-d5
Concen: 60.048 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF115654.D
Acq: 18 Jul 2019 18:18

Instrument :
BNA_F
ClientSampleId :
HJDC-S1

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.5	38.6	57.8
54	44.3	35.6	53.4

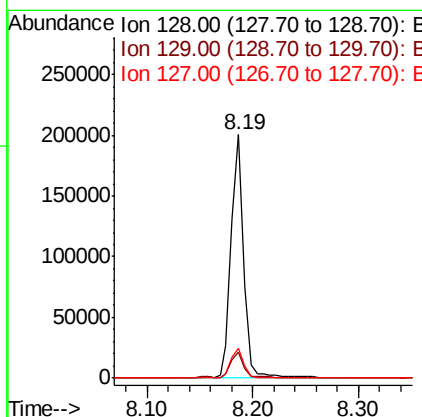
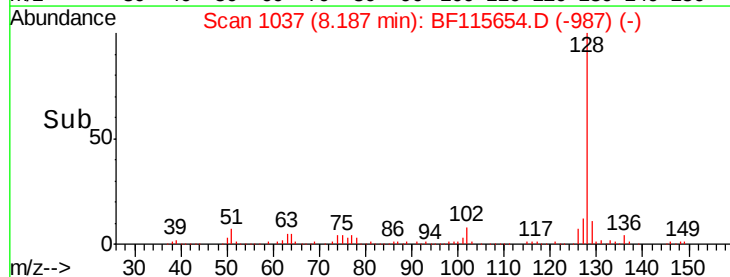
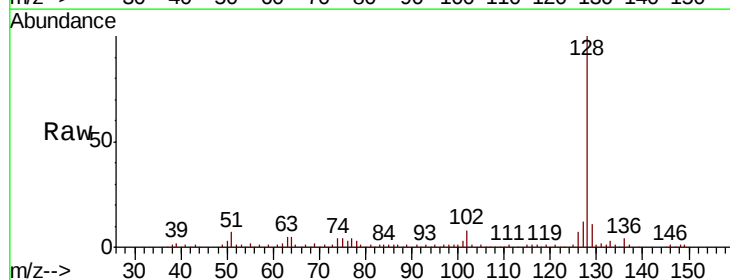
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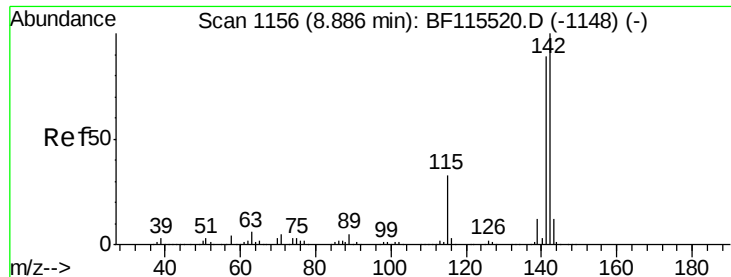
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#31
Naphthalene
Concen: 5.851 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF115654.D
Acq: 18 Jul 2019 18:18

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.9	14.9
127	12.4	12.1	18.1





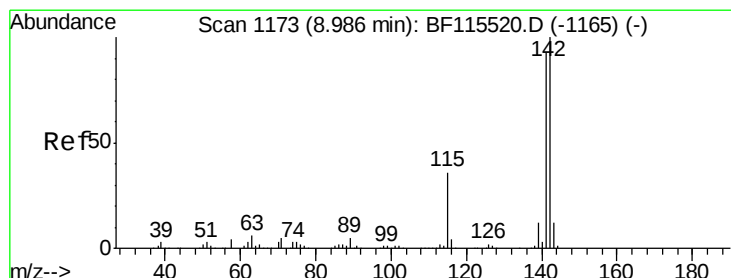
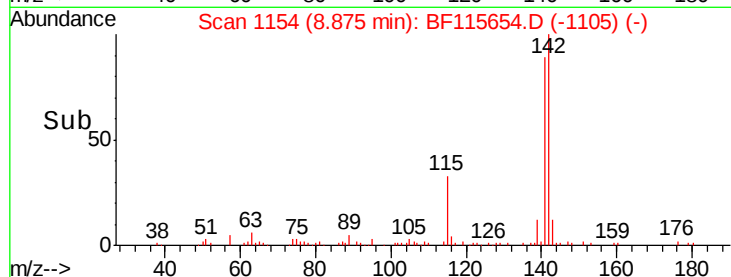
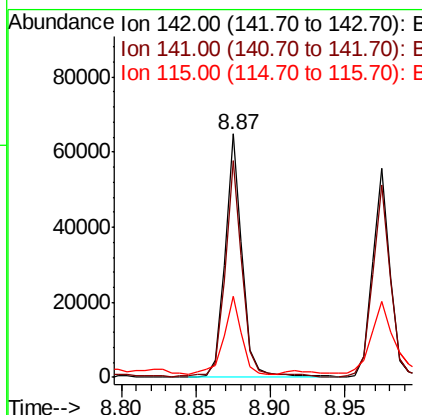
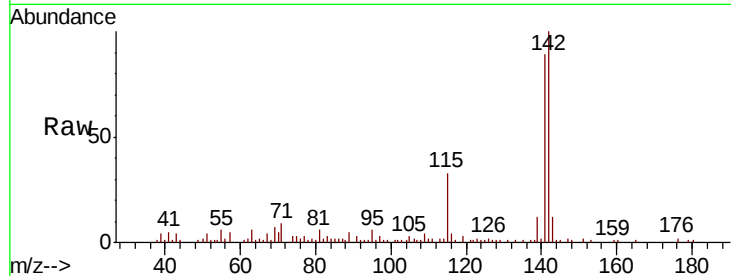
#37
2-Methylnaphthalene
Concen: 2.824 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BF115654.D
Acq: 18 Jul 2019 18:18

Instrument :
BNA_F
ClientSampleId :
HJDC-S1

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.2	72.0	108.0
115	33.2	29.9	44.9

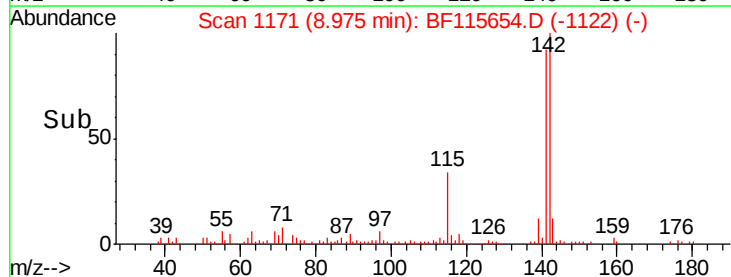
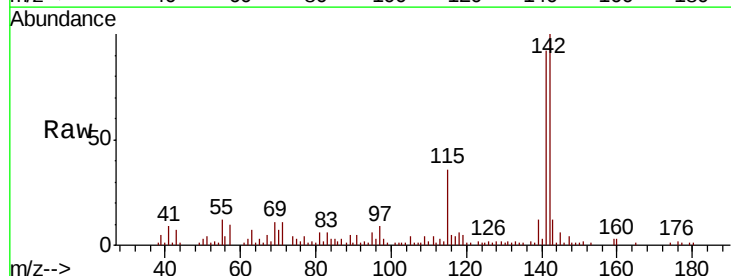
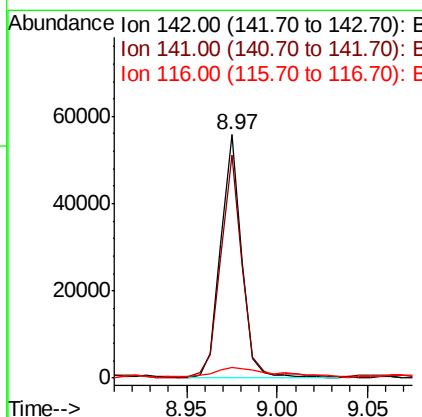
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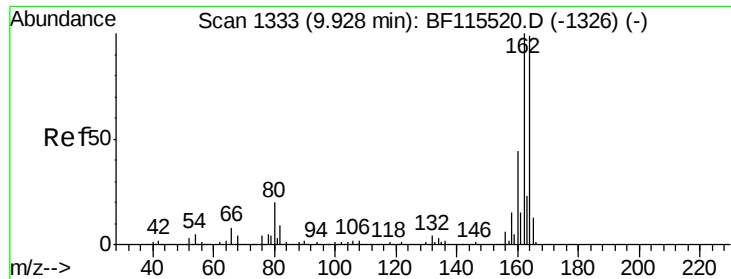
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#38
1-Methylnaphthalene
Concen: 2.531 ng
RT: 8.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF115654.D
Acq: 18 Jul 2019 18:18

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	75.3	112.9
116	4.6	3.3	4.9





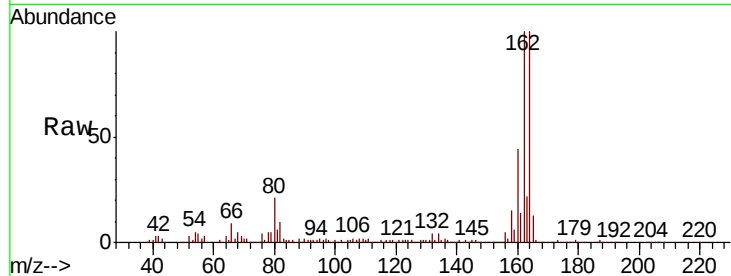
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF115654.D
Acq: 18 Jul 2019 18:18

Instrument :
BNA_F
ClientSampleId :
HJDC-S1

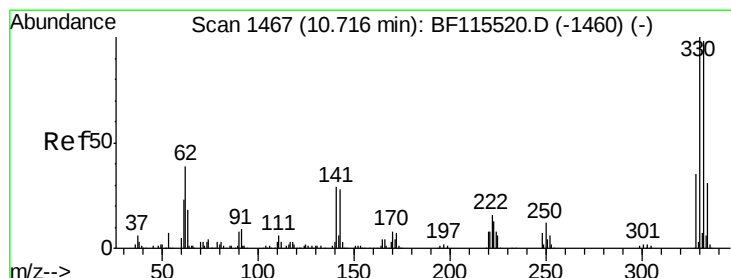
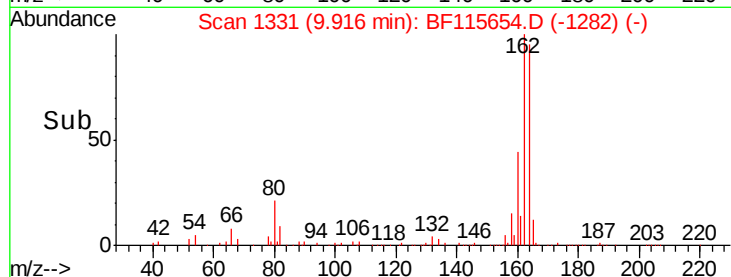
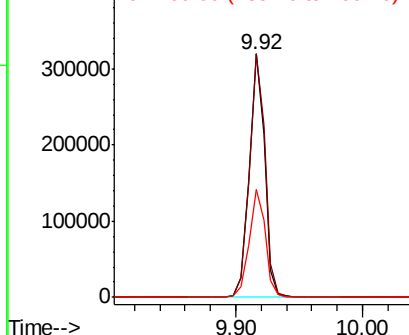
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.9	82.9	124.3	
160	44.3	36.8	55.2	

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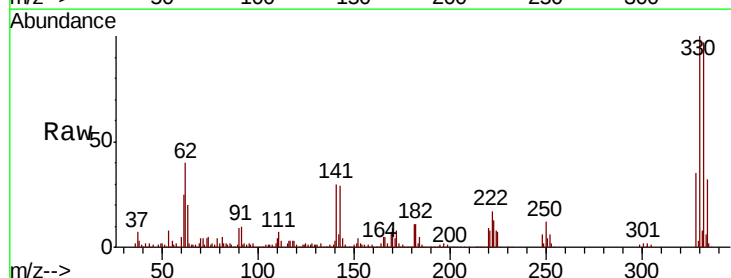


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

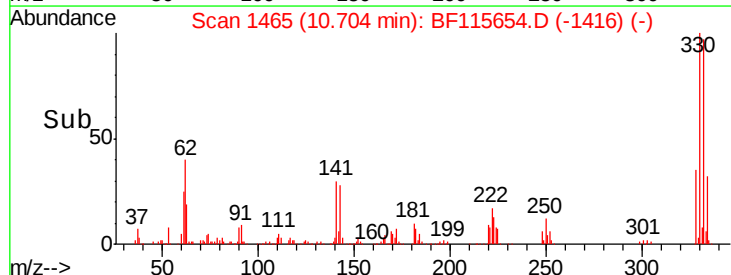
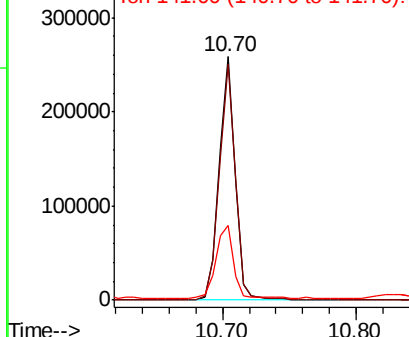


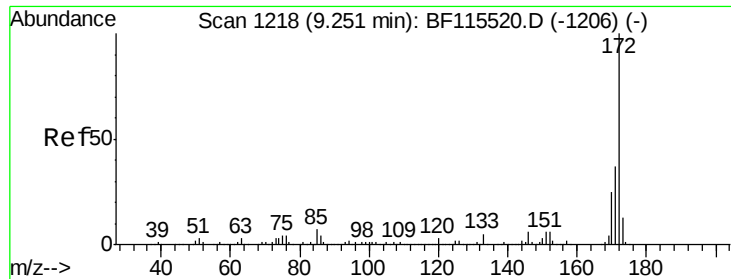
#42
2,4,6-Tribromophenol
Concen: 70.464 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF115654.D
Acq: 18 Jul 2019 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.5	77.4	116.2	
141	31.8	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





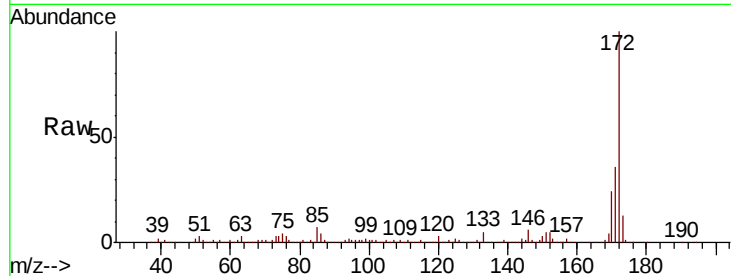
#45
2-Fluorobiphenyl
Concen: 61.596 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF115654.D
Acq: 18 Jul 2019 18:18

Instrument :
BNA_F
ClientSampled :
HJDC-S1

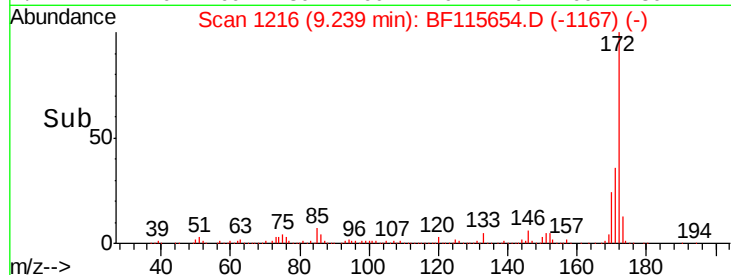
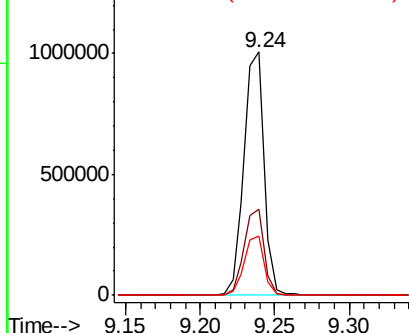
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.6	46.0
170	24.4	20.5	30.7

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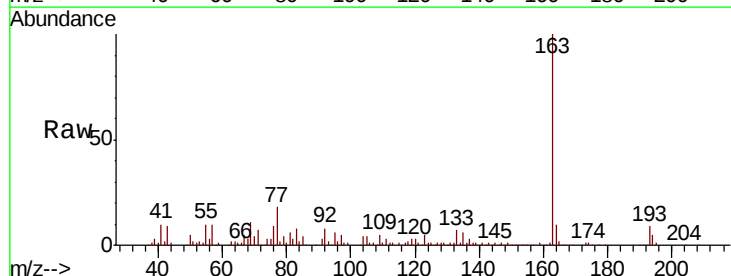
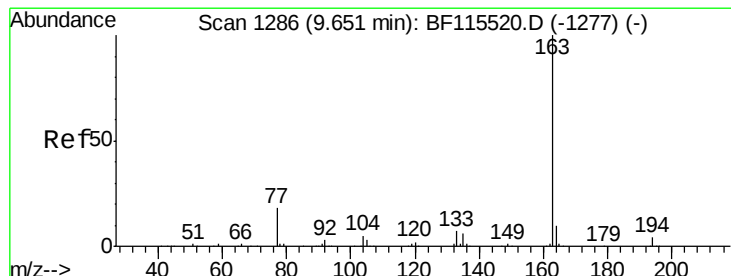
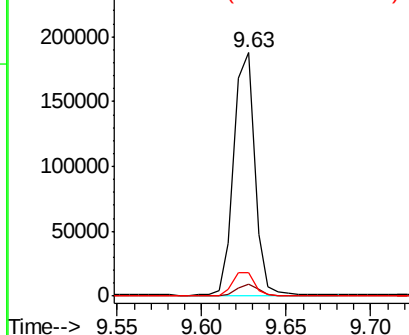
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

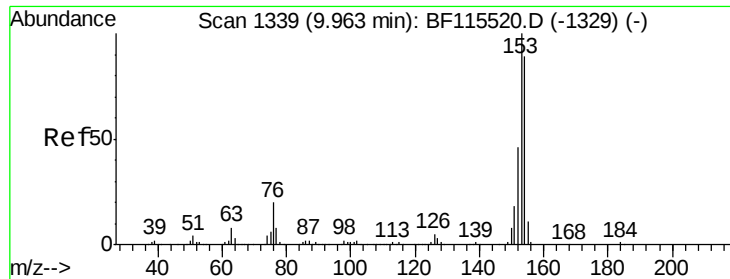


#50
Dimethylphthalate
Concen: 8.028 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF115654.D
Acq: 18 Jul 2019 18:18

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.1	3.3	4.9#
164	9.5	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: 5.684 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF115654.D

Acq: 18 Jul 2019 18:18

Instrument :

BNA_F

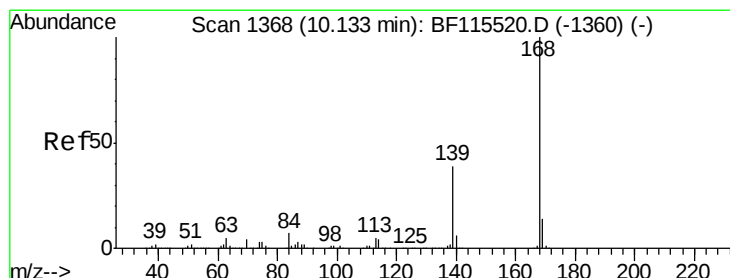
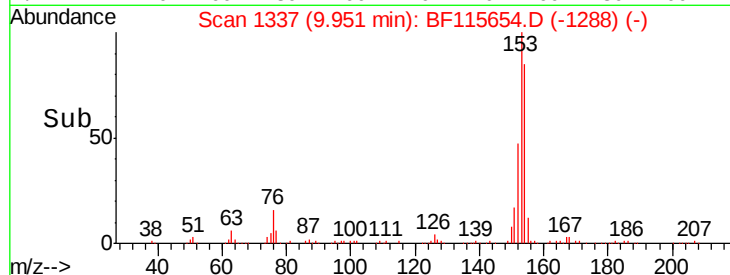
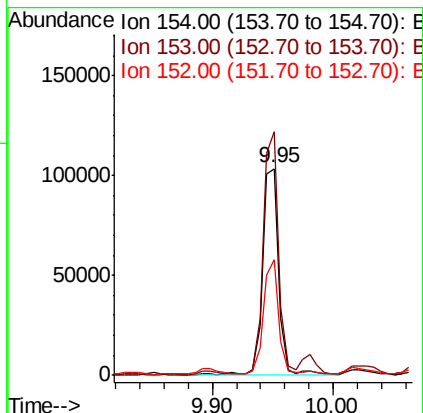
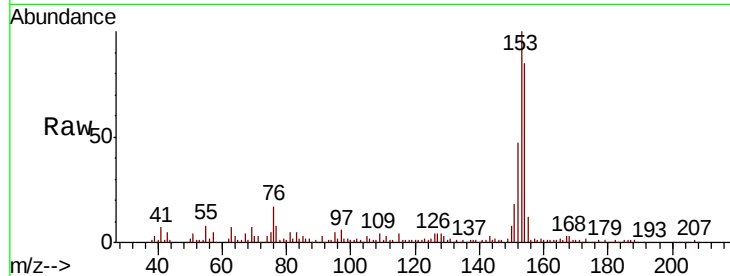
ClientSampleId :

HJDC-S1

Tot Ion:	154	Resp:	95184
Ion Ratio	Lower	Upper	
154	100		
153	117.7	88.6	133.0
152	55.6	42.3	63.5

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#55

Dibenzofuran

Concen: 3.625 ng

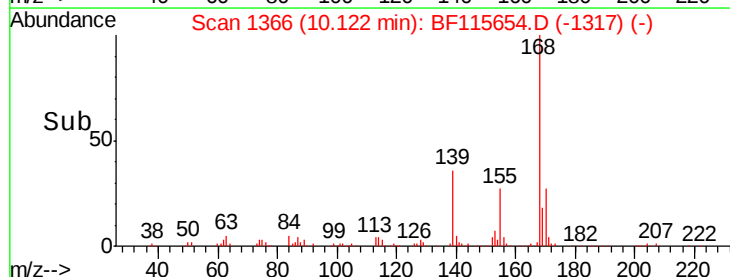
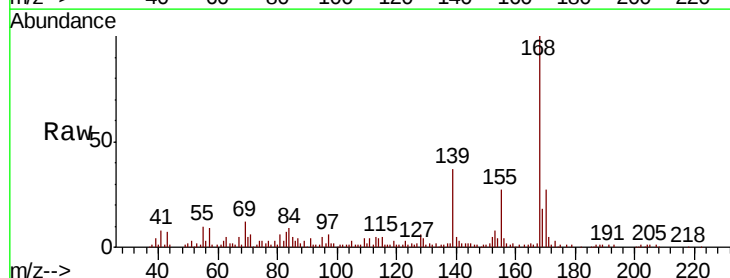
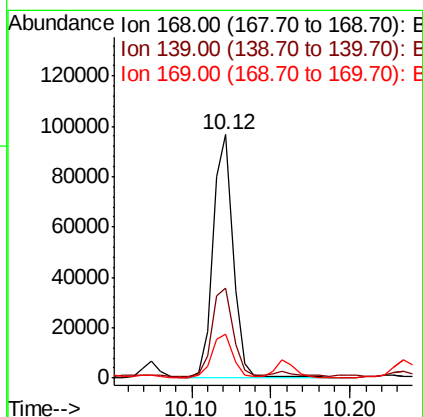
RT: 10.12 min Scan# 1366

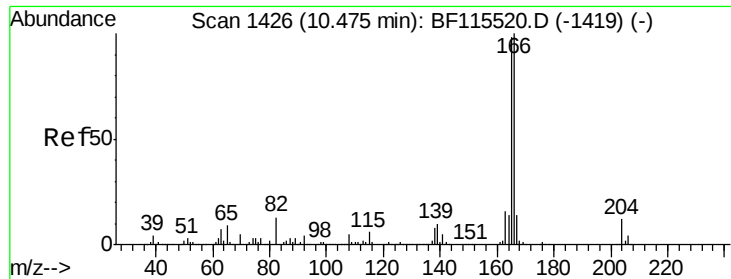
Delta R.T. -0.01 min

Lab File: BF115654.D

Acq: 18 Jul 2019 18:18

Tgt Ion:	168	Resp:	86213
Ion Ratio	Lower	Upper	
168	100		
139	36.7	31.1	46.7
169	17.8	11.1	16.7#





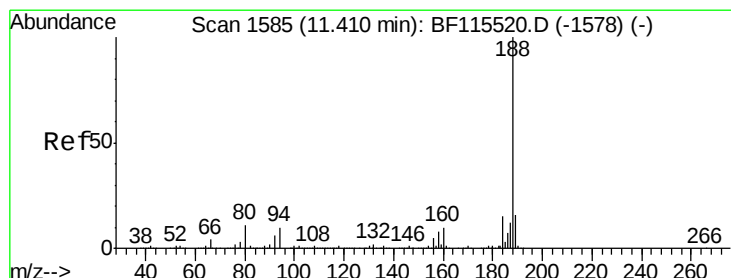
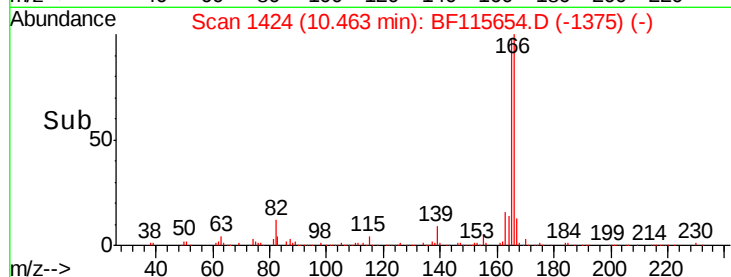
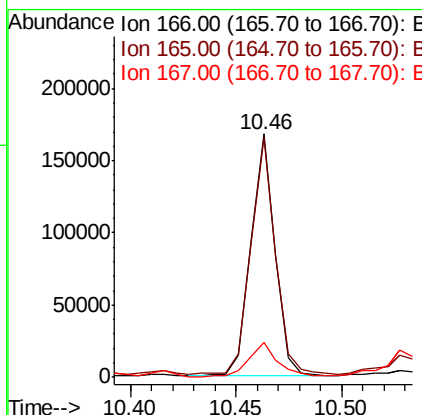
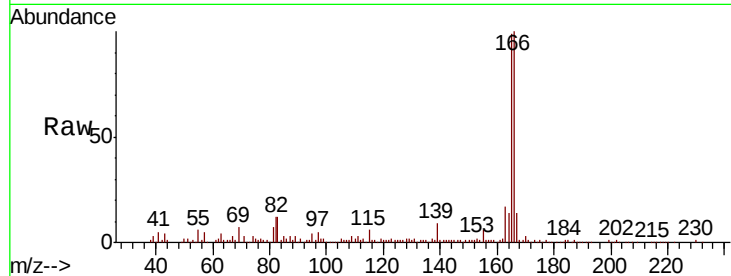
#58
 Fluorene
 Concen: 7.826 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF115654.D
 Acq: 18 Jul 2019 18:18

Instrument :
 BNA_F
 ClientSampleId :
 HJDC-S1

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.8	119.6
167	14.2	11.2	16.8

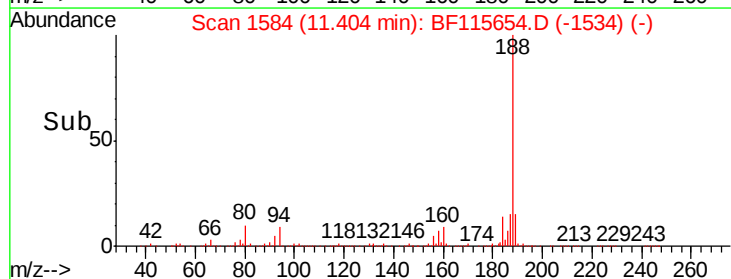
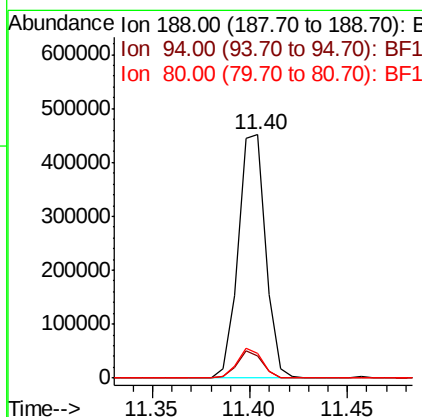
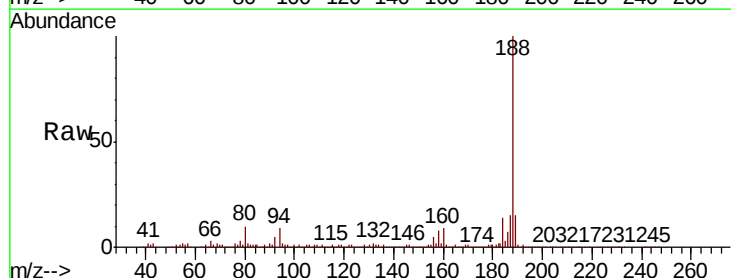
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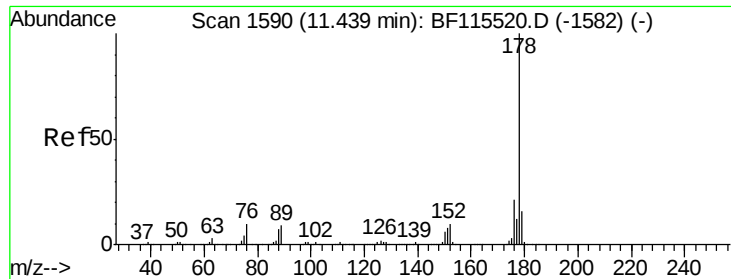
mohammad
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF115654.D
 Acq: 18 Jul 2019 18:18

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.8	11.6
80	10.0	8.6	13.0





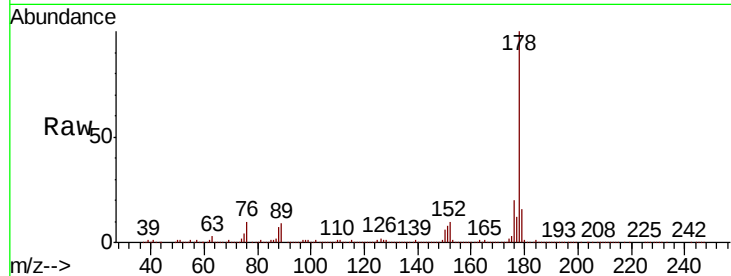
#71
Phenanthrene
Concen: 41.649 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF115654.D
Acq: 18 Jul 2019 18:18

Instrument :
BNA_F
ClientSampled :
HJDC-S1

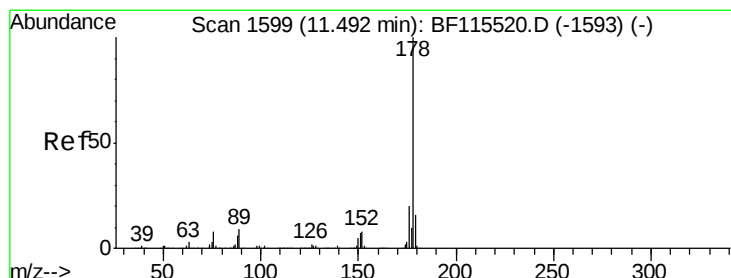
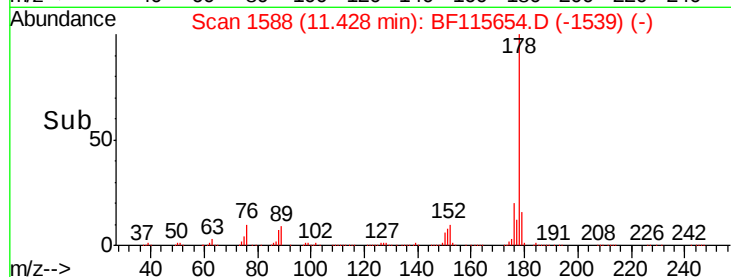
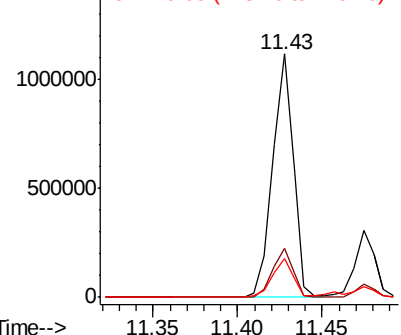
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	17.2	25.8
179	16.0	13.5	20.3

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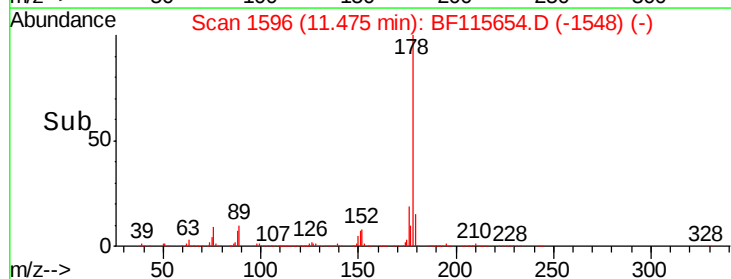
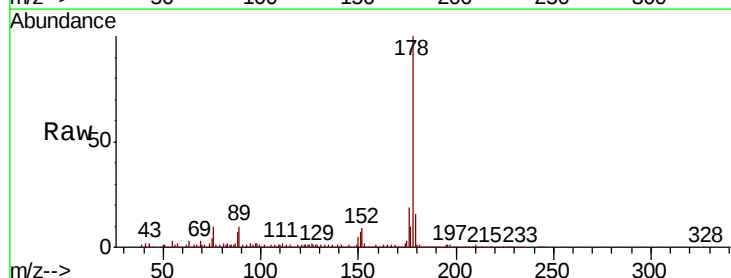
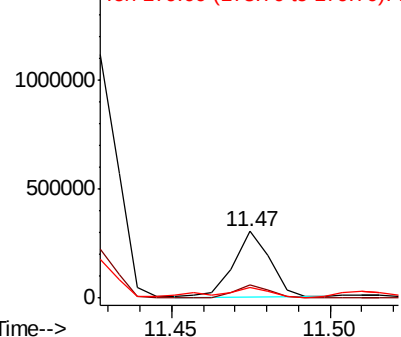
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

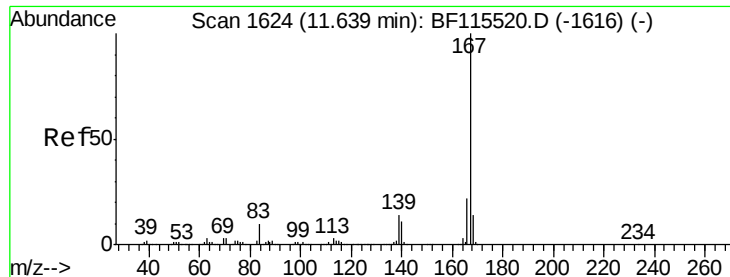


#72
Anthracene
Concen: 10.298 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.02 min
Lab File: BF115654.D
Acq: 18 Jul 2019 18:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.9	23.9
179	15.9	12.7	19.1

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





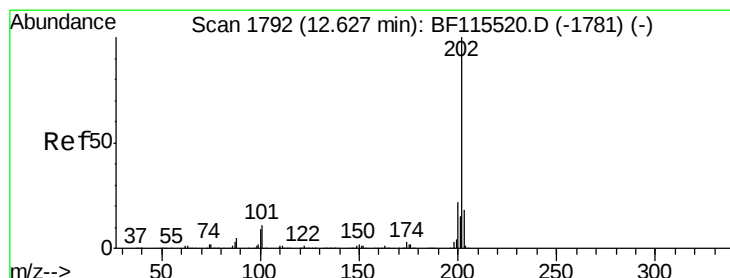
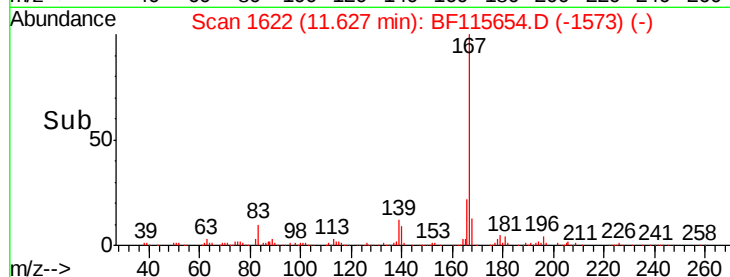
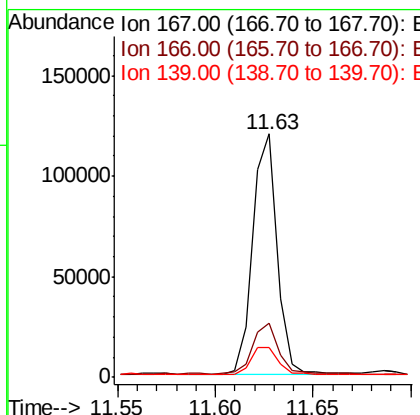
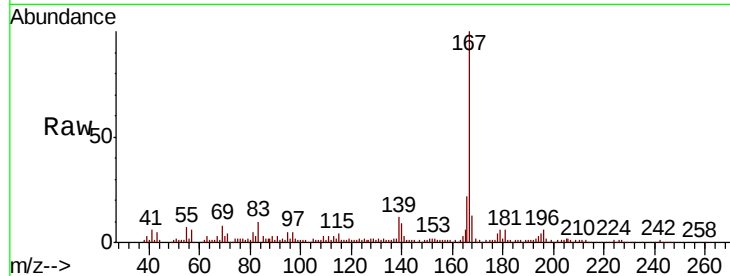
#73
 Carbazole
 Concen: 5.127 ng
 RT: 11.63 min Scan# 1622
 Delta R.T. -0.01 min
 Lab File: BF115654.D
 Acq: 18 Jul 2019 18:18

Instrument :
 BNA_F
 ClientSampleId :
 HJDC-S1

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.4	18.1	27.1
139	12.5	11.3	16.9

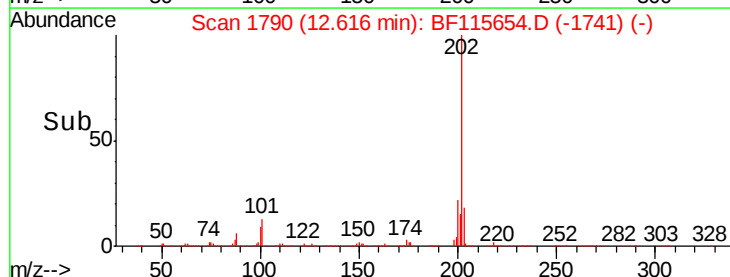
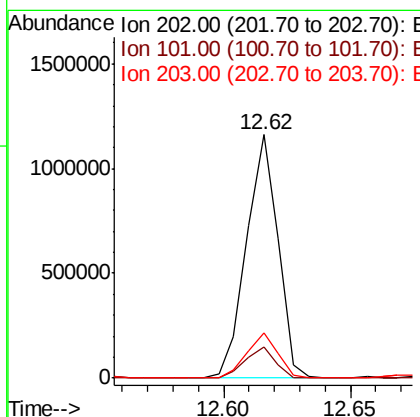
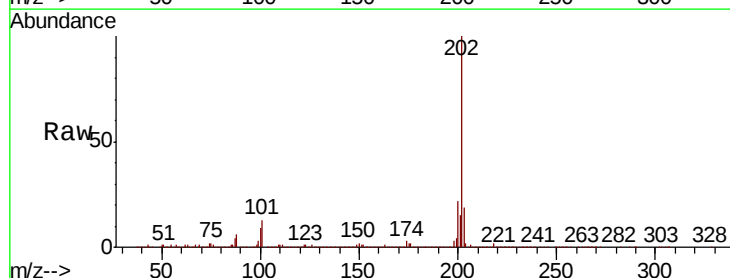
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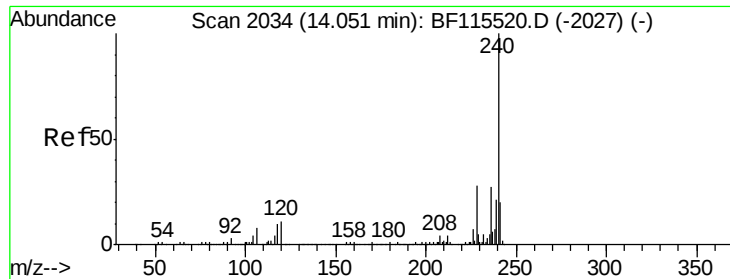
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#75
 Fluoranthene
 Concen: 41.969 ng
 RT: 12.62 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: BF115654.D
 Acq: 18 Jul 2019 18:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	31.4
203	18.5	0.0	38.1





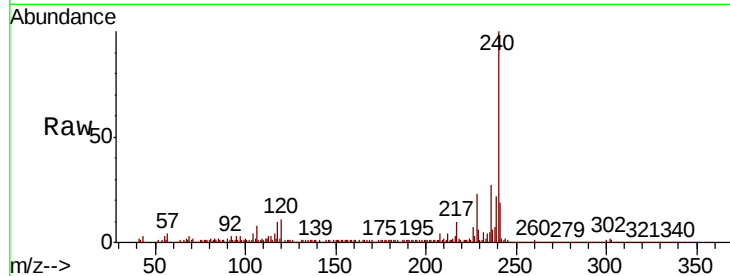
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF115654.D
Acq: 18 Jul 2019 18:18

Instrument :
BNA_F
ClientSampleId :
HJDC-S1

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.4	8.6	13.0
236	26.6	21.3	31.9

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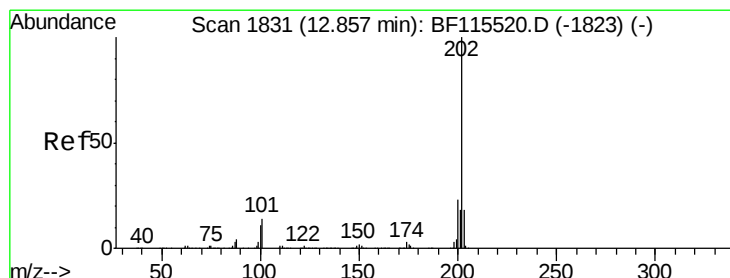
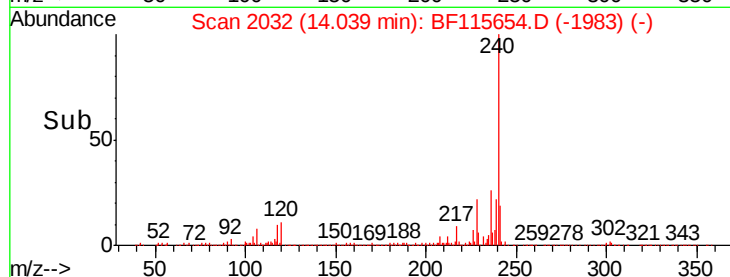
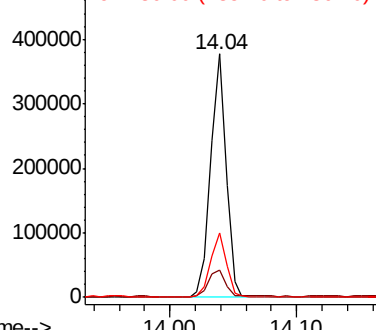


Abundance

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: 33.742 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF115654.D
Acq: 18 Jul 2019 18:18

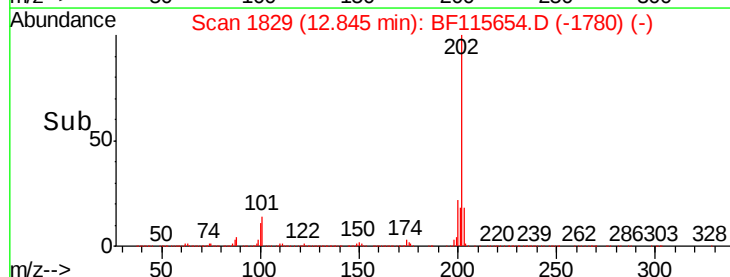
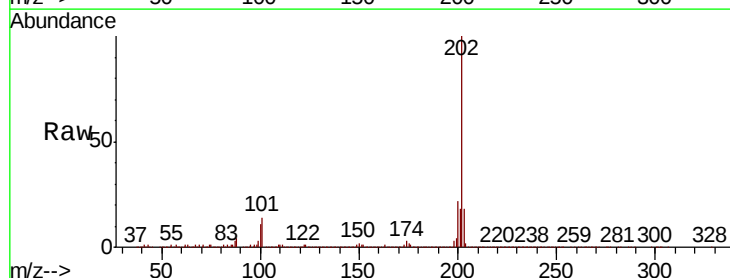
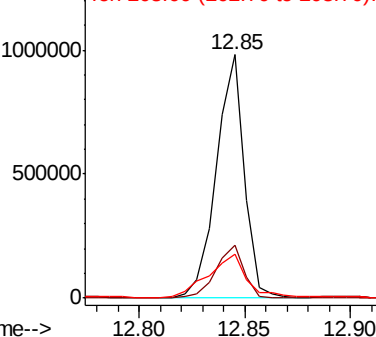
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	18.7	28.1
203	18.2	15.2	22.8

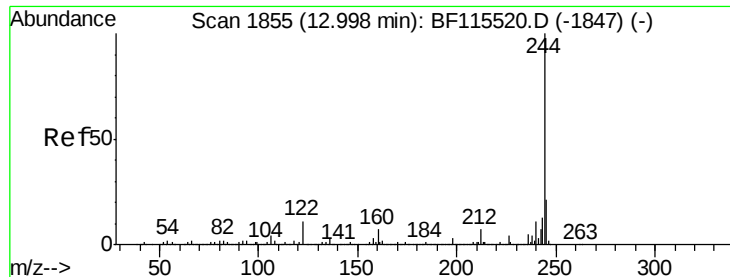
Abundance

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





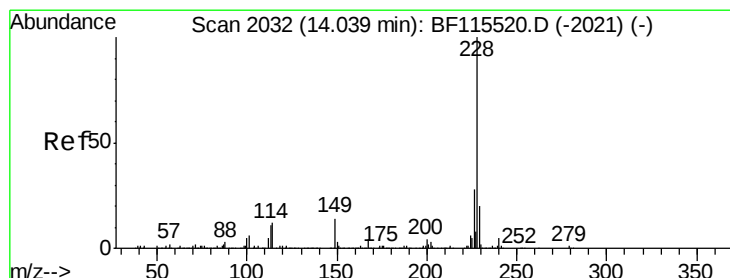
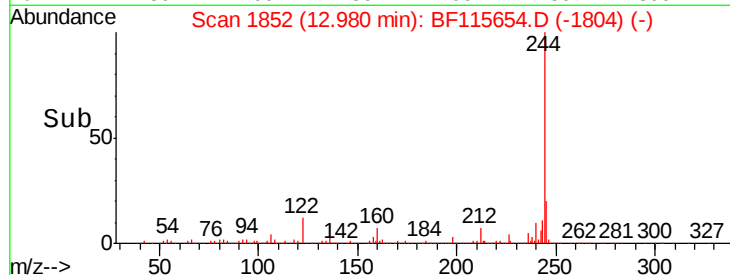
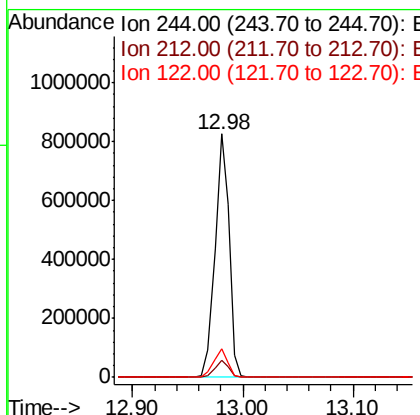
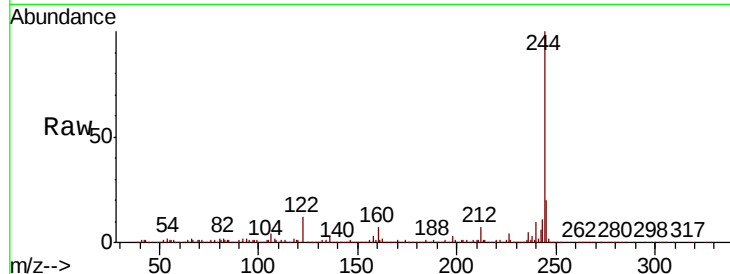
#79
 Terphenyl-d14
 Concen: 42.348 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.02 min
 Lab File: BF115654.D
 Acq: 18 Jul 2019 18:18

Instrument :
 BNA_F
 ClientSampled :
 HJDC-S1

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	11.9	8.6	12.8

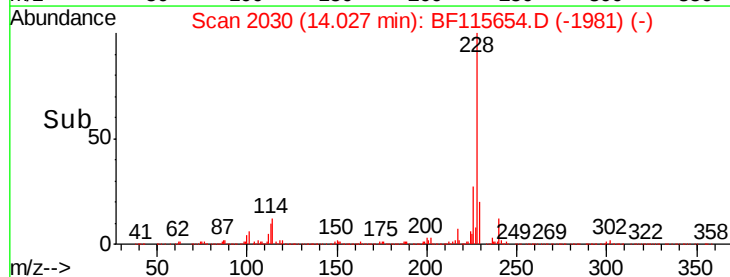
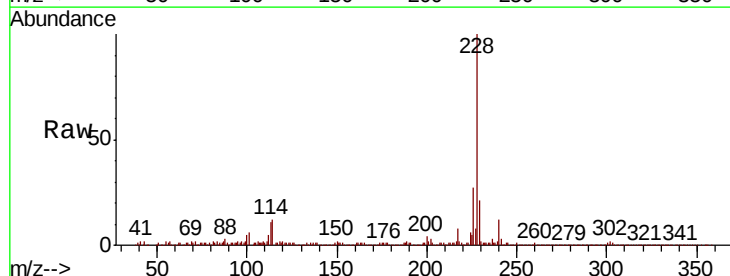
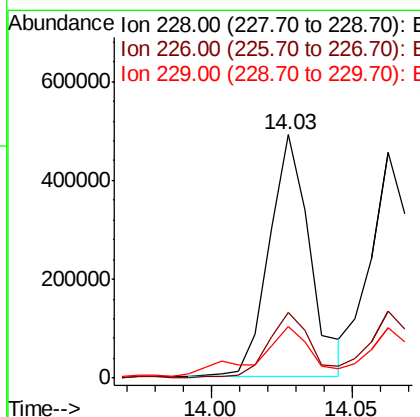
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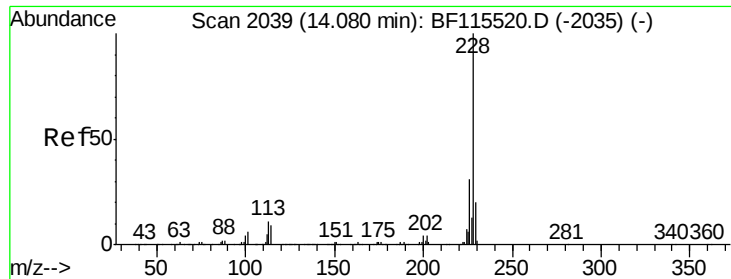
mohammad
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#81
 Benzo(a)anthracene
 Concen: 23.729 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF115654.D
 Acq: 18 Jul 2019 18:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	23.4	35.0
229	21.1	17.2	25.8





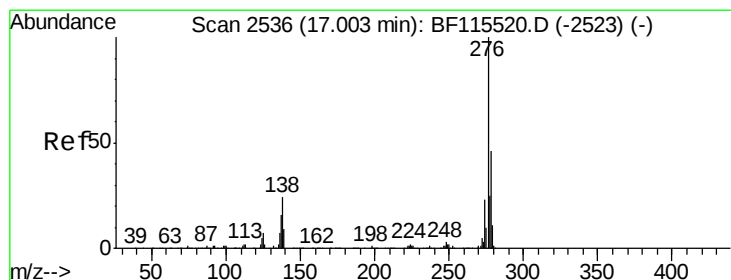
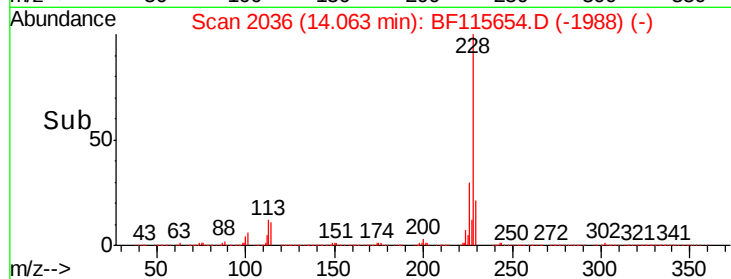
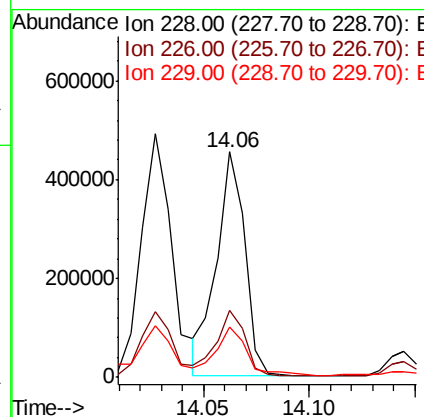
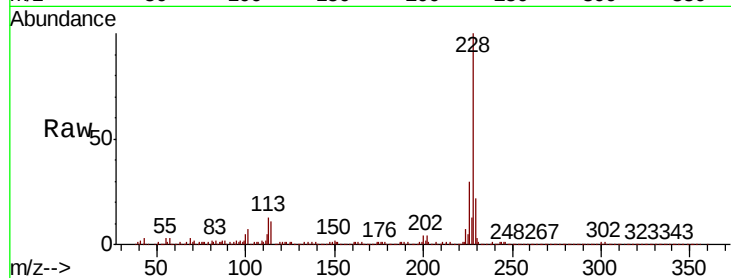
#83
Chrysene
Concen: 20.493 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.02 min
Lab File: BF115654.D
Acq: 18 Jul 2019 18:18

Instrument :
BNA_F
ClientSampleId :
HJDC-S1

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.7	38.5
229	22.3	16.6	25.0

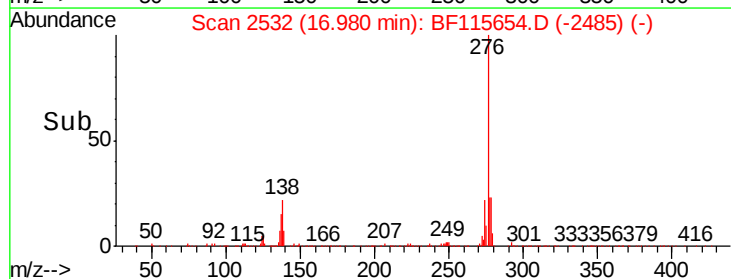
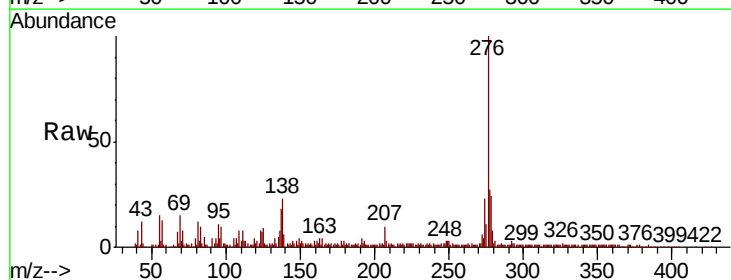
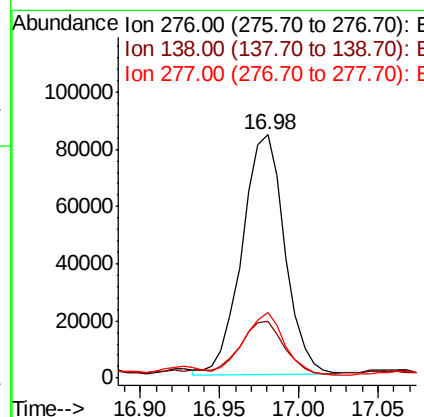
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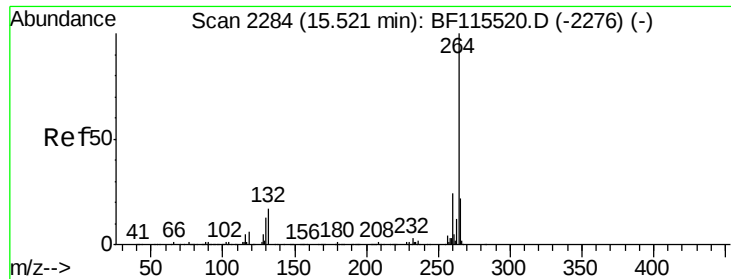
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 8.897 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.02 min
Lab File: BF115654.D
Acq: 18 Jul 2019 18:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.6	20.2	30.2
277	24.8	20.4	30.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.51 min Scan# 2282

Delta R.T. -0.01 min

Lab File: BF115654.D

Acq: 18 Jul 2019 18:18

Instrument :

BNA_F

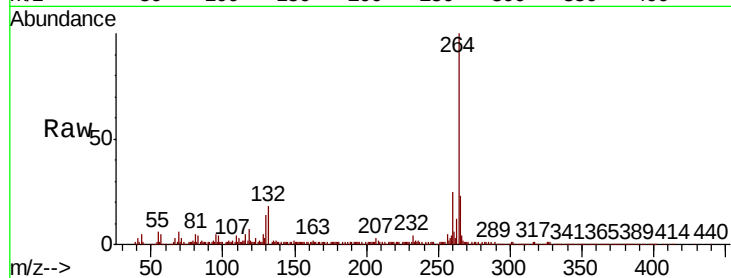
ClientSampleId :

HJDC-S1

Tot Ion:	264	Resp:	333718
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.8	29.8
265	22.6	17.7	26.5

Manual Integrations
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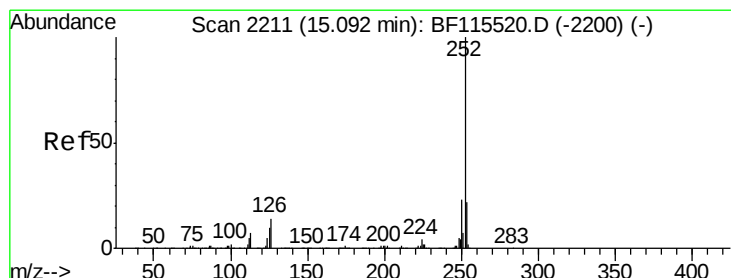
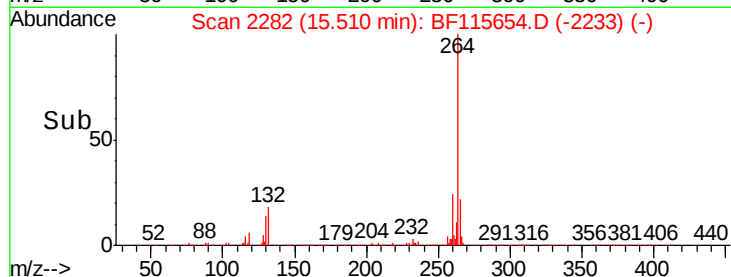
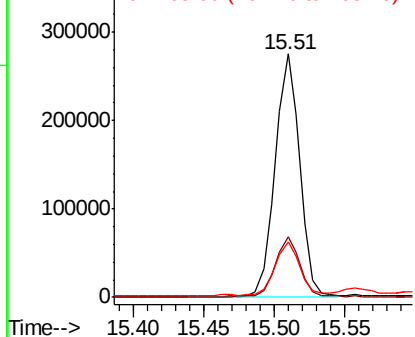


Abundance

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: 22.124 ng m

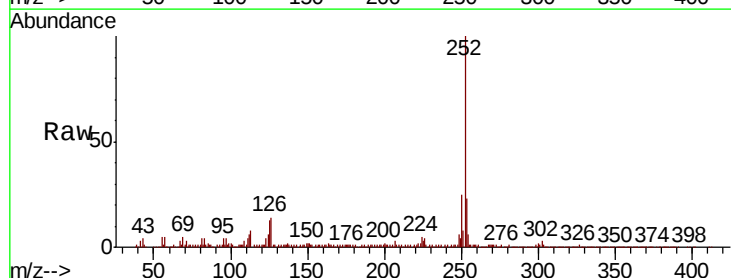
RT: 15.08 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BF115654.D

Acq: 18 Jul 2019 18:18

Tgt Ion:	252	Resp:	475427
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.1	27.1
125	12.7	9.0	13.4

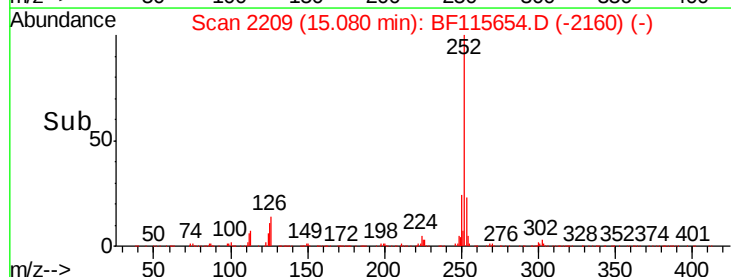
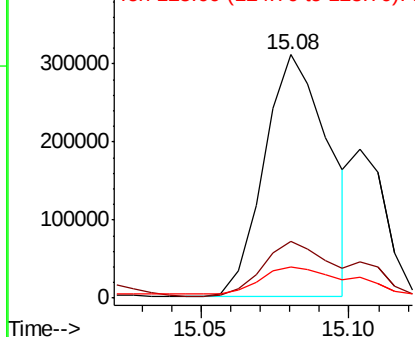


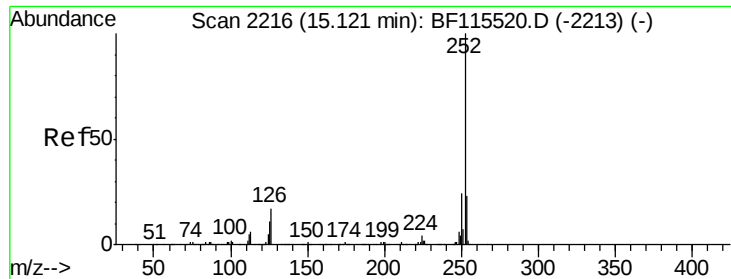
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 7.703 ng m

RT: 15.10 min Scan# 2213

Delta R.T. -0.02 min

Lab File: BF115654.D

Acq: 18 Jul 2019 18:18

Instrument :

BNA_F

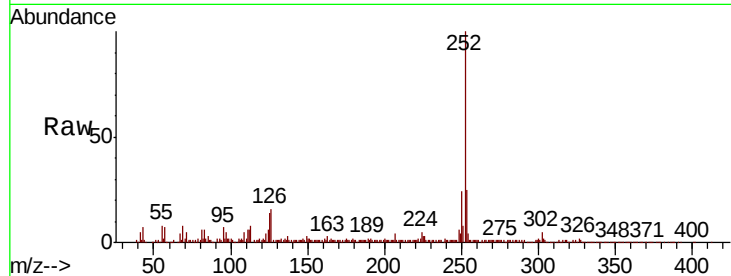
ClientSampleId :

HJDC-S1

Tot Ion:	252	Resp:	147581
Ion Ratio	Lower	Upper	
252	100		
253	24.7	18.6	28.0
125	13.7	9.0	13.6#

Manual Integrations
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mohammad
7/19/2019 3:58:37 PM

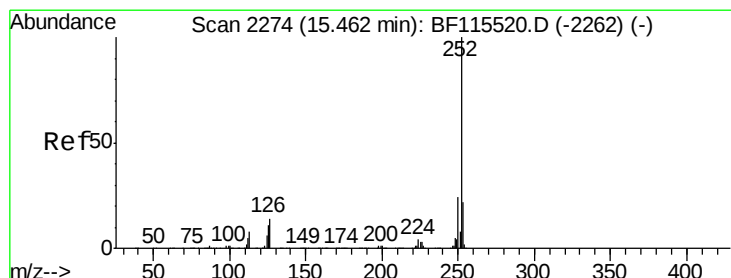
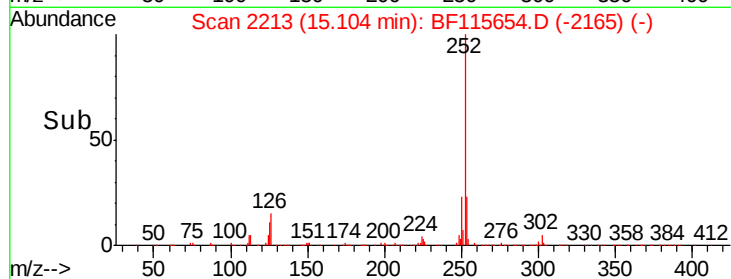
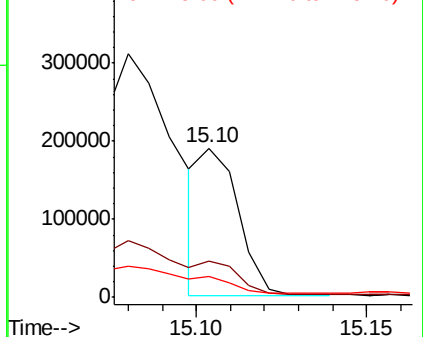


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 17.395 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.02 min

Lab File: BF115654.D

Acq: 18 Jul 2019 18:18

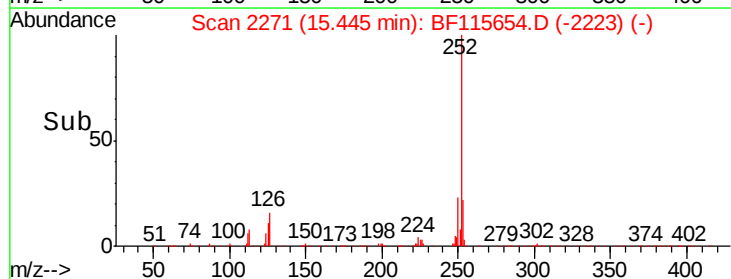
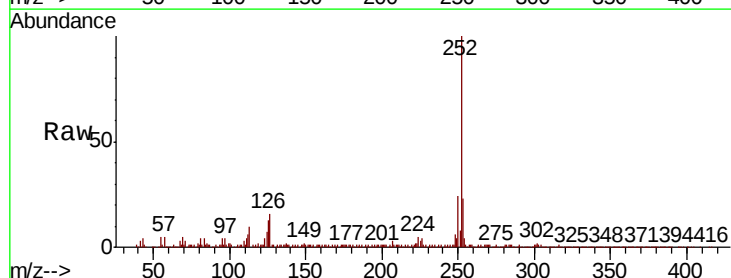
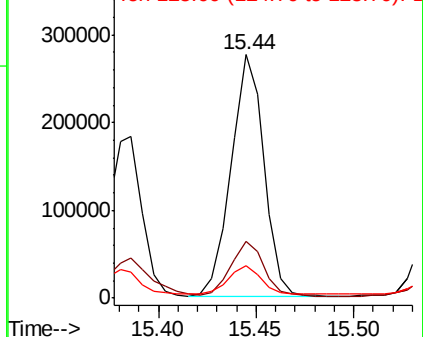
Tgt Ion:	252	Resp:	321267
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.8	26.6
125	13.2	9.1	13.7

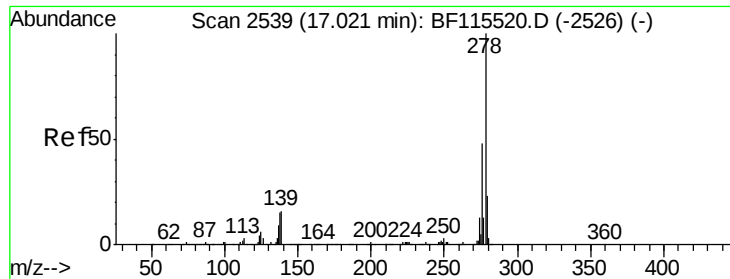
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





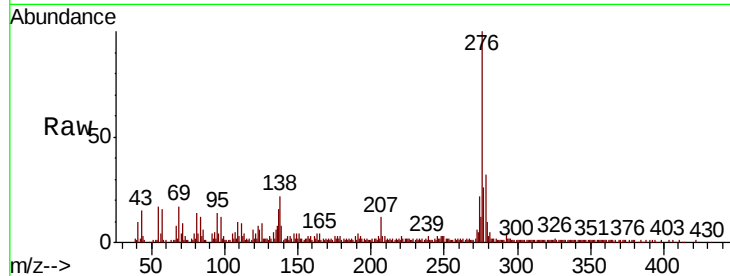
#91
Dibenzo(a,h)anthracene
Concen: 2.645 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.04 min
Lab File: BF115654.D
Acq: 18 Jul 2019 18:18

Instrument :
BNA_F
ClientSampleId :
HJDC-S1

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.2	13.1	19.7#
279	30.5	19.6	29.4#

Manual Integrations
APPROVED

mohammad
7/19/2019 3:58:37 PM

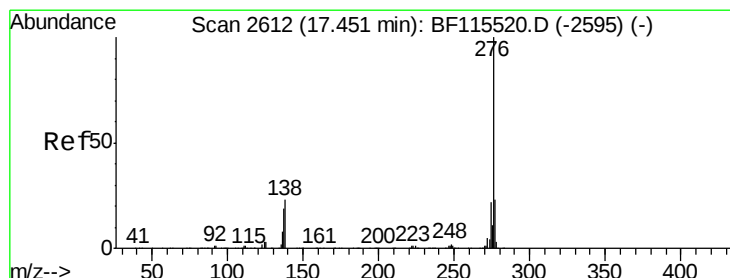
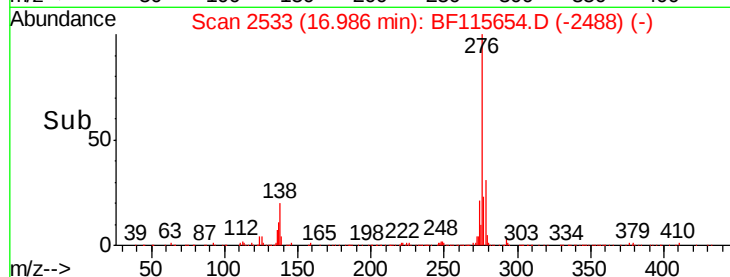
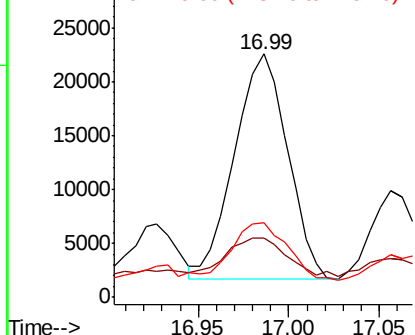


Abundance

Ion 278.00 (277.70 to 278.70): E

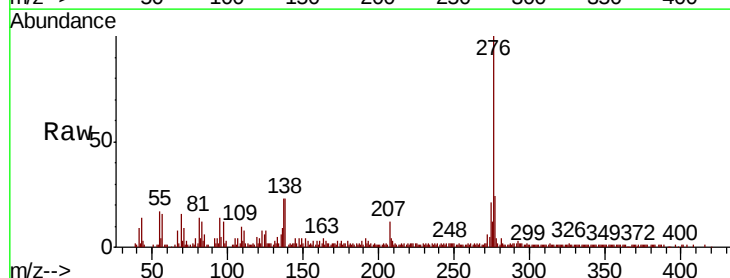
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 8.538 ng
RT: 17.43 min Scan# 2608
Delta R.T. -0.02 min
Lab File: BF115654.D
Acq: 18 Jul 2019 18:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.4
138	22.6	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

