

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072319\
 Data File : BF115737.D
 Acq On : 23 Jul 2019 23:28
 Operator : HP/JU
 Sample : K3618-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072219

Manual Integrations
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mohammad
 7/24/2019 11:35:06 AM

Quant Time: Jul 24 07:14:24 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	6.87	152	179628	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	714429	20.00	ng	-0.02
39) Acenaphthene-d10	9.90	164	380691	20.00	ng	-0.02
64) Phenanthrene-d10	11.39	188	612109	20.00	ng	-0.02
76) Chrysene-d12	14.03	240	342463	20.00	ng	-0.02
87) Perylene-d12	15.50	264	437423	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	955468	87.01	ng	0.00
7) Phenol-d6	6.50	99	1257873	90.27	ng	-0.01
23) Nitrobenzene-d5	7.43	82	813584	66.22	ng	-0.02
42) 2,4,6-Tribromophenol	10.69	330	328956	74.03	ng	-0.02
45) 2-Fluorobiphenyl	9.23	172	1375304	63.23	ng	-0.02
79) Terphenyl-d14	12.97	244	1205890	64.97	ng	-0.02

Target Compounds				Qvalue		
31) Naphthalene	8.17	128	745099	21.535	ng	96
37) 2-Methylnaphthalene	8.86	142	314831	13.727	ng	98
38) 1-Methylnaphthalene	8.96	142	212799	9.768	ng	97
46) 1,1'-Biphenyl	9.33	154	98510	3.310	ng	95
50) Dimethylphthalate	9.62	163	227138	7.930	ng	98
52) Acenaphthene	9.94	154	361587	15.252	ng	100
55) Dibenzofuran	10.11	168	498790	14.815	ng	98
58) Fluorene	10.46	166	664979	27.629	ng	98
71) Phenanthrene	11.43	178	2715970	86.562	ng	100
72) Anthracene	11.47	178	984173	30.351	ng	99
73) Carbazole	11.62	167	222168	7.813	ng	99
75) Fluoranthene	12.62	202	2360862	71.204	ng	98
78) Pyrene	12.84	202	2078380	71.632	ng	99
81) Benzo(a)anthracene	14.02	228	1002674	44.442	ng	99
83) Chrysene	14.06	228	807621	35.659	ng	96
86) Indeno(1,2,3-cd)pyrene	16.98	276	516099	26.822	ng	95
88) Benzo(b)fluoranthene	15.07	252	1056044m	37.493	ng	
89) Benzo(k)fluoranthene	15.10	252	367258m	14.625	ng	
90) Benzo(a)pyrene	15.44	252	842961	34.820	ng	98
91) Dibenzo(a,h)anthracene	16.99	278	134350	6.321	ng	95
92) Benzo(g,h,i)perylene	17.43	276	476692	22.490	ng	99

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

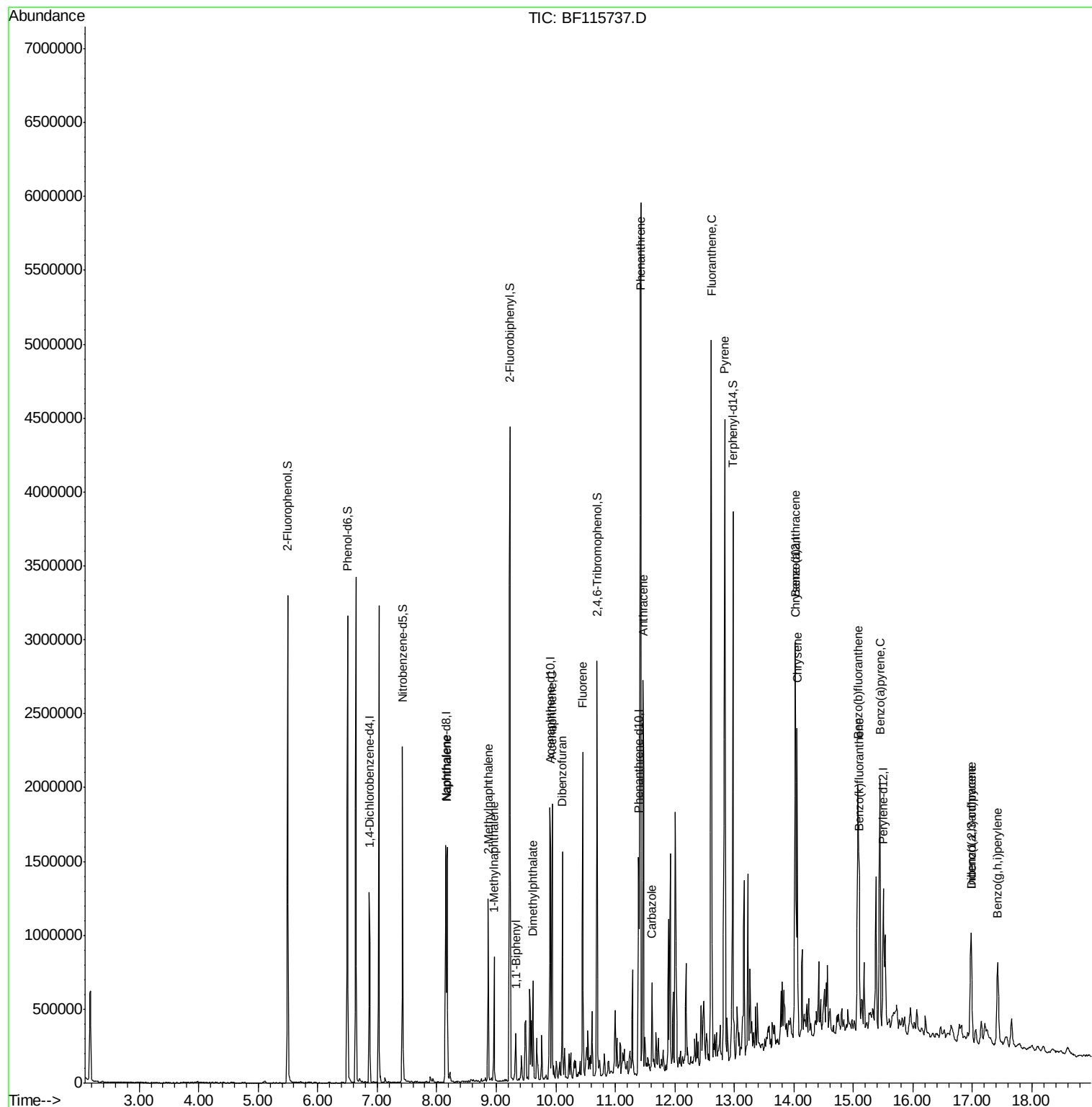
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072319\
Data File : BF115737.D
Acq On : 23 Jul 2019 23:28
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Sample : K3618-07
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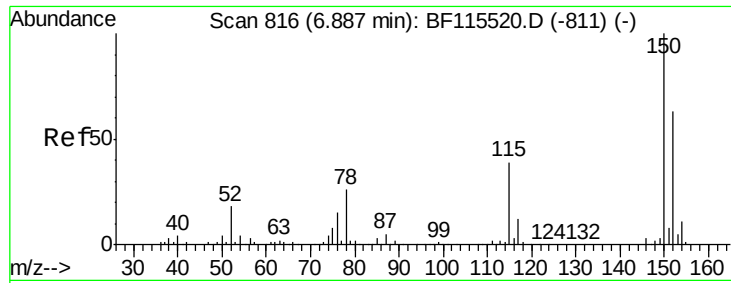
Instrument :
BNA_F
ClientSampleId :
HD-02-072219

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Quant Time: Jul 24 07:14:24 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
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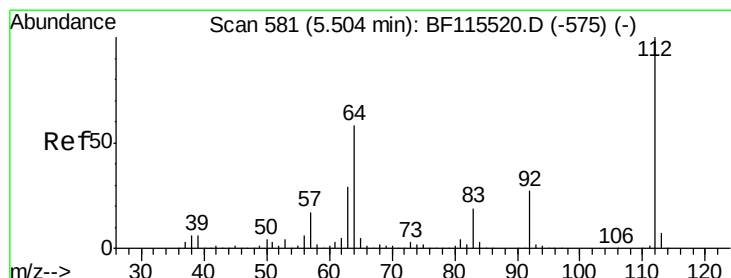
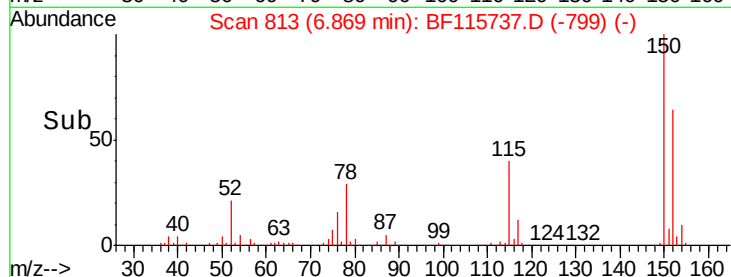
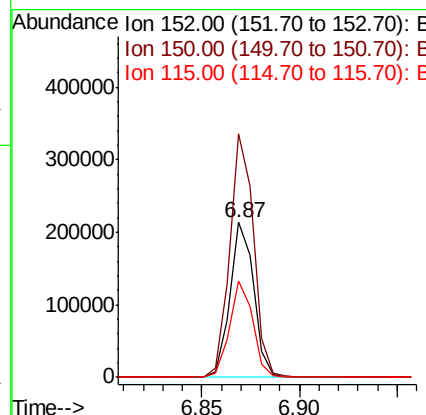
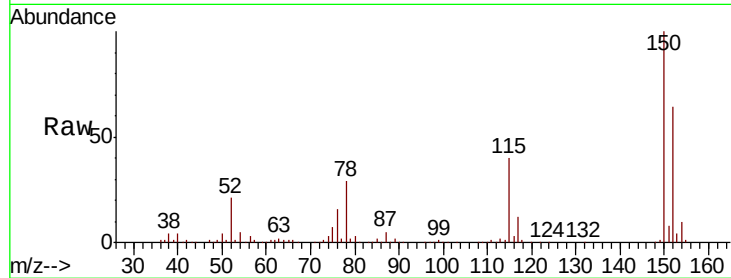
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.02 min
 Lab File: BF115737.D
 Acq: 23 Jul 2019 23:28

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072219

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	129.7	194.5
115	62.6	48.2	72.4

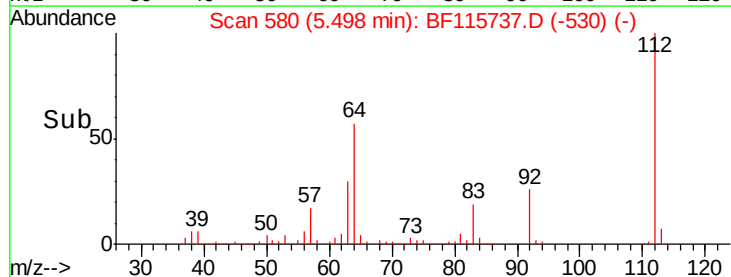
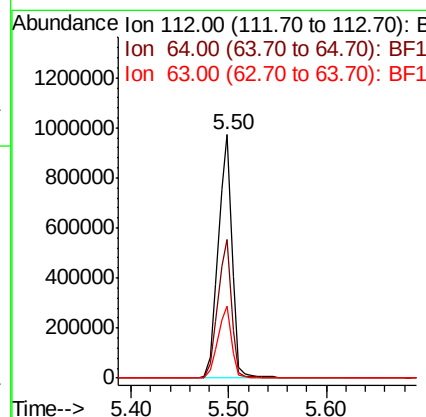
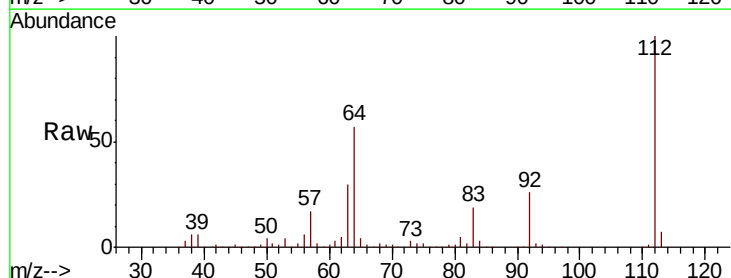
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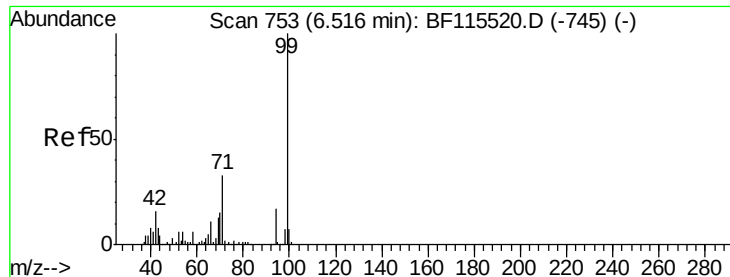
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#5
 2-Fluorophenol
 Concen: 87.006 ng
 RT: 5.50 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: BF115737.D
 Acq: 23 Jul 2019 23:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	46.8	70.2
63	29.5	24.1	36.1





#7

Phenol-d6

Concen: 90.271 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115737.D

Acq: 23 Jul 2019 23:28

Instrument :

BNA_F

ClientSampleId :

HD-02-072219

Tot Ion: 99 Resp: 1257873

Ion Ratio Lower Upper

99 100

42 16.0 13.6 20.4

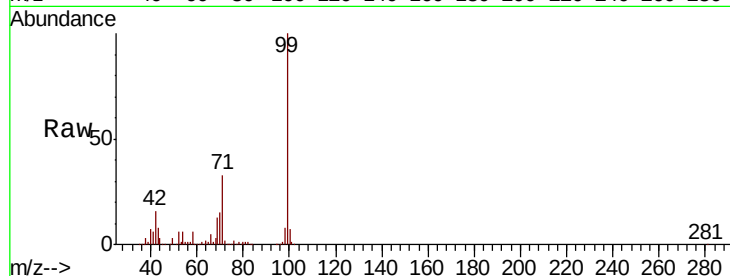
71 33.0 28.5 42.7

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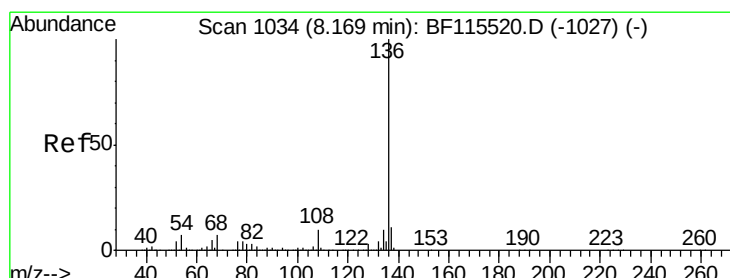
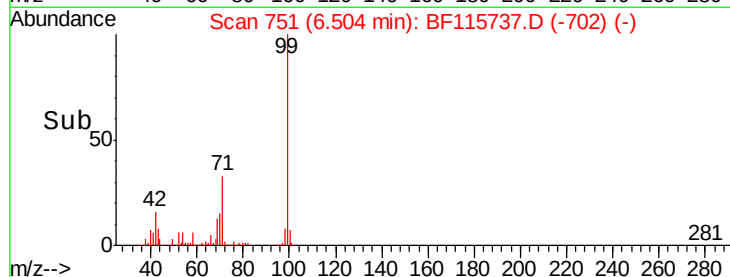
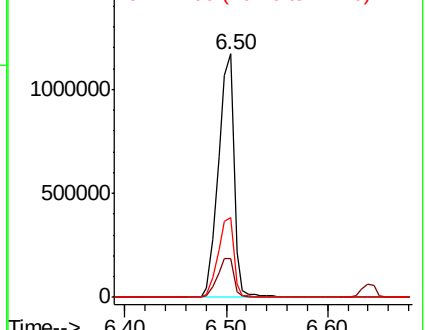
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF115737.D

Acq: 23 Jul 2019 23:28

Tgt Ion: 136 Resp: 714429

Ion Ratio Lower Upper

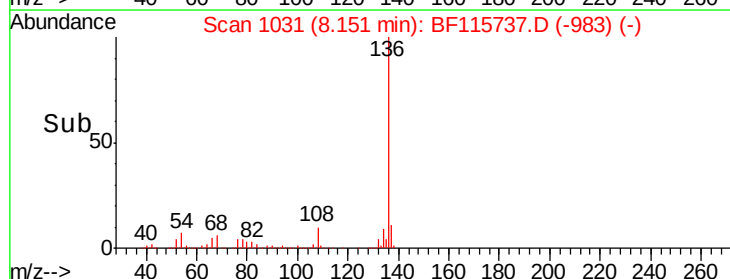
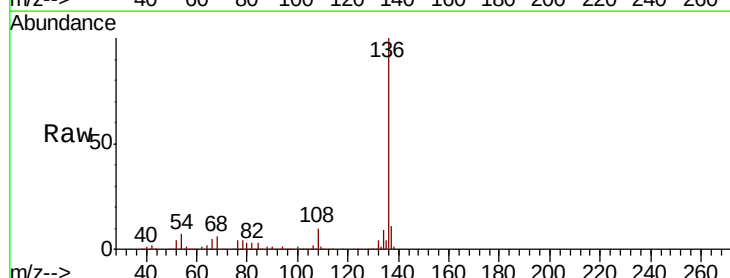
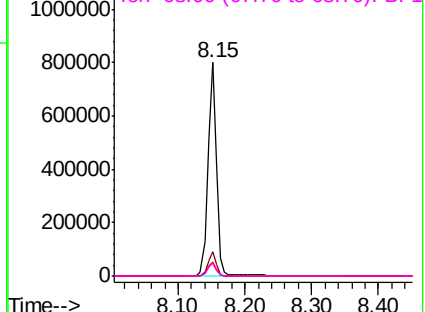
136 100

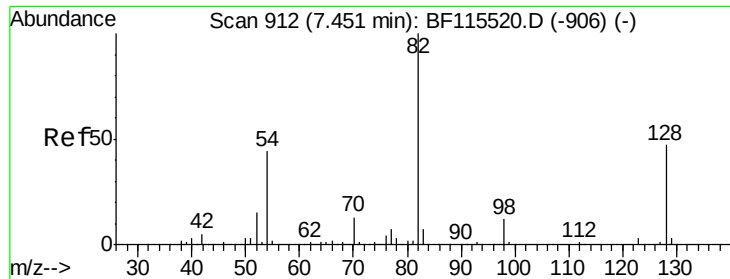
137 11.2 9.0 13.4

54 6.9 5.6 8.4

68 6.2 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





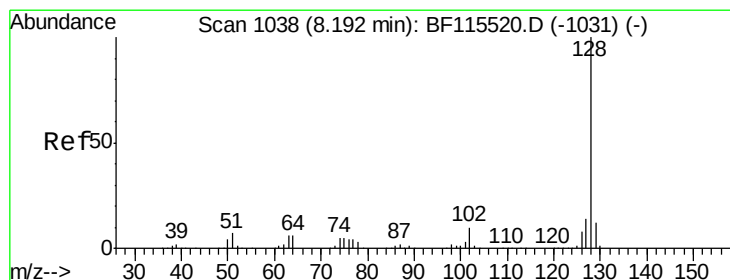
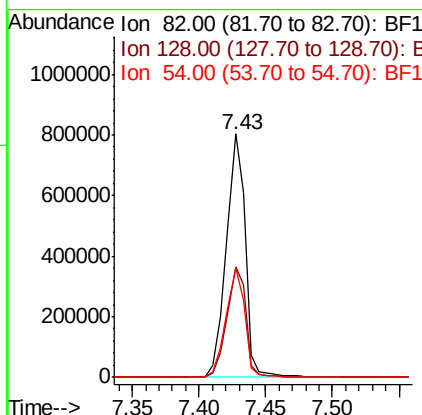
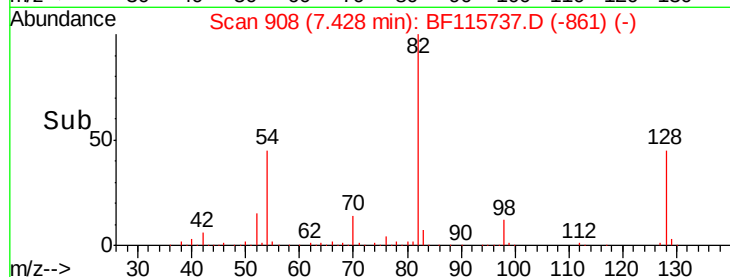
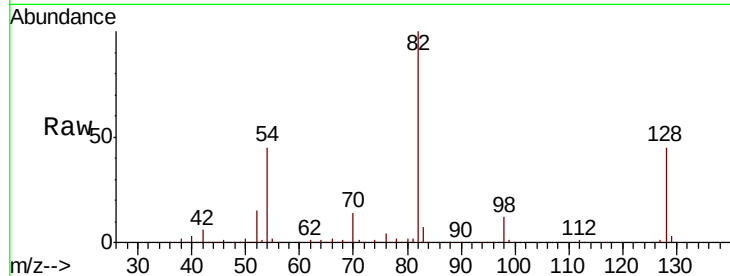
#23
Nitrobenzene-d5
Concen: 66.217 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Instrument :
BNA_F
ClientSampleId :
HD-02-072219

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.2	38.6	57.8
54	45.0	35.6	53.4

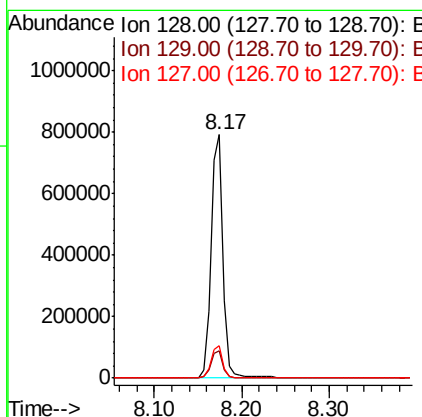
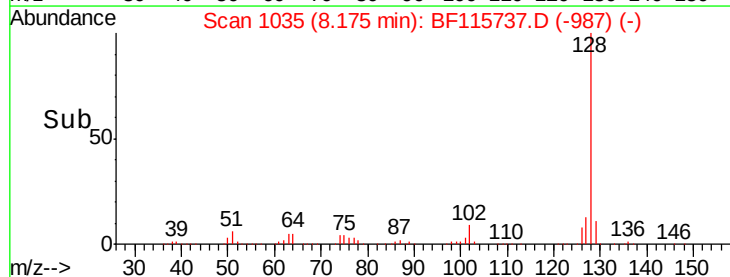
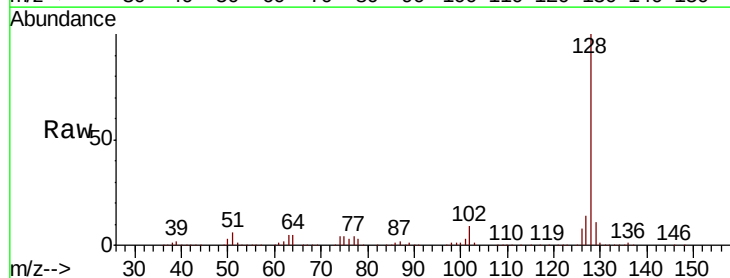
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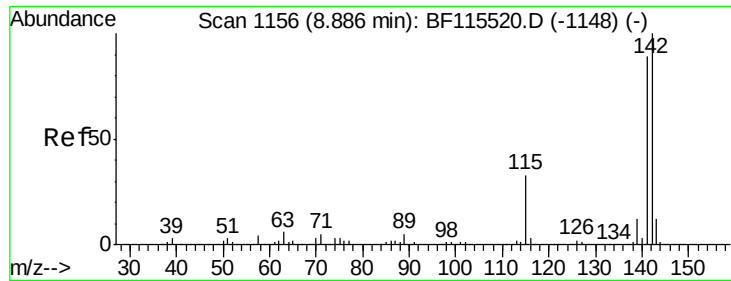
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#31
Naphthalene
Concen: 21.535 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.9	14.9
127	13.5	12.1	18.1





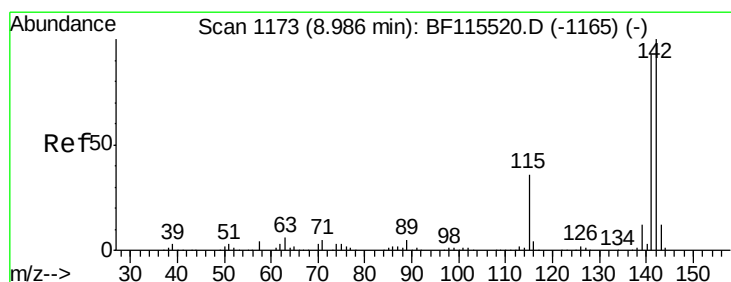
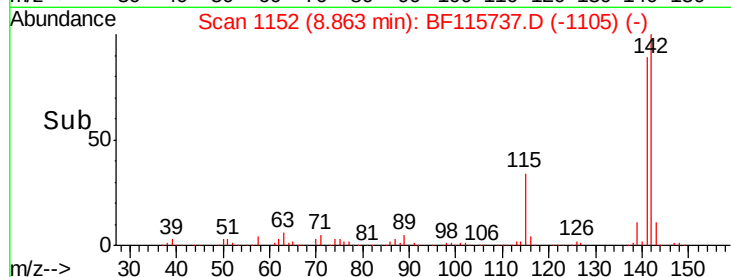
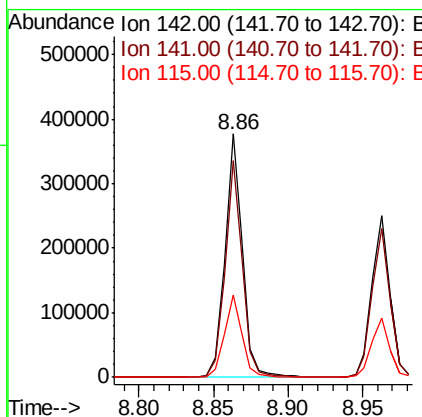
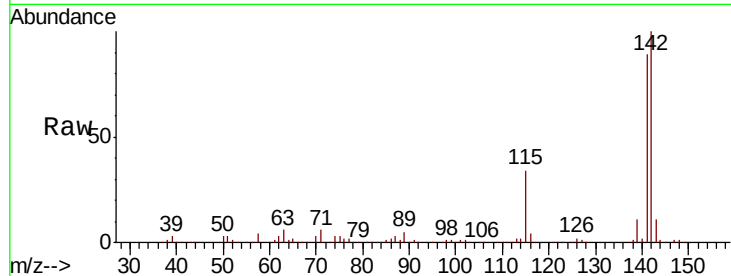
#37
2-Methylnaphthalene
Concen: 13.727 ng
RT: 8.86 min Scan# 1152
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Instrument :
BNA_F
ClientSampleId :
HD-02-072219

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.3	72.0	108.0
115	34.0	29.9	44.9

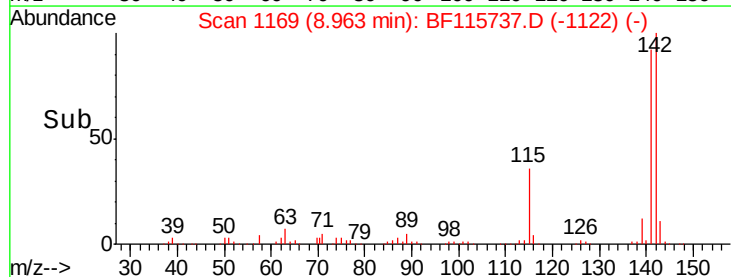
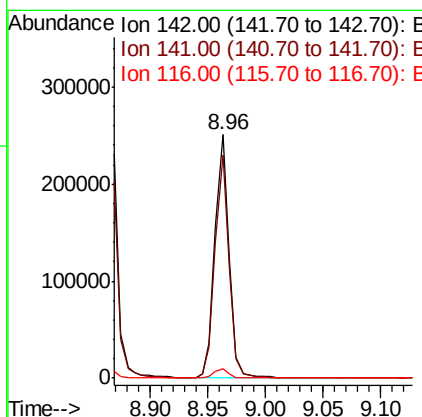
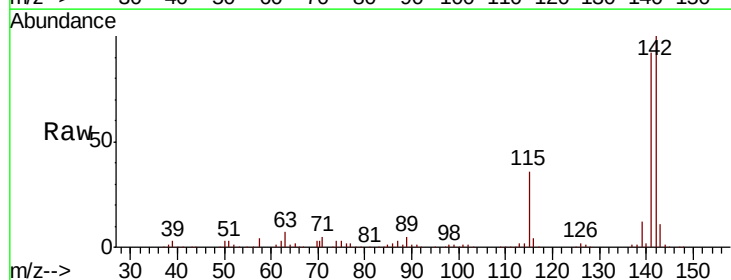
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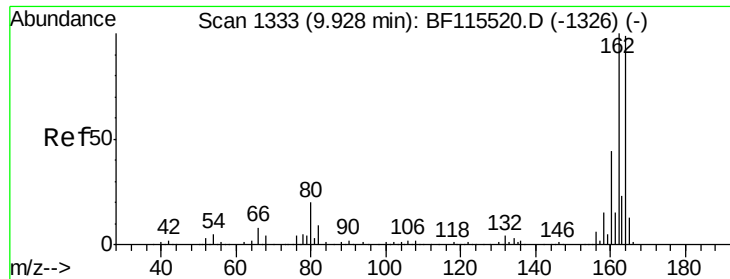
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#38
1-Methylnaphthalene
Concen: 9.768 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.6	75.3	112.9
116	3.8	3.3	4.9





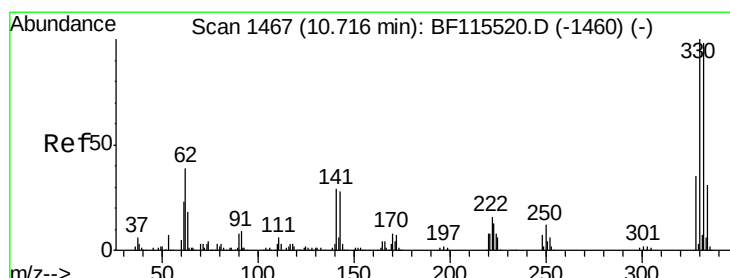
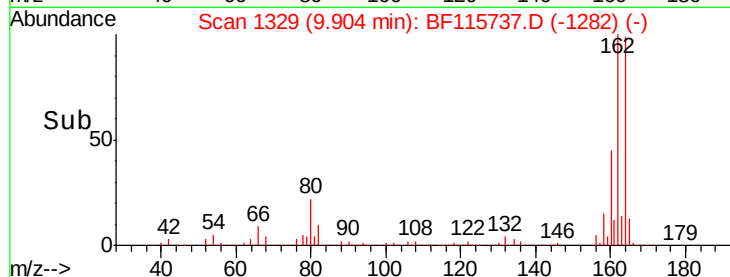
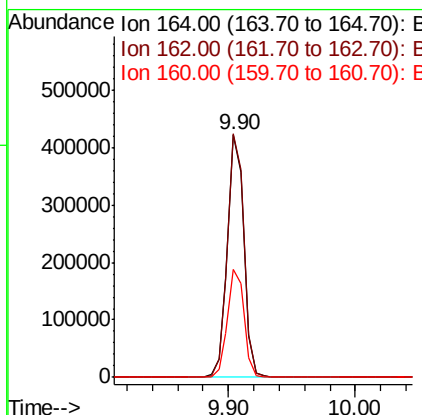
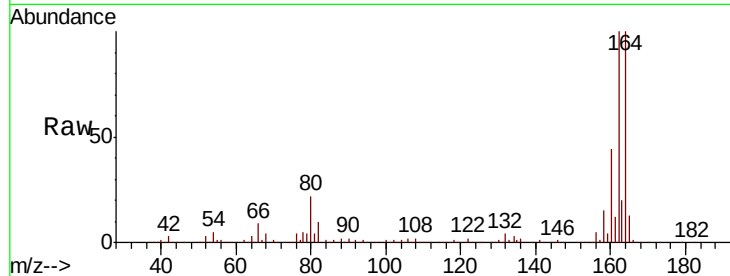
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Instrument :
BNA_F
ClientSampleId :
HD-02-072219

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.2	82.9	124.3	
160	44.6	36.8	55.2	

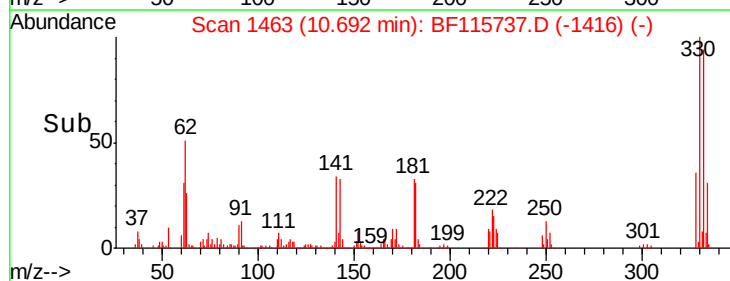
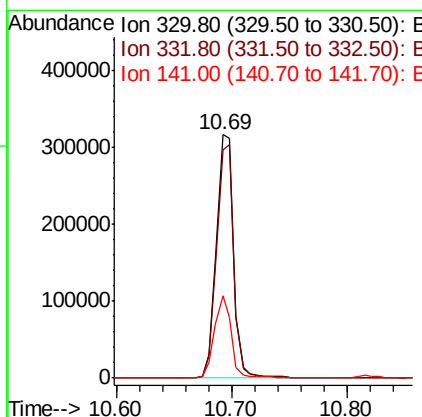
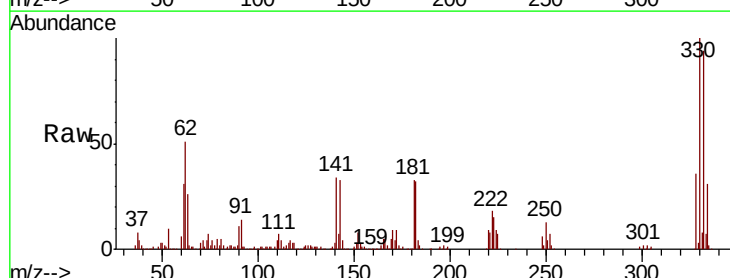
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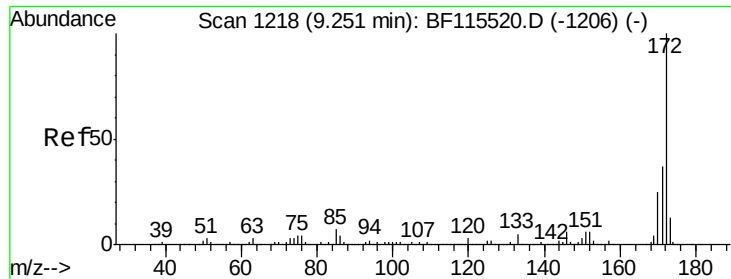
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#42
2,4,6-Tribromophenol
Concen: 74.029 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.6	77.4	116.2	
141	33.1	22.4	33.6	





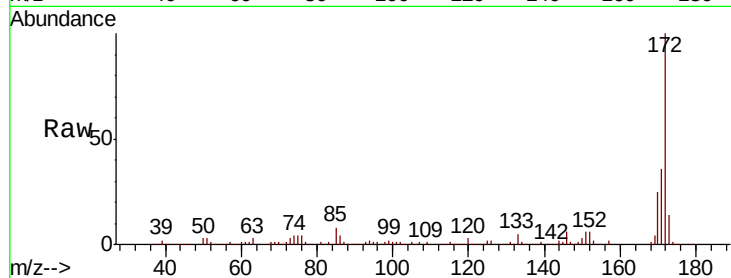
#45
2-Fluorobiphenyl
Concen: 63.232 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Instrument :
BNA_F
ClientSampleId :
HD-02-072219

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.6	46.0
170	25.1	20.5	30.7

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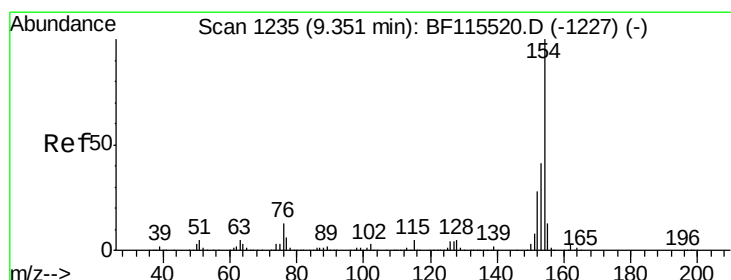
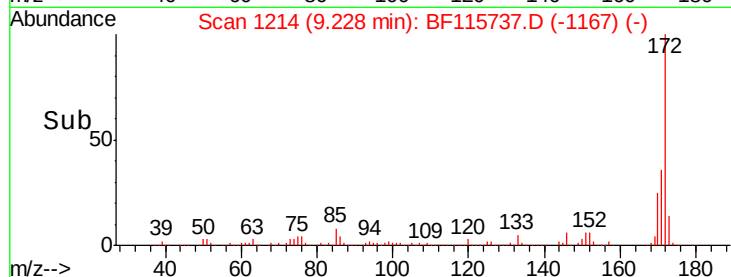
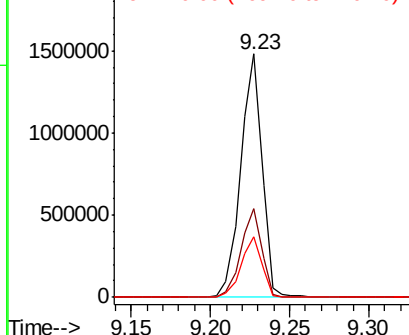


Abundance

Ion 172.00 (171.70 to 172.70): E

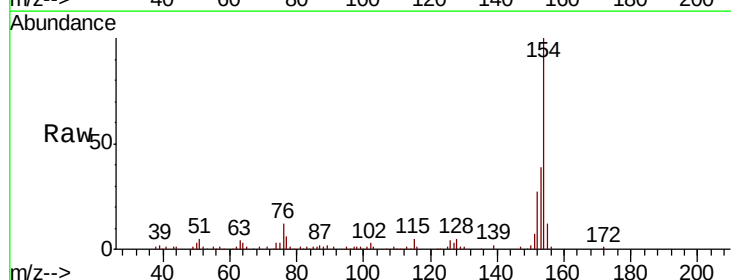
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 3.310 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.5	22.6	62.6
76	11.9	0.0	33.4

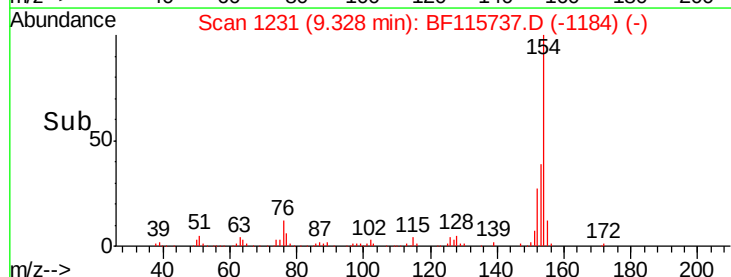
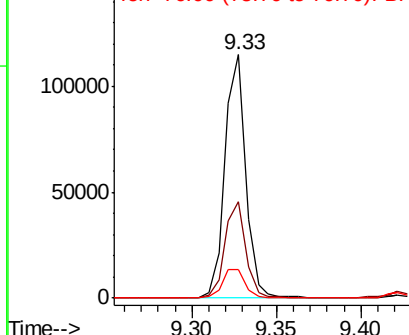


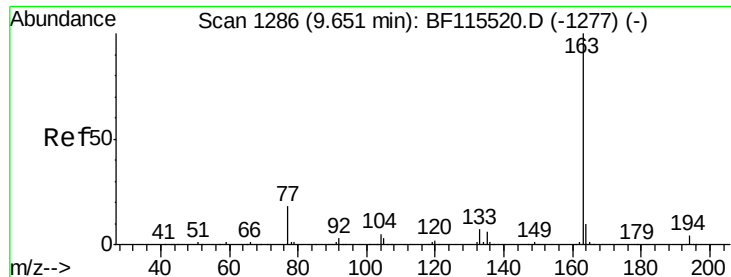
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





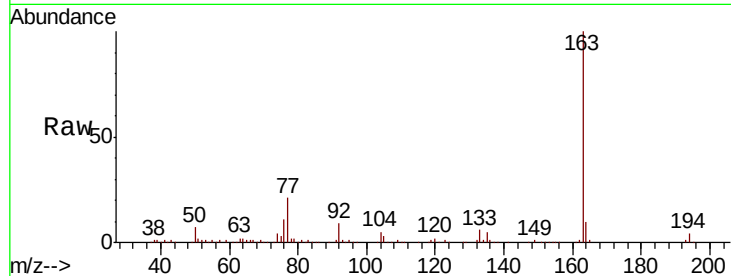
#50
Dimethylphthalate
Concen: 7.930 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.04 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Instrument :
BNA_F
ClientSampleId :
HD-02-072219

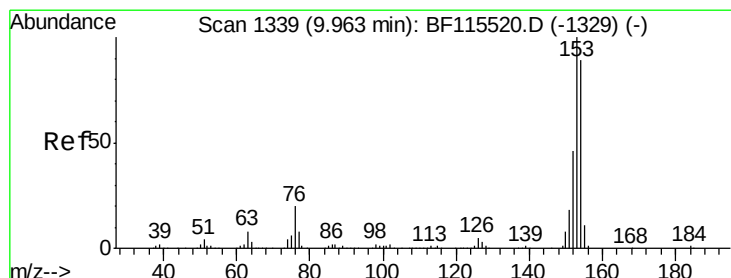
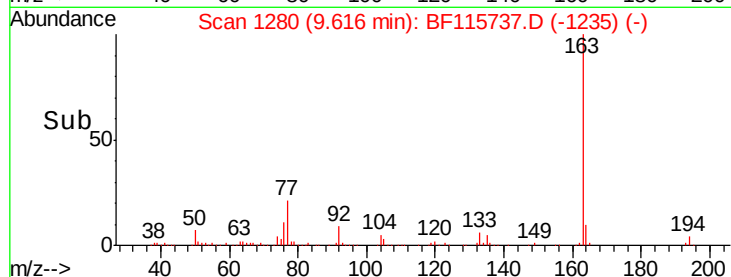
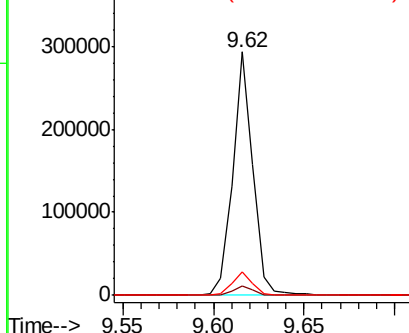
Tot Ion	Ratio	Resp	Lower	Upper
163	100	227138		
194	3.9		3.3	4.9
164	9.8		8.7	13.1

Manual Integrations
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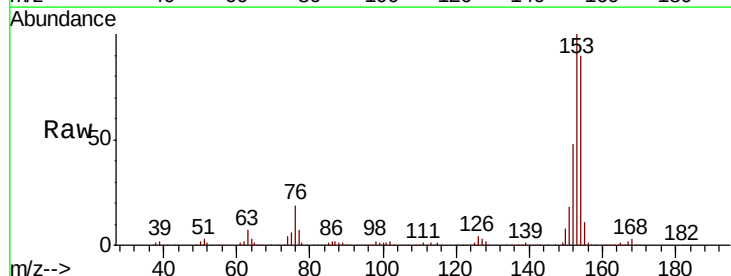


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

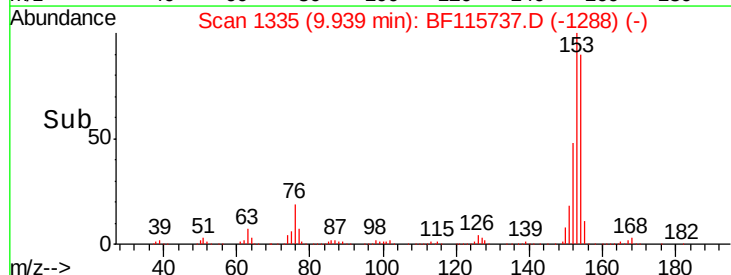
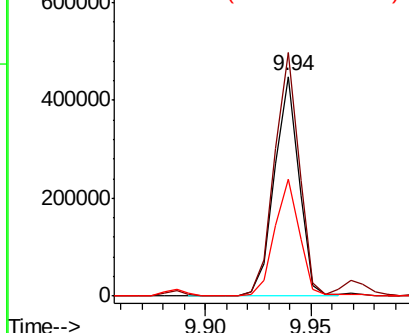


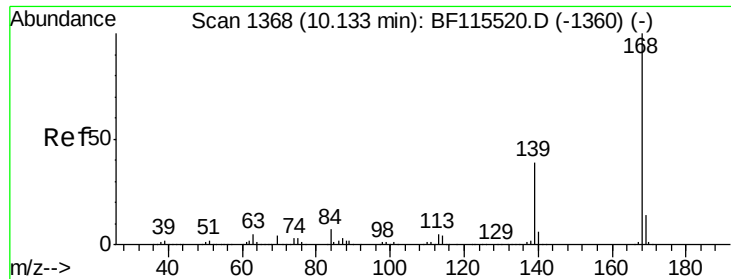
#52
Acenaphthene
Concen: 15.252 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	361587		
153	111.0		88.6	133.0
152	53.2		42.3	63.5



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





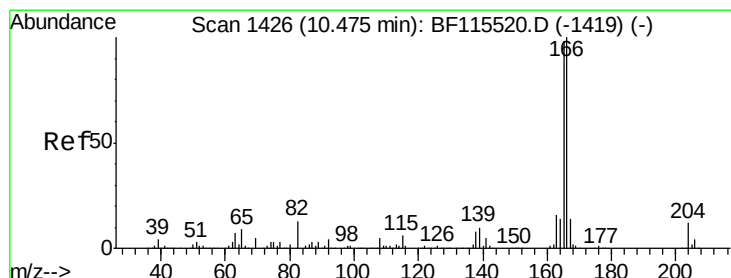
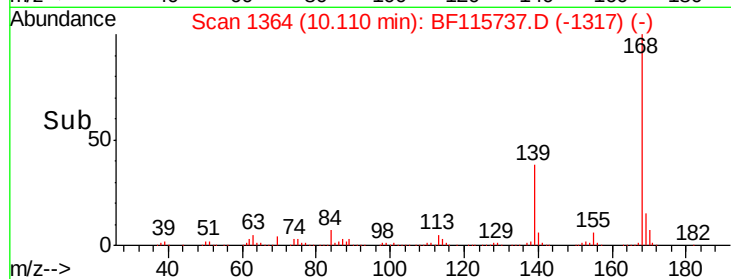
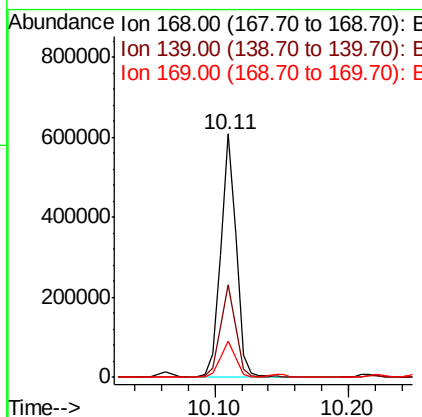
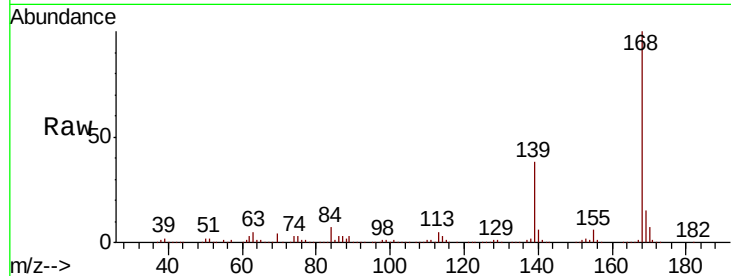
#55
Dibenzenofuran
Concen: 14.815 ng
RT: 10.11 min Scan# 1364
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Instrument :
BNA_F
ClientSampleId :
HD-02-072219

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.9	31.1	46.7
169	14.7	11.1	16.7

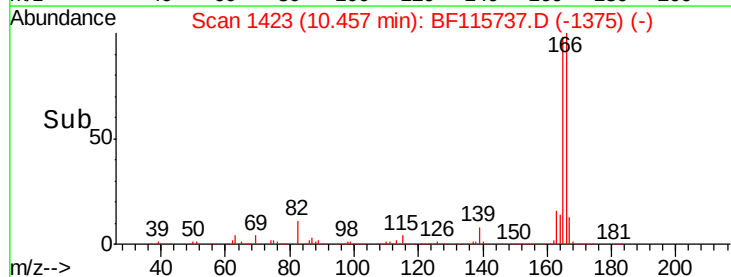
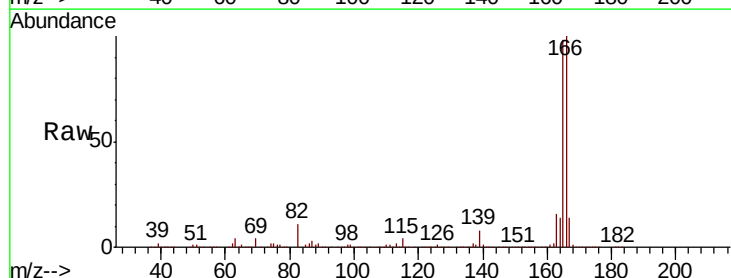
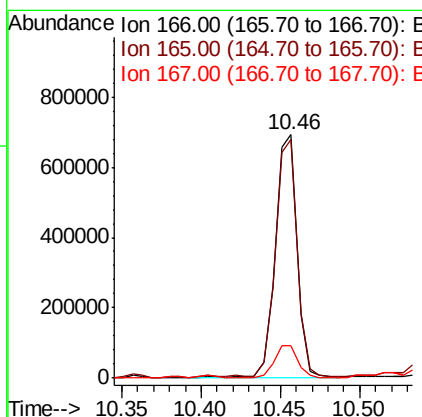
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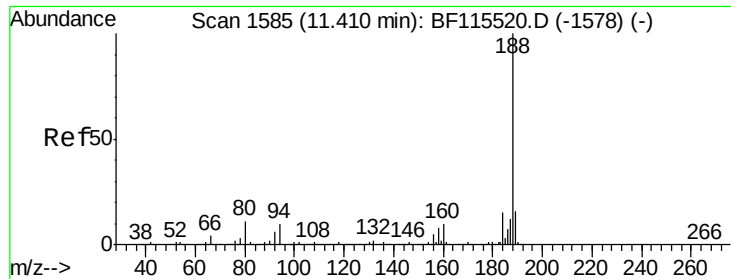
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#58
Fluorene
Concen: 27.629 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.7	79.8	119.6
167	13.6	11.2	16.8





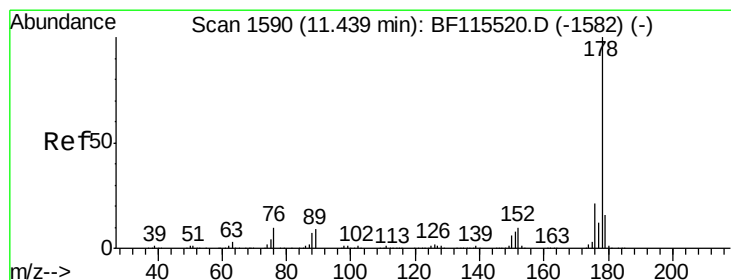
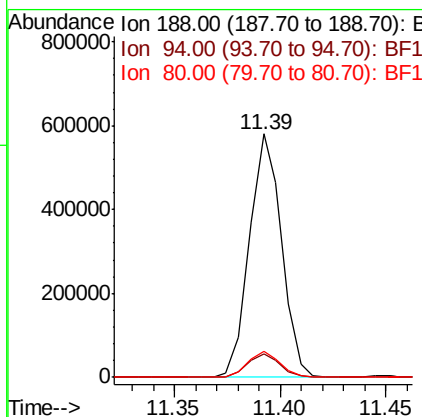
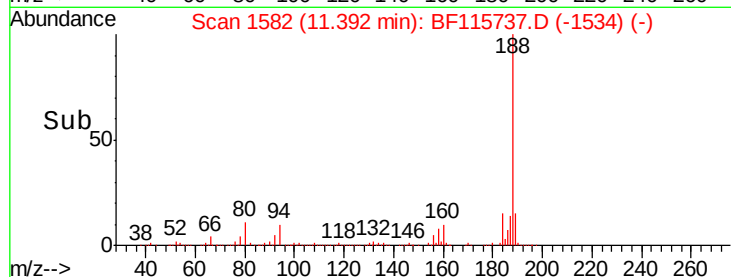
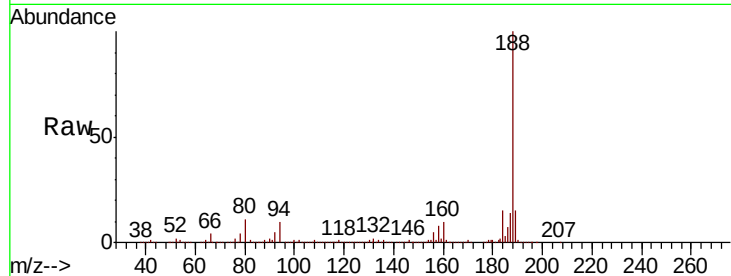
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Instrument :
BNA_F
ClientSampleId :
HD-02-072219

Tot Ion	Ratio	Resp	Lower	Upper
188	100	612109		
94	9.8		7.8	11.6
80	10.9		8.6	13.0

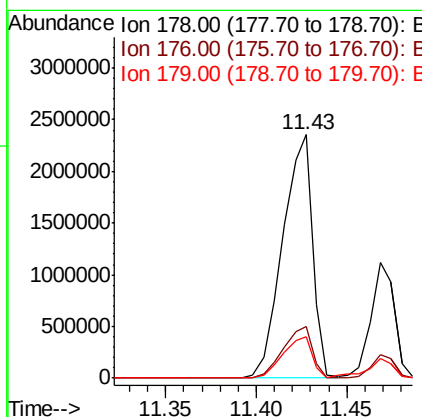
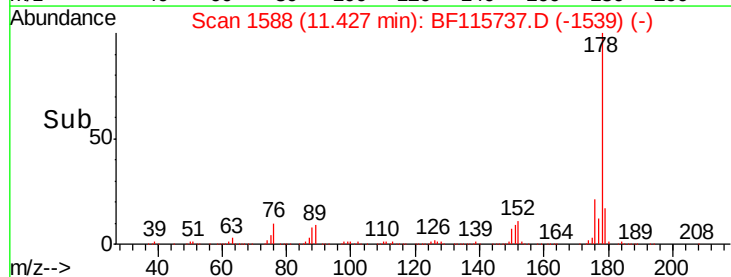
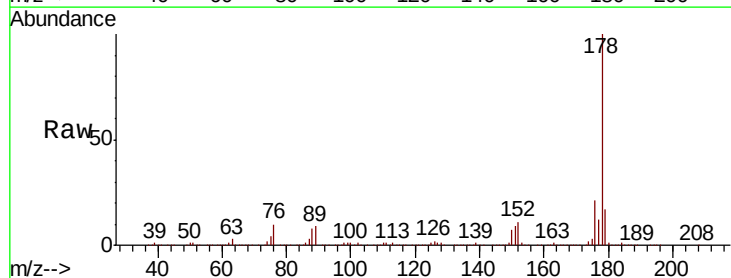
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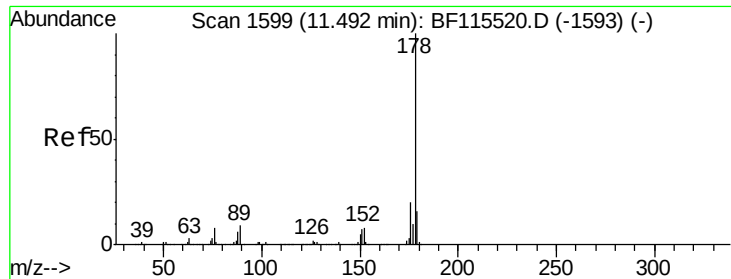
mohammad
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#71
Phenanthrene
Concen: 86.562 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2715970		
176	21.4		17.2	25.8
179	16.7		13.5	20.3





#72

Anthracene

Concen: 30.351 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.02 min

Lab File: BF115737.D

Acq: 23 Jul 2019 23:28

Instrument :

BNA_F

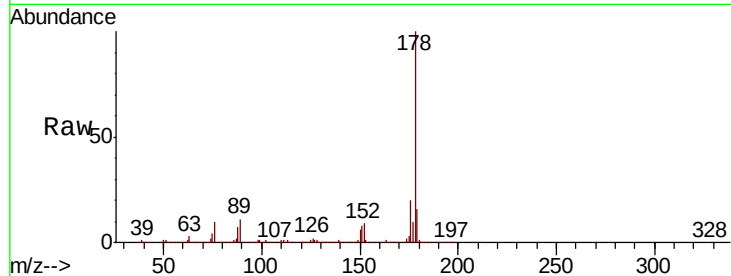
ClientSampleId :

HD-02-072219

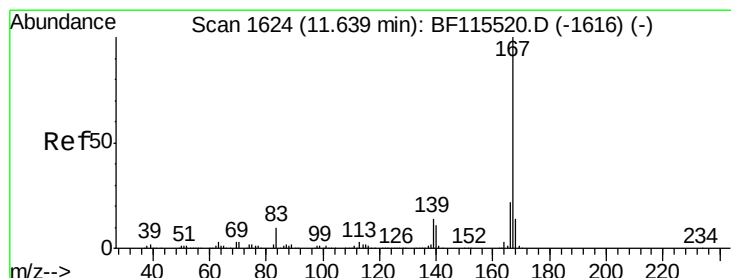
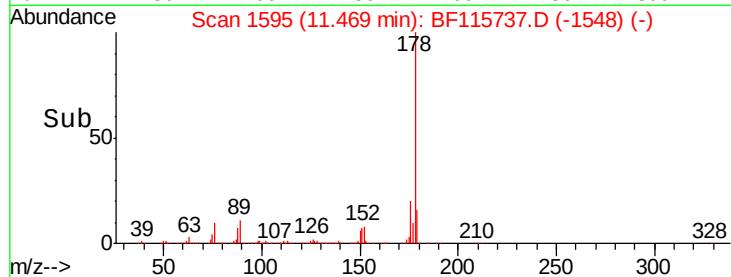
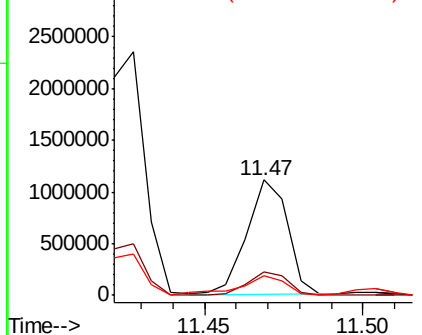
Tot Ion:	178	Resp:	984173
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.9	23.9
179	16.5	12.7	19.1

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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



#73

Carbazole

Concen: 7.813 ng

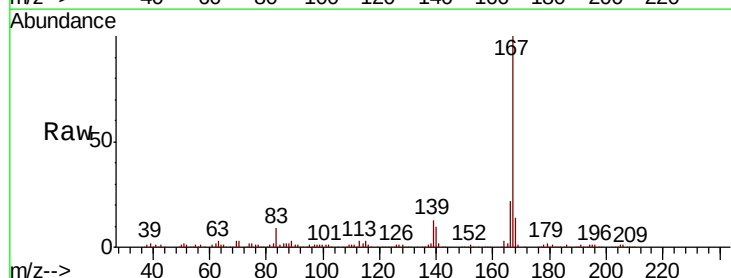
RT: 11.62 min Scan# 1620

Delta R.T. -0.02 min

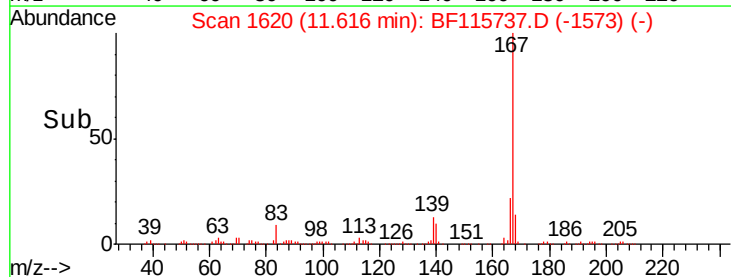
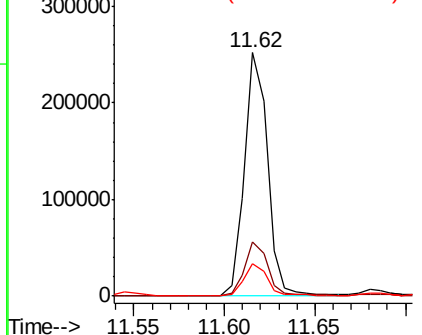
Lab File: BF115737.D

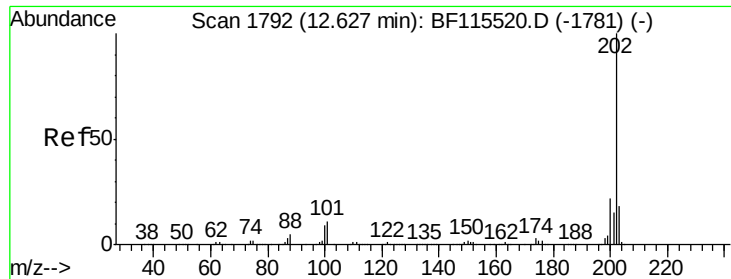
Acq: 23 Jul 2019 23:28

Tgt Ion:	167	Resp:	222168
Ion Ratio	Lower	Upper	
167	100		
166	22.1	18.1	27.1
139	13.2	11.3	16.9



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





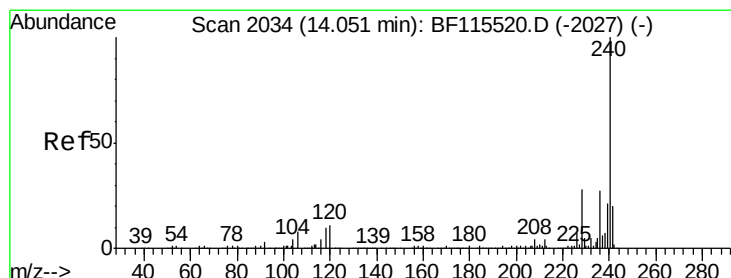
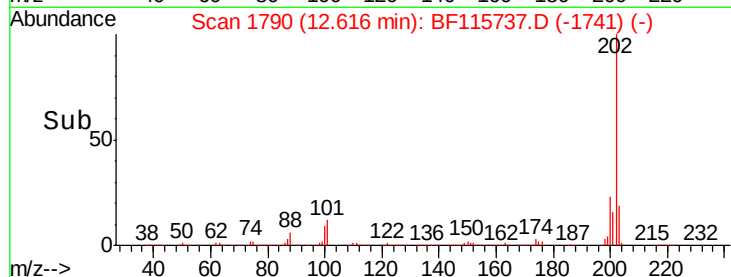
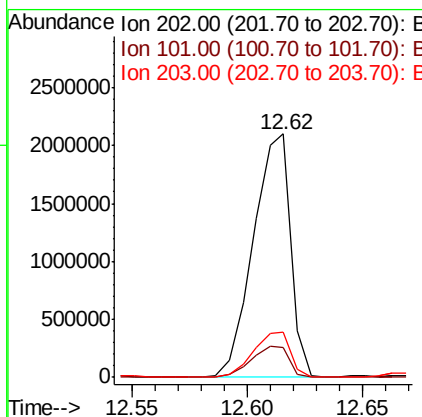
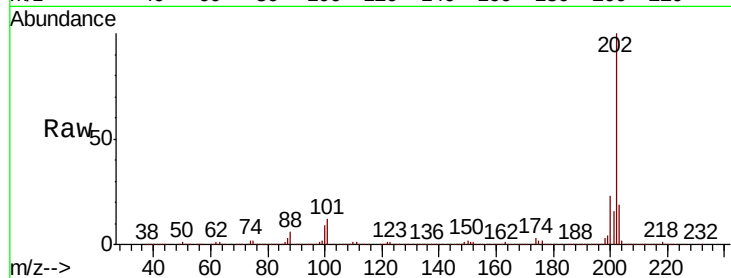
#75
Fluoranthene
Concen: 71.204 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Instrument :
BNA_F
ClientSampleId :
HD-02-072219

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	31.4
203	18.8	0.0	38.1

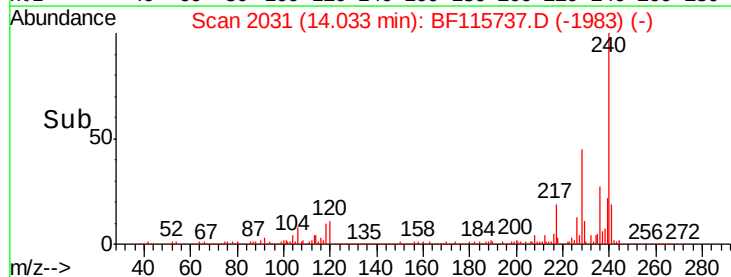
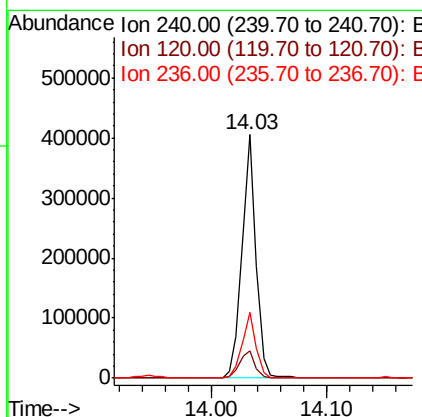
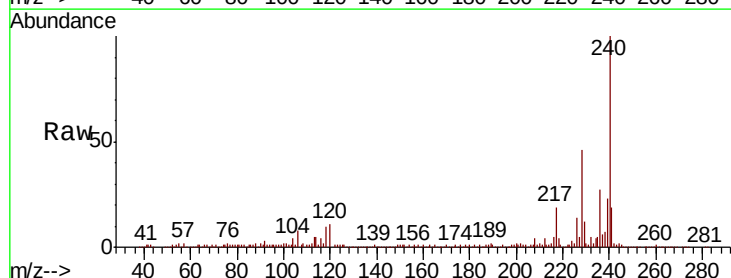
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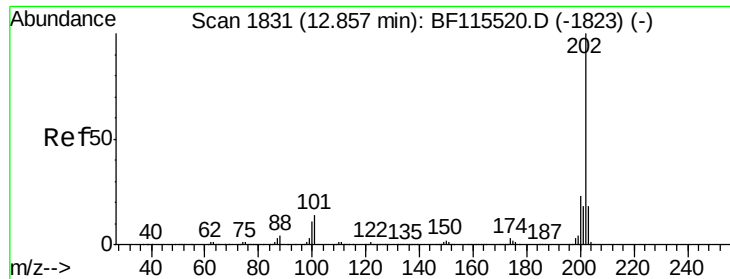
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.6	13.0
236	27.0	21.3	31.9





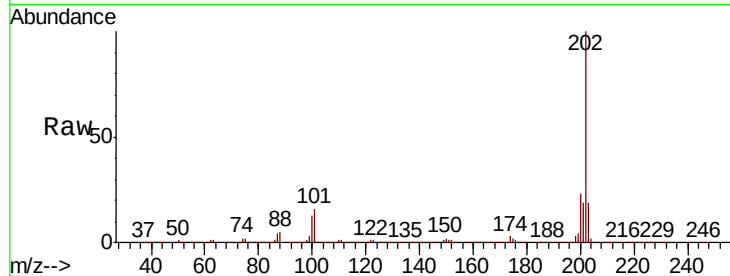
#78
Pvrene
Concen: 71.632 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Instrument :
BNA_F
ClientSampleId :
HD-02-072219

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.9	18.7	28.1
203	18.8	15.2	22.8

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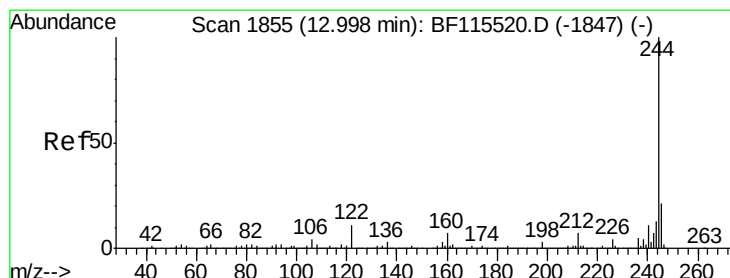
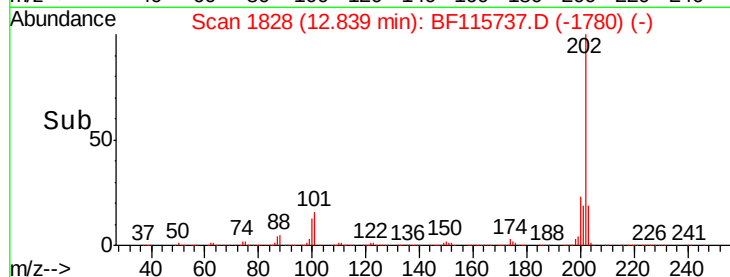
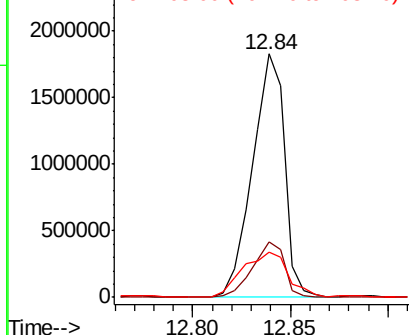


Abundance

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: 64.973 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

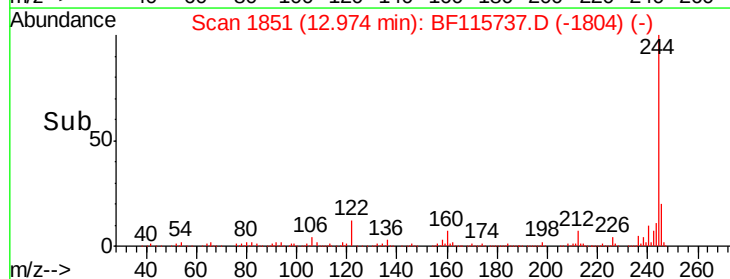
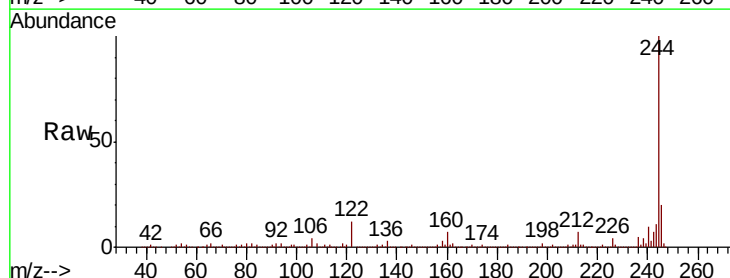
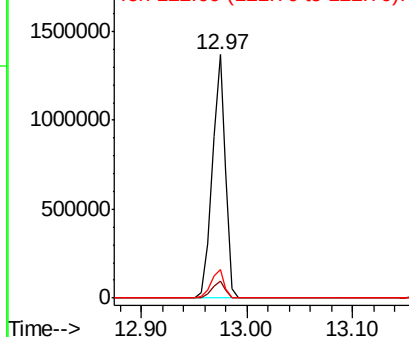
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	11.6	8.6	12.8

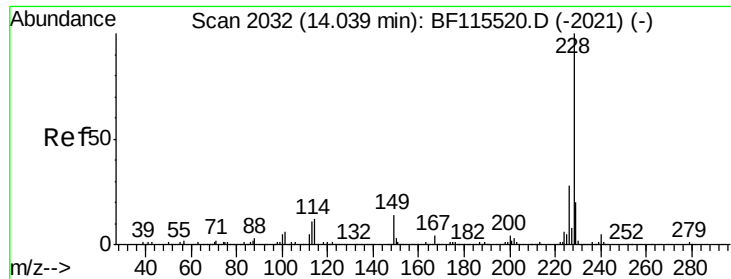
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 44.442 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.02 min

Lab File: BF115737.D

Acq: 23 Jul 2019 23:28

Instrument :

BNA_F

ClientSampleId :

HD-02-072219

Tot Ion:228 Resp: 1002674

Ion Ratio Lower Upper

228 100

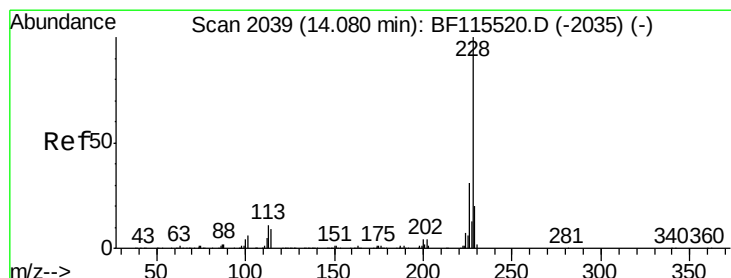
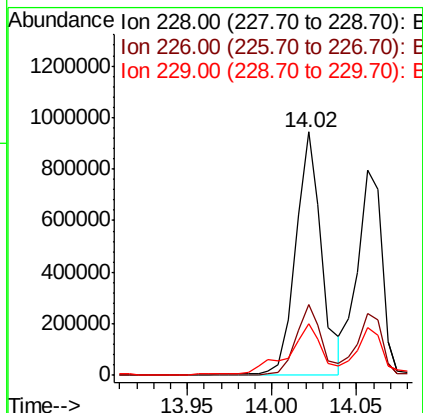
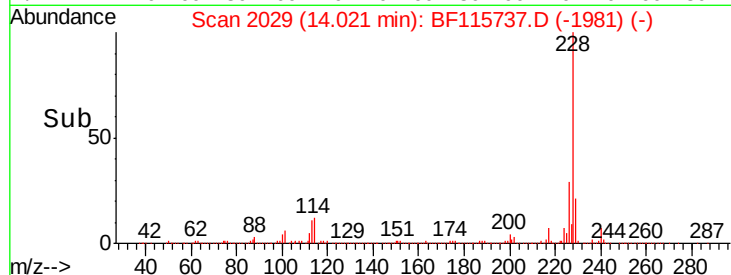
226 28.9 23.4 35.0

229 21.1 17.2 25.8

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#83

Chrysene

Concen: 35.659 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.02 min

Lab File: BF115737.D

Acq: 23 Jul 2019 23:28

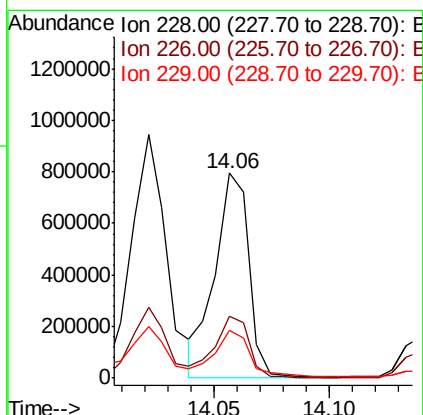
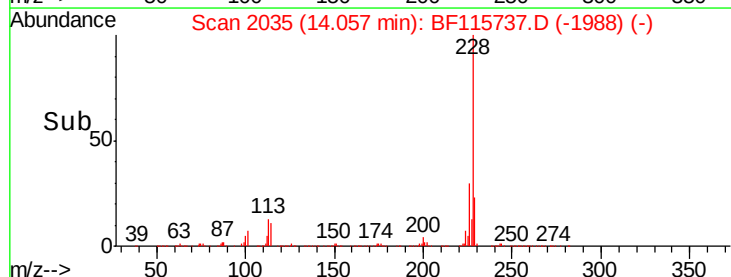
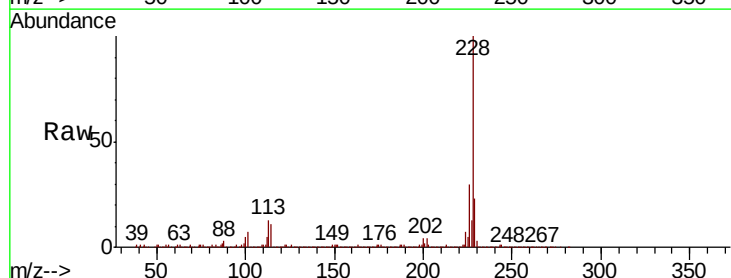
Tgt Ion:228 Resp: 807621

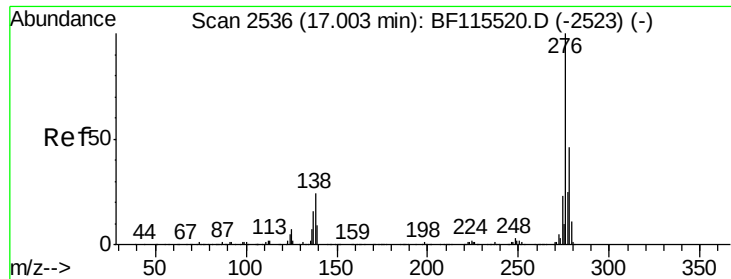
Ion Ratio Lower Upper

228 100

226 30.2 25.7 38.5

229 23.2 16.6 25.0





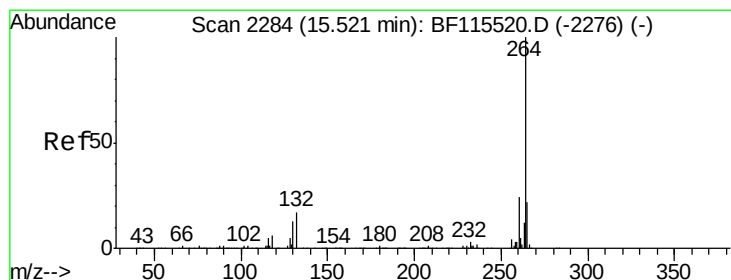
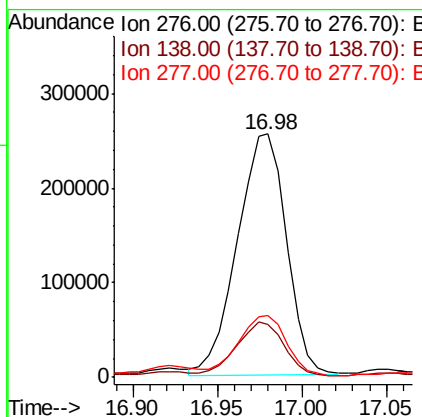
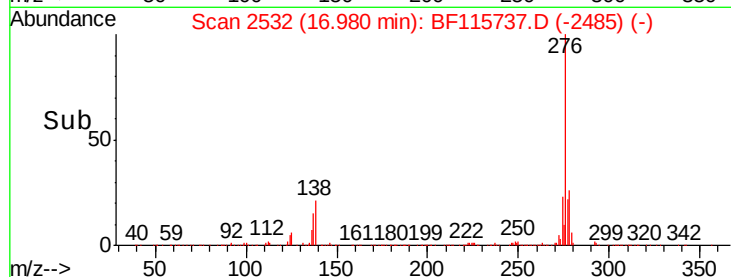
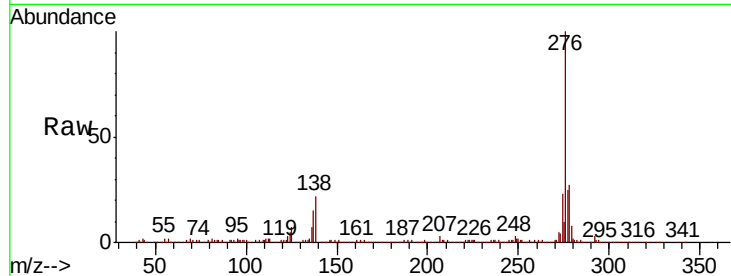
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 26.822 ng
 RT: 16.98 min Scan# 2532
 Delta R.T. -0.02 min
 Lab File: BF115737.D
 Acq: 23 Jul 2019 23:28

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-072219

Tot Ion:	276	Resp:	516099
Ion Ratio	Lower	Upper	
276	100		
138	21.5	20.2	30.2
277	23.9	20.4	30.6

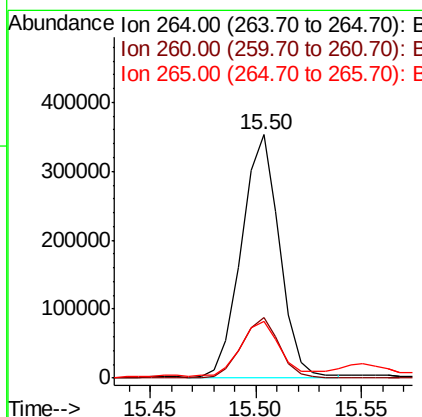
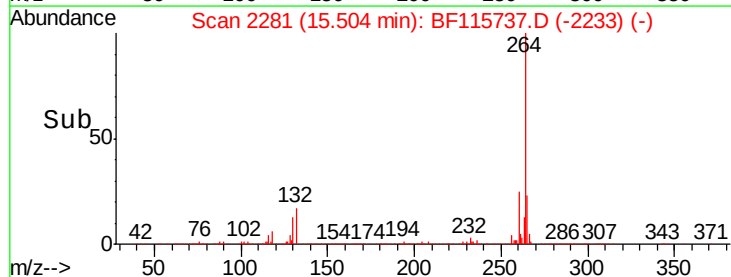
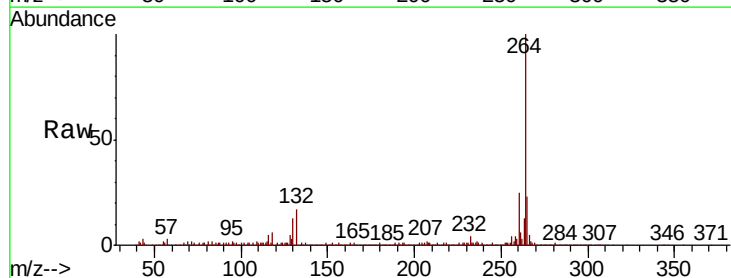
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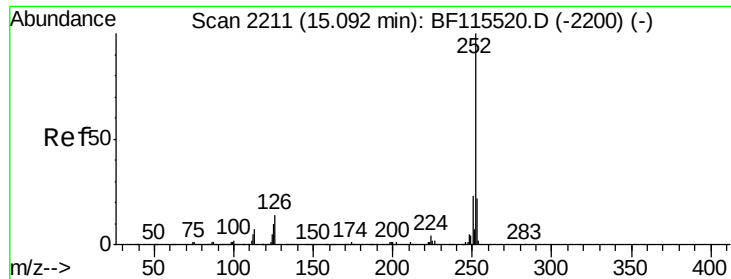
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2281
 Delta R.T. -0.02 min
 Lab File: BF115737.D
 Acq: 23 Jul 2019 23:28

Tgt Ion:	264	Resp:	437423
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.8	29.8
265	23.4	17.7	26.5





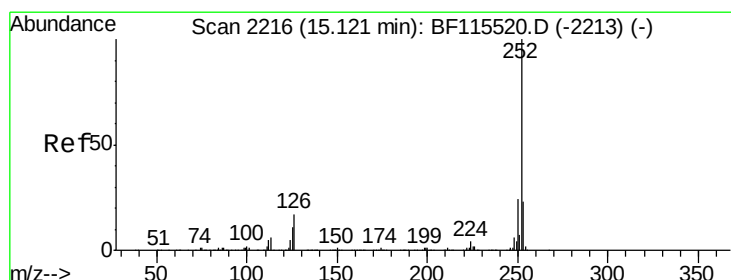
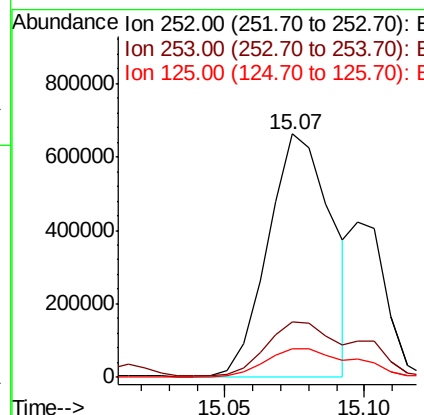
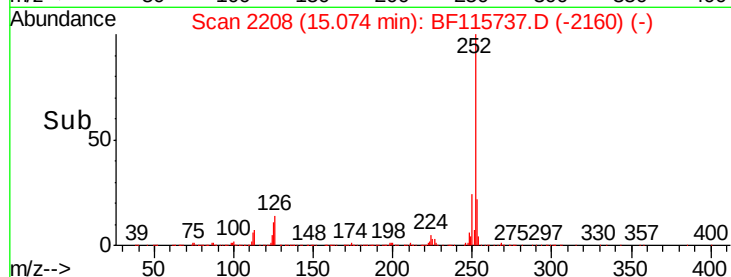
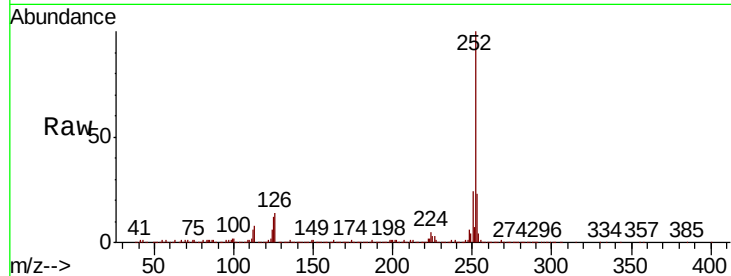
#88
Benzo(b)fluoranthene
Concen: 37.493 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Instrument :
BNA_F
ClientSampleId :
HD-02-072219

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	11.9	9.0	13.4

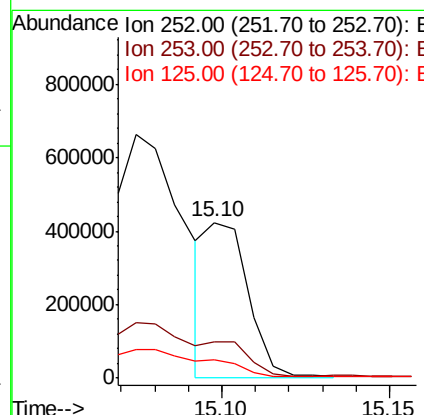
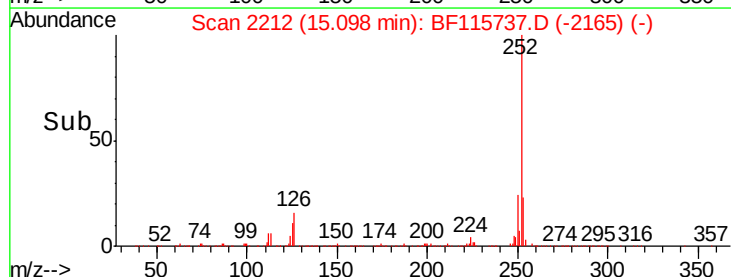
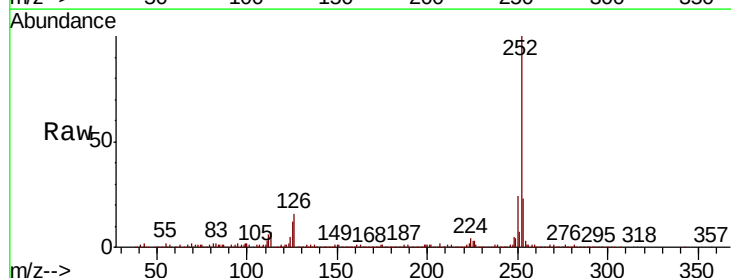
Manual Integrations
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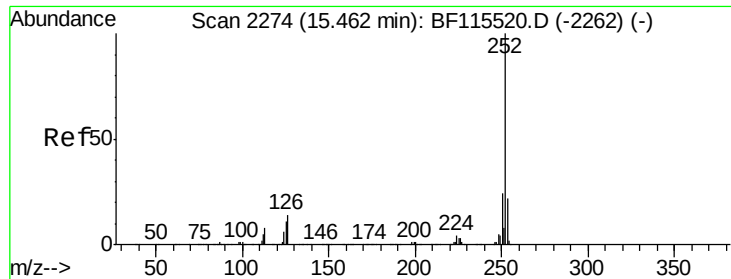
mohammad
7/24/2019 11:35:06 AM



#89
Benzo(k)fluoranthene
Concen: 14.625 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.6	28.0
125	12.0	9.0	13.6





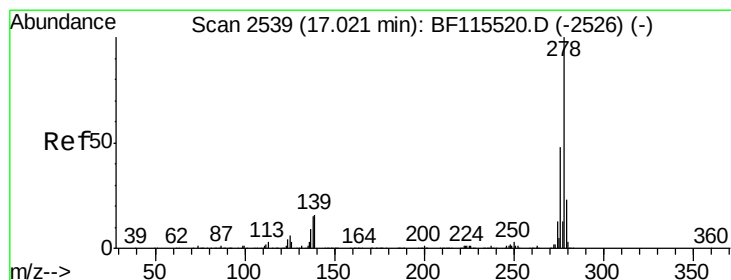
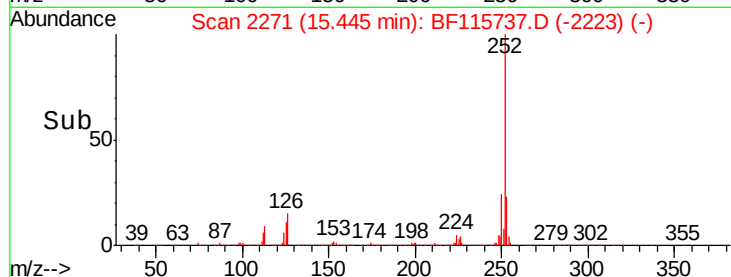
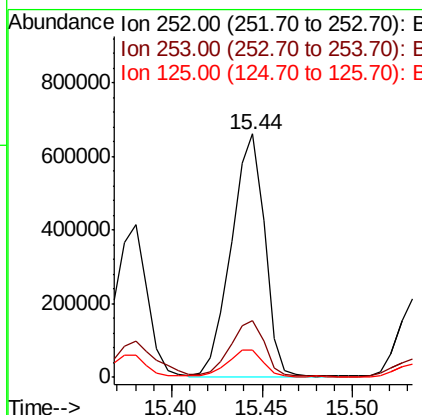
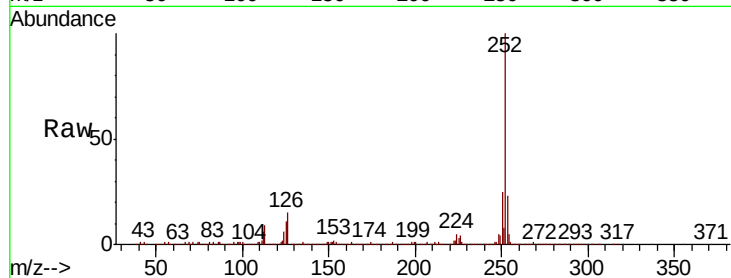
#90
Benzo(a)pyrene
Concen: 34.820 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Instrument :
BNA_F
ClientSampleId :
HD-02-072219

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	11.1	9.1	13.7

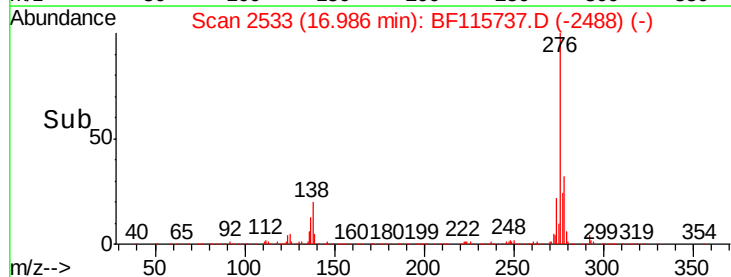
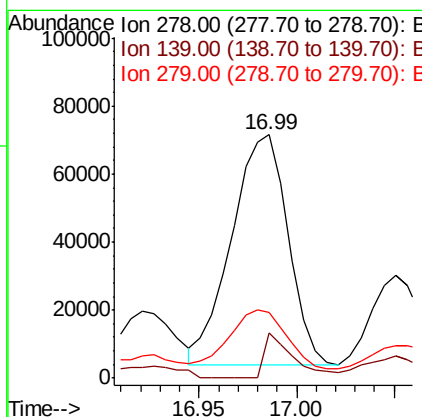
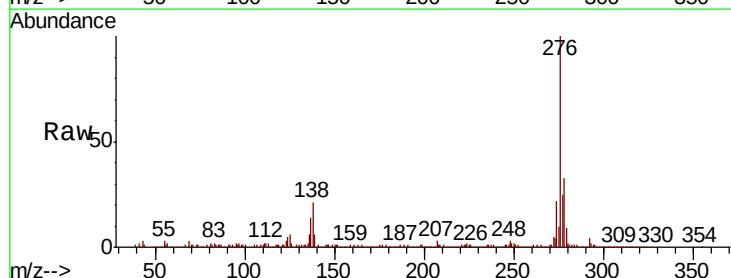
Manual Integrations
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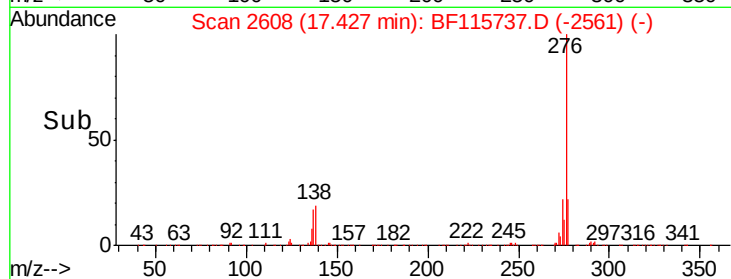
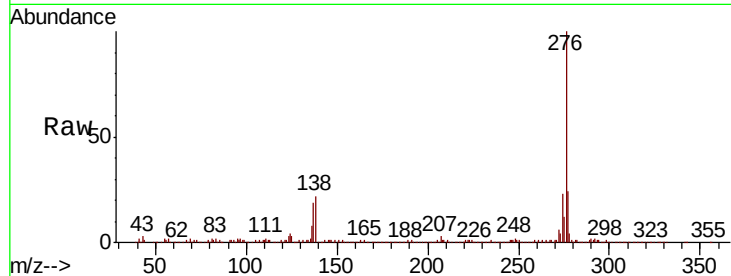
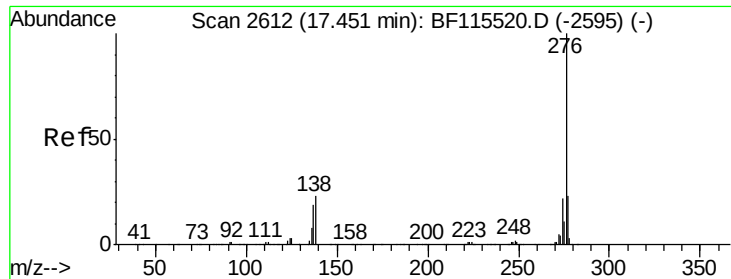
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#91
Dibenzo(a,h)anthracene
Concen: 6.321 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.04 min
Lab File: BF115737.D
Acq: 23 Jul 2019 23:28

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.5	13.1	19.7
279	27.1	19.6	29.4





#92

Benzo(a,h,i)perylene

Concen: 22.490 ng

RT: 17.43 min Scan# 2608

Delta R.T. -0.02 min

Lab File: BF115737.D

Acq: 23 Jul 2019 23:28

Instrument :

BNA_F

ClientSampleId :

HD-02-072219

Tot Ion:	276	Resp:	476692
Ion Ratio	Lower	Upper	
276	100		
277	24.0	19.0	28.4
138	21.9	17.2	25.8

Manual Integrations
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