

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072519\
 Data File : BF115779.D
 Acq On : 26 Jul 2019 00:53
 Operator : HP/JU
 Sample : K3983-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

Manual Integrations
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Quant Time: Jul 26 07:58:59 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	137817	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	515333	20.00	ng	-0.02
39) Acenaphthene-d10	9.90	164	261214	20.00	ng	-0.02
64) Phenanthrene-d10	11.39	188	413272	20.00	ng	-0.02
76) Chrysene-d12	14.03	240	325546	20.00	ng	-0.02
87) Perylene-d12	15.50	264	380713	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	922228	109.46	ng	0.00
7) Phenol-d6	6.50	99	1194785	111.76	ng	-0.01
23) Nitrobenzene-d5	7.43	82	753545	85.02	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	301127	98.76	ng	-0.02
45) 2-Fluorobiphenyl	9.23	172	1233865	82.68	ng	-0.02
79) Terphenyl-d14	12.97	244	1117617	63.35	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.62	163	261000	13.280	ng	98
52) Acenaphthene	9.94	154	39774	2.445	ng	98
58) Fluorene	10.45	166	74955	4.539	ng	97
71) Phenanthrene	11.42	178	877580	41.427	ng	97
72) Anthracene	11.47	178	265377	12.122	ng	98
73) Carbazole	11.62	167	54522	2.840	ng	97
75) Fluoranthene	12.61	202	1203394	53.757	ng	100
78) Pyrene	12.83	202	1051700	38.131	ng	98
81) Benzo(a)anthracene	14.02	228	628868	29.322	ng	99
83) Chrysene	14.06	228	508434	23.615	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	235788	12.891	ng	94
88) Benzo(b)fluoranthene	15.07	252	715822m	29.200	ng	
89) Benzo(k)fluoranthene	15.10	252	210769m	9.643	ng	
90) Benzo(a)pyrene	15.44	252	481142	22.835	ng	98
91) Dibenzo(a,h)anthracene	16.98	278	62888m	3.400	ng	
92) Benzo(g,h,i)perylene	17.42	276	201351	10.914	ng	99

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

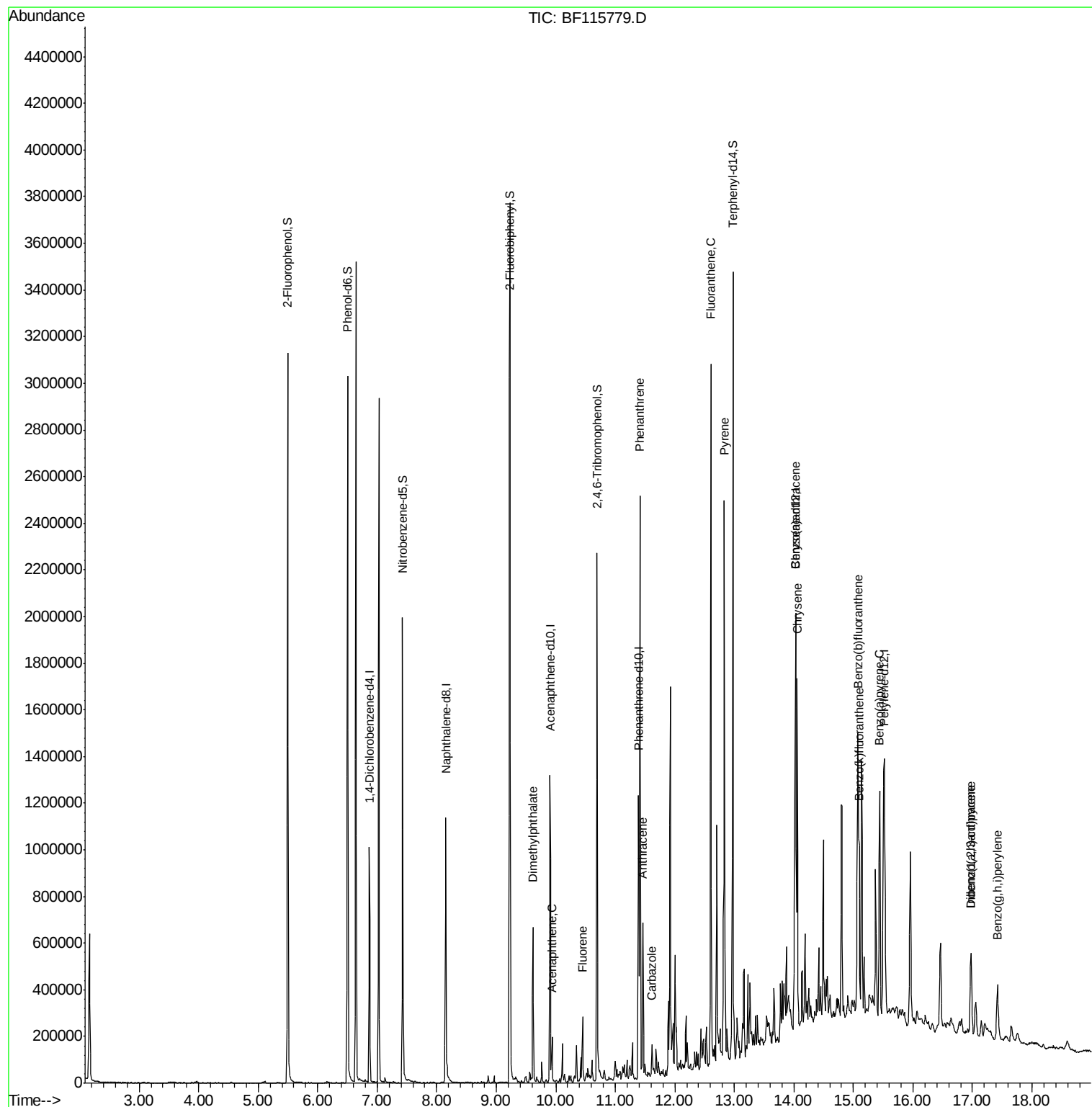
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072519\
Data File : BF115779.D
Acq On : 26 Jul 2019 00:53
Operator : HP/JU
Sample : K3983-05
Misc :
ALS Vial : 22 Sample Multiplier: 1

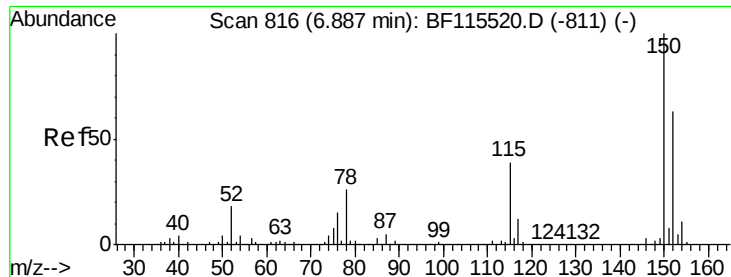
Instrument :
BNA_F
ClientSampled :
SP-5

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Quant Time: Jul 26 07:58:59 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

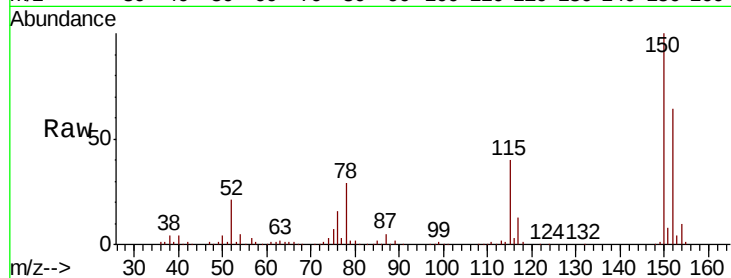
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.02 min
Lab File: BF115779.D
Acq: 26 Jul 2019 00:53

Instrument :
BNA_F
ClientSampleId :
SP-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	129.7	194.5
115	63.0	48.2	72.4

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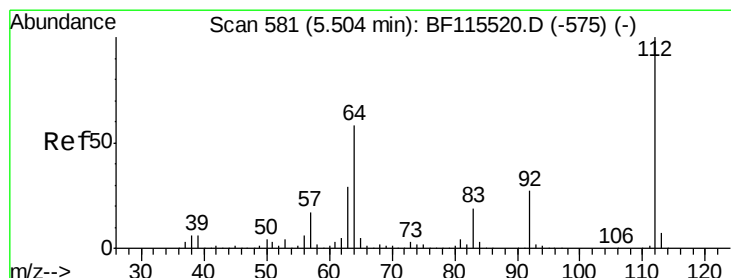
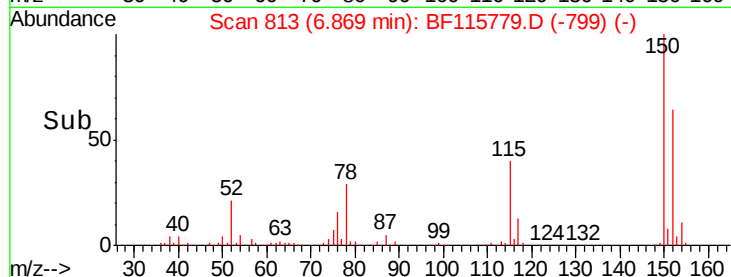
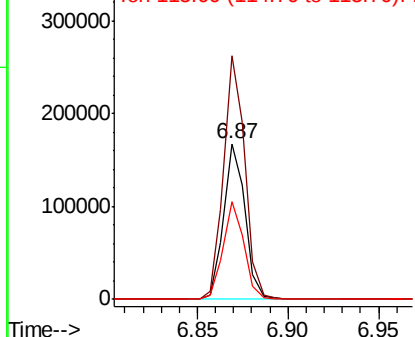


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

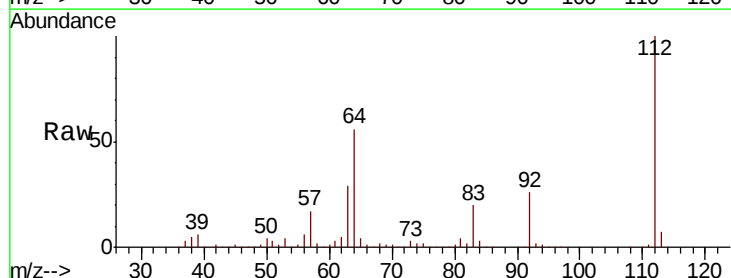
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 109.457 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115779.D
Acq: 26 Jul 2019 00:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	46.8	70.2
63	29.0	24.1	36.1

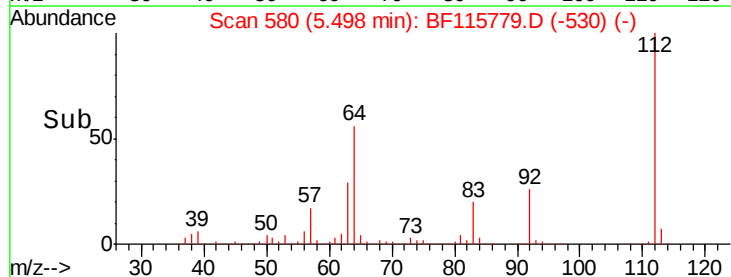
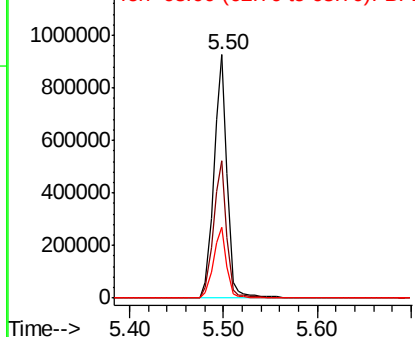


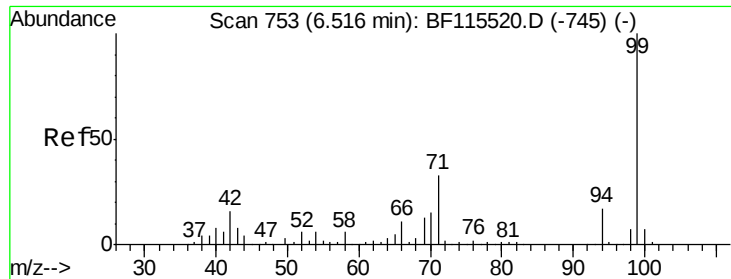
Abundance

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: 111.756 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115779.D

Acq: 26 Jul 2019 00:53

Instrument :

BNA_F

ClientSampled :

SP-5

Tot Ion: 99 Resp: 1194785

Ion Ratio Lower Upper

99 100

42 16.6 13.6 20.4

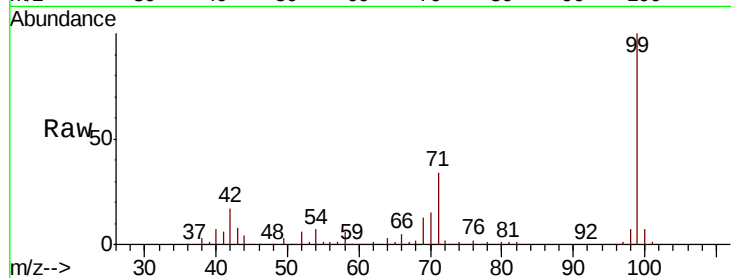
71 34.2 28.5 42.7

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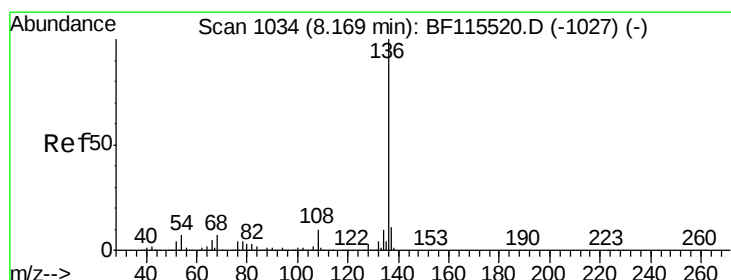
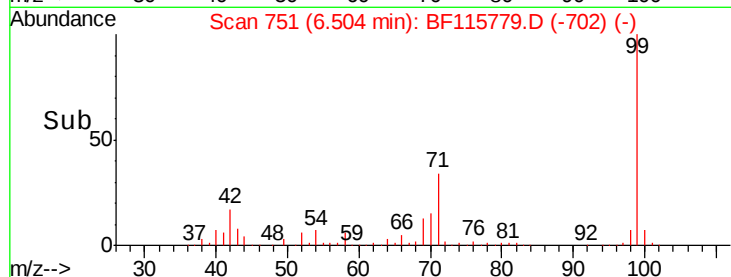
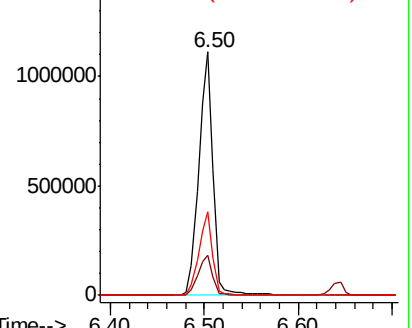
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: BF115779.D

Acq: 26 Jul 2019 00:53

Tgt Ion: 136 Resp: 515333

Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 6.7 5.6 8.4

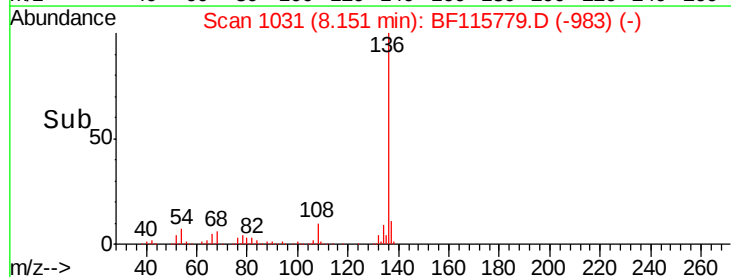
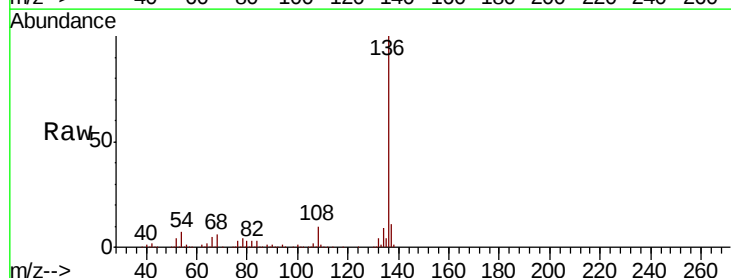
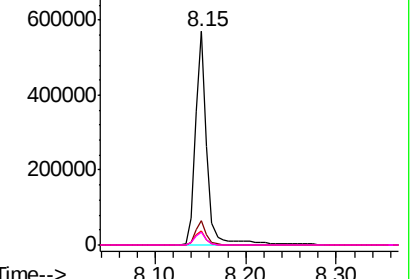
68 6.0 5.0 7.6

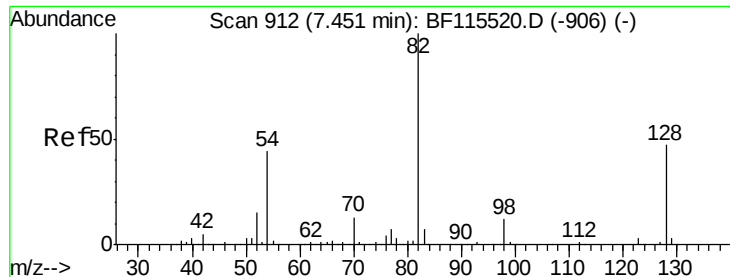
Abundance Ion 136.00 (135.70 to 136.70): E

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





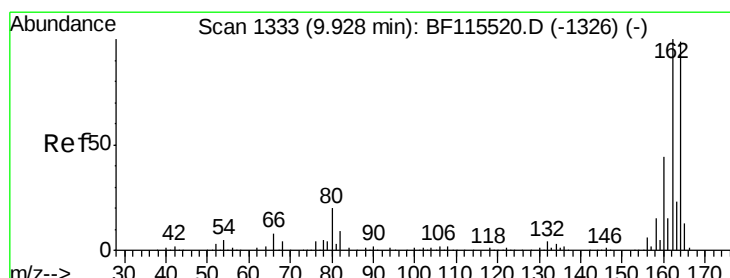
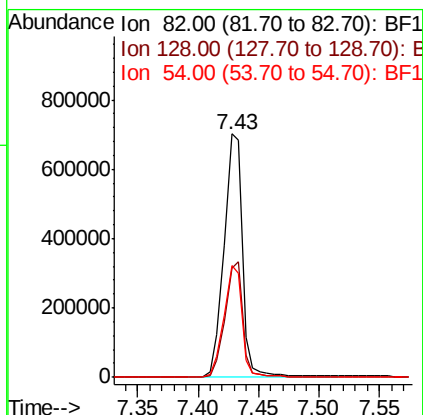
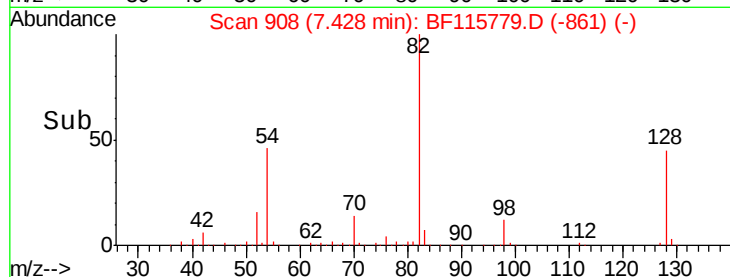
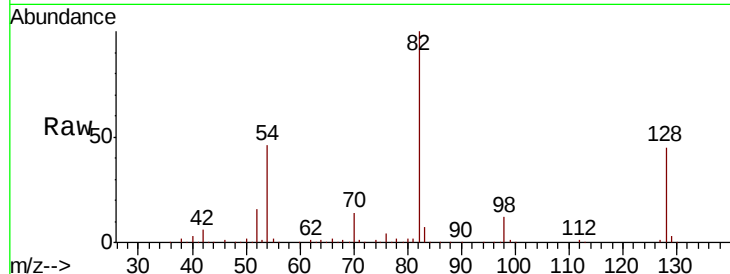
#23
Nitrobenzene-d5
Concen: 85.025 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.02 min
Lab File: BF115779.D
Acq: 26 Jul 2019 00:53

Instrument :
BNA_F
ClientSampled :
SP-5

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.9	38.6	57.8
54	45.9	35.6	53.4

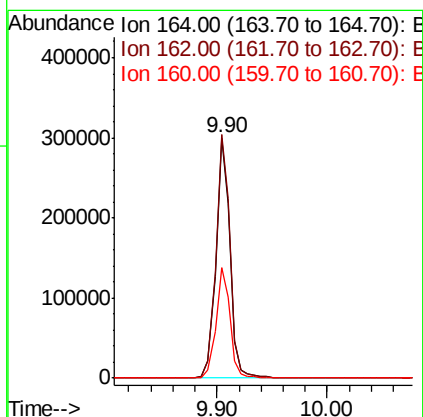
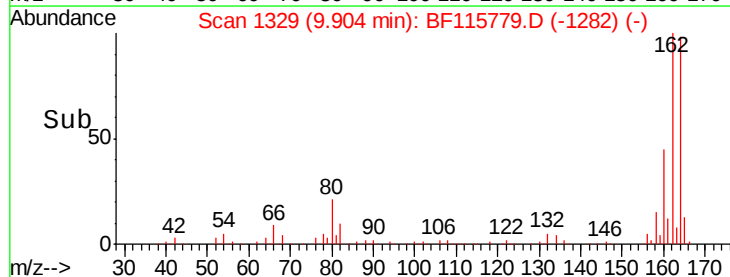
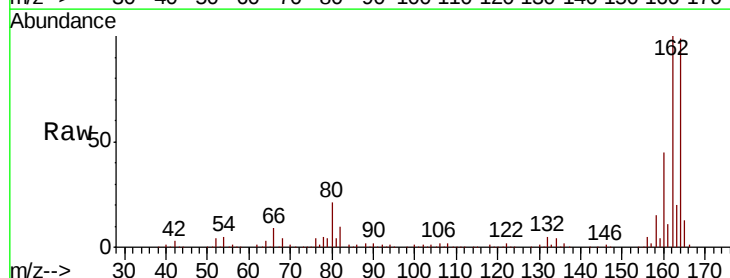
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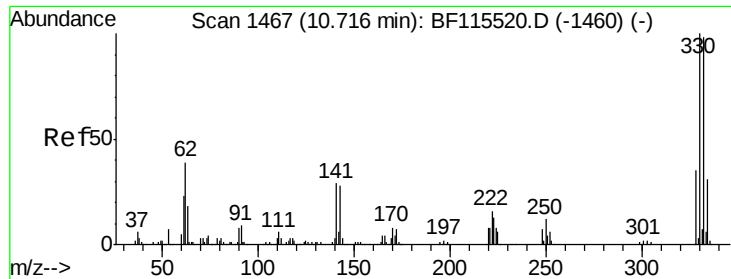
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF115779.D
Acq: 26 Jul 2019 00:53

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	82.9	124.3
160	45.9	36.8	55.2





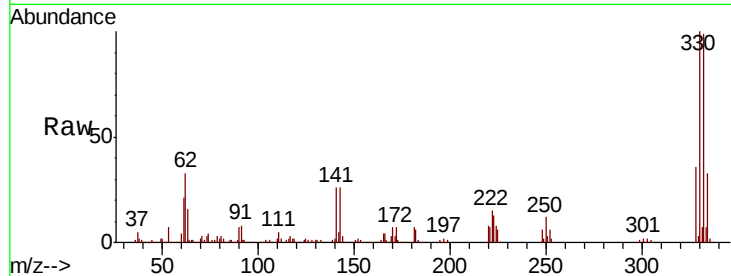
#42
 2,4,6-Tribromophenol
 Concen: 98.763 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.02 min
 Lab File: BF115779.D
 Acq: 26 Jul 2019 00:53

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

Tot Ion	Ratio	Resp	Lower	Upper
330	100	301127		
332	96.8		77.4	116.2
141	33.2		22.4	33.6

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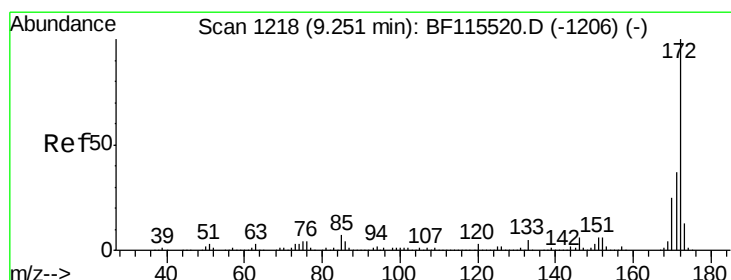
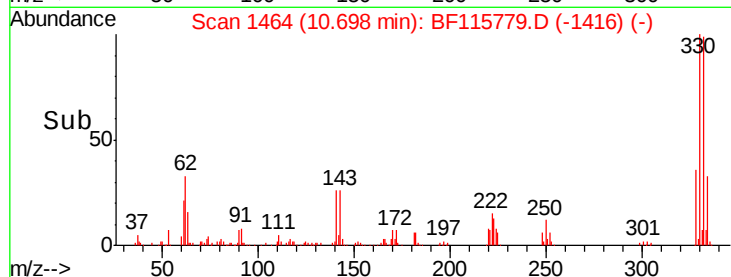
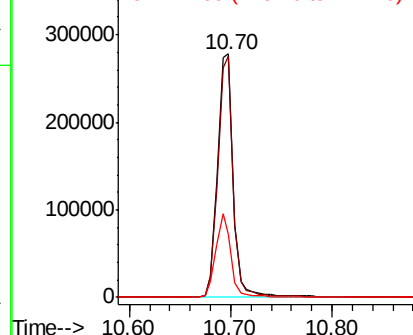


Abundance

Ion 329.80 (329.50 to 330.50): E

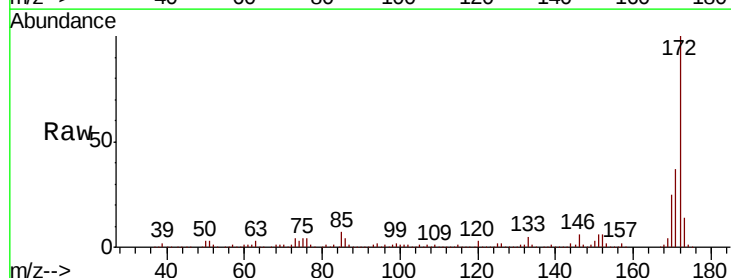
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 82.676 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.02 min
 Lab File: BF115779.D
 Acq: 26 Jul 2019 00:53

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1233865		
171	36.9		30.6	46.0
170	25.0		20.5	30.7

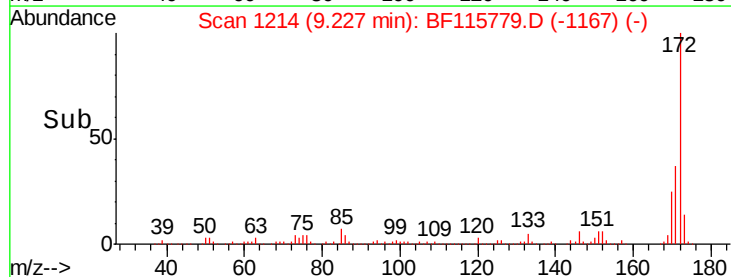
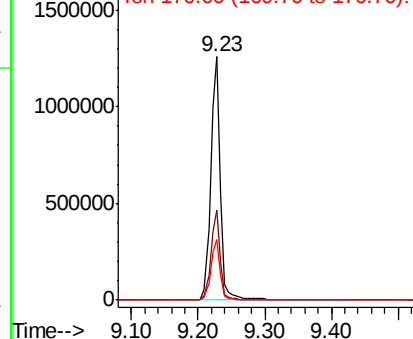


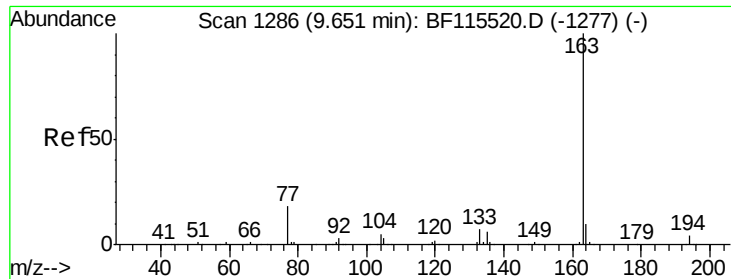
Abundance

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





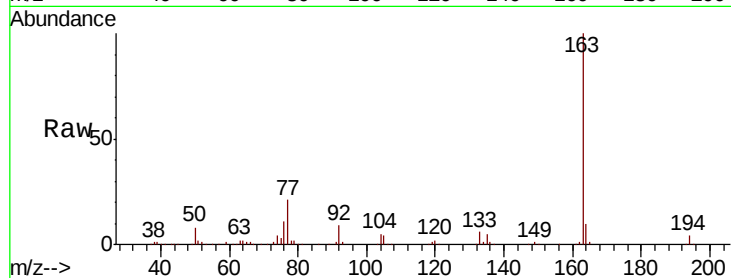
#50
Dimethylphthalate
Concen: 13.280 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.04 min
Lab File: BF115779.D
Acq: 26 Jul 2019 00:53

Instrument :
BNA_F
ClientSampleId :
SP-5

Tot Ion	Ratio	Resp	Lower	Upper
163	100	261000		
194	3.9		3.3	4.9
164	10.0		8.7	13.1

Manual Integrations
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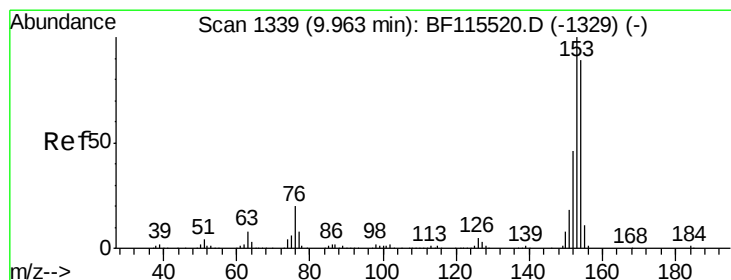
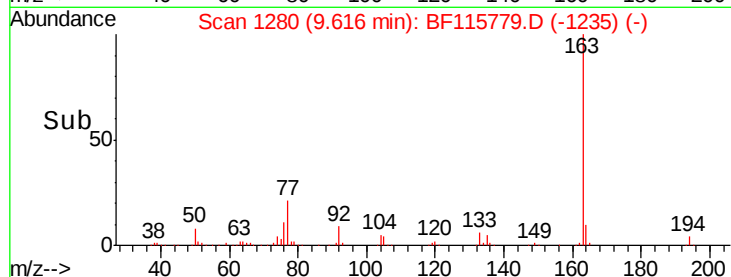
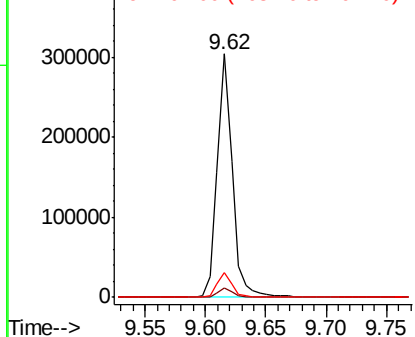


Abundance

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: 2.445 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.02 min
Lab File: BF115779.D
Acq: 26 Jul 2019 00:53

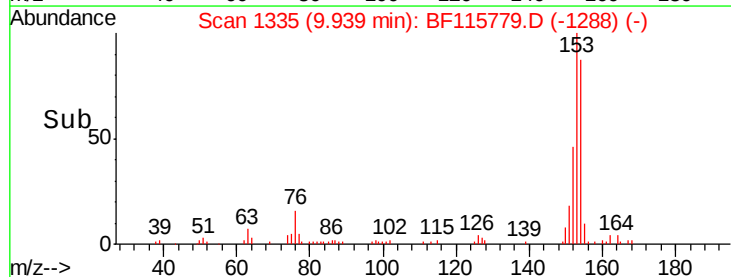
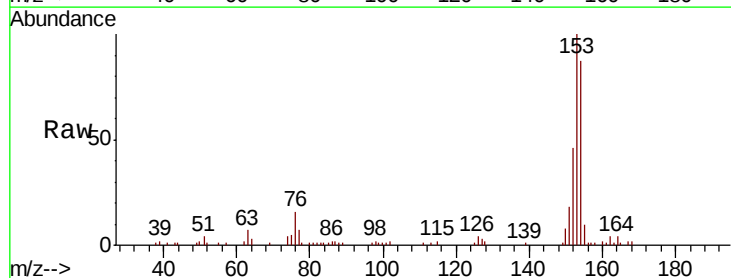
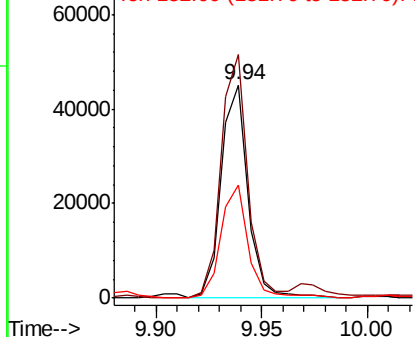
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	39774		
153	114.3		88.6	133.0
152	53.0		42.3	63.5

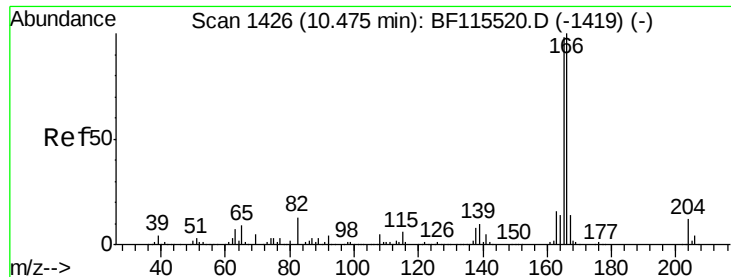
Abundance

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





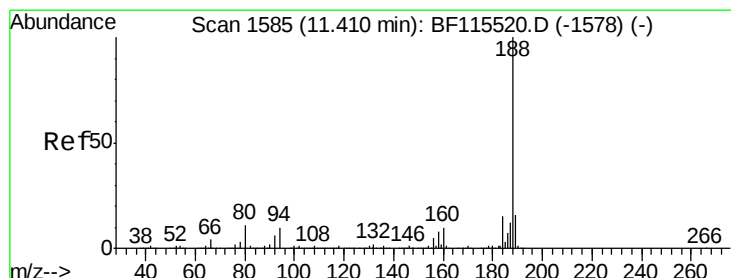
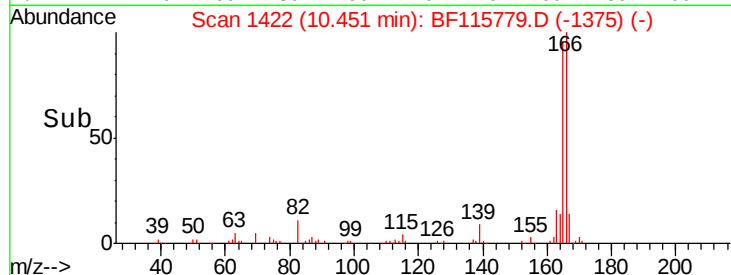
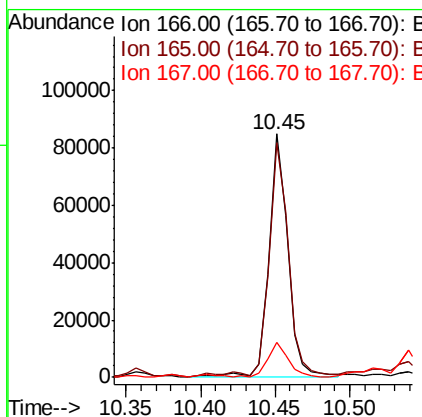
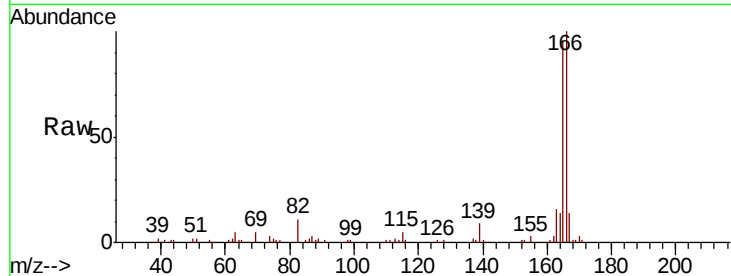
#58
 Fluorene
 Concen: 4.539 ng
 RT: 10.45 min Scan# 1422
 Delta R.T. -0.02 min
 Lab File: BF115779.D
 Acq: 26 Jul 2019 00:53

Instrument :
 BNA_F
 ClientSampled :
 SP-5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		74955		
165	96.1	79.8	119.6		
167	14.3	11.2	16.8		

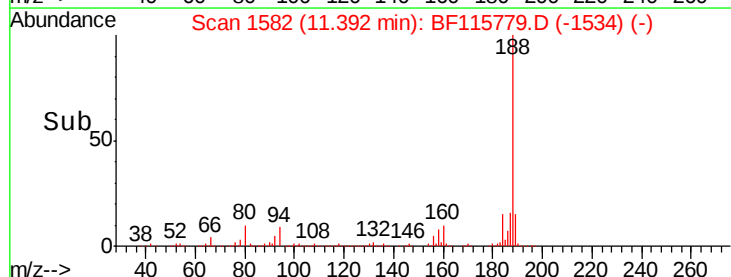
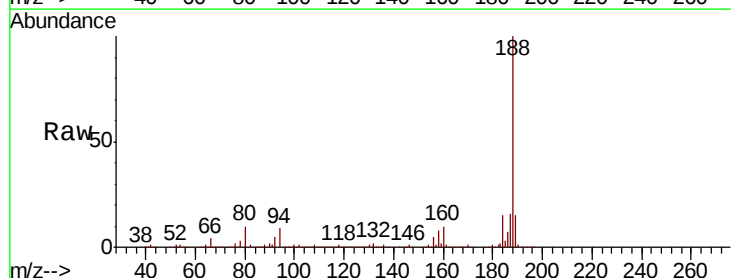
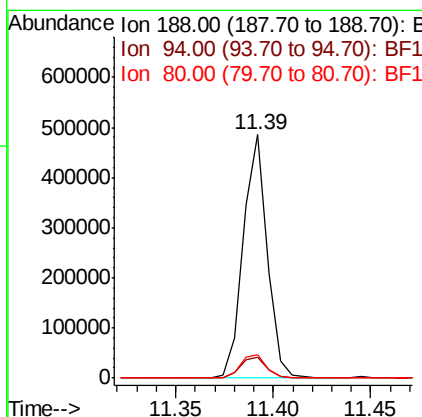
Manual Integrations
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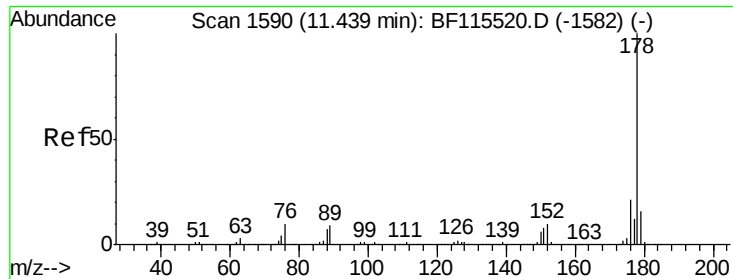
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.02 min
 Lab File: BF115779.D
 Acq: 26 Jul 2019 00:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		413272		
94	8.7	7.8	11.6		
80	9.6	8.6	13.0		





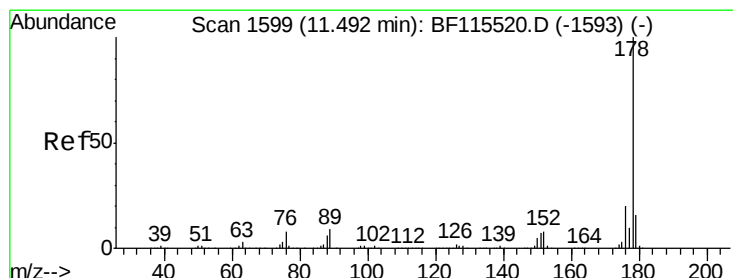
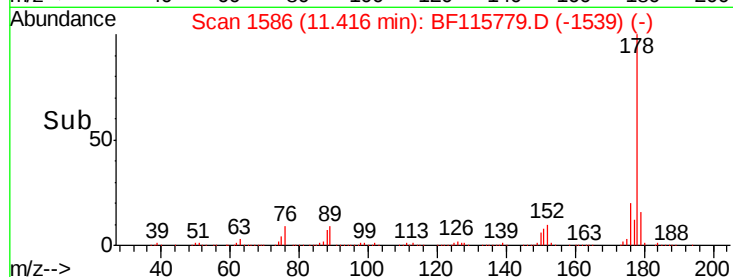
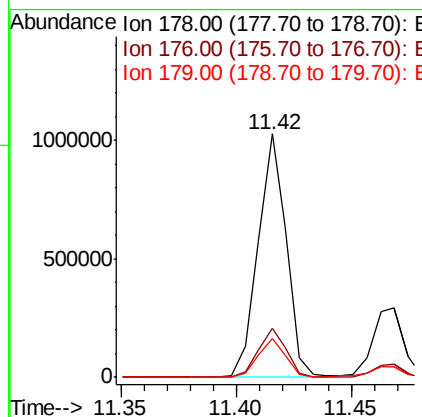
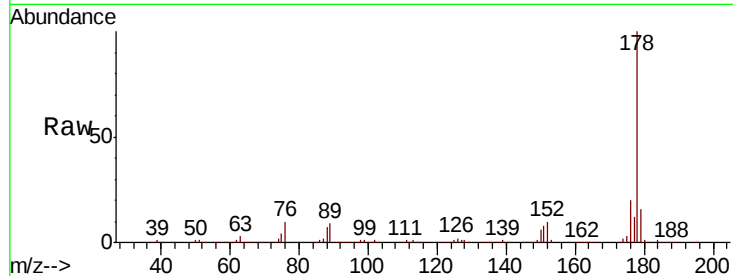
#71
Phenanthrene
Concen: 41.427 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.02 min
Lab File: BF115779.D
Acq: 26 Jul 2019 00:53

Instrument :
BNA_F
ClientSampled :
SP-5

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	17.2	25.8
179	16.1	13.5	20.3

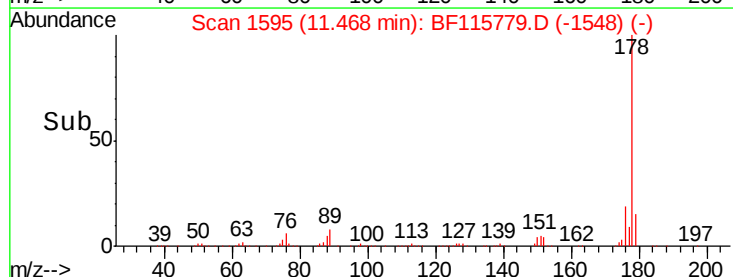
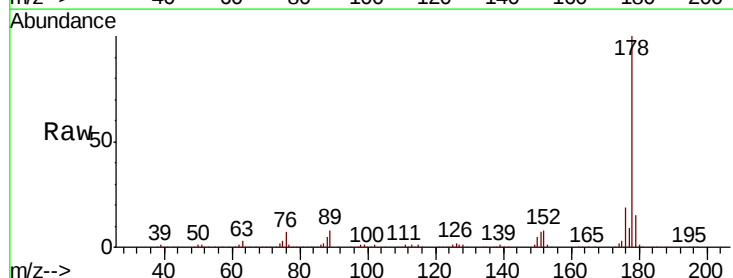
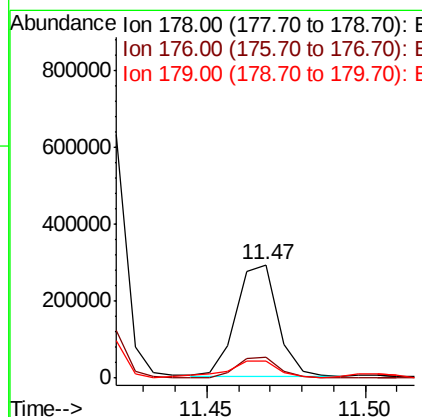
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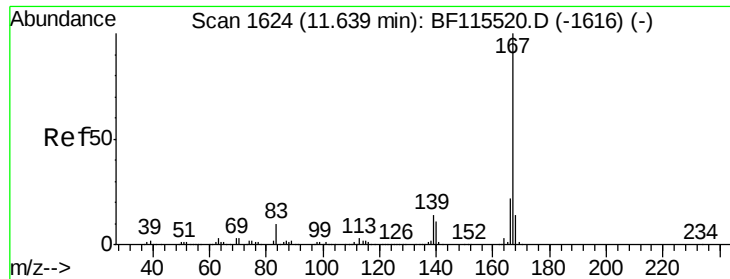
mohammad
7/26/2019 3:23:35 PM



#72
Anthracene
Concen: 12.122 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.02 min
Lab File: BF115779.D
Acq: 26 Jul 2019 00:53

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.9	23.9
179	15.1	12.7	19.1





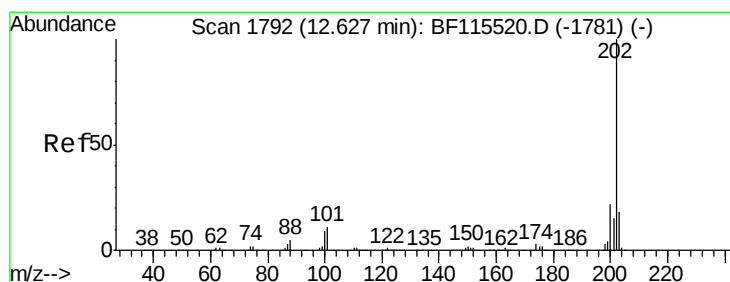
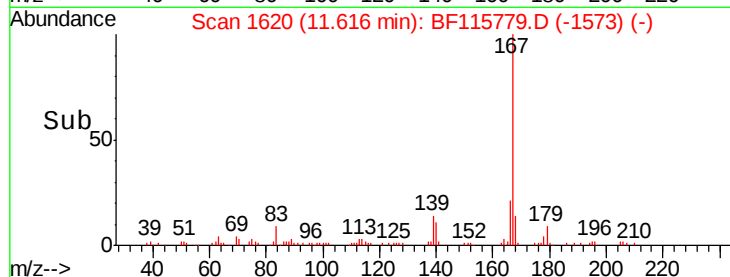
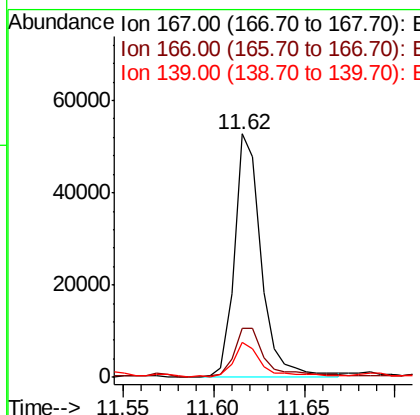
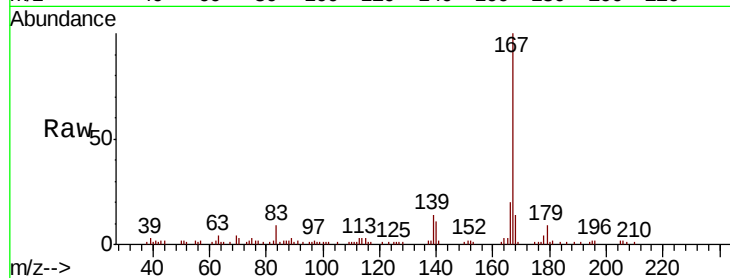
#73
 Carbazole
 Concen: 2.840 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. -0.02 min
 Lab File: BF115779.D
 Acq: 26 Jul 2019 00:53

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

Tot Ion	Ratio	Lower	Upper
167	100		
166	20.4	18.1	27.1
139	14.2	11.3	16.9

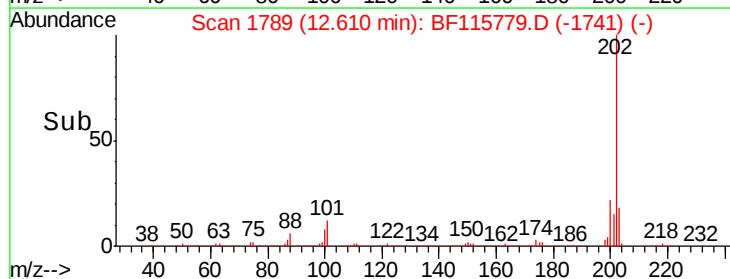
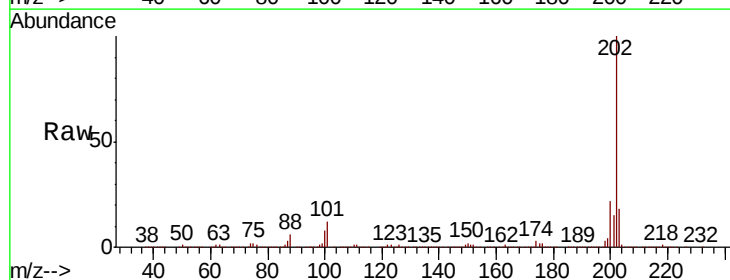
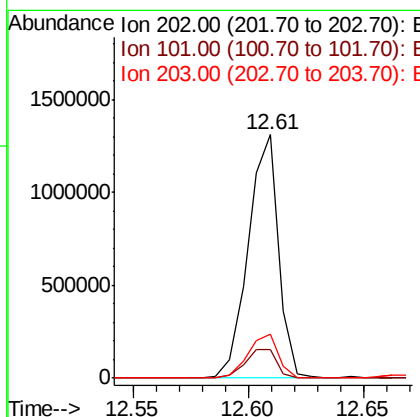
Manual Integrations
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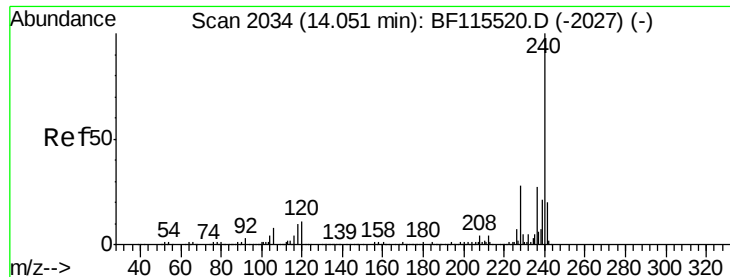
mohammad
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#75
 Fluoranthene
 Concen: 53.757 ng
 RT: 12.61 min Scan# 1789
 Delta R.T. -0.02 min
 Lab File: BF115779.D
 Acq: 26 Jul 2019 00:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.4
203	18.1	0.0	38.1





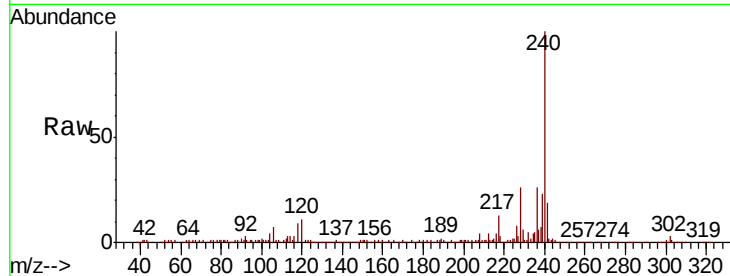
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.02 min
Lab File: BF115779.D
Acq: 26 Jul 2019 00:53

Instrument :
BNA_F
ClientSampleId :
SP-5

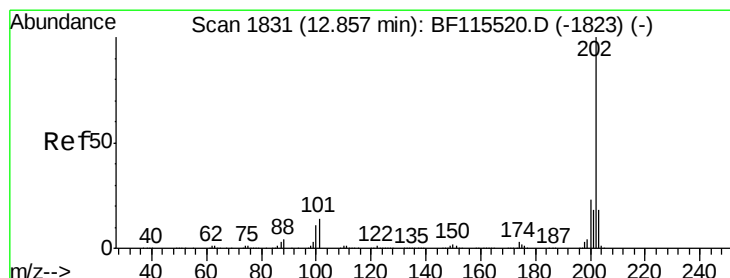
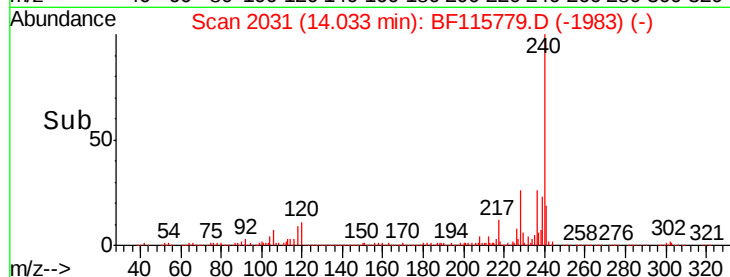
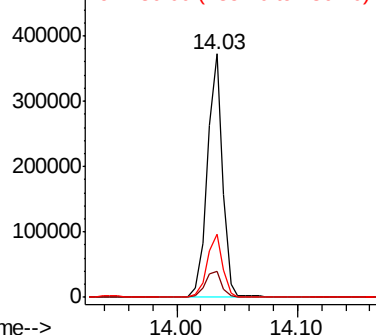
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.6	13.0
236	26.1	21.3	31.9

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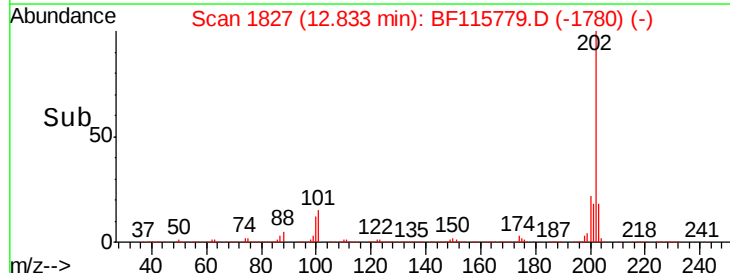
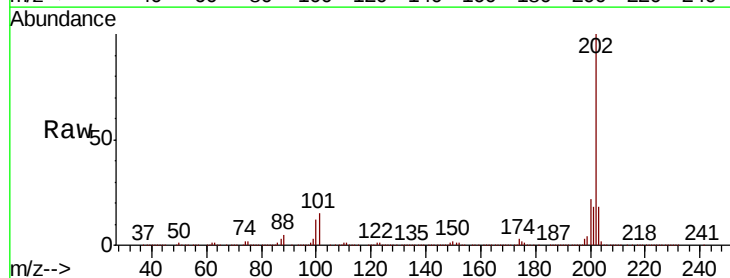
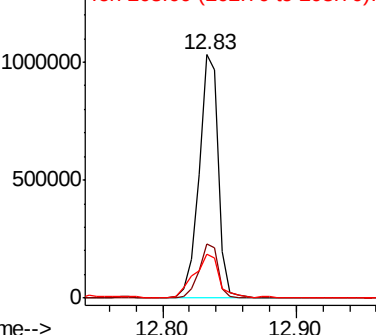
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

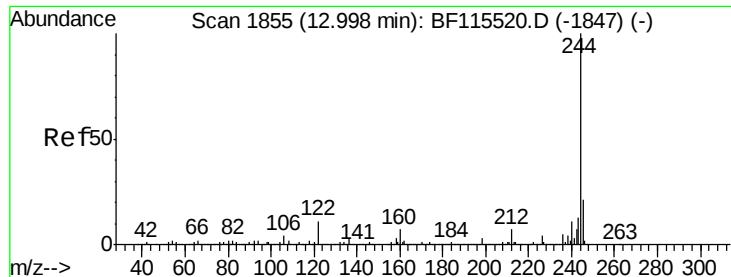


#78
Pyrene
Concen: 38.131 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.02 min
Lab File: BF115779.D
Acq: 26 Jul 2019 00:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.5	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





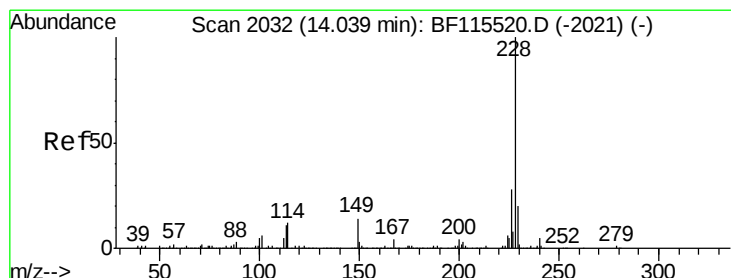
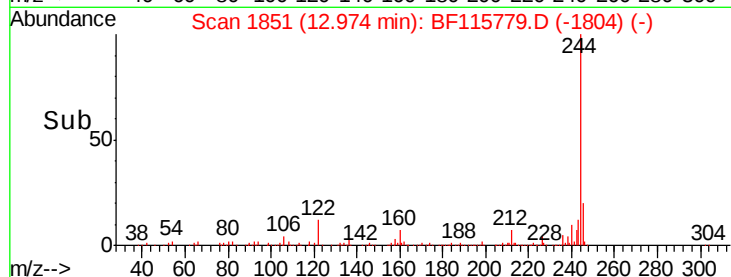
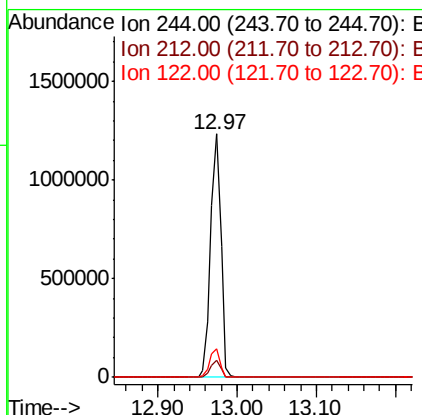
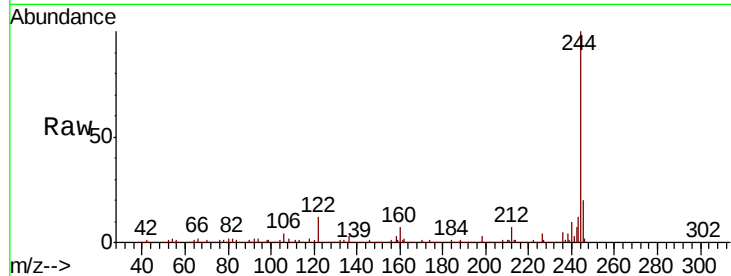
#79
 Terphenyl-d14
 Concen: 63.346 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.02 min
 Lab File: BF115779.D
 Acq: 26 Jul 2019 00:53

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

Tot Ion:244 Resp: 1117617
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 11.6 8.6 12.8

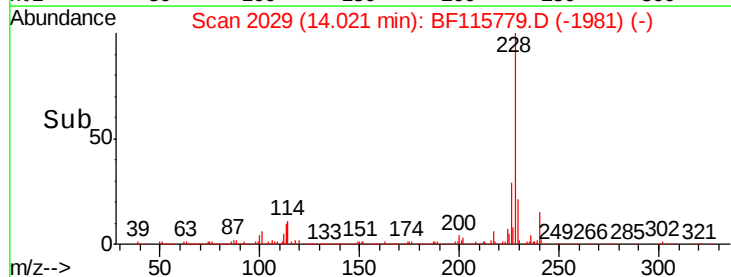
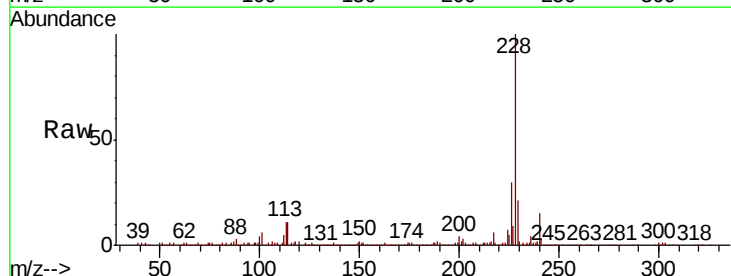
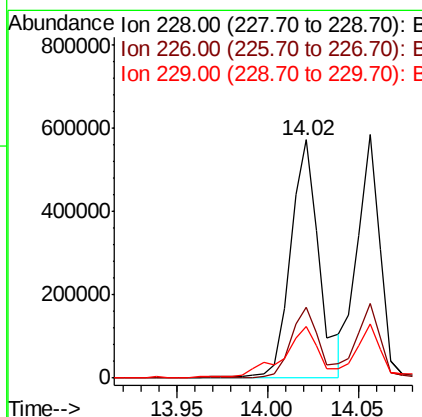
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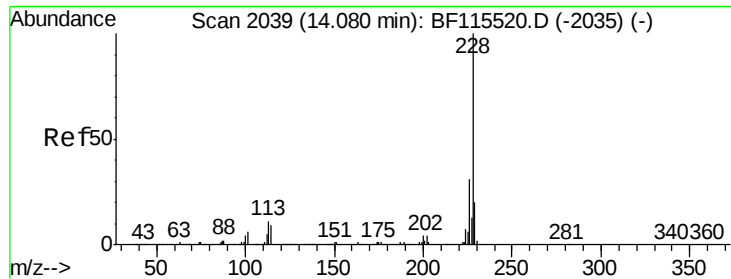
mohammad
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#81
 Benzo(a)anthracene
 Concen: 29.322 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.02 min
 Lab File: BF115779.D
 Acq: 26 Jul 2019 00:53

Tgt Ion:228 Resp: 628868
 Ion Ratio Lower Upper
 228 100
 226 29.6 23.4 35.0
 229 21.4 17.2 25.8





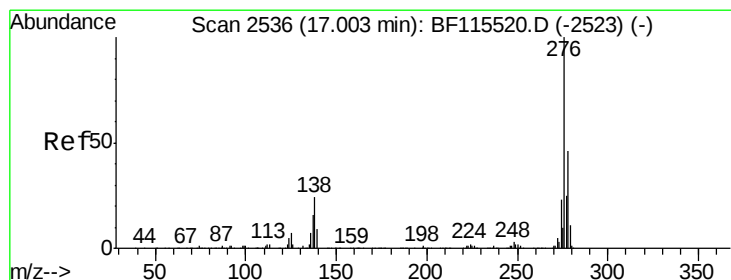
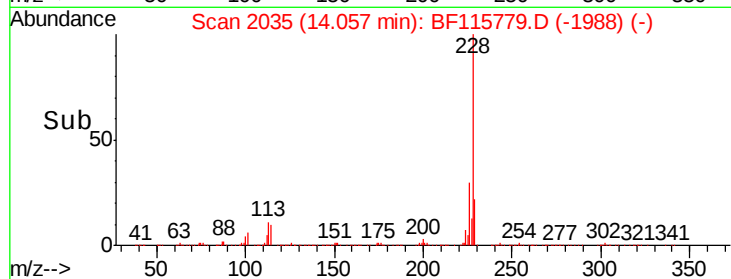
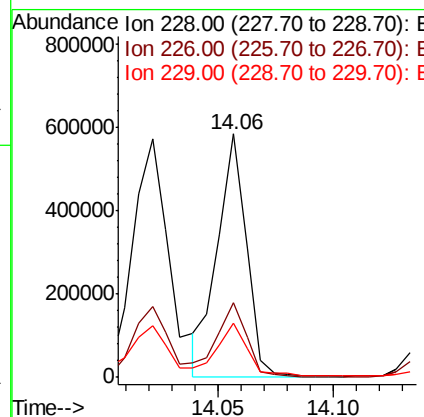
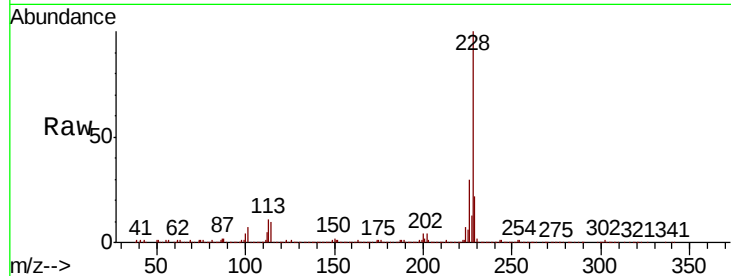
#83
Chrysene
Concen: 23.615 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.02 min
Lab File: BF115779.D
Acq: 26 Jul 2019 00:53

Instrument :
BNA_F
ClientSampleId :
SP-5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	30.4		25.7	38.5	
229	22.0		16.6	25.0	

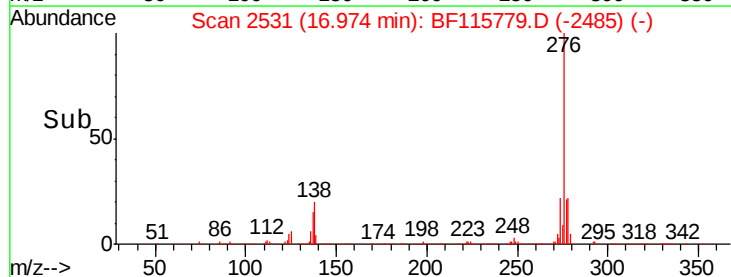
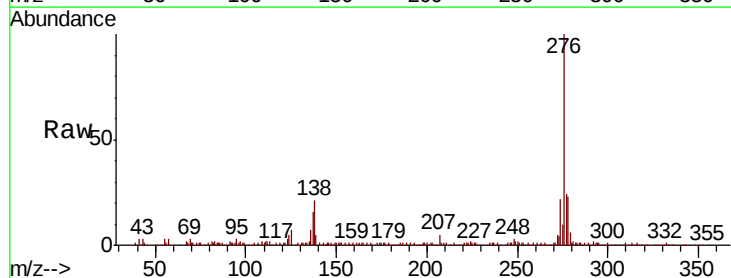
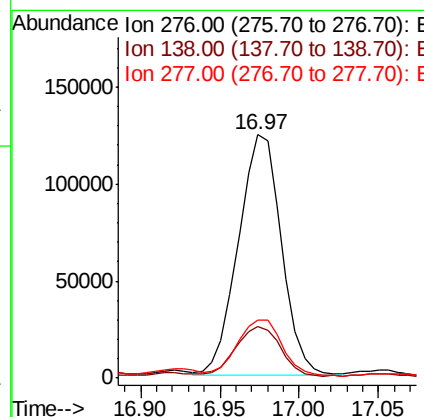
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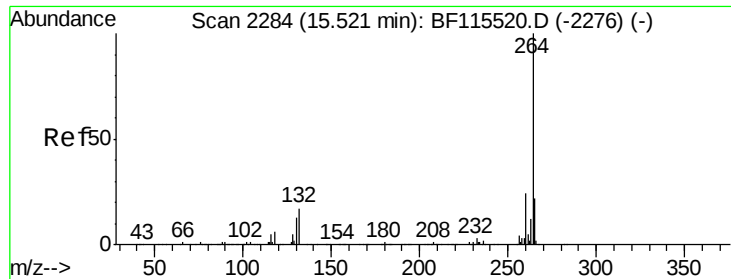
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 12.891 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.03 min
Lab File: BF115779.D
Acq: 26 Jul 2019 00:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	21.0		20.2	30.2	
277	24.0		20.4	30.6	





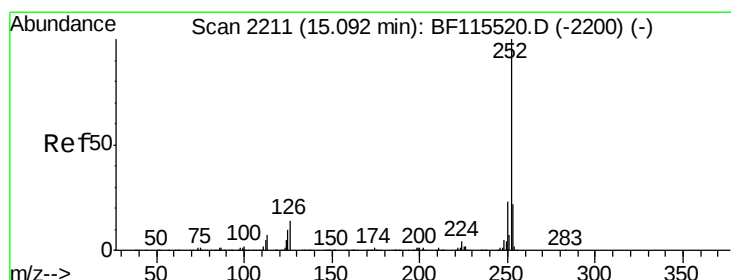
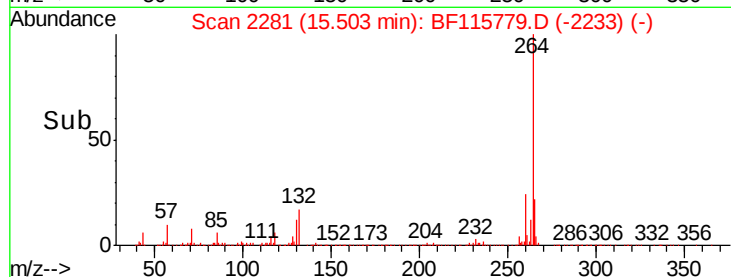
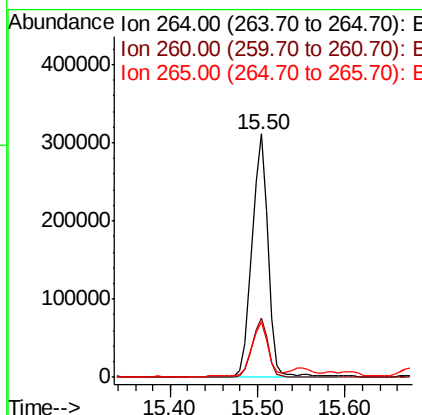
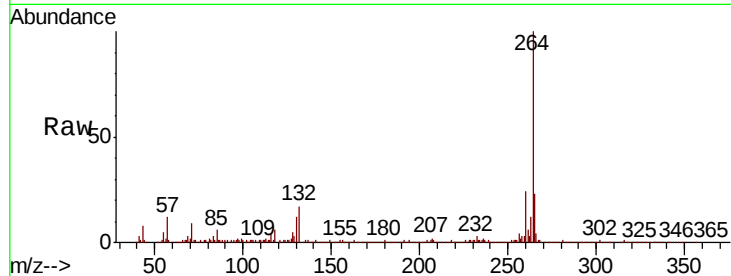
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.02 min
Lab File: BF115779.D
Acq: 26 Jul 2019 00:53

Instrument :
BNA_F
ClientSampleId :
SP-5

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.8	29.8
265	22.7	17.7	26.5

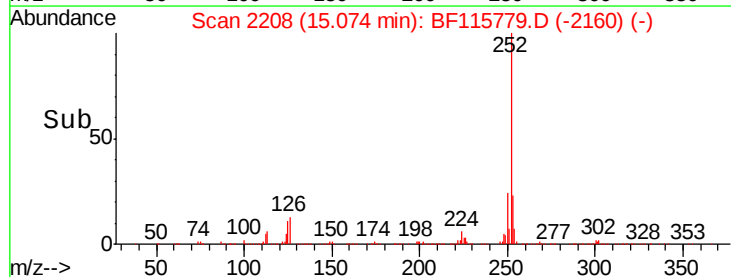
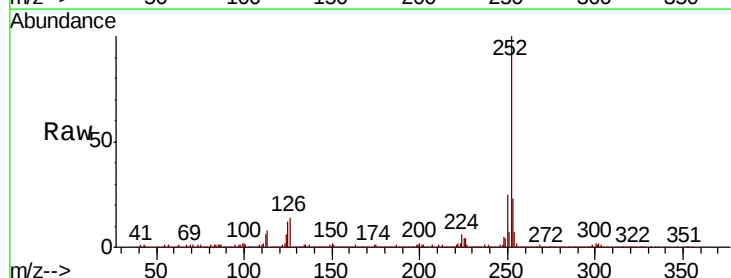
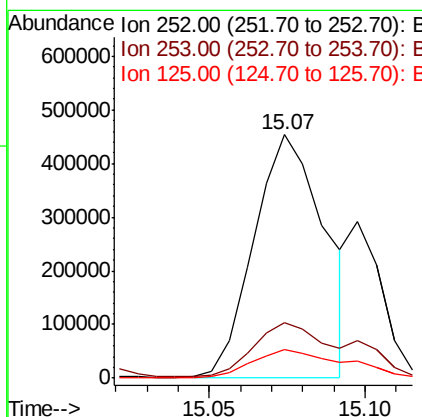
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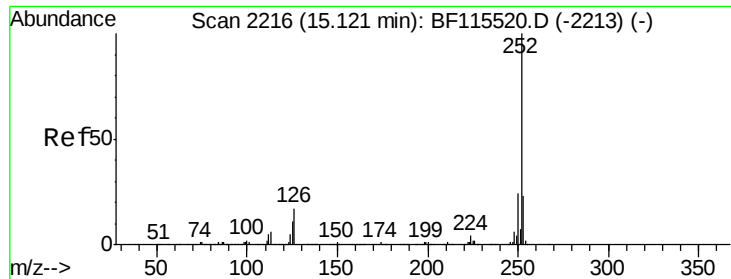
mohammad
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#88
Benzo(b)fluoranthene
Concen: 29.200 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.02 min
Lab File: BF115779.D
Acq: 26 Jul 2019 00:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	11.6	9.0	13.4





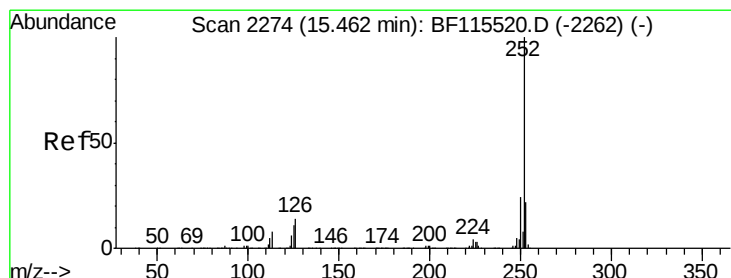
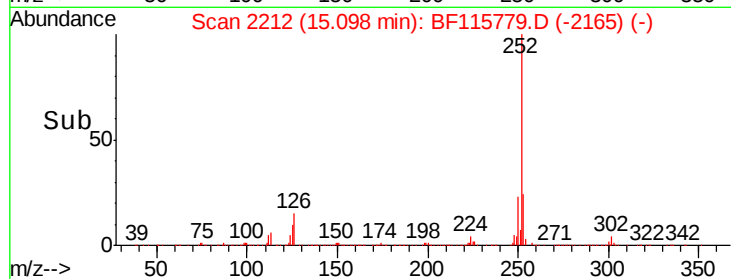
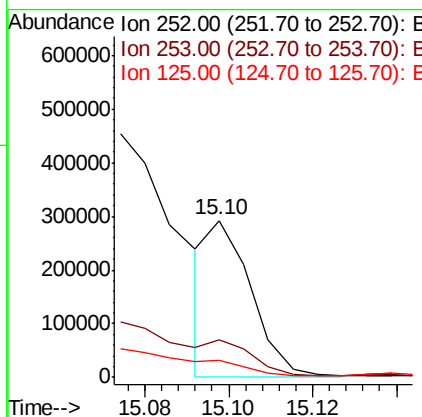
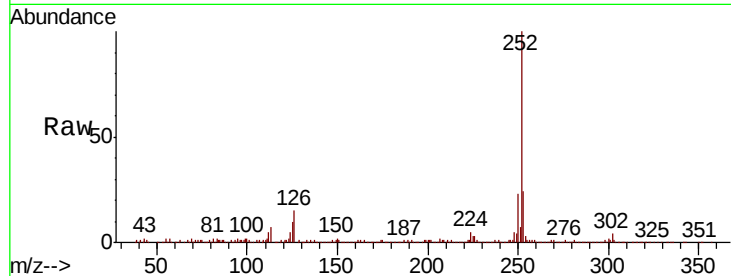
#89
Benzo(k)fluoranthene
Concen: 9.643 ng m
RT: 15.10 min Scan# 2212
Delta R.T. -0.02 min
Lab File: BF115779.D
Acq: 26 Jul 2019 00:53

Instrument :
BNA_F
ClientSampleId :
SP-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.6	28.0
125	10.5	9.0	13.6

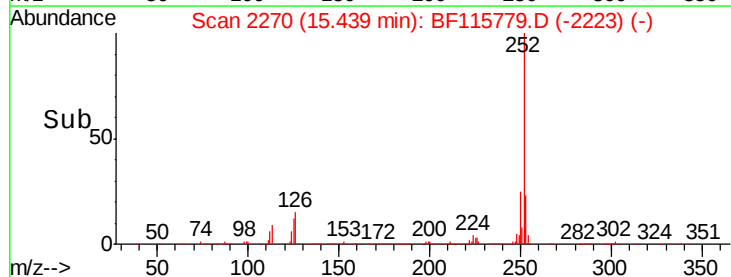
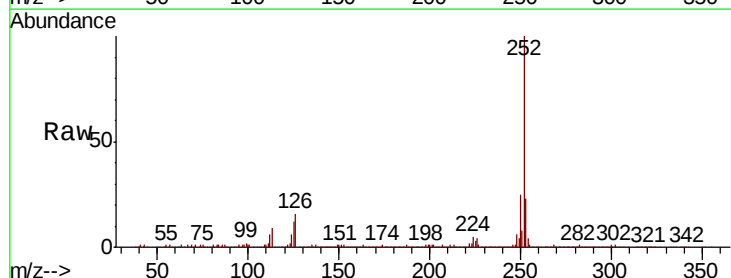
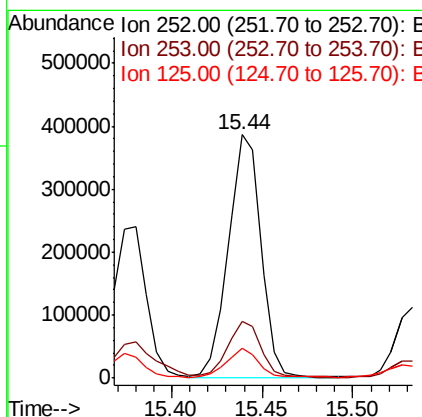
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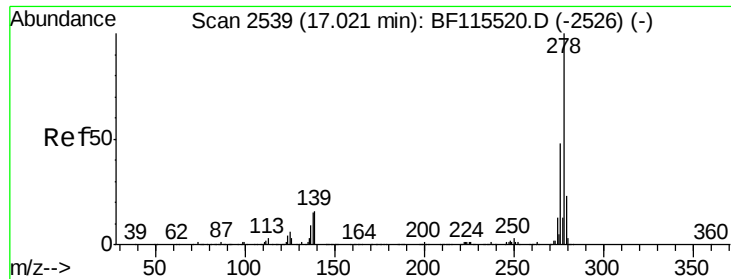
mohammad
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#90
Benzo(a)pyrene
Concen: 22.835 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF115779.D
Acq: 26 Jul 2019 00:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	12.4	9.1	13.7





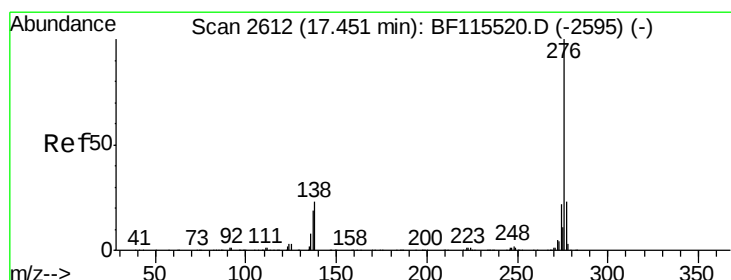
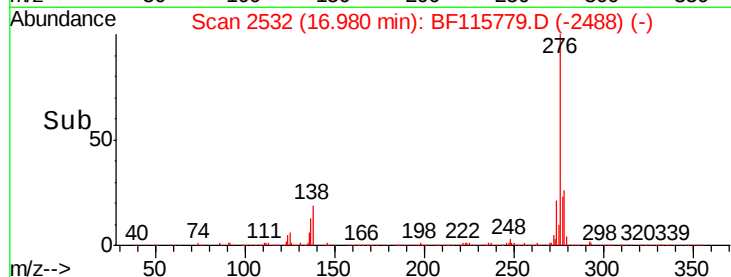
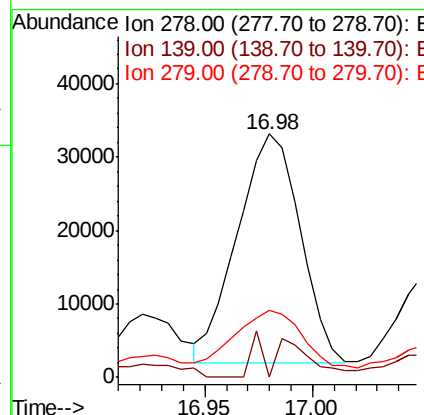
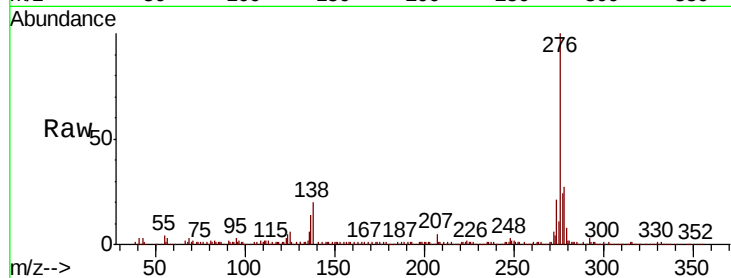
#91
Dibenzo(a,h)anthracene
Concen: 3.400 ng m
RT: 16.98 min Scan# 2532
Delta R.T. -0.04 min
Lab File: BF115779.D
Acq: 26 Jul 2019 00:53

Instrument :
BNA_F
ClientSampleId :
SP-5

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.1	19.7#
279	27.7	19.6	29.4

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#92
Benzo(g,h,i)perylene
Concen: 10.914 ng
RT: 17.42 min Scan# 2607
Delta R.T. -0.03 min
Lab File: BF115779.D
Acq: 26 Jul 2019 00:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.0	28.4
138	22.5	17.2	25.8

