

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
 Data File : BF116058.D
 Acq On : 7 Aug 2019 20:41
 Operator : HP/JU
 Sample : K4178-01 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 370-371

Manual Integrations
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 8/8/2019 4:47:04 PM

Quant Time: Aug 08 08:26:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	132818	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	499391	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	232938	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	329281	20.00	ng	0.00
76) Chrysene-d12	14.01	240	283587	20.00	ng	0.00
87) Perylene-d12	15.48	264	296112	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	339675	42.81	ng	0.00
7) Phenol-d6	6.47	99	438502	43.81	ng	-0.01
23) Nitrobenzene-d5	7.40	82	260235	30.08	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	74957	33.19	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	507629	40.82	ng	0.00
79) Terphenyl-d14	12.94	244	416252	30.93	ng	0.00

Target Compounds				Qvalue		
49) Acenaphthylene	9.74	152	219712	11.003	ng	98
50) Dimethylphthalate	9.59	163	80936	5.103	ng	# 96
58) Fluorene	10.43	166	31542	2.301	ng	# 86
71) Phenanthrene	11.39	178	447820	26.603	ng	99
72) Anthracene	11.44	178	237006	13.912	ng	99
75) Fluoranthene	12.58	202	749856	42.550	ng	96
78) Pyrene	12.82	202	1612586	75.435	ng	98
81) Benzo(a)anthracene	14.00	228	663439	36.602	ng	92
83) Chrysene	14.04	228	633113	35.978	ng	98
86) Indeno(1,2,3-cd)pyrene	16.95	276	238906	16.164	ng	96
88) Benzo(b)fluoranthene	15.06	252	520756m	30.415	ng	
89) Benzo(k)fluoranthene	15.07	252	173452m	10.401	ng	
90) Benzo(a)pyrene	15.42	252	543150	35.488	ng	99
91) Dibenzo(a,h)anthracene	16.95	278	73434	5.543	ng	# 76
92) Benzo(a,h,i)perylene	17.40	276	378687	29.105	ng	97

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

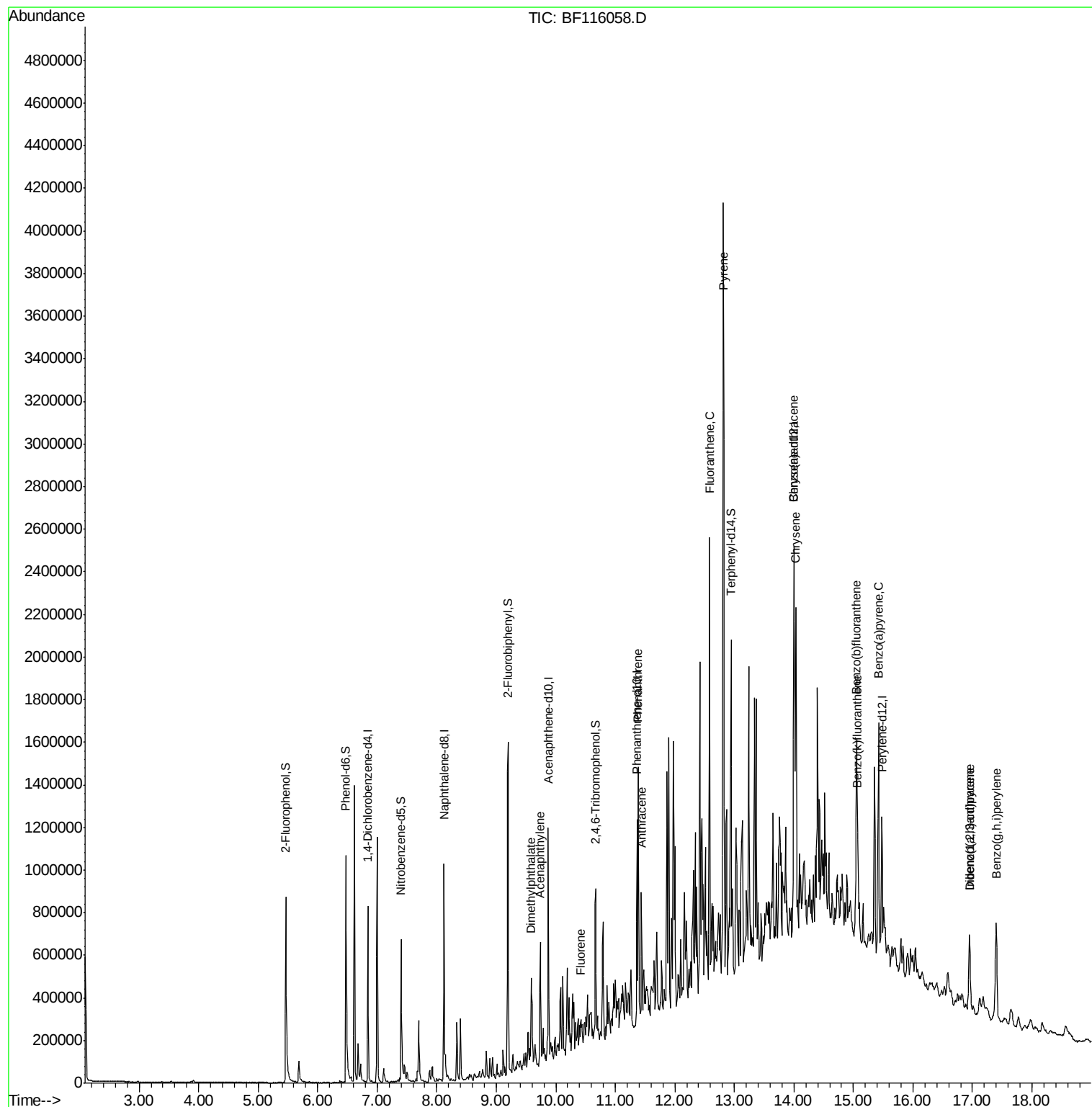
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
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#1

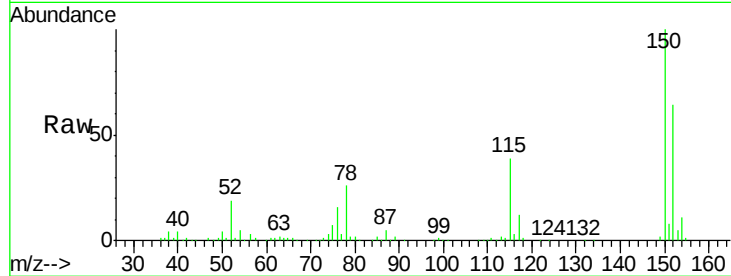
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.00 min
Lab File: BF116058.D
Acq: 7 Aug 2019 20:41

Instrument :
BNA_F
ClientSampleId :
370-371

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	126.2	189.2
115	60.2	49.9	74.9

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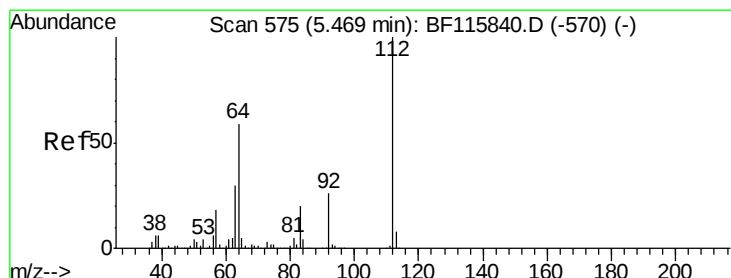
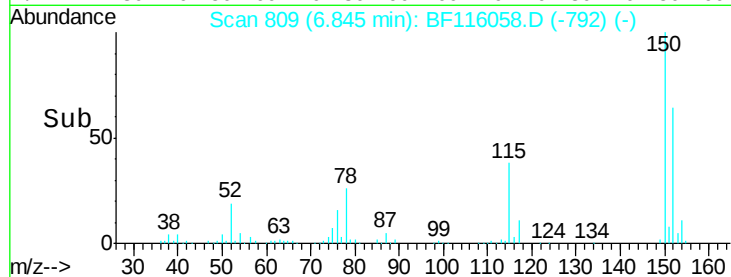
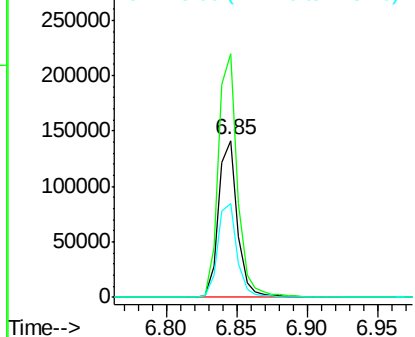


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

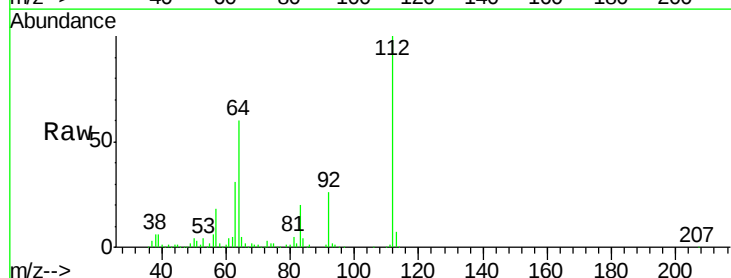
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 42.813 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF116058.D
Acq: 7 Aug 2019 20:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.9	45.4	68.2
63	31.1	23.7	35.5

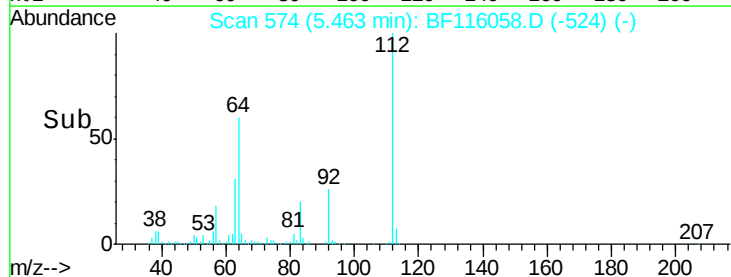
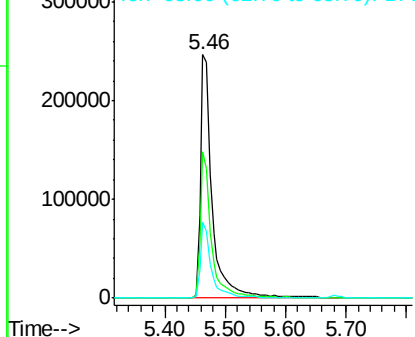


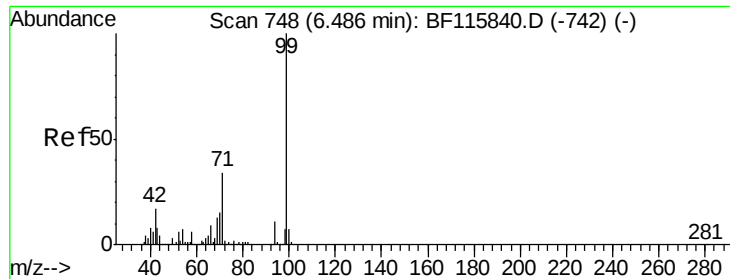
Abundance

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: 43.806 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116058.D

Acq: 7 Aug 2019 20:41

Instrument :

BNA_F

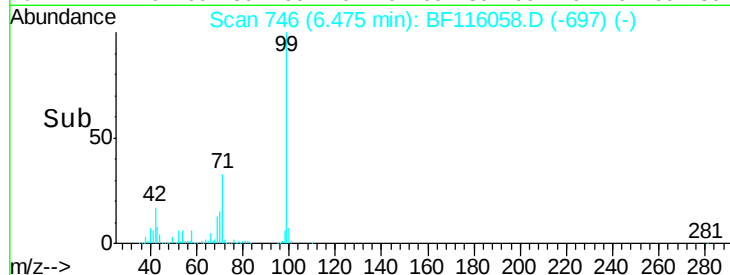
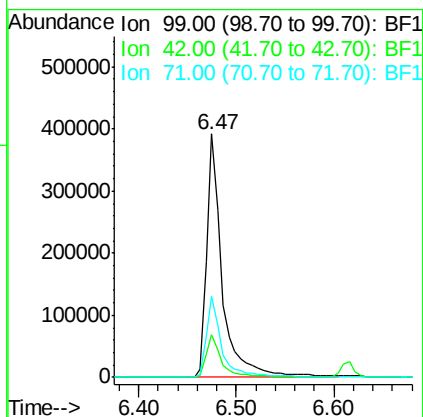
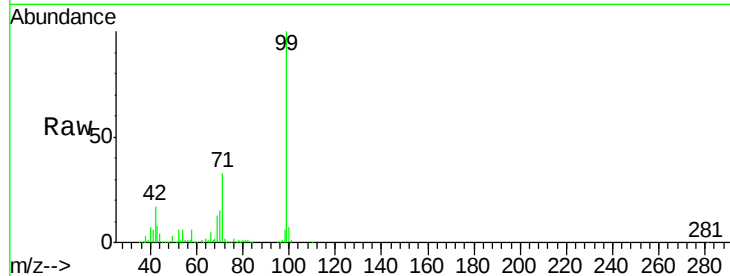
ClientSampleId :

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Tot Ion:	99	Resp:	438502
Ion	Ratio	Lower	Upper
99	100		
42	17.5	13.8	20.8
71	33.4	27.3	40.9

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#21

Naphthalene-d8

Concen: 20.000 ng

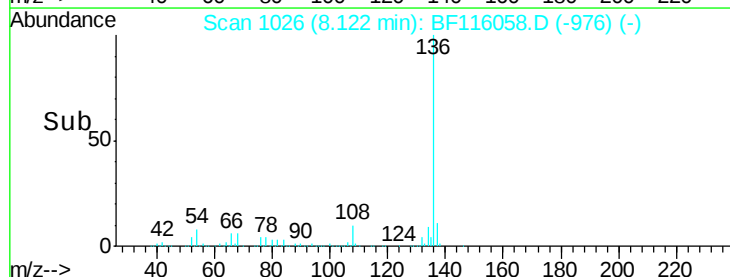
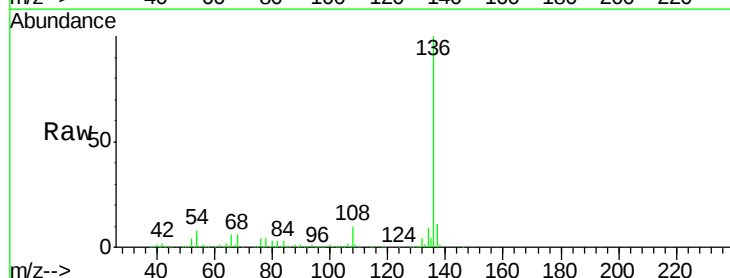
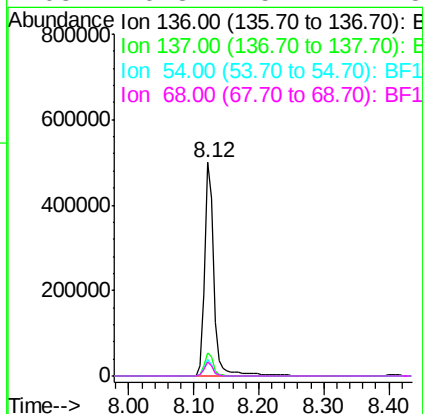
RT: 8.12 min Scan# 1026

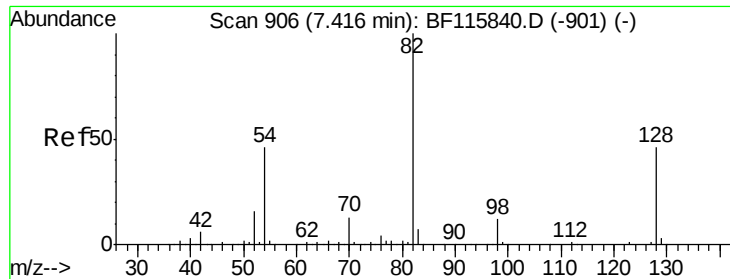
Delta R.T. -0.01 min

Lab File: BF116058.D

Acq: 7 Aug 2019 20:41

Tgt Ion:	136	Resp:	499391
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	7.5	5.8	8.6
68	6.3	5.2	7.8





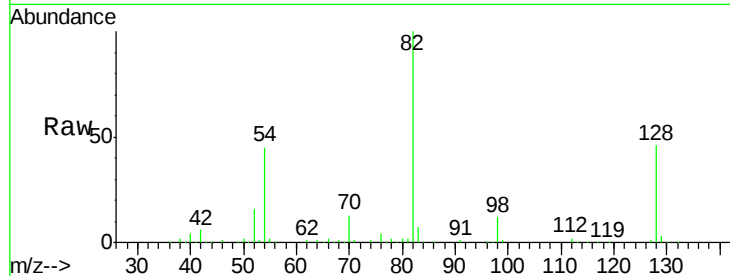
#23
Nitrobenzene-d5
Concen: 30.080 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116058.D
Acq: 7 Aug 2019 20:41

Instrument :
BNA_F
ClientSampleId :
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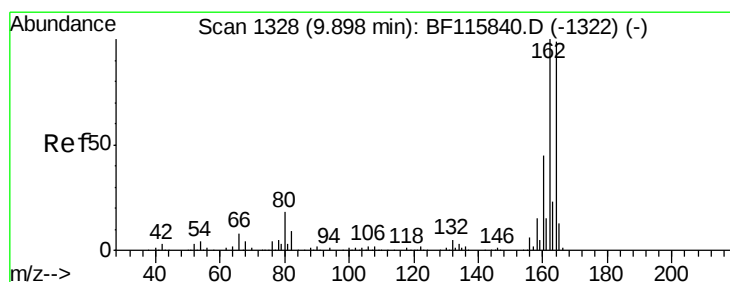
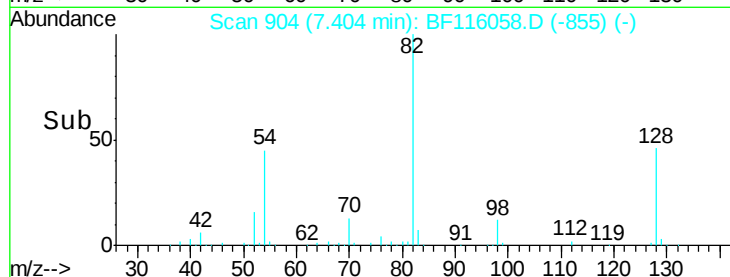
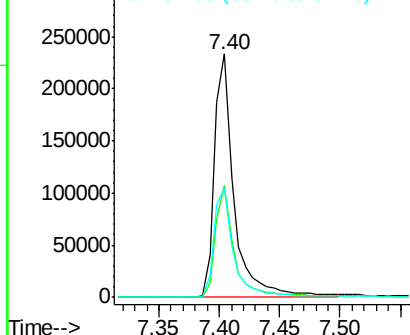
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.5	54.7
54	45.1	36.0	54.0

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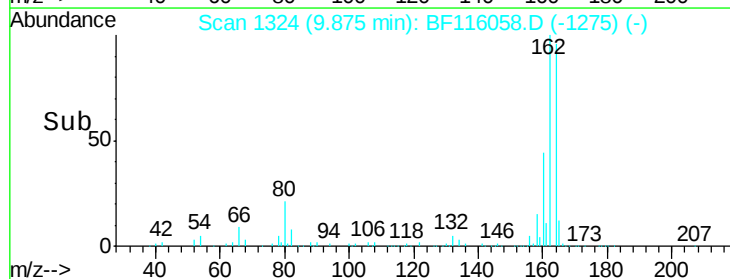
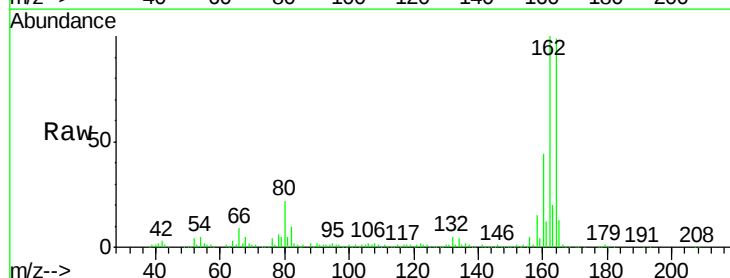
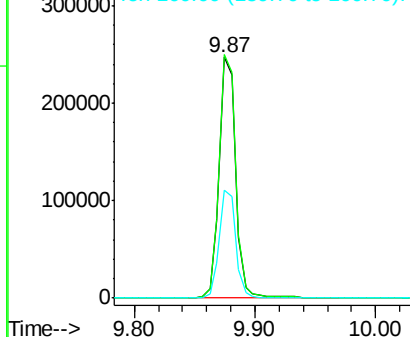
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF116058.D
Acq: 7 Aug 2019 20:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.2	82.6	124.0
160	44.9	37.6	56.4

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: 33.190 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116058.D

Acq: 7 Aug 2019 20:41

Instrument :

BNA_F

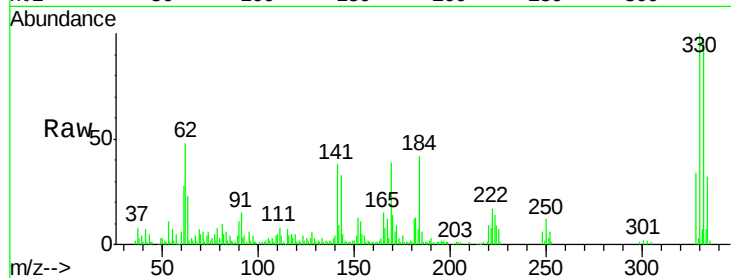
ClientSampled :

370-371

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.8	115.2
141	40.3	26.3	39.5

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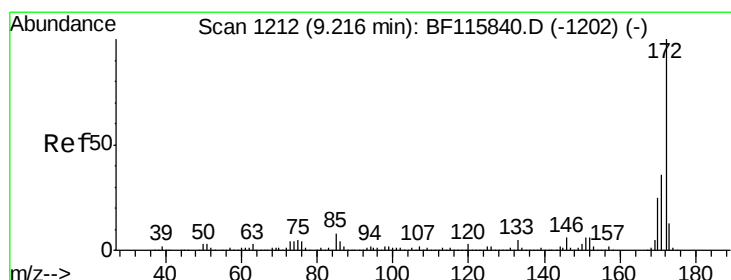
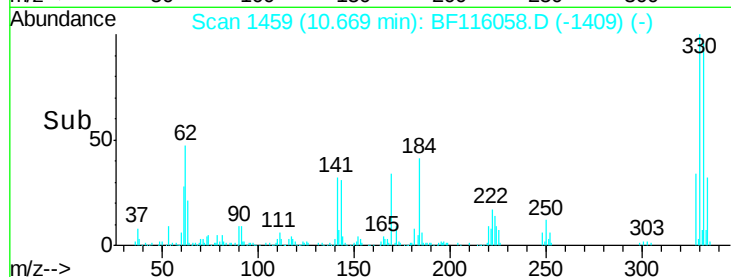
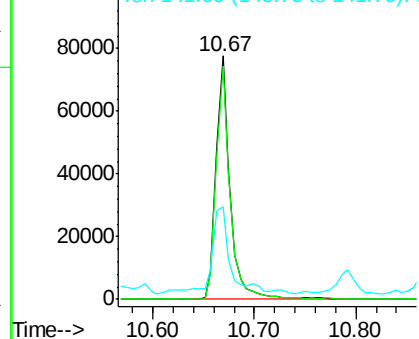


Abundance

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: 40.819 ng

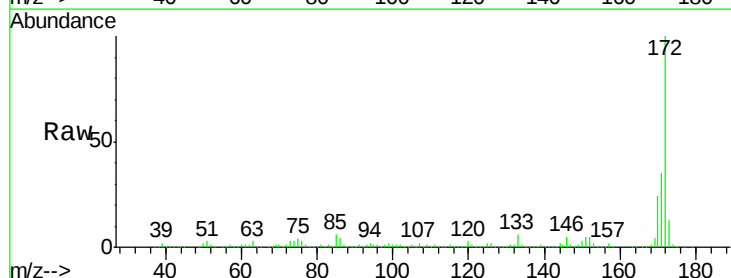
RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

Lab File: BF116058.D

Acq: 7 Aug 2019 20:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	24.2	20.1	30.1

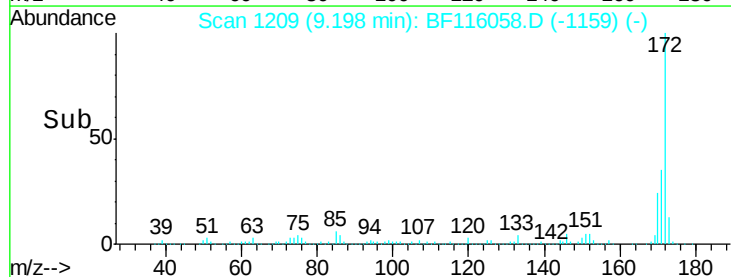
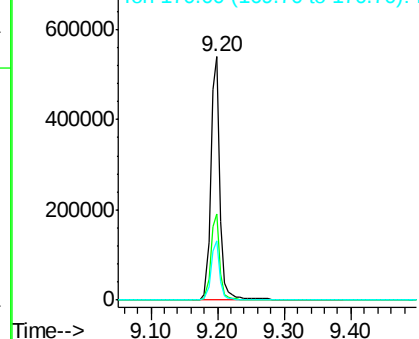


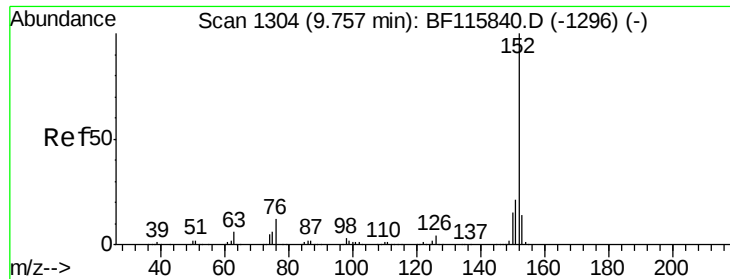
Abundance

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





#49

Acenaphthylene

Concen: 11.003 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF116058.D

Acq: 7 Aug 2019 20:41

Instrument :

BNA_F

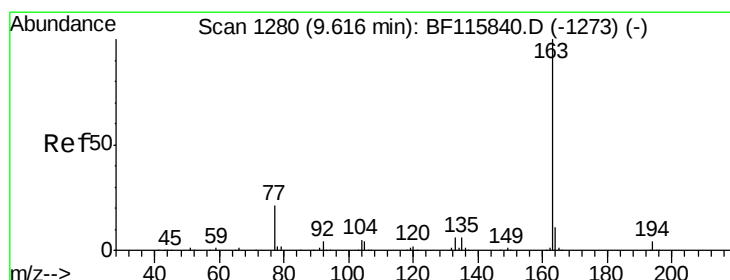
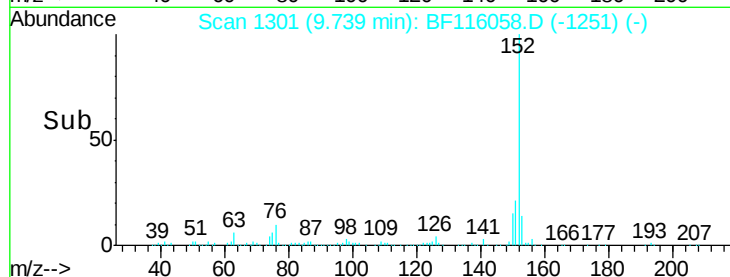
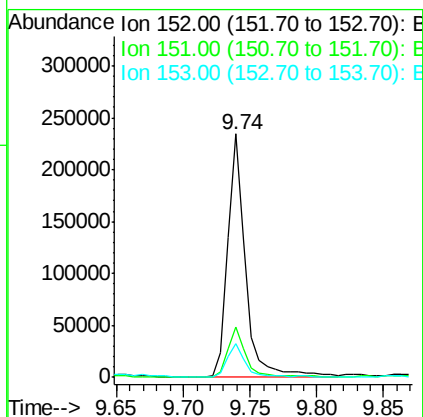
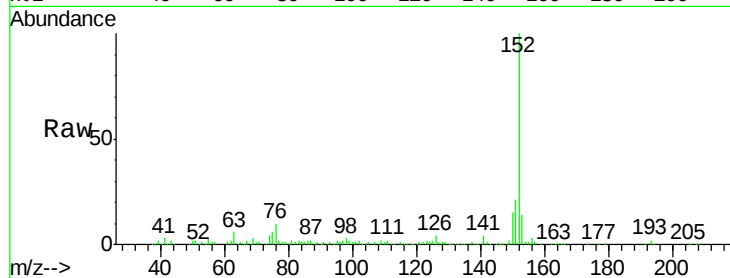
ClientSampleId :

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Tot Ion:	152	Resp:	219712
Ion Ratio	Lower	Upper	
152	100		
151	20.7	17.2	25.8
153	13.9	11.8	17.8

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#50

Dimethylphthalate

Concen: 5.103 ng

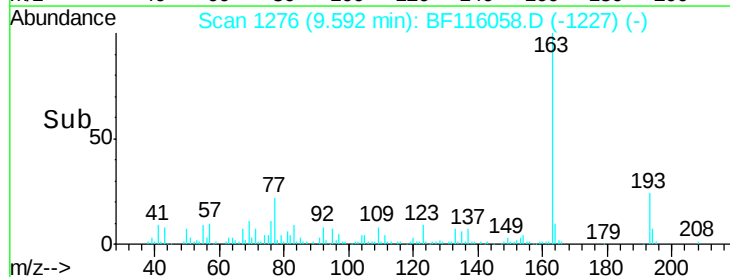
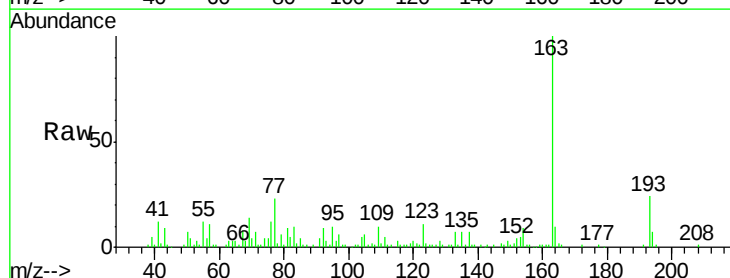
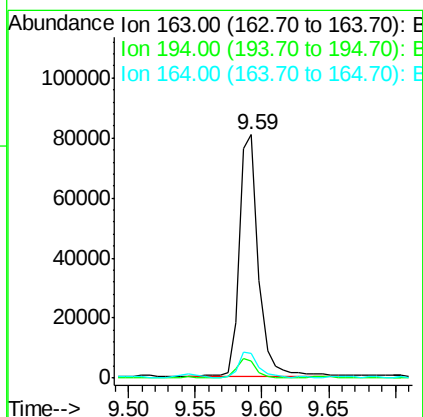
RT: 9.59 min Scan# 1276

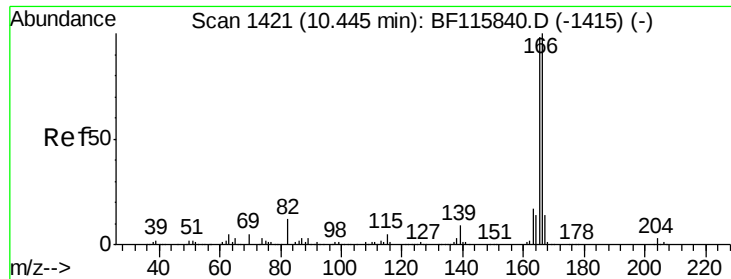
Delta R.T. -0.01 min

Lab File: BF116058.D

Acq: 7 Aug 2019 20:41

Tgt Ion:	163	Resp:	80936
Ion Ratio	Lower	Upper	
163	100		
194	7.2	3.0	4.6#
164	10.0	8.4	12.6





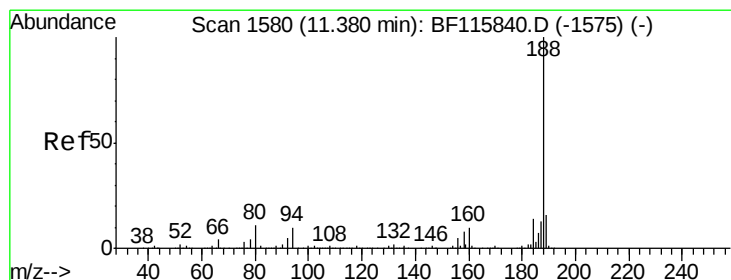
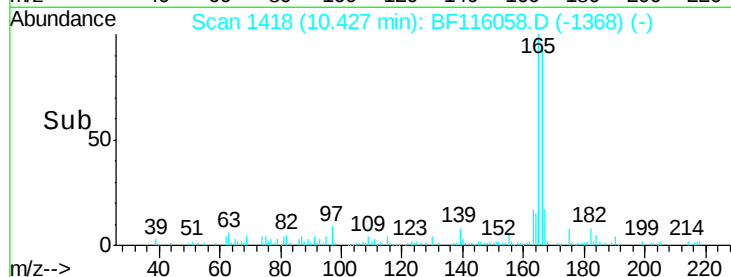
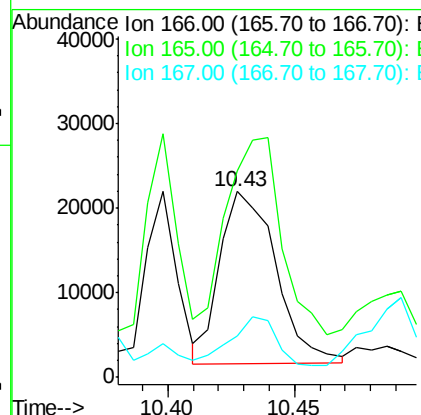
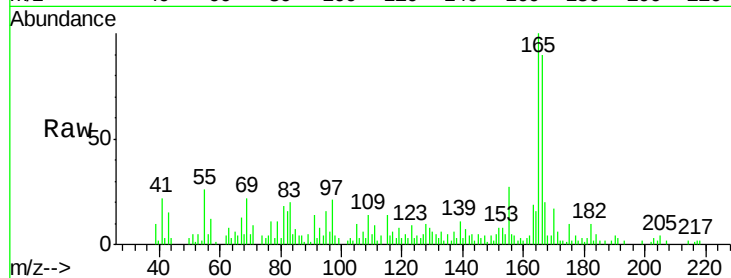
#58
 Fluorene
 Concen: 2.301 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: BF116058.D
 Acq: 7 Aug 2019 20:41

Instrument :
 BNA_F
 ClientSampleId :
 370-371

Tot Ion	Ratio	Lower	Upper
166	100		
165	111.1	78.4	117.6
167	22.0	11.0	16.4

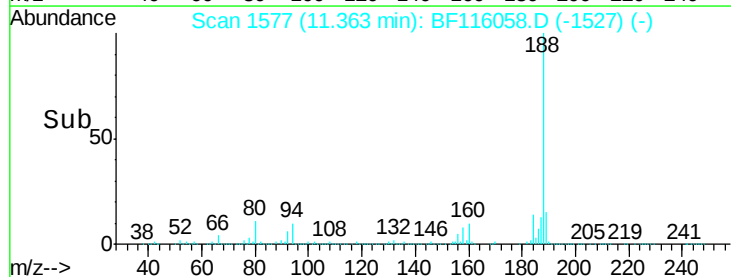
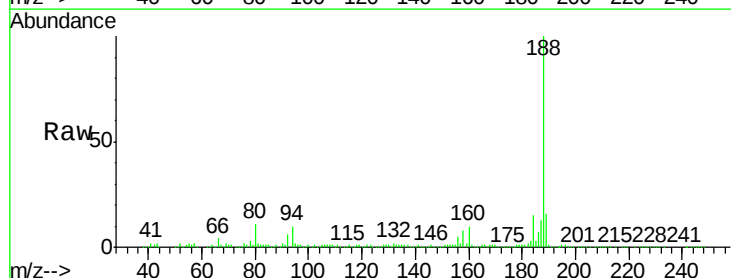
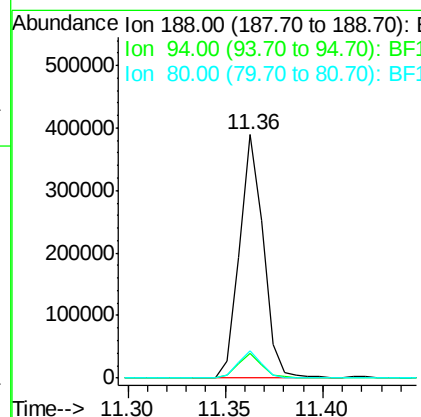
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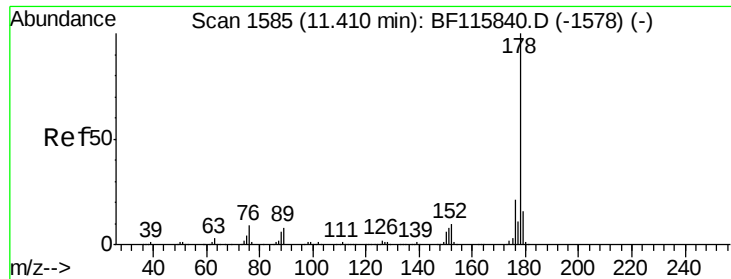
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF116058.D
 Acq: 7 Aug 2019 20:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.1	12.1
80	11.1	8.7	13.1





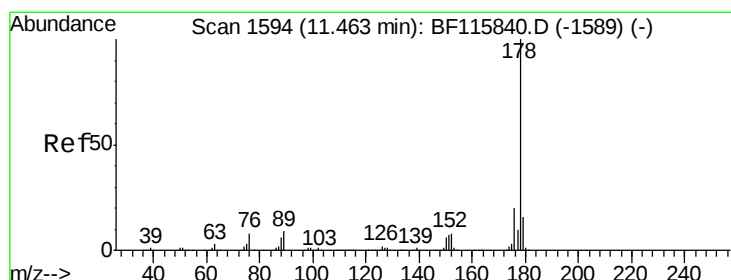
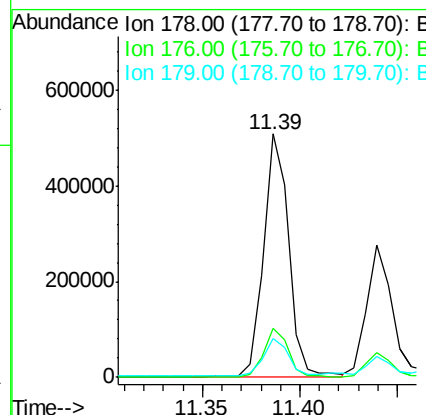
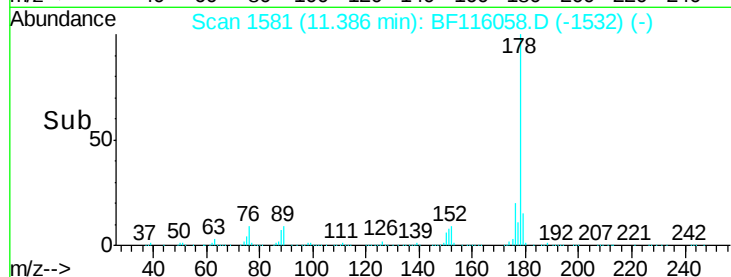
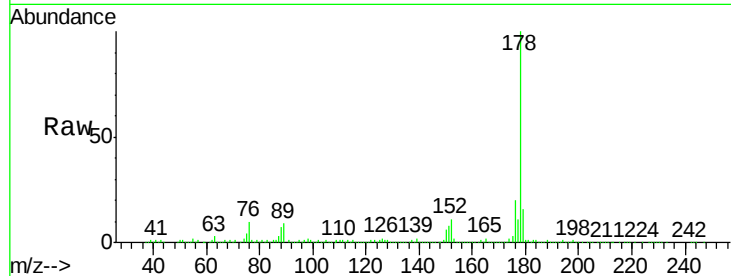
#71
Phenanthrene
Concen: 26.603 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116058.D
Acq: 7 Aug 2019 20:41

Instrument :
BNA_F
ClientSampleId :
370-371

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.6	24.8
179	15.9	12.5	18.7

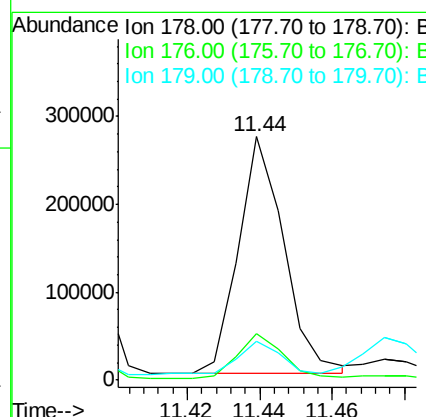
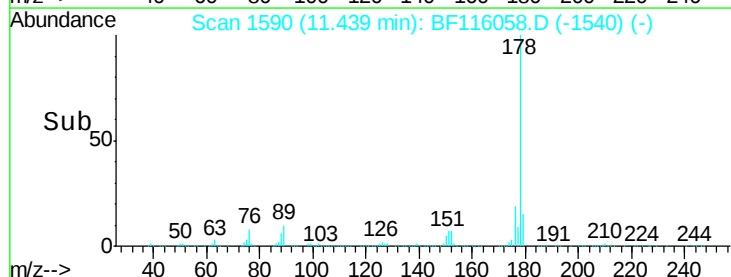
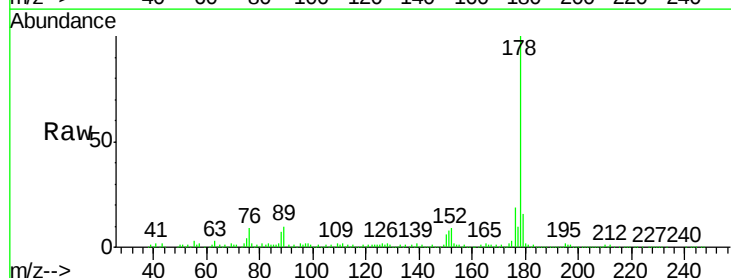
Manual Integrations
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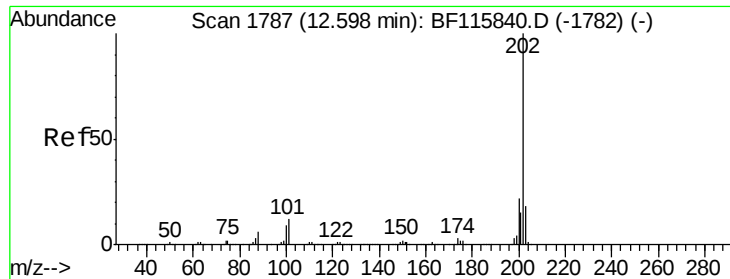
mohammad
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#72
Anthracene
Concen: 13.912 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF116058.D
Acq: 7 Aug 2019 20:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.7	23.5
179	16.1	13.0	19.6





#75

Fluoranthene

Concen: 42.550 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF116058.D

Acq: 7 Aug 2019 20:41

Instrument :

BNA_F

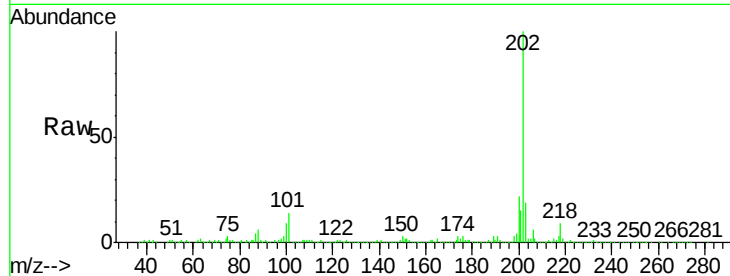
ClientSampleId :

370-371

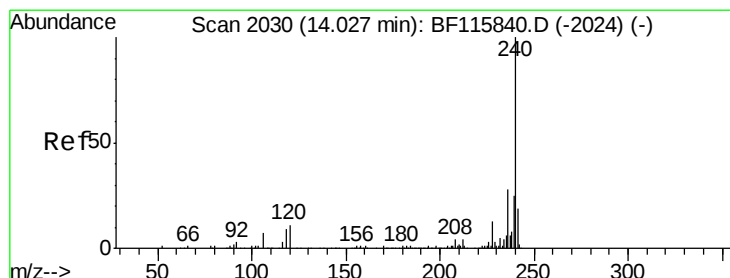
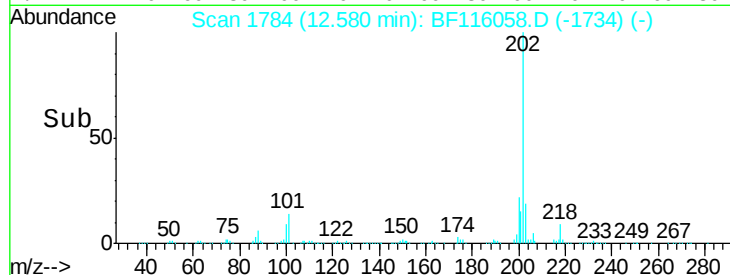
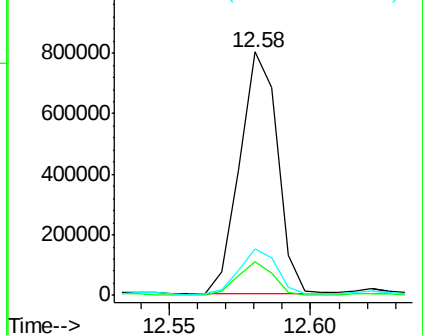
Tot Ion:	202	Resp:	749856
Ion Ratio		Lower	Upper
202	100		
101	13.7	0.0	31.2
203	19.0	0.0	37.8

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

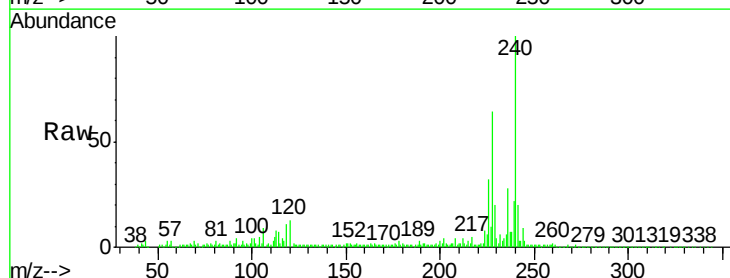
RT: 14.01 min Scan# 2027

Delta R.T. -0.00 min

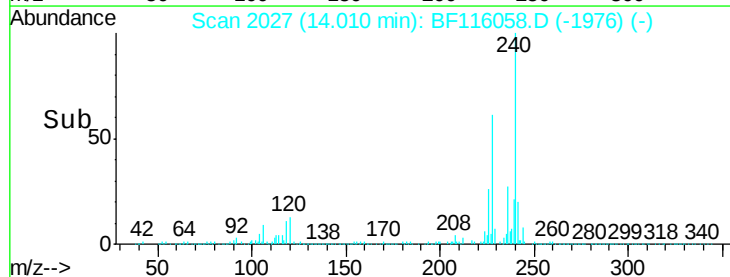
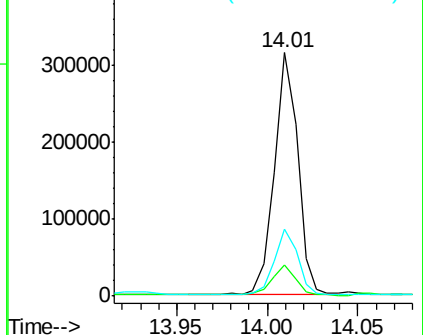
Lab File: BF116058.D

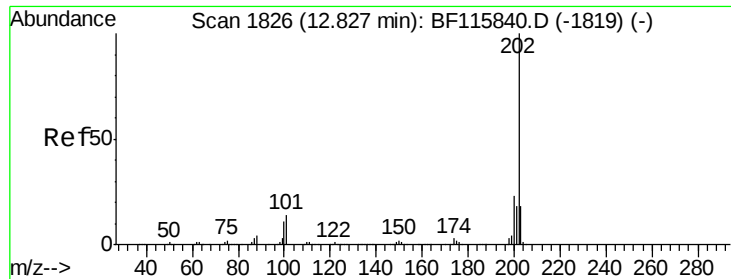
Acq: 7 Aug 2019 20:41

Tgt Ion:	240	Resp:	283587
Ion Ratio		Lower	Upper
240	100		
120	12.9	10.7	16.1
236	27.7	22.2	33.2



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





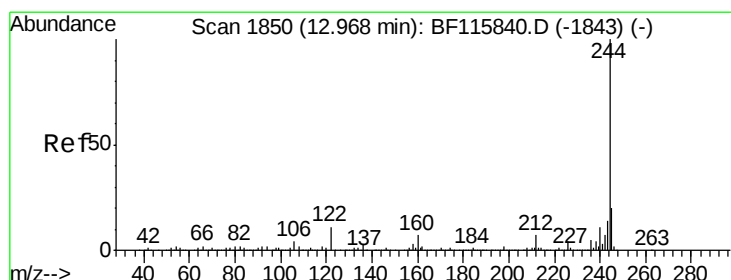
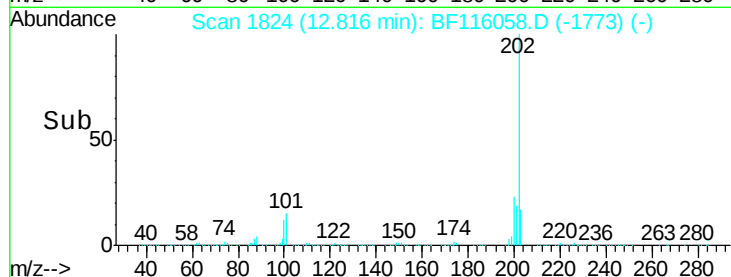
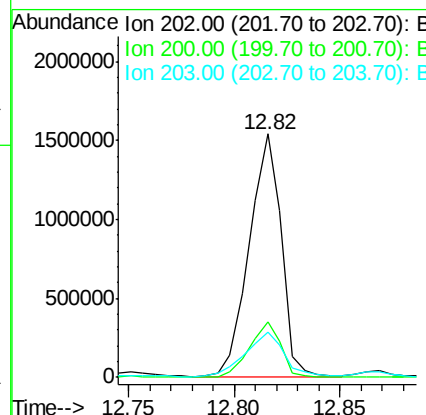
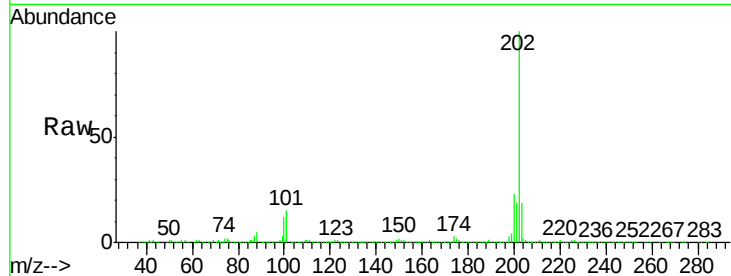
#78
Pvrene
Concen: 75.435 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BF116058.D
Acq: 7 Aug 2019 20:41

Instrument :
BNA_F
ClientSampleId :
370-371

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.9	18.0	27.0
203	18.7	14.1	21.1

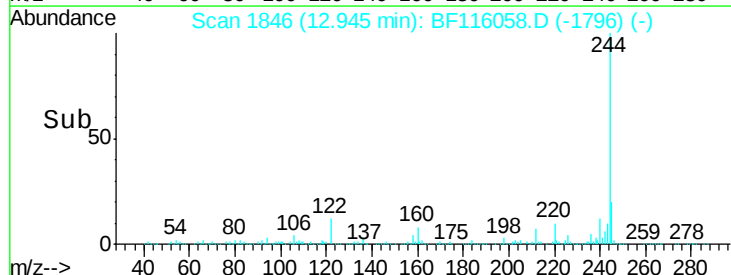
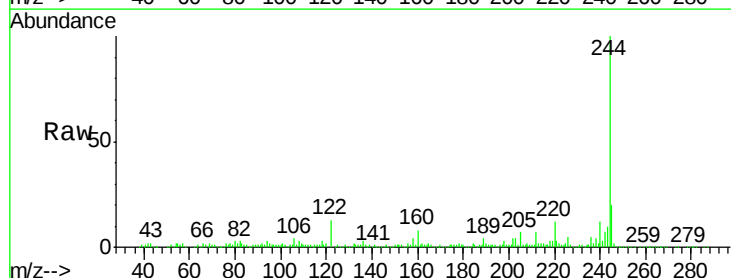
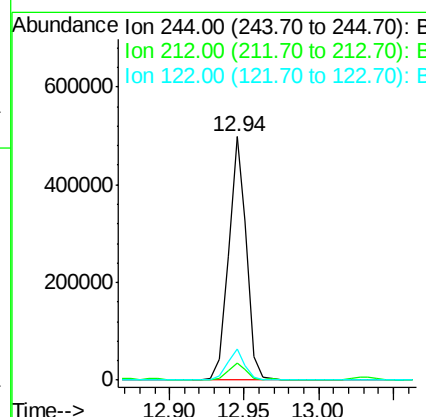
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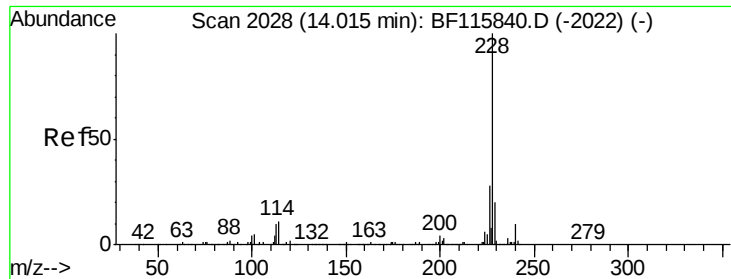
mohammad
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#79
Terphenyl-d14
Concen: 30.929 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116058.D
Acq: 7 Aug 2019 20:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	12.5	9.0	13.4





#81

Benzo(a)anthracene

Concen: 36.602 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BF116058.D

Acq: 7 Aug 2019 20:41

Instrument :

BNA_F

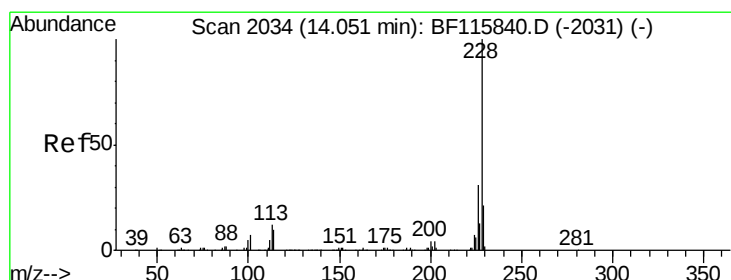
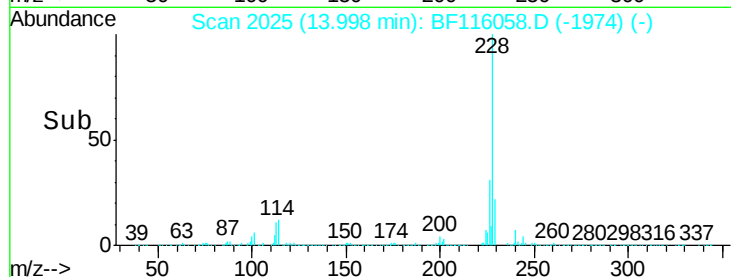
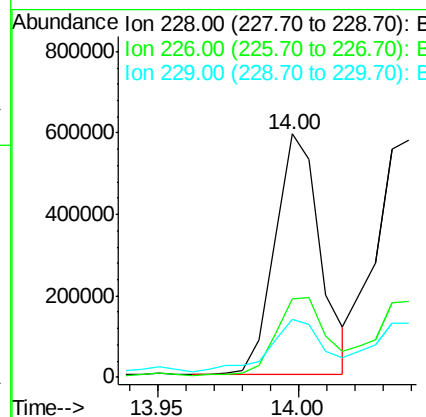
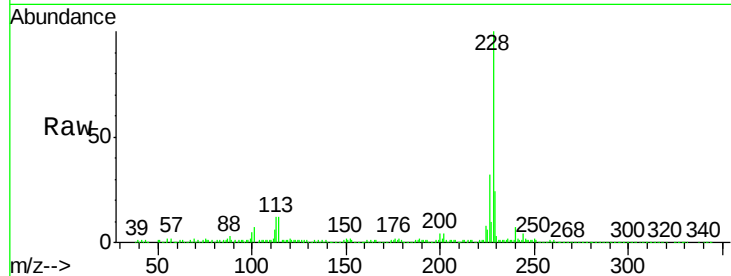
ClientSampleId :

370-371

Tot Ion:	228	Resp:	663439
Ion Ratio	Lower	Upper	
228	100		
226	32.4	22.7	34.1
229	23.9	16.2	24.4

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#83

Chrysene

Concen: 35.978 ng

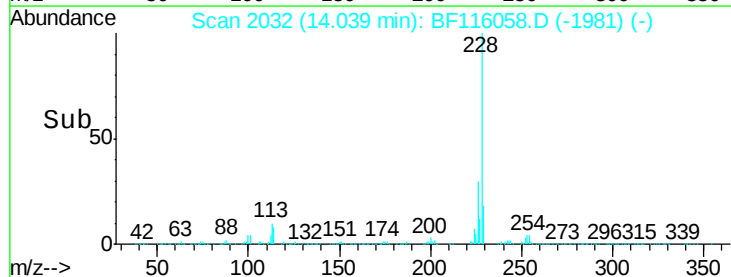
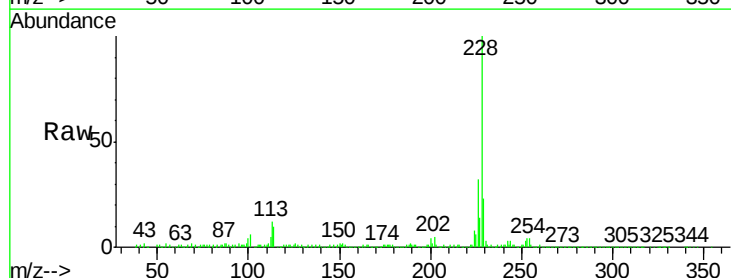
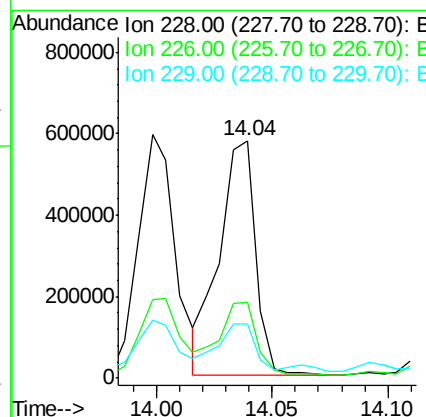
RT: 14.04 min Scan# 2032

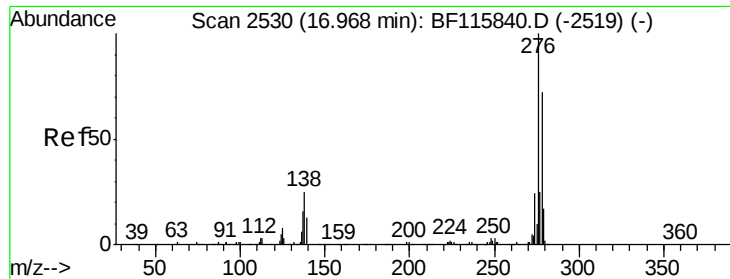
Delta R.T. -0.00 min

Lab File: BF116058.D

Acq: 7 Aug 2019 20:41

Tgt Ion:	228	Resp:	633113
Ion Ratio	Lower	Upper	
228	100		
226	32.2	25.5	38.3
229	22.6	16.6	24.8





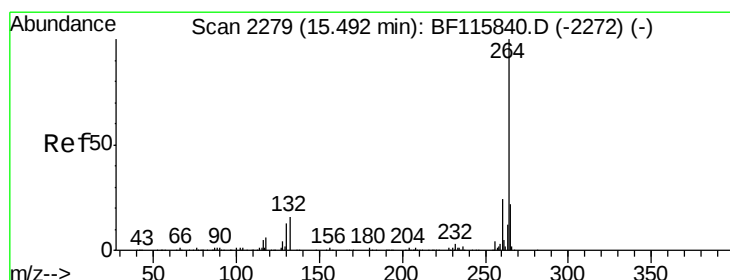
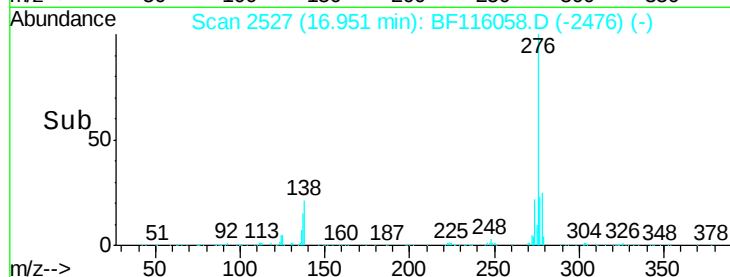
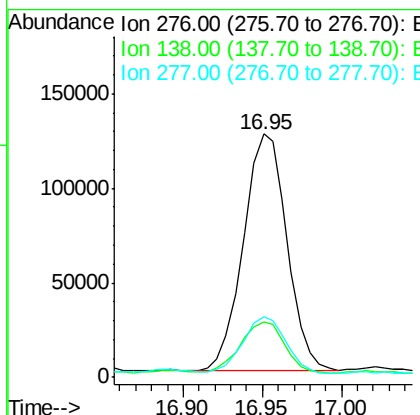
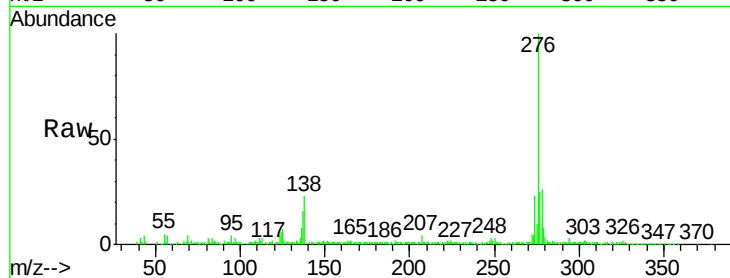
#86
Indeno(1,2,3-cd)pyrene
Concen: 16.164 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.00 min
Lab File: BF116058.D
Acq: 7 Aug 2019 20:41

Instrument :
BNA_F
ClientSampleId :
370-371

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.2	20.4	30.6
277	23.9	20.0	30.0

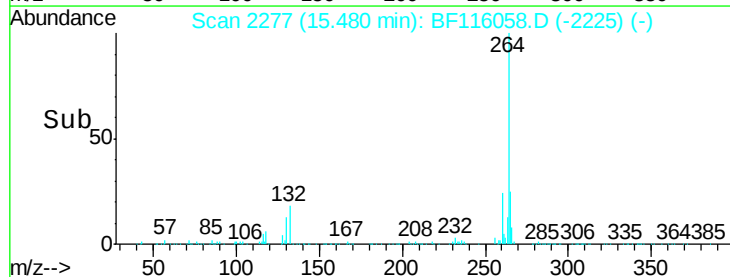
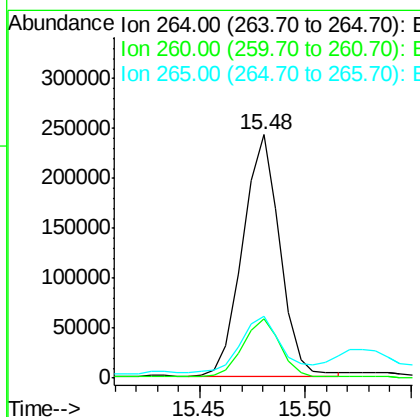
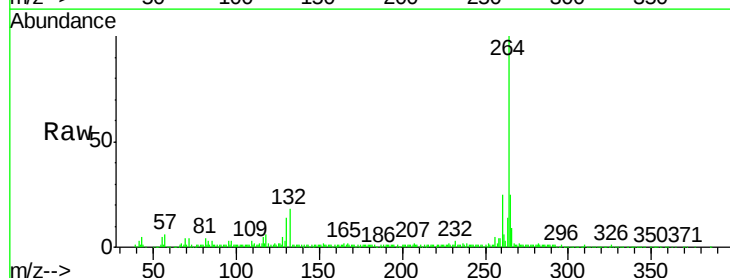
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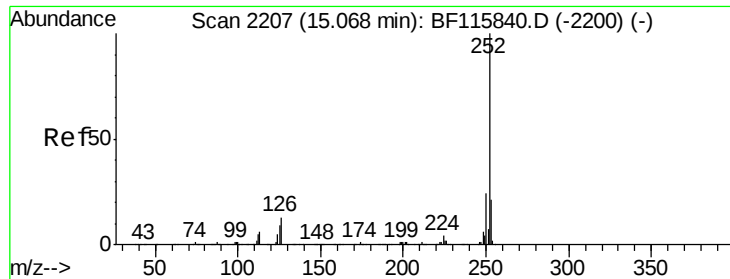
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF116058.D
Acq: 7 Aug 2019 20:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.7	29.5
265	25.4	17.4	26.0





#88

Benzo(b)fluoranthene

Concen: 30.415 ng m

RT: 15.06 min Scan# 2205

Delta R.T. 0.01 min

Lab File: BF116058.D

Acq: 7 Aug 2019 20:41

Instrument :

BNA_F

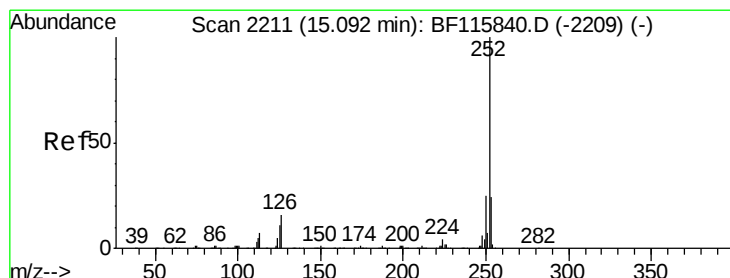
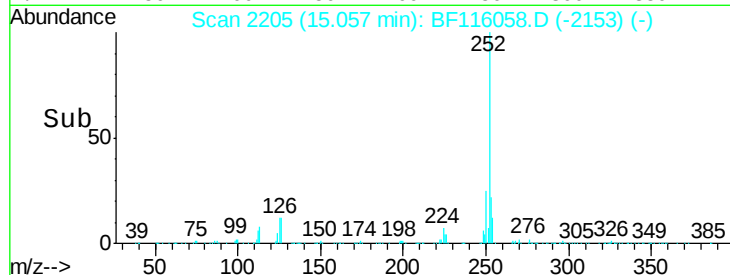
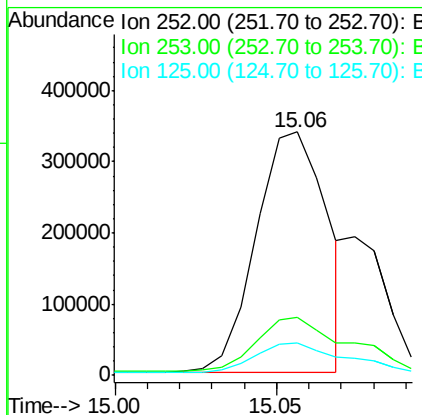
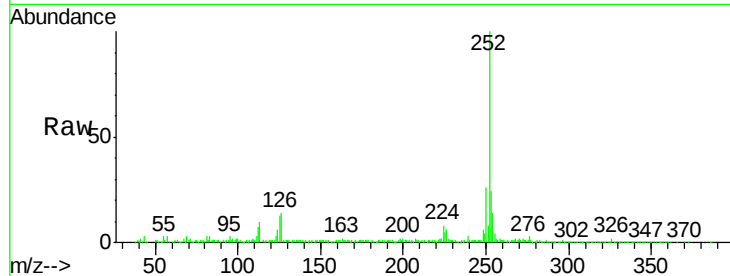
ClientSampleId :

370-371

Tot Ion:	252	Resp:	520756
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.8	26.8
125	13.3	8.4	12.6#

Manual Integrations
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#89

Benzo(k)fluoranthene

Concen: 10.401 ng m

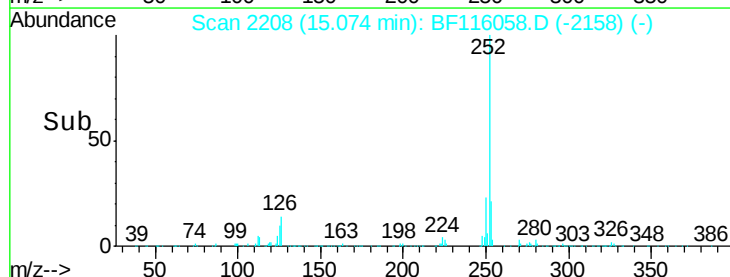
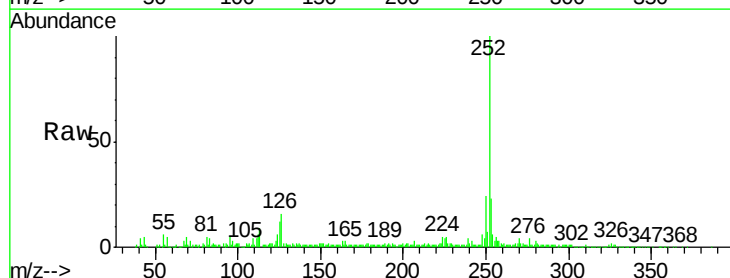
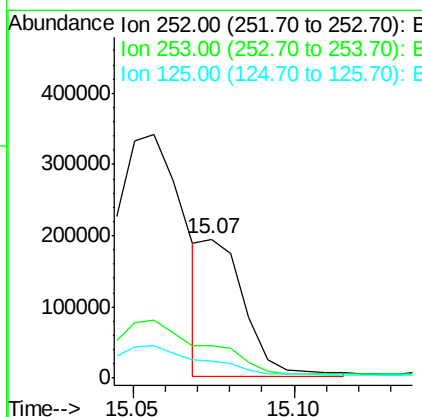
RT: 15.07 min Scan# 2208

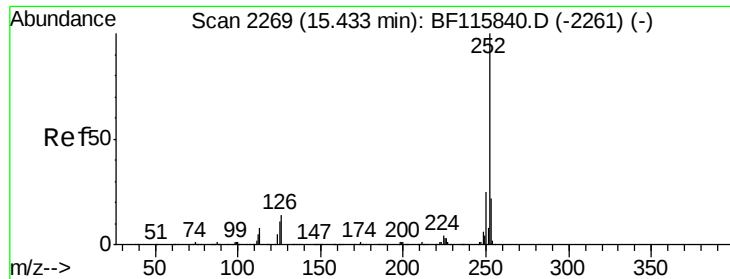
Delta R.T. -0.01 min

Lab File: BF116058.D

Acq: 7 Aug 2019 20:41

Tgt Ion:	252	Resp:	173452
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.8	26.8
125	12.5	7.7	11.5#





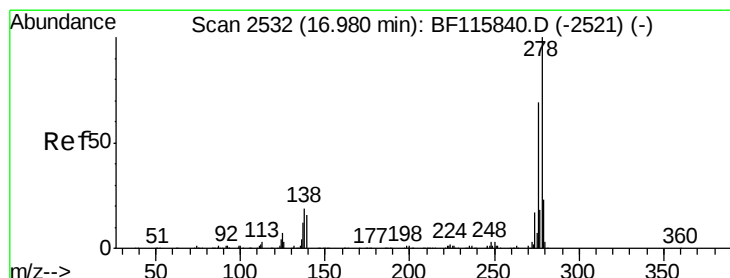
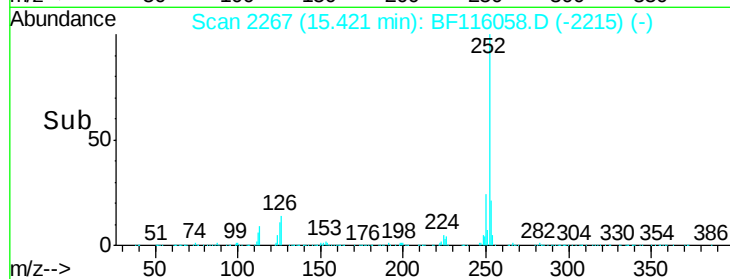
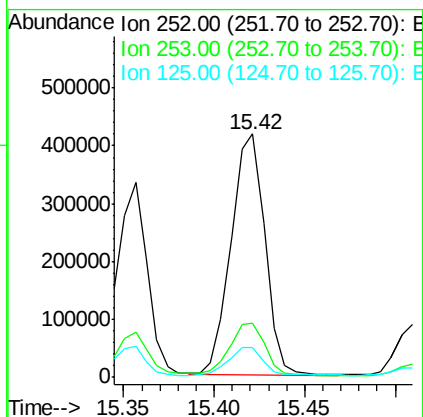
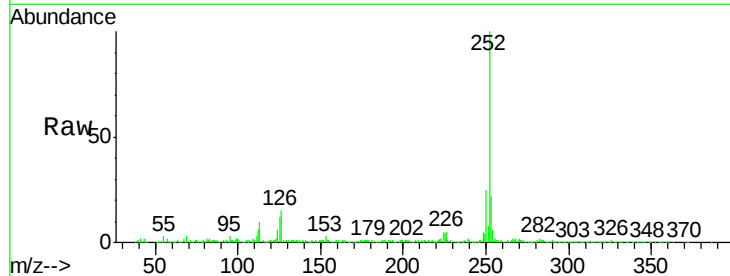
#90
Benzo(a)pyrene
Concen: 35.488 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.01 min
Lab File: BF116058.D
Acq: 7 Aug 2019 20:41

Instrument :
BNA_F
ClientSampled :
370-371

Tot Ion	Ratio	Resp	Lower	Upper
252	100	543150		
253	22.3		18.0	27.0
125	12.2		8.9	13.3

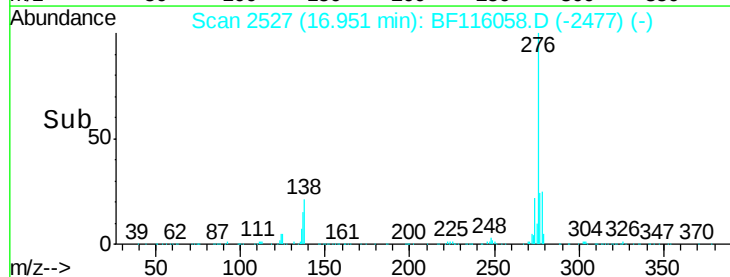
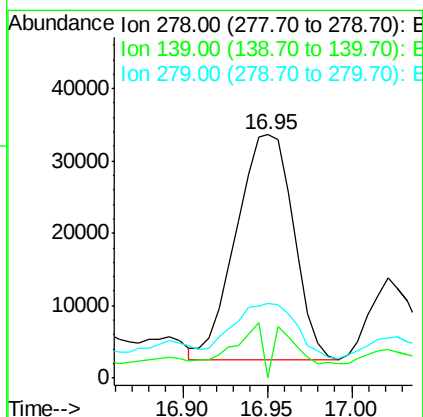
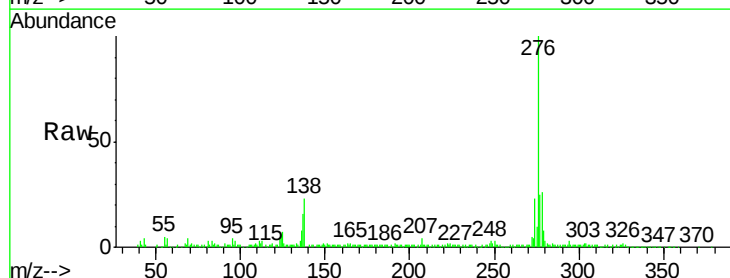
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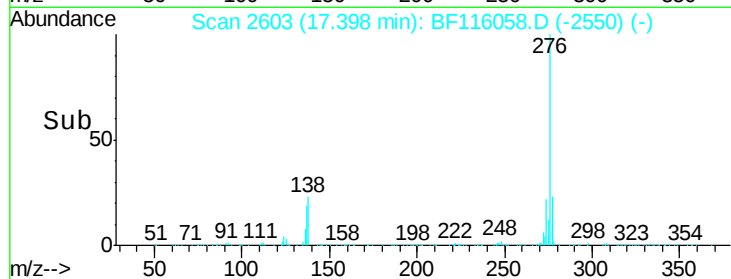
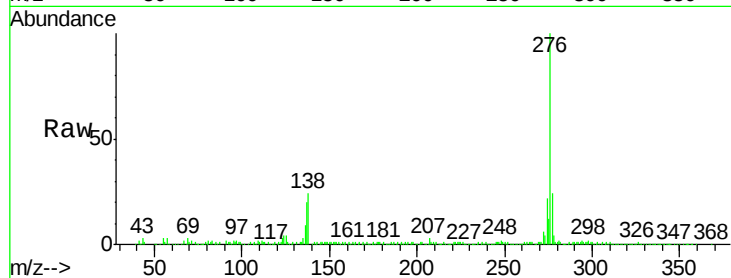
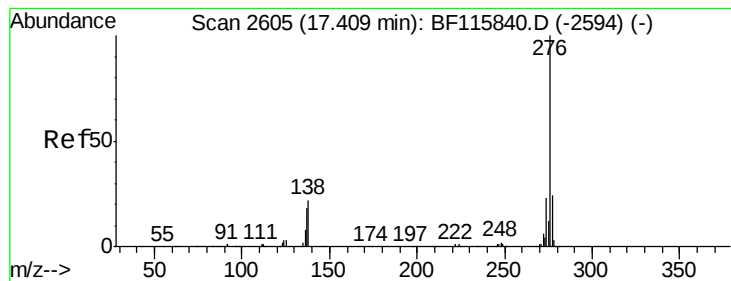
mohammad
8/8/2019 4:47:04 PM



#91
Dibenzo(a,h)anthracene
Concen: 5.543 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.01 min
Lab File: BF116058.D
Acq: 7 Aug 2019 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	73434		
139	0.0		12.8	19.2#
279	30.7		18.8	28.2#





#92

Benzo(a,h,i)perylene

Concen: 29.105 ng

RT: 17.40 min Scan# 2603

Delta R.T. 0.01 min

Lab File: BF116058.D

Acq: 7 Aug 2019 20:41

Instrument :

BNA_F

ClientSampleId :

370-371

Tot Ion:	276	Resp:	378687
Ion Ratio	Lower	Upper	
276	100		
277	24.1	18.4	27.6
138	23.5	17.0	25.6

Manual Integrations
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