

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
 Data File : BF115872.D
 Acq On : 31 Jul 2019 18:06
 Operator : HP/JU
 Sample : K4049-07
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-7

Manual Integrations
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 8/1/2019 5:06:43 PM

Quant Time: Aug 01 06:38:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	133185	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	479349	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	246992	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	383211	20.00	ng	0.00
76) Chrysene-d12	14.02	240	266901	20.00	ng	0.00
87) Perylene-d12	15.49	264	368625	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	834459	104.89	ng	0.00
7) Phenol-d6	6.48	99	1085287	108.12	ng	0.00
23) Nitrobenzene-d5	7.41	82	666242	80.23	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	240875	100.59	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1039534	78.83	ng	0.00
79) Terphenyl-d14	12.96	244	816643	64.47	ng	0.00

Target Compounds				Qvalue		
49) Acenaphthylene	9.75	152	67889	3.206	ng	98
50) Dimethylphthalate	9.60	163	258422	15.366	ng	98
58) Fluorene	10.44	166	39162	2.695	ng	99
71) Phenanthrene	11.40	178	778004	39.713	ng	99
72) Anthracene	11.45	178	141749	7.149	ng	98
73) Carbazole	11.60	167	72542	4.033	ng	98
75) Fluoranthene	12.59	202	1104421	53.850	ng	97
78) Pyrene	12.82	202	1058903	52.631	ng	99
81) Benzo(a)anthracene	14.01	228	570323	33.432	ng	95
83) Chrysene	14.04	228	529380	31.964	ng	98
84) Bis(2-ethylhexyl)phthalate	14.00	149	44456	4.020	ng	100
86) Indeno(1,2,3-cd)pyrene	16.96	276	376012	27.031	ng	97
88) Benzo(b)fluoranthene	15.06	252	783998m	36.783	ng	
89) Benzo(k)fluoranthene	15.09	252	265578m	12.793	ng	
90) Benzo(a)pyrene	15.43	252	589592	30.944	ng	97
91) Dibenzo(a,h)anthracene	16.97	278	91681m	5.559	ng	
92) Benzo(g,h,i)perylene	17.41	276	347555	21.457	ng	98

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



#1

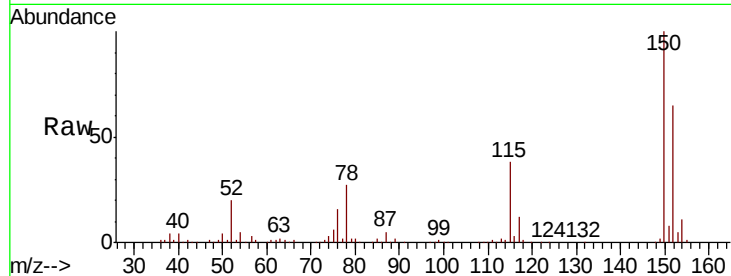
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115872.D
Acq: 31 Jul 2019 18:06

Instrument :
BNA_F
ClientSampleId :
SP-7

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	127.4	191.0
115	58.9	51.8	77.8

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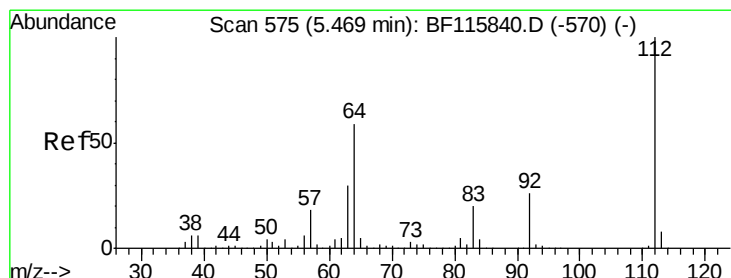
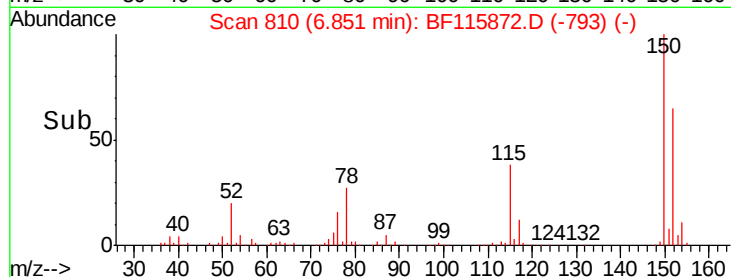
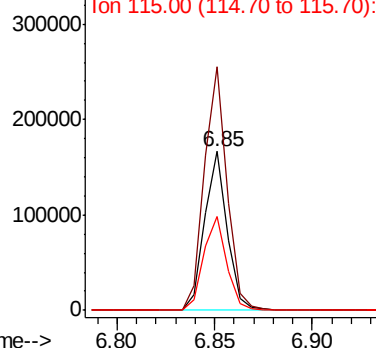


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

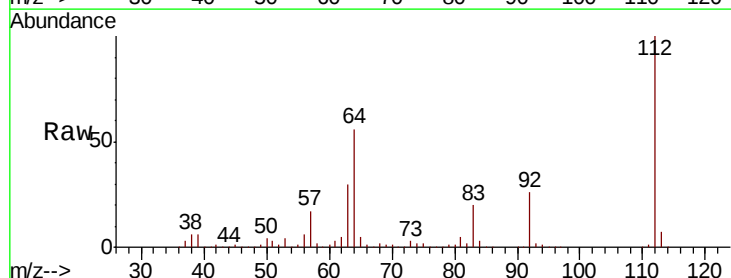
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 104.887 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF115872.D
Acq: 31 Jul 2019 18:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	46.8	70.2
63	29.5	24.2	36.2

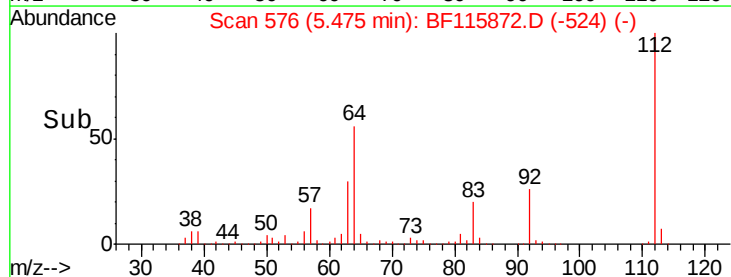
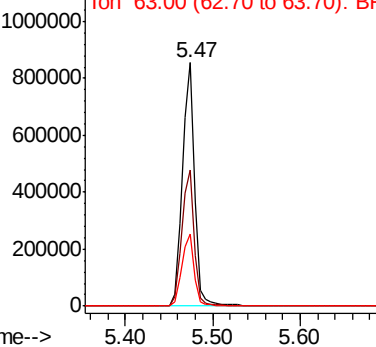


Abundance

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: 108.122 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115872.D

Acq: 31 Jul 2019 18:06

Instrument :

BNA_F

ClientSampled :

SP-7

Tot Ion: 99 Resp: 1085287

Ion Ratio Lower Upper

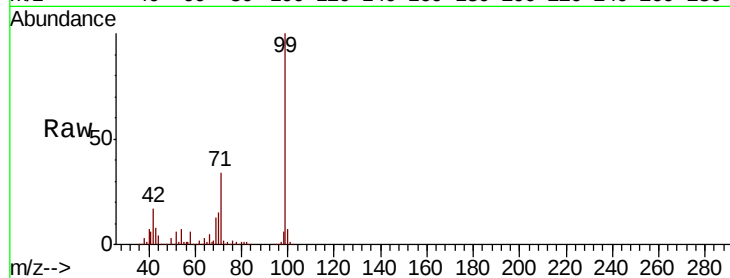
99 100

42 17.5 13.8 20.6

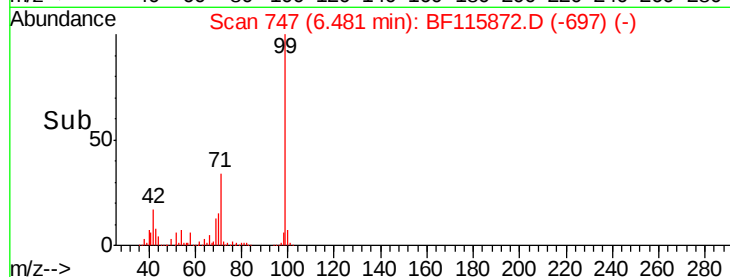
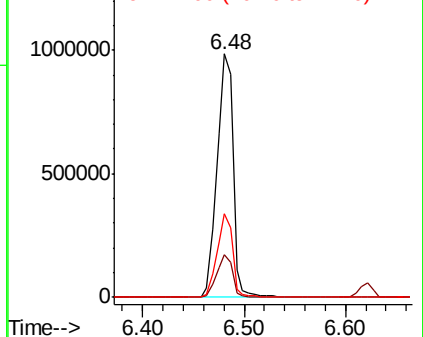
71 34.3 27.1 40.7

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF115872.D

Acq: 31 Jul 2019 18:06

Tgt Ion: 136 Resp: 479349

Ion Ratio Lower Upper

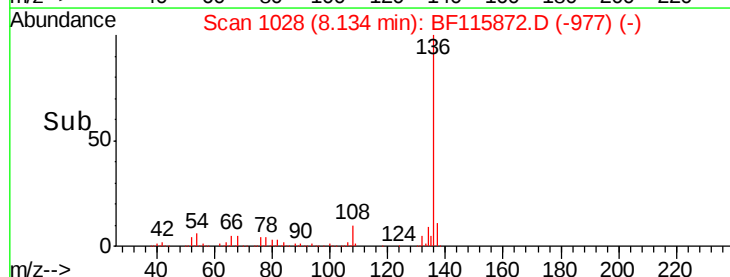
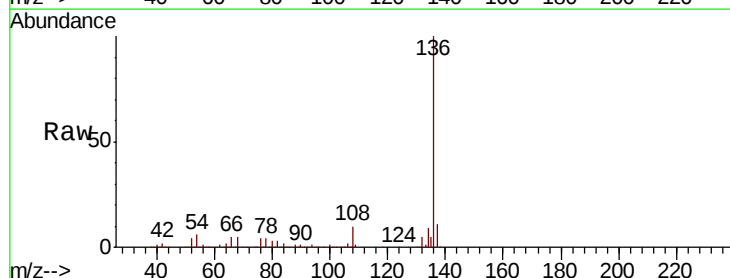
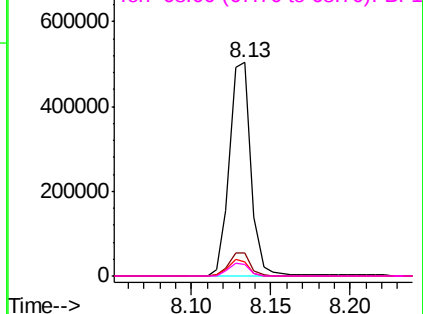
136 100

137 10.8 9.1 13.7

54 6.4 6.1 9.1

68 5.4 5.4 8.2

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





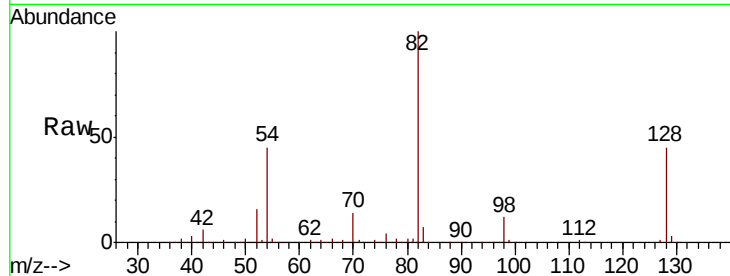
#23
 Nitrobenzene-d5
 Concen: 80.229 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF115872.D
 Acq: 31 Jul 2019 18:06

Instrument :
 BNA_F
 ClientSampled :
 SP-7

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.6	55.0
54	45.3	36.6	55.0

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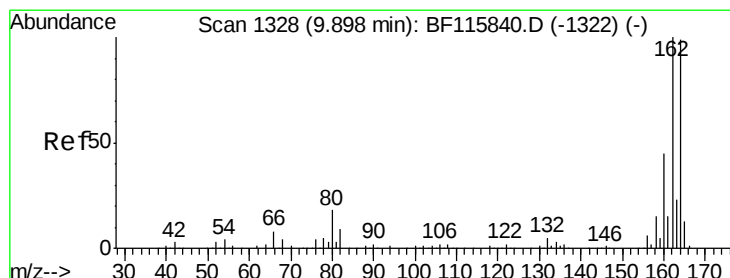
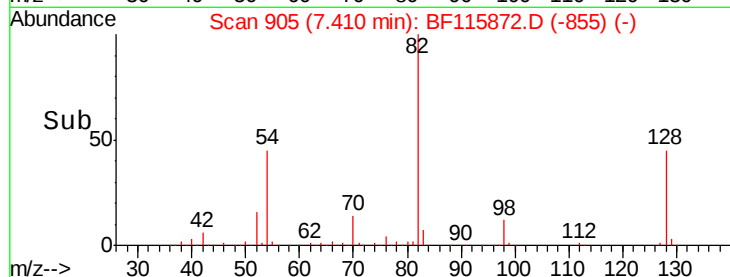
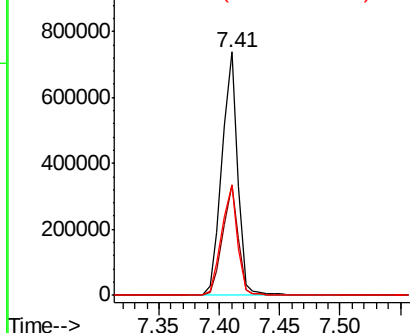


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF115872.D
 Acq: 31 Jul 2019 18:06

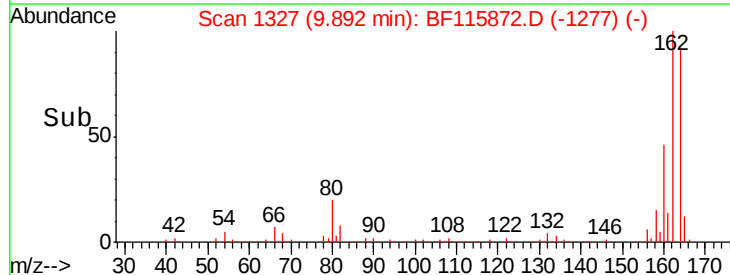
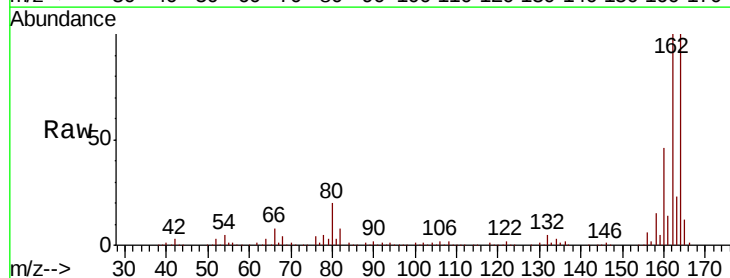
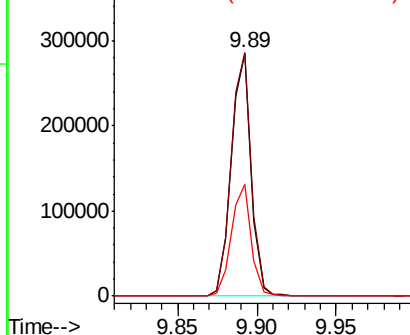
Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.8	121.2
160	45.9	36.2	54.4

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





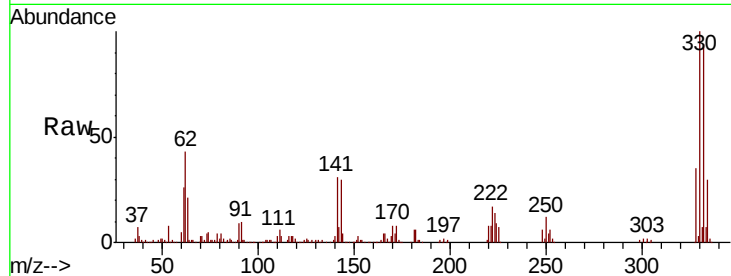
#42
 2,4,6-Tribromophenol
 Concen: 100.589 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF115872.D
 Acq: 31 Jul 2019 18:06

Instrument :
 BNA_F
 ClientSampled :
 SP-7

Tot Ion	Ratio	Resp	Lower	Upper
330	100	240875		
332	95.4		77.7	116.5
141	36.4		28.1	42.1

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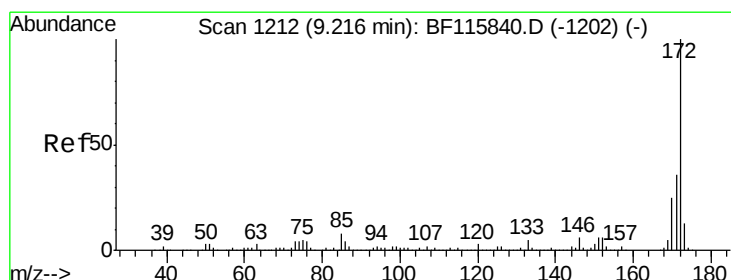
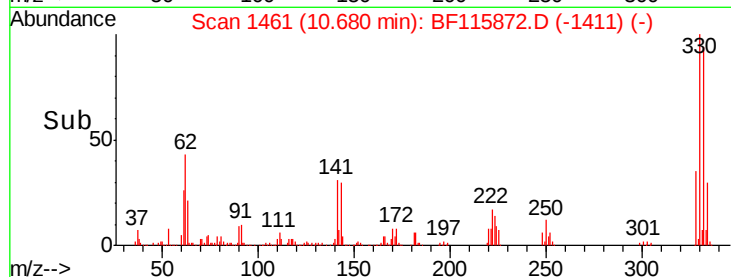
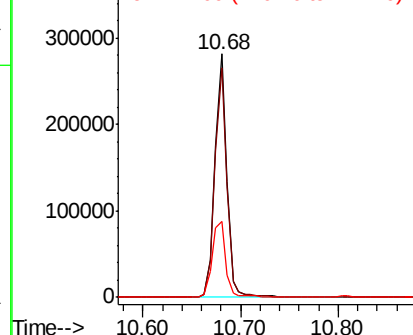


Abundance

Ion 329.80 (329.50 to 330.50): E

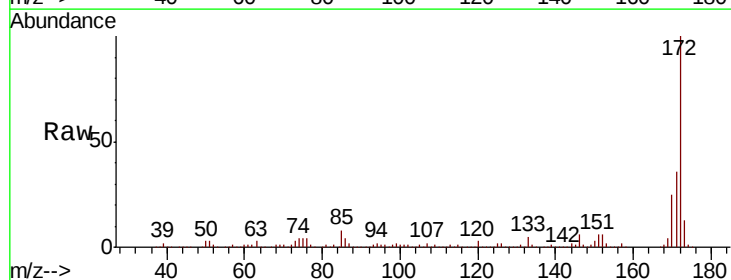
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 78.833 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF115872.D
 Acq: 31 Jul 2019 18:06

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1039534		
171	36.1		29.1	43.7
170	24.8		20.1	30.1

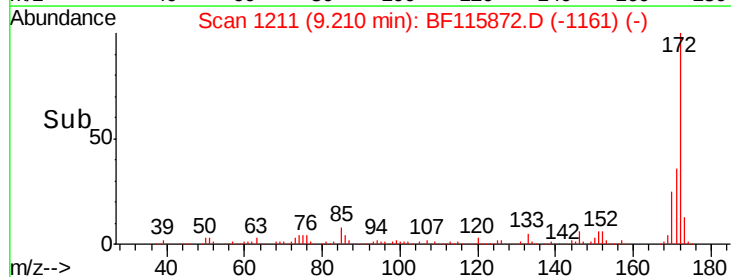
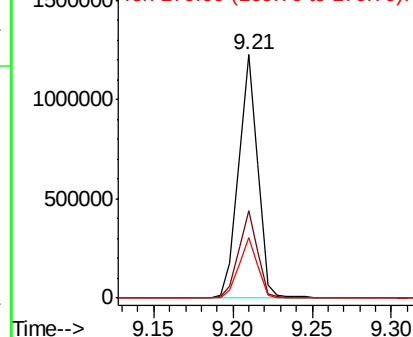


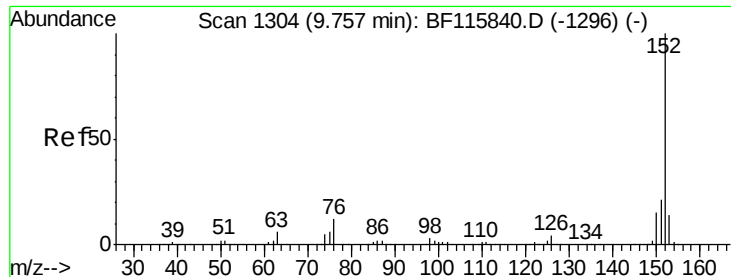
Abundance

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: 3.206 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF115872.D

Acq: 31 Jul 2019 18:06

Instrument :

BNA_F

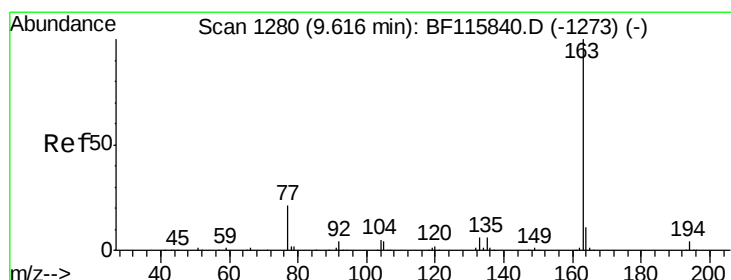
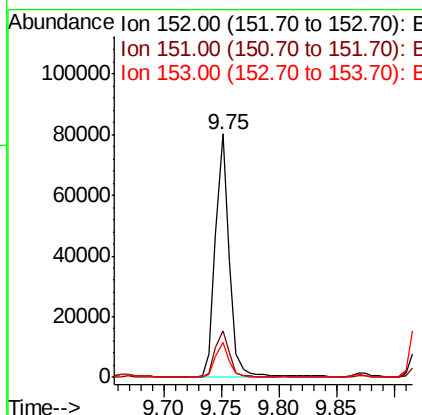
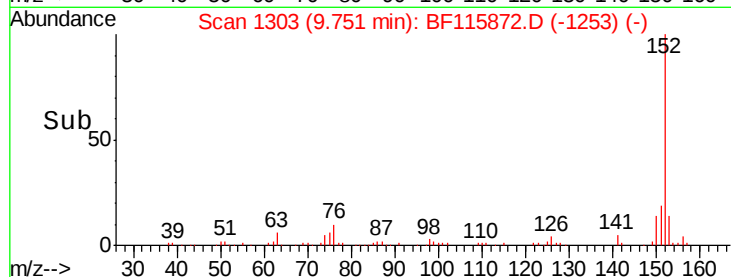
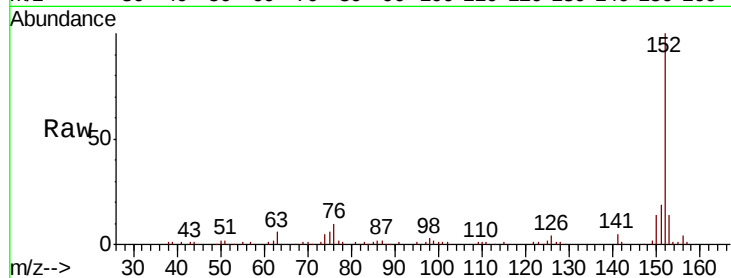
ClientSampled :

SP-7

Tot Ion:	152	Resp:	67889
Ion Ratio	Lower	Upper	
152	100		
151	19.2	16.8	25.2
153	14.4	11.6	17.4

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#50

Dimethylphthalate

Concen: 15.366 ng

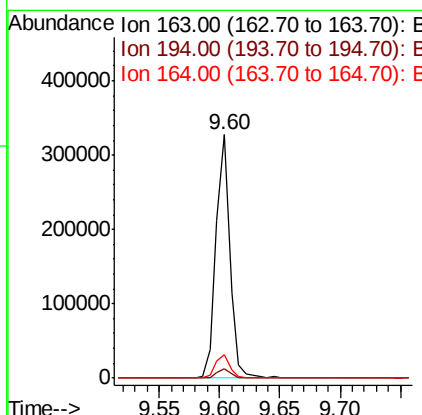
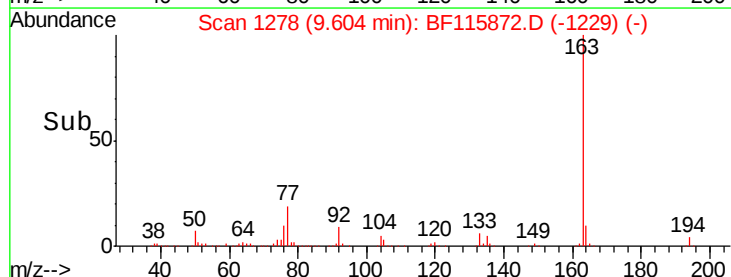
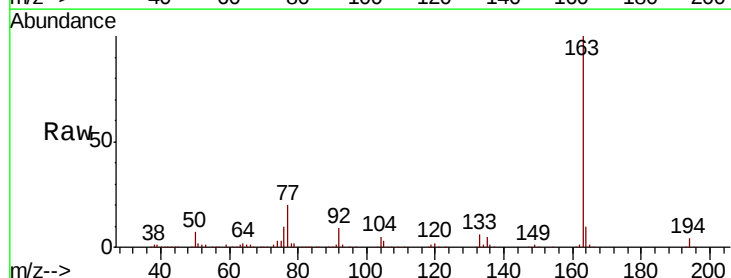
RT: 9.60 min Scan# 1278

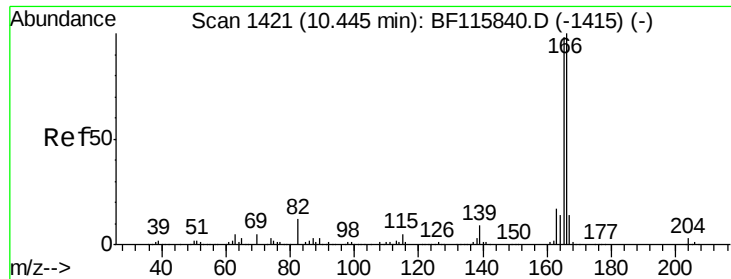
Delta R.T. -0.01 min

Lab File: BF115872.D

Acq: 31 Jul 2019 18:06

Tgt Ion:	163	Resp:	258422
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.0	4.6
164	9.7	8.4	12.6





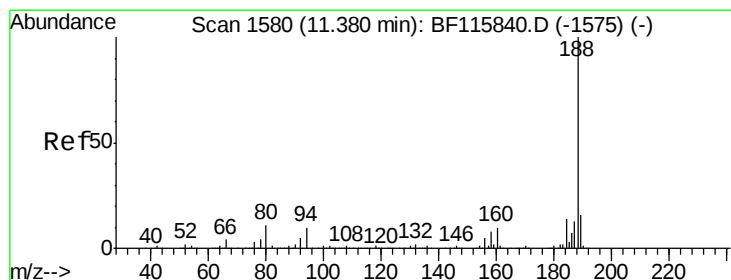
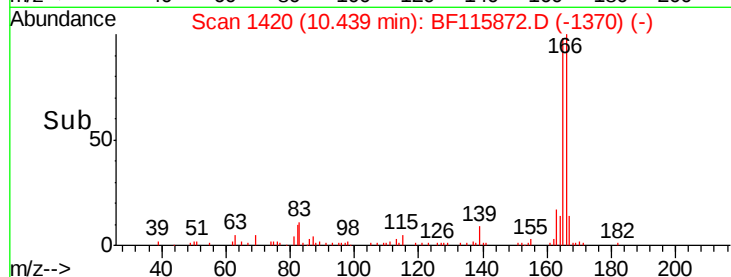
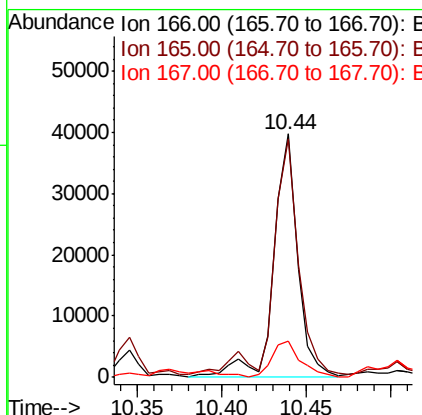
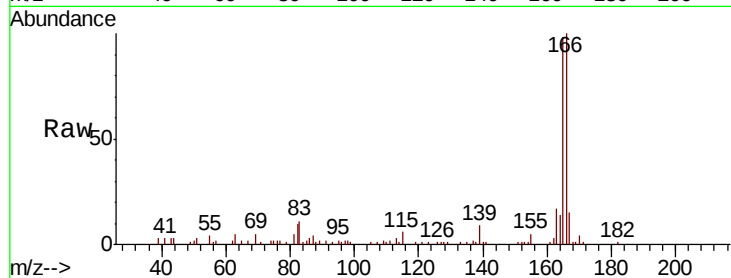
#58
 Fluorene
 Concen: 2.695 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF115872.D
 Acq: 31 Jul 2019 18:06

Instrument :
 BNA_F
 ClientSampled :
 SP-7

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.6	118.0
167	14.8	10.9	16.3

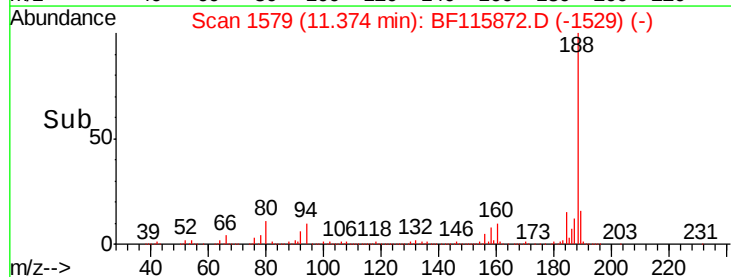
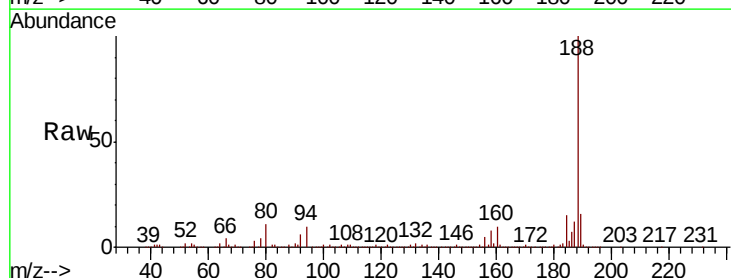
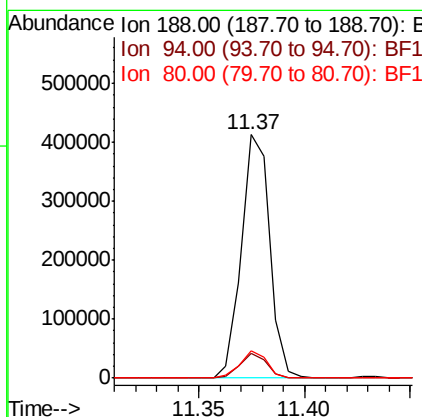
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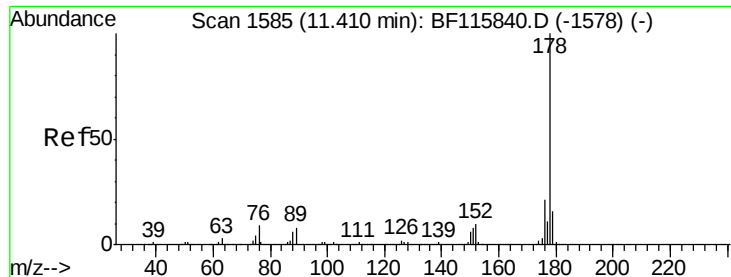
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF115872.D
 Acq: 31 Jul 2019 18:06

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.0	12.0
80	11.1	8.6	12.8





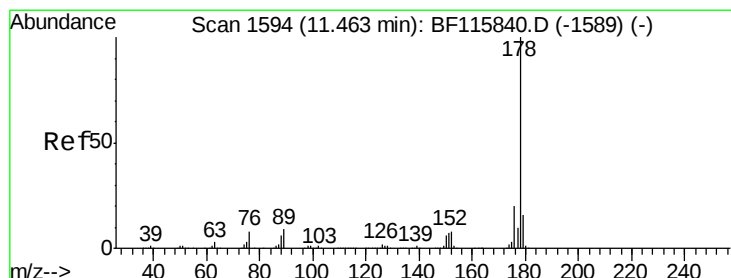
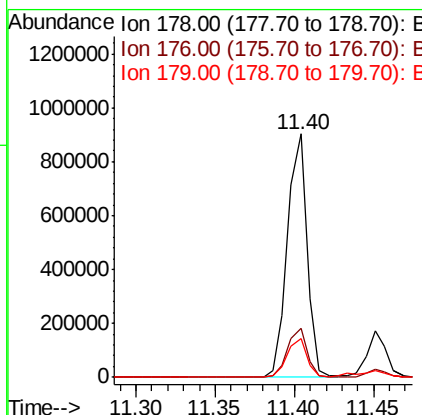
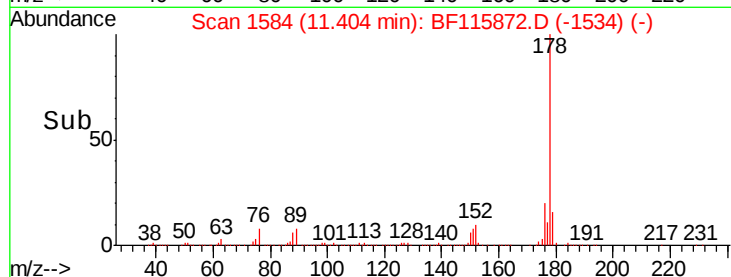
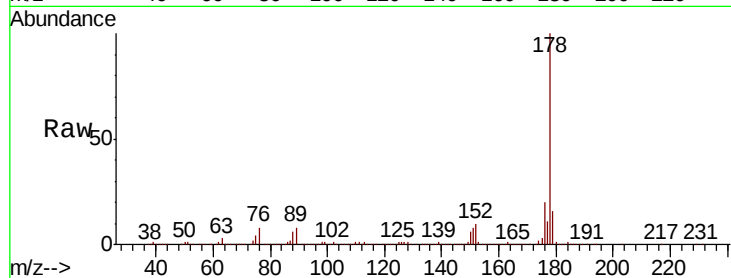
#71
Phenanthrene
Concen: 39.713 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115872.D
Acq: 31 Jul 2019 18:06

Instrument :
BNA_F
ClientSampleId :
SP-7

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	16.5	24.7
179	16.0	12.6	18.8

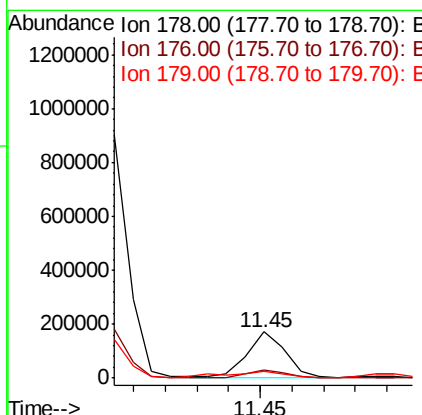
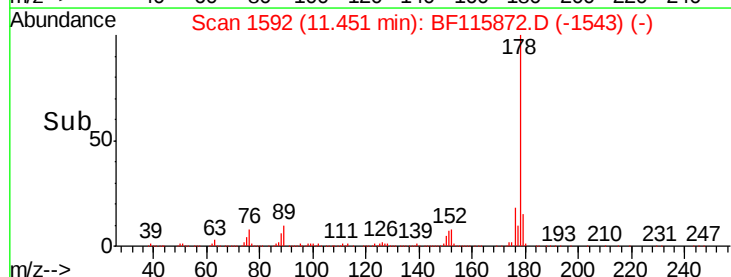
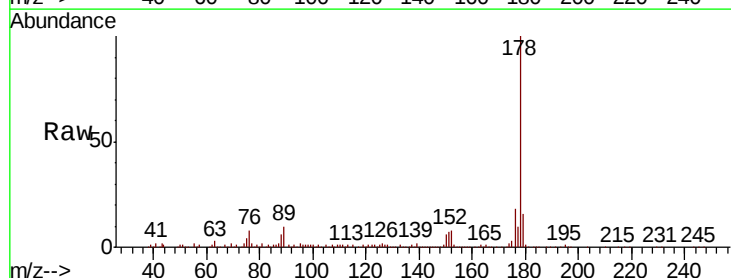
Manual Integrations
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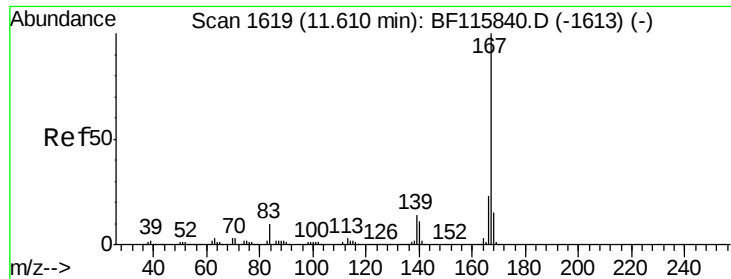
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#72
Anthracene
Concen: 7.149 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF115872.D
Acq: 31 Jul 2019 18:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.7	23.5
179	15.5	12.4	18.6





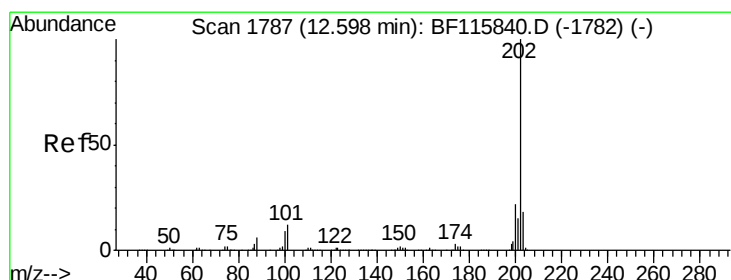
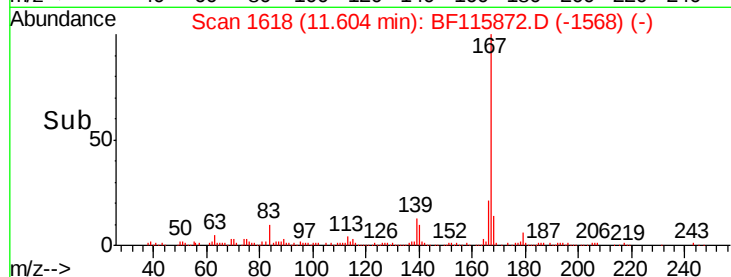
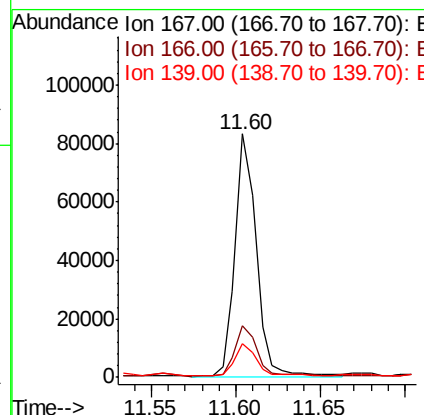
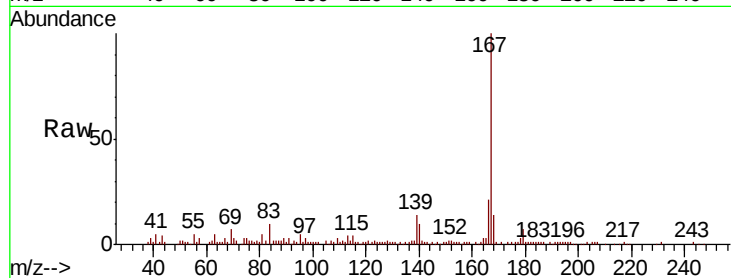
#73
 Carbazole
 Concen: 4.033 ng
 RT: 11.60 min Scan# 1618
 Delta R.T. -0.01 min
 Lab File: BF115872.D
 Acq: 31 Jul 2019 18:06

Instrument :
 BNA_F
 ClientSampleId :
 SP-7

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.4	18.0	27.0
139	13.7	11.4	17.2

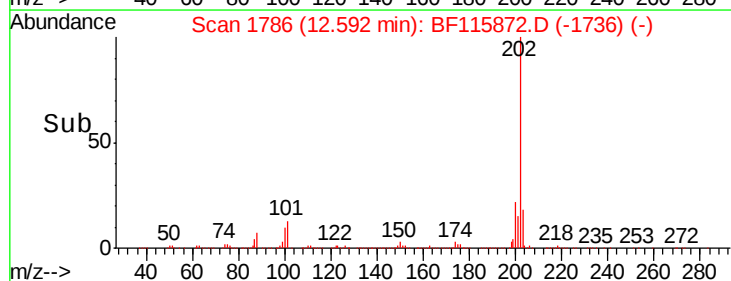
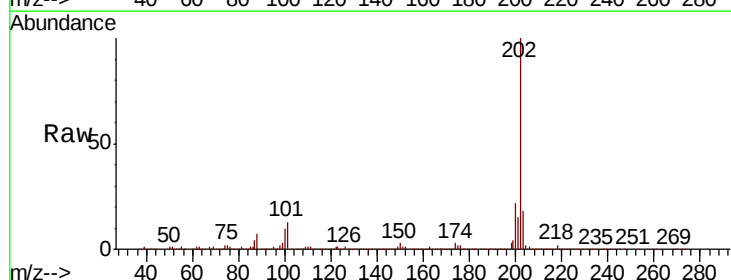
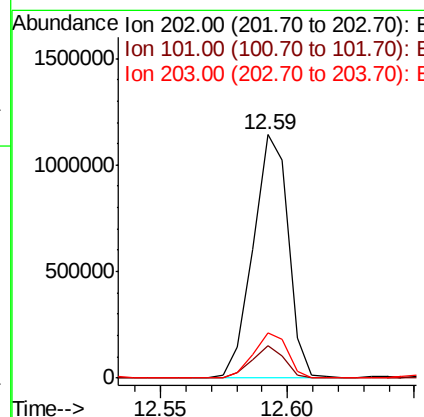
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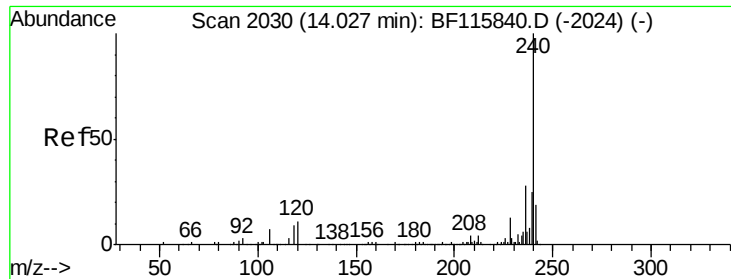
mohammad
 8/1/2019 5:06:43 PM



#75
 Fluoranthene
 Concen: 53.850 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. -0.01 min
 Lab File: BF115872.D
 Acq: 31 Jul 2019 18:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	31.5
203	18.3	0.0	37.9





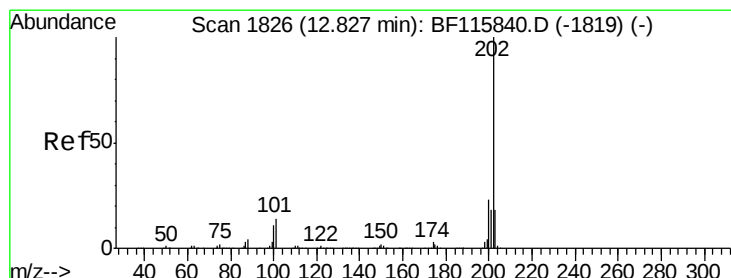
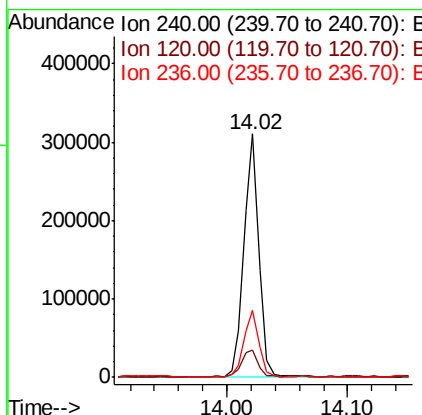
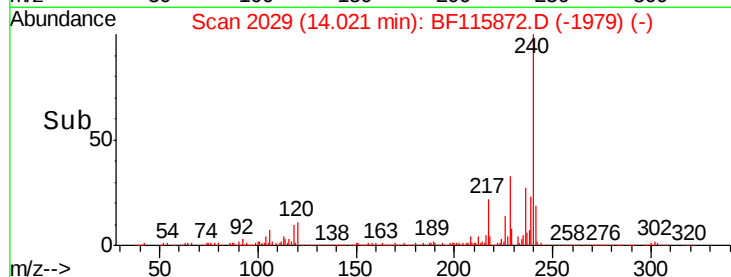
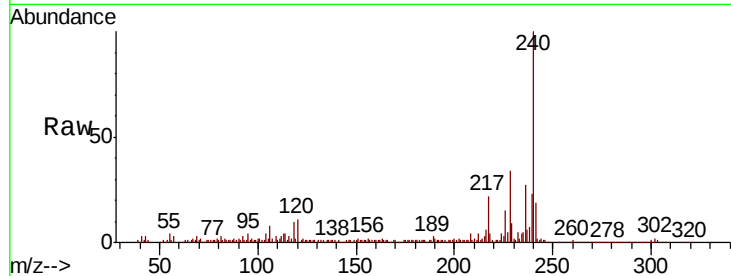
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF115872.D
Acq: 31 Jul 2019 18:06

Instrument :
BNA_F
ClientSampleId :
SP-7

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.5	8.5	12.7
236	27.3	22.2	33.2

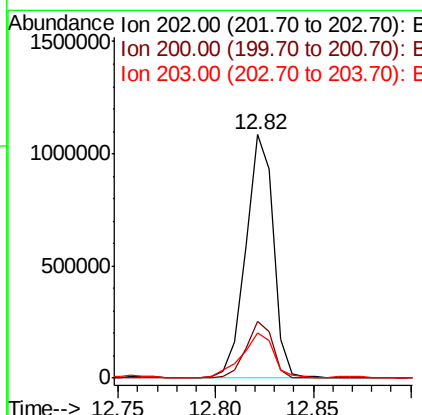
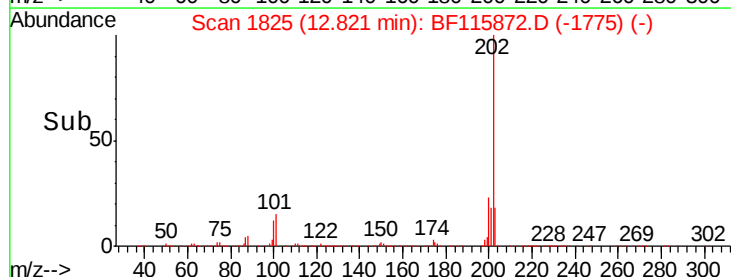
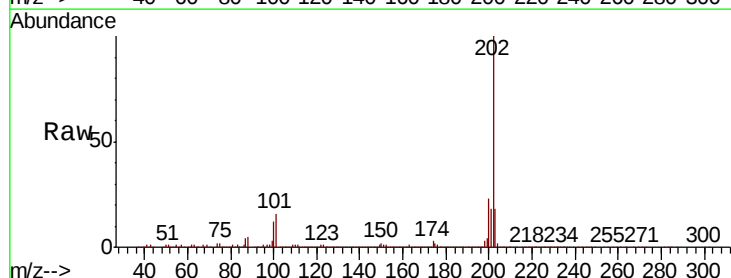
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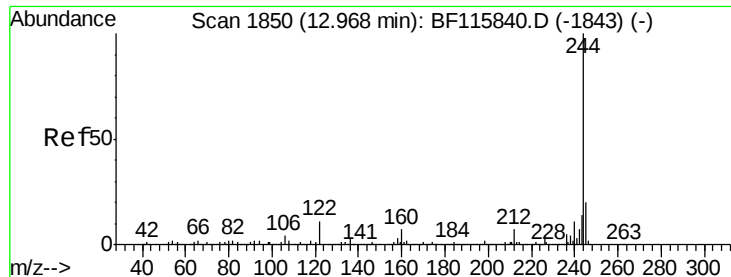
mohammad
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#78
Pyrene
Concen: 52.631 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF115872.D
Acq: 31 Jul 2019 18:06

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.1	18.2	27.2
203	18.5	14.3	21.5





#79

Terphenyl-d14

Concen: 64.473 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF115872.D

Acq: 31 Jul 2019 18:06

Instrument :

BNA_F

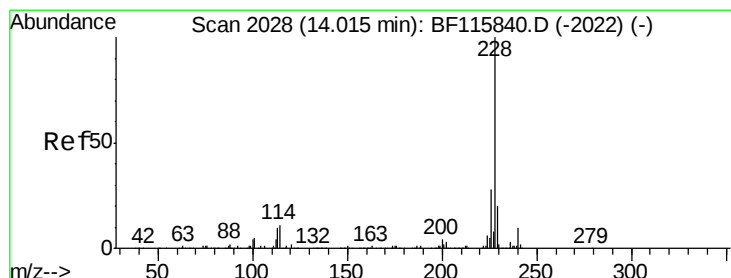
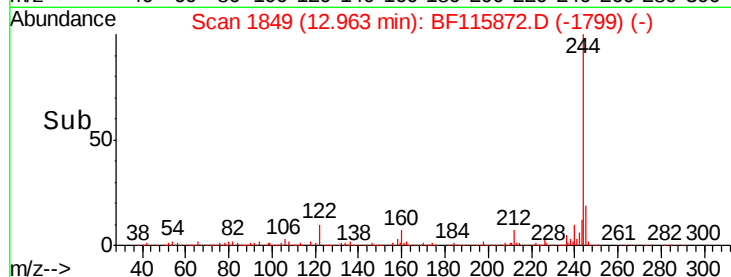
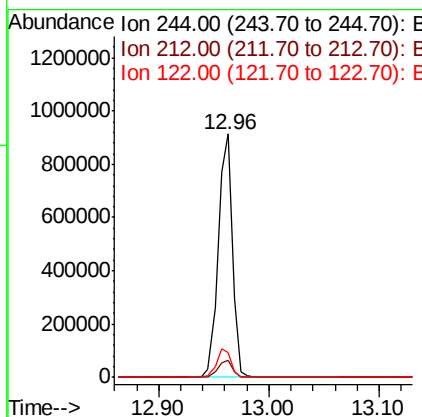
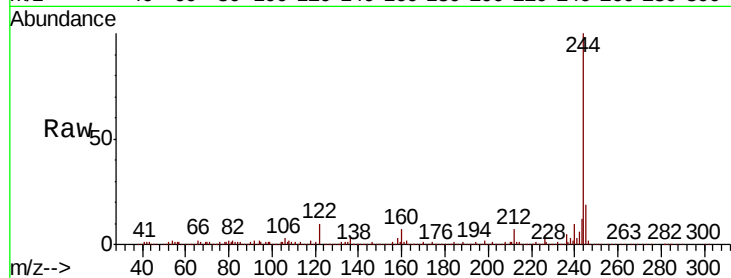
ClientSampleId :

SP-7

Tot Ion:	244	Resp:	816643
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.6	8.4
122	10.2	8.6	13.0

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#81

Benzo(a)anthracene

Concen: 33.432 ng

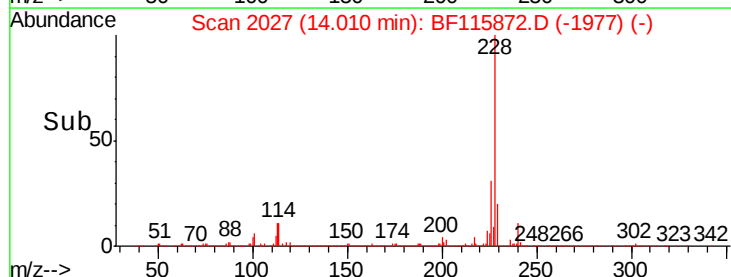
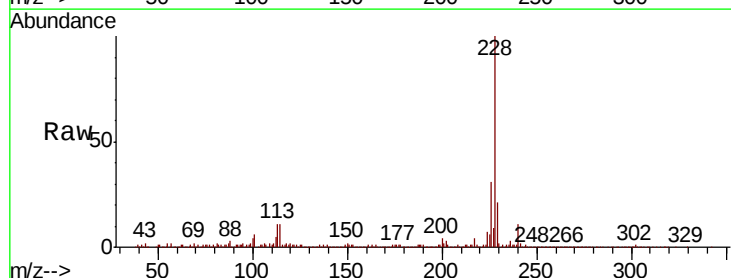
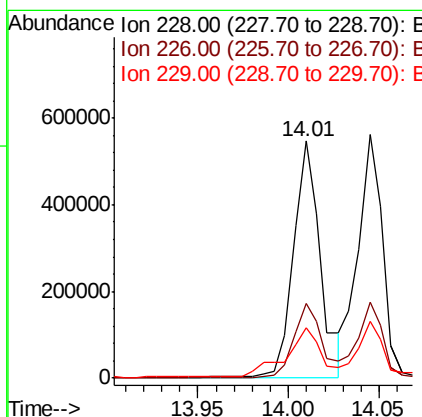
RT: 14.01 min Scan# 2027

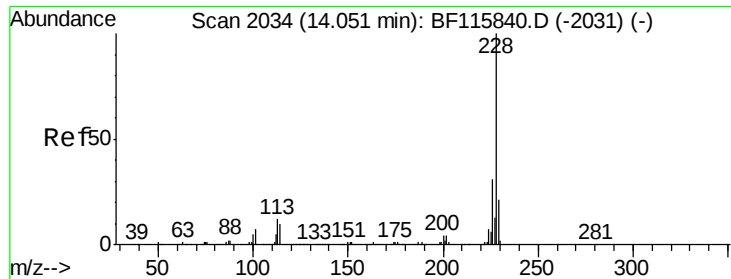
Delta R.T. -0.01 min

Lab File: BF115872.D

Acq: 31 Jul 2019 18:06

Tgt Ion:	228	Resp:	570323
Ion Ratio	Lower	Upper	
228	100		
226	31.5	22.5	33.7
229	21.0	16.1	24.1





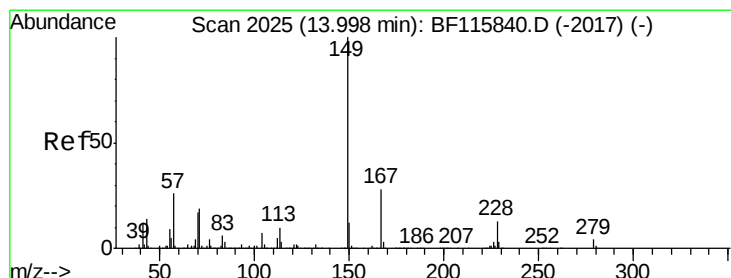
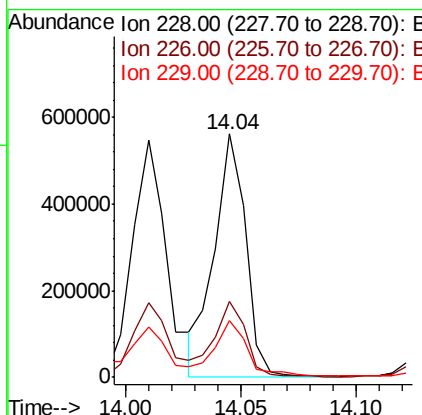
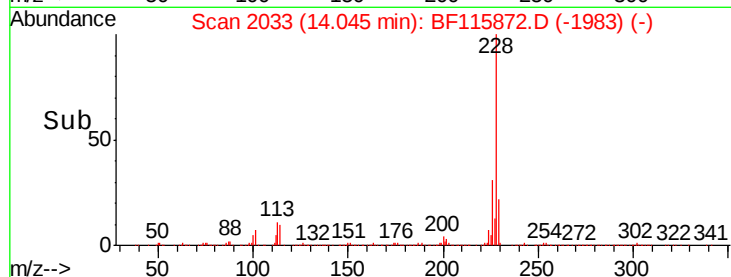
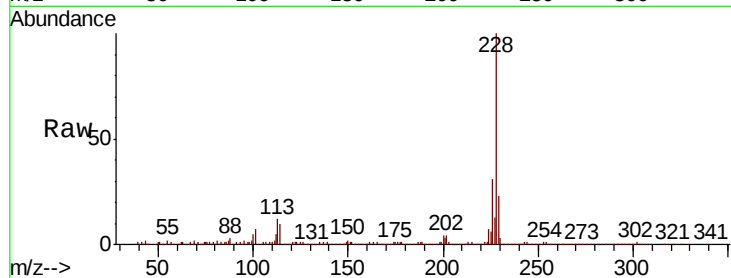
#83
Chrysene
Concen: 31.964 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115872.D
Acq: 31 Jul 2019 18:06

Instrument :
BNA_F
ClientSampled :
SP-7

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.8	37.2
229	23.0	16.4	24.6

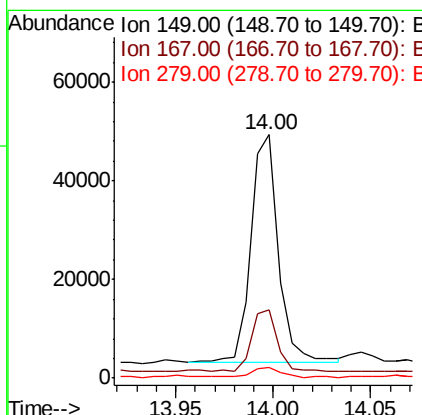
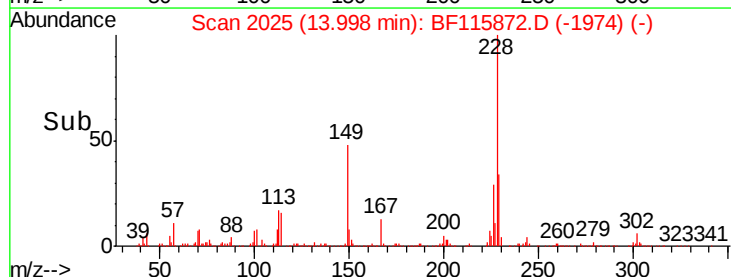
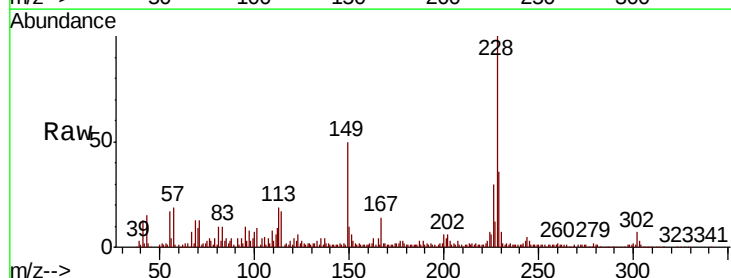
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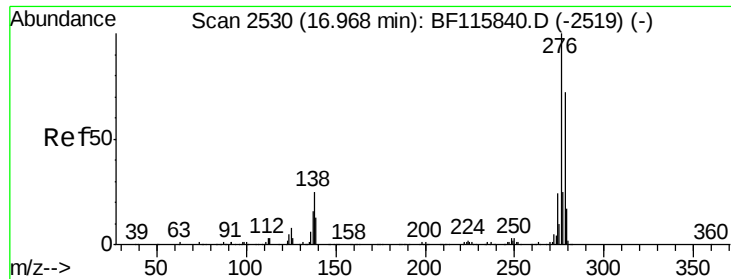
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 4.020 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF115872.D
Acq: 31 Jul 2019 18:06

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.4	33.6
279	4.4	3.3	4.9





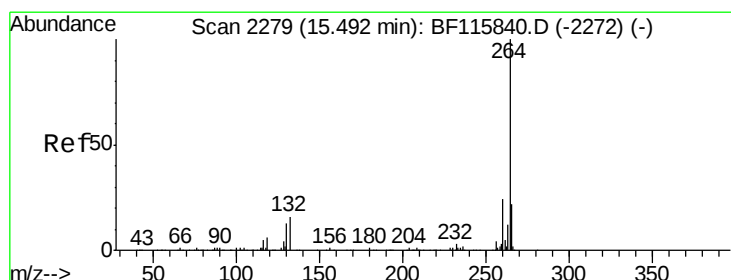
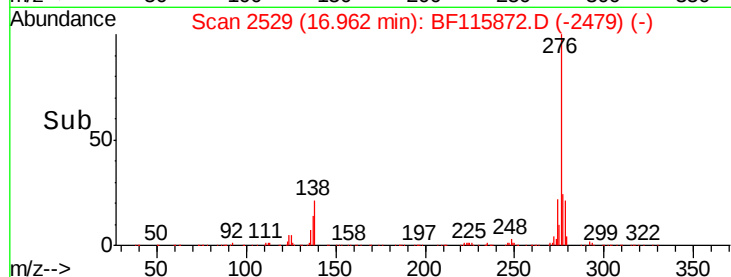
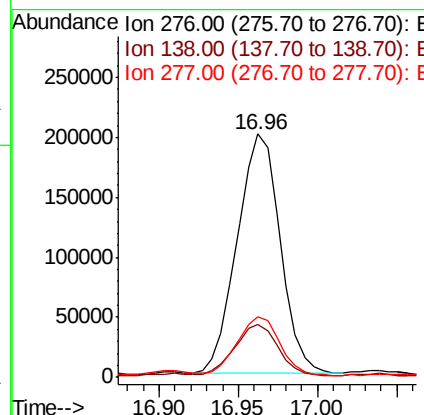
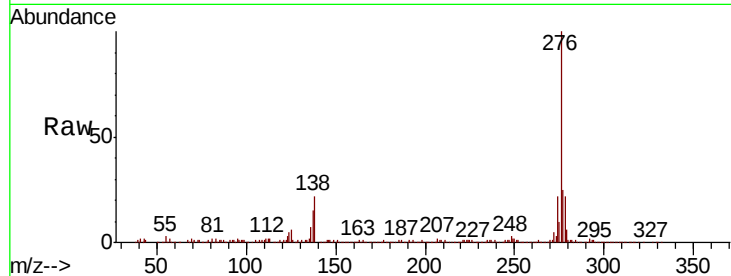
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 27.031 ng
 RT: 16.96 min Scan# 2529
 Delta R.T. -0.01 min
 Lab File: BF115872.D
 Acq: 31 Jul 2019 18:06

Instrument :
 BNA_F
 ClientSampleId :
 SP-7

Tot Ion:	276	Resp:	376012
Ion Ratio	Lower	Upper	
276	100		
138	21.9	19.6	29.4
277	24.8	20.1	30.1

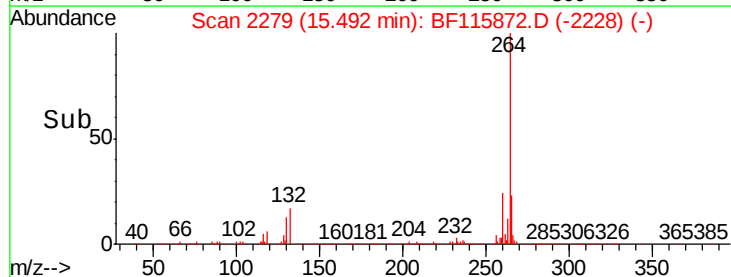
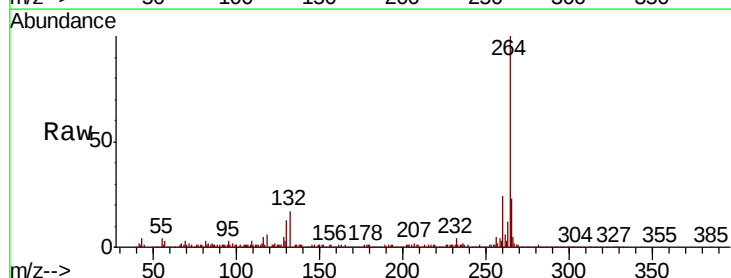
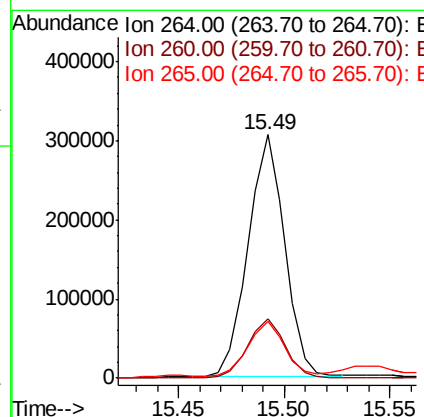
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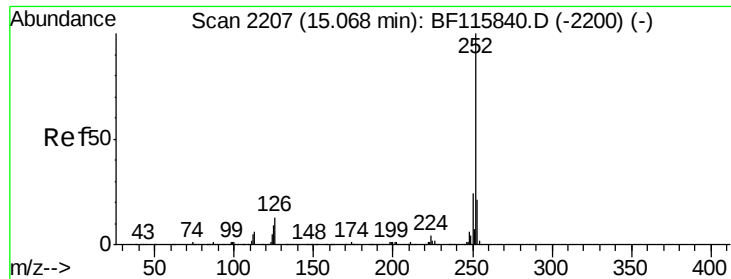
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: BF115872.D
 Acq: 31 Jul 2019 18:06

Tgt Ion:	264	Resp:	368625
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.4	29.2
265	23.1	17.5	26.3





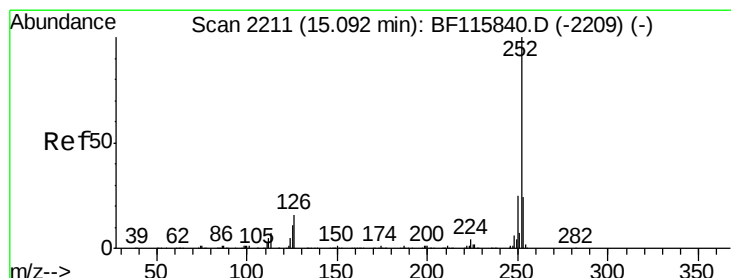
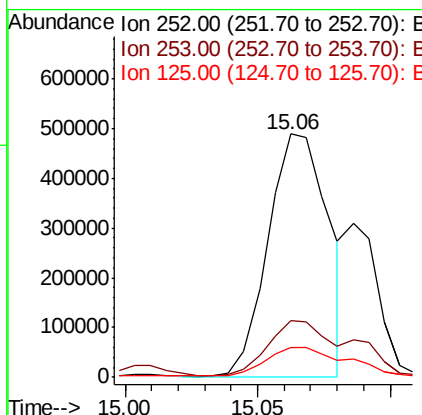
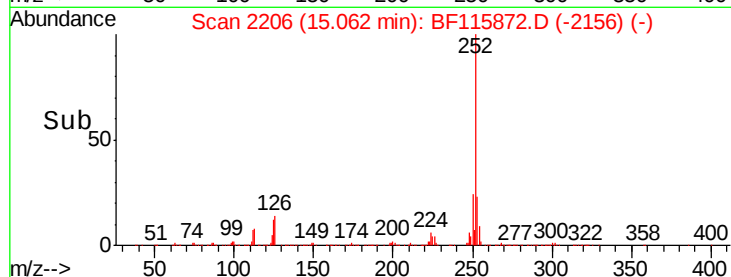
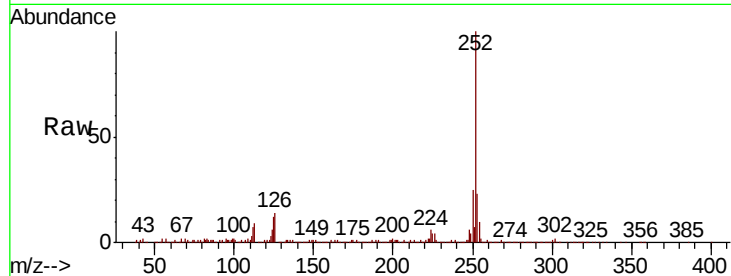
#88
Benzo(b)fluoranthene
Concen: 36.783 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF115872.D
Acq: 31 Jul 2019 18:06

Instrument :
BNA_F
ClientSampleId :
SP-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	12.2	7.4	11.0

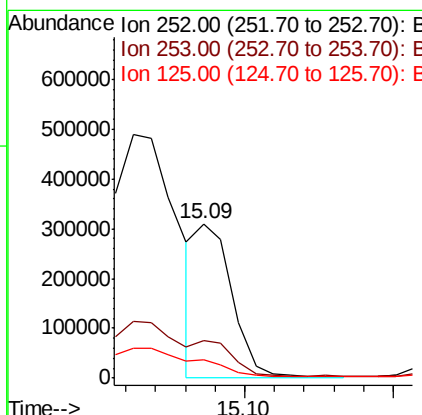
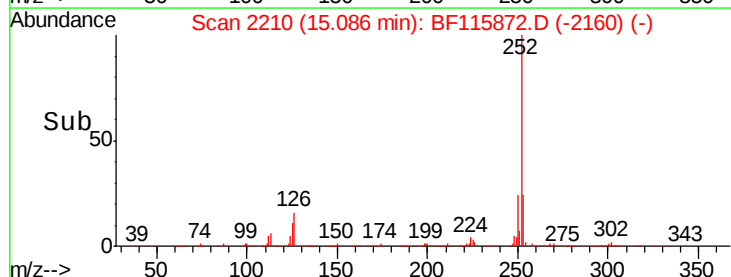
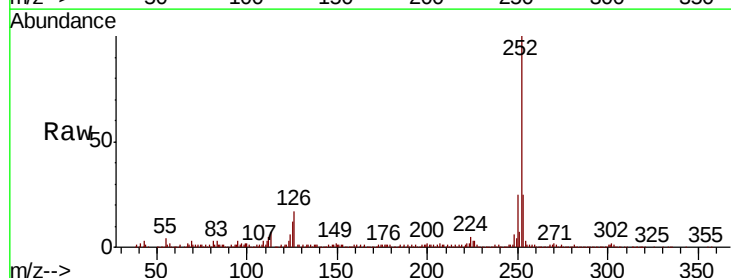
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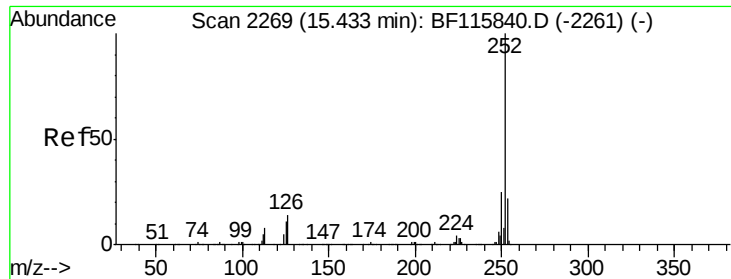
mohammad
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#89
Benzo(k)fluoranthene
Concen: 12.793 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115872.D
Acq: 31 Jul 2019 18:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.2	27.4
125	11.9	8.9	13.3





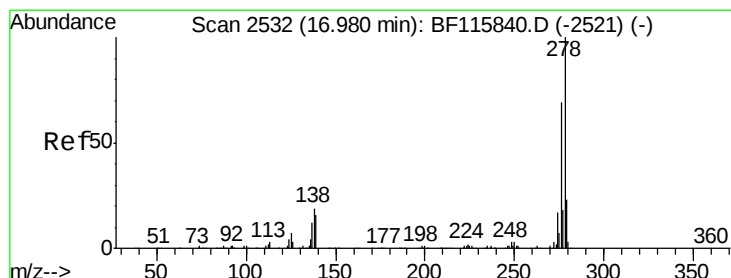
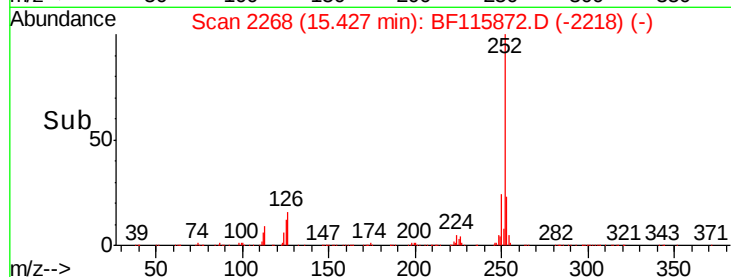
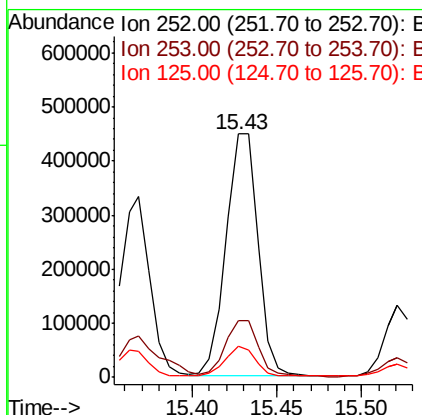
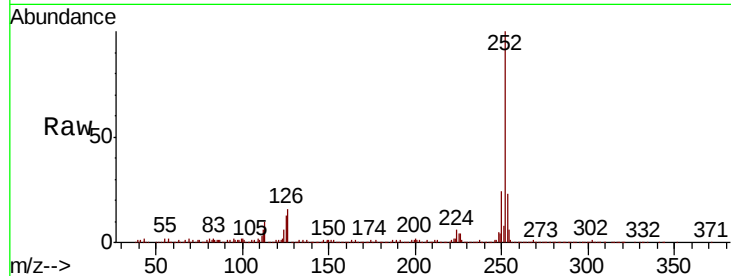
#90
Benzo(a)pyrene
Concen: 30.944 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF115872.D
Acq: 31 Jul 2019 18:06

Instrument :
BNA_F
ClientSampled :
SP-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	12.6	8.8	13.2

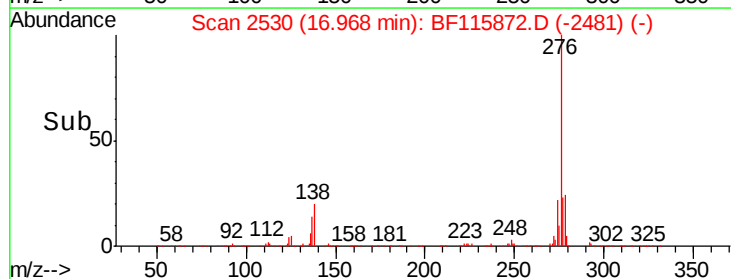
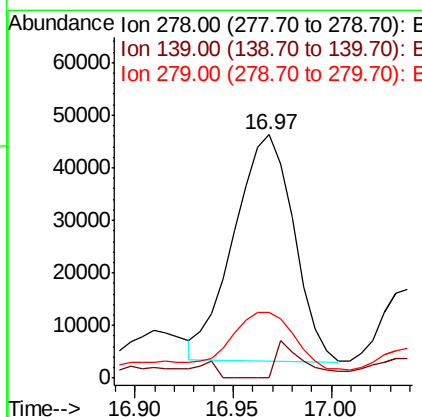
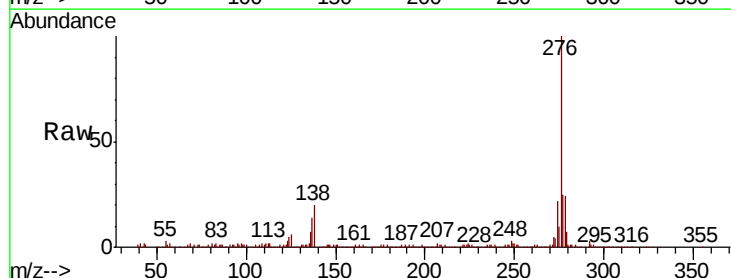
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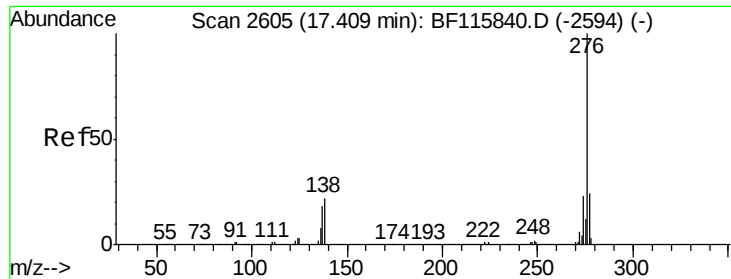
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 5.559 ng m
RT: 16.97 min Scan# 2530
Delta R.T. -0.01 min
Lab File: BF115872.D
Acq: 31 Jul 2019 18:06

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.6	19.0#
279	27.1	18.8	28.2





#92
 Benzo(a,h,i)perylene
 Concen: 21.457 ng
 RT: 17.41 min Scan# 2605
 Delta R.T. 0.00 min
 Lab File: BF115872.D
 Acq: 31 Jul 2019 18:06

Instrument :
 BNA_F
 ClientSampleId :
 SP-7

Tot Ion:	276	Resp:	347555
Ion Ratio	Lower	Upper	
276	100		
277	23.8	19.5	29.3
138	21.3	17.8	26.8

Manual Integrations
 APPROVED

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