

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
 Data File : BF116847.D
 Acq On : 5 Sep 2019 19:21
 Operator : HP/JU
 Sample : K4692-06 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-30-COMP

Manual Integrations
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mohammad
 9/10/2019 9:55:22 AM

Quant Time: Sep 06 05:22:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	69022	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	283768	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	147936	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	221249	20.00	ng	0.00
76) Chrysene-d12	14.00	240	159265	20.00	ng	0.00
87) Perylene-d12	15.47	264	122709	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	250507	58.80	ng	0.00
7) Phenol-d6	6.47	99	353174	63.13	ng	0.00
23) Nitrobenzene-d5	7.40	82	214357	43.12	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	70995	71.79	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	412955	47.09	ng	-0.01
79) Terphenyl-d14	12.94	244	367871	42.73	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.74	152	29965	2.230	ng	99
50) Dimethylphthalate	9.59	163	57904	5.669	ng	99
58) Fluorene	10.43	166	24325	2.742	ng	96
71) Phenanthrene	11.39	178	347015	28.176	ng	100
72) Anthracene	11.44	178	78888	6.363	ng	99
73) Carbazole	11.59	167	41260	3.494	ng	99
74) Di-n-butylphthalate	11.92	149	49656	3.280	ng	97
75) Fluoranthene	12.58	202	516641	42.684	ng	98
78) Pyrene	12.81	202	480143	33.914	ng	99
81) Benzo(a)anthracene	14.00	228	239124	23.723	ng	96
83) Chrysene	14.03	228	221854m	21.364	ng	
86) Indeno(1,2,3-cd)pyrene	16.93	276	74875	8.976	ng	99
88) Benzo(b)fluoranthene	15.04	252	211060m	28.449	ng	
89) Benzo(k)fluoranthene	15.07	252	67952m	10.046	ng	
90) Benzo(a)pyrene	15.41	252	133912	20.747	ng	98
91) Dibenzo(a,h)anthracene	16.93	278	20116	3.561	ng	# 76
92) Benzo(a,h,i)perylene	17.37	276	73654	12.783	ng	96

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

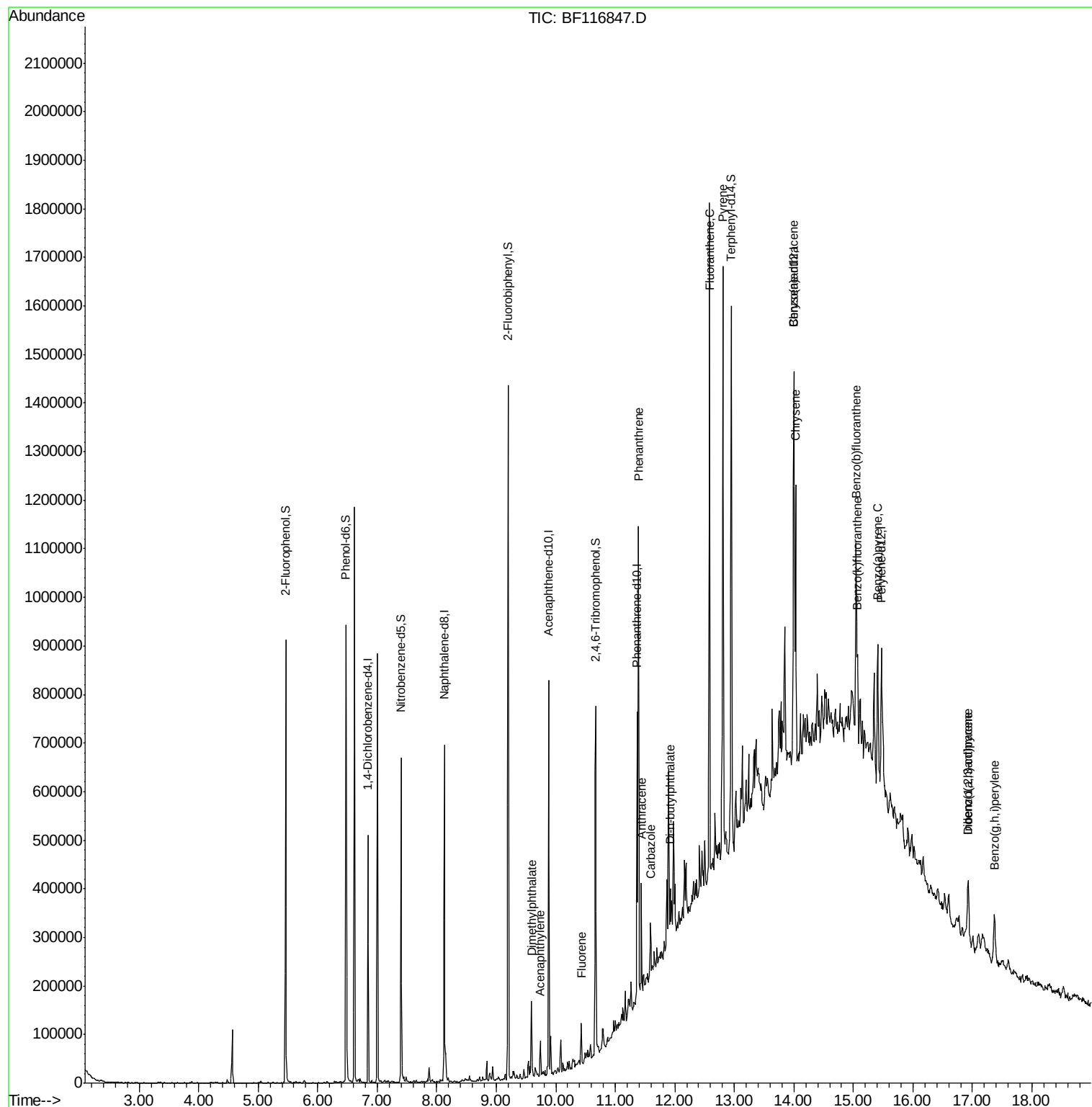
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
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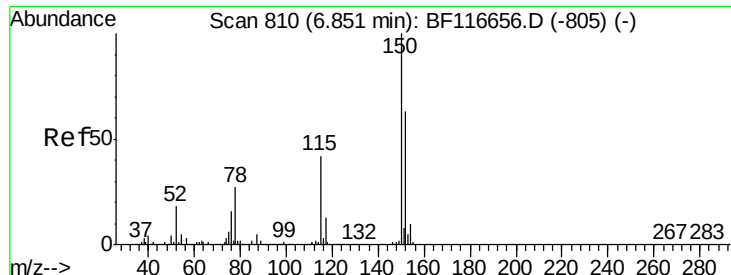
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#1

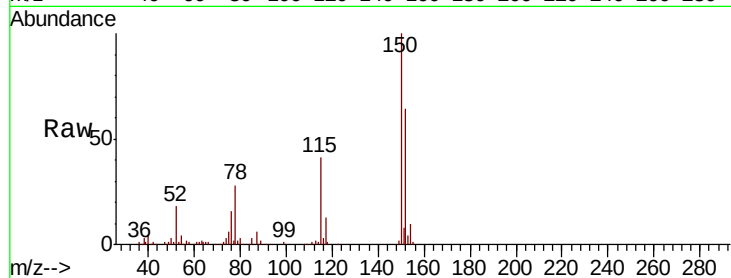
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116847.D
Acq: 5 Sep 2019 19:21

Instrument :
BNA_F
ClientSampleId :
SB-30-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.4	186.6
115	64.5	49.9	74.9

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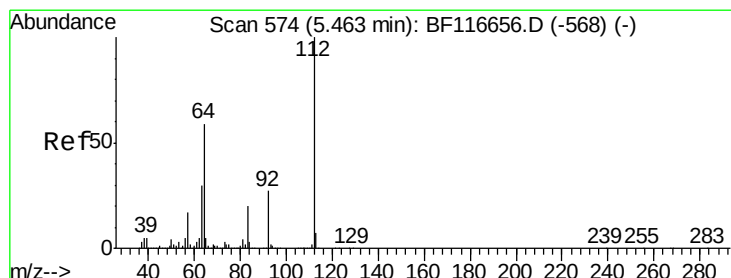
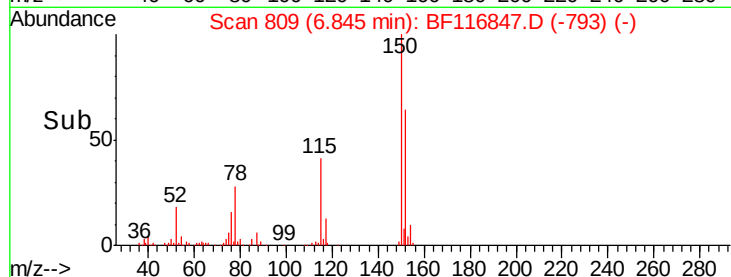
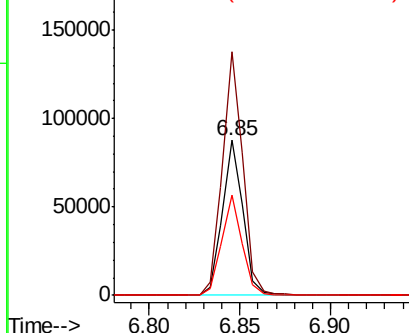


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

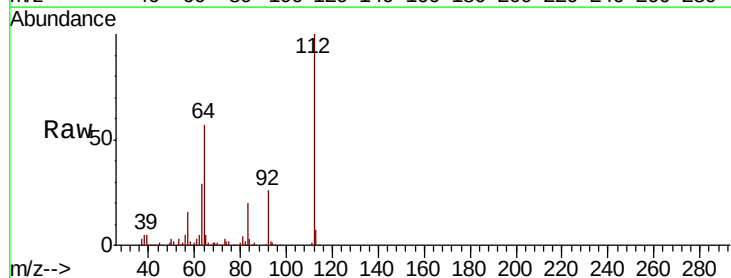
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 58.798 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116847.D
Acq: 5 Sep 2019 19:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.1	70.7
63	28.9	24.9	37.3

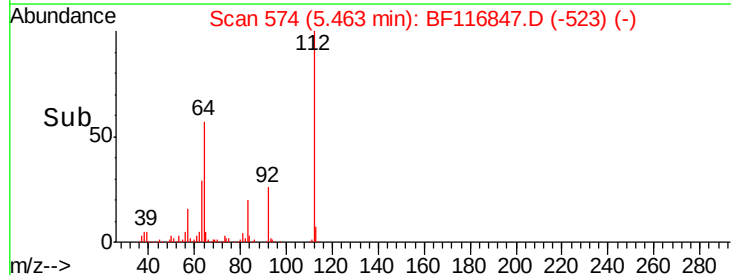
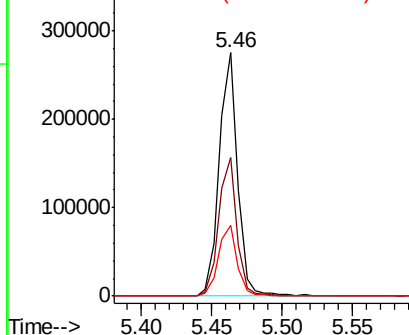


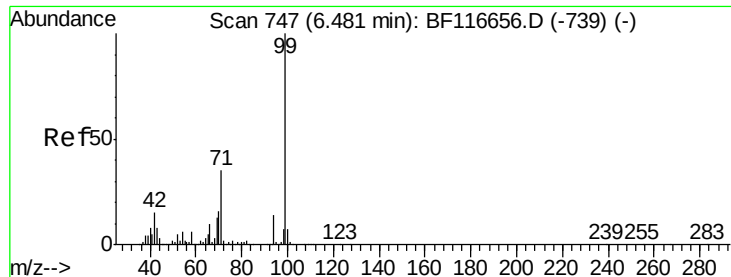
Abundance

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: 63.129 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116847.D

Acq: 5 Sep 2019 19:21

Instrument :

BNA_F

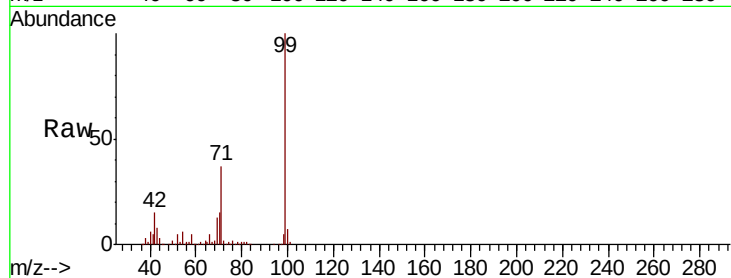
ClientSampleId :

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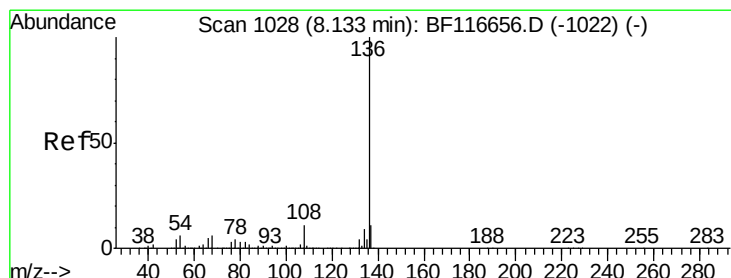
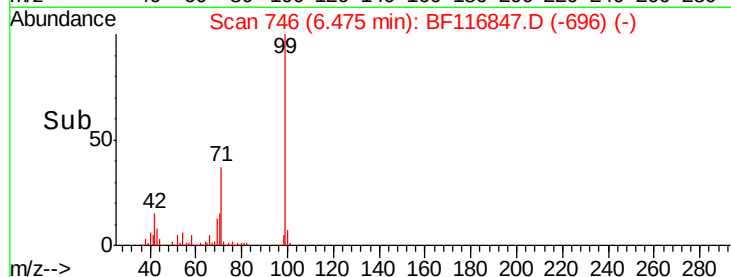
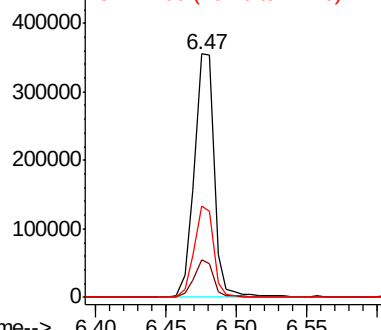
Tot Ion:	99	Resp:	353174
Ion Ratio	Lower	Upper	
99	100		
42	15.2	13.7	20.5
71	37.5	30.8	46.2

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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# 1027

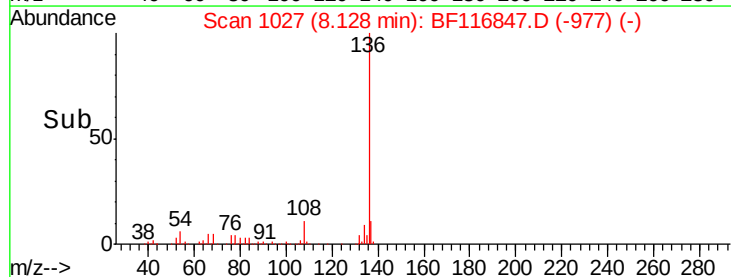
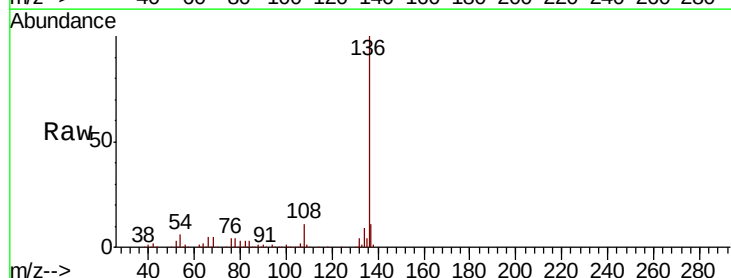
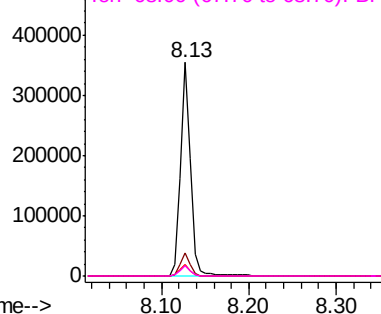
Delta R.T. -0.01 min

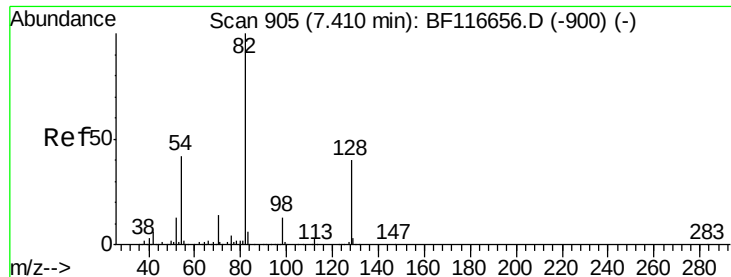
Lab File: BF116847.D

Acq: 5 Sep 2019 19:21

Tgt Ion:	136	Resp:	283768
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	5.6	4.8	7.2
68	4.9	4.0	6.0

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: 43.124 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116847.D

Acq: 5 Sep 2019 19:21

Instrument :

BNA_F

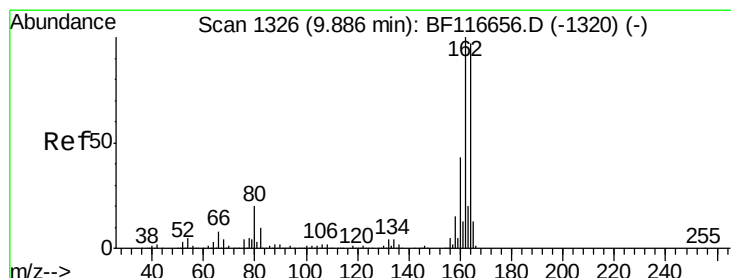
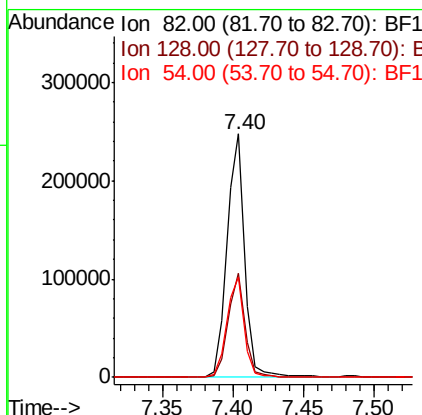
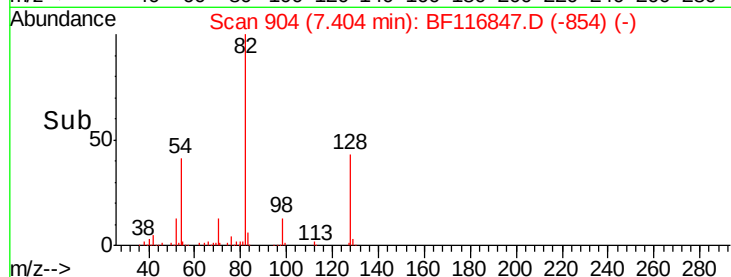
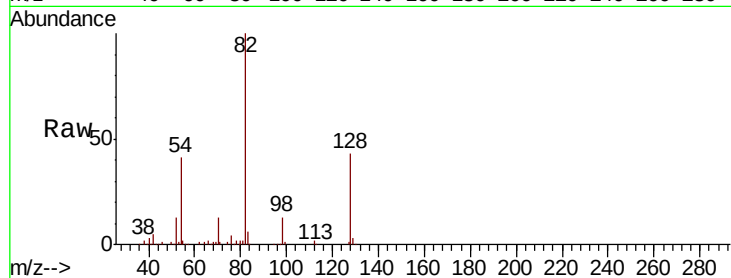
ClientSampleId :

SB-30-COMP

Tot Ion:	82	Resp:	214357
Ion Ratio	Lower	Upper	
82	100		
128	42.9	32.8	49.2
54	41.2	36.9	55.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

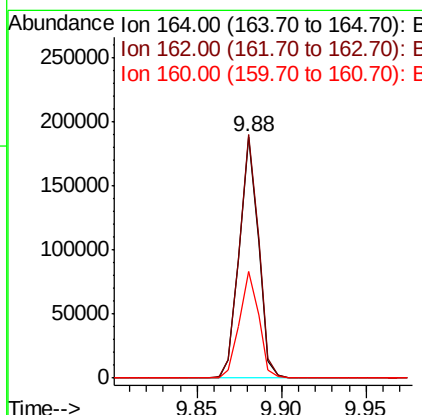
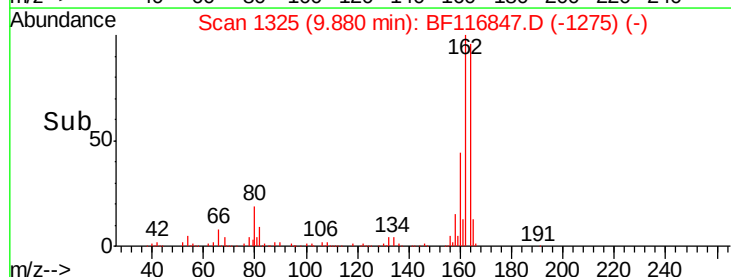
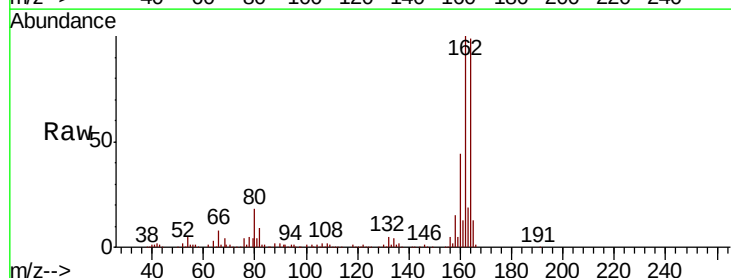
RT: 9.88 min Scan# 1325

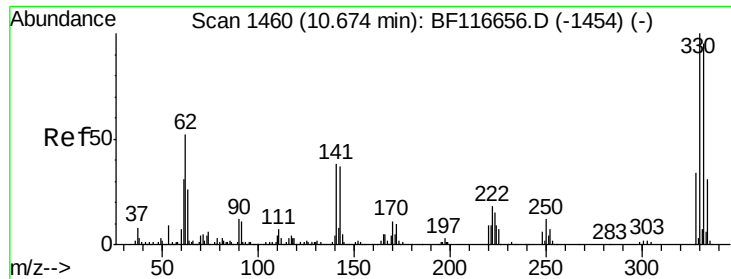
Delta R.T. -0.01 min

Lab File: BF116847.D

Acq: 5 Sep 2019 19:21

Tgt Ion:	164	Resp:	147936
Ion Ratio	Lower	Upper	
164	100		
162	101.0	81.4	122.0
160	44.3	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 71.786 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116847.D

Acq: 5 Sep 2019 19:21

Instrument :

BNA_F

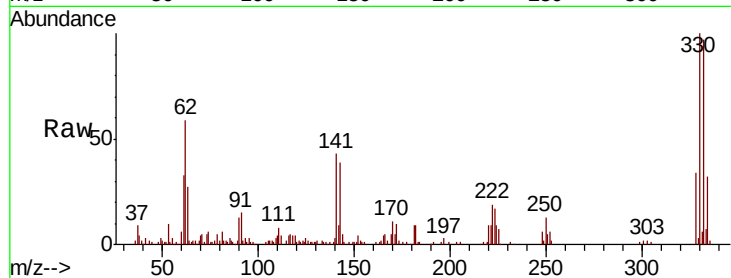
ClientSampled :

SB-30-COMP

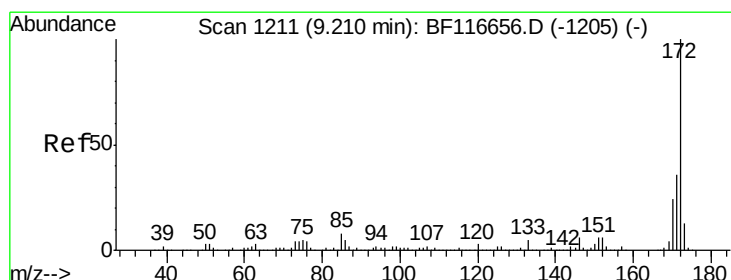
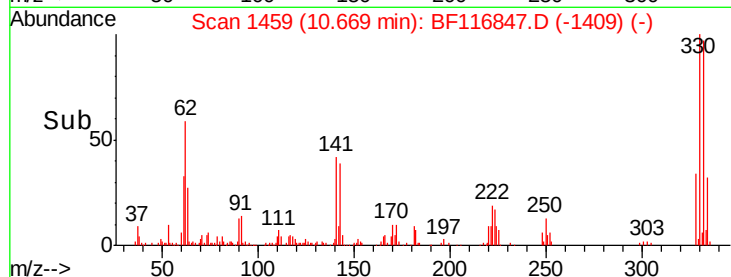
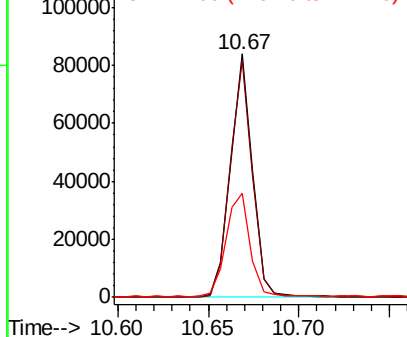
Tot Ion:	330	Resp:	70995
Ion Ratio	Lower	Upper	
330	100		
332	98.6	76.9	115.3
141	49.8	31.4	47.2#

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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: 47.089 ng

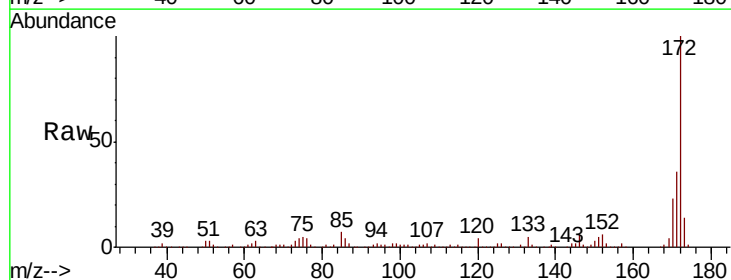
RT: 9.20 min Scan# 1209

Delta R.T. -0.01 min

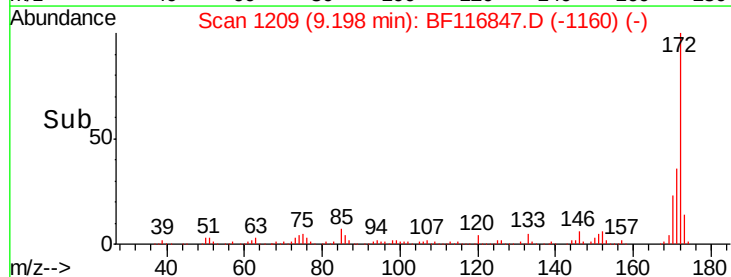
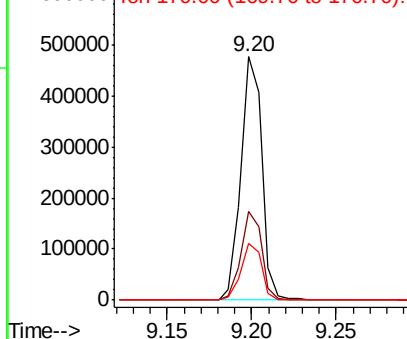
Lab File: BF116847.D

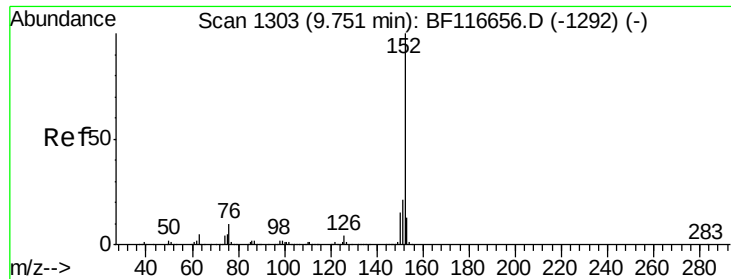
Acq: 5 Sep 2019 19:21

Tgt Ion:	172	Resp:	412955
Ion Ratio	Lower	Upper	
172	100		
171	36.2	27.8	41.6
170	23.3	18.9	28.3



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





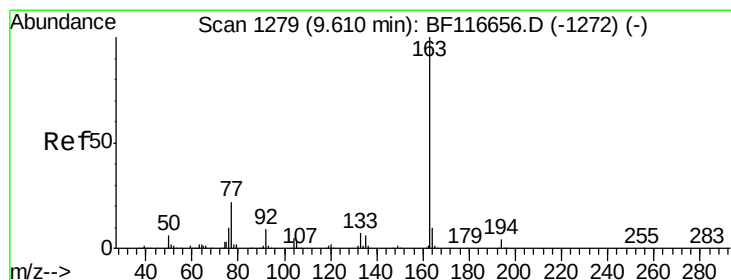
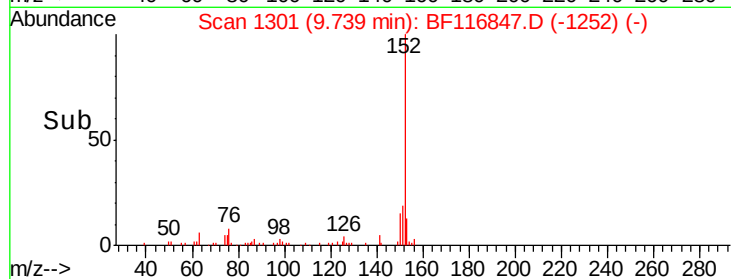
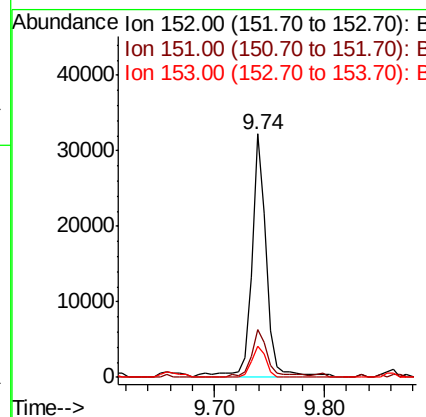
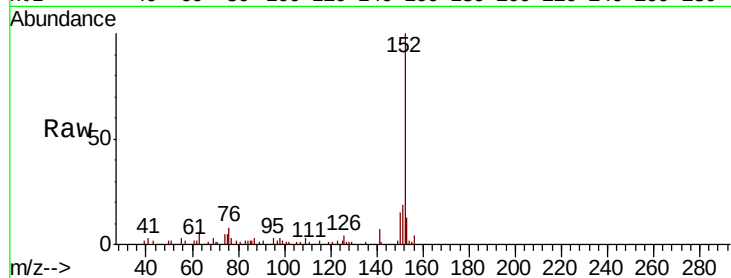
#49
Acenaphthylene
Concen: 2.230 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF116847.D
Acq: 5 Sep 2019 19:21

Instrument :
BNA_F
ClientSampleId :
SB-30-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		29965		
151	19.5		15.9	23.9	
153	12.7		10.9	16.3	

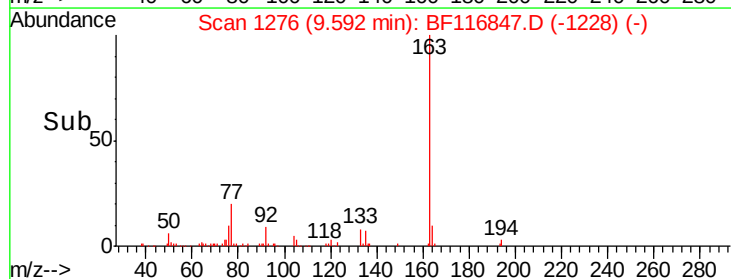
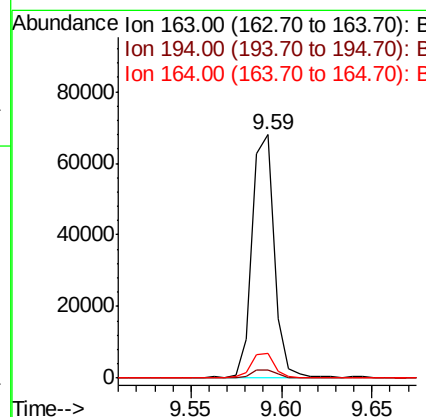
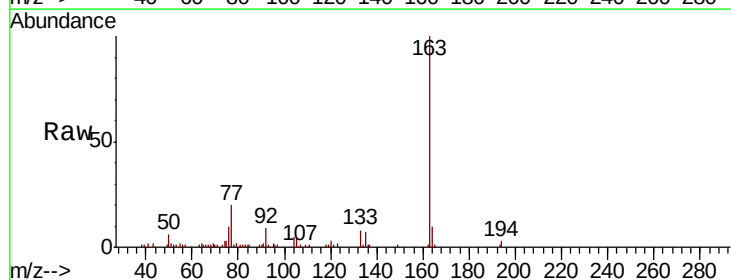
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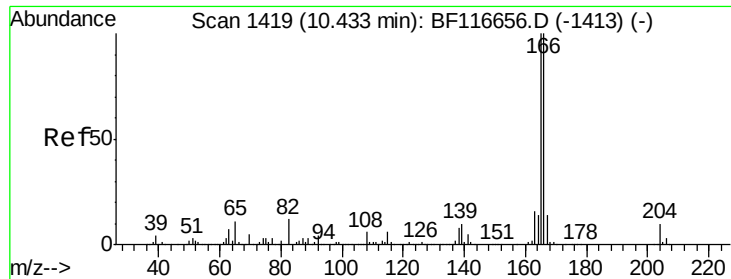
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#50
Dimethylphthalate
Concen: 5.669 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116847.D
Acq: 5 Sep 2019 19:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		57904		
194	3.3		2.8	4.2	
164	10.2		8.6	12.8	





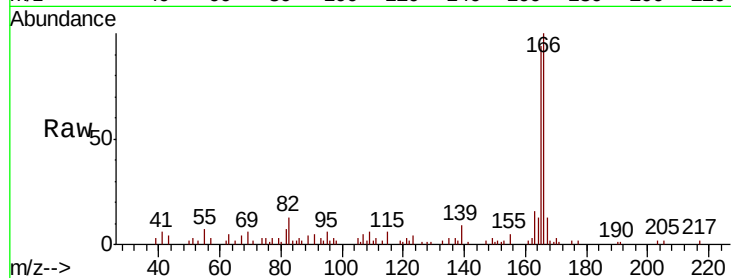
#58
 Fluorene
 Concen: 2.742 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: BF116847.D
 Acq: 5 Sep 2019 19:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-30-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		24325		
165	93.9	78.8	118.2		
167	13.3	10.0	15.0		

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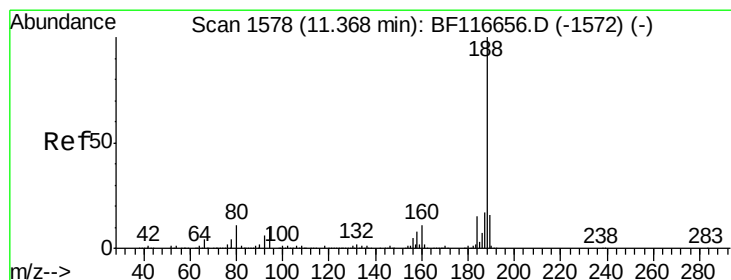
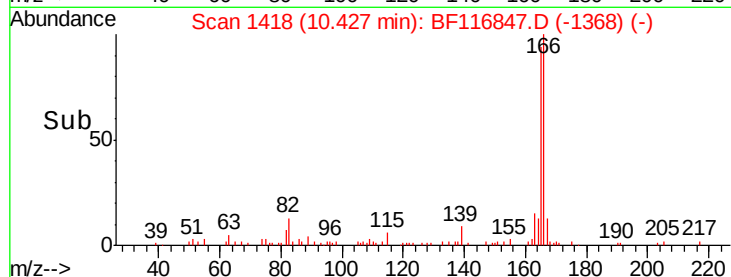
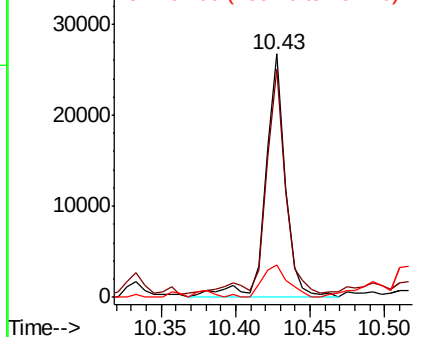


Abundance

Ion 166.00 (165.70 to 166.70): E

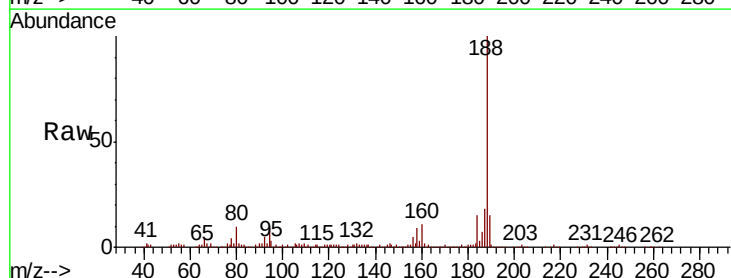
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: BF116847.D
 Acq: 5 Sep 2019 19:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		221249		
94	9.1	7.3	10.9		
80	9.8	8.4	12.6		

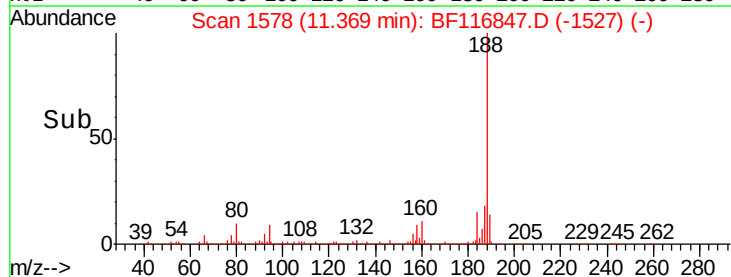
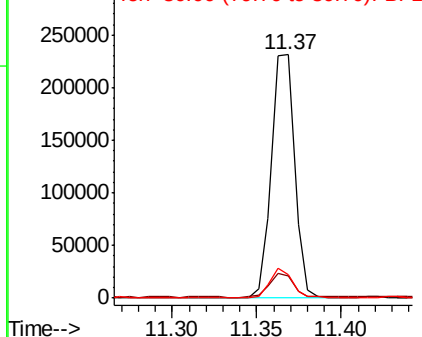


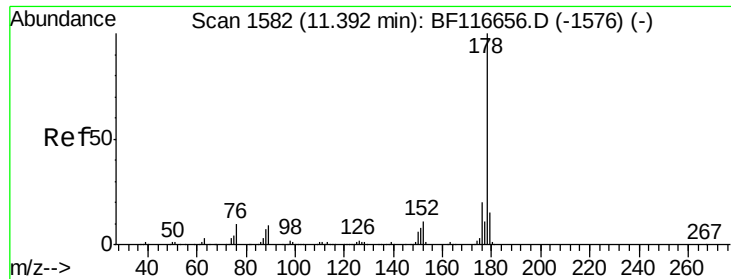
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





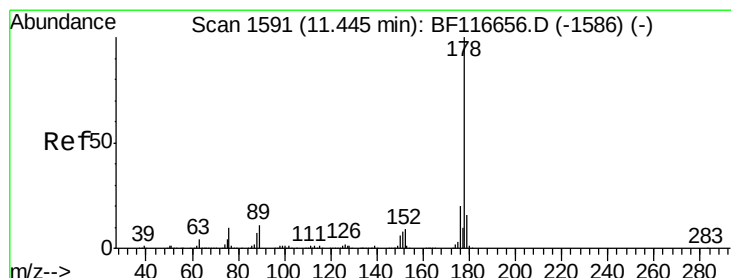
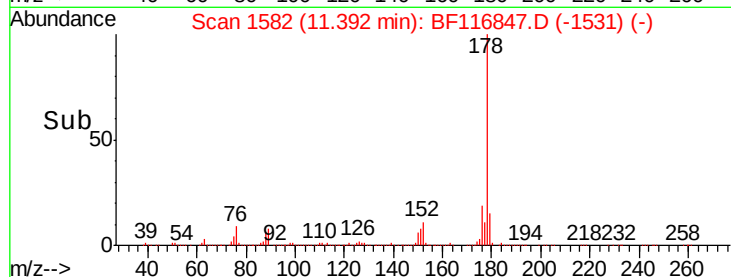
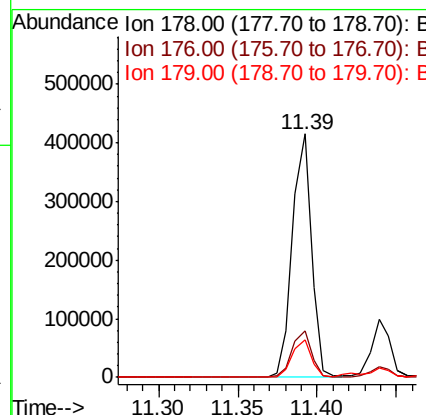
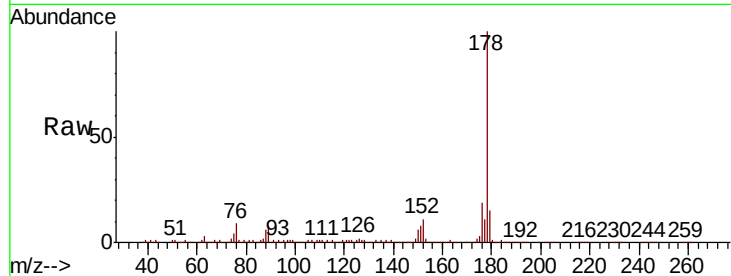
#71
Phenanthrene
Concen: 28.176 ng
RT: 11.39 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BF116847.D
Acq: 5 Sep 2019 19:21

Instrument :
BNA_F
ClientSampleId :
SB-30-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.4	12.2	18.2

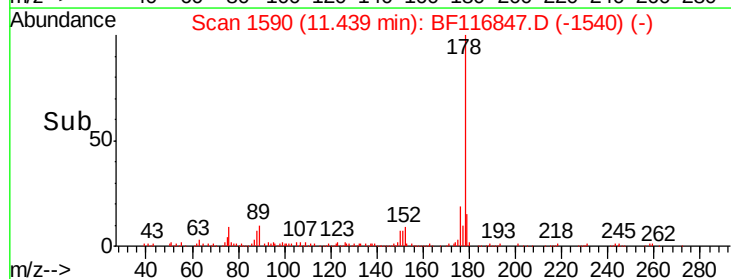
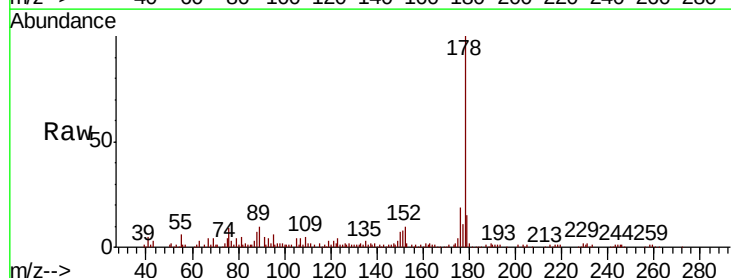
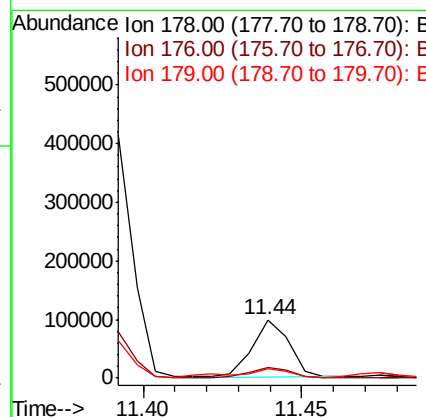
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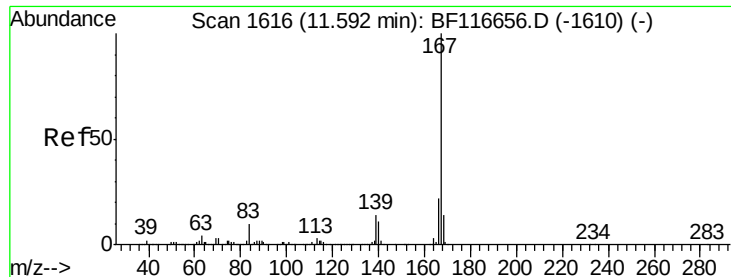
mohammad
9/10/2019 9:55:22 AM



#72
Anthracene
Concen: 6.363 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BF116847.D
Acq: 5 Sep 2019 19:21

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.1	12.5	18.7





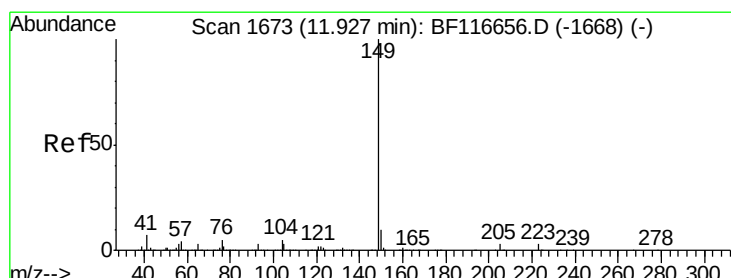
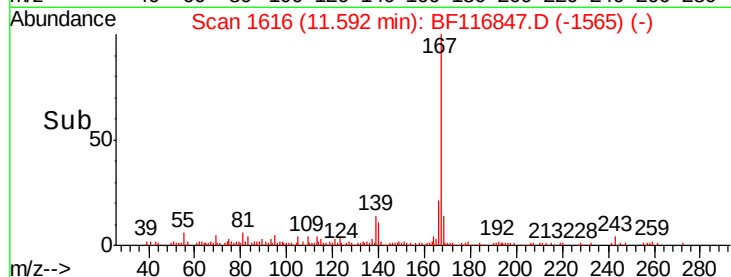
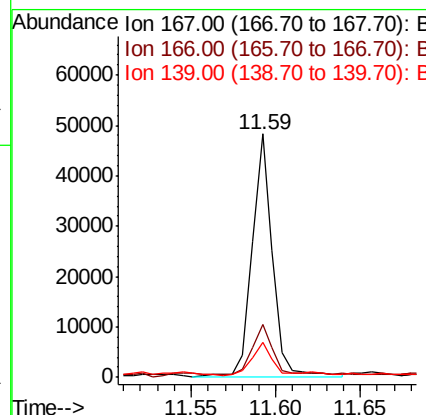
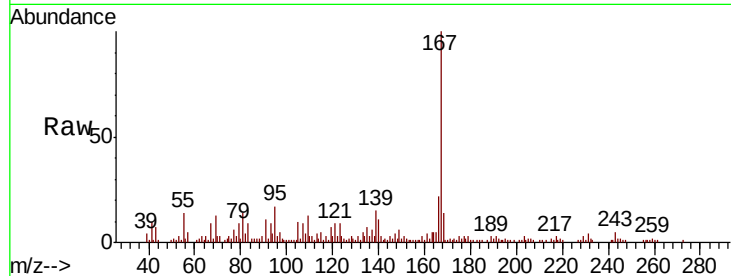
#73
 Carbazole
 Concen: 3.494 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. 0.00 min
 Lab File: BF116847.D
 Acq: 5 Sep 2019 19:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-30-COMP

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.8	26.6
139	14.5	11.1	16.7

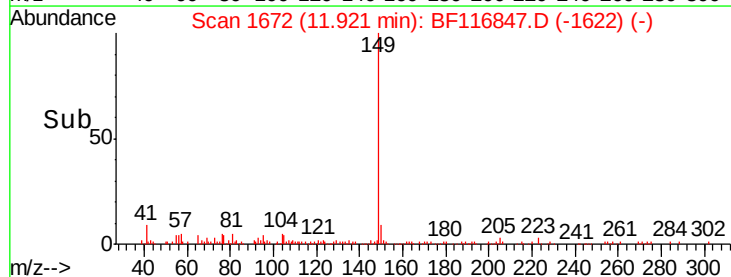
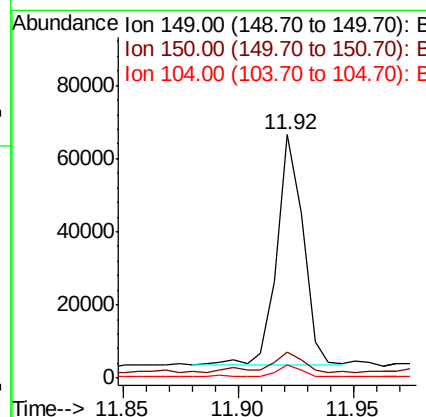
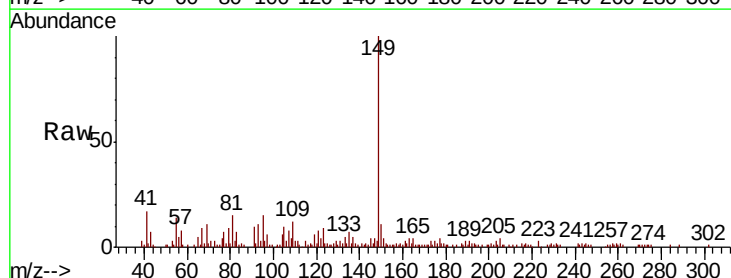
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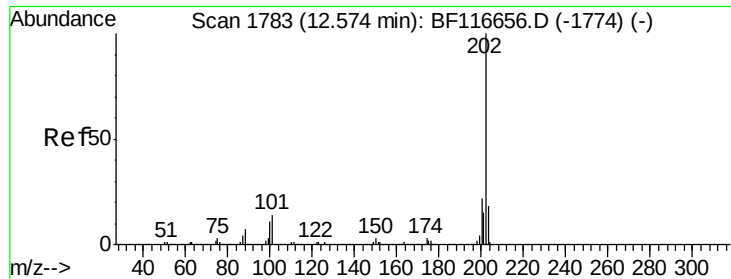
mohammad
 9/10/2019 9:55:22 AM



#74
 Di-n-butylphthalate
 Concen: 3.280 ng
 RT: 11.92 min Scan# 1672
 Delta R.T. -0.01 min
 Lab File: BF116847.D
 Acq: 5 Sep 2019 19:21

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.6	7.2	10.8
104	5.5	4.2	6.2





#75

Fluoranthene

Concen: 42.684 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF116847.D

Acq: 5 Sep 2019 19:21

Instrument :

BNA_F

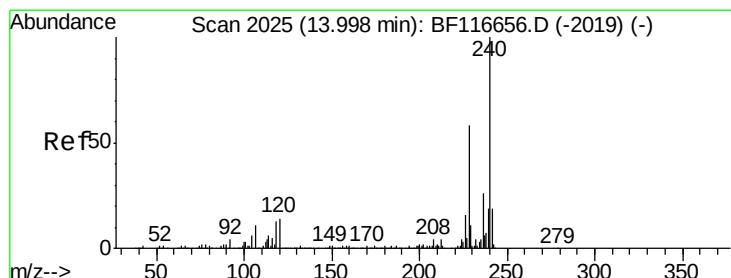
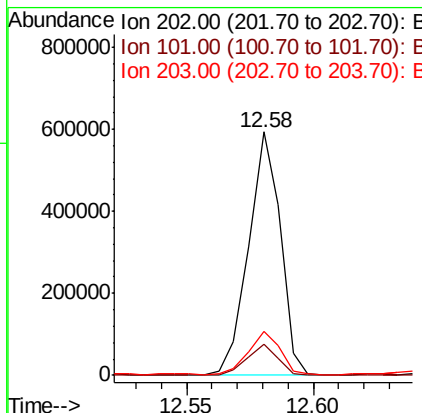
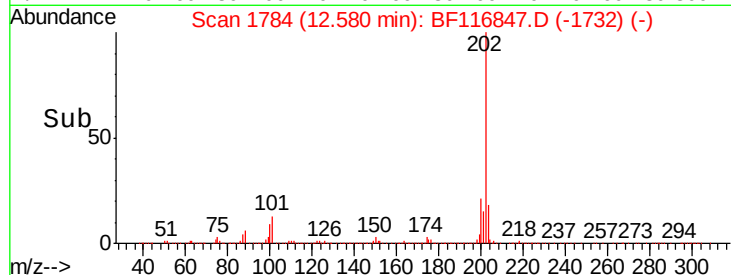
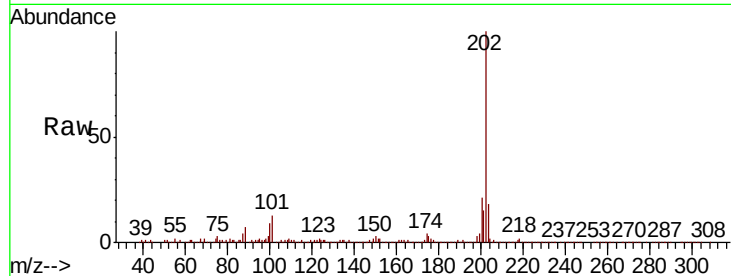
ClientSampleId :

SB-30-COMP

Tot Ion:	202	Resp:	516641
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	31.3
203	18.2	0.0	37.6

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#76

Chrysene-d12

Concen: 20.000 ng

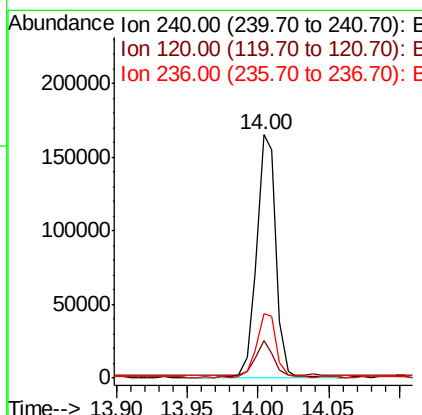
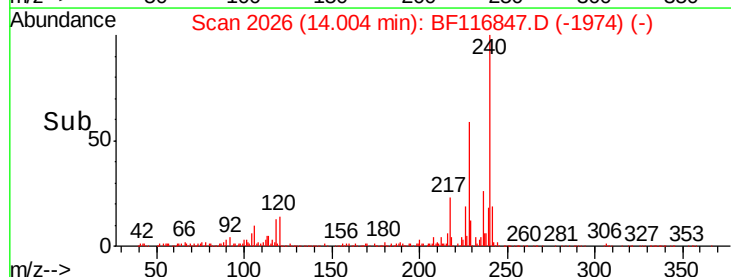
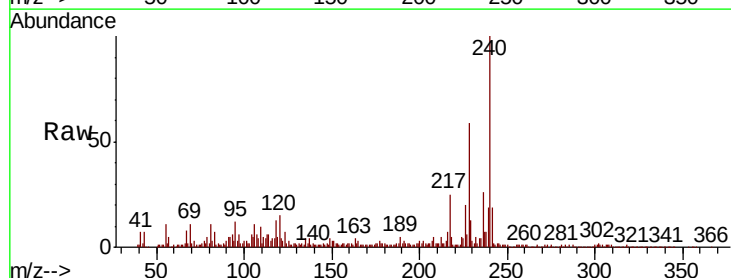
RT: 14.00 min Scan# 2026

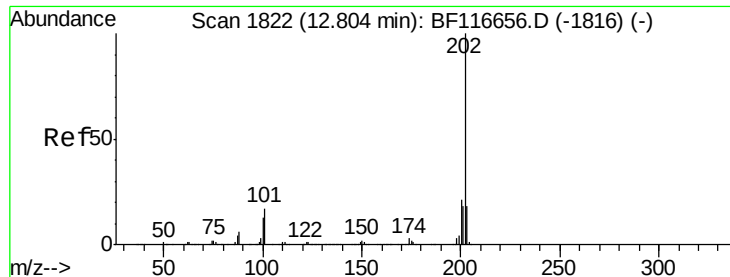
Delta R.T. 0.01 min

Lab File: BF116847.D

Acq: 5 Sep 2019 19:21

Tgt Ion:	240	Resp:	159265
Ion Ratio	Lower	Upper	
240	100		
120	15.2	9.1	13.7#
236	26.3	21.1	31.7





#78

Pvrene

Concen: 33.914 ng

RT: 12.81 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BF116847.D

Acq: 5 Sep 2019 19:21

Instrument :

BNA_F

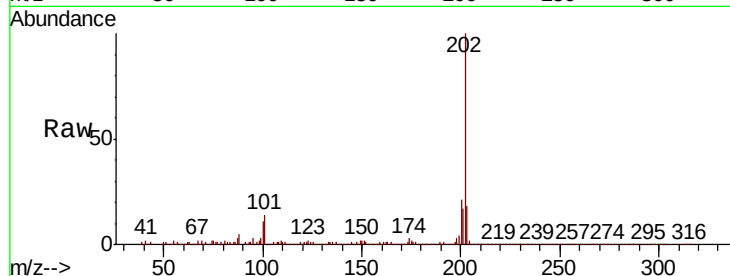
ClientSampleId :

SB-30-COMP

Tot Ion:	202	Resp:	480143
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.5	24.7
203	17.7	13.7	20.5

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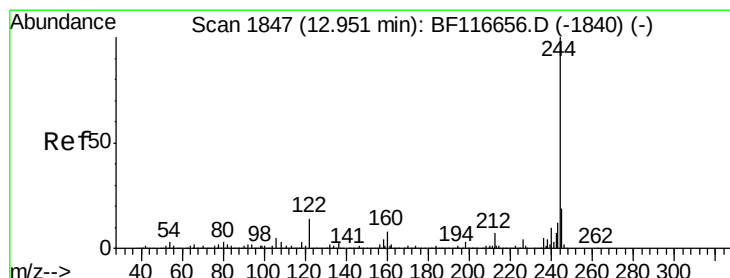
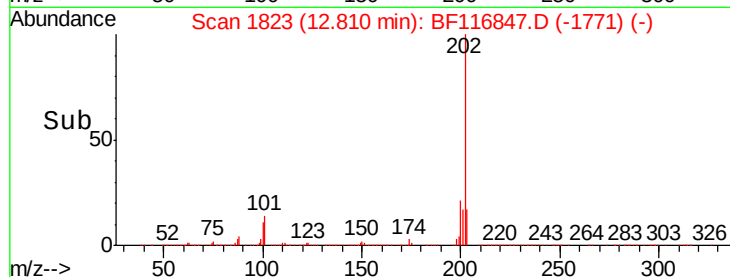
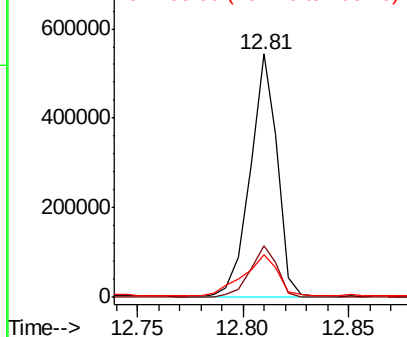


Abundance

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: 42.730 ng

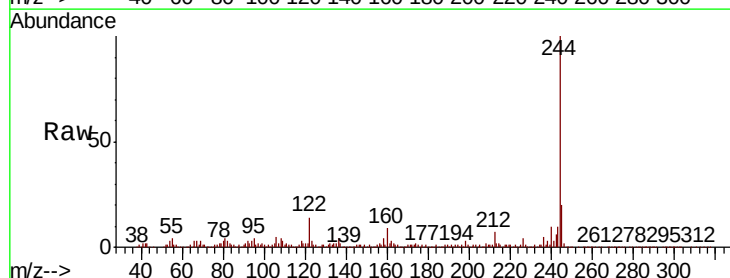
RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF116847.D

Acq: 5 Sep 2019 19:21

Tgt Ion:	244	Resp:	367871
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.1	9.1
122	13.7	10.2	15.4

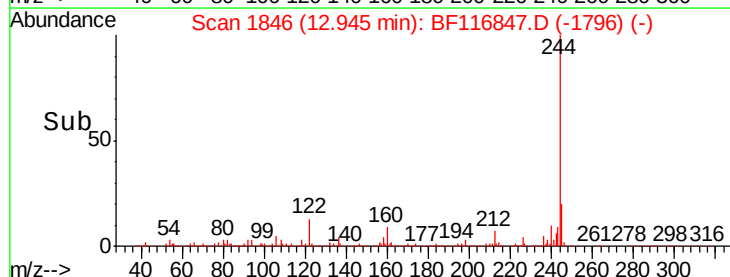
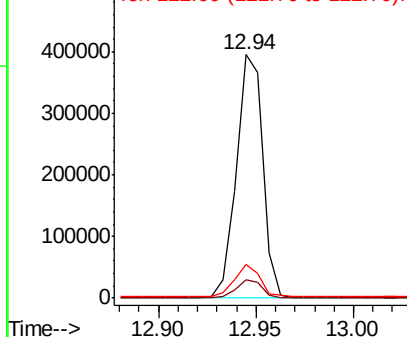


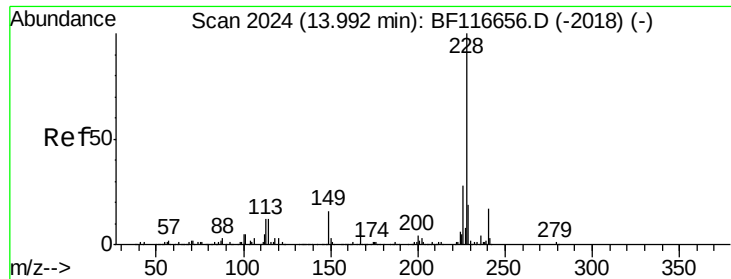
Abundance

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





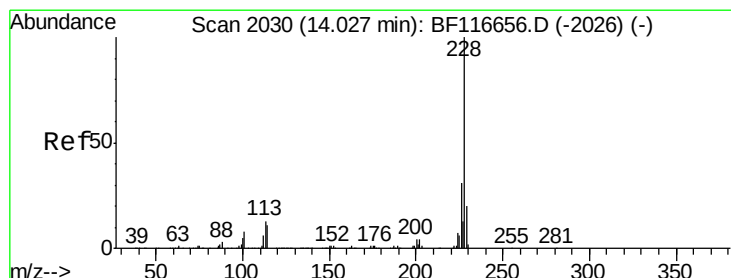
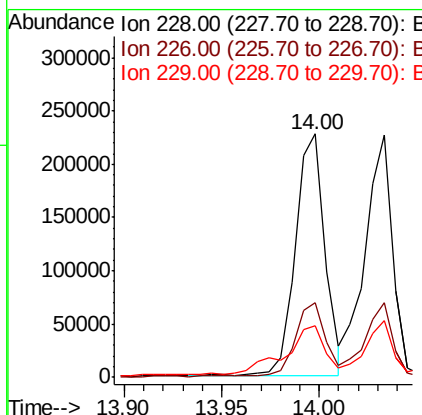
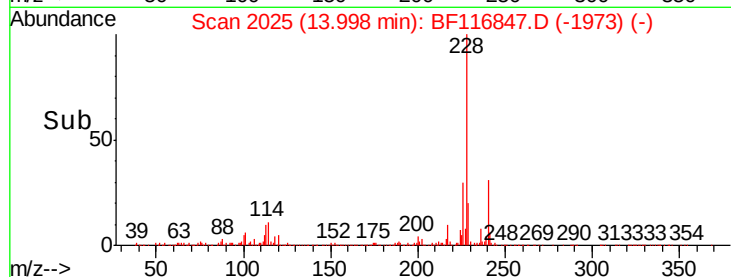
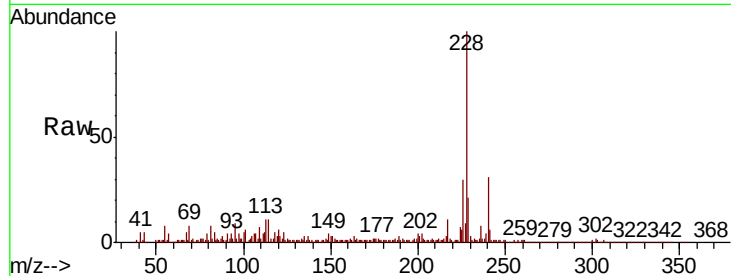
#81
Benzo(a)anthracene
Concen: 23.723 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BF116847.D
Acq: 5 Sep 2019 19:21

Instrument :
BNA_F
ClientSampleId :
SB-30-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.0	33.0
229	21.0	16.4	24.6

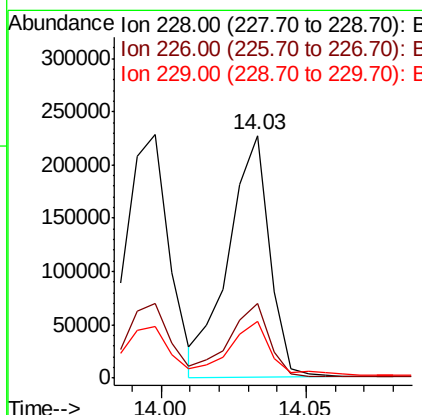
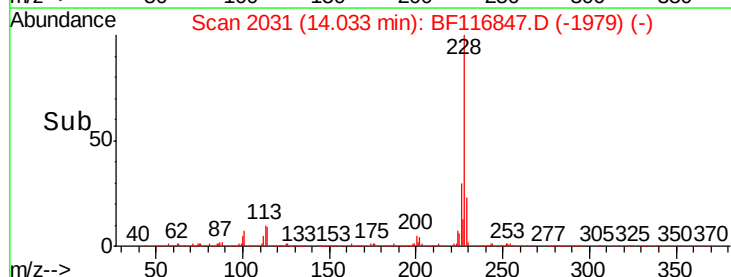
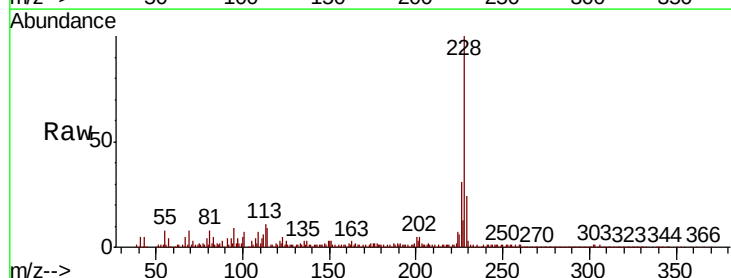
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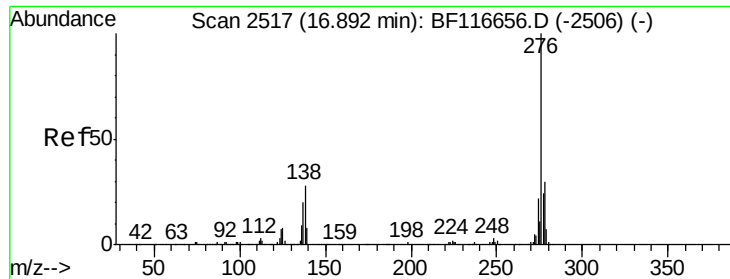
mohammad
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#83
Chrysene
Concen: 21.364 ng m
RT: 14.03 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BF116847.D
Acq: 5 Sep 2019 19:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.0	36.0
229	23.5	15.4	23.0





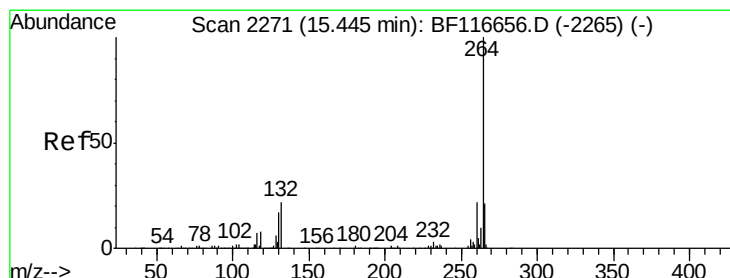
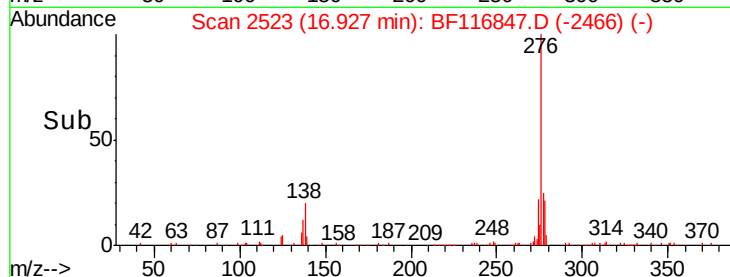
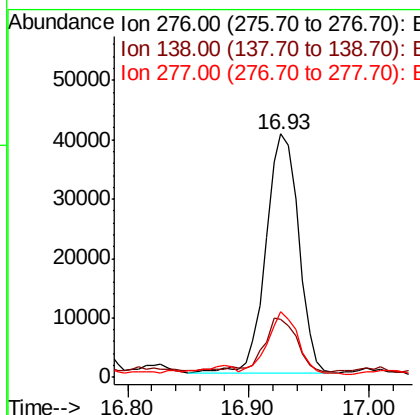
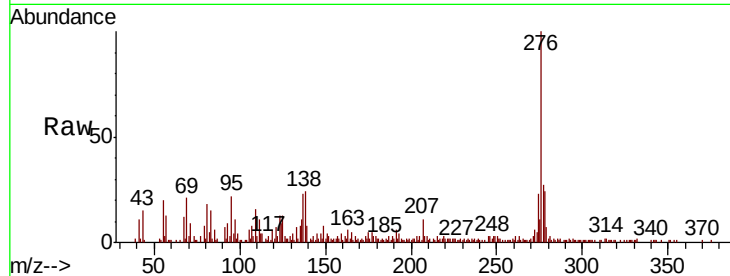
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 8.976 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. 0.04 min
 Lab File: BF116847.D
 Acq: 5 Sep 2019 19:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-30-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.4	19.4	29.2
277	24.5	20.5	30.7

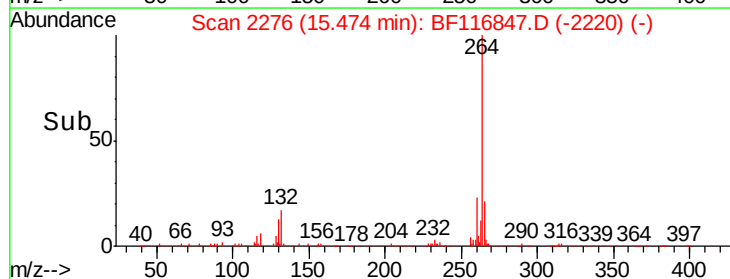
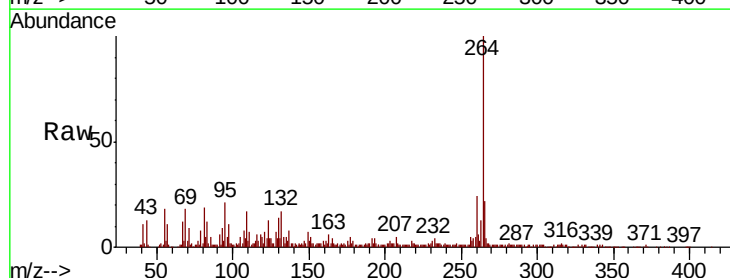
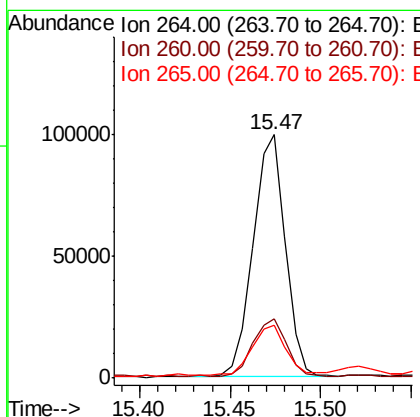
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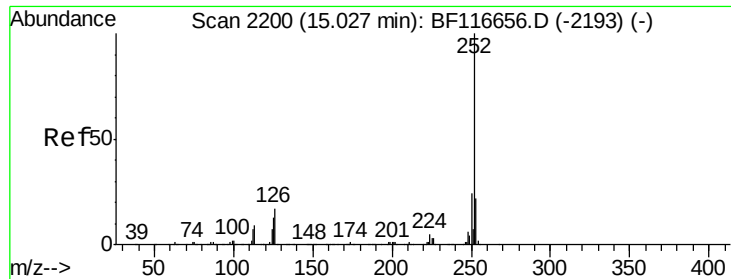
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2276
 Delta R.T. 0.03 min
 Lab File: BF116847.D
 Acq: 5 Sep 2019 19:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.3	27.5
265	21.9	16.5	24.7





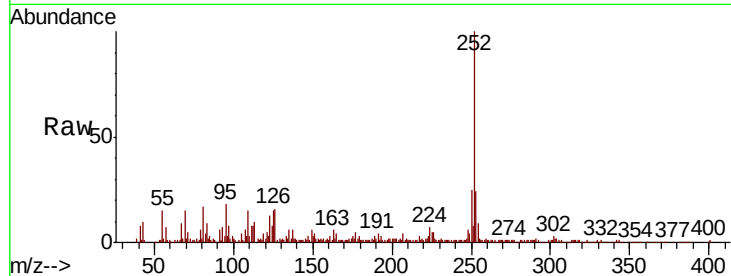
#88
Benzo(b)fluoranthene
Concen: 28.449 ng m
RT: 15.04 min Scan# 2203
Delta R.T. 0.02 min
Lab File: BF116847.D
Acq: 5 Sep 2019 19:21

Instrument :
BNA_F
ClientSampleId :
SB-30-COMP

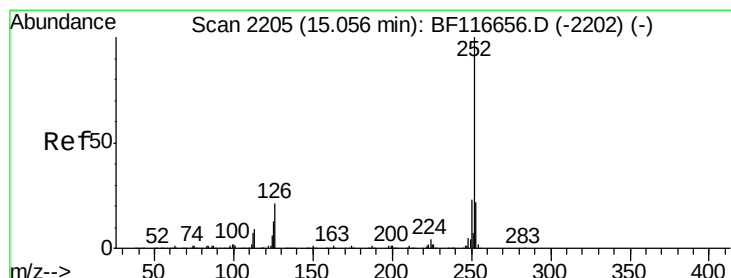
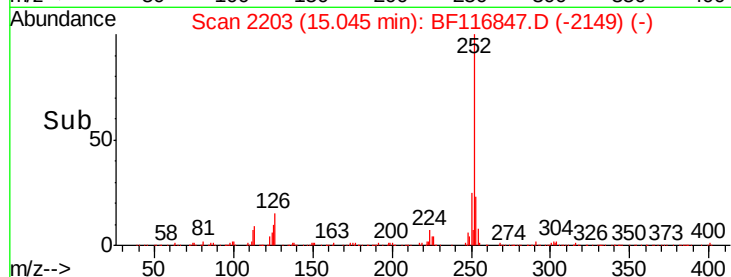
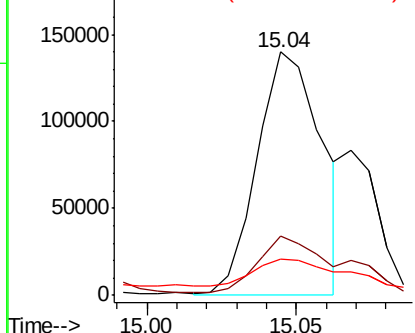
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.7	26.5
125	14.7	8.2	12.2

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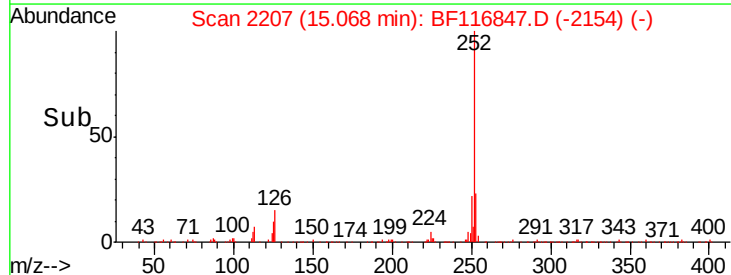
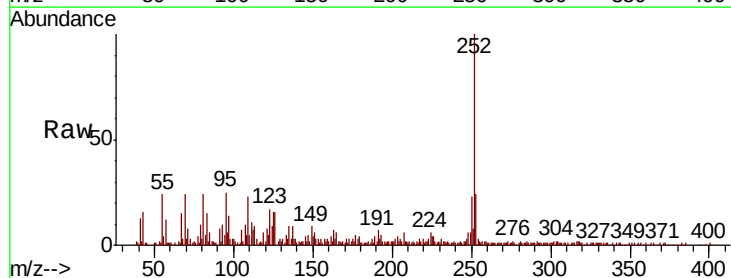
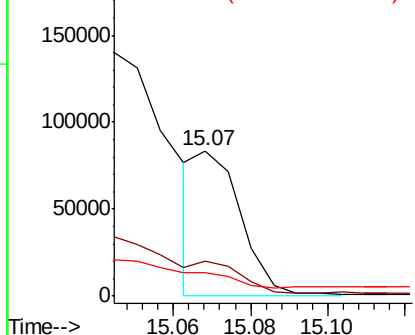
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

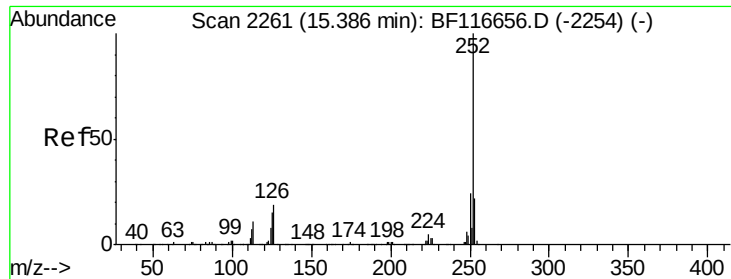


#89
Benzo(k)fluoranthene
Concen: 10.046 ng m
RT: 15.07 min Scan# 2207
Delta R.T. 0.01 min
Lab File: BF116847.D
Acq: 5 Sep 2019 19:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	16.2	8.6	13.0

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





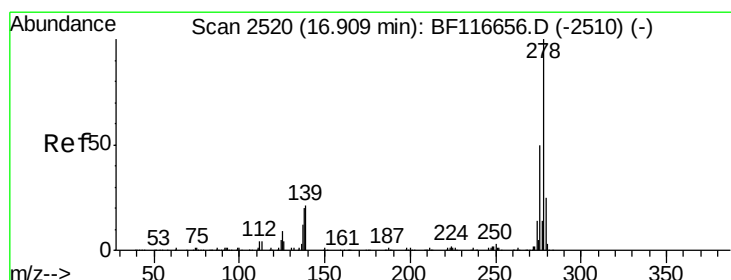
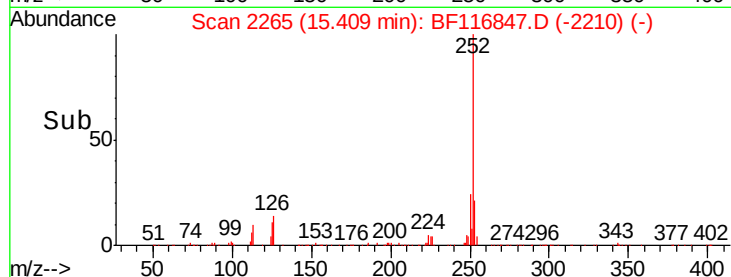
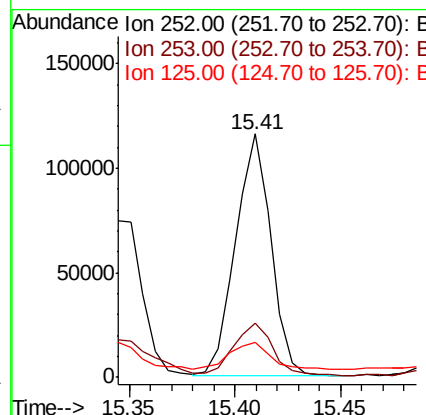
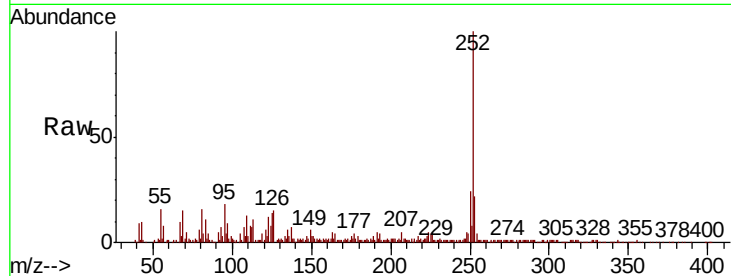
#90
Benzo(a)pyrene
Concen: 20.747 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.02 min
Lab File: BF116847.D
Acq: 5 Sep 2019 19:21

Instrument :
BNA_F
ClientSampleId :
SB-30-COMP

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	22.4	18.1	27.1
125	14.3	9.8	14.8

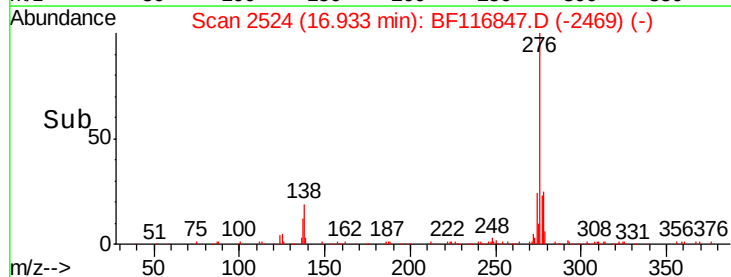
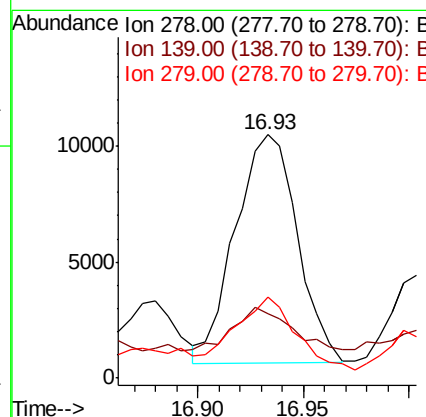
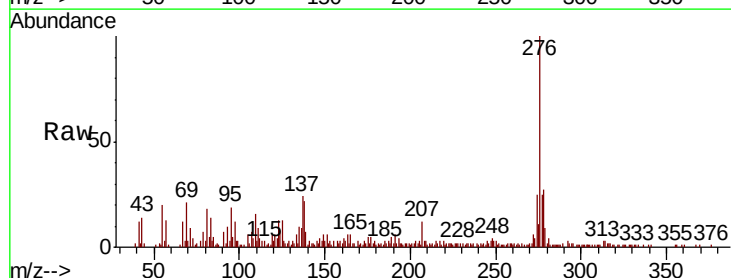
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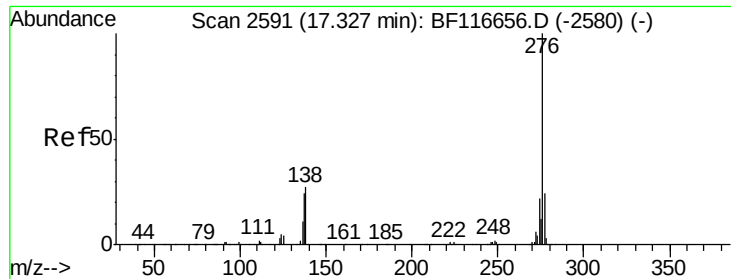
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 3.561 ng
RT: 16.93 min Scan# 2524
Delta R.T. 0.02 min
Lab File: BF116847.D
Acq: 5 Sep 2019 19:21

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	26.4	12.4	18.6#
279	33.5	18.2	27.4#





#92
 Benzo(a,h,i)perylene
 Concen: 12.783 ng
 RT: 17.37 min Scan# 2598
 Delta R.T. 0.04 min
 Lab File: BF116847.D
 Acq: 5 Sep 2019 19:21

Instrument :
 BNA_F
 ClientSampleId :
 SB-30-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.5	27.7
138	23.1	16.2	24.2

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