

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
 Data File : BF116858.D
 Acq On : 6 Sep 2019 13:33
 Operator : HP/JU
 Sample : K4650-09
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Manual Integrations
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mohammad
 9/12/2019 9:11:37 AM

Quant Time: Sep 07 04:16:39 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	78835	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	310820	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	159669	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	266749	20.00	ng	0.00
76) Chrysene-d12	14.00	240	171034	20.00	ng	0.00
87) Perylene-d12	15.46	264	174674	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	657661	135.15	ng	0.01
7) Phenol-d6	6.49	99	897234	140.42	ng	0.00
23) Nitrobenzene-d5	7.41	82	566879	104.12	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	188777	176.85	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	917954	96.98	ng	0.00
79) Terphenyl-d14	12.95	244	888414	96.09	ng	0.00
Target Compounds						
10) Phenol	6.49	94	26426	3.735	ng	Qvalue # 77
50) Dimethylphthalate	9.59	163	151350	13.730	ng	98
52) Acenaphthene	9.91	154	29991	3.365	ng	99
58) Fluorene	10.43	166	27383	2.860	ng	95
71) Phenanthrene	11.39	178	636790	42.885	ng	99
72) Anthracene	11.44	178	108985	7.291	ng	97
73) Carbazole	11.59	167	78037	5.481	ng	99
75) Fluoranthene	12.58	202	985505	67.533	ng	98
78) Pyrene	12.81	202	837464	55.083	ng	98
81) Benzo(a)anthracene	13.99	228	322327	29.777	ng	98
83) Chrysene	14.03	228	315010	28.247	ng	98
86) Indeno(1,2,3-cd)pyrene	16.92	276	180531	20.154	ng	97
88) Benzo(b)fluoranthene	15.04	252	376721m	35.673	ng	
89) Benzo(k)fluoranthene	15.06	252	100985m	10.488	ng	
90) Benzo(a)pyrene	15.40	252	245643	26.736	ng	99
91) Dibenzo(a,h)anthracene	16.92	278	40206	4.999	ng	# 84
92) Benzo(a,h,i)perylene	17.36	276	175668	21.418	ng	98

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

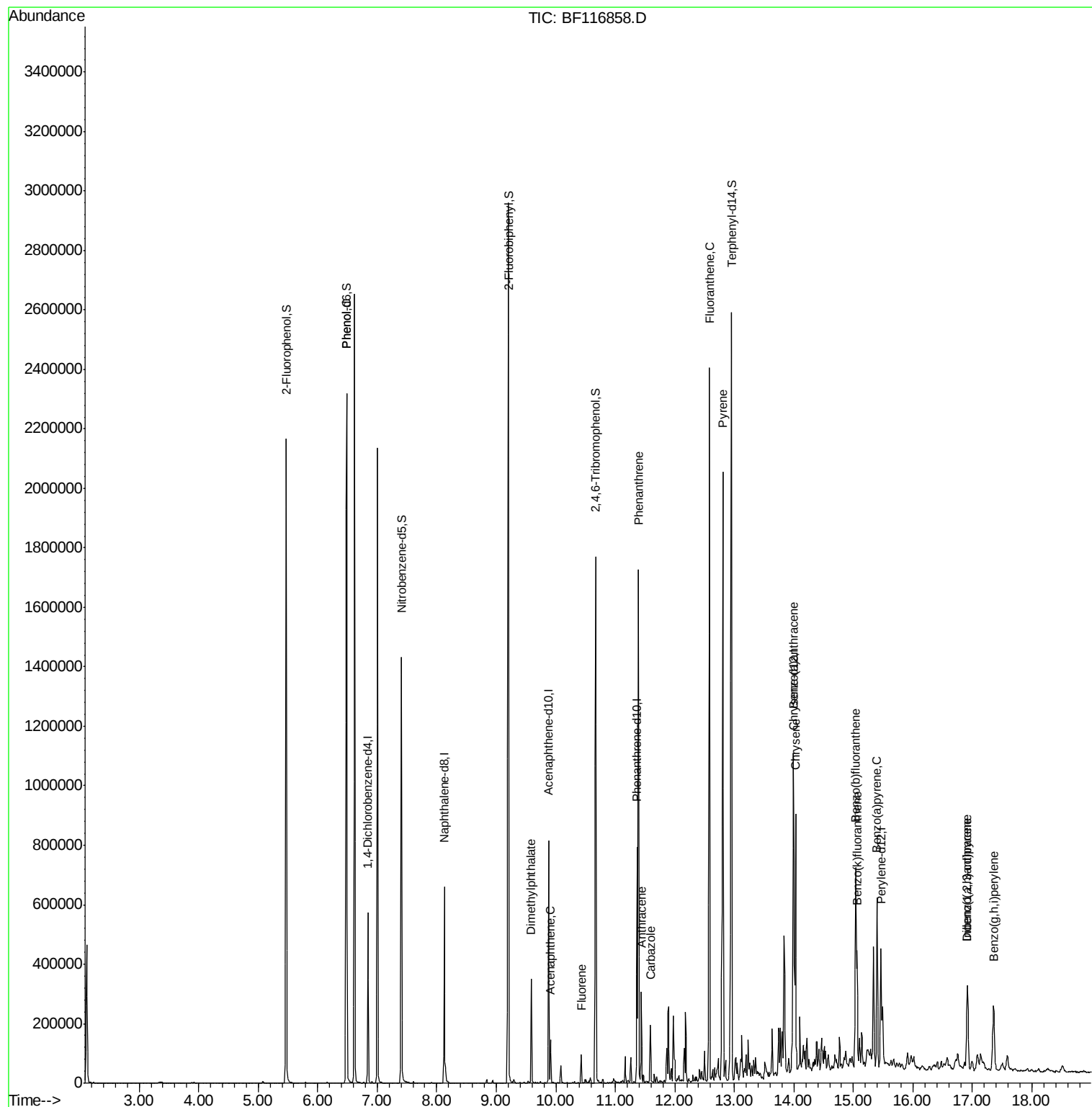
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
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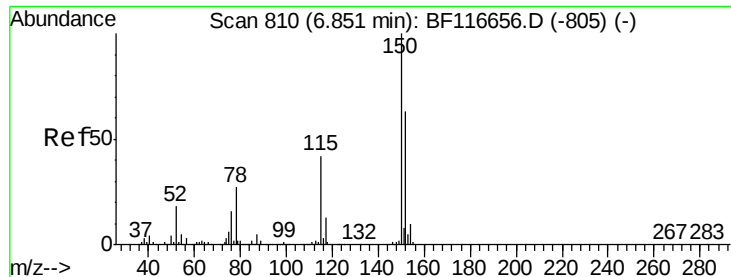
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#1

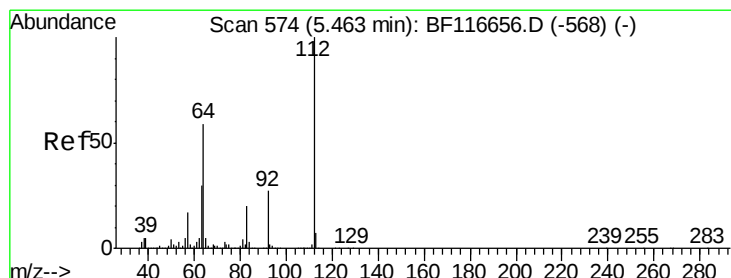
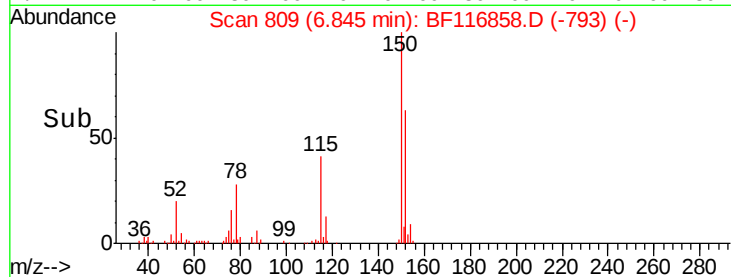
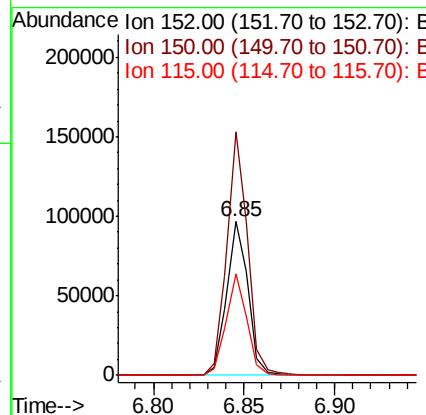
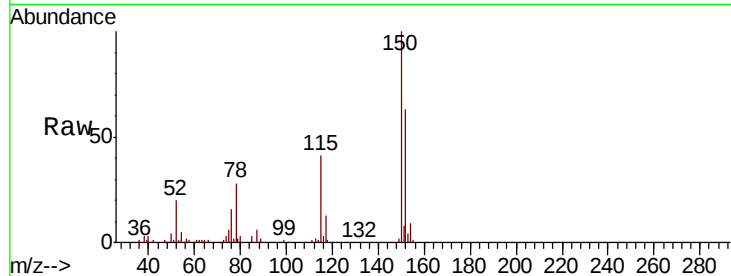
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116858.D
Acq: 6 Sep 2019 13:33

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.4	186.6
115	65.7	49.9	74.9

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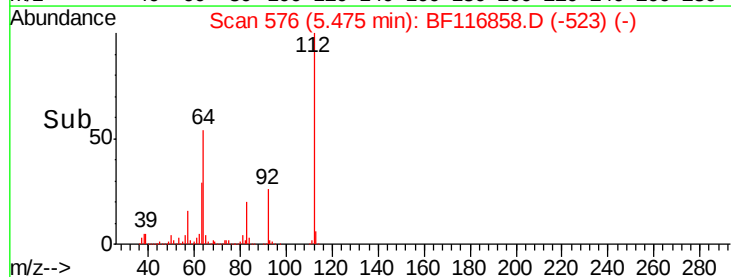
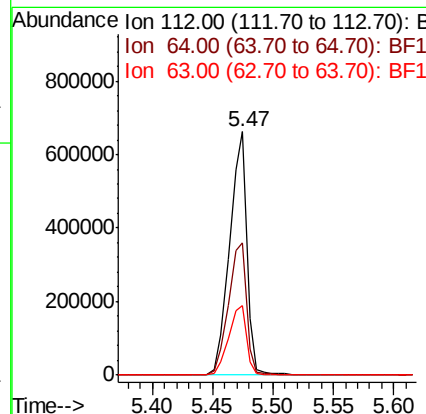
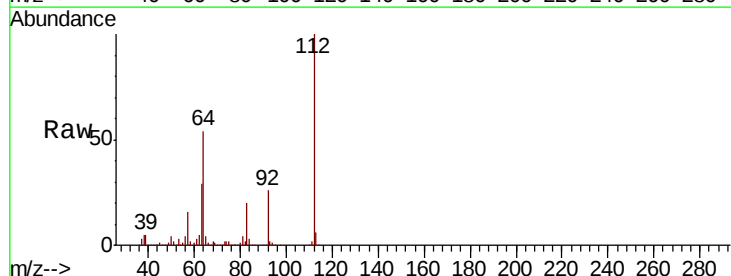
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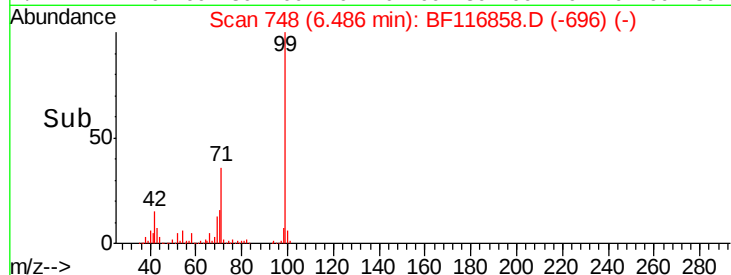
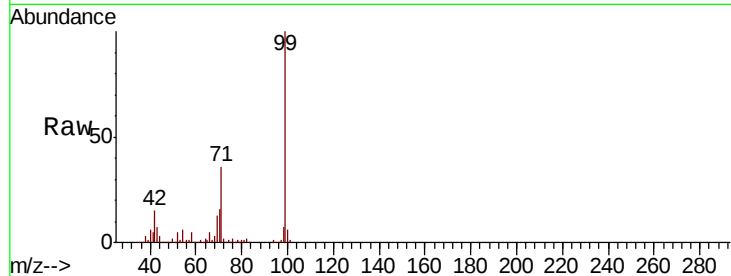


#5

2-Fluorophenol
Concen: 135.149 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF116858.D
Acq: 6 Sep 2019 13:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	47.1	70.7
63	28.8	24.9	37.3





#7

Phenol-d6

Concen: 140.416 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF116858.D

Acq: 6 Sep 2019 13:33

Tot Ion:	99	Resp:	897234
Ion Ratio	Lower	Upper	
99	100		
42	15.1	13.7	20.5
71	36.2	30.8	46.2

Instrument :

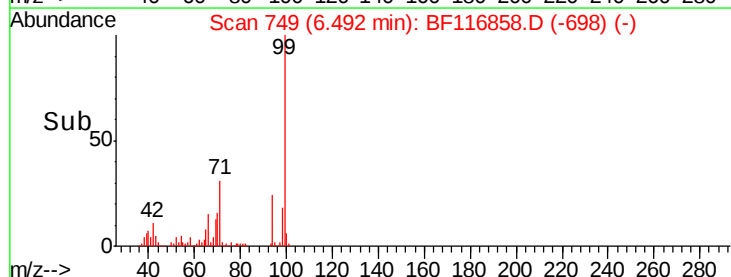
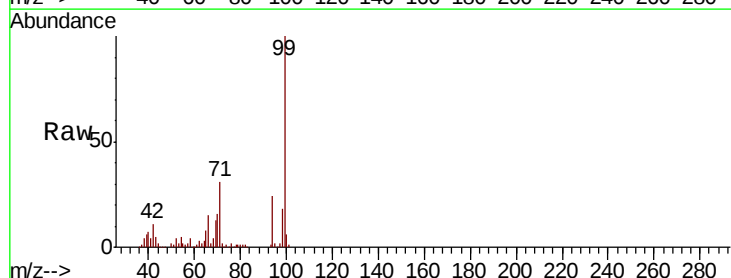
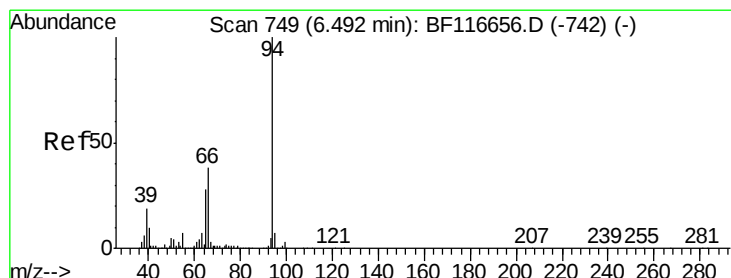
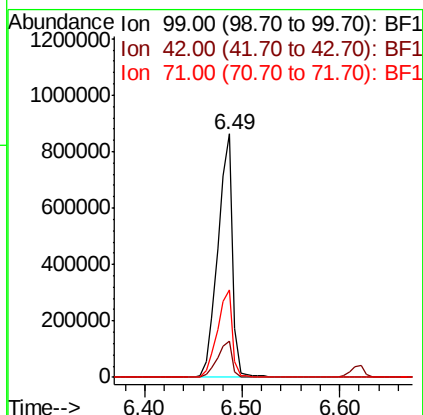
BNA_F

ClientSampled :

TP-5

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#10

Phenol

Concen: 3.735 ng

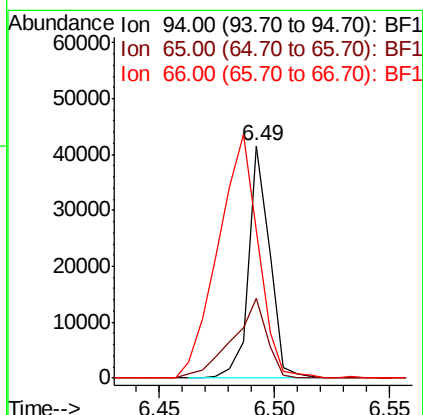
RT: 6.49 min Scan# 749

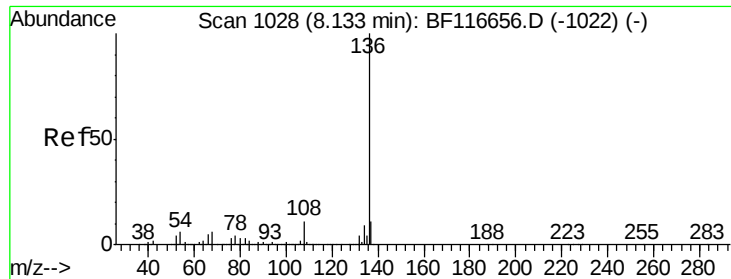
Delta R.T. -0.00 min

Lab File: BF116858.D

Acq: 6 Sep 2019 13:33

Tgt Ion:	94	Resp:	26426
Ion Ratio	Lower	Upper	
94	100		
65	34.6	10.8	50.8
66	63.4	21.1	61.1#





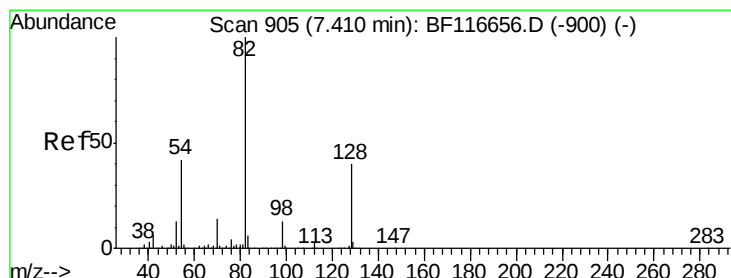
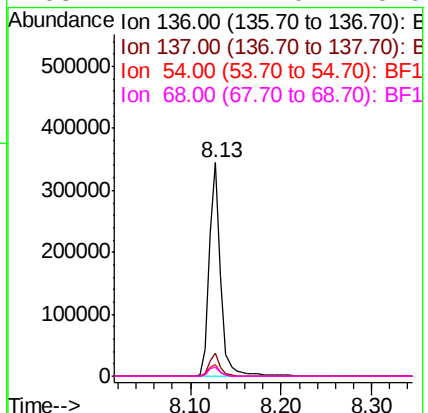
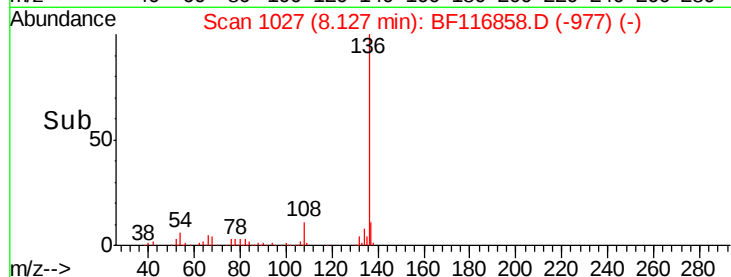
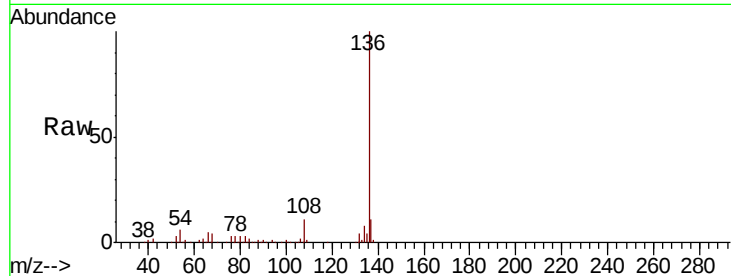
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116858.D
Acq: 6 Sep 2019 13:33

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		310820		
137	11.0		8.9	13.3	
54	5.7		4.8	7.2	
68	4.4		4.0	6.0	

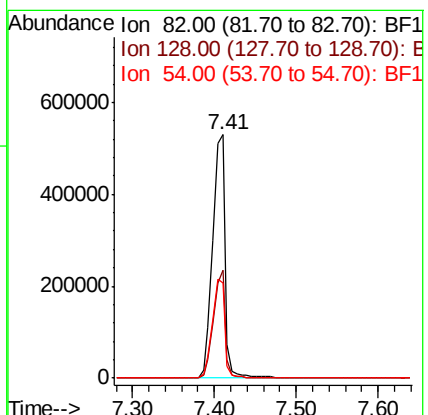
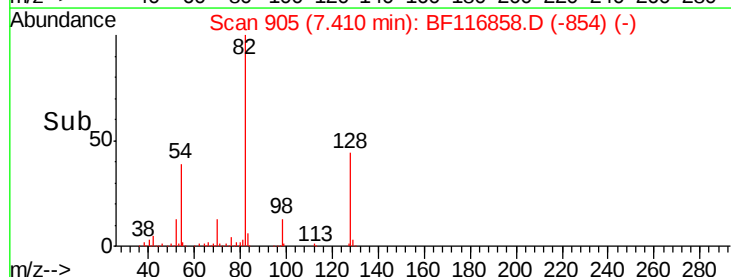
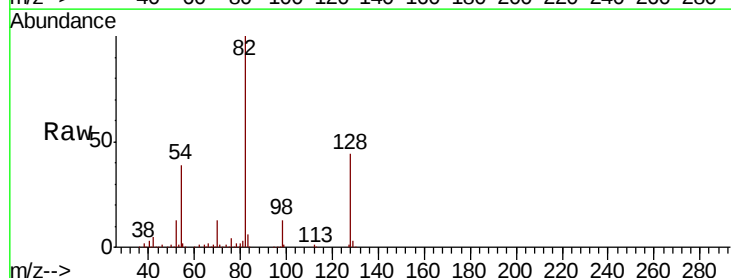
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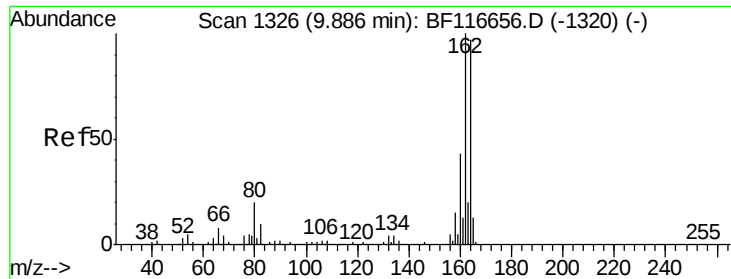
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#23
Nitrobenzene-d5
Concen: 104.117 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.00 min
Lab File: BF116858.D
Acq: 6 Sep 2019 13:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		566879		
128	44.2		32.8	49.2	
54	39.3		36.9	55.3	





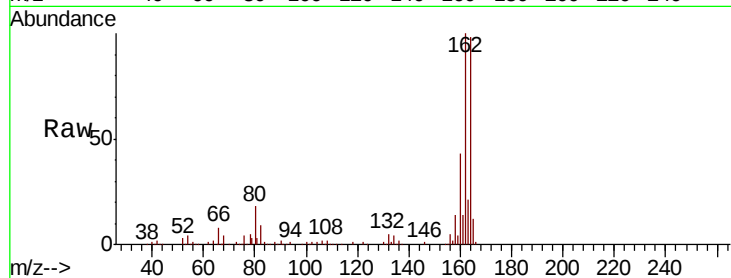
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116858.D
Acq: 6 Sep 2019 13:33

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ratio	Resp	Lower	Upper
164	100	159669		
162	102.1	81.4	122.0	
160	43.5	35.4	53.2	

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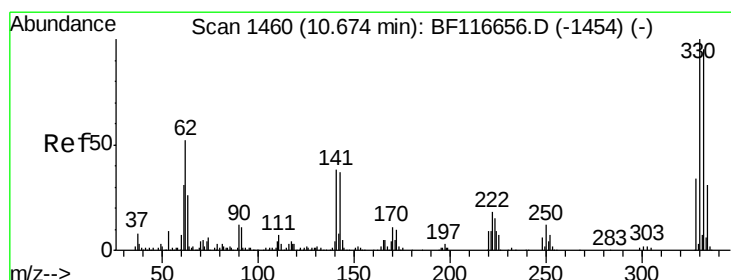
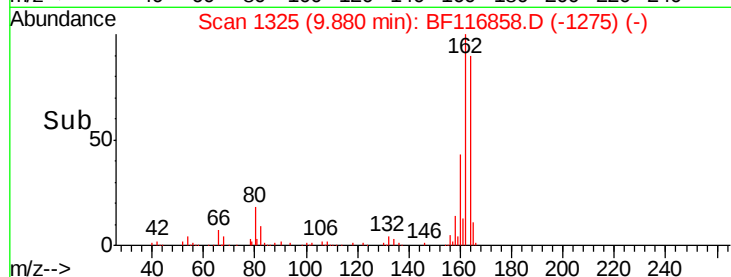
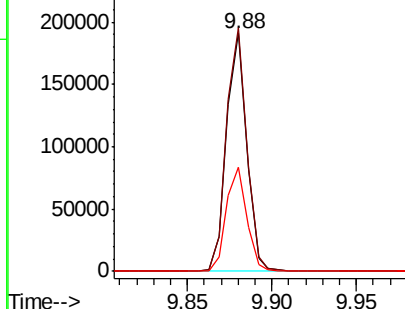


Abundance

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: 176.853 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF116858.D
Acq: 6 Sep 2019 13:33

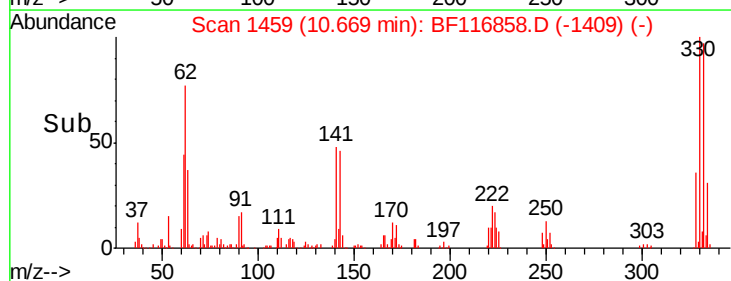
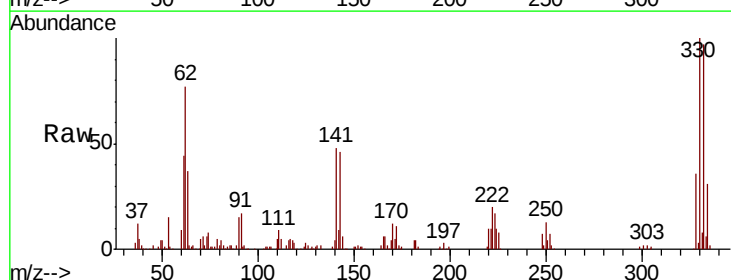
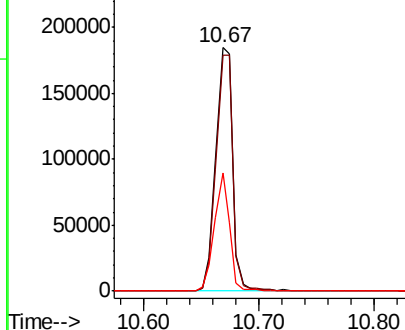
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	188777		
332	96.7	76.9	115.3	
141	43.2	31.4	47.2	

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





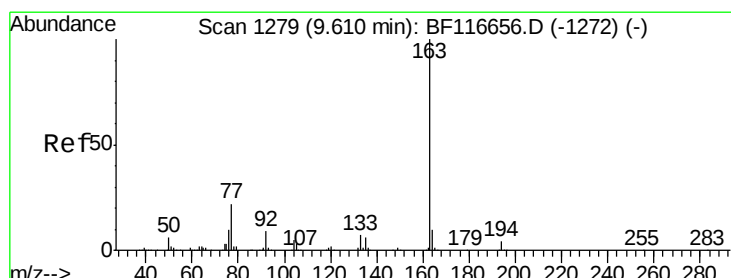
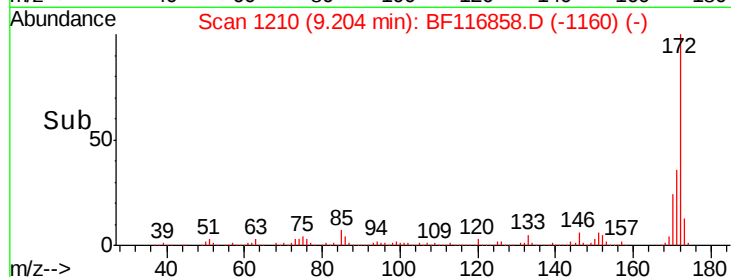
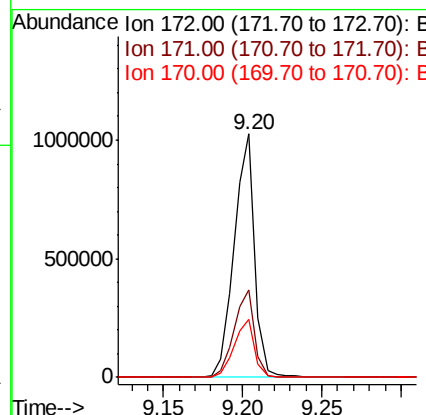
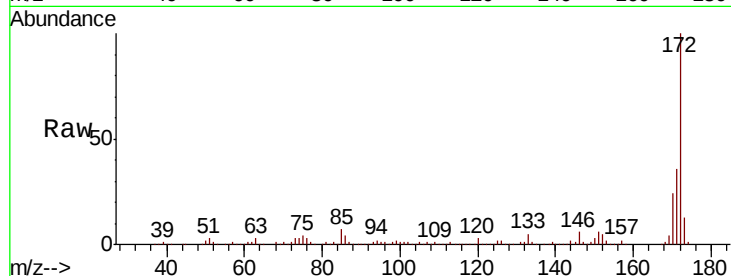
#45
2-Fluorobiphenyl
Concen: 96.981 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF116858.D
Acq: 6 Sep 2019 13:33

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ratio	Resp	Lower	Upper
172	100	917954		
171	35.7		27.8	41.6
170	23.8		18.9	28.3

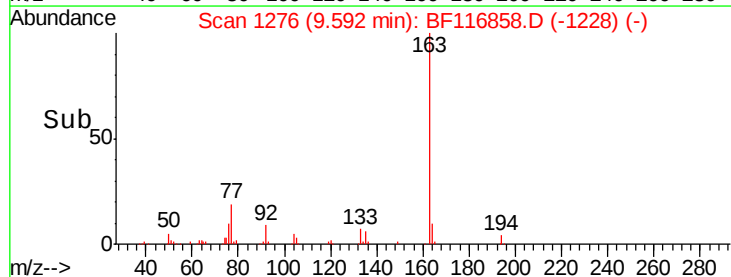
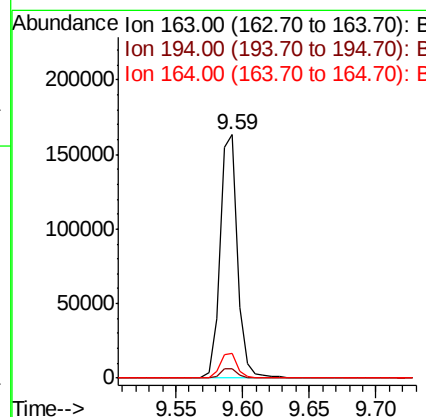
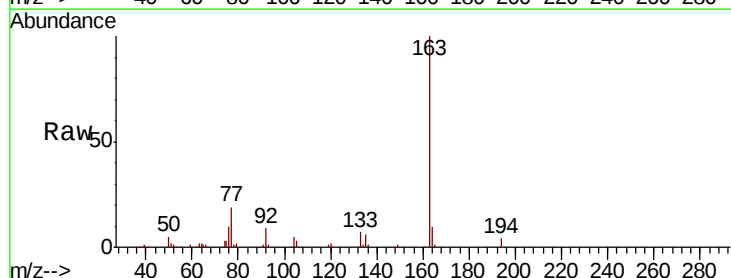
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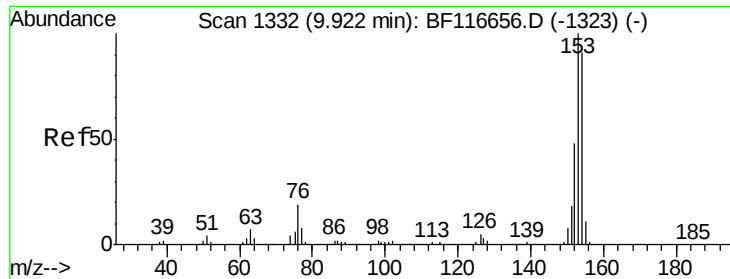
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#50
Dimethylphthalate
Concen: 13.730 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116858.D
Acq: 6 Sep 2019 13:33

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	151350		
194	3.9		2.8	4.2
164	10.0		8.6	12.8





#52

Acenaphthene

Concen: 3.365 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF116858.D

Acq: 6 Sep 2019 13:33

Instrument :

BNA_F

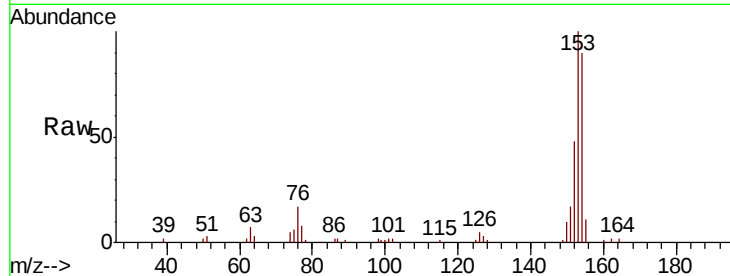
ClientSampled :

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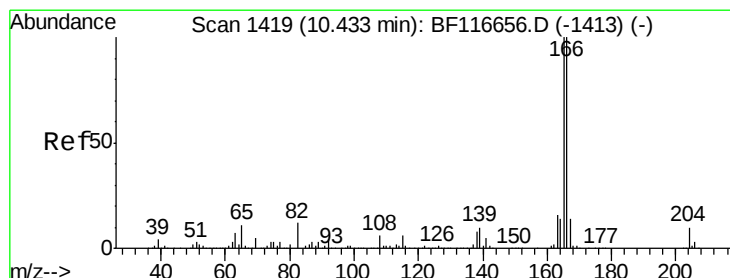
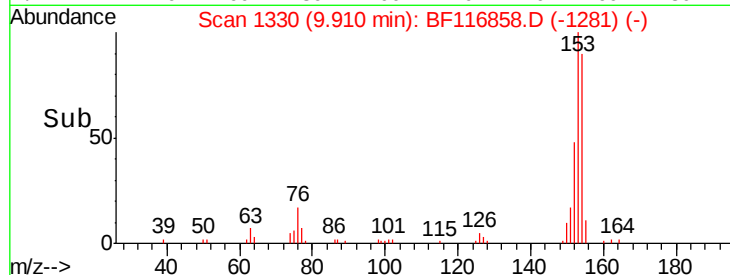
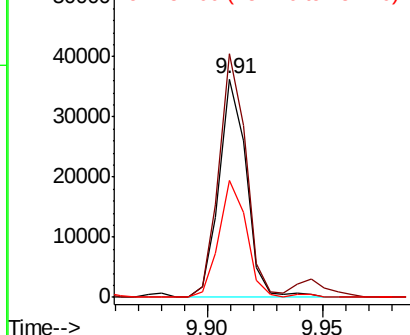
Tot Ion:	154	Resp:	29991
Ion Ratio	Lower	Upper	
154	100		
153	111.5	89.5	134.3
152	53.7	41.9	62.9

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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: 2.860 ng

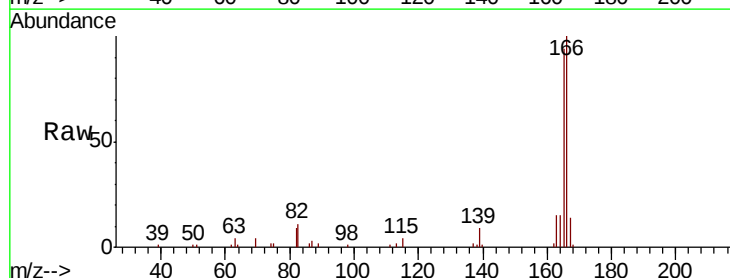
RT: 10.43 min Scan# 1418

Delta R.T. -0.01 min

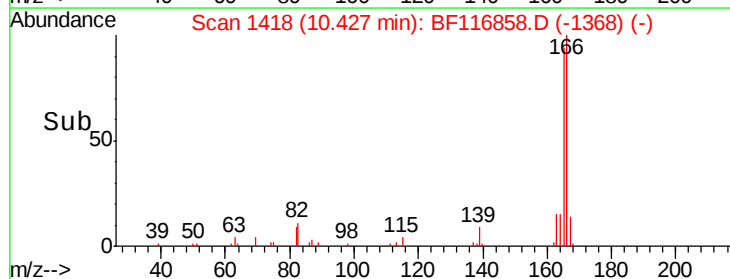
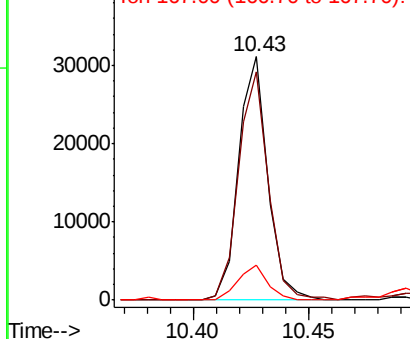
Lab File: BF116858.D

Acq: 6 Sep 2019 13:33

Tgt Ion:	166	Resp:	27383
Ion Ratio	Lower	Upper	
166	100		
165	93.7	78.8	118.2
167	14.2	10.0	15.0



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





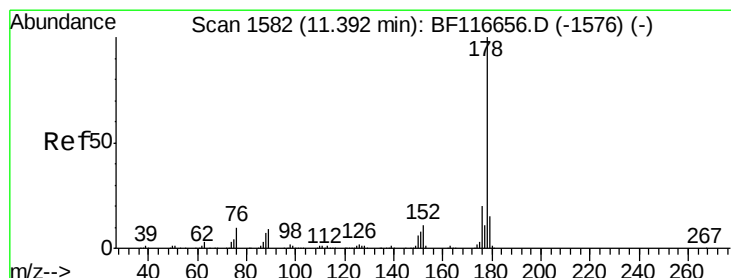
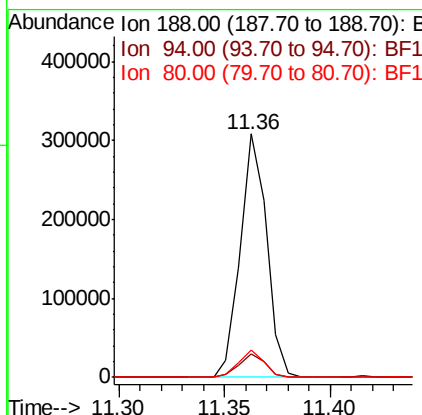
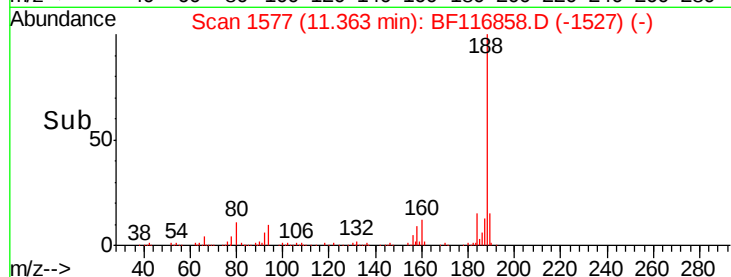
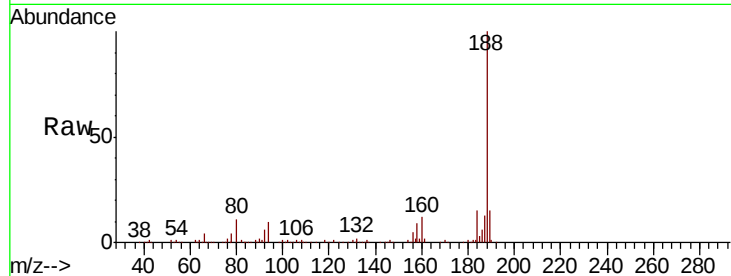
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116858.D
Acq: 6 Sep 2019 13:33

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.8	7.3	10.9
80	11.1	8.4	12.6

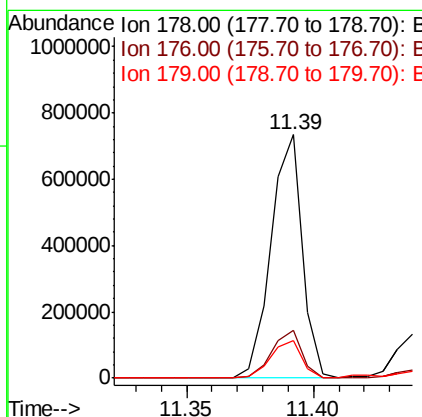
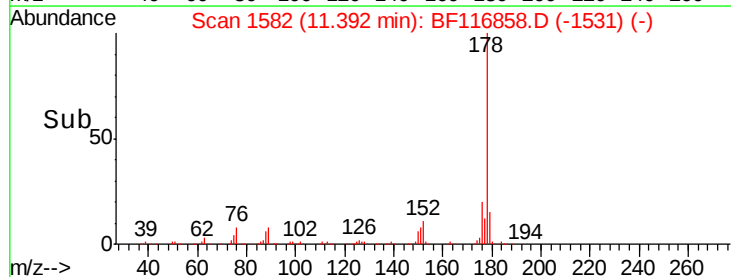
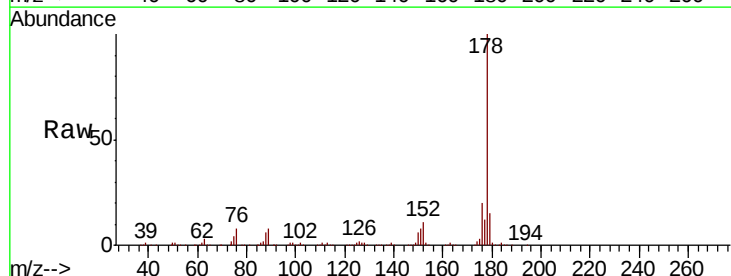
Manual Integrations
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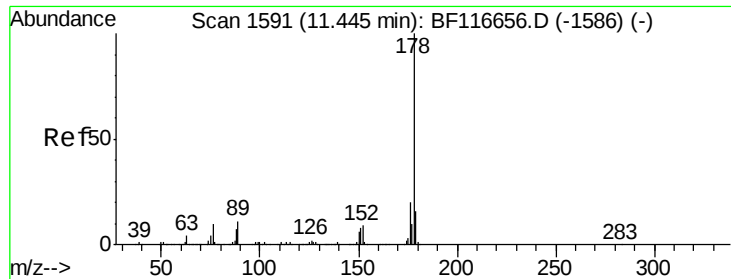
mohammad
9/12/2019 9:11:37 AM



#71
Phenanthrene
Concen: 42.885 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.00 min
Lab File: BF116858.D
Acq: 6 Sep 2019 13:33

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.5	15.4	23.0
179	15.3	12.2	18.2





#72

Anthracene

Concen: 7.291 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.00 min

Lab File: BF116858.D

Acq: 6 Sep 2019 13:33

Instrument :

BNA_F

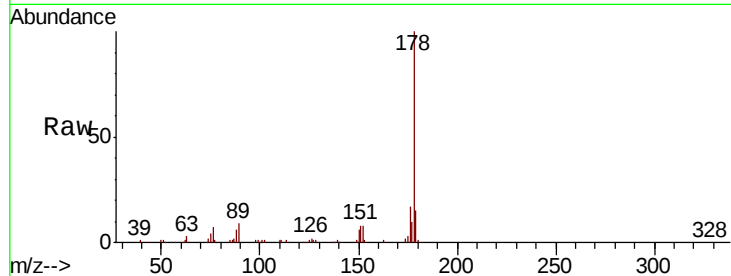
ClientSampled :

TP-5

Tot Ion:	178	Resp:	108985
Ion Ratio	Lower	Upper	
178	100		
176	17.3	15.4	23.0
179	15.2	12.5	18.7

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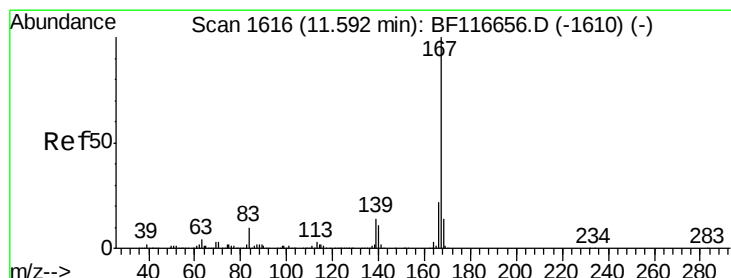
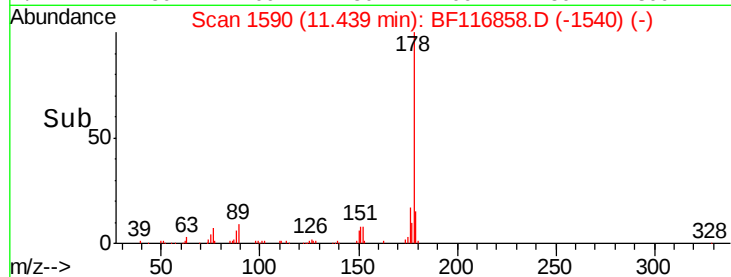
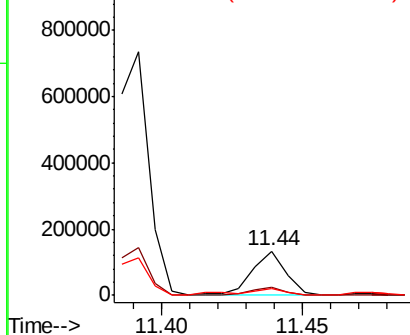


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 5.481 ng

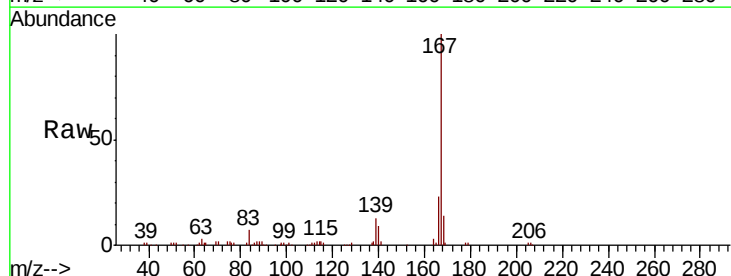
RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: BF116858.D

Acq: 6 Sep 2019 13:33

Tgt Ion:	167	Resp:	78037
Ion Ratio	Lower	Upper	
167	100		
166	22.6	17.8	26.6
139	13.3	11.1	16.7

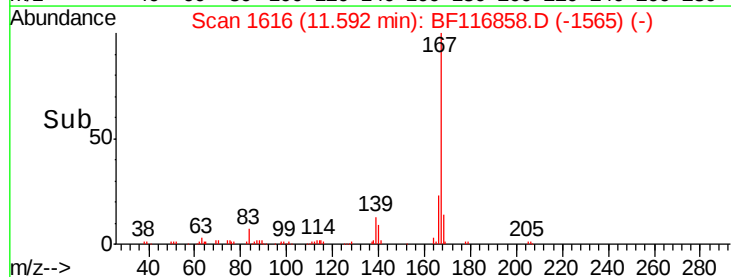
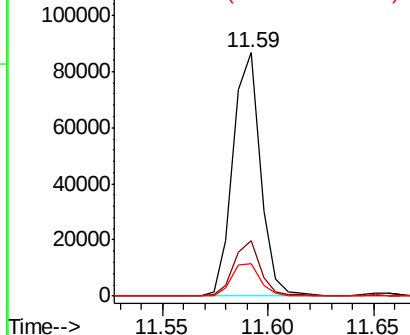


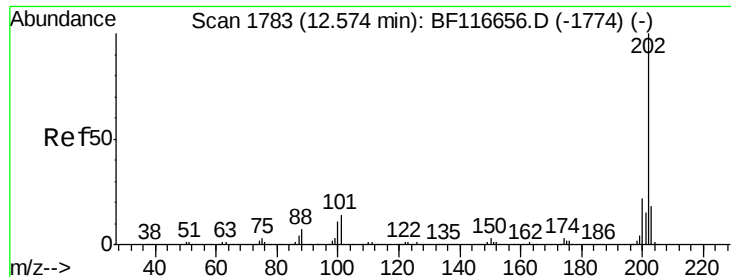
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 67.533 ng

RT: 12.58 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF116858.D

Acq: 6 Sep 2019 13:33

Instrument :

BNA_F

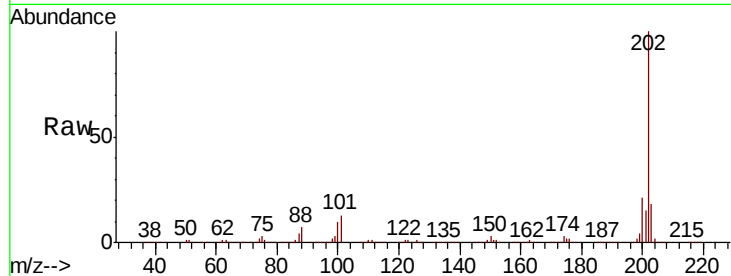
ClientSampled :

TP-5

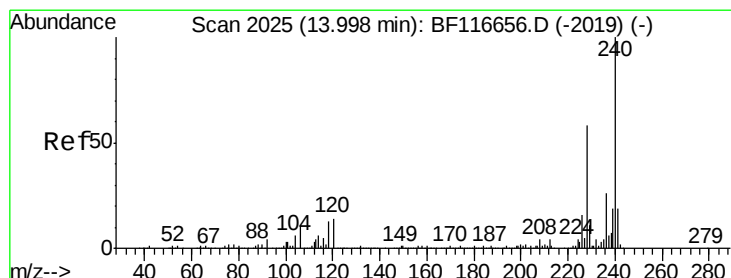
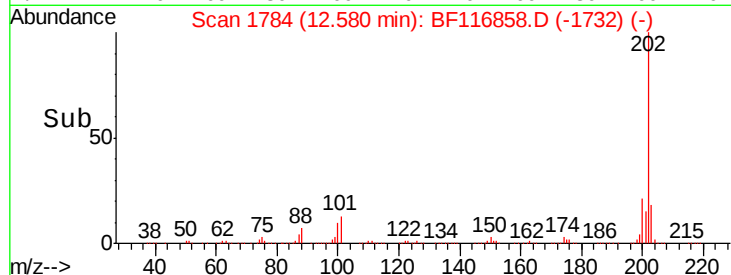
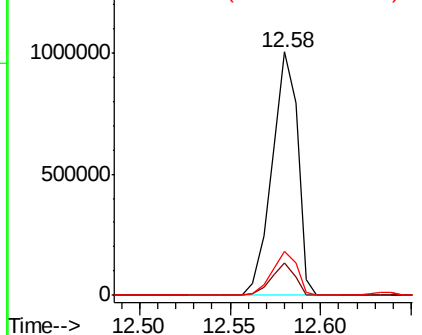
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		985505		
101	13.3	0.0	31.3		
203	17.9	0.0	37.6		

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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

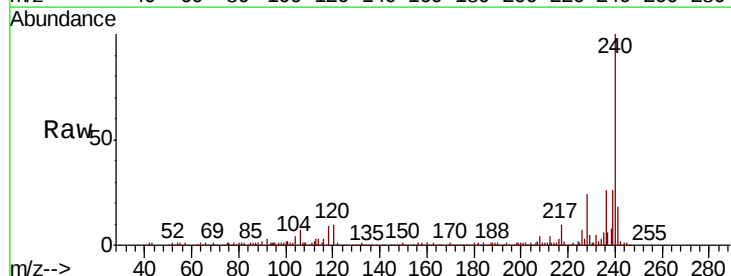
RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

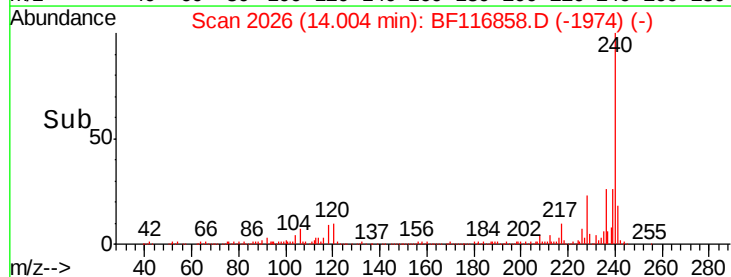
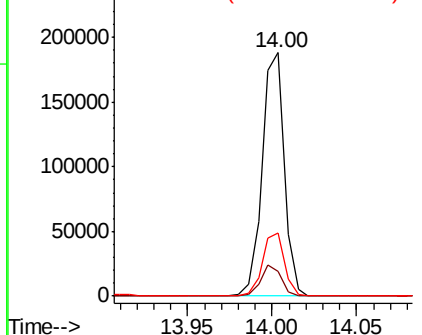
Lab File: BF116858.D

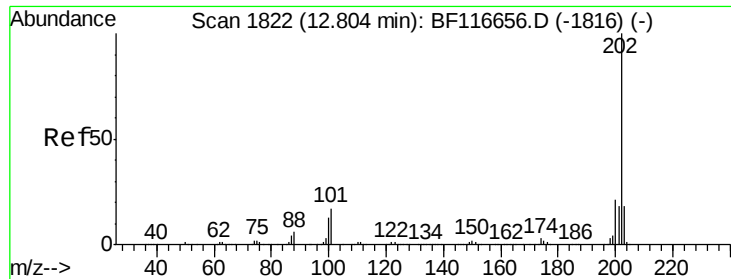
Acq: 6 Sep 2019 13:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		171034		
120	10.0	9.1	13.7		
236	25.9	21.1	31.7		



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





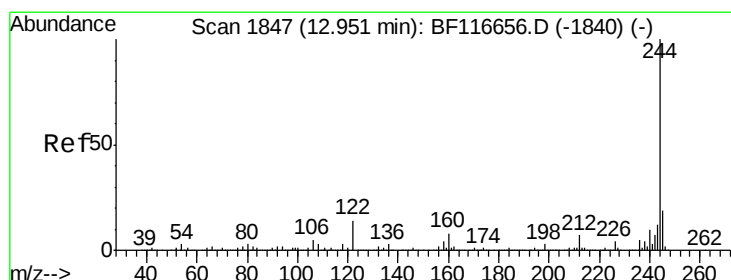
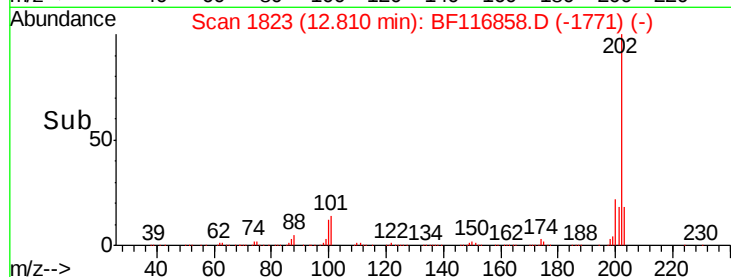
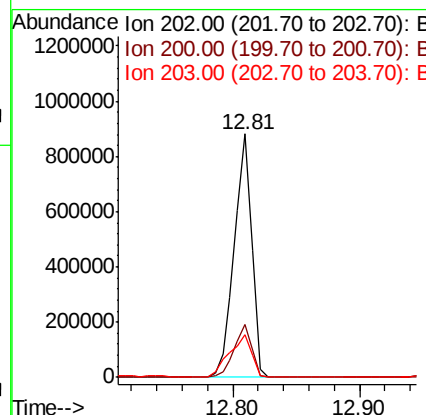
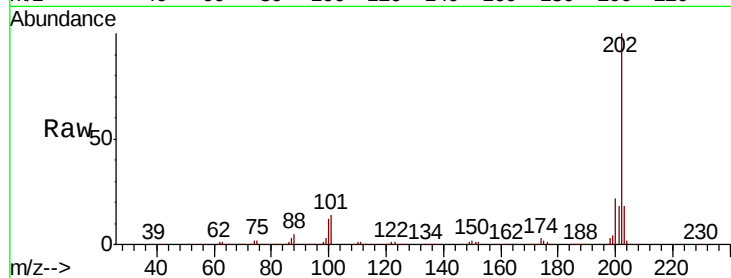
#78
Pvrene
Concen: 55.083 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.01 min
Lab File: BF116858.D
Acq: 6 Sep 2019 13:33

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.5	24.7
203	17.7	13.7	20.5

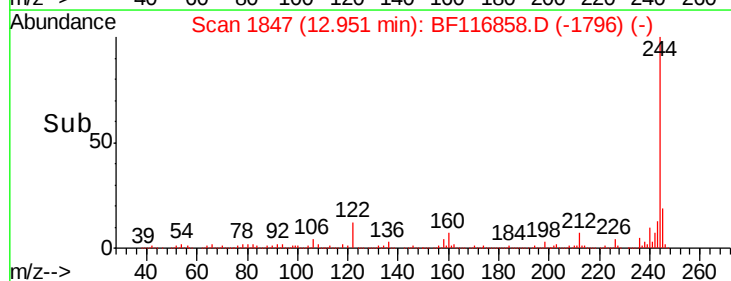
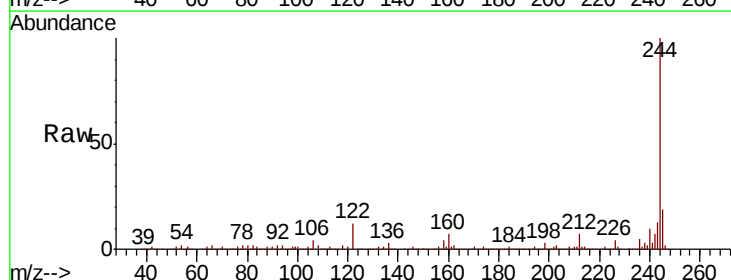
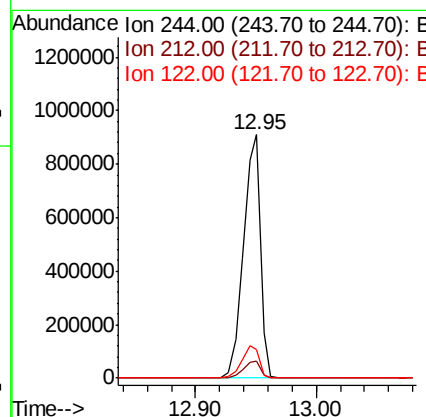
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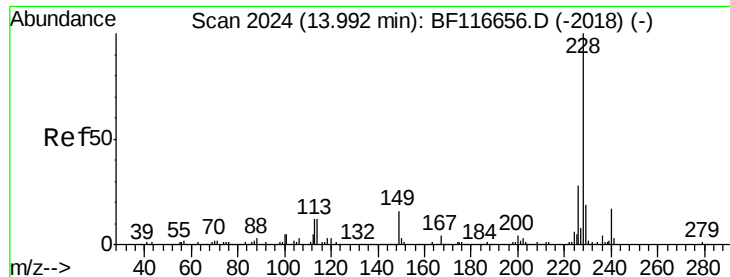
mohammad
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#79
Terphenyl-d14
Concen: 96.093 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.00 min
Lab File: BF116858.D
Acq: 6 Sep 2019 13:33

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.1	9.1
122	11.8	10.2	15.4





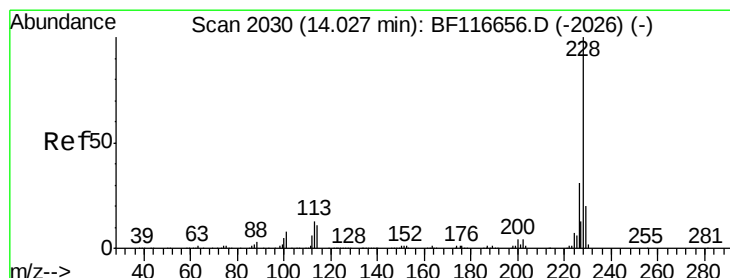
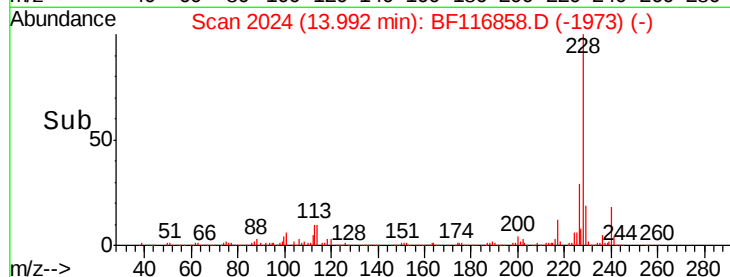
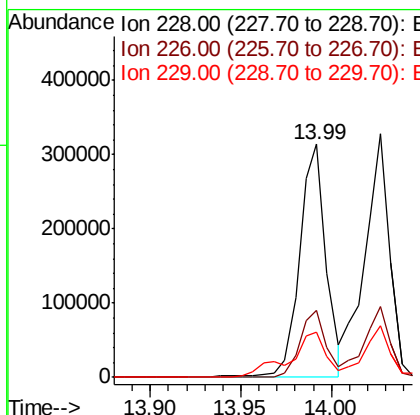
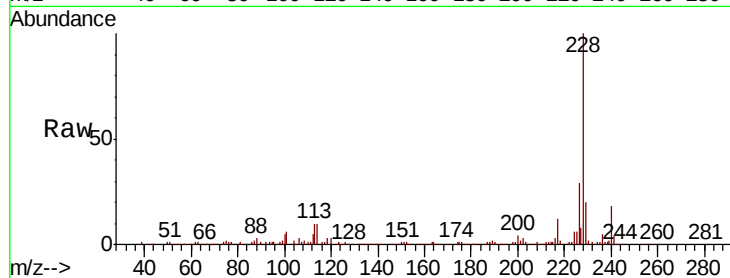
#81
Benzo(a)anthracene
Concen: 29.777 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BF116858.D
Acq: 6 Sep 2019 13:33

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.0	33.0
229	19.7	16.4	24.6

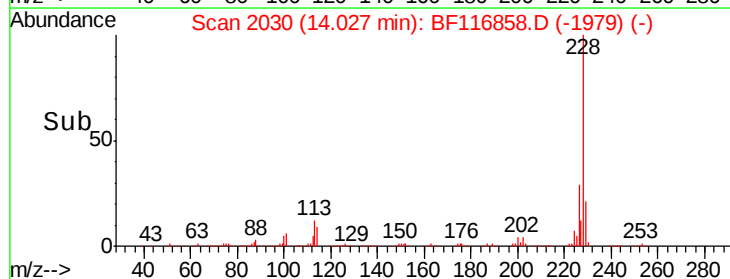
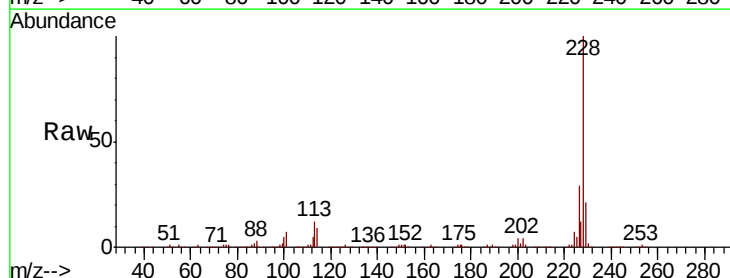
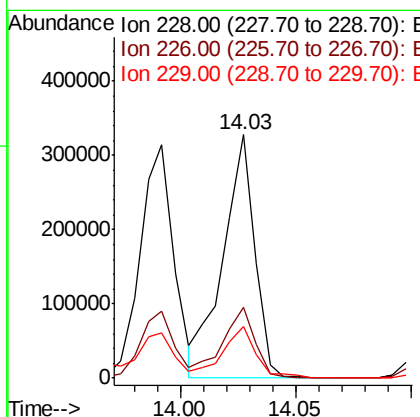
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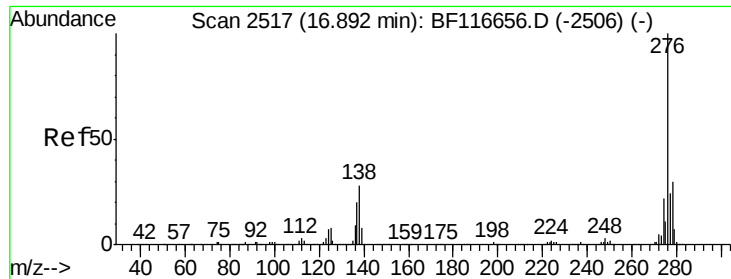
mohammad
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#83
Chrysene
Concen: 28.247 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.00 min
Lab File: BF116858.D
Acq: 6 Sep 2019 13:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.0	36.0
229	21.0	15.4	23.0





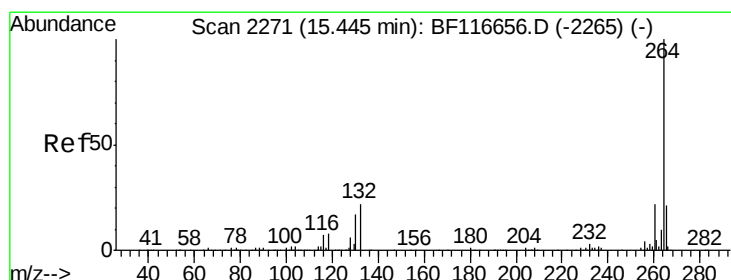
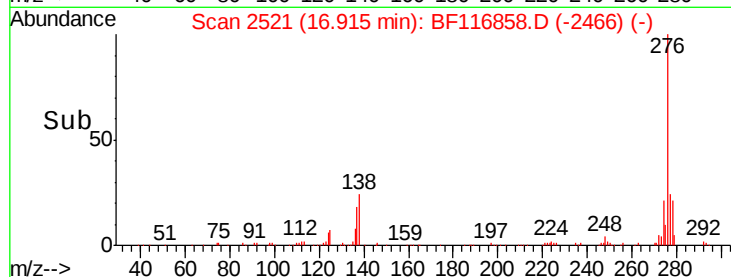
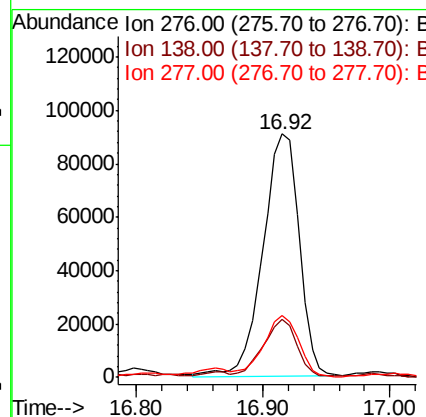
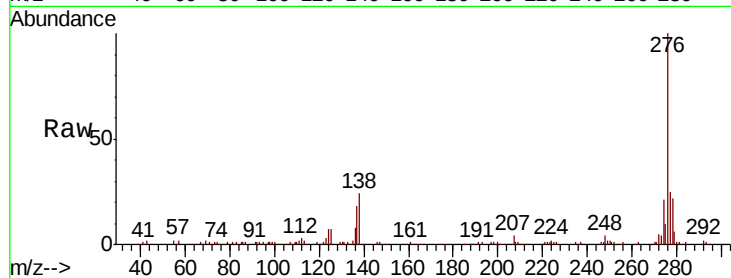
#86
Indeno(1,2,3-cd)pyrene
Concen: 20.154 ng
RT: 16.92 min Scan# 2521
Delta R.T. 0.02 min
Lab File: BF116858.D
Acq: 6 Sep 2019 13:33

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
138	21.9	19.4	29.2		
277	25.0	20.5	30.7		

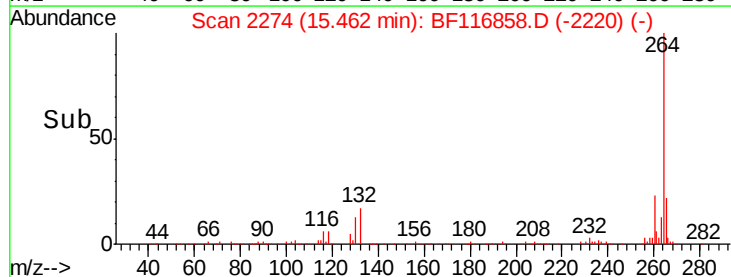
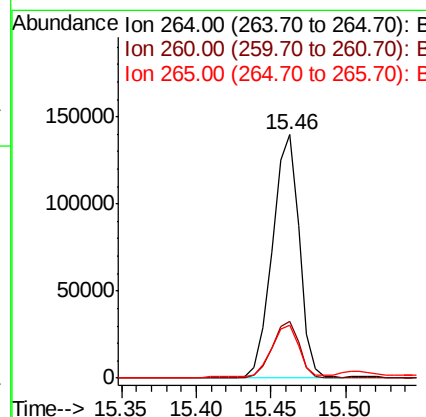
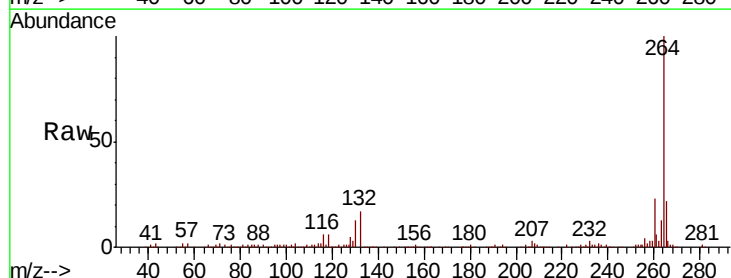
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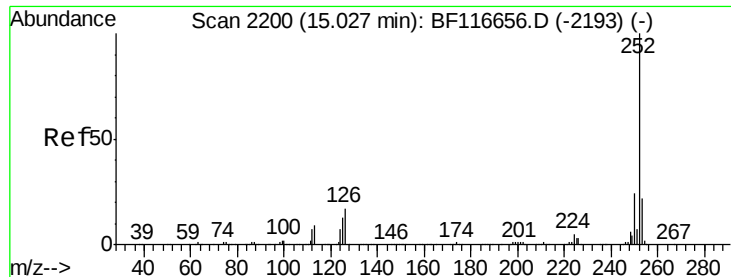
mohammad
9/12/2019 9:11:37 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.02 min
Lab File: BF116858.D
Acq: 6 Sep 2019 13:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
264	100				
260	23.4	18.3	27.5		
265	21.9	16.5	24.7		





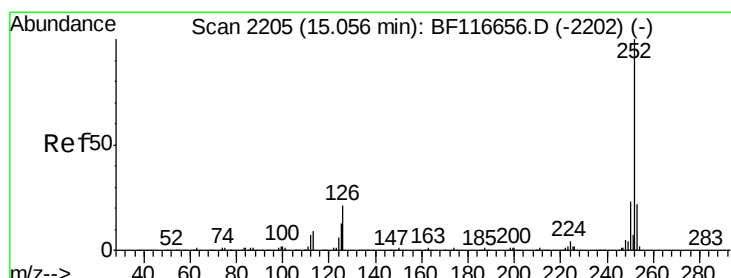
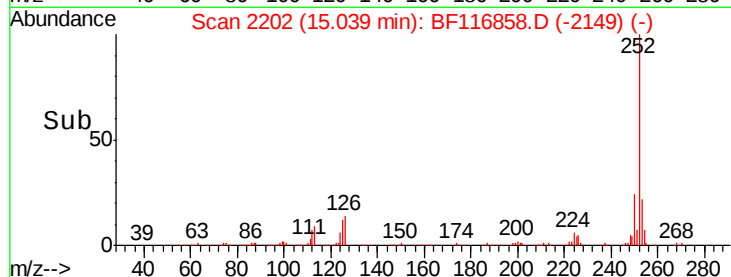
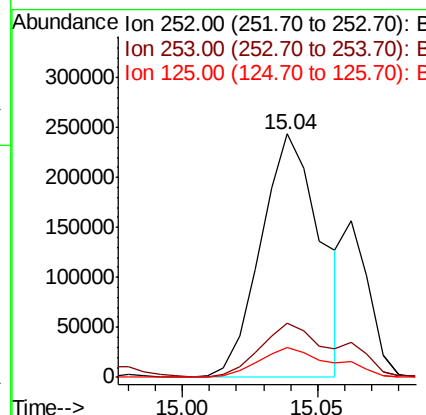
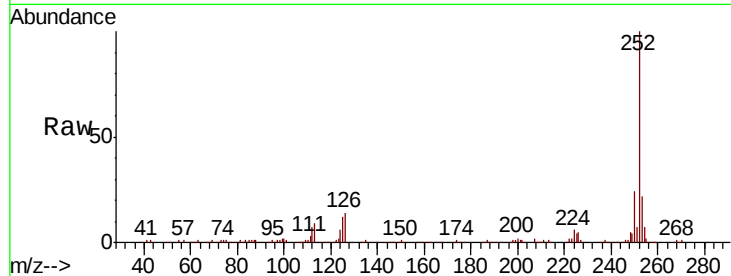
#88
Benzo(b)fluoranthene
Concen: 35.673 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF116858.D
Acq: 6 Sep 2019 13:33

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	12.1	8.2	12.2

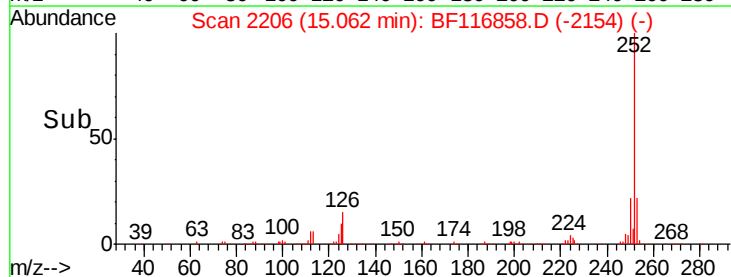
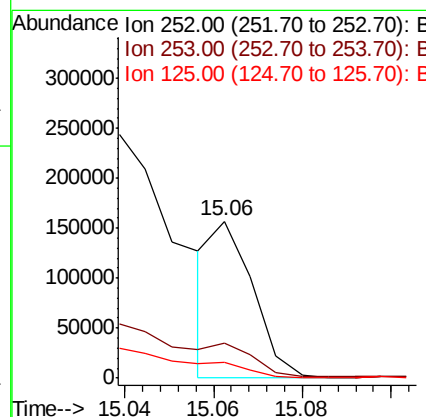
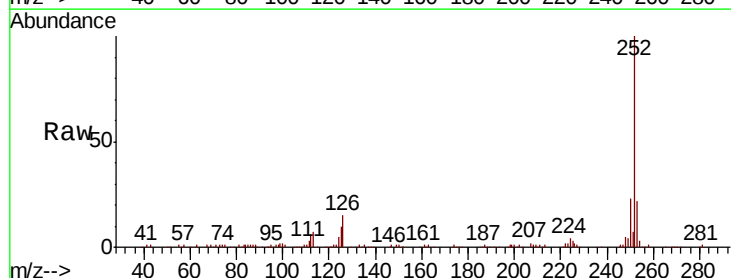
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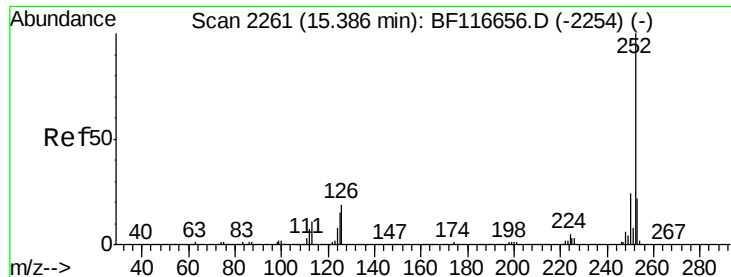
mohammad
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#89
Benzo(k)fluoranthene
Concen: 10.488 ng m
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF116858.D
Acq: 6 Sep 2019 13:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	10.3	8.6	13.0





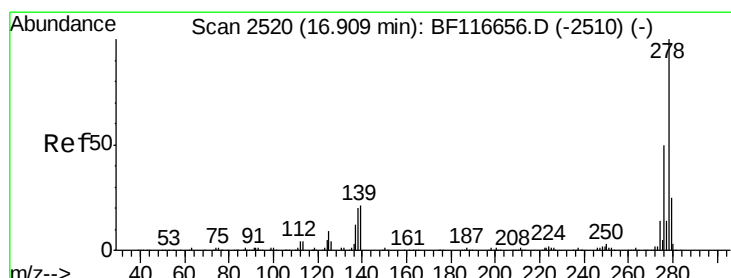
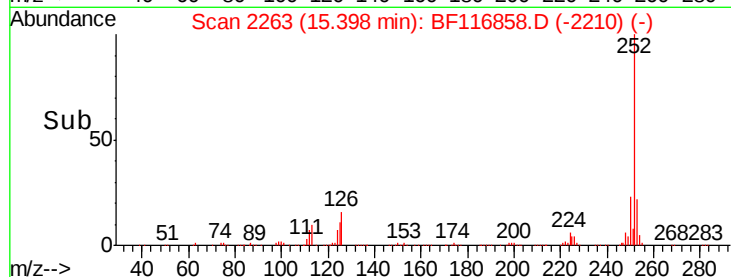
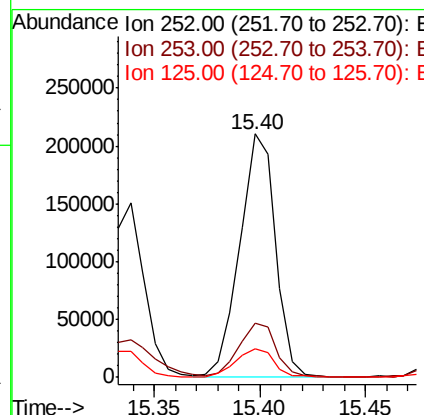
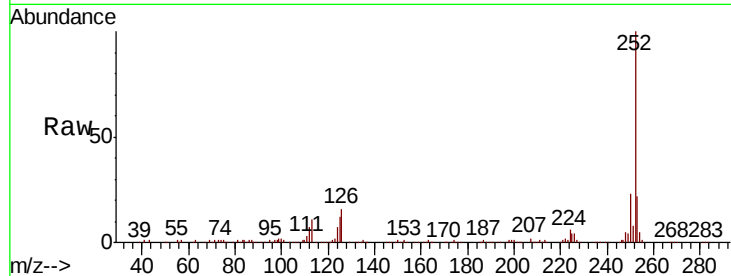
#90
Benzo(a)pyrene
Concen: 26.736 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF116858.D
Acq: 6 Sep 2019 13:33

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	11.8	9.8	14.8

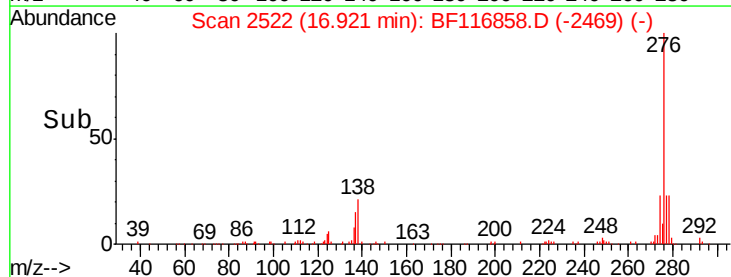
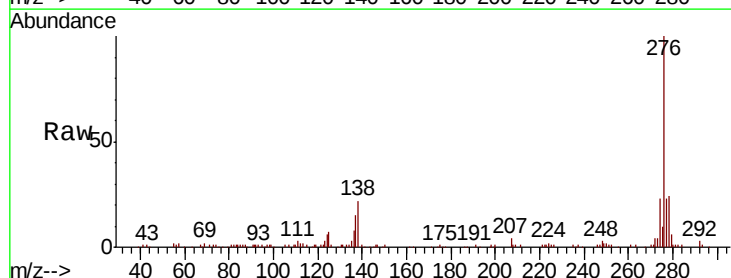
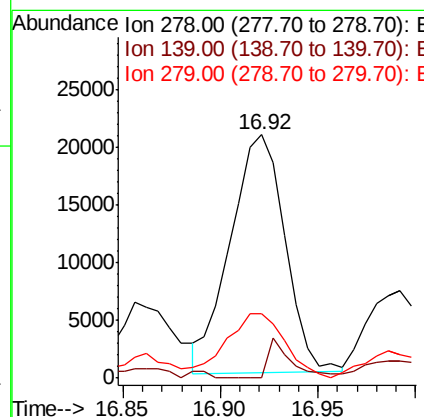
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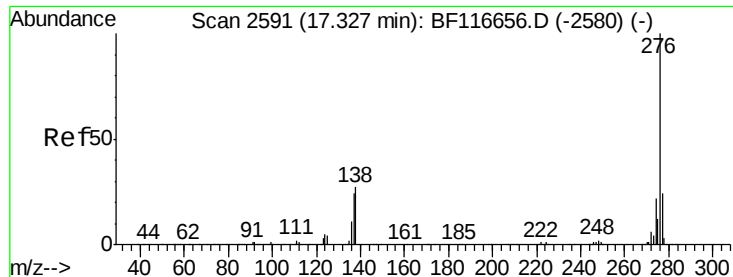
mohammad
9/12/2019 9:11:37 AM



#91
Dibenzo(a,h)anthracene
Concen: 4.999 ng
RT: 16.92 min Scan# 2522
Delta R.T. 0.01 min
Lab File: BF116858.D
Acq: 6 Sep 2019 13:33

Tgt Ion	Ratio	Lower	Upper
278	100		
139	3.9	12.4	18.6#
279	26.7	18.2	27.4





#92
 Benzo(a,h,i)perylene
 Concen: 21.418 ng
 RT: 17.36 min Scan# 2596
 Delta R.T. 0.03 min
 Lab File: BF116858.D
 Acq: 6 Sep 2019 13:33

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tot Ion:	276	Resp:	175668
Ion Ratio	Lower	Upper	
276	100		
277	23.5	18.5	27.7
138	22.1	16.2	24.2

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