

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051719\
 Data File : BF114376.D
 Acq On : 18 May 2019 3:48
 Operator : JU/SJ
 Sample : K2894-08
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-3-4

Manual Integrations
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 5/21/2019 2:16:48 PM

Quant Time: May 18 09:10:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	259044	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	984652	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	426844	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	750677	20.00	ng	0.00
76) Chrysene-d12	14.02	240	449512	20.00	ng	0.00
87) Perylene-d12	15.50	264	343625	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1176728	73.10	ng	0.00
7) Phenol-d6	6.50	99	1552865	81.56	ng	0.00
23) Nitrobenzene-d5	7.41	82	642139	36.60	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	275896	62.52	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1493292	52.92	ng	0.00
79) Terphenyl-d14	12.96	244	1171842	53.74	ng	0.00

Target Compounds					Qvalue	
50) Dimethylphthalate	9.59	163	324790	10.365	ng	99
71) Phenanthrene	11.40	178	883064	24.179	ng	97
72) Anthracene	11.45	178	215864	5.885	ng	97
73) Carbazole	11.60	167	109733	3.137	ng	97
75) Fluoranthene	12.59	202	1511069	38.421	ng	99
78) Pyrene	12.82	202	1394848	38.573	ng	99
81) Benzo(a)anthracene	14.01	228	641314	22.058	ng	99
83) Chrysene	14.04	228	621562m	21.808	ng	
84) Bis(2-ethylhexyl)phthalate	13.98	149	55505	2.788	ng	97
86) Indeno(1,2,3-cd)pyrene	16.99	276	271535	10.780	ng	96
88) Benzo(b)fluoranthene	15.07	252	604392m	27.454	ng	
89) Benzo(k)fluoranthene	15.09	252	231609m	11.453	ng	
90) Benzo(a)pyrene	15.43	252	408764	21.098	ng	96
91) Dibenzo(a,h)anthracene	16.99	278	80410	4.995	ng	# 80
92) Benzo(g,h,i)perylene	17.44	276	289485	17.942	ng	97

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

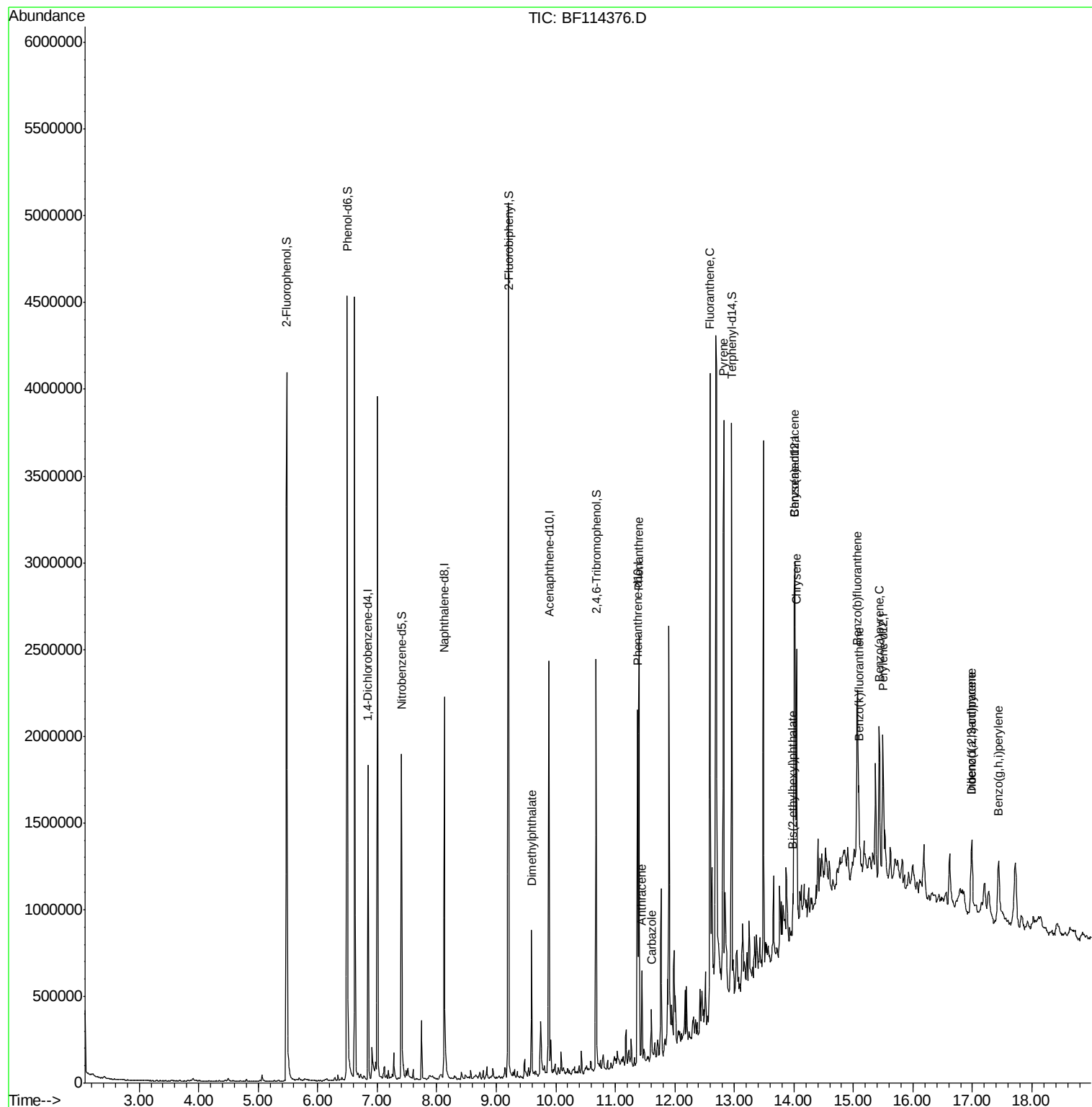
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051719\
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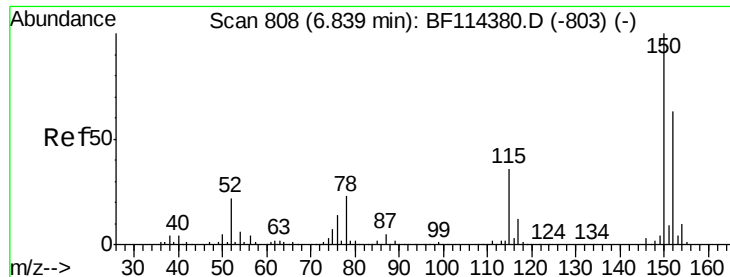
Instrument :
BNA_F
ClientSampled :
SB-06-3-4

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Quant Time: May 18 09:10:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 809

Delta R.T. -0.01 min

Lab File: BF114376.D

Acq: 18 May 2019 3:48

Instrument :

BNA_F

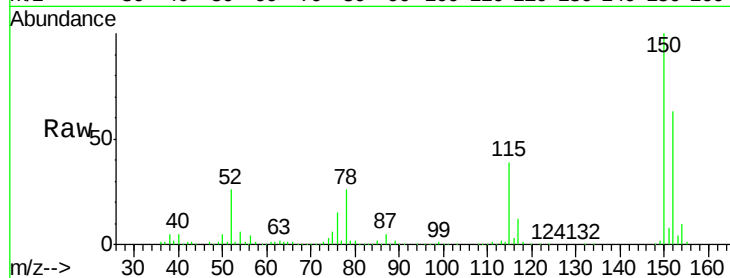
ClientSampleId :

SB-06-3-4

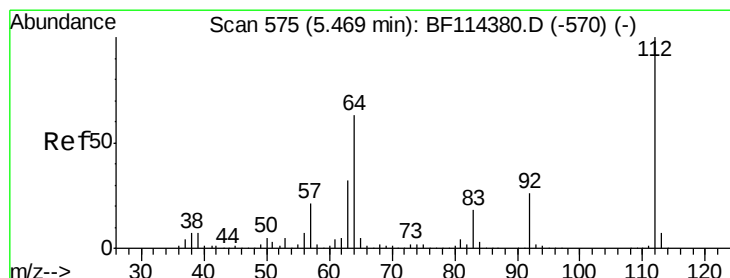
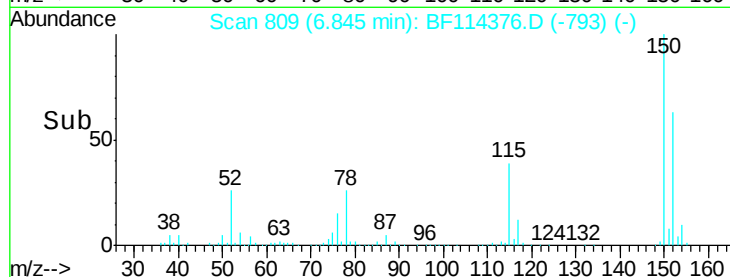
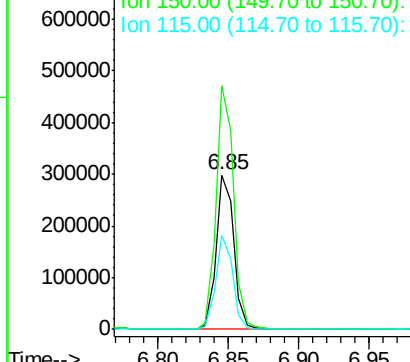
Tgt Ion:	152	Resp:	259044
Ion Ratio	Lower	Upper	
152	100		
150	157.5	124.3	186.5
115	60.8	49.1	73.7

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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: 73.102 ng

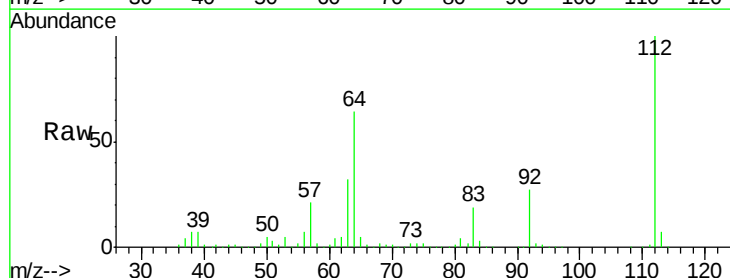
RT: 5.48 min Scan# 577

Delta R.T. 0.00 min

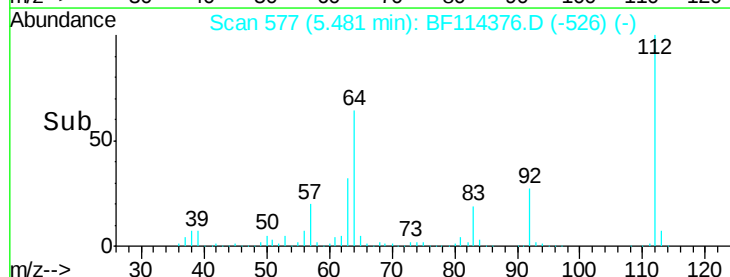
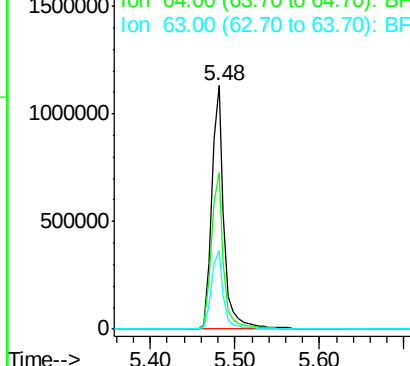
Lab File: BF114376.D

Acq: 18 May 2019 3:48

Tgt Ion:	112	Resp:	1176728
Ion Ratio	Lower	Upper	
112	100		
64	64.3	49.0	73.6
63	32.4	24.6	37.0



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: 81.564 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF114376.D

Acq: 18 May 2019 3:48

Instrument :

BNA_F

ClientSampleId :

SB-06-3-4

Tgt Ion: 99 Resp: 1552865

Ion Ratio Lower Upper

99 100

42 22.5 17.9 26.9

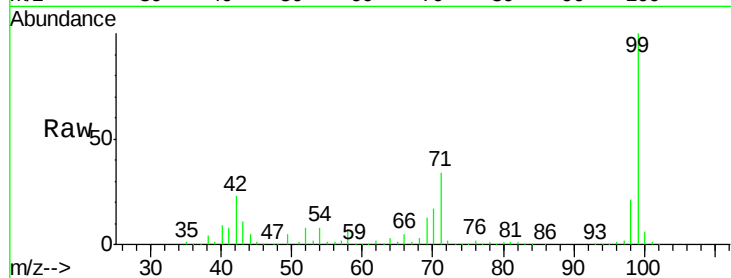
71 33.9 26.2 39.2

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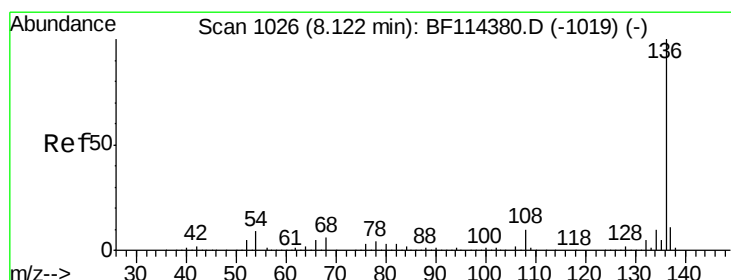
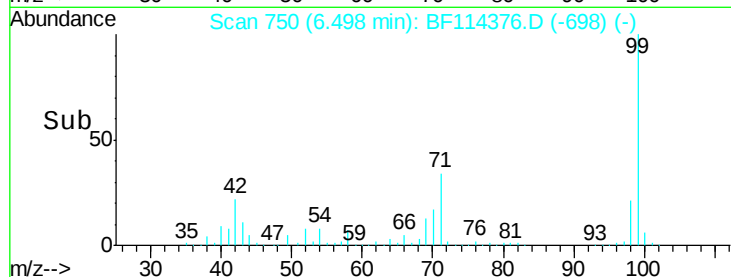
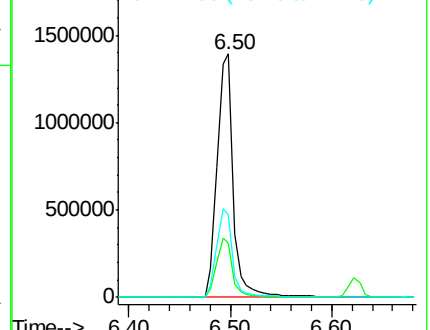
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF114376.D

Acq: 18 May 2019 3:48

Tgt Ion: 136 Resp: 984652

Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 9.8 7.8 11.8

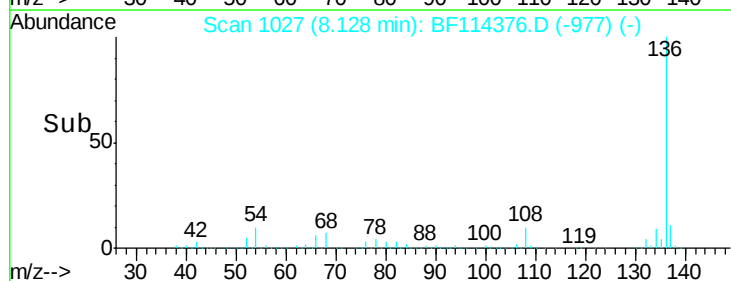
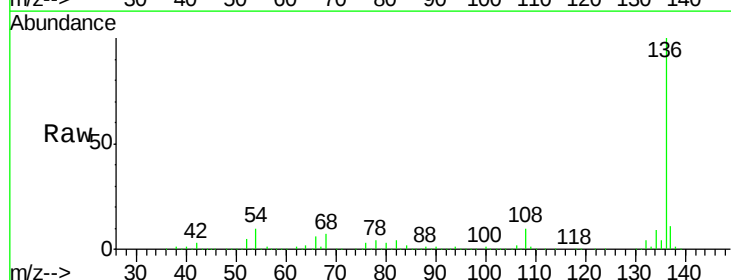
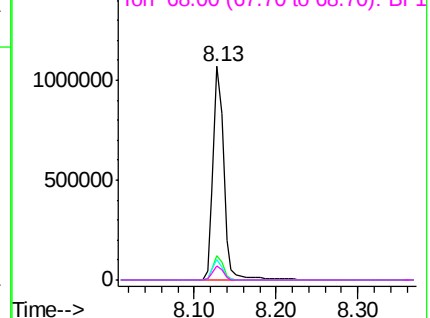
68 6.6 5.1 7.7

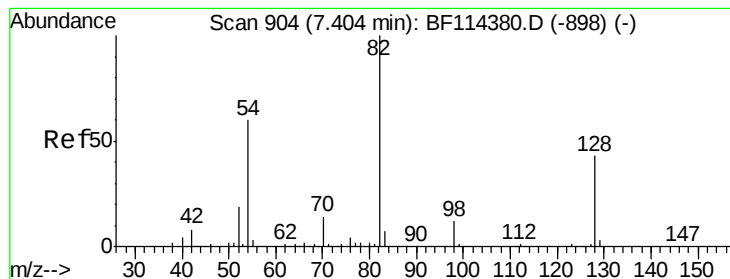
Abundance Ion 136.00 (135.70 to 136.70): E

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: 36.599 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF114376.D

Acq: 18 May 2019 3:48

Instrument :

BNA_F

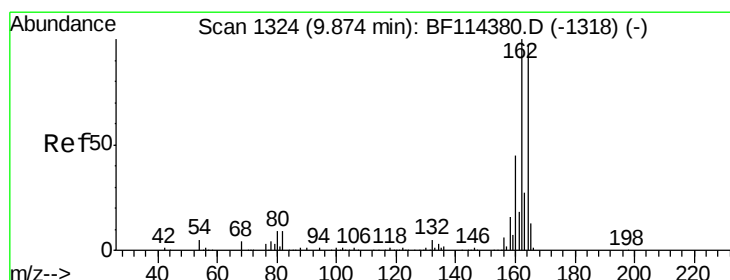
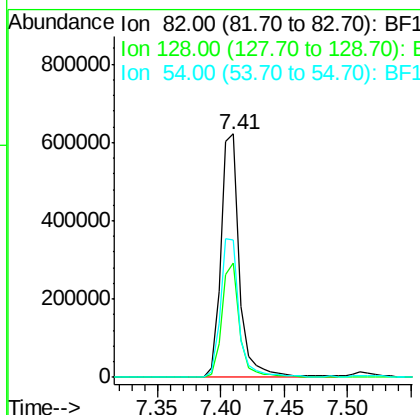
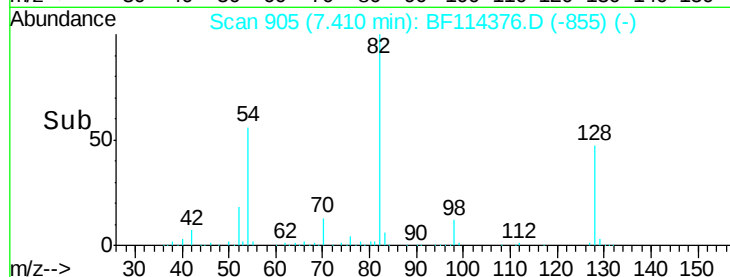
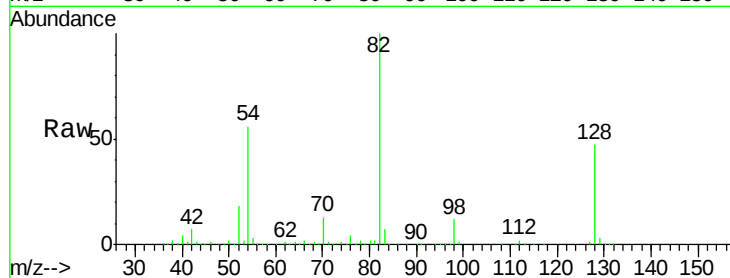
ClientSampleId :

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Tgt Ion:	82	Resp:	642139
Ion Ratio	Lower	Upper	
82	100		
128	47.1	35.5	53.3
54	56.2	48.5	72.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

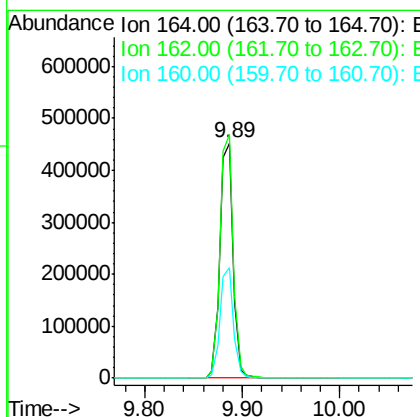
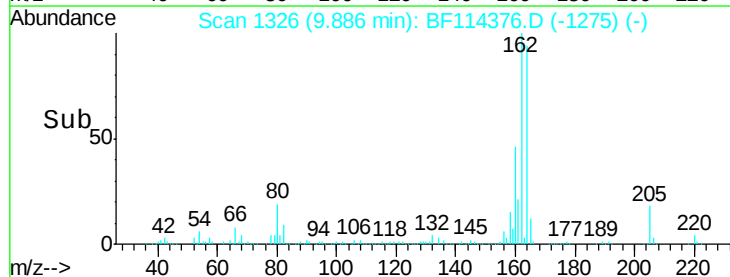
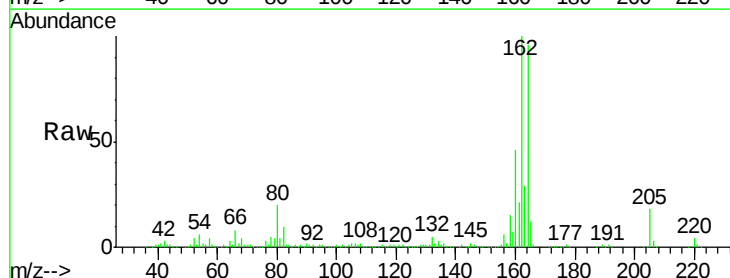
RT: 9.89 min Scan# 1326

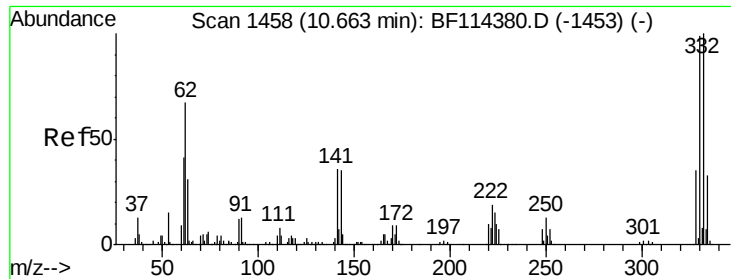
Delta R.T. -0.00 min

Lab File: BF114376.D

Acq: 18 May 2019 3:48

Tgt Ion:	164	Resp:	426844
Ion Ratio	Lower	Upper	
164	100		
162	103.7	80.6	120.8
160	47.3	36.5	54.7





#42

2,4,6-Tribromophenol

Concen: 62.521 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114376.D

Acq: 18 May 2019 3:48

Instrument :

BNA_F

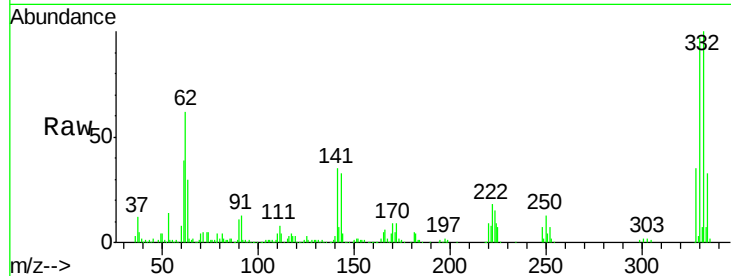
ClientSampleId :

SB-06-3-4

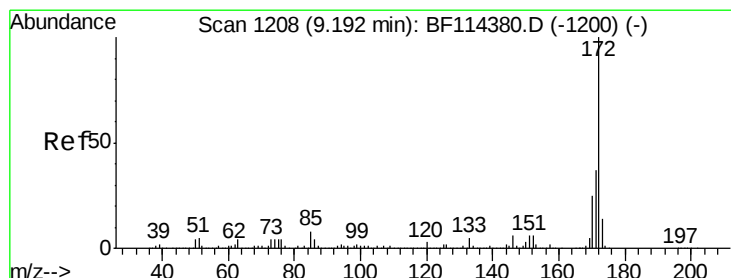
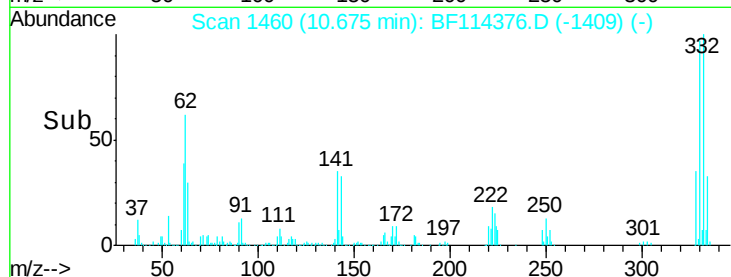
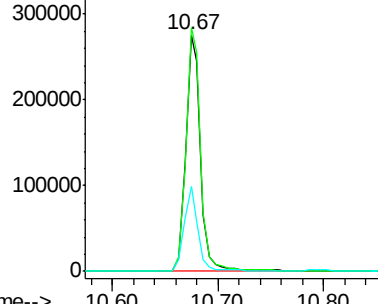
Tgt Ion:	330	Resp:	275896
Ion Ratio	Lower	Upper	
330	100		
332	102.5	81.4	122.2
141	33.3	26.6	40.0

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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: 52.920 ng

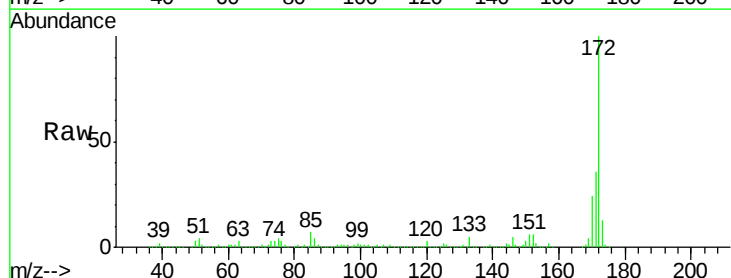
RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

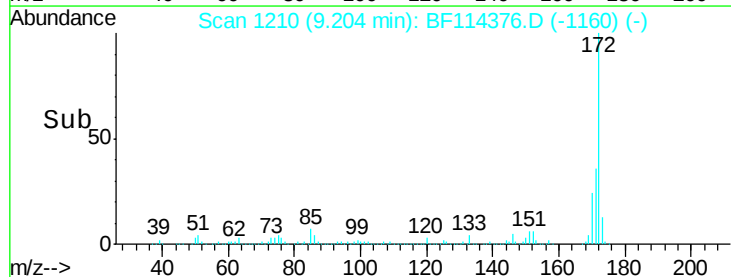
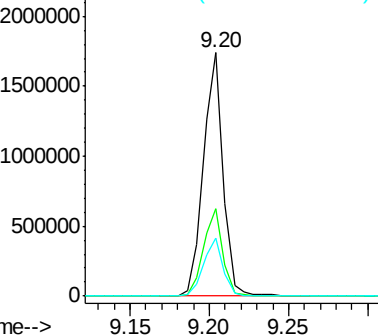
Lab File: BF114376.D

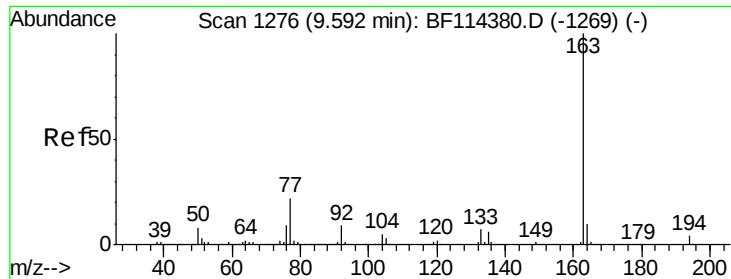
Acq: 18 May 2019 3:48

Tgt Ion:	172	Resp:	1493292
Ion Ratio	Lower	Upper	
172	100		
171	36.0	30.7	46.1
170	24.1	20.5	30.7



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





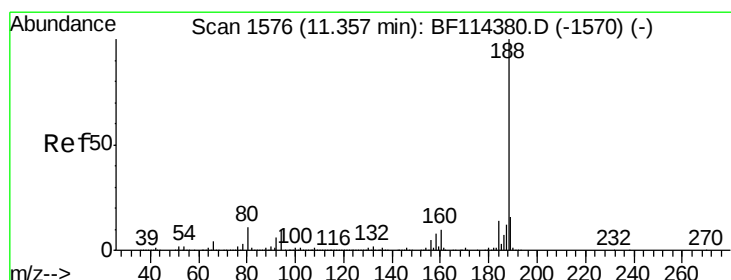
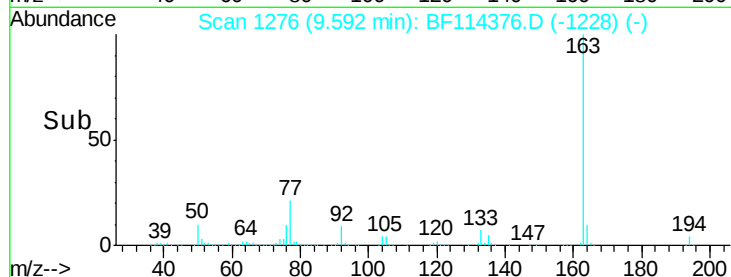
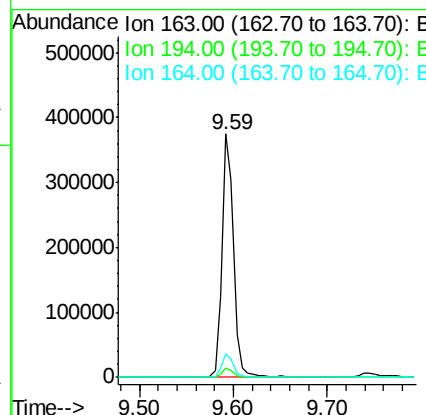
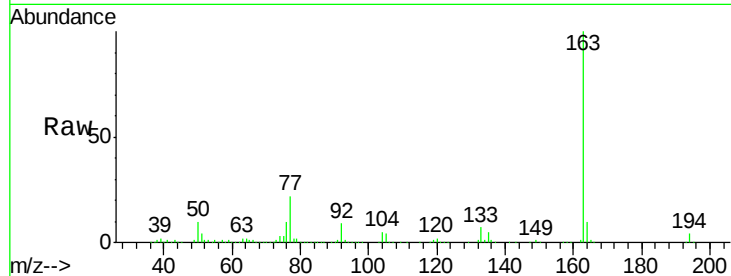
#50
Dimethylphthalate
Concen: 10.365 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF114376.D
Acq: 18 May 2019 3:48

Instrument :
BNA_F
ClientSampled :
SB-06-3-4

Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.9	3.4	5.0
164	9.8	8.2	12.2

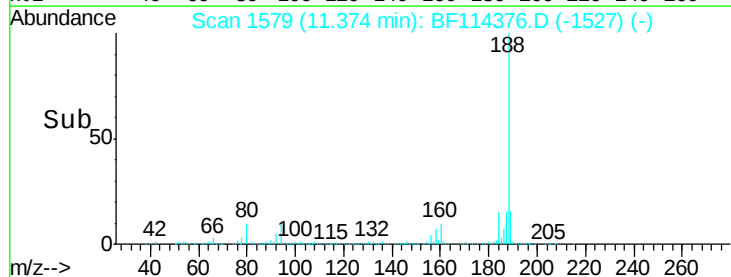
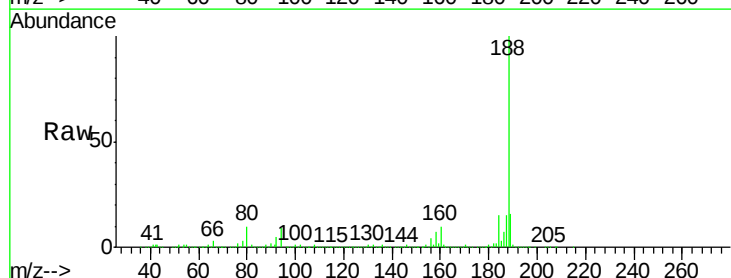
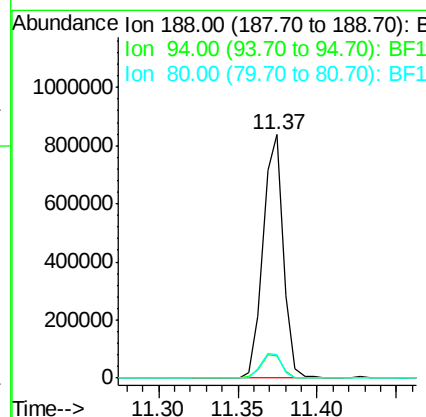
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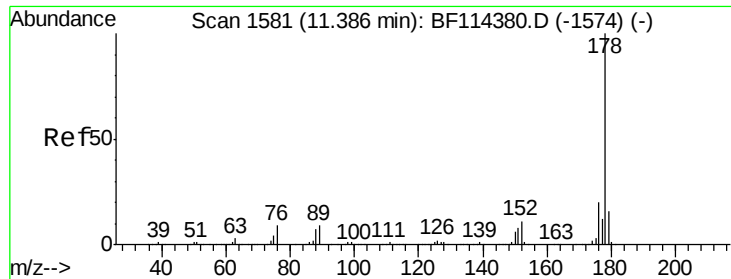
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BF114376.D
Acq: 18 May 2019 3:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.1	8.4	12.6
80	9.7	9.2	13.8





#71

Phenanthrene

Concen: 24.179 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BF114376.D

Acq: 18 May 2019 3:48

Instrument :

BNA_F

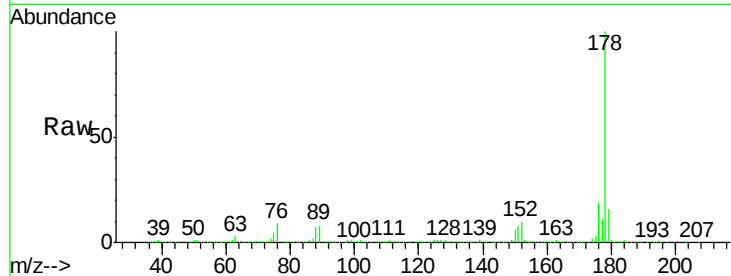
ClientSampled :

SB-06-3-4

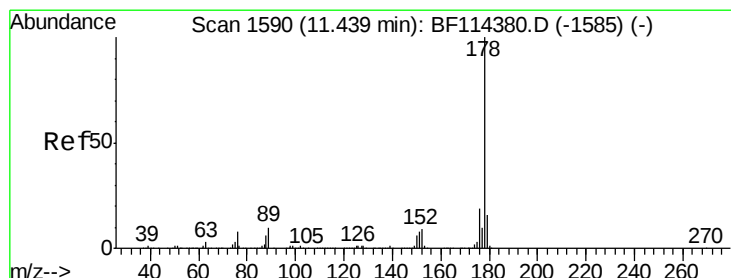
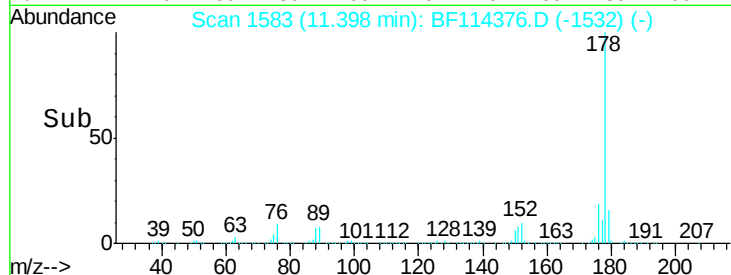
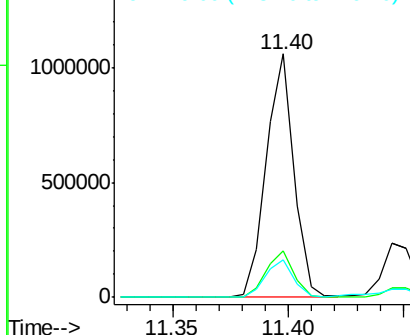
Tgt Ion:	178	Resp:	883064
Ion Ratio	Lower	Upper	
178	100		
176	19.0	16.4	24.6
179	15.6	13.2	19.8

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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



#72

Anthracene

Concen: 5.885 ng

RT: 11.45 min Scan# 1591

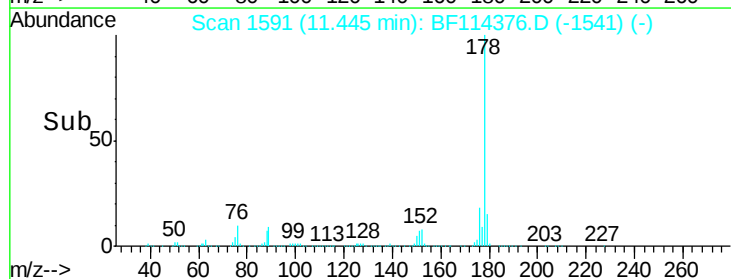
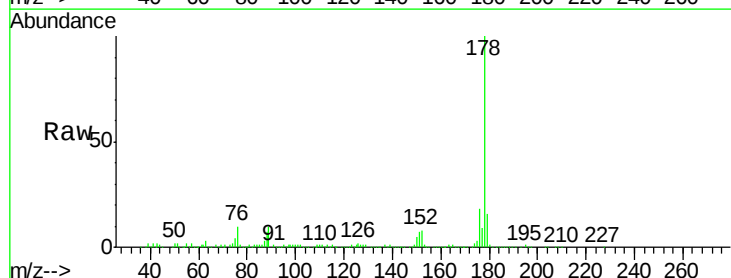
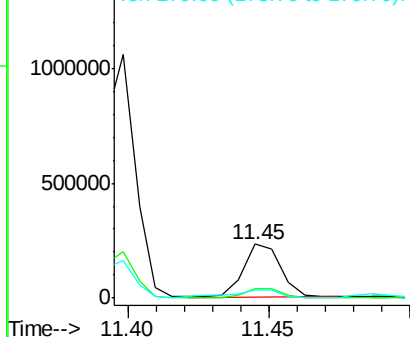
Delta R.T. -0.01 min

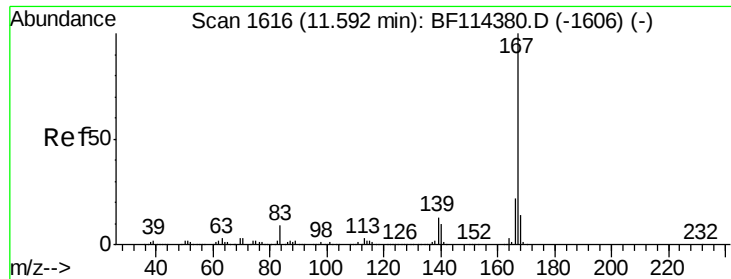
Lab File: BF114376.D

Acq: 18 May 2019 3:48

Tgt Ion:	178	Resp:	215864
Ion Ratio	Lower	Upper	
178	100		
176	17.9	15.8	23.8
179	15.5	13.0	19.4

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





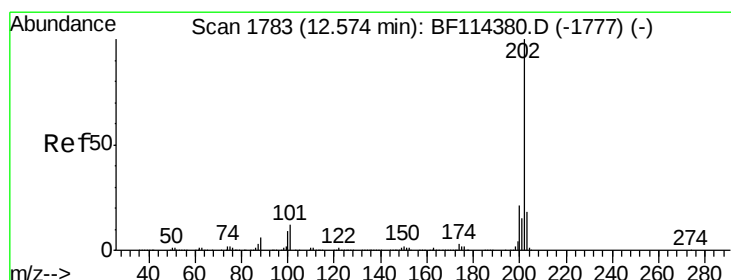
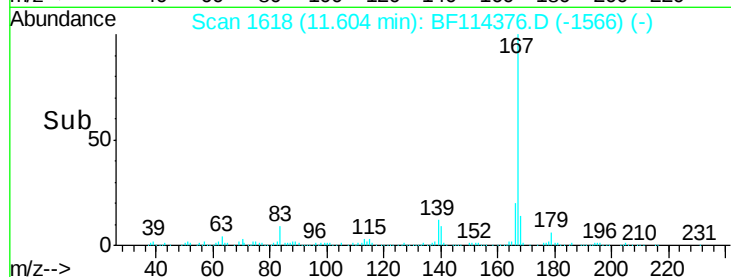
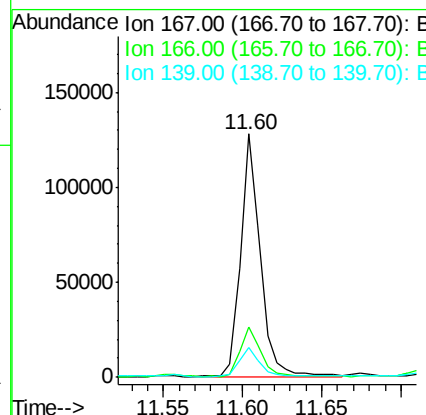
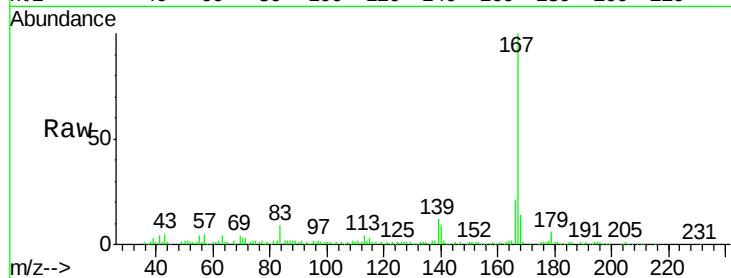
#73
 Carbazole
 Concen: 3.137 ng
 RT: 11.60 min Scan# 1618
 Delta R.T. 0.01 min
 Lab File: BF114376.D
 Acq: 18 May 2019 3:48

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-3-4

Tgt Ion	Ratio	Resp	Lower	Upper
167	100	109733		
166	20.8	18.2	27.2	
139	12.4	10.6	16.0	

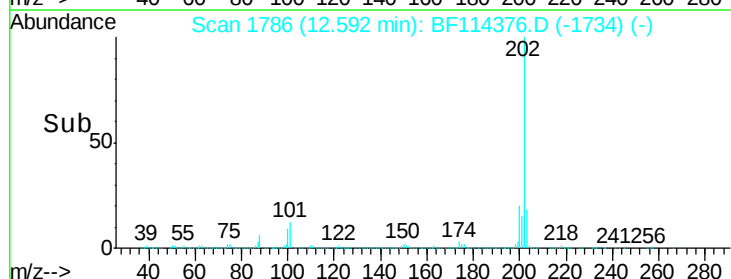
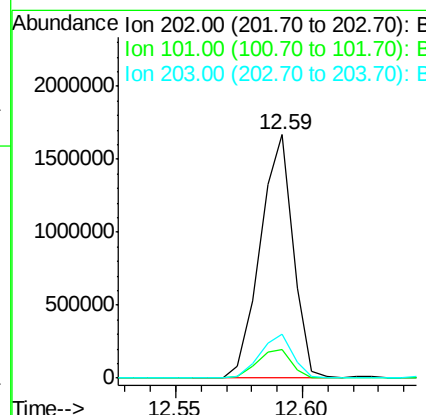
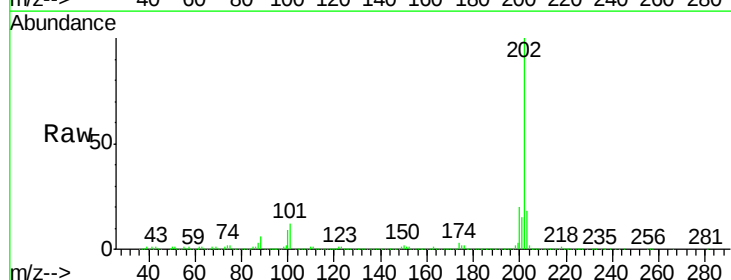
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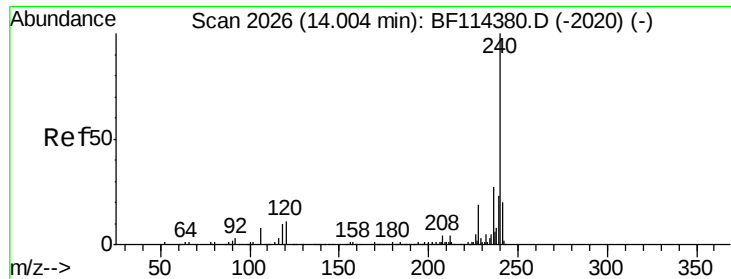
mohammad
 5/21/2019 2:16:48 PM



#75
 Fluoranthene
 Concen: 38.421 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. 0.01 min
 Lab File: BF114376.D
 Acq: 18 May 2019 3:48

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1511069		
101	11.6	0.0	31.0	
203	17.9	0.0	38.4	





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BF114376.D

Acq: 18 May 2019 3:48

Instrument :

BNA_F

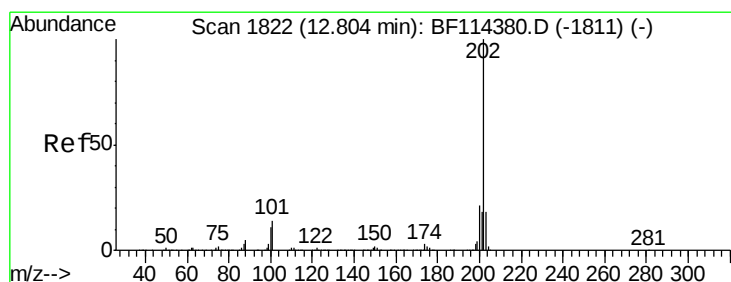
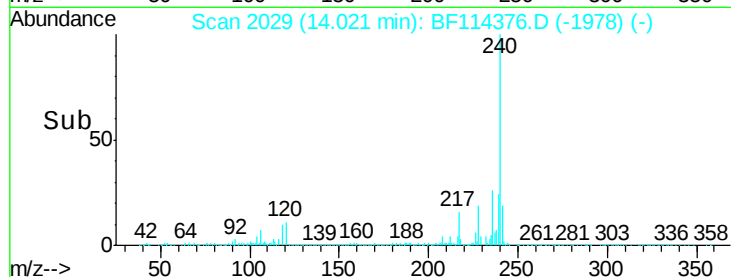
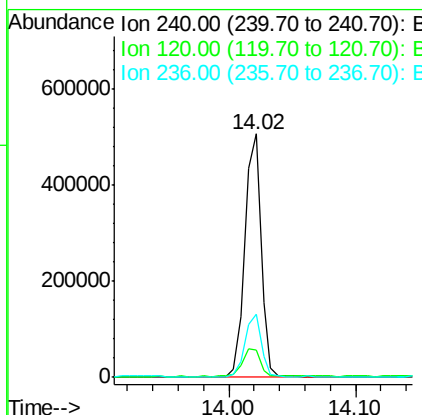
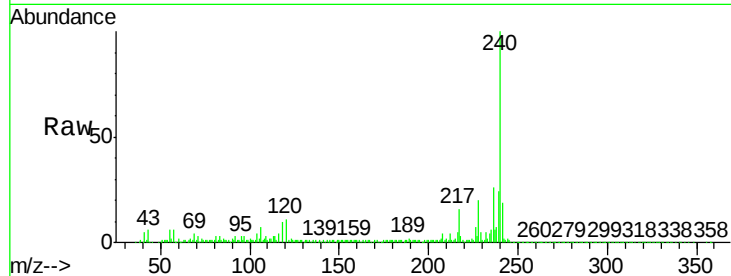
ClientSampleId :

SB-06-3-4

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	449512		
120	11.3	8.3	12.5	
236	26.0	20.8	31.2	

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#78

Pyrene

Concen: 38.573 ng

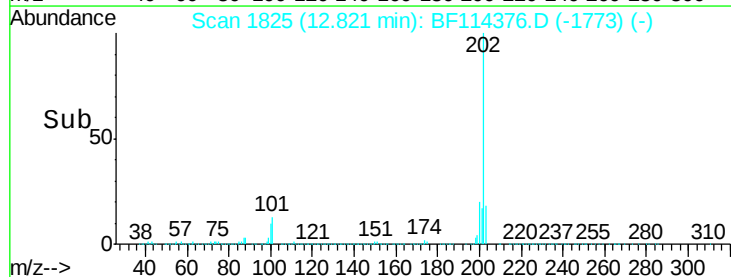
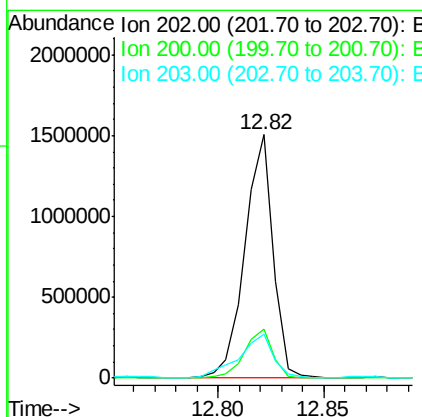
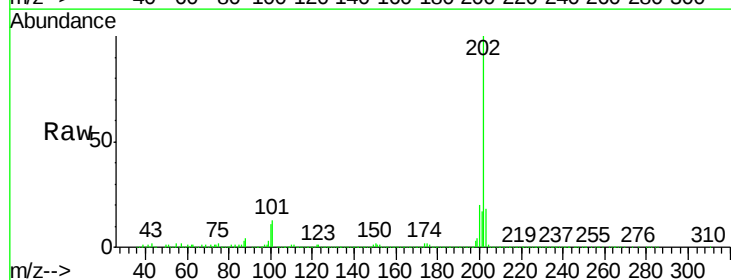
RT: 12.82 min Scan# 1825

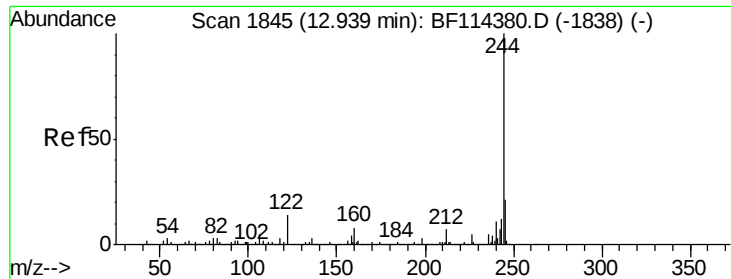
Delta R.T. 0.01 min

Lab File: BF114376.D

Acq: 18 May 2019 3:48

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	1394848		
200	20.1	16.9	25.3	
203	18.1	14.5	21.7	





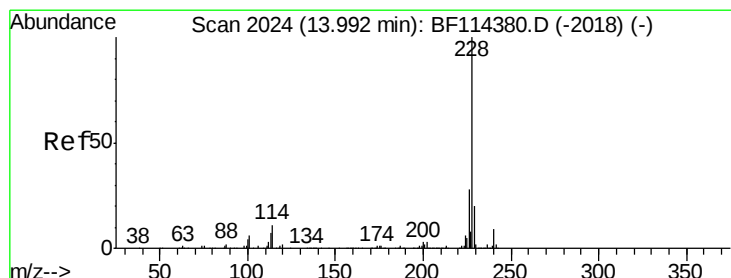
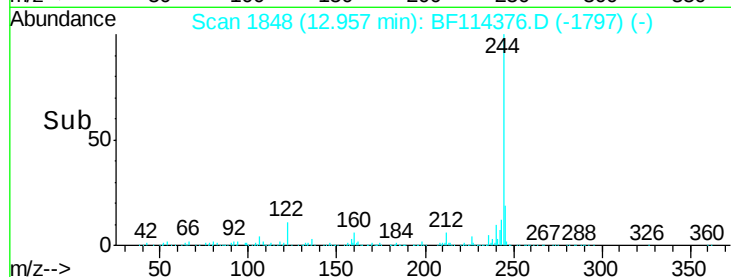
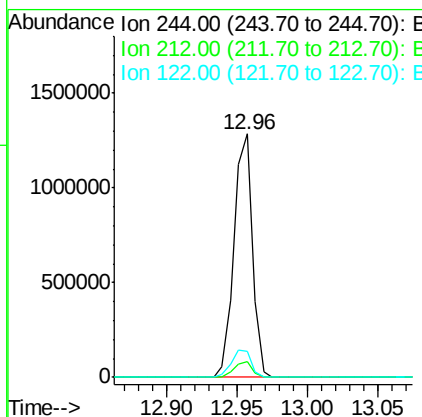
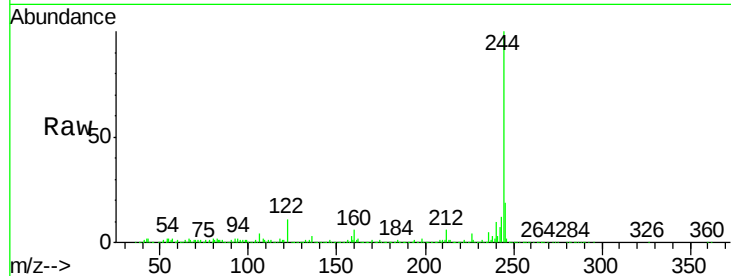
#79
 Terphenyl-d14
 Concen: 53.740 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.00 min
 Lab File: BF114376.D
 Acq: 18 May 2019 3:48

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-3-4

Tgt Ion:244 Resp: 1171842
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.8 8.6
 122 10.7 9.4 14.2

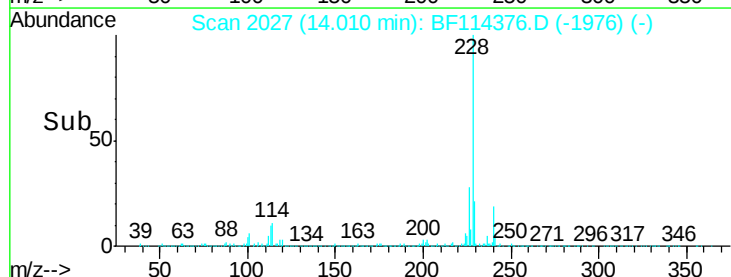
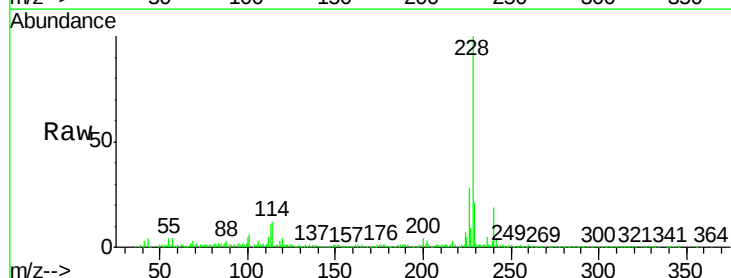
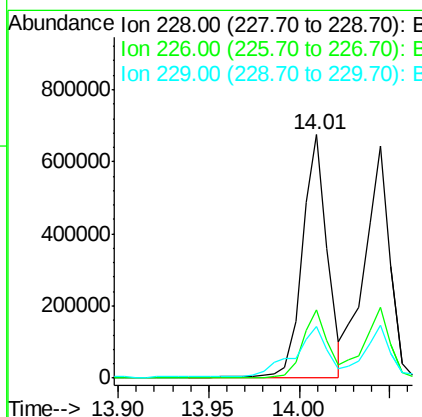
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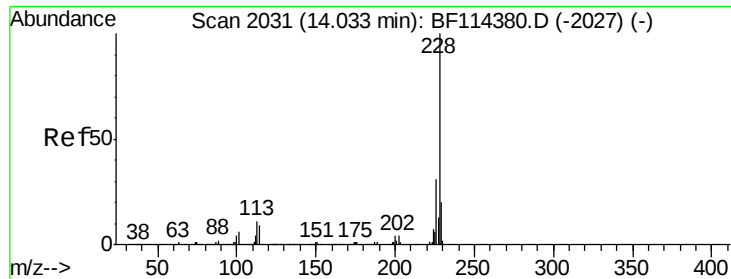
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#81
 Benzo(a)anthracene
 Concen: 22.058 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.00 min
 Lab File: BF114376.D
 Acq: 18 May 2019 3:48

Tgt Ion:228 Resp: 641314
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.2 33.2
 229 21.1 16.4 24.6





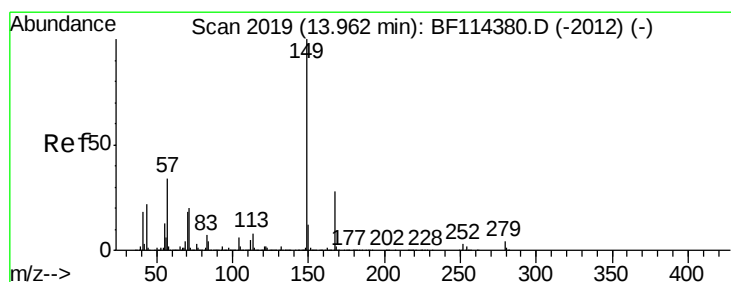
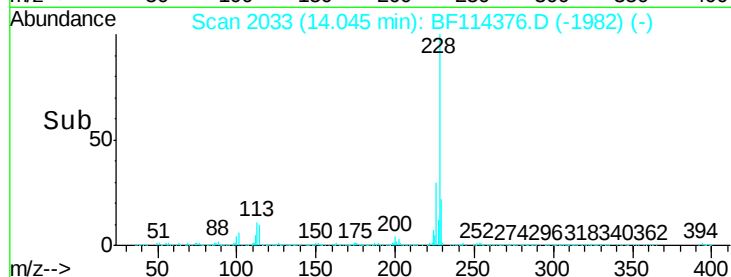
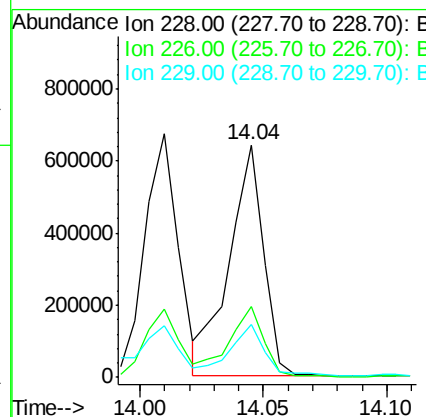
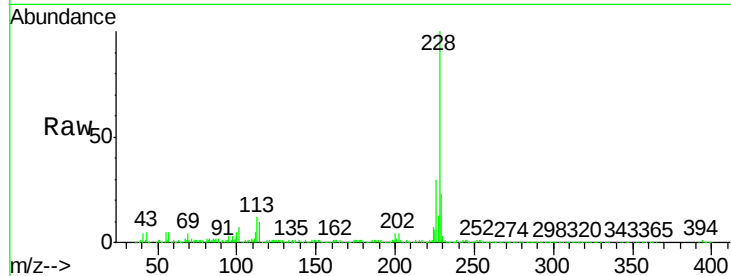
#83
Chrysene
Concen: 21.808 ng m
RT: 14.04 min Scan# 2033
Delta R.T. -0.00 min
Lab File: BF114376.D
Acq: 18 May 2019 3:48

Instrument :
BNA_F
ClientSampleId :
SB-06-3-4

Tgt Ion: 228 Resp: 621562
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 22.8 17.0 25.6

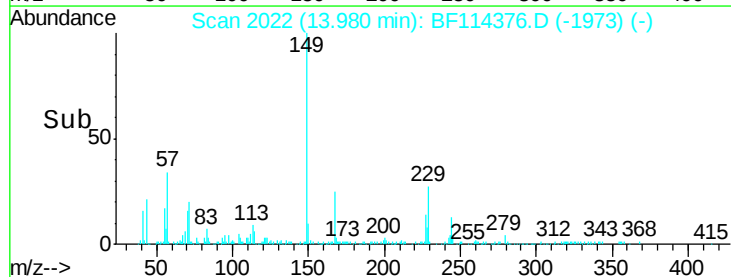
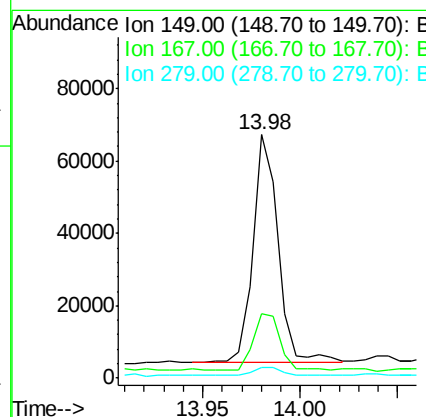
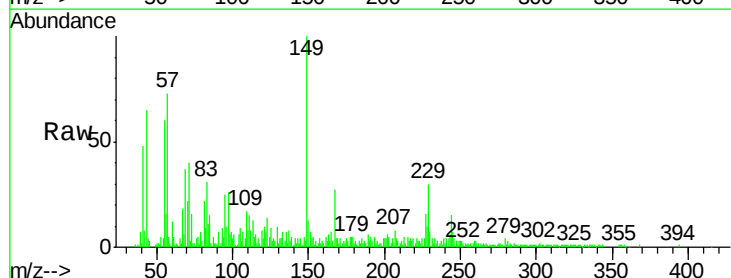
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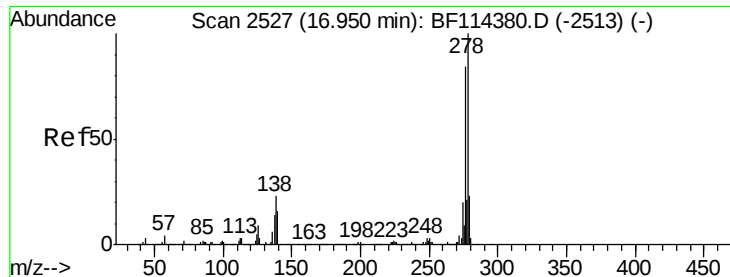
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#84
Bis(2-ethylhexyl)phthalate
Concen: 2.788 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF114376.D
Acq: 18 May 2019 3:48

Tgt Ion: 149 Resp: 55505
Ion Ratio Lower Upper
149 100
167 26.6 22.6 33.8
279 4.3 3.0 4.6





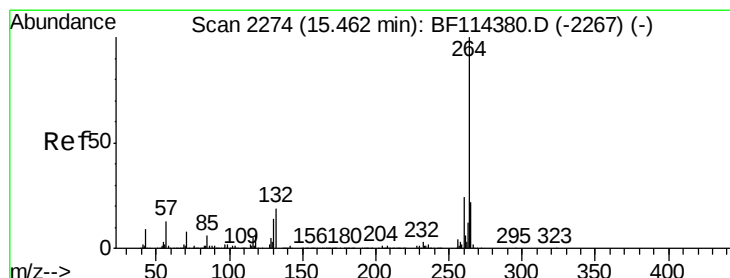
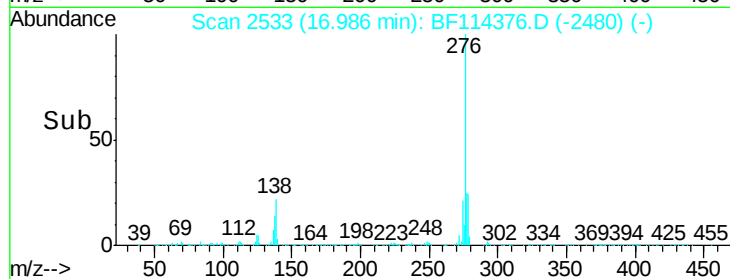
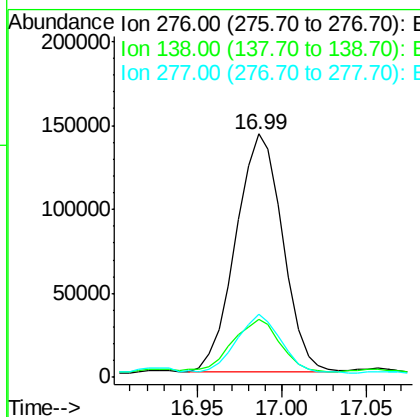
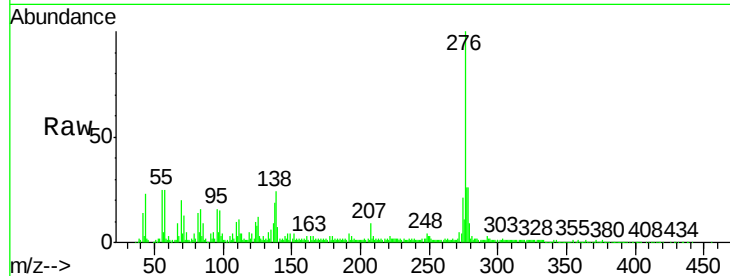
#86
Indeno(1,2,3-cd)pyrene
Concen: 10.780 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.01 min
Lab File: BF114376.D
Acq: 18 May 2019 3:48

Instrument :
BNA_F
ClientSampleId :
SB-06-3-4

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	22.7	20.2	30.2
277	23.8	20.0	30.0

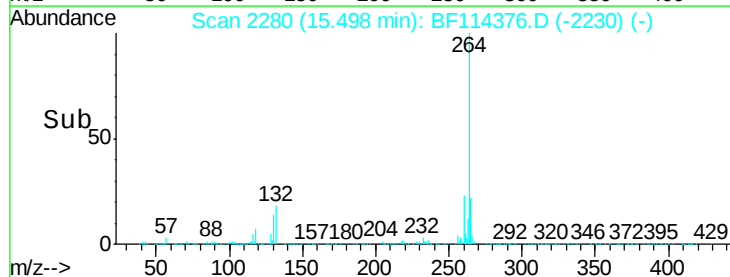
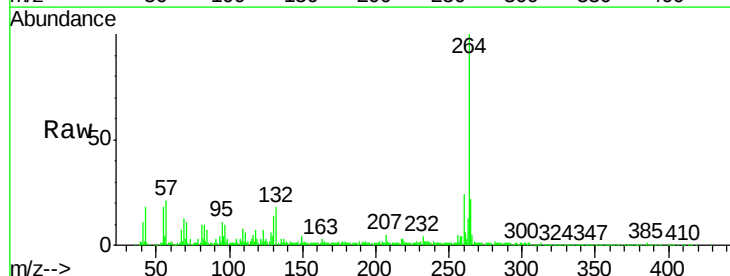
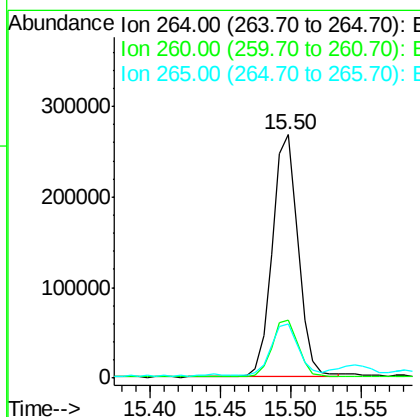
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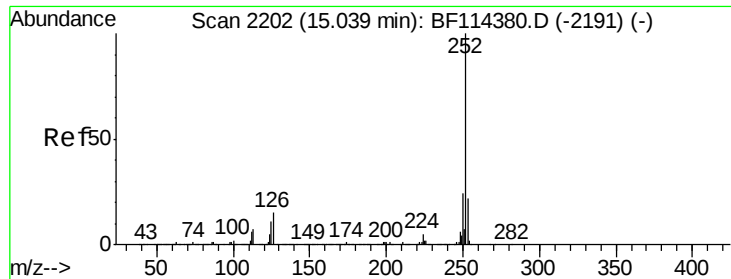
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF114376.D
Acq: 18 May 2019 3:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	23.8	19.4	29.0
265	22.4	16.9	25.3





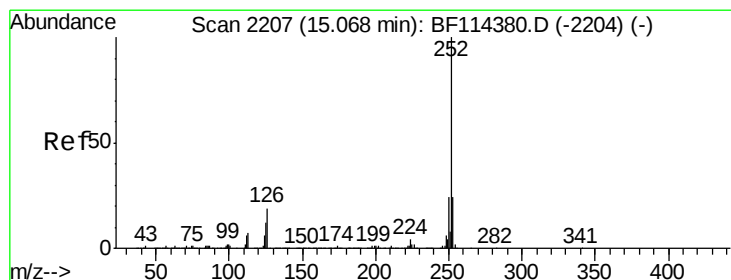
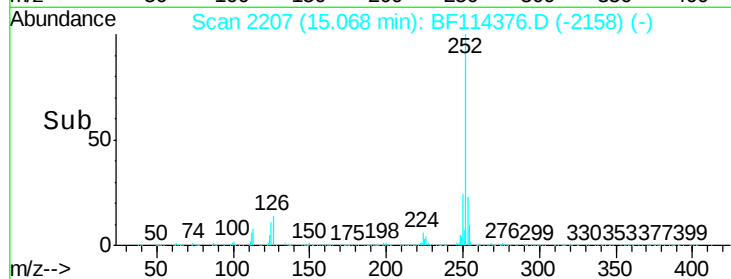
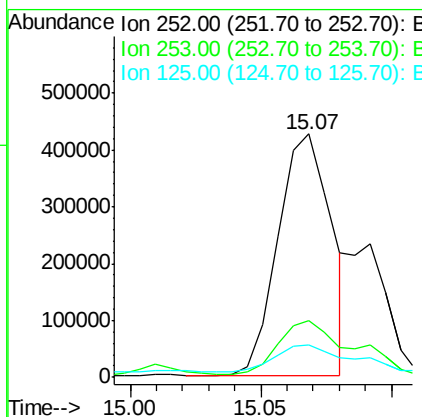
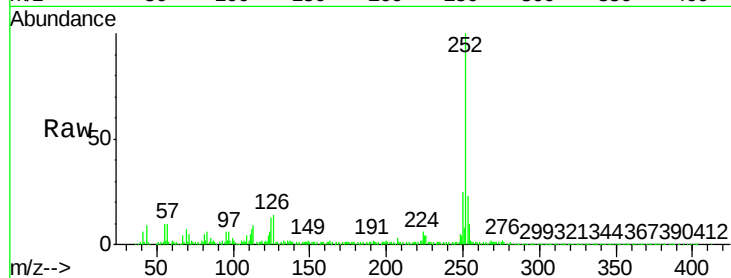
#88
Benzo(b)fluoranthene
Concen: 27.454 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF114376.D
Acq: 18 May 2019 3:48

Instrument :
BNA_F
ClientSampled :
SB-06-3-4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	13.4	8.3	12.5#

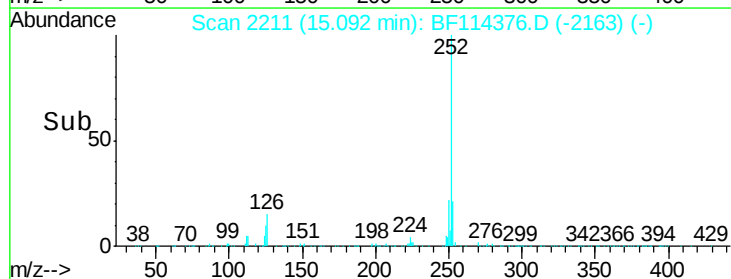
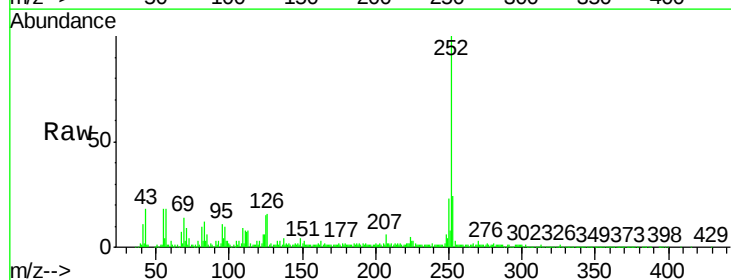
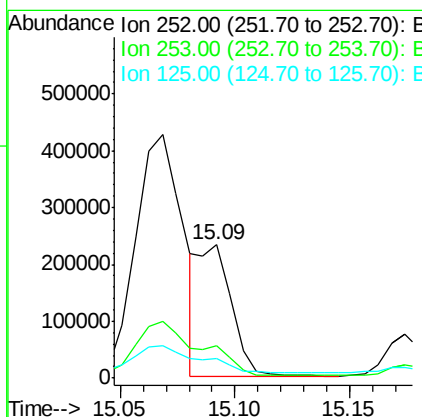
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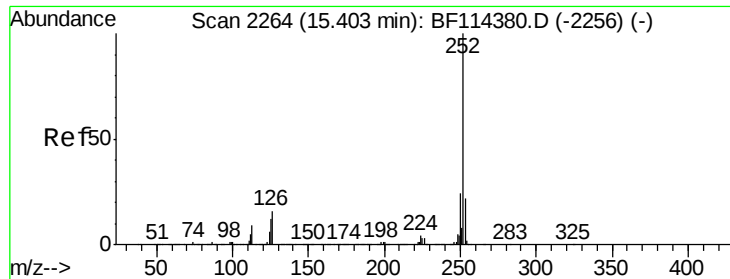
mohammad
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#89
Benzo(k)fluoranthene
Concen: 11.453 ng m
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF114376.D
Acq: 18 May 2019 3:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.2
125	14.7	8.6	13.0#





#90

Benzo(a)pyrene

Concen: 21.098 ng

RT: 15.43 min Scan# 2269

Delta R.T. -0.01 min

Lab File: BF114376.D

Acq: 18 May 2019 3:48

Instrument :

BNA_F

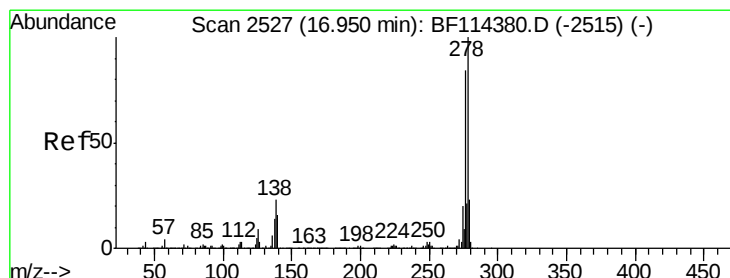
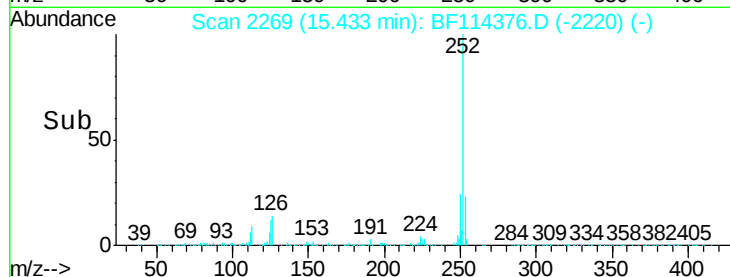
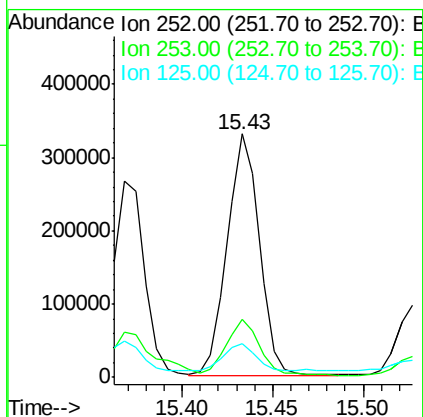
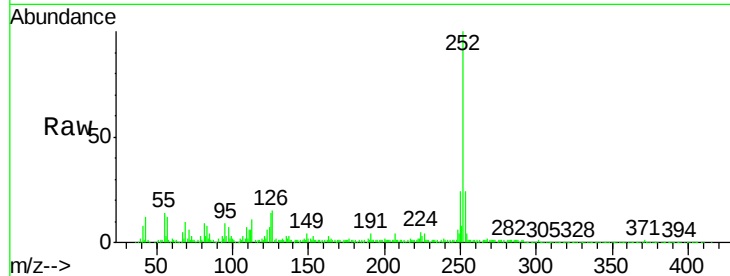
ClientSampleId :

SB-06-3-4

Tgt Ion:	252	Resp:	408764
Ion Ratio	Lower	Upper	
252	100		
253	23.8	18.1	27.1
125	14.1	9.5	14.3

Manual Integrations
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#91

Dibenzo(a,h)anthracene

Concen: 4.995 ng

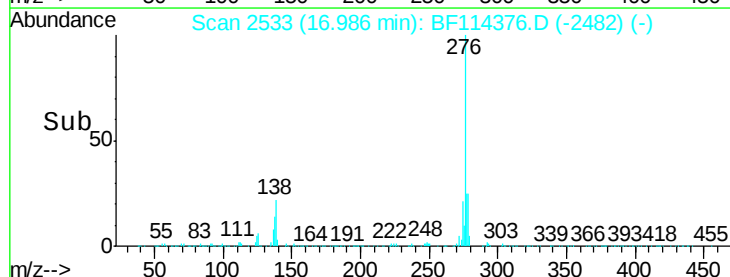
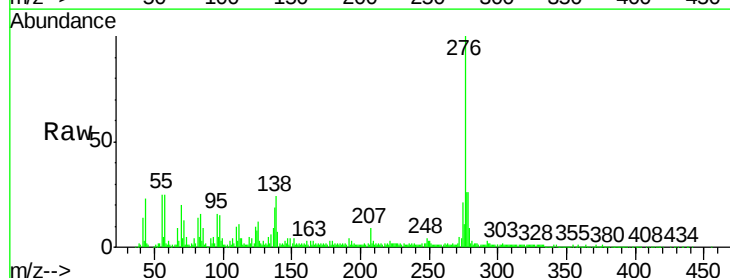
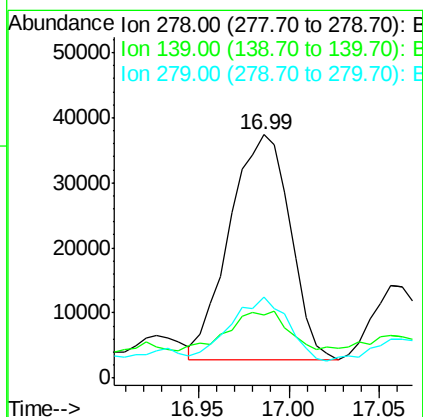
RT: 16.99 min Scan# 2533

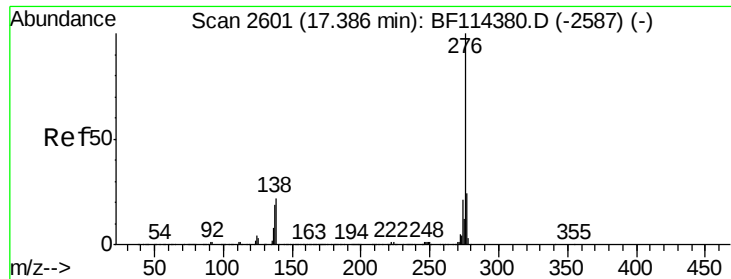
Delta R.T. -0.00 min

Lab File: BF114376.D

Acq: 18 May 2019 3:48

Tgt Ion:	278	Resp:	80410
Ion Ratio	Lower	Upper	
278	100		
139	25.8	13.5	20.3#
279	33.1	19.0	28.6#





#92
 Benzo(g,h,i)perylene
 Concen: 17.942 ng
 RT: 17.44 min Scan# 2610
 Delta R.T. 0.02 min
 Lab File: BF114376.D
 Acq: 18 May 2019 3:48

Instrument :
 BNA_F
 ClientSampleId :
 SB-06-3-4

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	24.7	19.0	28.4
138	23.6	17.8	26.6

Manual Integrations
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