

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
 Data File : BF112325.D
 Acq On : 30 Jan 2019 16:51
 Operator : JU/SJ
 Sample : K1282-17
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Manual Integrations
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mohammad
 2/1/2019 12:06:42 AM

Quant Time: Jan 31 00:25:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	179365	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	670907	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	296847	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	488314	20.00	ng	0.00
76) Chrysene-d12	14.00	240	368289	20.00	ng	0.00
87) Perylene-d12	15.47	264	372620	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	966583	114.46	ng	0.00
7) Phenol-d6	6.49	99	1185610	101.04	ng	0.00
23) Nitrobenzene-d5	7.40	82	737375	63.33	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	281156	81.37	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	1203581	57.34	ng	-0.01
79) Terphenyl-d14	12.94	244	842845	43.10	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.50	94	84828	6.589	ng	78
31) Naphthalene	8.14	128	147712	4.708	ng	99
37) 2-Methylnaphthalene	8.83	142	89354	4.160	ng	99
38) 1-Methylnaphthalene	8.93	142	69965	3.399	ng	98
50) Dimethylphthalate	9.59	163	106280	4.608	ng	98
52) Acenaphthene	9.90	154	201110	11.413	ng	97
55) Dibenzofuran	10.08	168	190815	7.086	ng	99
58) Fluorene	10.42	166	233229	11.575	ng	97
71) Phenanthrene	11.39	178	1819598	71.675	ng	99
72) Anthracene	11.44	178	403371	15.951	ng	98
73) Carbazole	11.59	167	109963	4.408	ng	100
75) Fluoranthene	12.58	202	1670688	61.357	ng	99
78) Pvrene	12.81	202	1487329	58.331	ng	100
81) Benzo(a)anthracene	13.99	228	685956	31.684	ng	100
83) Chrysene	14.03	228	594256	28.755	ng	97
86) Indeno(1,2,3-cd)pyrene	16.94	276	247968	15.143	ng	# 92
88) Benzo(b)fluoranthene	15.04	252	735646m	33.012	ng	
89) Benzo(k)fluoranthene	15.07	252	224829m	10.533	ng	
90) Benzo(a)pvrene	15.41	252	544760	27.168	ng	98
91) Dibenzo(a,h)anthracene	16.94	278	64577	3.996	ng	# 85
92) Benzo(g,h,i)perylene	17.39	276	237930	15.606	ng	99

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

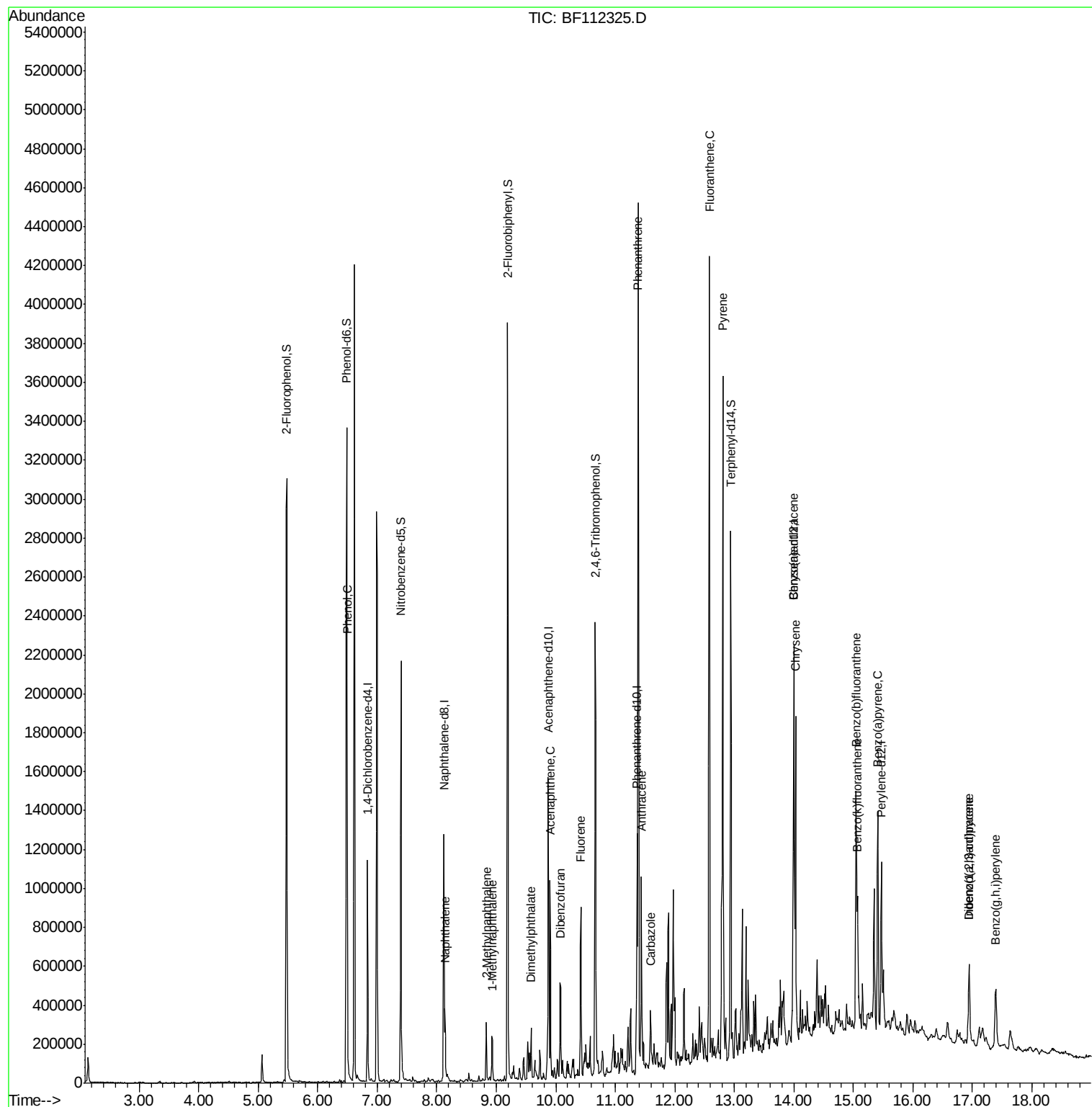
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013019\
Data File : BF112325.D
Acq On : 30 Jan 2019 16:51
Operator : JU/SJ
Sample : K1282-17
Misc :
ALS Vial : 7 Sample Multiplier: 1

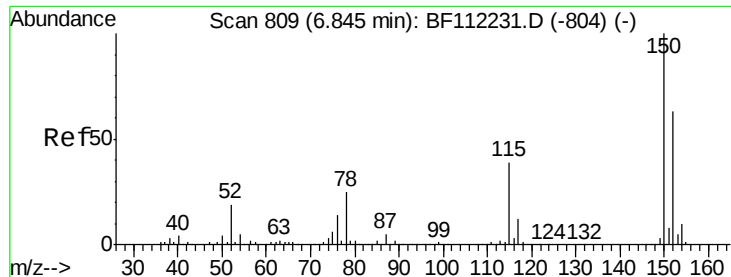
Instrument :
BNA_F
ClientSampled :
TP-5

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Quant Time: Jan 31 00:25:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

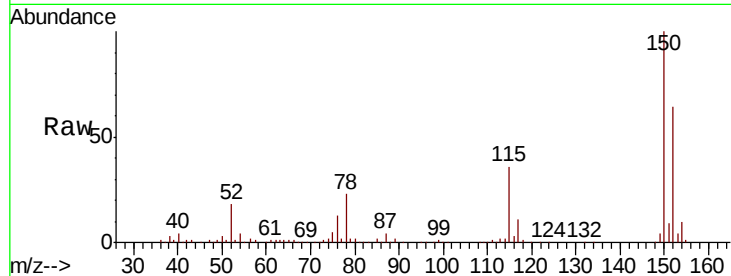
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	127.4	191.0
115	56.5	45.5	68.3

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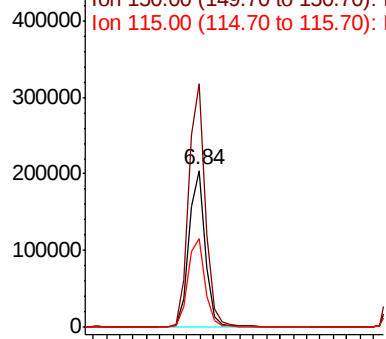


Abundance

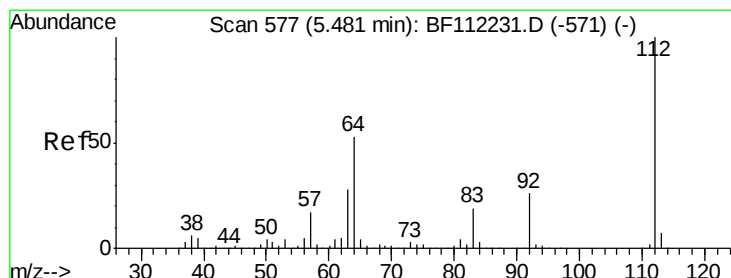
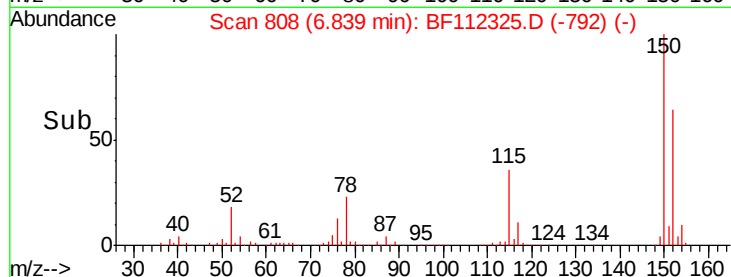
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



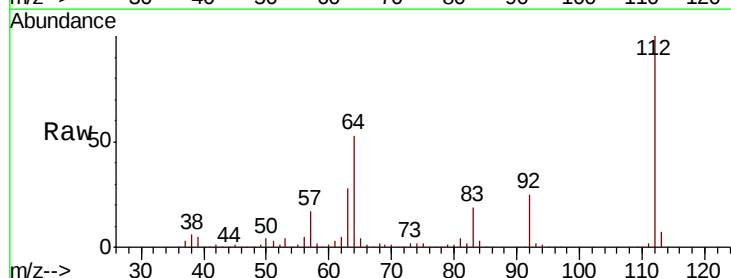
Time-->



#5

2-Fluorophenol
Concen: 114.464 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.8	45.7	68.5
63	28.4	23.6	35.4

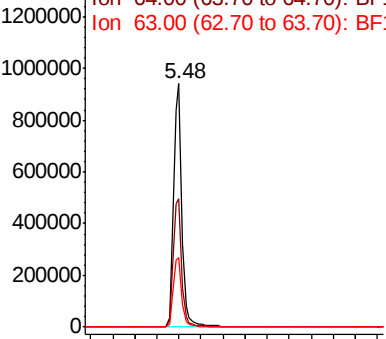


Abundance

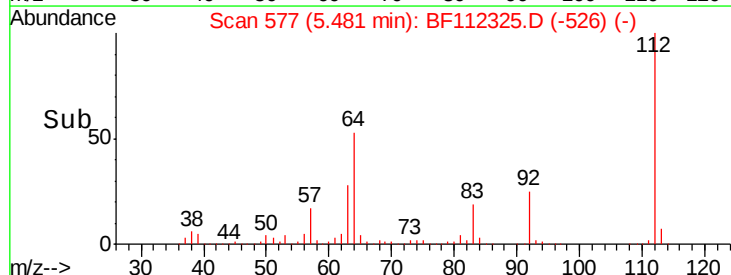
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



Time-->





#7

Phenol-d6

Concen: 101.041 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

Instrument :

BNA_F

ClientSampleId :

TP-5

Tot Ion: 99 Resp: 1185610

Ion Ratio Lower Upper

99 100

42 18.8 15.1 22.7

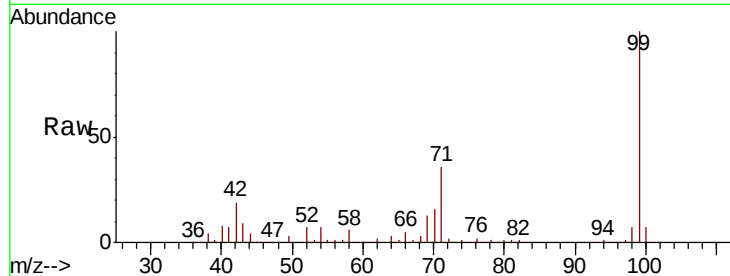
71 36.4 26.9 40.3

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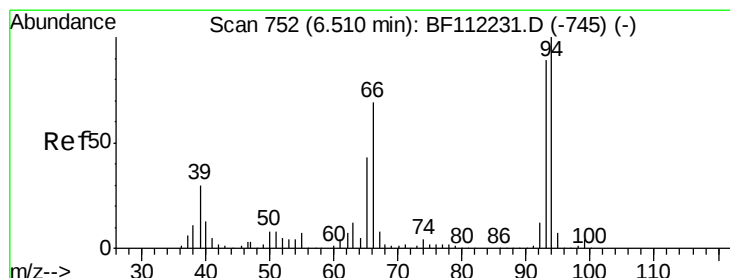
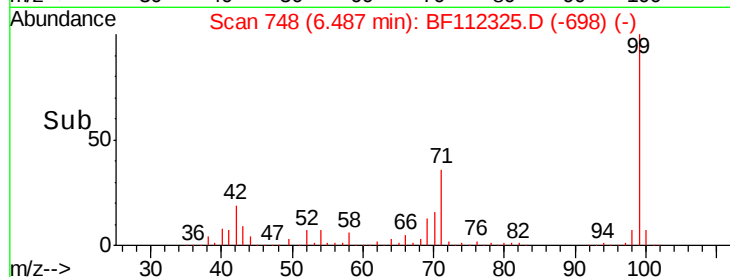
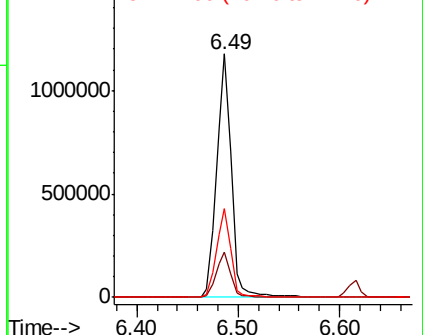
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 6.589 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

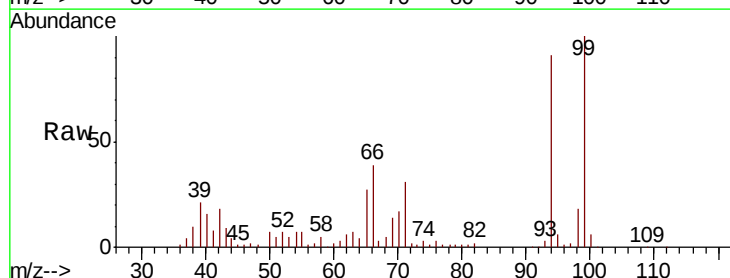
Tgt Ion: 94 Resp: 84828

Ion Ratio Lower Upper

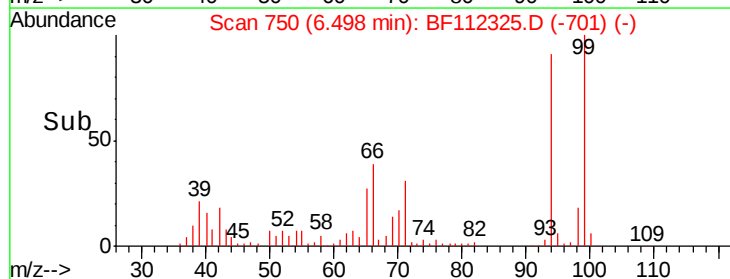
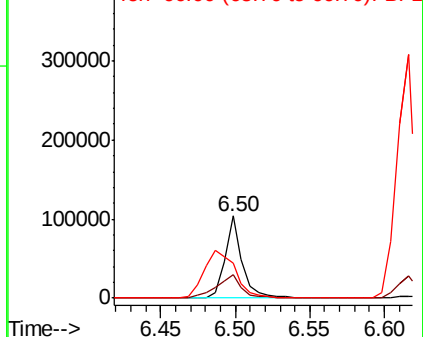
94 100

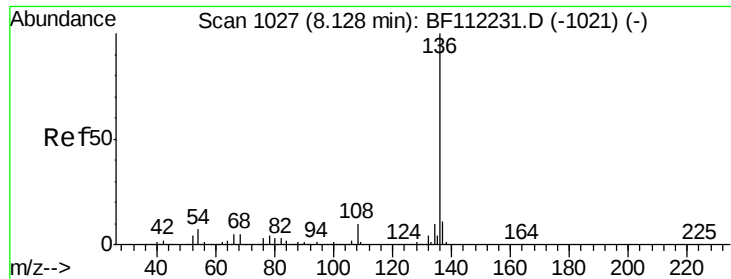
65 29.3 20.3 60.3

66 43.0 42.4 82.4



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

Instrument :

BNA_F

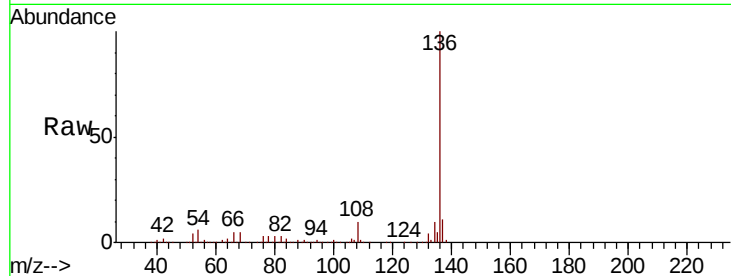
ClientSampled :

TP-5

Tot Ion	Ratio	Resp	Lower	Upper
136	100	670907		
137	11.0	9.1	13.7	
54	5.9	5.9	8.9#	
68	4.8	5.1	7.7#	

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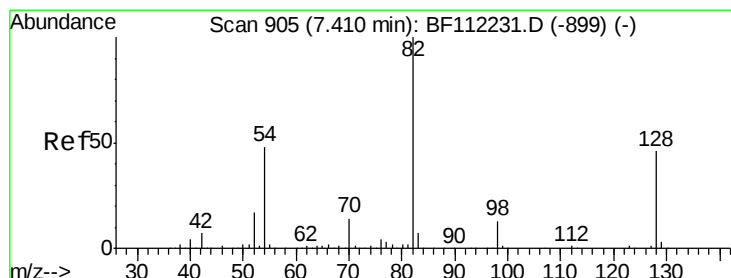
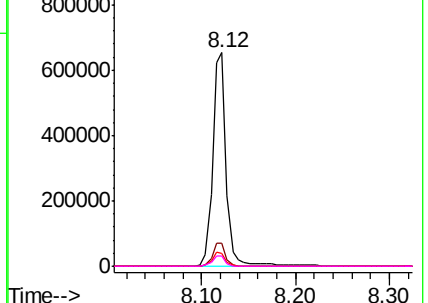
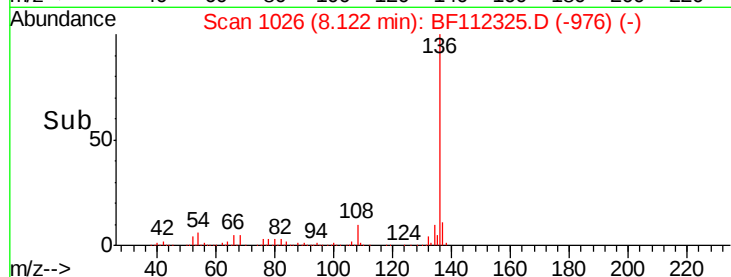


Abundance Ion 136.00 (135.70 to 136.70): E

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: 63.328 ng

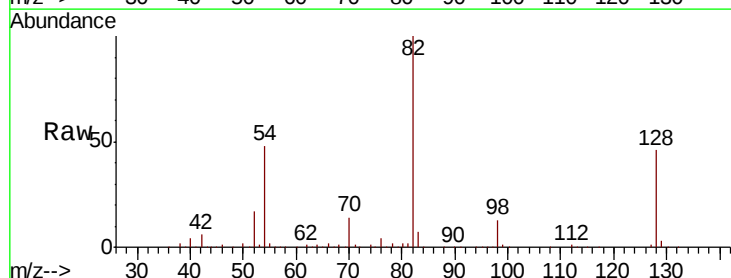
RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

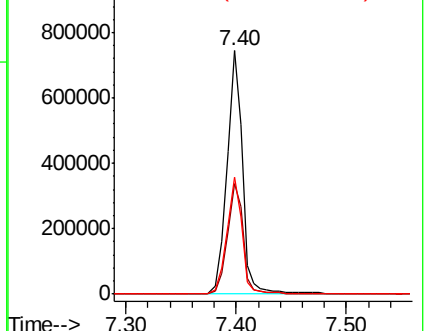
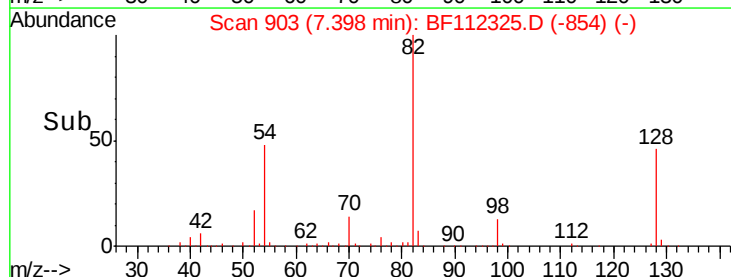
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	737375		
128	45.6	37.8	56.8	
54	48.0	39.7	59.5	

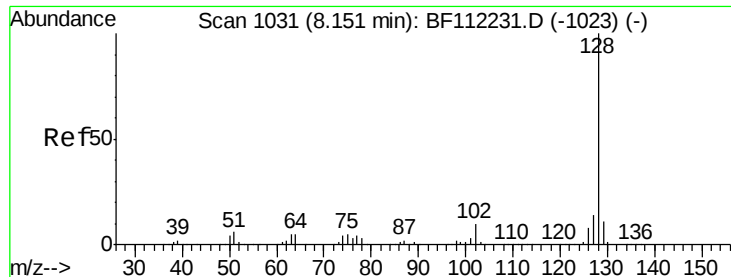


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





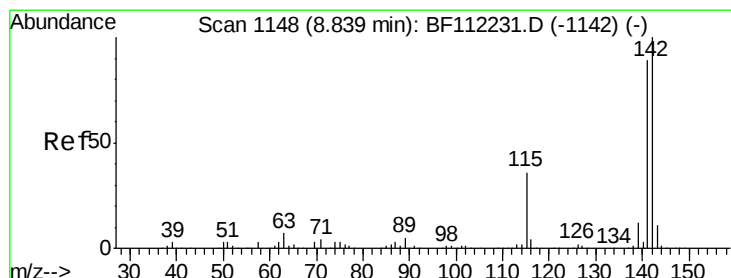
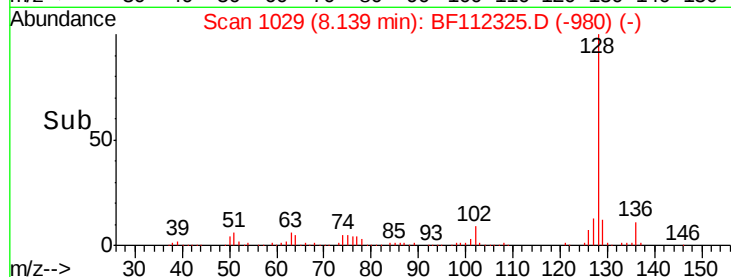
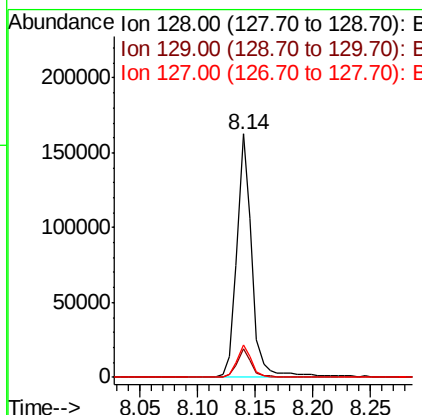
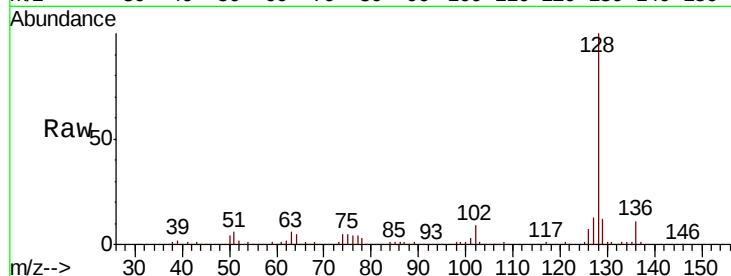
#31
Naphthalene
Concen: 4.708 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.6	14.4
127	13.1	11.1	16.7

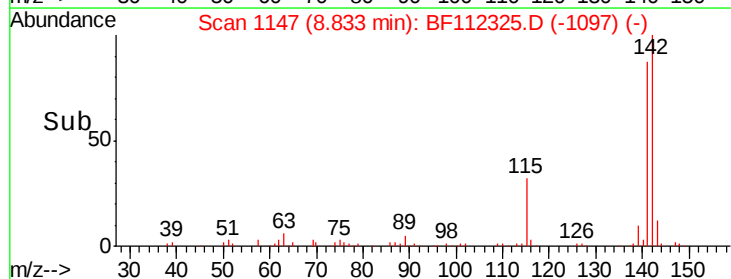
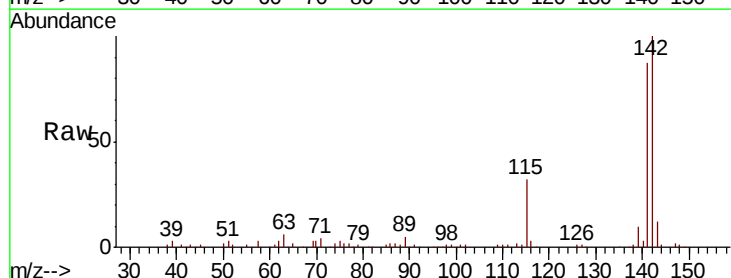
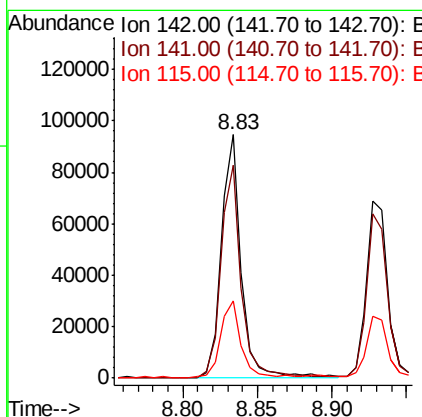
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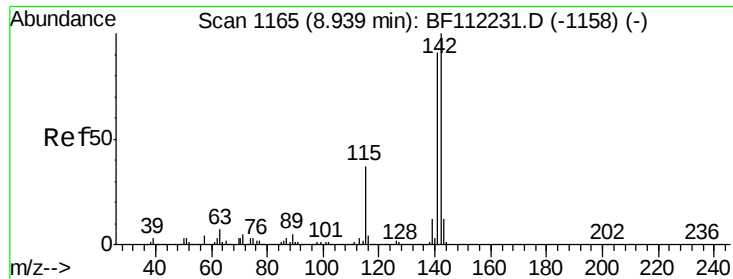
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#37
2-Methylnaphthalene
Concen: 4.160 ng
RT: 8.83 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.9	106.3
115	32.0	24.9	37.3





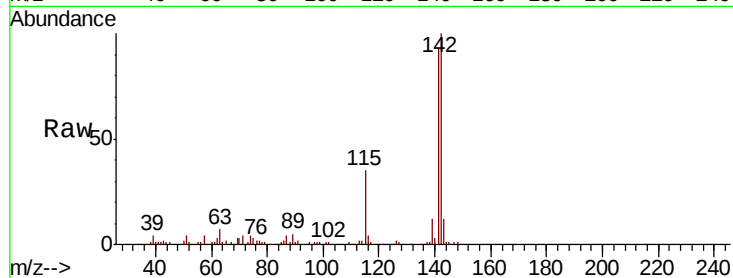
#38
1-Methylnaphthalene
Concen: 3.399 ng
RT: 8.93 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.7	72.6	108.8
116	3.8	2.8	4.2

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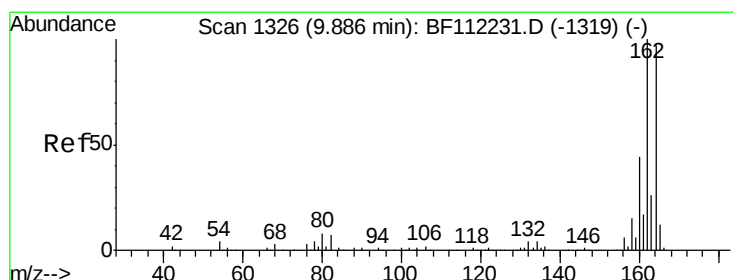
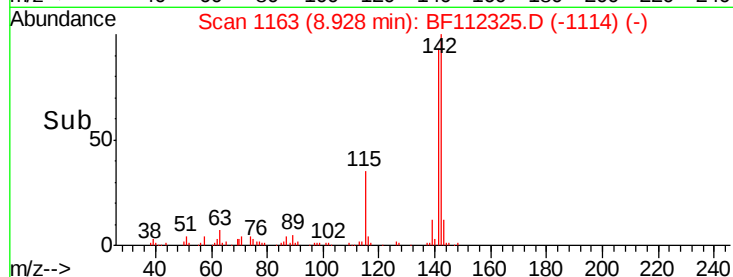
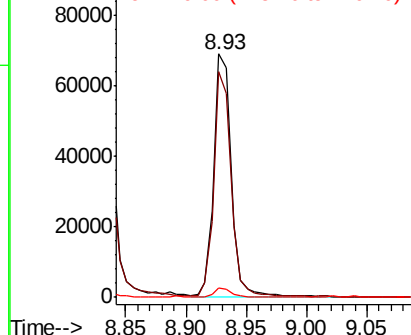


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

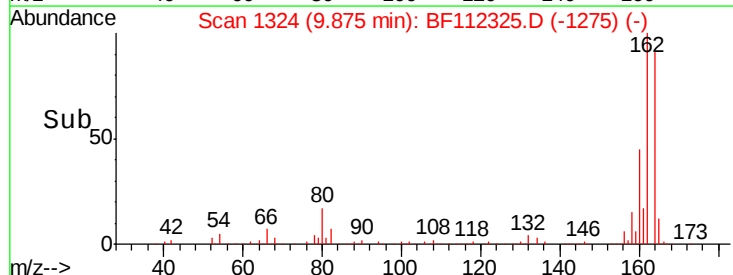
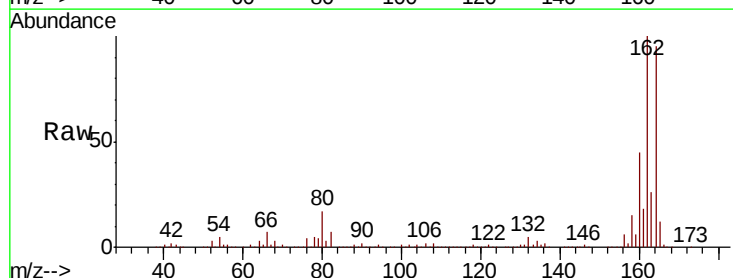
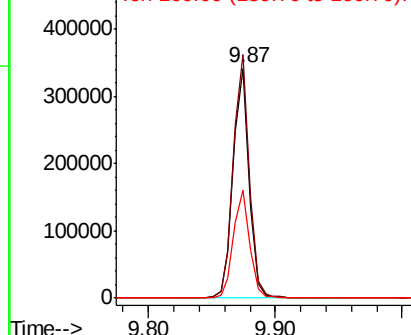
Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.8	82.2	123.4
160	47.1	36.2	54.4

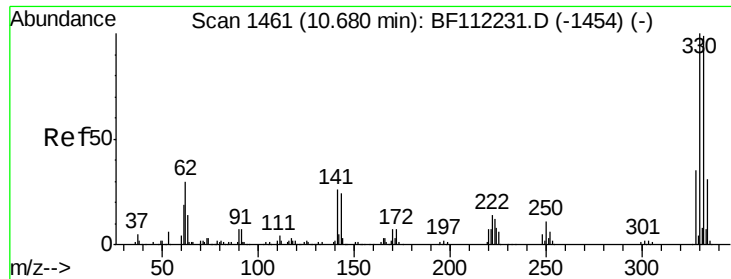
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 81.371 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

Instrument :

BNA_F

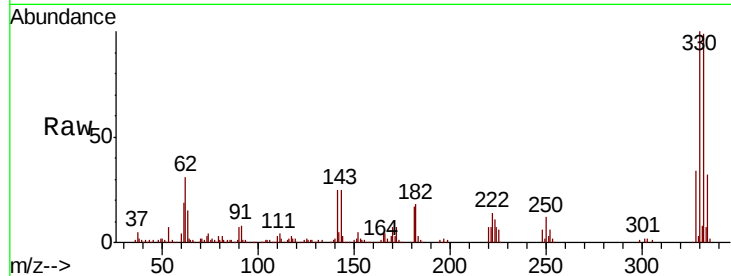
ClientSampleId :

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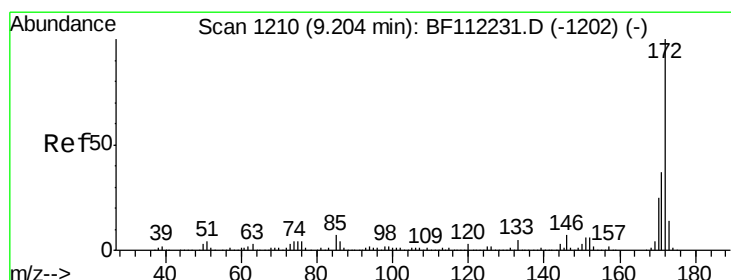
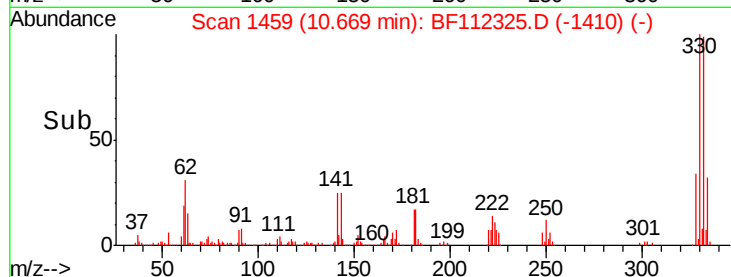
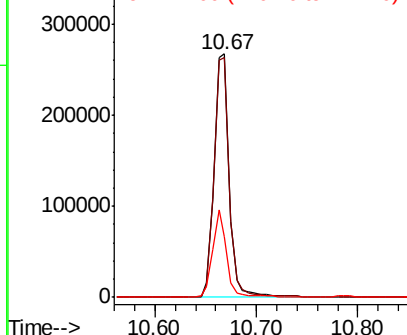
Tot Ion:	330	Resp:	281156
Ion Ratio	Lower	Upper	
330	100		
332	98.1	76.6	114.8
141	33.8	24.3	36.5

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 57.345 ng

RT: 9.19 min Scan# 1208

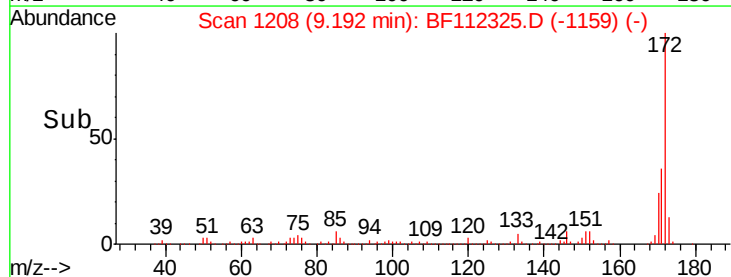
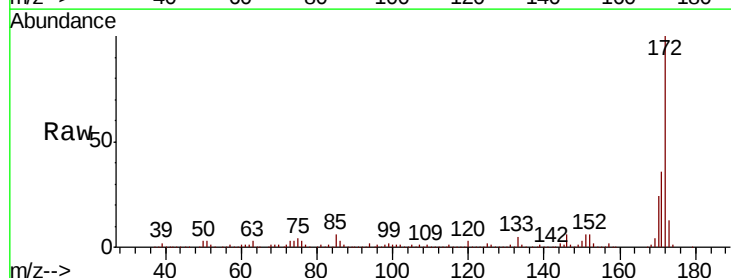
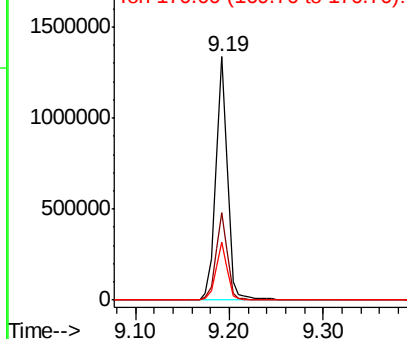
Delta R.T. -0.01 min

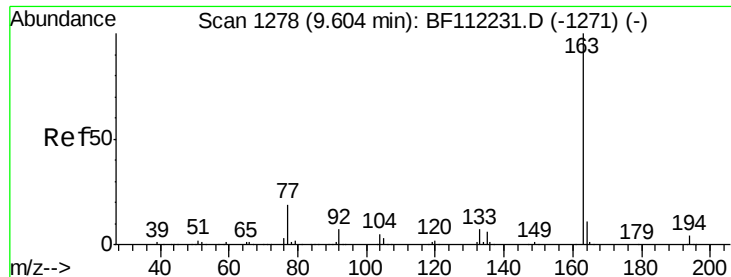
Lab File: BF112325.D

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Tgt Ion:	172	Resp:	1203581
Ion Ratio	Lower	Upper	
172	100		
171	35.7	30.5	45.7
170	23.7	20.2	30.4

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





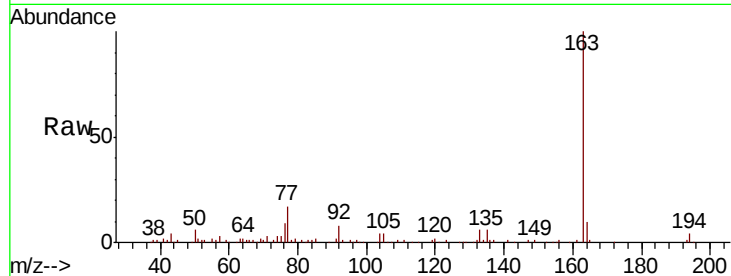
#50
Dimethylphthalate
Concen: 4.608 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Resp	Lower	Upper
163	100	106280		
194	3.8		3.3	4.9
164	9.8		8.5	12.7

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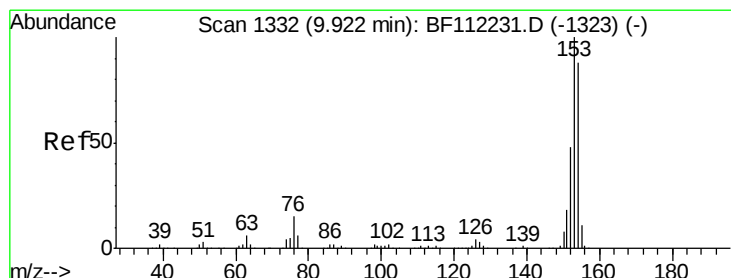
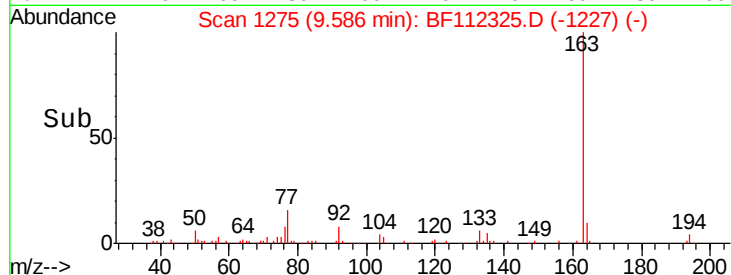
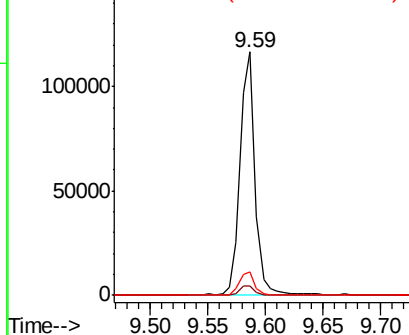


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 11.413 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

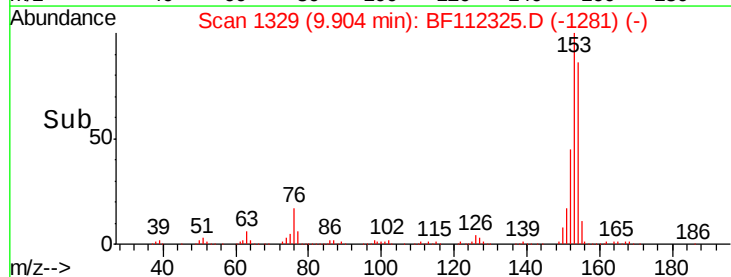
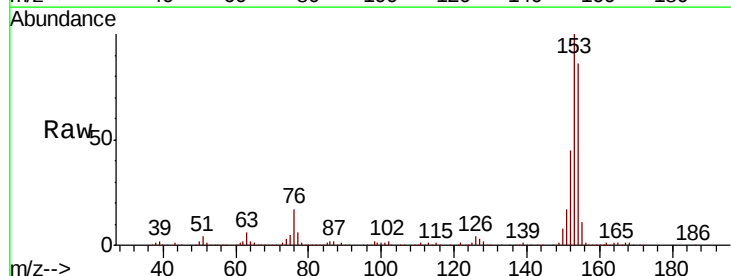
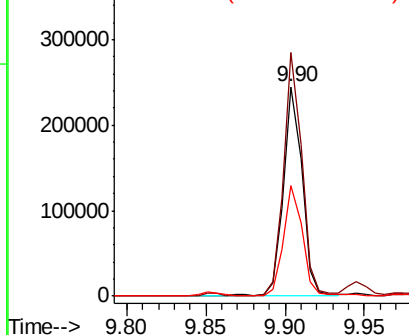
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	201110		
153	116.2		89.8	134.6
152	52.8		43.5	65.3

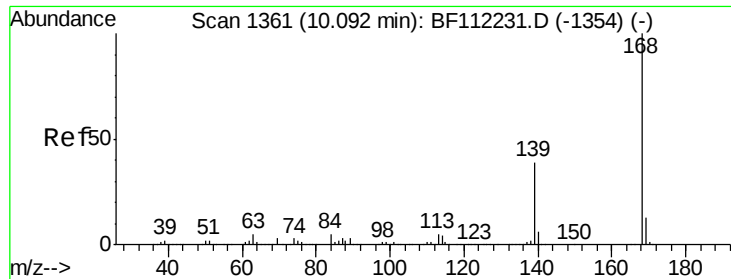
Abundance

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





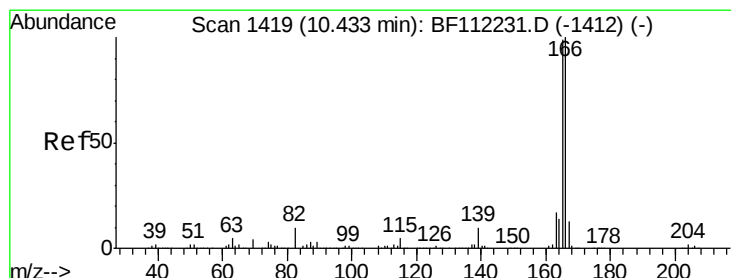
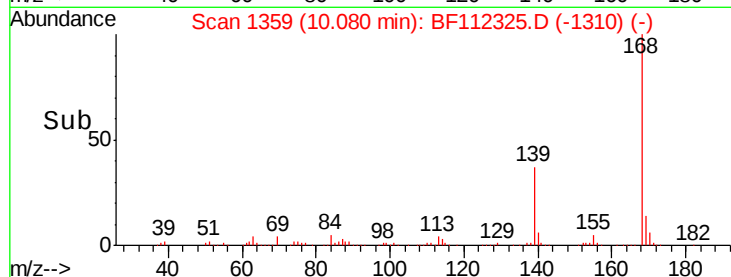
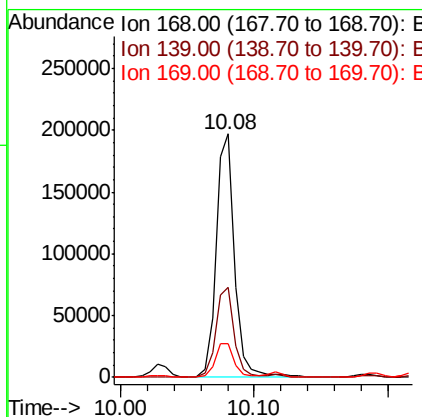
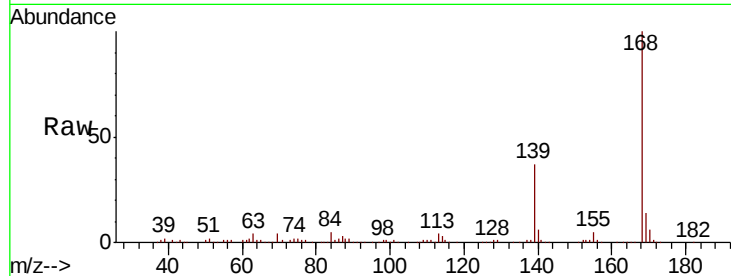
#55
Dibenzenofuran
Concen: 7.086 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.9	29.2	43.8
169	13.7	11.4	17.0

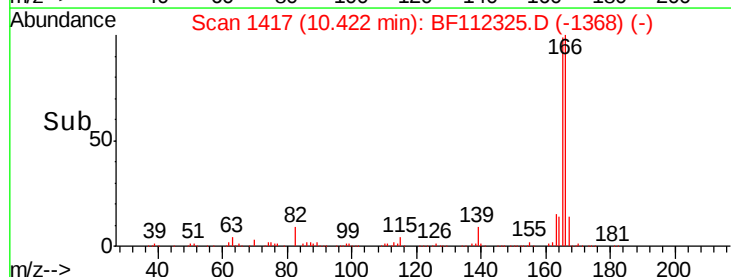
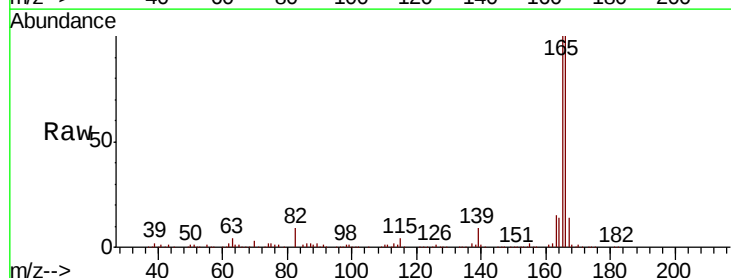
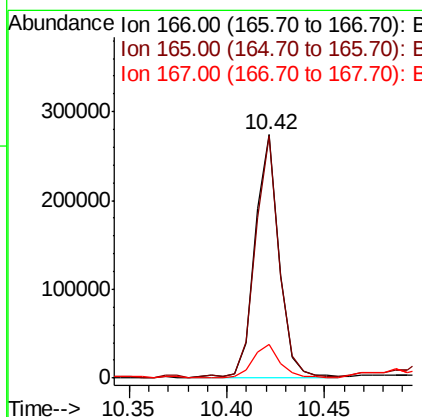
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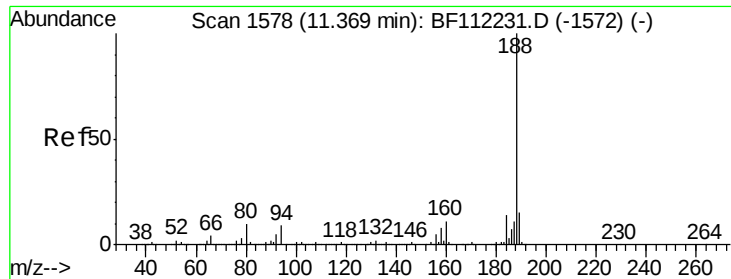
mohammad
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#58
Fluorene
Concen: 11.575 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.6	77.1	115.7
167	14.1	11.3	16.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

Instrument :

BNA_F

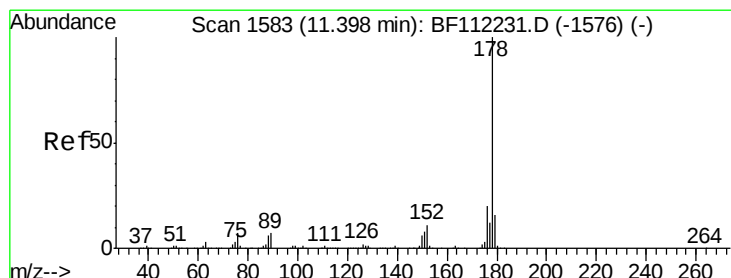
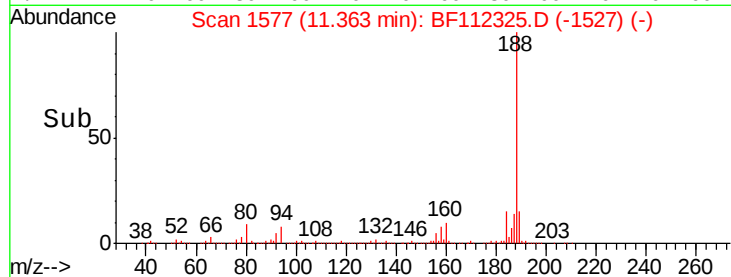
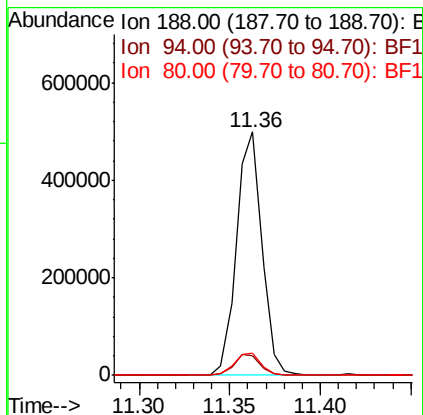
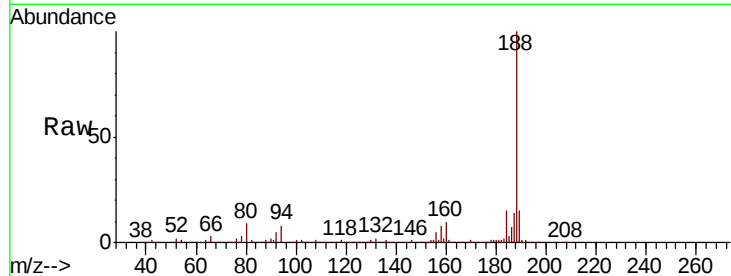
ClientSampleId :

TP-5

Tot Ion:	188	Resp:	488314
Ion Ratio	Lower	Upper	
188	100		
94	8.1	8.2	12.2#
80	8.9	8.9	13.3

Manual Integrations
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#71

Phenanthrene

Concen: 71.675 ng

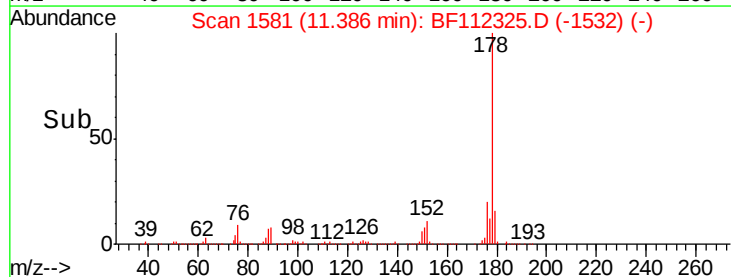
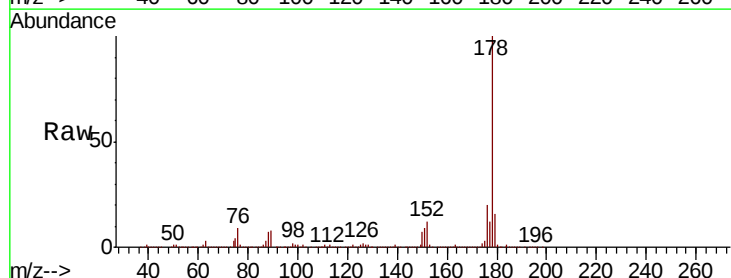
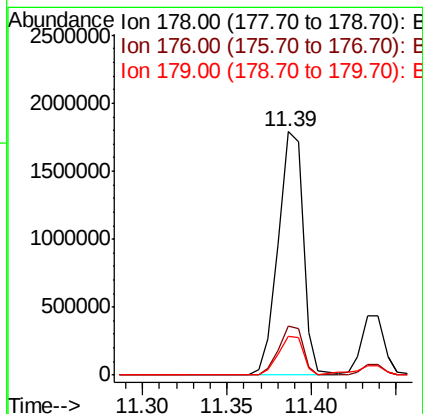
RT: 11.39 min Scan# 1581

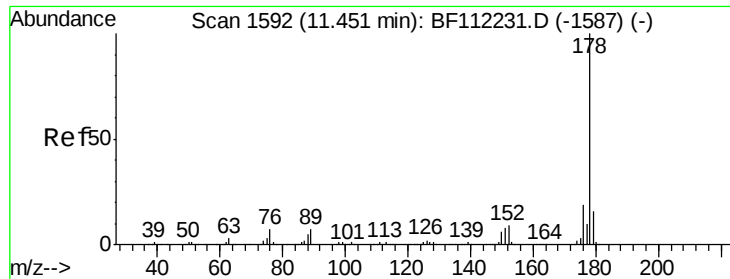
Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

Tgt Ion:	178	Resp:	1819598
Ion Ratio	Lower	Upper	
178	100		
176	20.0	16.3	24.5
179	16.2	13.0	19.4





#72

Anthracene

Concen: 15.951 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

Instrument :

BNA_F

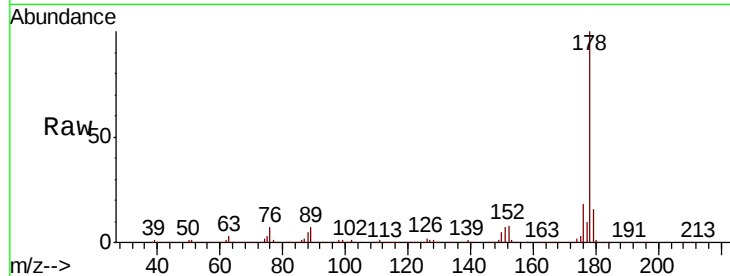
ClientSampleId :

TP-5

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.5	23.3
179	15.8	12.8	19.2

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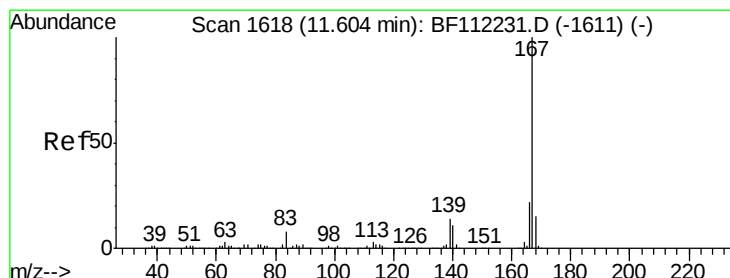
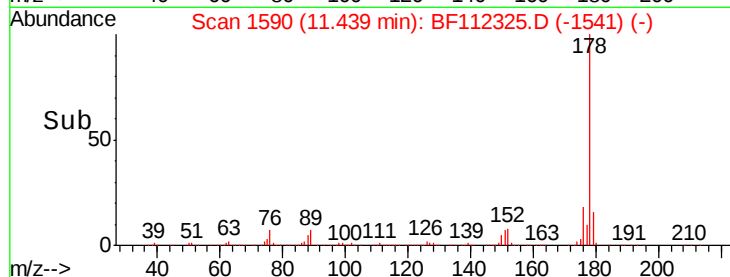
Abundance

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

Time-->



#73

Carbazole

Concen: 4.408 ng

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.9	26.9
139	12.7	10.2	15.2

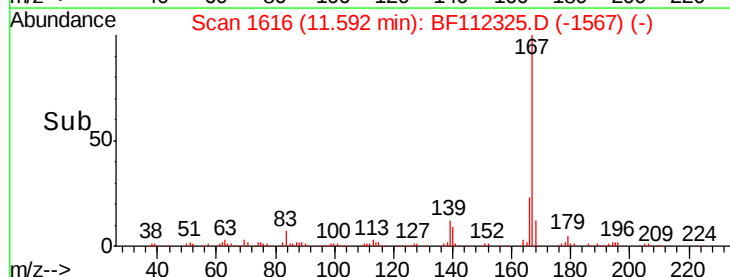
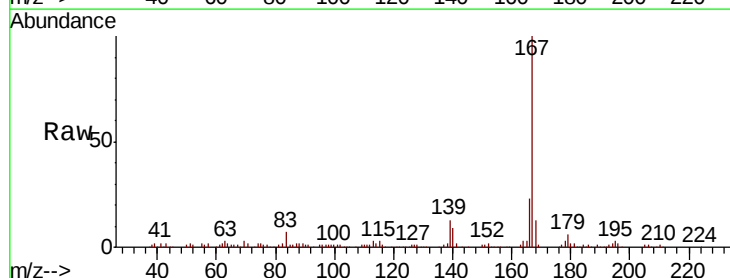
Abundance

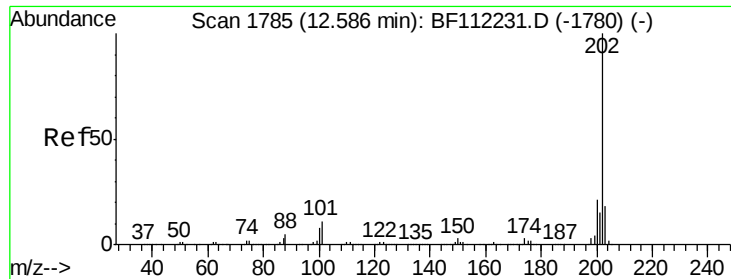
Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

Time-->





#75

Fluoranthene

Concen: 61.357 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

Instrument :

BNA_F

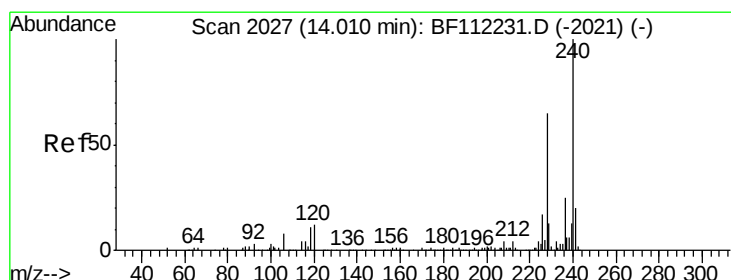
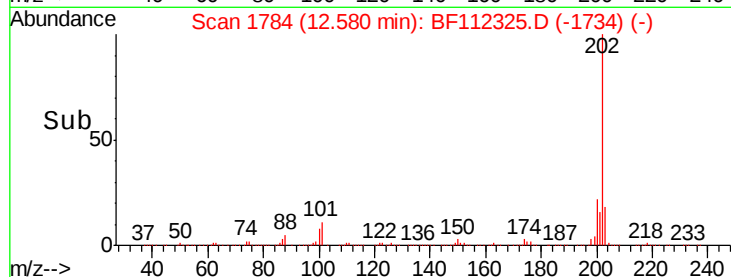
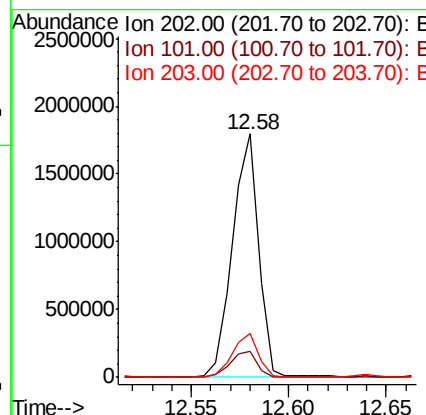
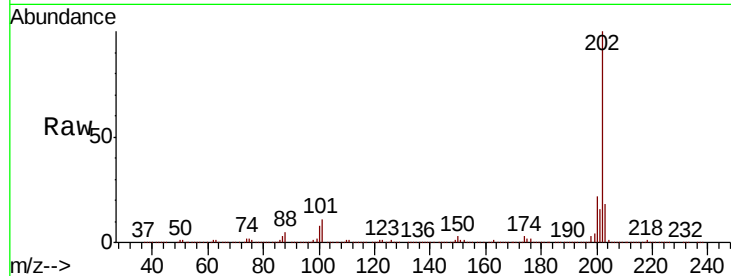
ClientSampleId :

TP-5

Tot Ion:	202	Resp:	1670688
Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.8
203	18.3	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

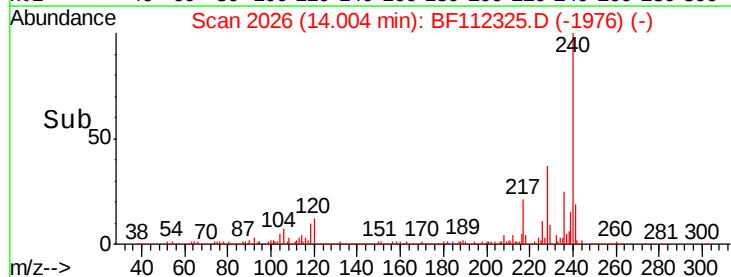
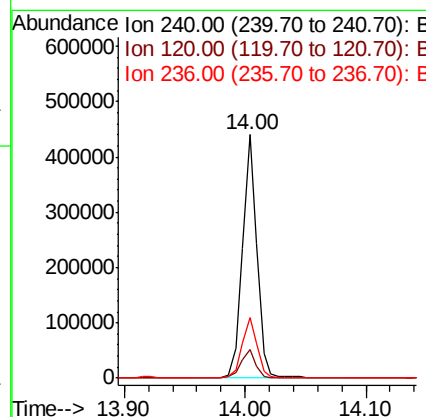
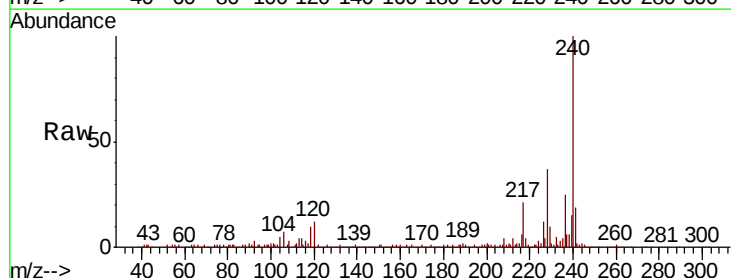
RT: 14.00 min Scan# 2026

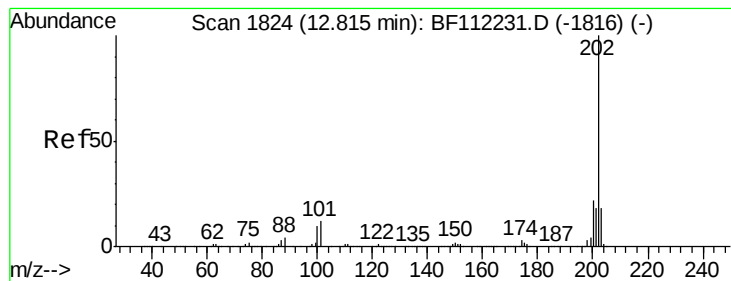
Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

Tgt Ion:	240	Resp:	368289
Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.0	13.6
236	25.1	20.7	31.1





#78

Pvrene

Concen: 58.331 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

Instrument :

BNA_F

ClientSampleId :

TP-5

Tot Ion:202 Resp: 1487329

Ion Ratio Lower Upper

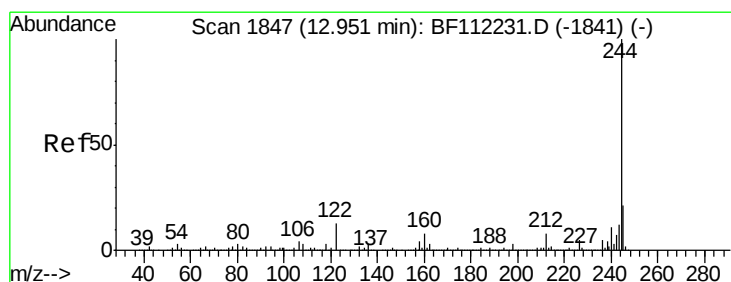
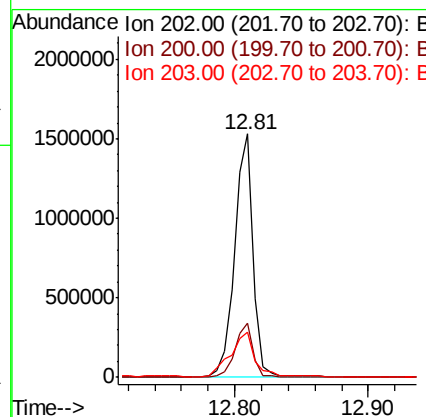
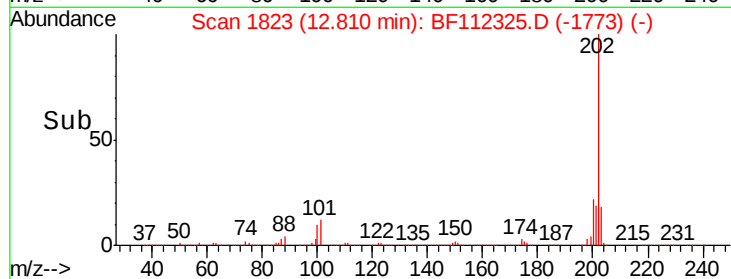
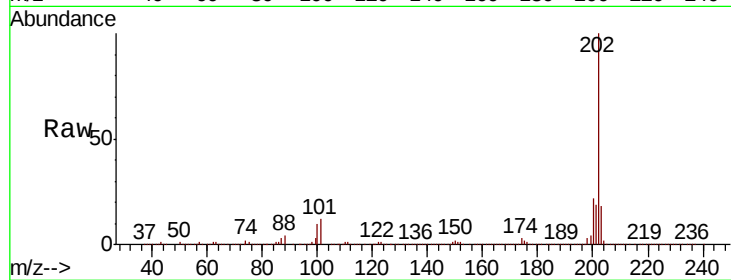
202 100

200 22.2 17.7 26.5

203 18.4 14.6 22.0

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#79

Terphenyl-d14

Concen: 43.103 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

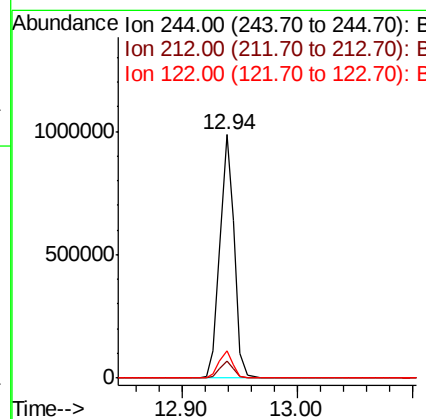
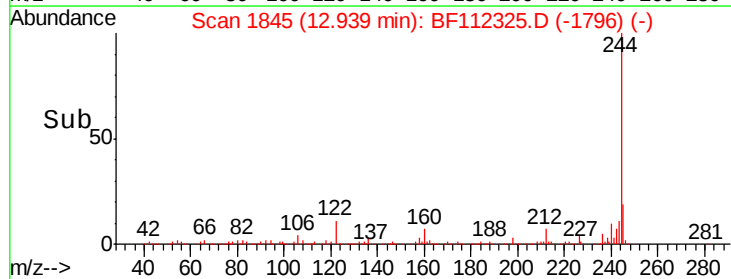
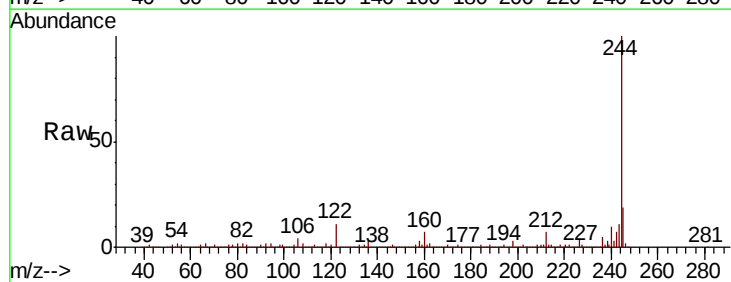
Tgt Ion:244 Resp: 842845

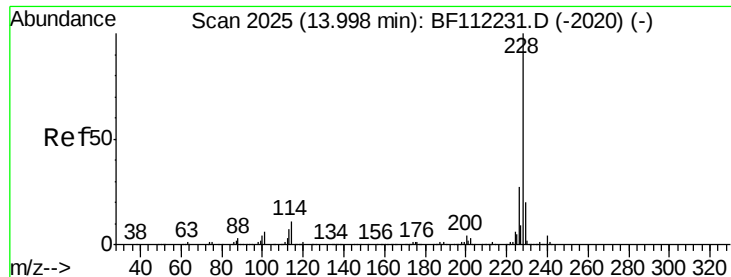
Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

122 11.4 9.8 14.6





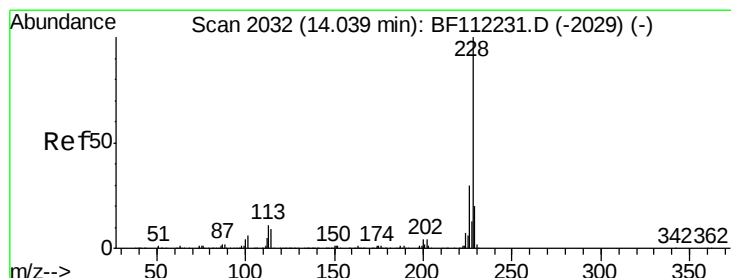
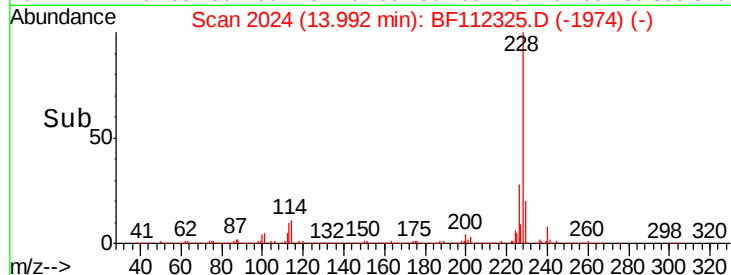
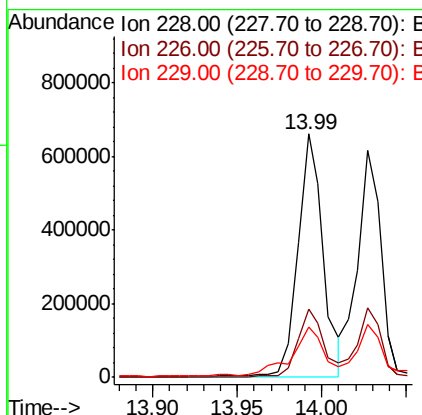
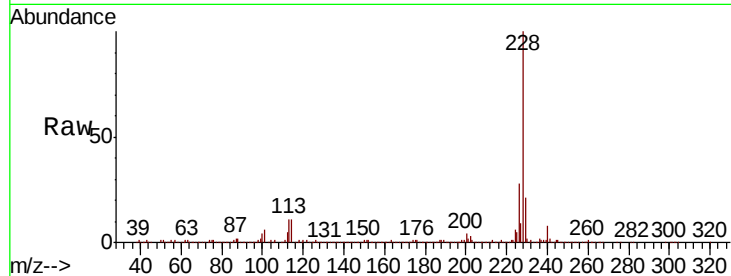
#81
Benzo(a)anthracene
Concen: 31.684 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion:	228	Resp:	685956
Ion Ratio	Lower	Upper	
228	100		
226	28.2	22.6	34.0
229	20.6	16.5	24.7

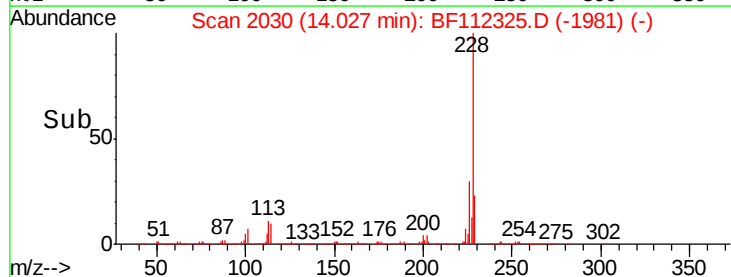
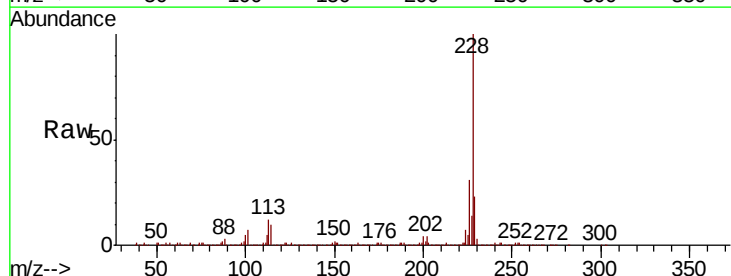
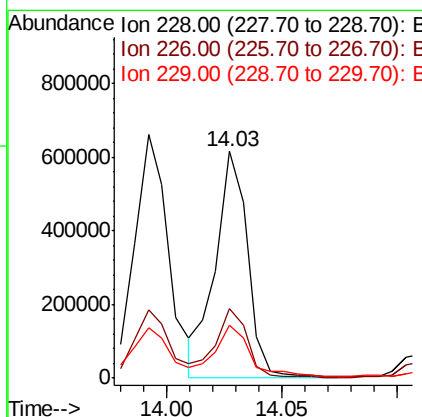
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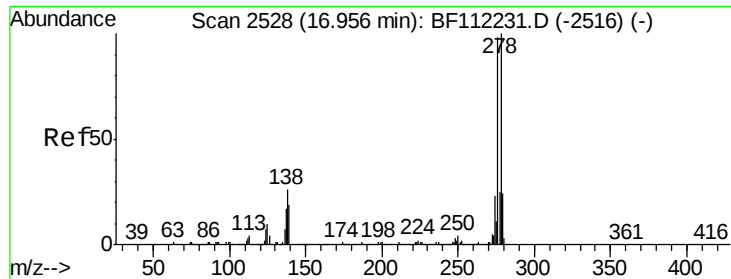
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#83
Chrysene
Concen: 28.755 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

Tgt Ion:	228	Resp:	594256
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.0	37.6
229	23.4	16.6	24.8





#86

Indeno(1,2,3-cd)pyrene

Concen: 15.143 ng

RT: 16.94 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

Instrument :

BNA_F

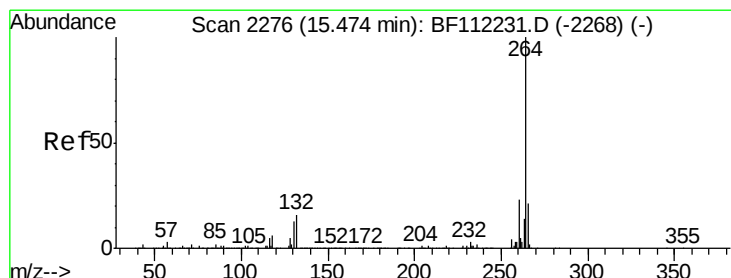
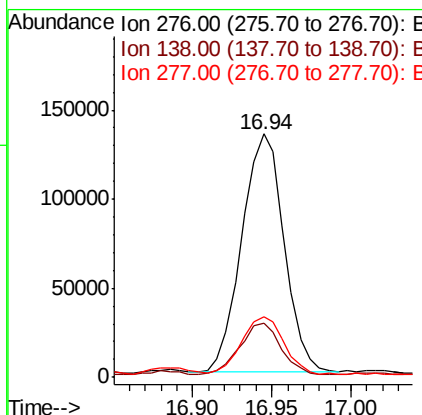
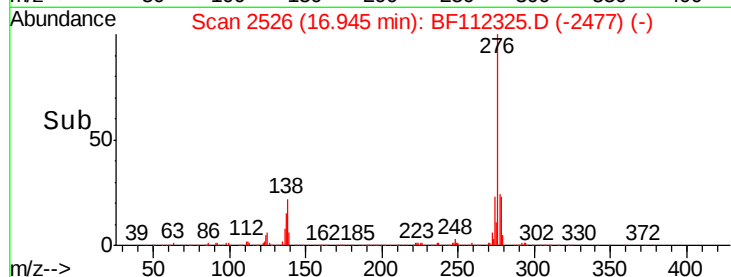
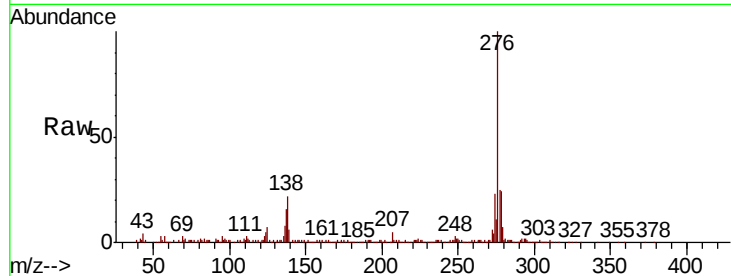
ClientSampleId :

TP-5

Tot Ion:	276	Resp:	247968
Ion Ratio	Lower	Upper	
276	100		
138	21.1	22.6	34.0#
277	24.5	20.3	30.5

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#87

Perylene-d12

Concen: 20.000 ng

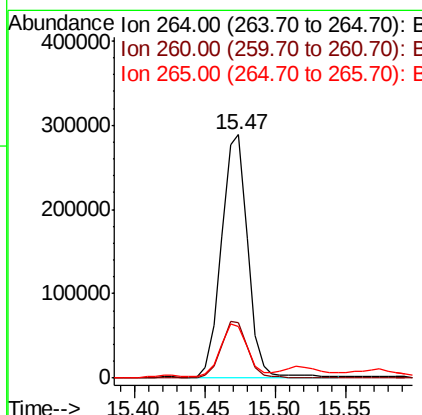
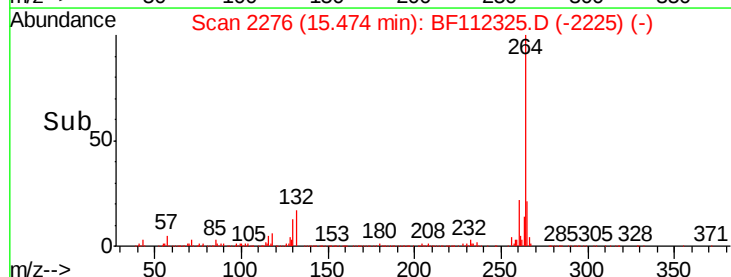
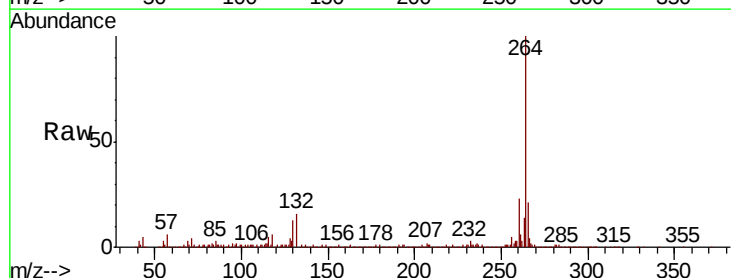
RT: 15.47 min Scan# 2276

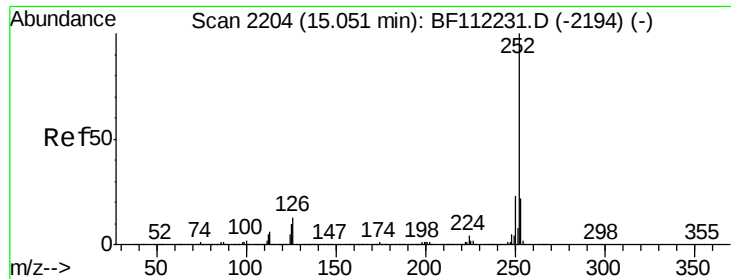
Delta R.T. 0.00 min

Lab File: BF112325.D

Acq: 30 Jan 2019 16:51

Tgt Ion:	264	Resp:	372620
Ion Ratio	Lower	Upper	
264	100		
260	22.7	18.2	27.2
265	21.2	17.0	25.4





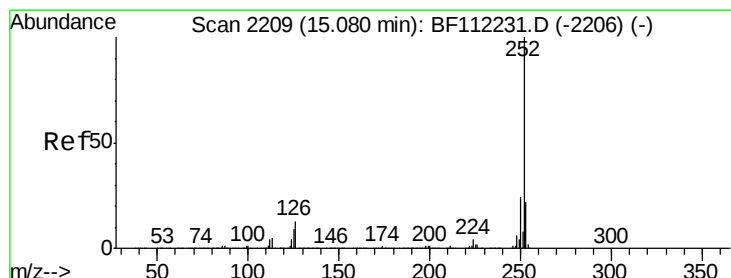
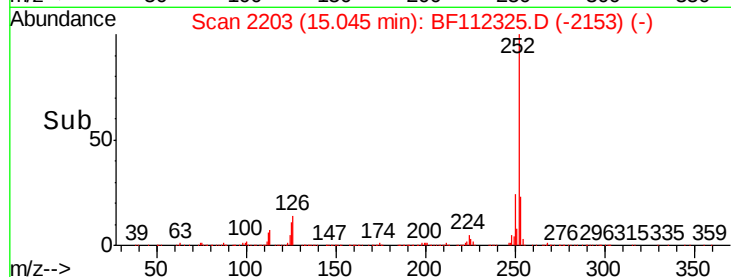
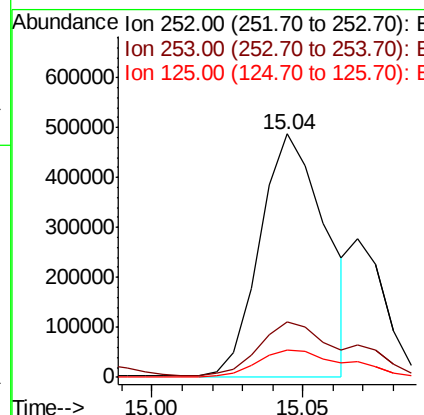
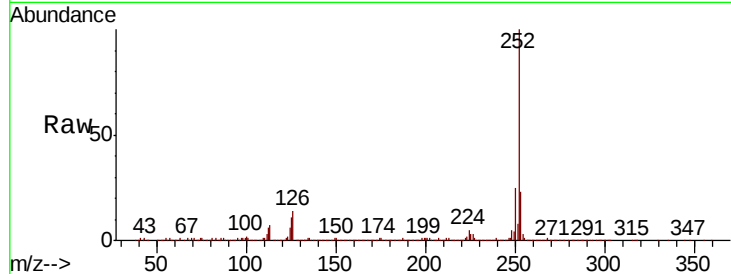
#88
Benzo(b)fluoranthene
Concen: 33.012 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

Instrument :
BNA_F
ClientSampleId :
TP-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	11.2	8.7	13.1

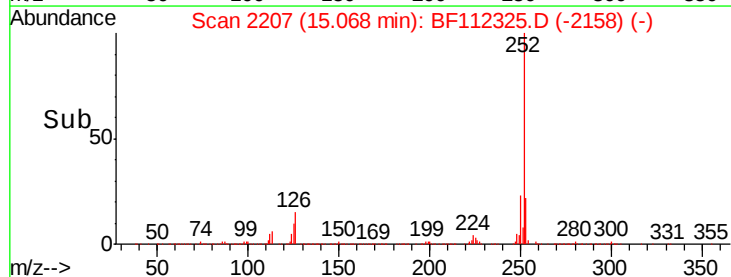
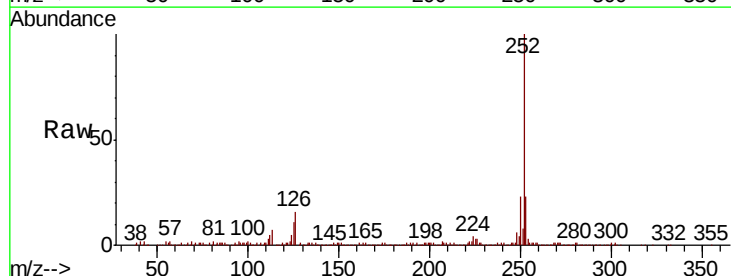
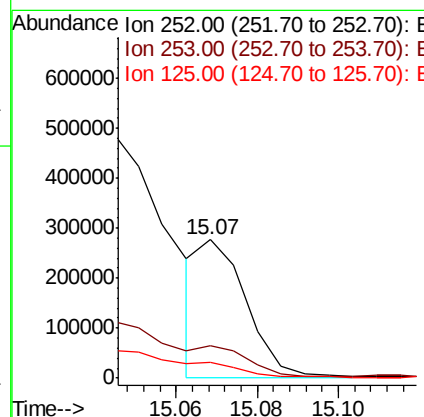
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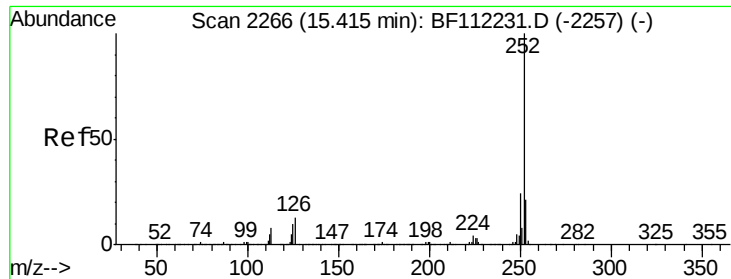
mohammad
2/1/2019 12:06:42 AM



#89
Benzo(k)fluoranthene
Concen: 10.533 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	11.1	9.1	13.7





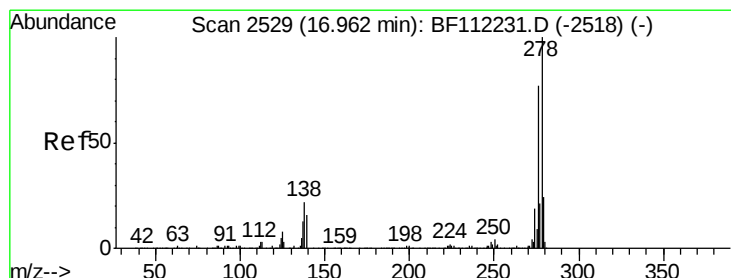
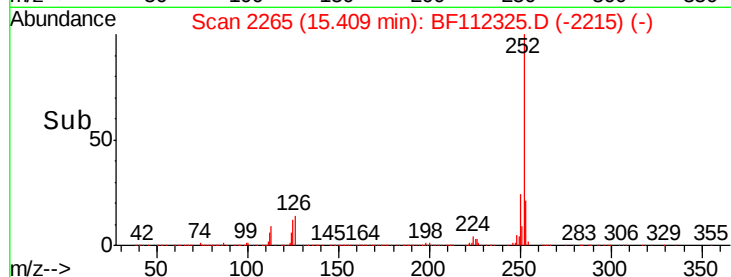
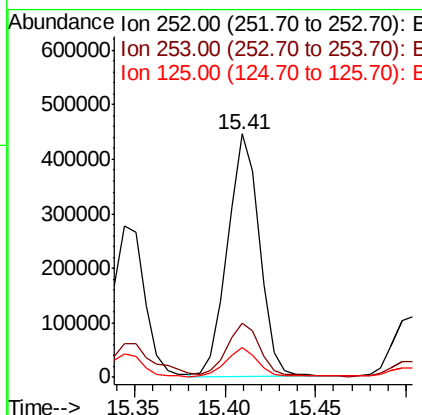
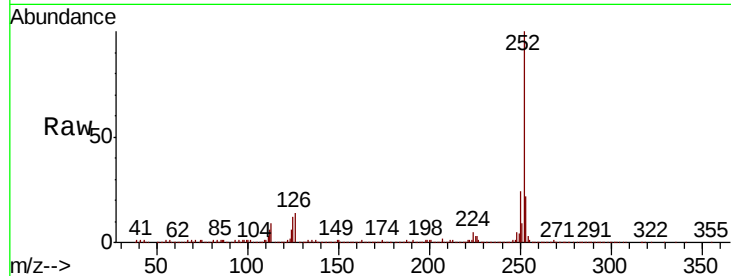
#90
Benzo(a)pyrene
Concen: 27.168 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

Instrument :
BNA_F
ClientSampled :
TP-5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	12.5	9.0	13.4

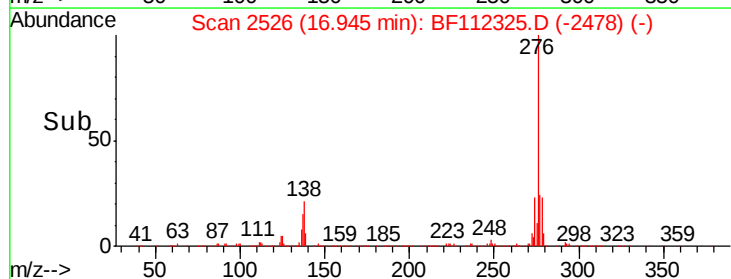
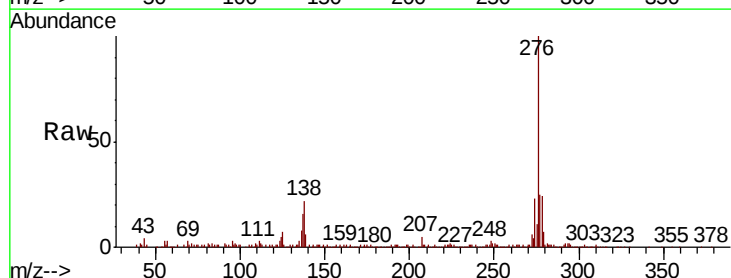
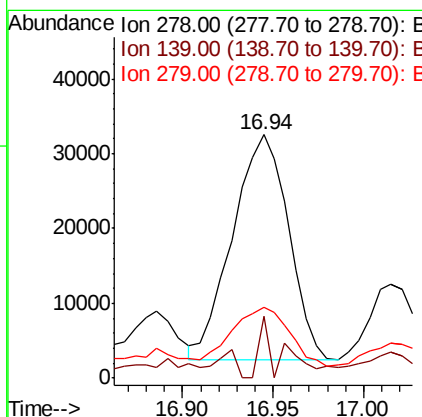
Manual Integrations
APPROVED

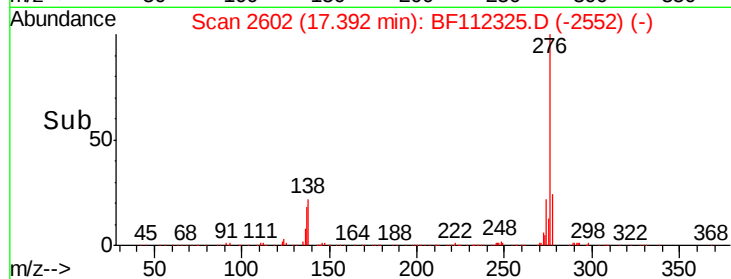
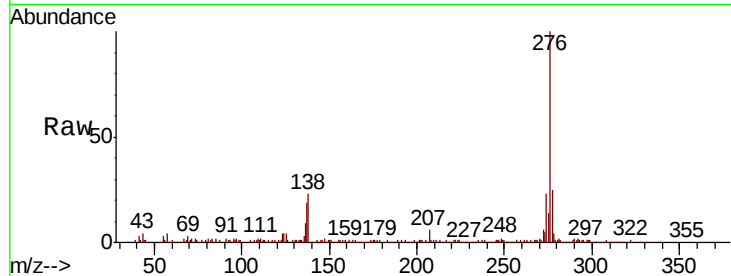
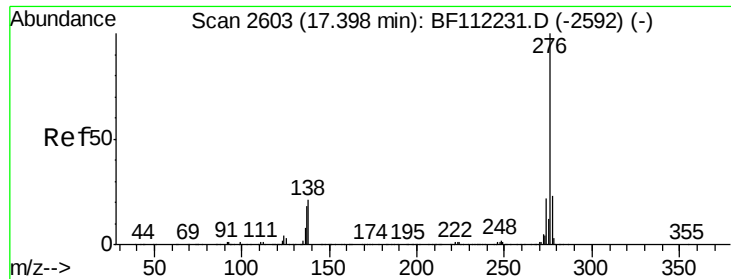
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 3.996 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.02 min
Lab File: BF112325.D
Acq: 30 Jan 2019 16:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.6	13.7	20.5#
279	29.3	19.0	28.6#





#92
 Benzo(a,h,i)perylene
 Concen: 15.606 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. -0.01 min
 Lab File: BF112325.D
 Acq: 30 Jan 2019 16:51

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	24.7	19.4	29.0
138	23.4	19.1	28.7

Manual Integrations
 APPROVED

mohammad
 2/1/2019 12:06:42 AM

