

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012419\
 Data File : BF112208.D
 Acq On : 24 Jan 2019 14:56
 Operator : JU/SJ
 Sample : K1003-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-012319

Manual Integrations
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Sohil
 1/25/2019 10:05:00 AM

Quant Time: Jan 24 15:30:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jan 19 01:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	215749	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	835177	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	412461	20.00	ng	-0.01
64) Phenanthrene-d10	11.37	188	805123	20.00	ng	-0.01
76) Chrysene-d12	14.02	240	549537	20.00	ng	-0.01
87) Perylene-d12	15.49	264	572446	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	1078133	90.70	ng	0.00
7) Phenol-d6	6.50	99	1359119	91.39	ng	0.00
23) Nitrobenzene-d5	7.41	82	853278	70.59	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	435993	97.99	ng	-0.01
45) 2-Fluorobiphenyl	9.21	172	1698224	60.36	ng	0.00
79) Terphenyl-d14	12.96	244	1634819	63.29	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.51	94	70552	4.341	ng	79
31) Naphthalene	8.15	128	143778	3.785	ng	97
50) Dimethylphthalate	9.60	163	130704	4.345	ng	100
52) Acenaphthene	9.92	154	89513	3.714	ng	96
55) Dibenzofuran	10.09	168	145143	3.982	ng	98
58) Fluorene	10.43	166	189073	6.942	ng	97
71) Phenanthrene	11.40	178	990976	24.457	ng	98
72) Anthracene	11.45	178	321811	7.840	ng	98
73) Carbazole	11.60	167	144589	3.517	ng	99
75) Fluoranthene	12.59	202	752096	17.580	ng	98
78) Pyrene	12.82	202	571904	15.774	ng	98
81) Benzo(a)anthracene	14.00	228	245170	7.781	ng	98
83) Chrysene	14.04	228	216819	7.272	ng	96
86) Indeno(1,2,3-cd)pyrene	16.97	276	118642	4.313	ng	95
88) Benzo(b)fluoranthene	15.06	252	284241m	8.747	ng	
89) Benzo(k)fluoranthene	15.09	252	77272m	2.457	ng	
90) Benzo(a)pyrene	15.43	252	197323	6.622	ng	99
92) Benzo(g,h,i)perylene	17.42	276	117936	4.523	ng	97

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

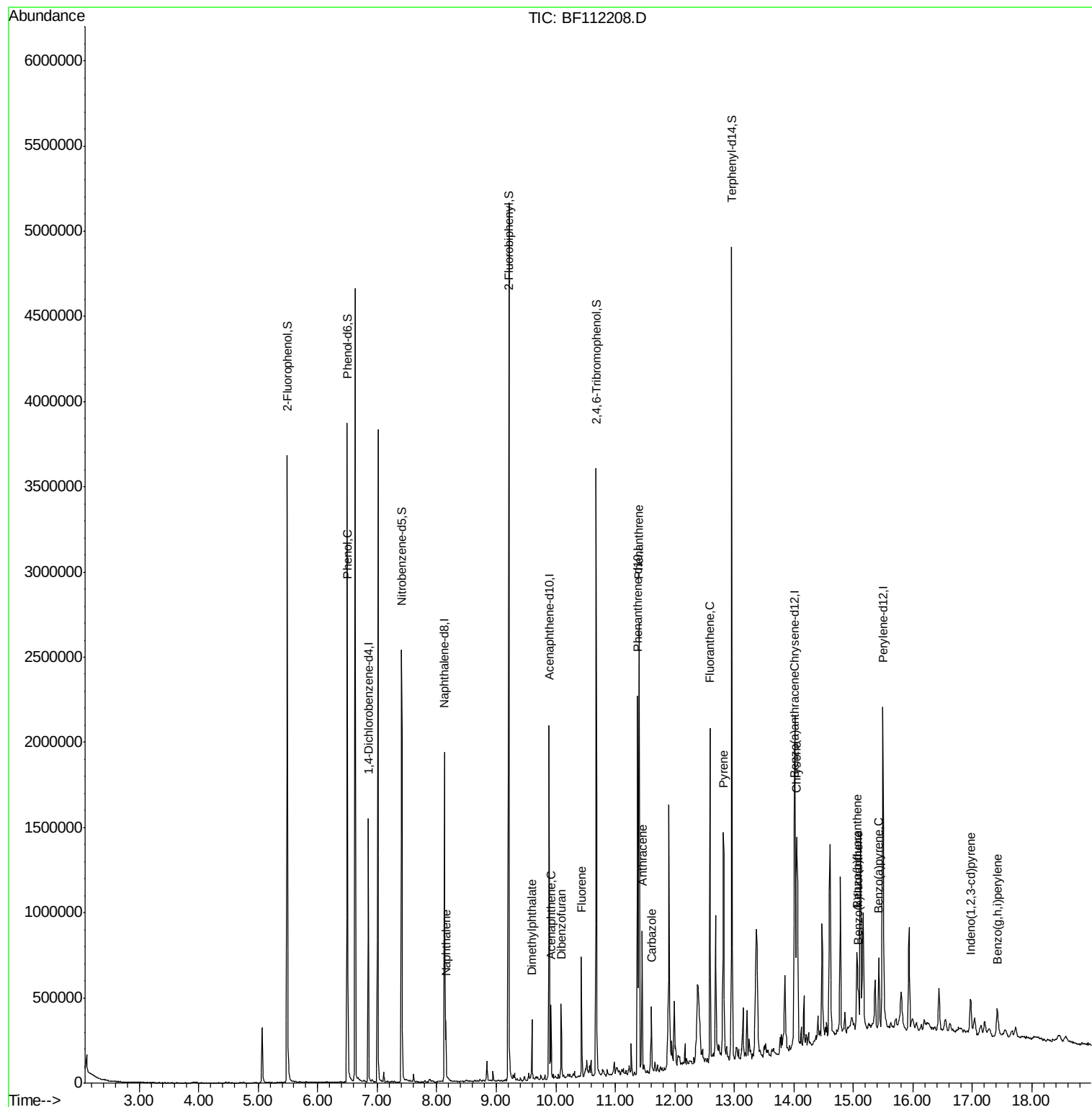
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012419\
Data File : BF112208.D
Acq On : 24 Jan 2019 14:56
Operator : JU/SJ
Sample : K1003-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

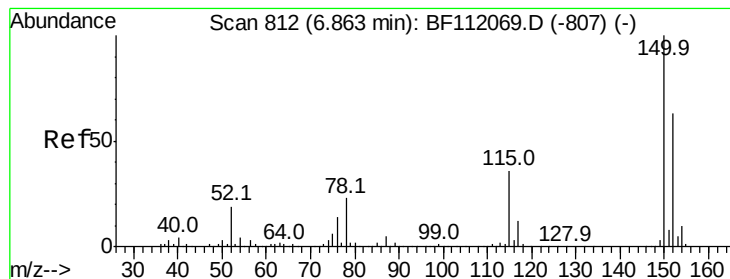
Instrument :
BNA_F
ClientSampleId :
BU-02-012319

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1/25/2019 10:05:00 AM

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

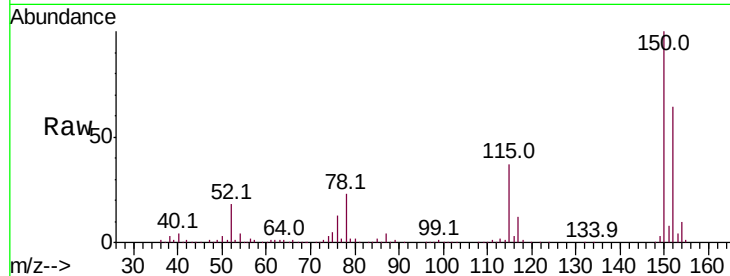
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF112208.D
Acq: 24 Jan 2019 14:56

Instrument :
BNA_F
ClientSampled :
BU-02-012319

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	127.4	191.0
115	57.7	45.5	68.3

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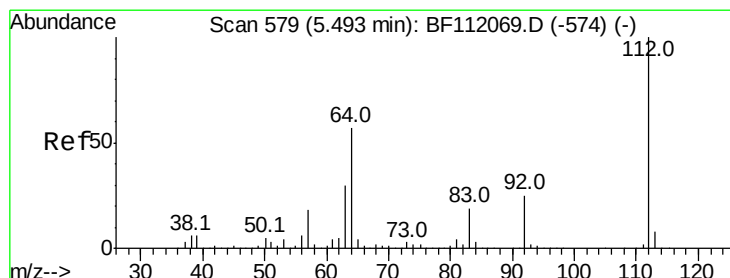
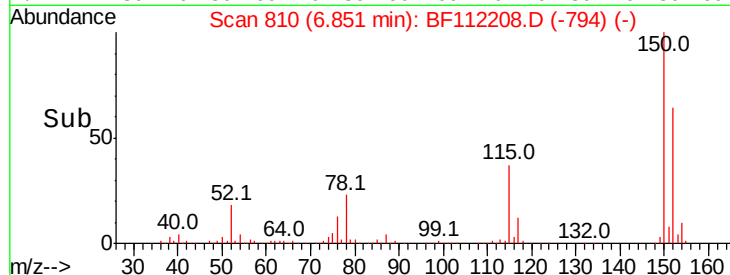
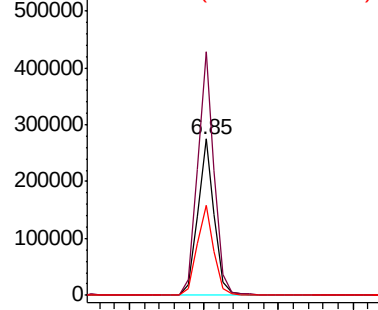


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

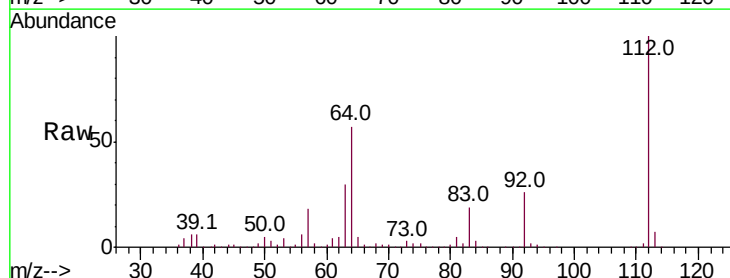
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 90.700 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF112208.D
Acq: 24 Jan 2019 14:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	45.7	68.5
63	30.3	23.6	35.4

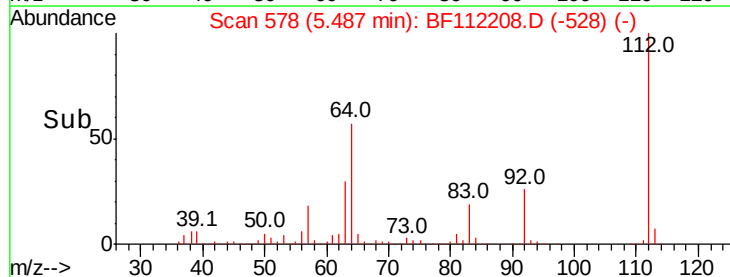
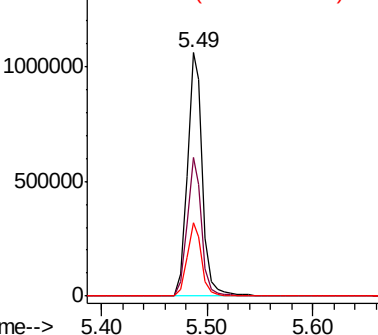


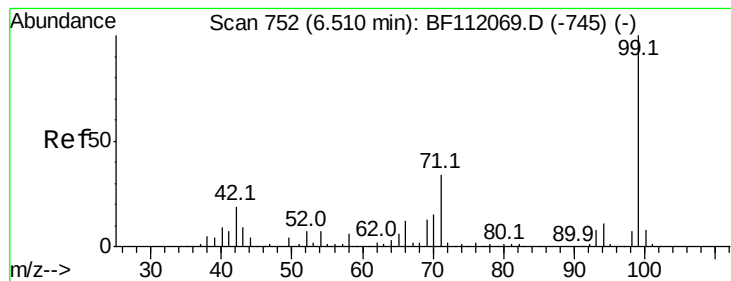
Abundance

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





#7

Phenol-d6

Concen: 91.387 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112208.D

Acq: 24 Jan 2019 14:56

Instrument :

BNA_F

ClientSampleId :

BU-02-012319

Tot Ion: 99 Resp: 1359119

Ion Ratio Lower Upper

99 100

42 18.8 15.1 22.7

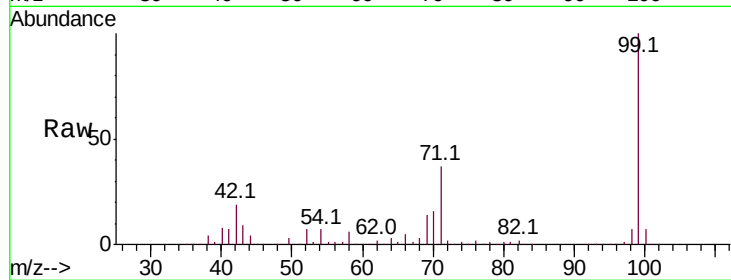
71 37.1 26.9 40.3

Manual Integrations

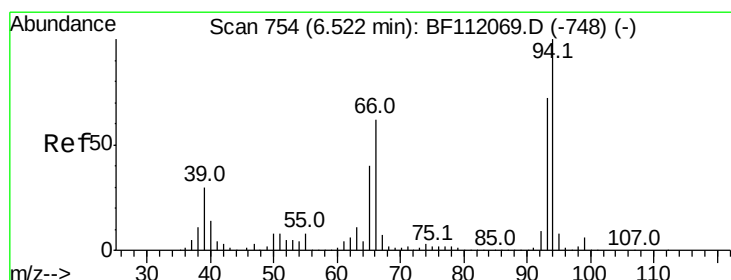
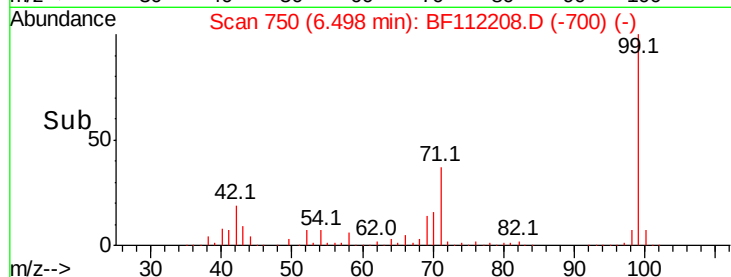
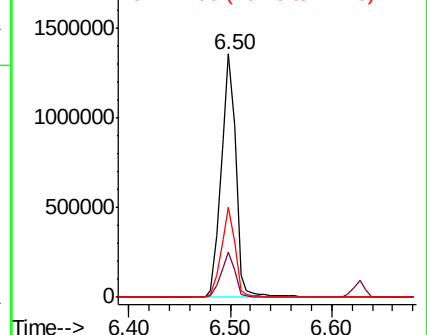
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.341 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF112208.D

Acq: 24 Jan 2019 14:56

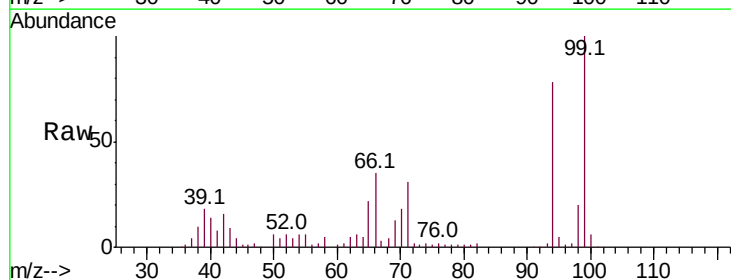
Tgt Ion: 94 Resp: 70552

Ion Ratio Lower Upper

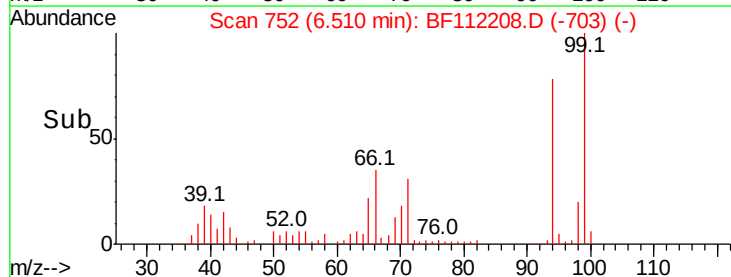
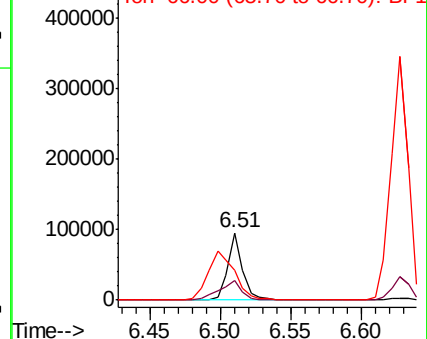
94 100

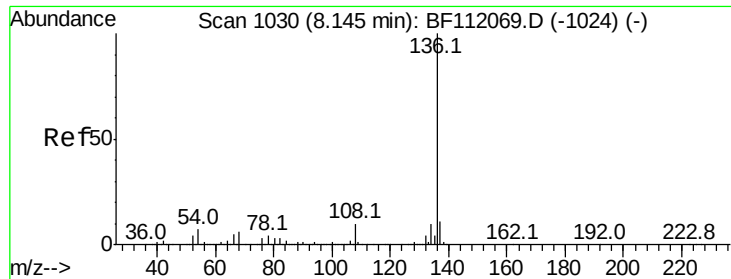
65 28.8 20.3 60.3

66 44.5 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





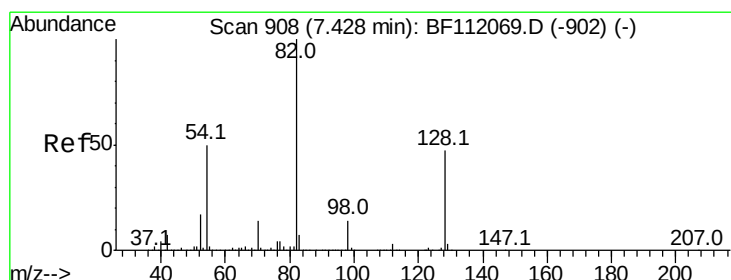
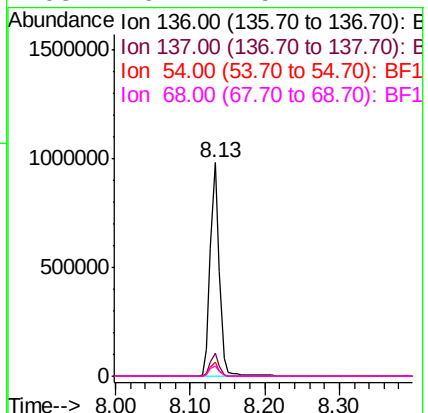
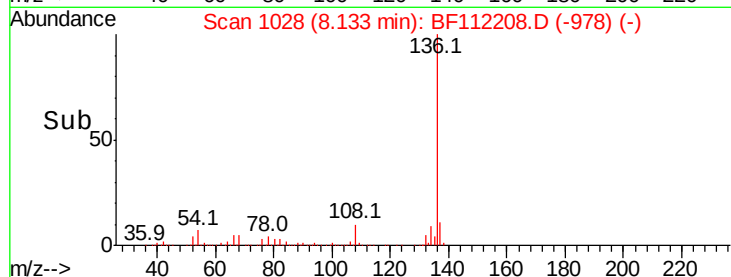
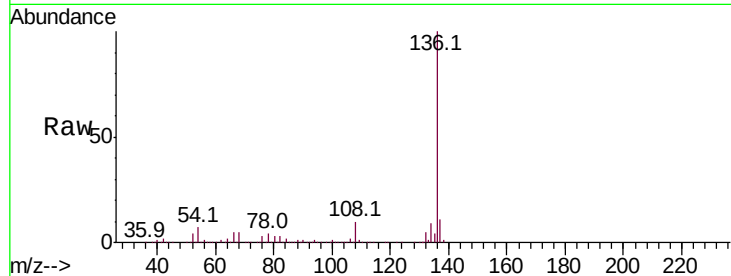
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.01 min
Lab File: BF112208.D
Acq: 24 Jan 2019 14:56

Instrument :
BNA_F
ClientSampleId :
BU-02-012319

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	9.1	13.7	
54	6.6	5.9	8.9	
68	5.1	5.1	7.7	

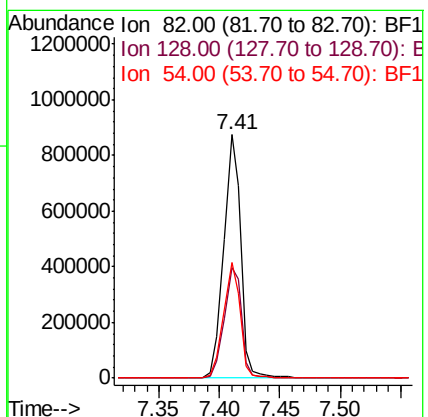
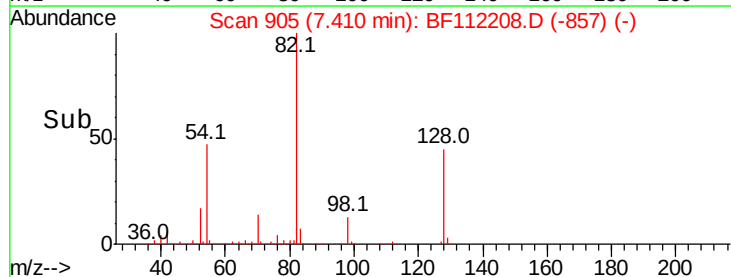
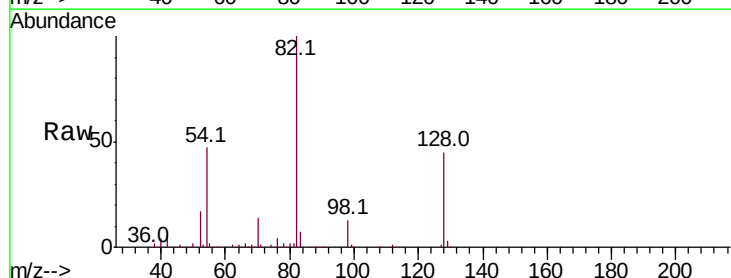
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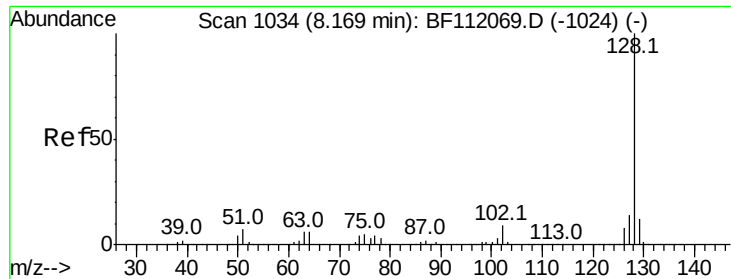
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#23
Nitrobenzene-d5
Concen: 70.586 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.02 min
Lab File: BF112208.D
Acq: 24 Jan 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.2	37.8	56.8	
54	47.4	39.7	59.5	





#31

Naphthalene

Concen: 3.785 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF112208.D

Acq: 24 Jan 2019 14:56

Instrument :

BNA_F

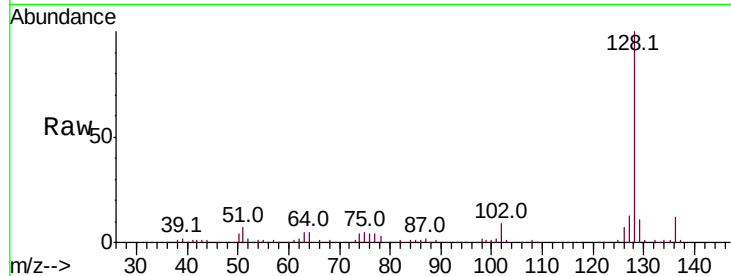
ClientSampleId :

BU-02-012319

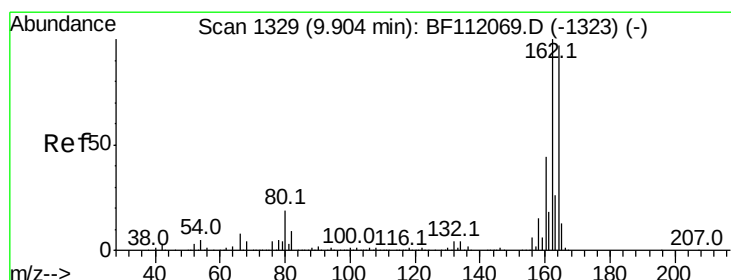
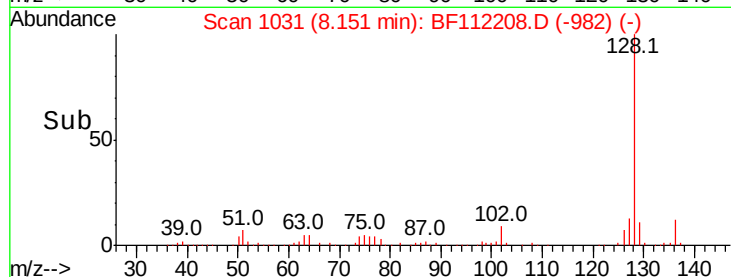
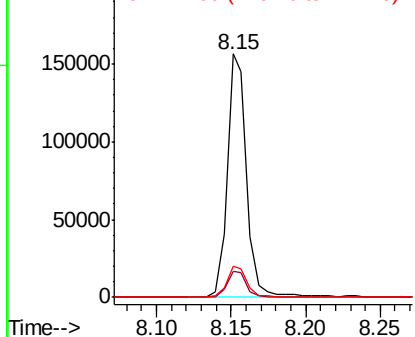
Tot Ion:	128	Resp:	143778
Ion Ratio	Lower	Upper	
128	100		
129	10.5	9.6	14.4
127	13.0	11.1	16.7

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1326

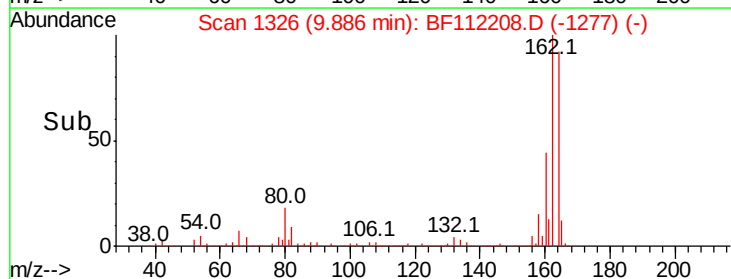
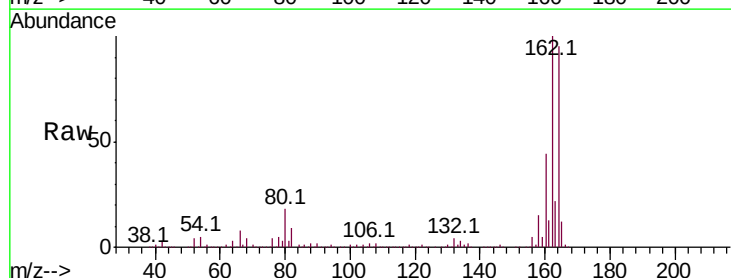
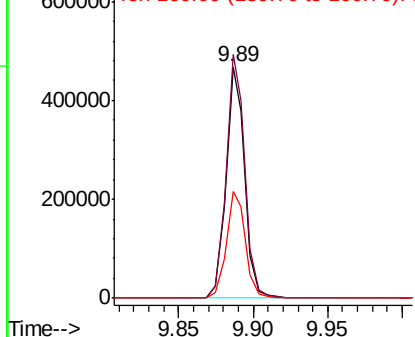
Delta R.T. -0.01 min

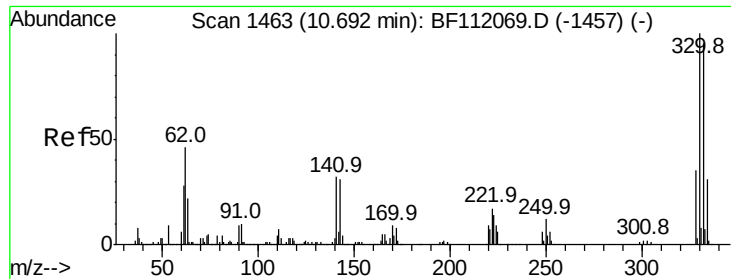
Lab File: BF112208.D

Acq: 24 Jan 2019 14:56

Tgt Ion:	164	Resp:	412461
Ion Ratio	Lower	Upper	
164	100		
162	105.3	82.2	123.4
160	46.3	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: 97.986 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF112208.D

Acq: 24 Jan 2019 14:56

Instrument :

BNA_F

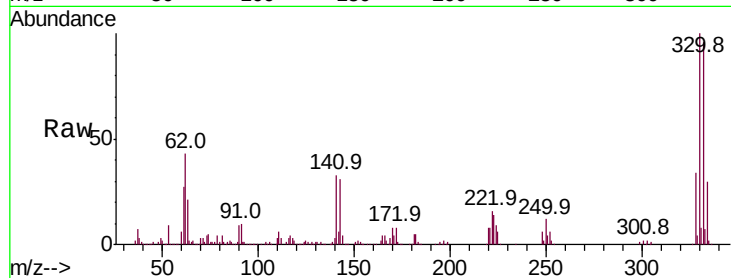
ClientSampleId :

BU-02-012319

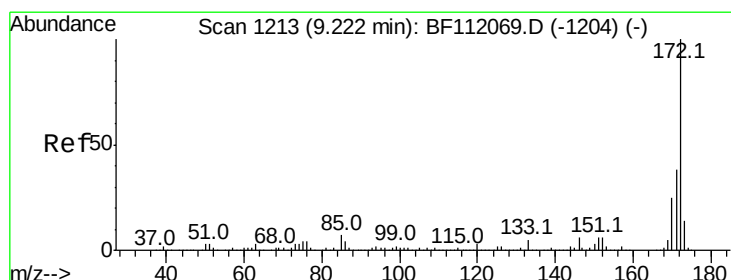
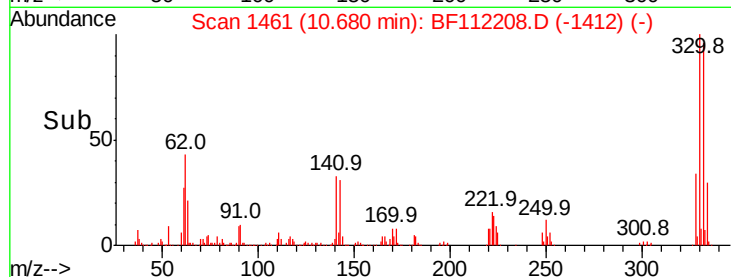
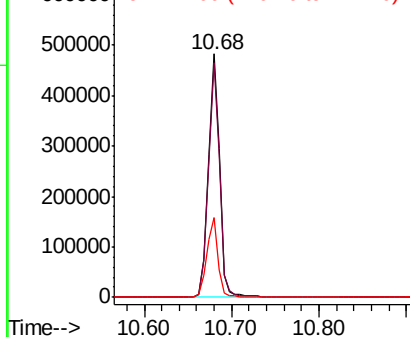
Tot Ion:	330	Resp:	435993
Ion Ratio	Lower	Upper	
330	100		
332	95.9	76.6	114.8
141	32.5	24.3	36.5

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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: 60.364 ng

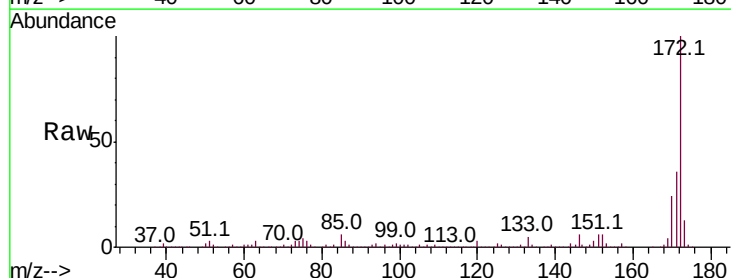
RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

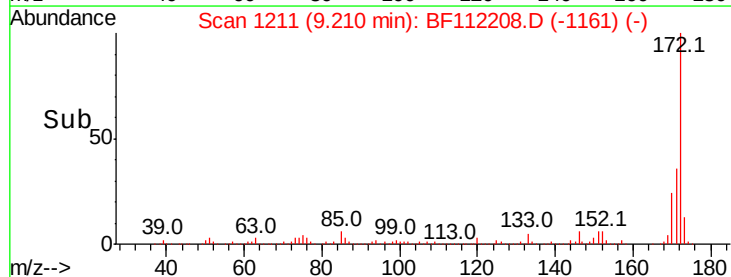
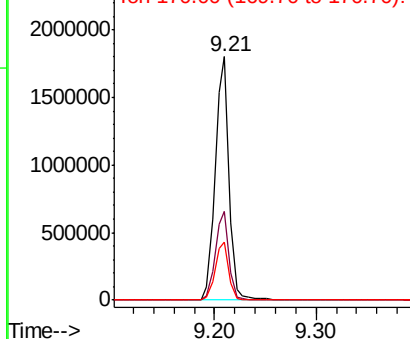
Lab File: BF112208.D

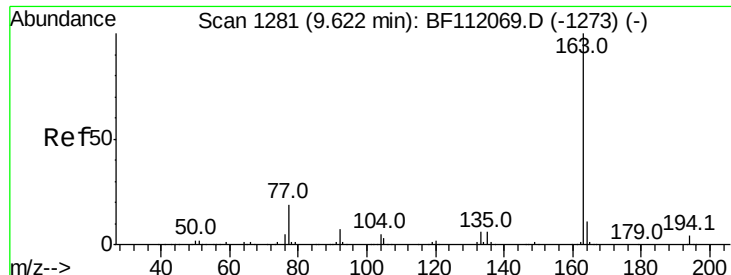
Acq: 24 Jan 2019 14:56

Tgt Ion:	172	Resp:	1698224
Ion Ratio	Lower	Upper	
172	100		
171	36.4	30.5	45.7
170	24.0	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





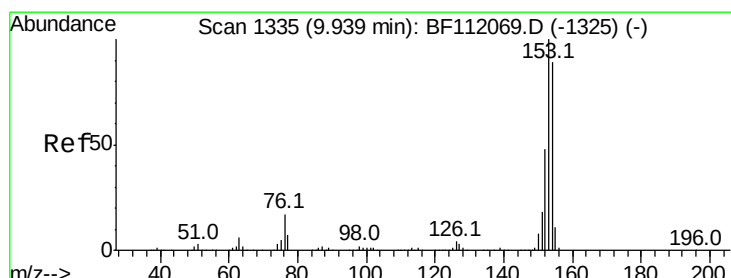
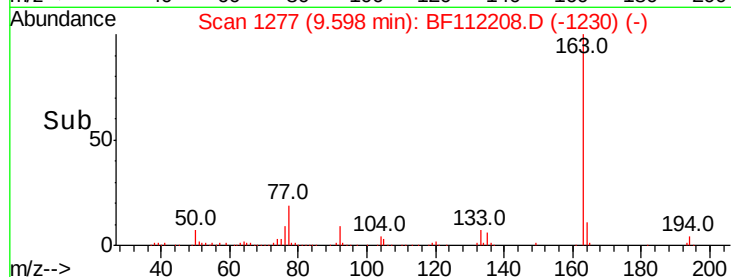
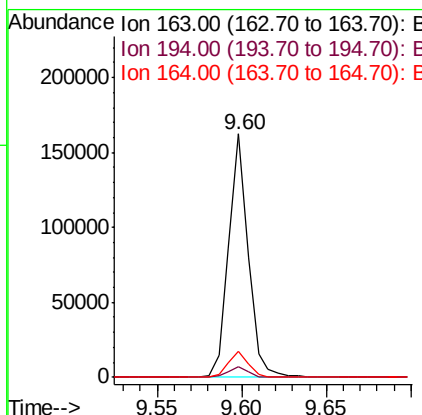
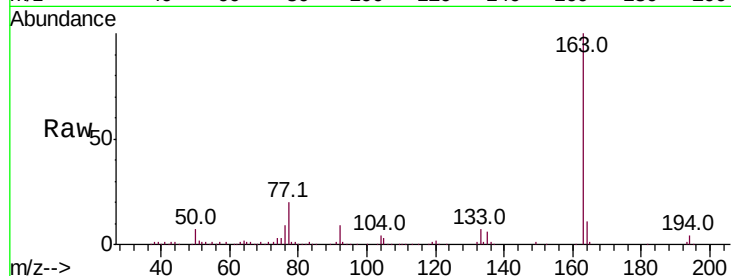
#50
Dimethylphthalate
Concen: 4.345 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.02 min
Lab File: BF112208.D
Acq: 24 Jan 2019 14:56

Instrument :
BNA_F
ClientSampleId :
BU-02-012319

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.4	3.3	4.9	
164	10.5	8.5	12.7	

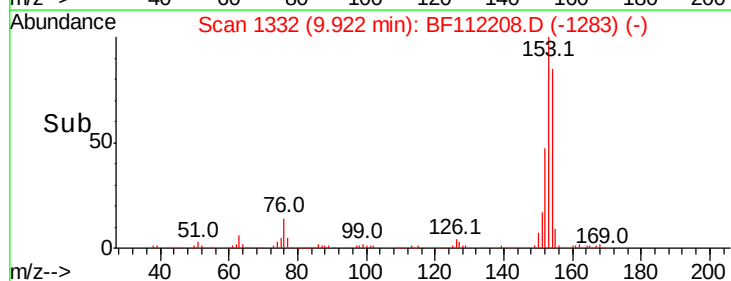
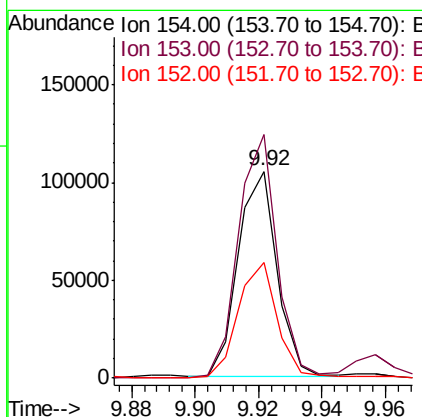
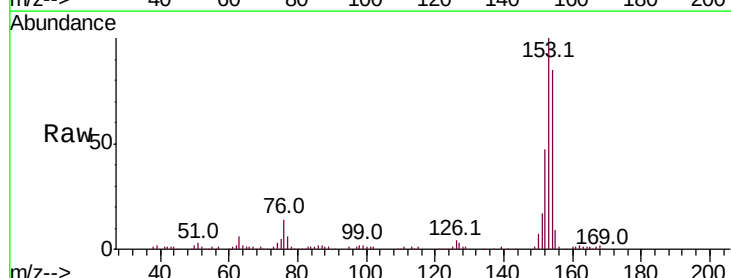
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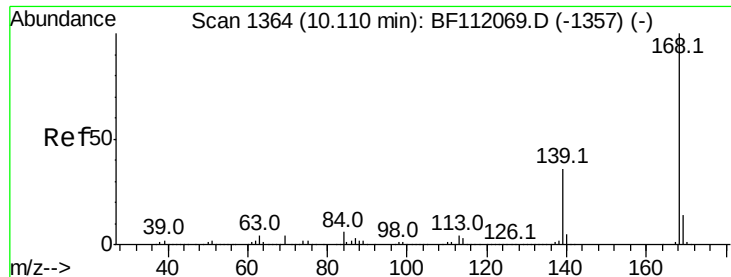
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#52
Acenaphthene
Concen: 3.714 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF112208.D
Acq: 24 Jan 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	117.6	89.8	134.6	
152	55.8	43.5	65.3	





#55

Dibenzenofuran

Concen: 3.982 ng

RT: 10.09 min Scan# 1361

Delta R.T. -0.01 min

Lab File: BF112208.D

Acq: 24 Jan 2019 14:56

Instrument :

BNA_F

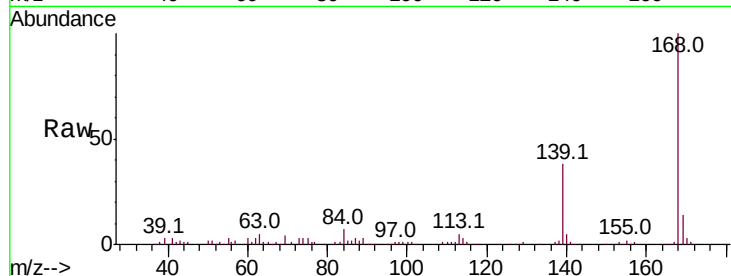
ClientSampleId :

BU-02-012319

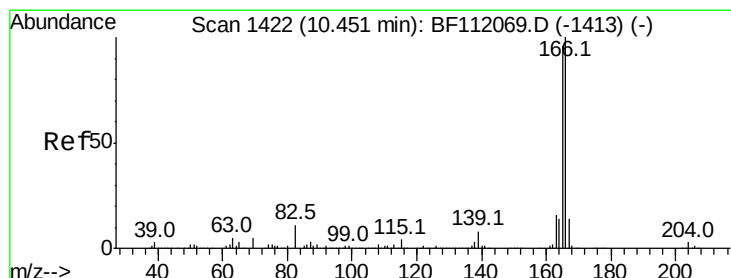
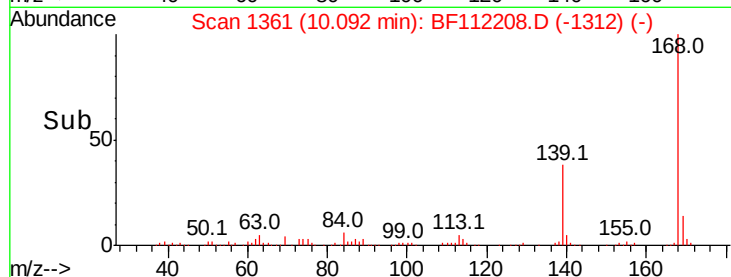
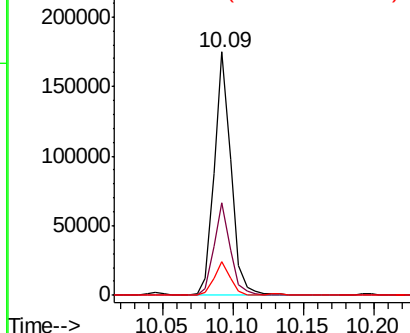
Tot Ion:	168	Resp:	145143
Ion Ratio	Lower	Upper	
168	100		
139	38.0	29.2	43.8
169	14.1	11.4	17.0

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Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#58

Fluorene

Concen: 6.942 ng

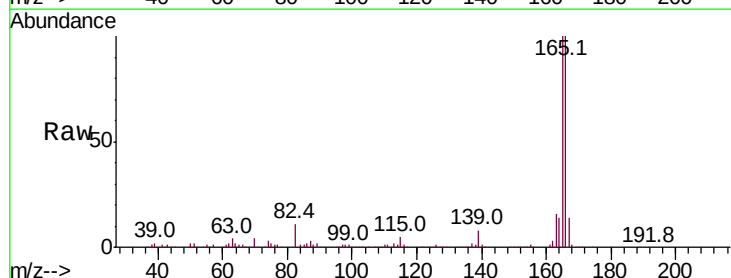
RT: 10.43 min Scan# 1419

Delta R.T. -0.01 min

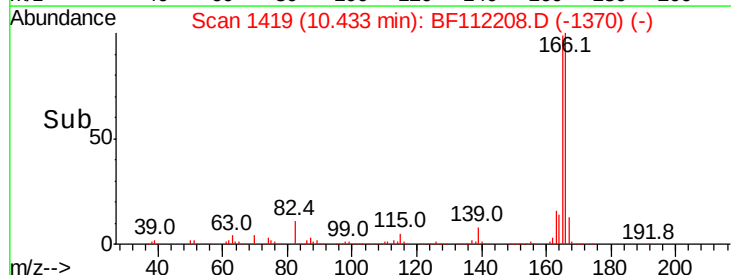
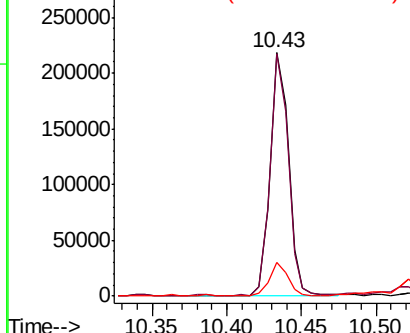
Lab File: BF112208.D

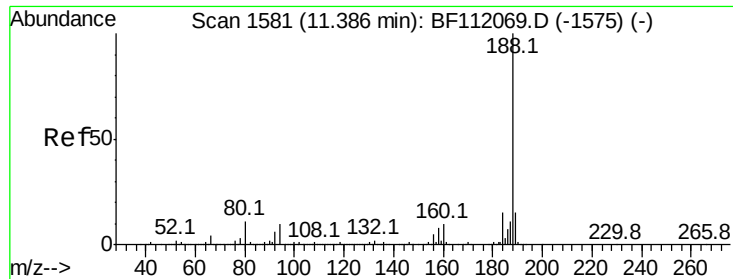
Acq: 24 Jan 2019 14:56

Tgt Ion:	166	Resp:	189073
Ion Ratio	Lower	Upper	
166	100		
165	99.6	77.1	115.7
167	13.6	11.3	16.9



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





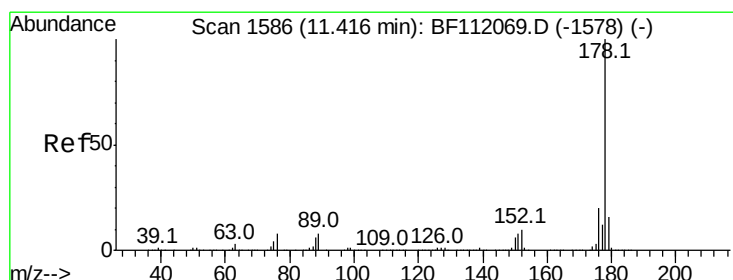
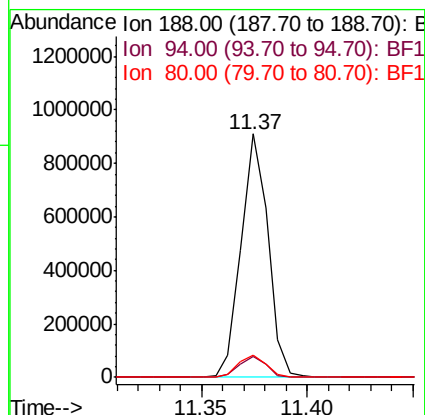
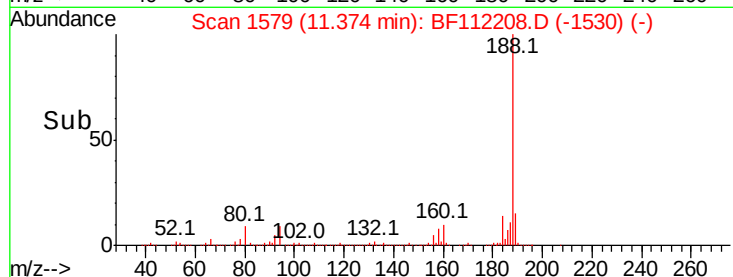
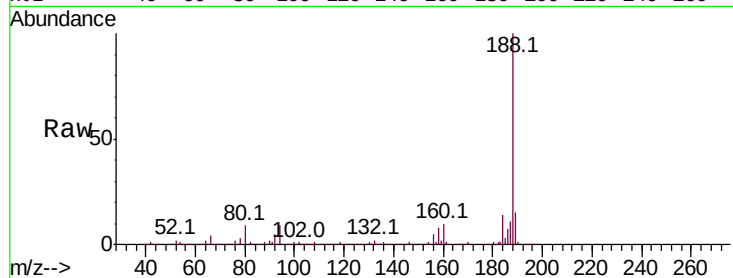
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF112208.D
Acq: 24 Jan 2019 14:56

Instrument :
BNA_F
ClientSampleId :
BU-02-012319

Tot Ion	Ratio	Resp	Lower	Upper
188	100	805123		
94	8.8		8.2	12.2
80	9.3		8.9	13.3

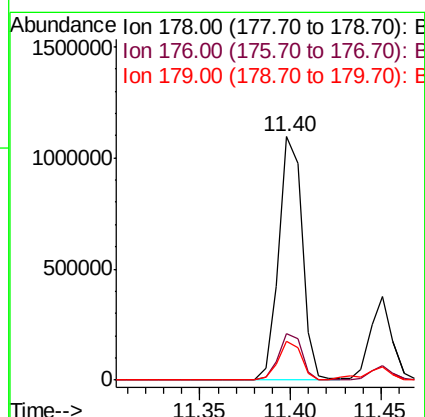
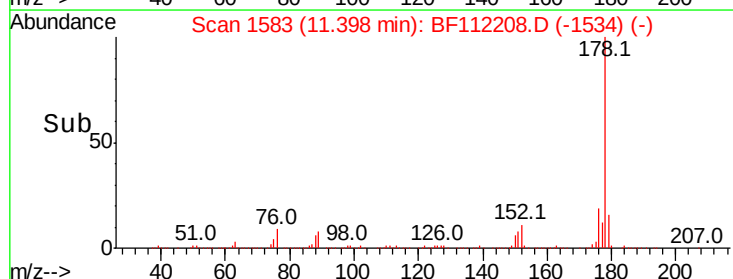
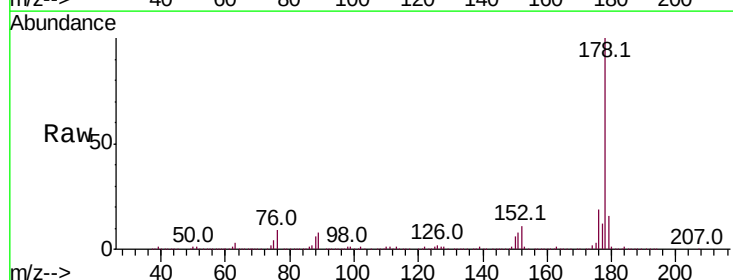
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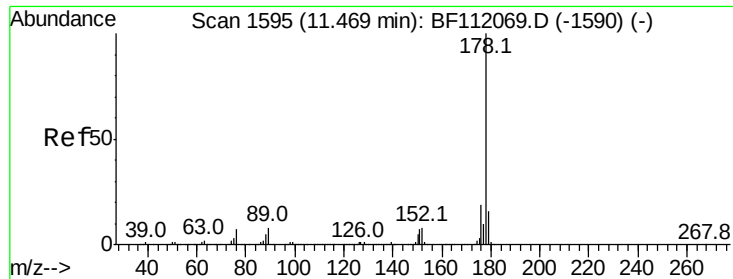
Sohil
1/25/2019 10:05:00 AM



#71
Phenanthrene
Concen: 24.457 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF112208.D
Acq: 24 Jan 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	990976		
176	19.1		16.3	24.5
179	16.0		13.0	19.4





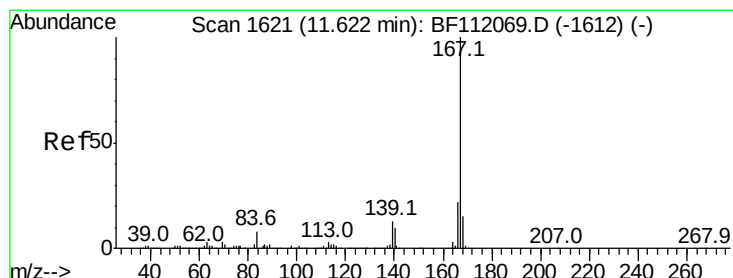
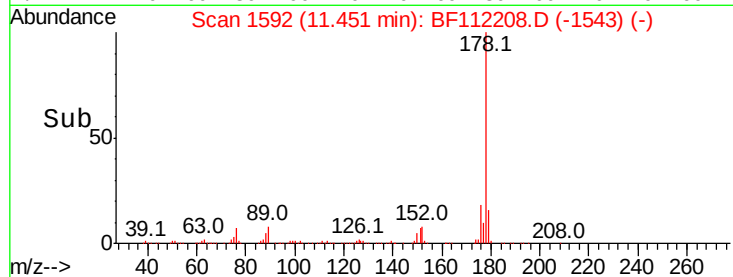
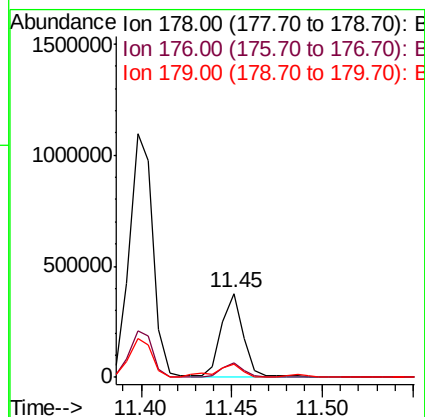
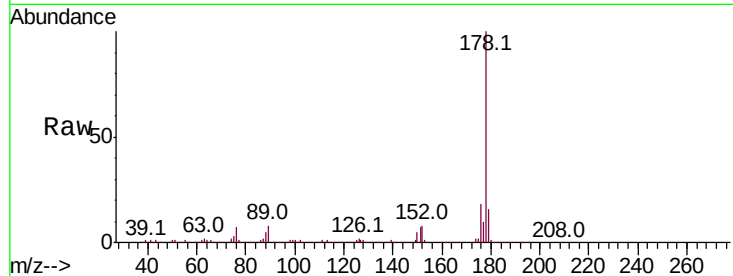
#72
 Anthracene
 Concen: 7.840 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. -0.01 min
 Lab File: BF112208.D
 Acq: 24 Jan 2019 14:56

Instrument :
 BNA_F
 ClientSampleId :
 BU-02-012319

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.5	23.3
179	15.8	12.8	19.2

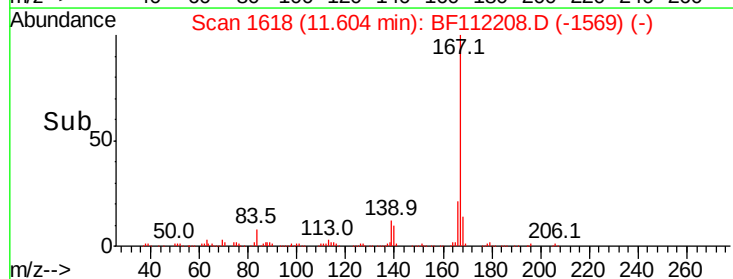
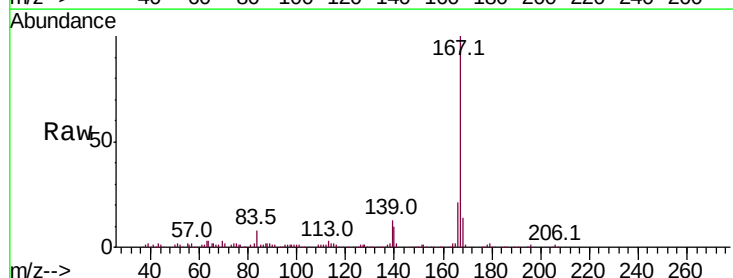
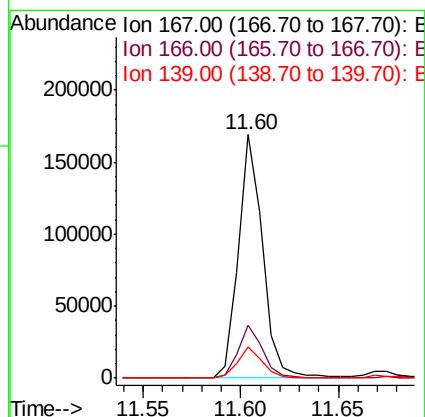
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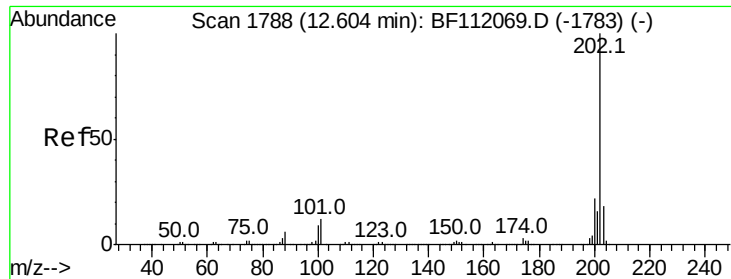
Sohil
 1/25/2019 10:05:00 AM



#73
 Carbazole
 Concen: 3.517 ng
 RT: 11.60 min Scan# 1618
 Delta R.T. -0.01 min
 Lab File: BF112208.D
 Acq: 24 Jan 2019 14:56

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.9	26.9
139	12.6	10.2	15.2





#75

Fluoranthene

Concen: 17.580 ng

RT: 12.59 min Scan# 1786

Delta R.T. -0.01 min

Lab File: BF112208.D

Acq: 24 Jan 2019 14:56

Instrument :

BNA_F

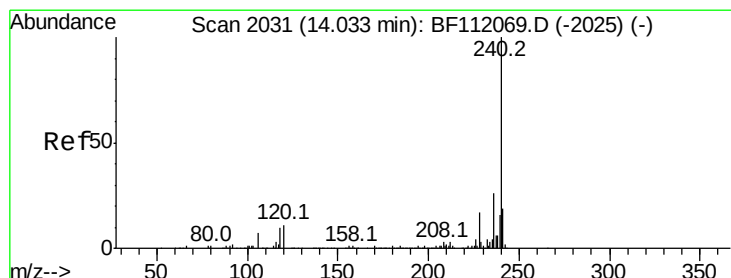
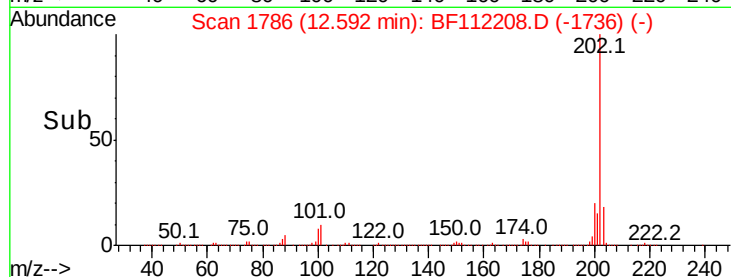
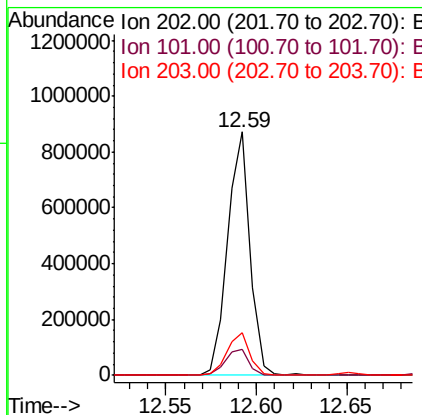
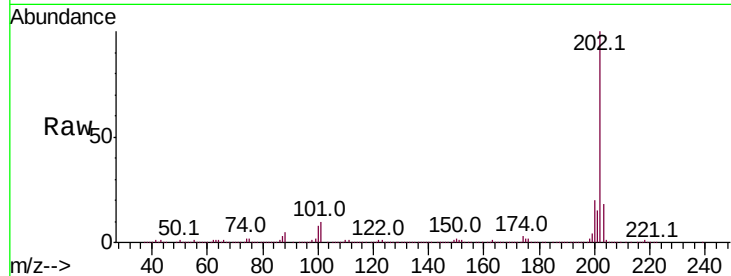
ClientSampleId :

BU-02-012319

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		752096		
101	10.5	0.0	31.8		
203	17.8	0.0	38.4		

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#76

Chrysene-d12

Concen: 20.000 ng

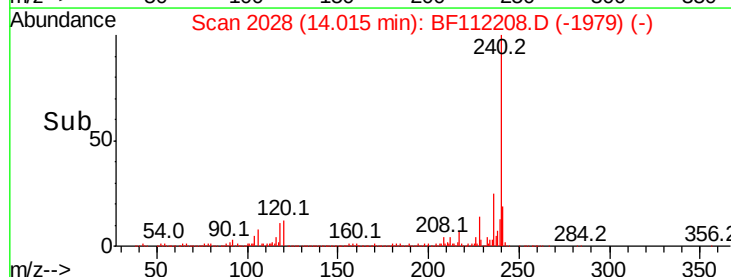
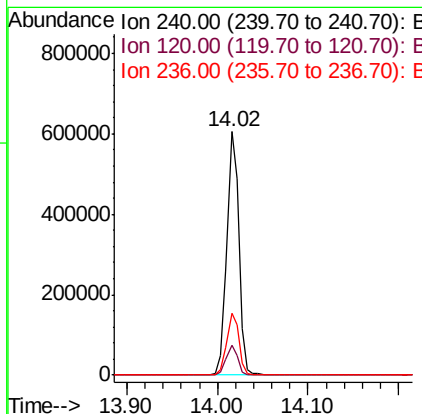
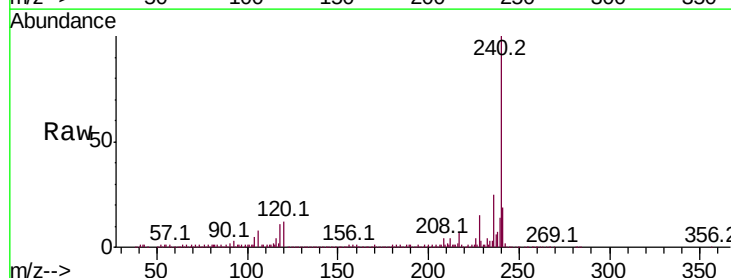
RT: 14.02 min Scan# 2028

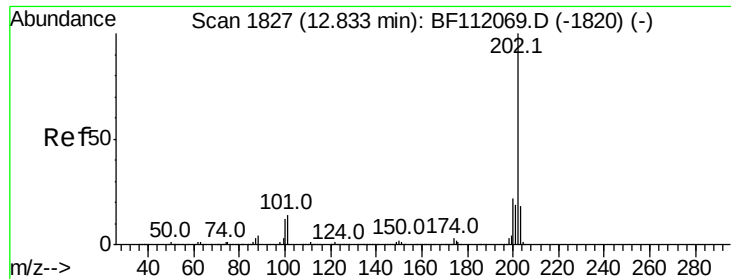
Delta R.T. -0.01 min

Lab File: BF112208.D

Acq: 24 Jan 2019 14:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		549537		
120	12.0	9.0	13.6		
236	25.4	20.7	31.1		





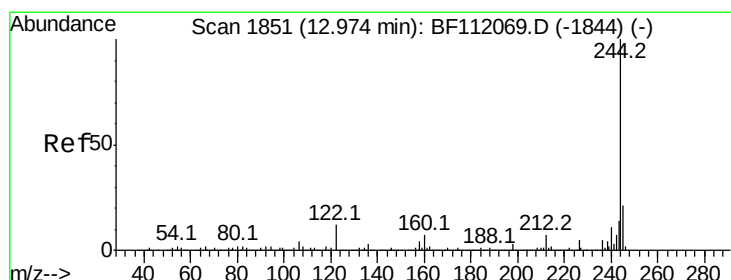
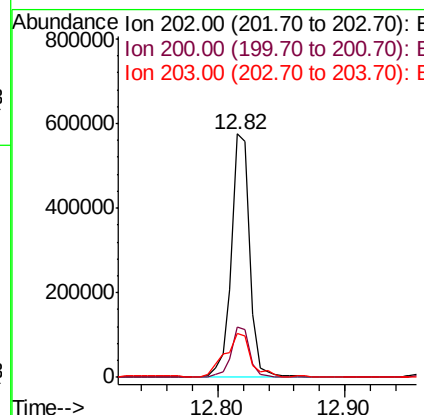
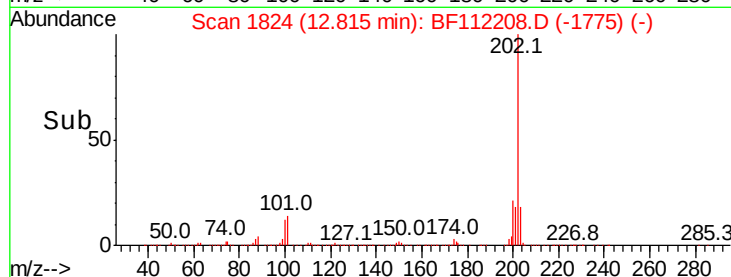
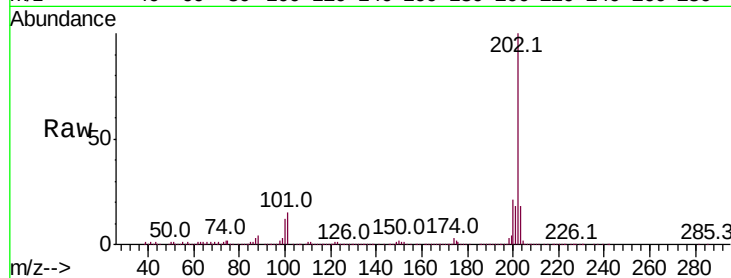
#78
Pvrene
Concen: 15.774 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF112208.D
Acq: 24 Jan 2019 14:56

Instrument :
BNA_F
ClientSampleId :
BU-02-012319

Tot Ion	Ratio	Resp	Lower	Upper
202	100	571904		
200	20.9		17.7	26.5
203	18.1		14.6	22.0

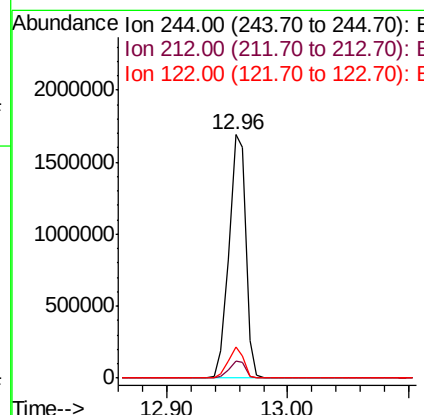
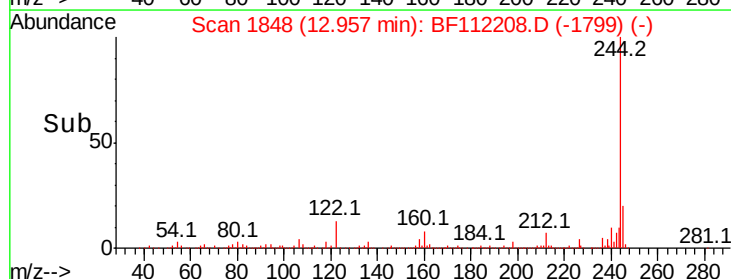
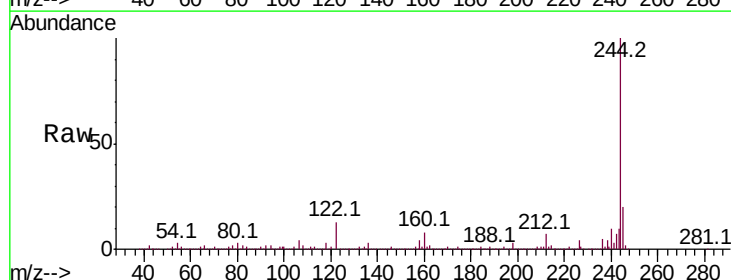
Manual Integrations
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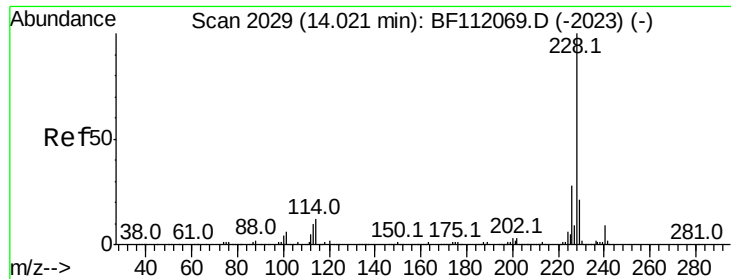
Sohil
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#79
Terphenyl-d14
Concen: 63.287 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF112208.D
Acq: 24 Jan 2019 14:56

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	1634819		
212	7.1		5.9	8.9
122	12.7		9.8	14.6





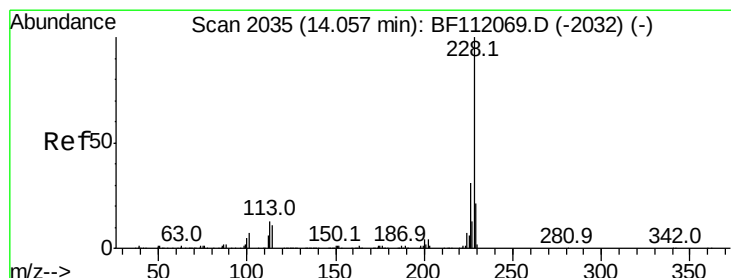
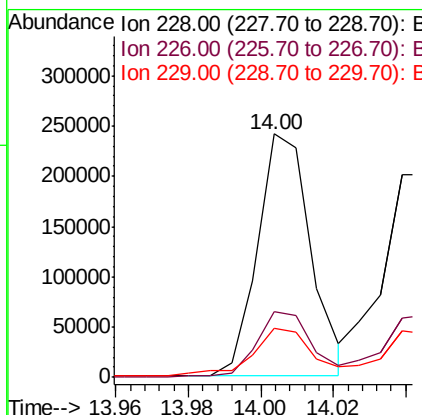
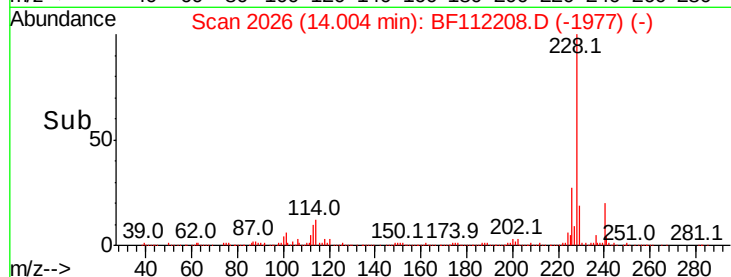
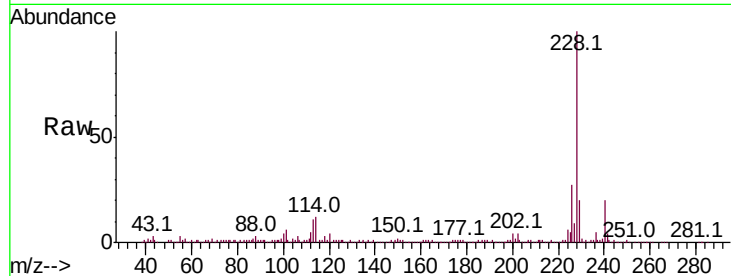
#81
Benzo(a)anthracene
Concen: 7.781 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112208.D
Acq: 24 Jan 2019 14:56

Instrument :
BNA_F
ClientSampleId :
BU-02-012319

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.6	34.0
229	19.9	16.5	24.7

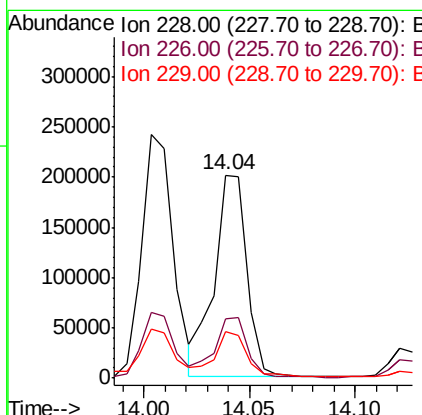
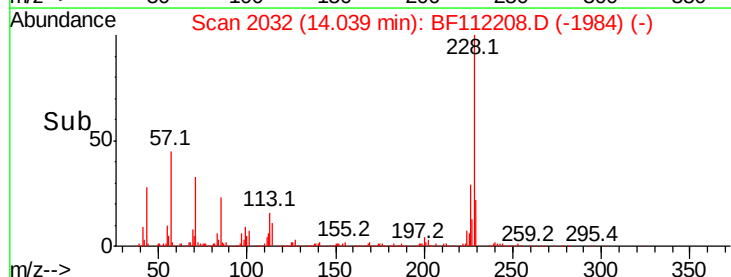
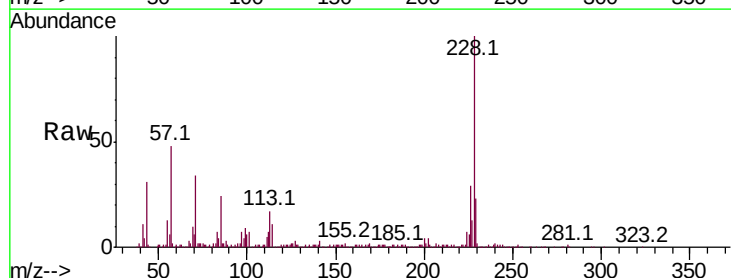
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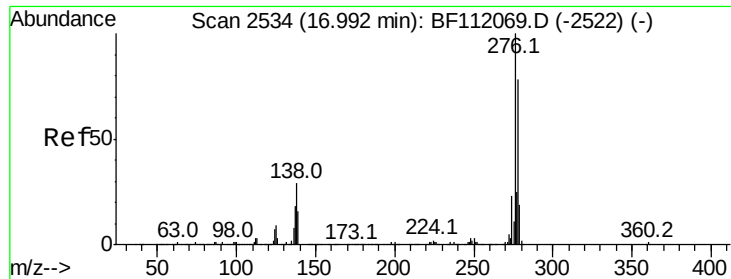
Sohil
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#83
Chrysene
Concen: 7.272 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.02 min
Lab File: BF112208.D
Acq: 24 Jan 2019 14:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	25.0	37.6
229	23.0	16.6	24.8





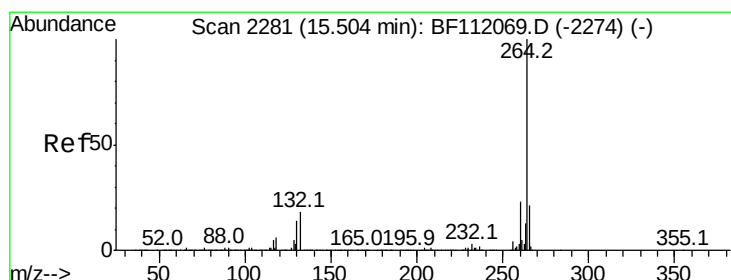
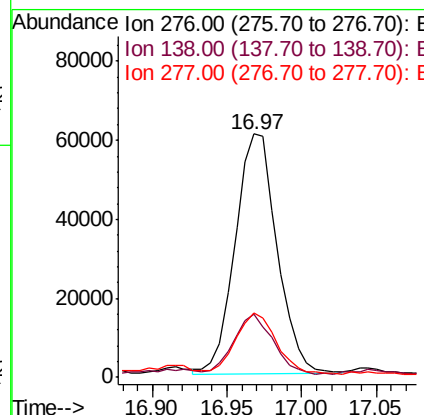
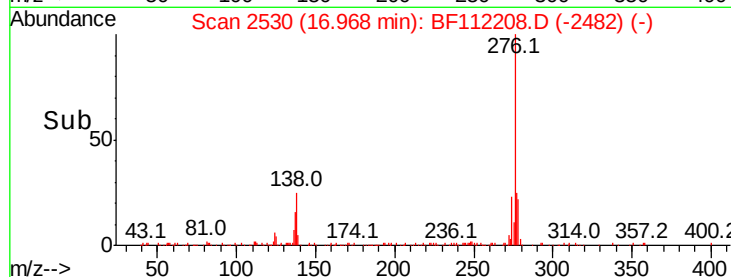
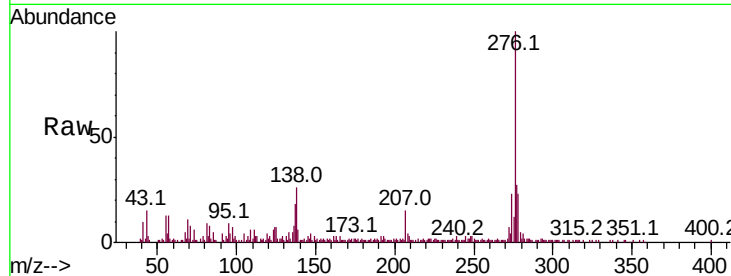
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.313 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.02 min
Lab File: BF112208.D
Acq: 24 Jan 2019 14:56

Instrument :
BNA_F
ClientSampleId :
BU-02-012319

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.1	22.6	34.0
277	25.8	20.3	30.5

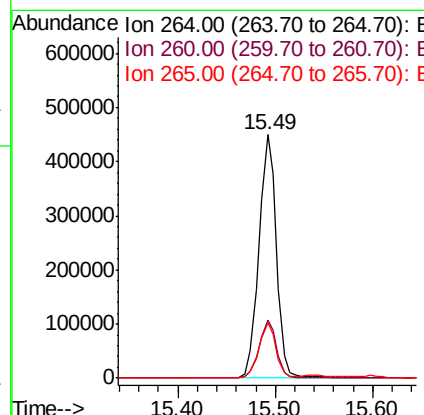
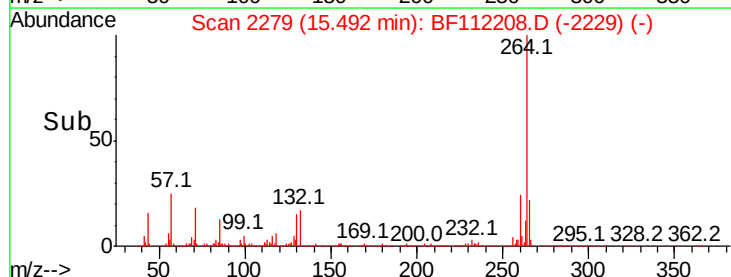
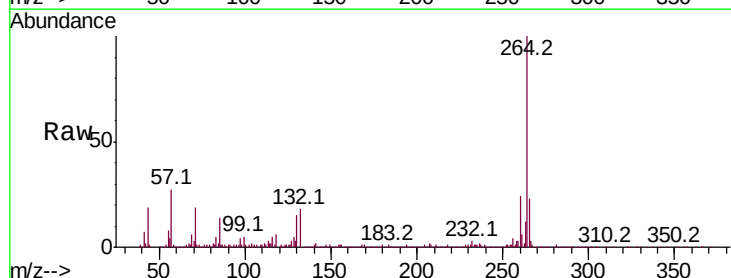
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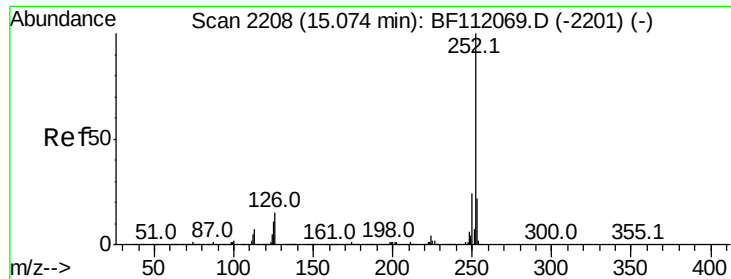
Sohil
1/25/2019 10:05:00 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF112208.D
Acq: 24 Jan 2019 14:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.2	27.2
265	22.5	17.0	25.4





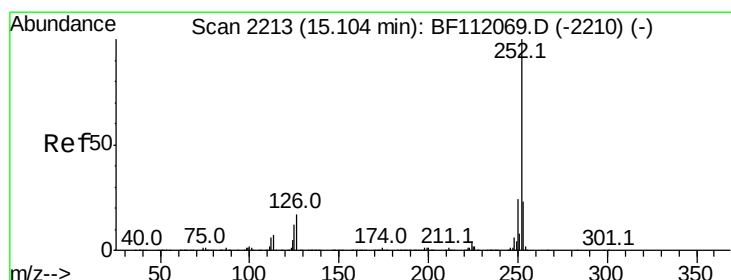
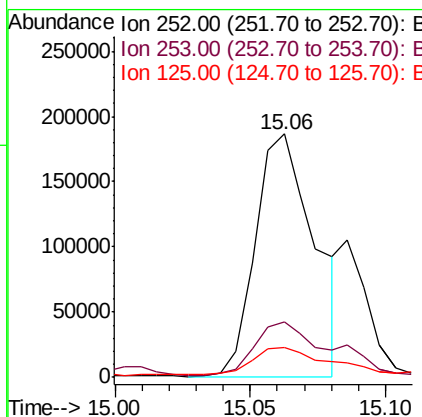
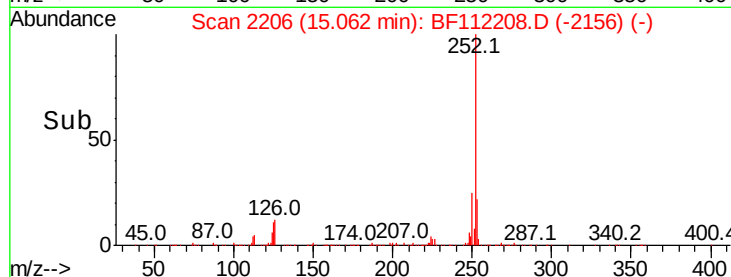
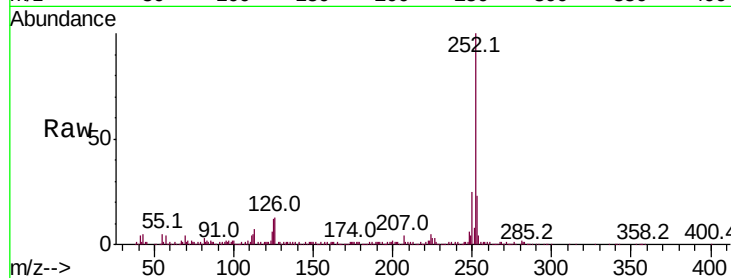
#88
Benzo(b)fluoranthene
Concen: 8.747 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF112208.D
Acq: 24 Jan 2019 14:56

Instrument :
BNA_F
ClientSampleId :
BU-02-012319

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	12.1	8.7	13.1

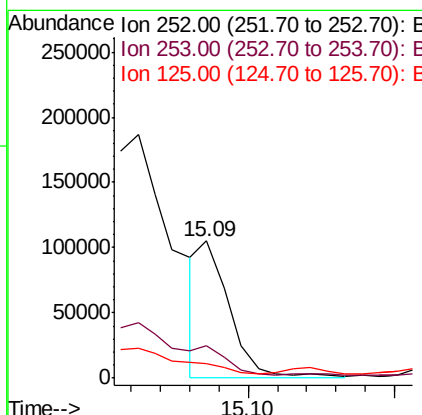
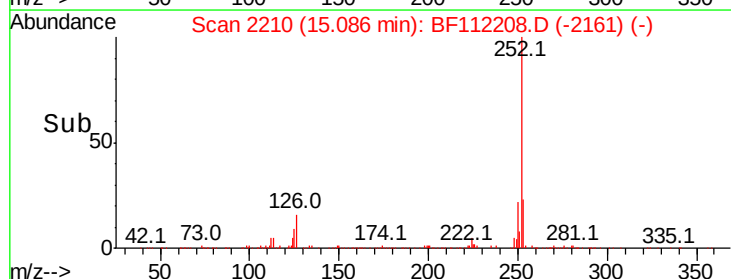
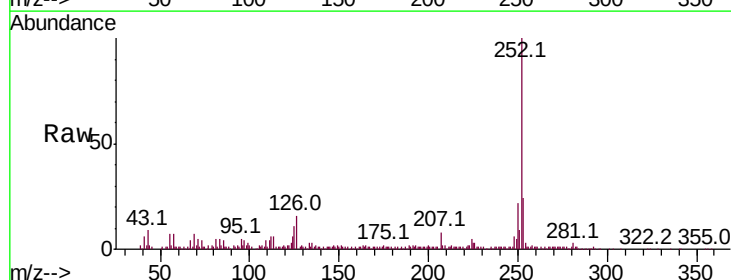
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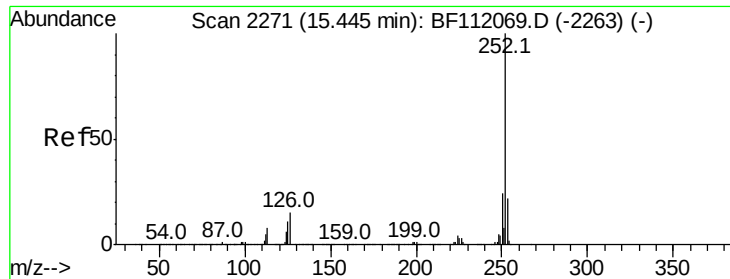
Sohil
1/25/2019 10:05:00 AM



#89
Benzo(k)fluoranthene
Concen: 2.457 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF112208.D
Acq: 24 Jan 2019 14:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.0	27.0
125	10.7	9.1	13.7





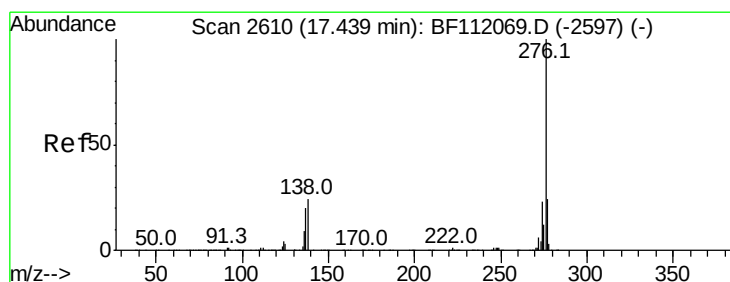
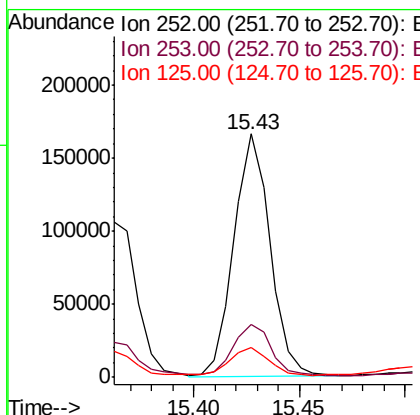
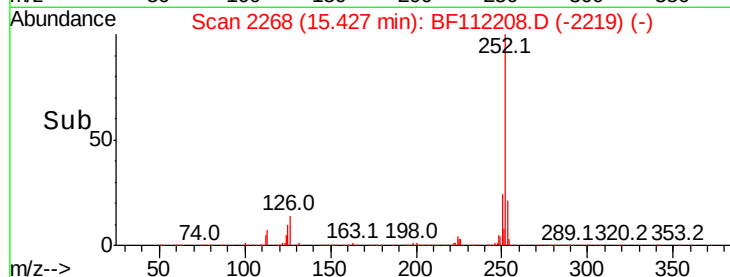
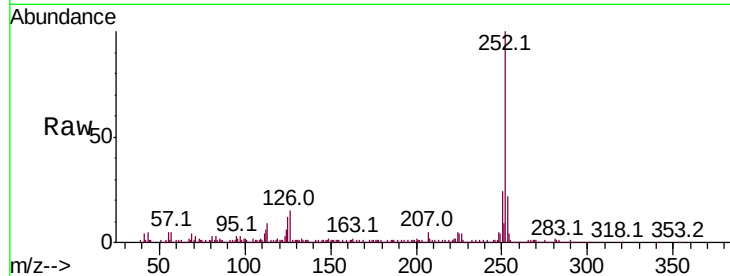
#90
Benzo(a)pyrene
Concen: 6.622 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF112208.D
Acq: 24 Jan 2019 14:56

Instrument :
BNA_F
ClientSampleId :
BU-02-012319

Tot Ion:	252	Resp:	197323
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.5	26.3
125	12.2	9.0	13.4

Manual Integrations
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Sohil
1/25/2019 10:05:00 AM



#92
Benzo(g,h,i)perylene
Concen: 4.523 ng
RT: 17.42 min Scan# 2607
Delta R.T. -0.01 min
Lab File: BF112208.D
Acq: 24 Jan 2019 14:56

Tgt Ion:	276	Resp:	117936
Ion Ratio	Lower	Upper	
276	100		
277	24.9	19.4	29.0
138	22.0	19.1	28.7

