

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
 Data File : BF118623.D
 Acq On : 21 Jan 2020 7:35
 Operator : CG/JU
 Sample : L1148-18
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-49-(0.5-2)

Manual Integrations
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Quant Time: Jan 21 08:09:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 20 14:45:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	450500	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1544687	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	736560	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	1107022	20.00	ng	0.00
76) Chrysene-d12	14.04	240	849786	20.00	ng	0.00
87) Perylene-d12	15.53	264	752879	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	2838761	117.03	ng	0.02
7) Phenol-d6	6.52	99	3642732	115.54	ng	0.00
23) Nitrobenzene-d5	7.45	82	2257829	81.76	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	895641	105.13	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	3776188	84.26	ng	0.00
79) Terphenyl-d14	12.99	244	3504017	89.94	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.43	77	178138	9.291	ng	98
10) Phenol	6.52	94	89332	2.486	ng	# 59
31) Naphthalene	8.19	128	384403	5.509	ng	96
49) Acenaphthylene	9.78	152	373524	6.205	ng	94
50) Dimethylphthalate	9.63	163	381822	7.957	ng	97
71) Phenanthrene	11.43	178	918581	17.199	ng	93
72) Anthracene	11.48	178	242564	4.590	ng	93
75) Fluoranthene	12.62	202	1322908	23.485	ng	96
78) Pyrene	12.85	202	1407904	24.403	ng	94
81) Benzo(a)anthracene	14.04	228	769340m	15.050	ng	
83) Chrysene	14.07	228	842083	17.188	ng	96
86) Indeno(1,2,3-cd)pyrene	17.01	276	615497	14.459	ng	97
88) Benzo(b)fluoranthene	15.10	252	1384901m	29.264	ng	
89) Benzo(k)fluoranthene	15.12	252	298596m	6.810	ng	
90) Benzo(a)pyrene	15.46	252	719030	17.613	ng	98
91) Dibenzo(a,h)anthracene	17.02	278	138367	3.832	ng	# 94
92) Benzo(g,h,i)perylene	17.46	276	602285	17.178	ng	97

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

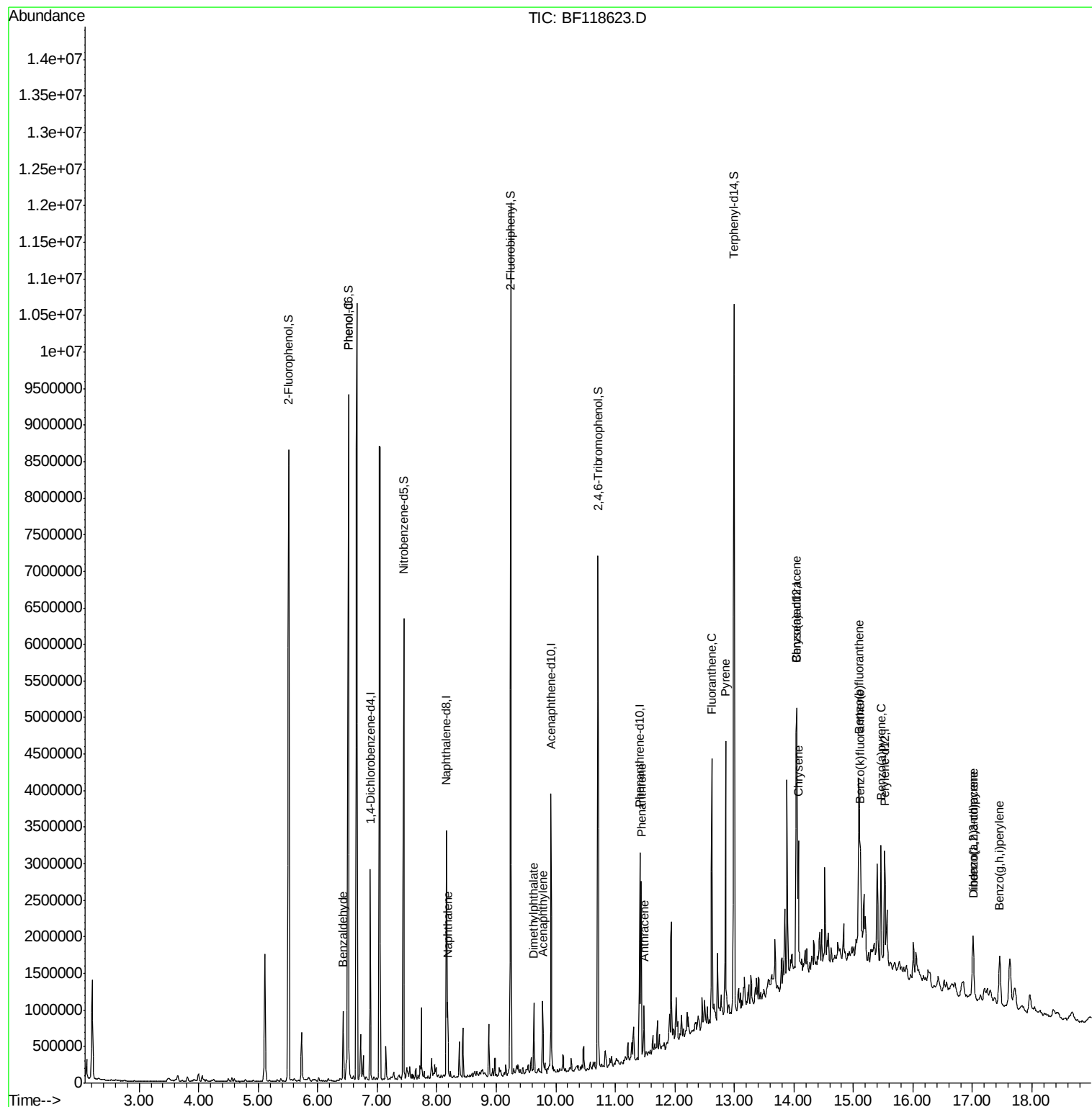
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012020\
Data File : BF118623.D
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ALS Vial : 31 Sample Multiplier: 1

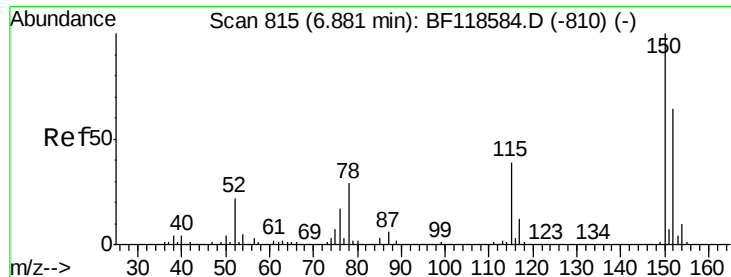
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

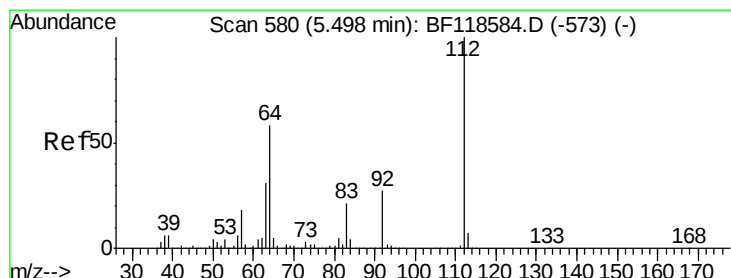
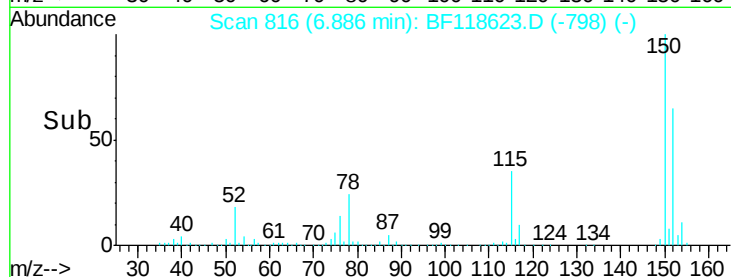
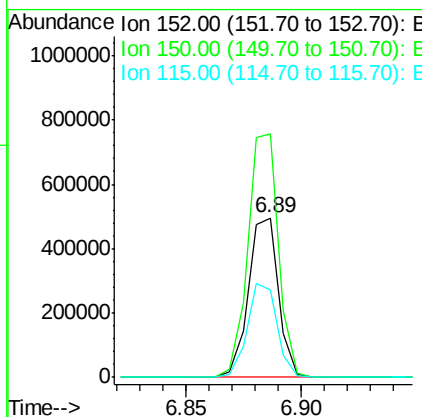
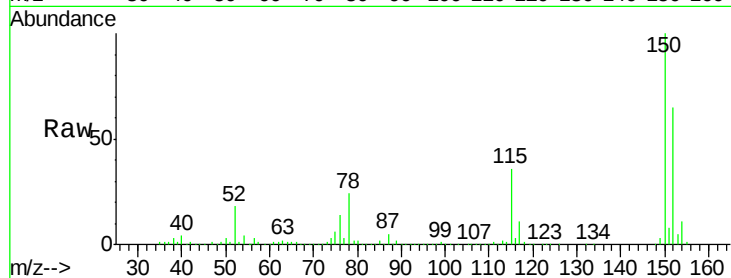
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF118623.D
Acq: 21 Jan 2020 7:35

Instrument :
BNA_F
ClientSampleId :
SB-49-(0.5-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	125.6	188.4
115	54.8	48.4	72.6

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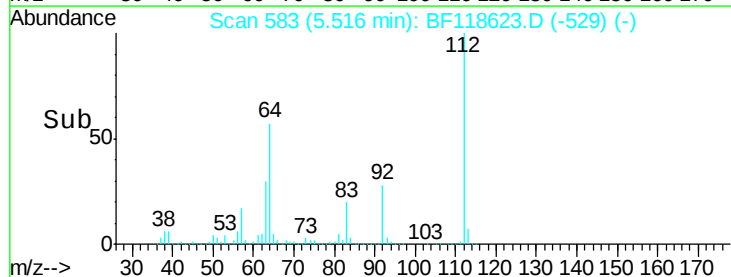
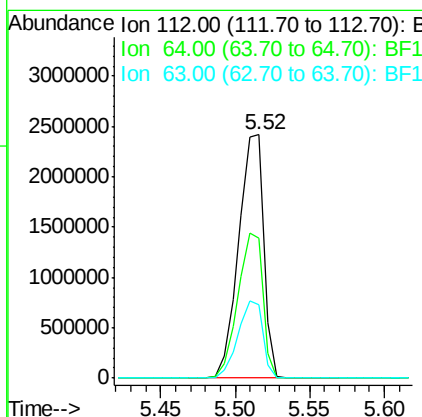
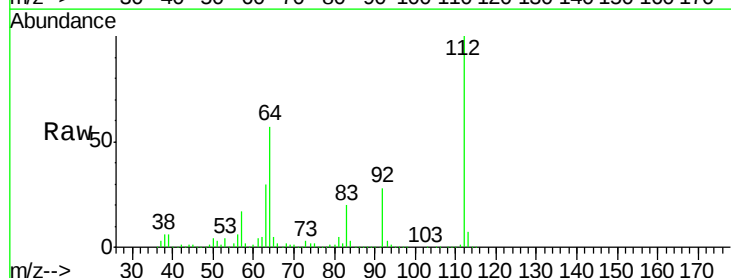
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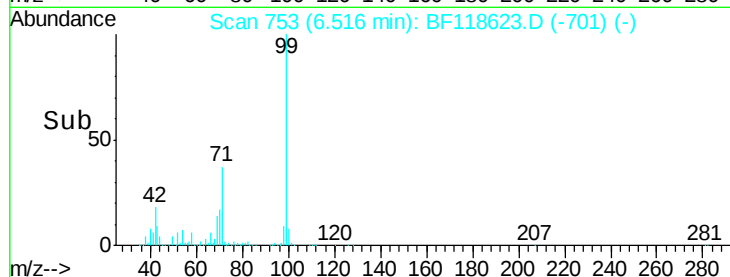
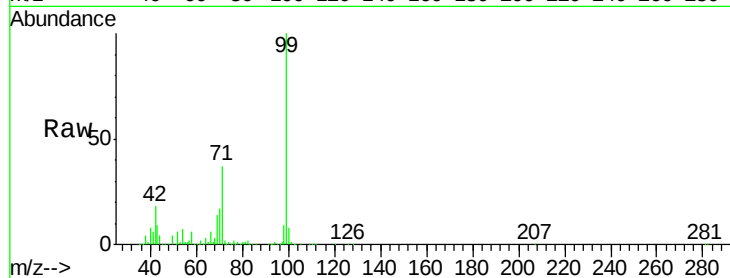
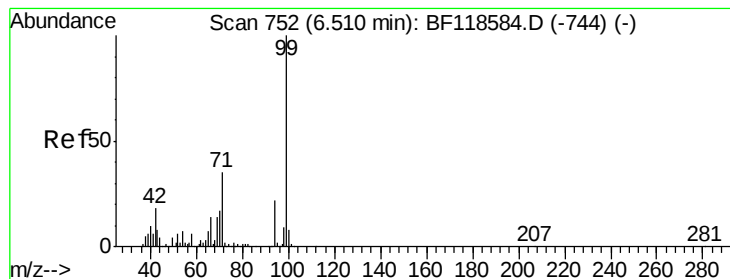


#5

2-Fluorophenol
Concen: 117.032 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.02 min
Lab File: BF118623.D
Acq: 21 Jan 2020 7:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	46.6	70.0
63	30.3	25.1	37.7





#7

Phenol-d6

Concen: 115.544 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF118623.D

Acq: 21 Jan 2020 7:35

Tot Ion: 99 Resp: 3642732

Ion Ratio Lower Upper

99 100

42 18.4 14.2 21.2

71 36.8 27.8 41.6

Instrument :

BNA_F

ClientSampleId :

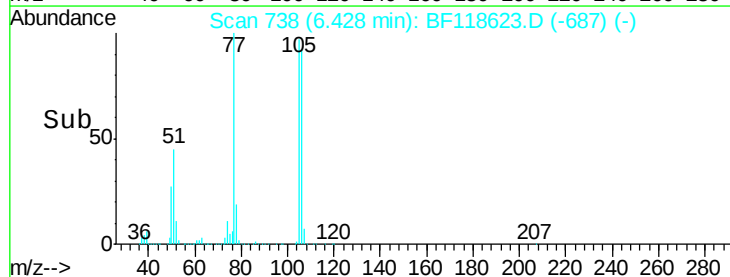
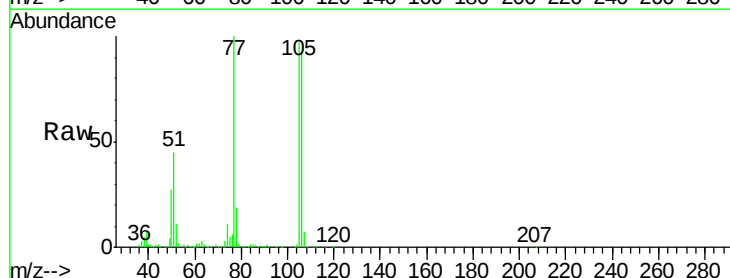
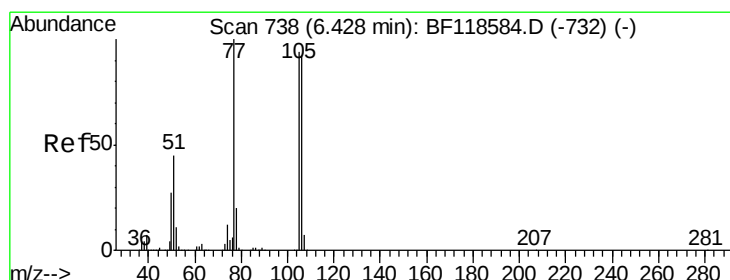
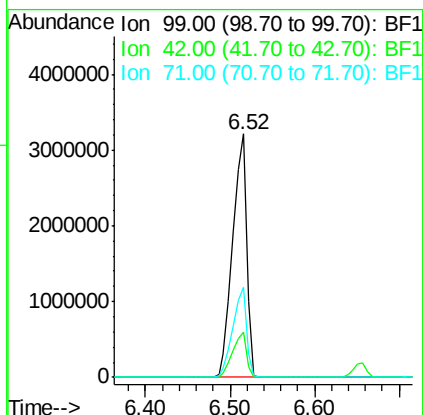
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#9

Benzaldehyde

Concen: 9.291 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF118623.D

Acq: 21 Jan 2020 7:35

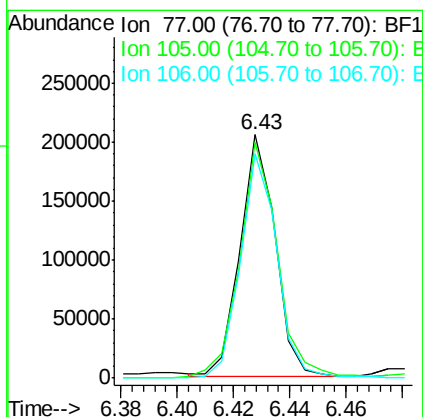
Tgt Ion: 77 Resp: 178138

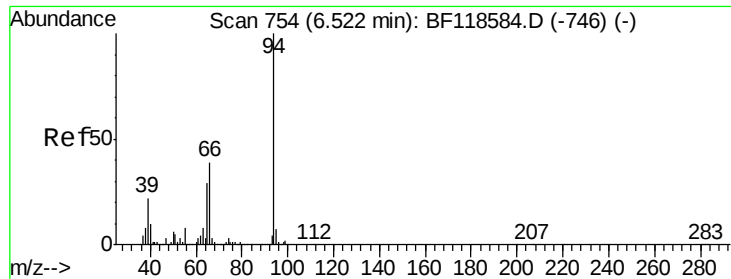
Ion Ratio Lower Upper

77 100

105 97.1 73.5 113.5

106 92.3 71.9 111.9





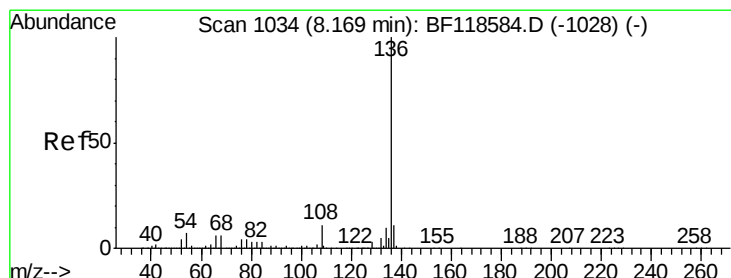
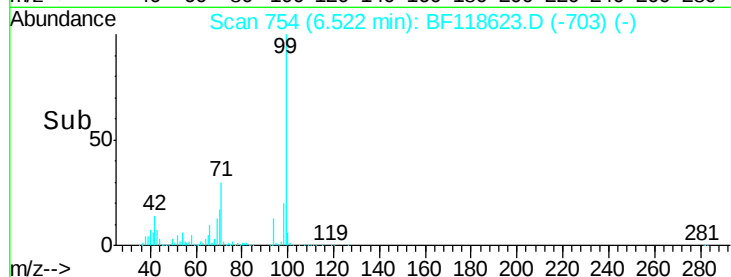
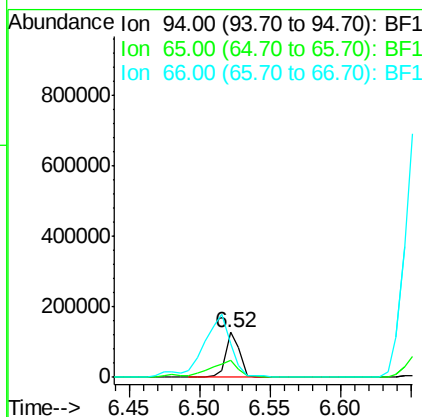
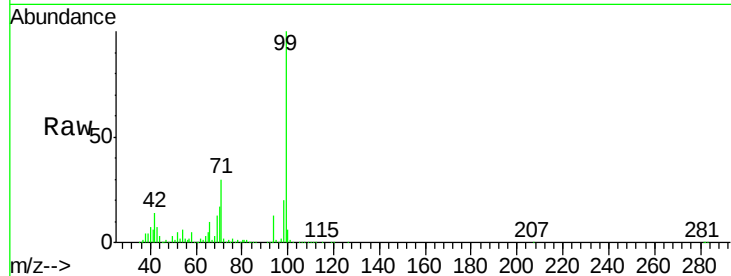
#10
Phenol
Concen: 2.486 ng
RT: 6.52 min Scan# 754
Delta R.T. 0.00 min
Lab File: BF118623.D
Acq: 21 Jan 2020 7:35

Instrument :
BNA_F
ClientSampleId :
SB-49-(0.5-2)

Tot Ion	Ratio	Lower	Upper
94	100		
65	38.1	9.5	49.5
66	75.3	18.5	58.5

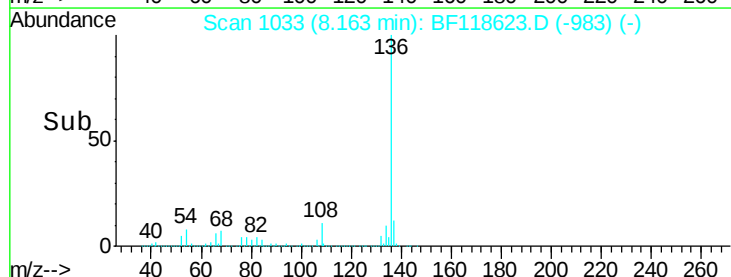
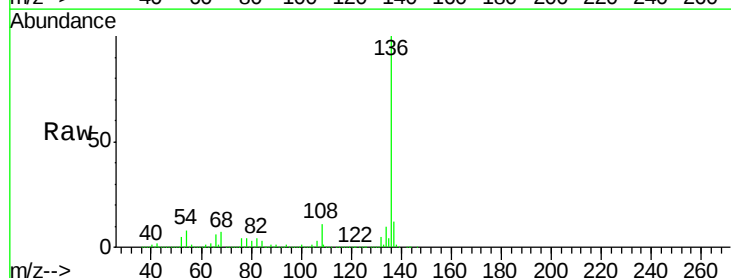
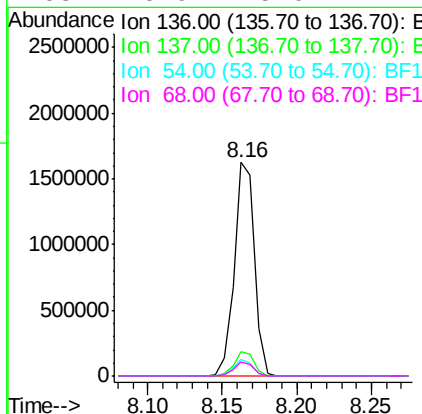
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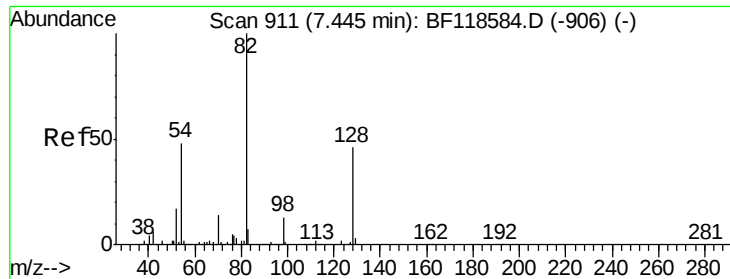
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118623.D
Acq: 21 Jan 2020 7:35

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	7.9	5.8	8.6
68	6.9	5.0	7.4





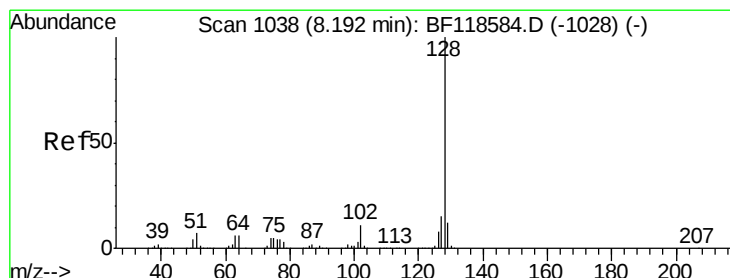
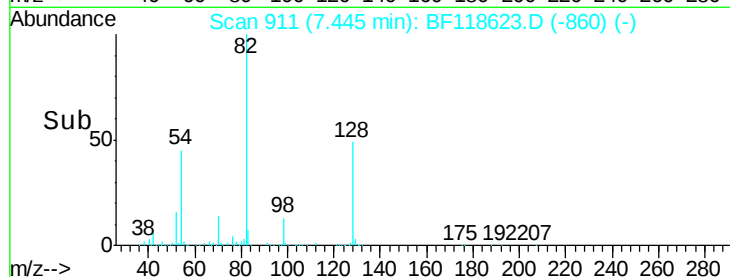
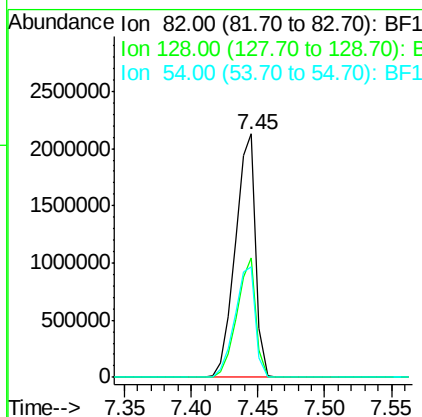
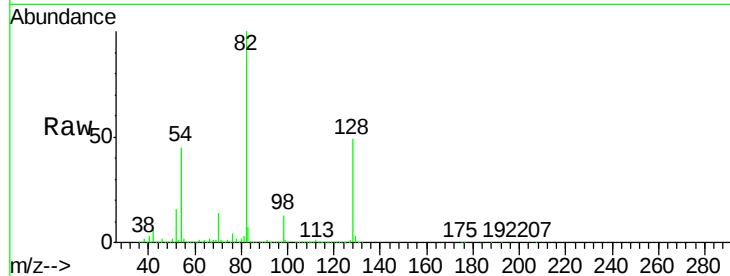
#23
Nitrobenzene-d5
Concen: 81.757 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.00 min
Lab File: BF118623.D
Acq: 21 Jan 2020 7:35

Instrument :
BNA_F
ClientSampleId :
SB-49-(0.5-2)

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.3	36.6	54.8
54	45.4	38.0	57.0

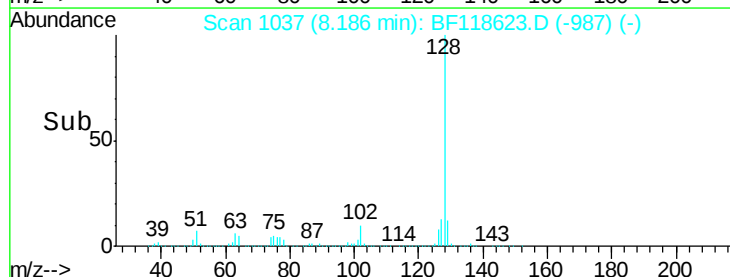
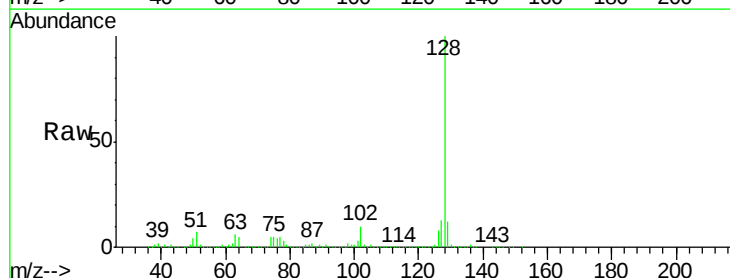
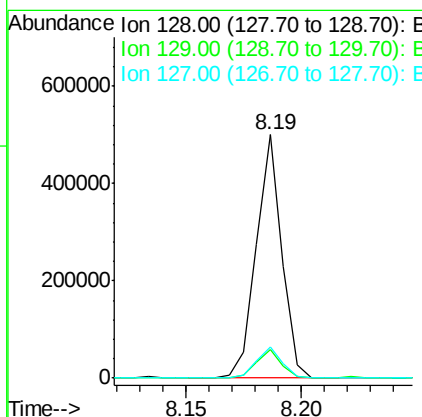
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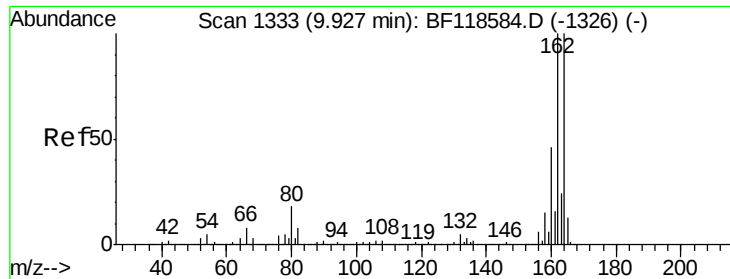
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#31
Naphthalene
Concen: 5.509 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF118623.D
Acq: 21 Jan 2020 7:35

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.9	14.9
127	12.9	12.0	18.0





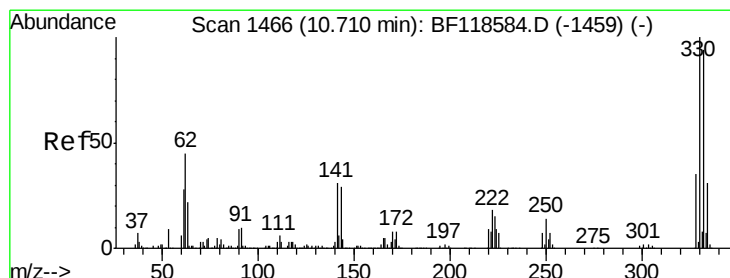
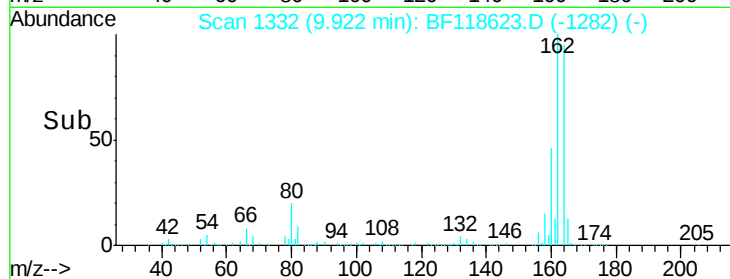
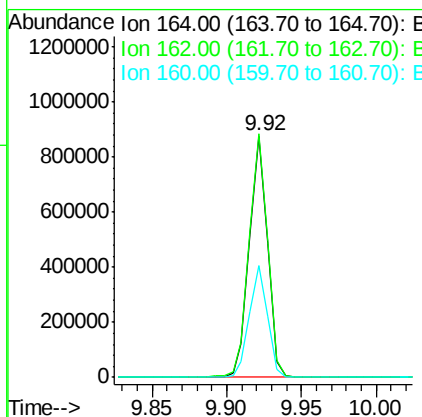
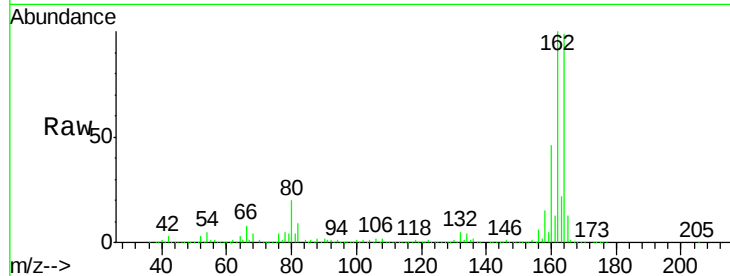
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF118623.D
 Acq: 21 Jan 2020 7:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-49-(0.5-2)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.8	80.4	120.6	
160	46.4	36.6	55.0	

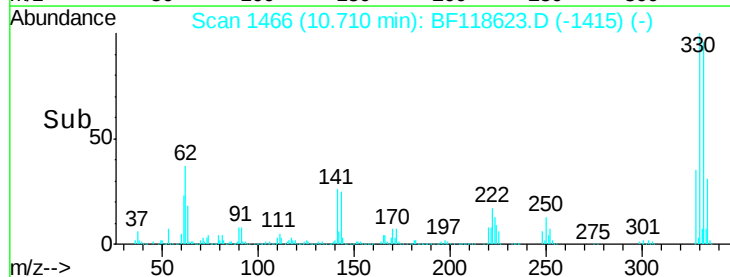
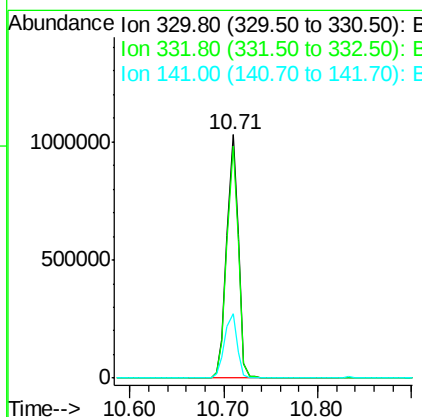
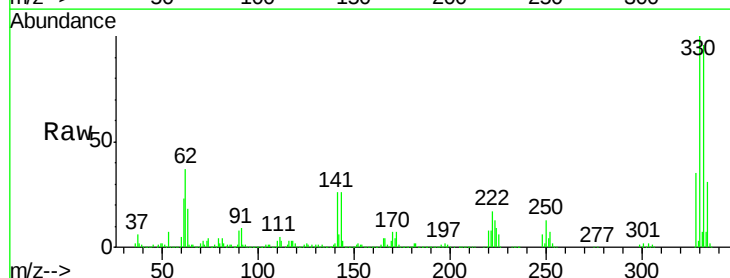
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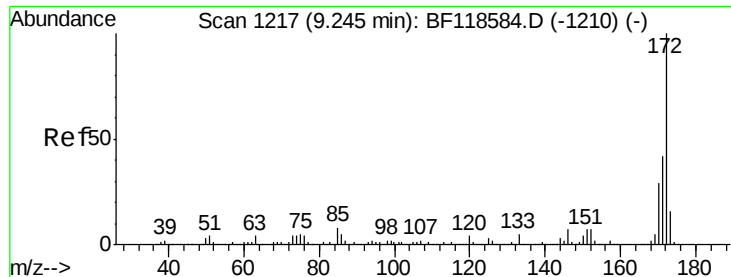
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#42
 2,4,6-Tribromophenol
 Concen: 105.131 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF118623.D
 Acq: 21 Jan 2020 7:35

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.4	76.2	114.4	
141	28.4	23.9	35.9	





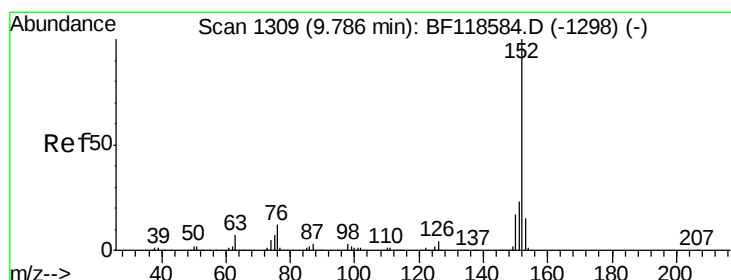
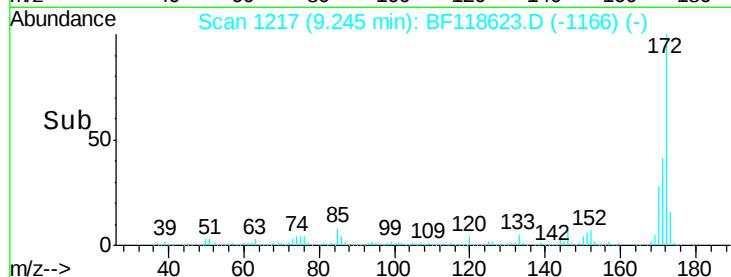
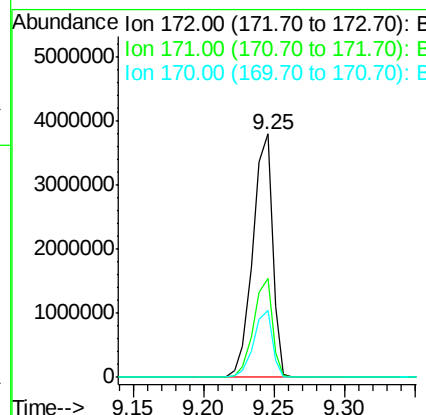
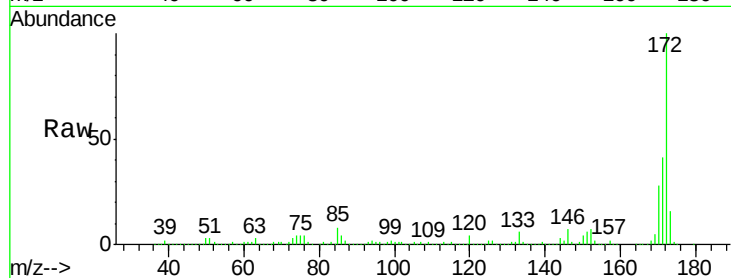
#45
2-Fluorobiphenyl
Concen: 84.265 ng
RT: 9.25 min Scan# 1217
Delta R.T. 0.00 min
Lab File: BF118623.D
Acq: 21 Jan 2020 7:35

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Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	40.6	33.4	50.2	
170	27.8	23.2	34.8	

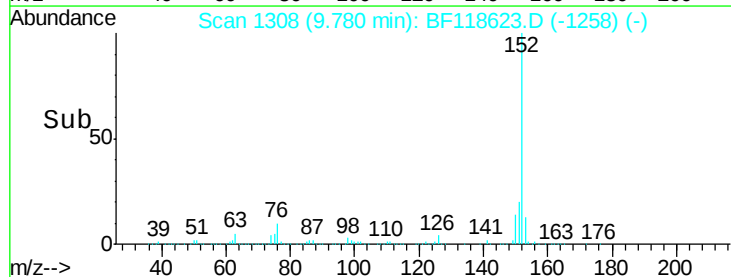
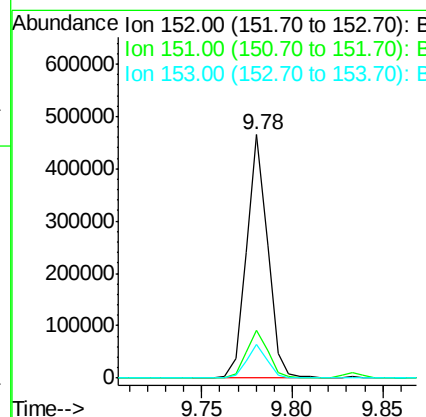
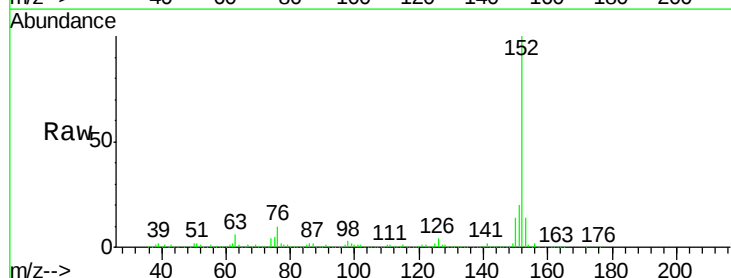
Manual Integrations
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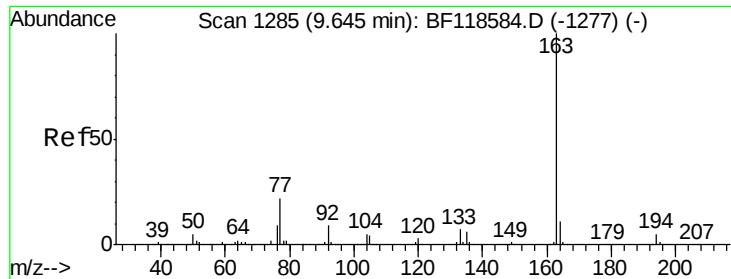
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#49
Acenaphthylene
Concen: 6.205 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF118623.D
Acq: 21 Jan 2020 7:35

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
151	19.8	18.6	27.8	
153	13.6	12.2	18.4	





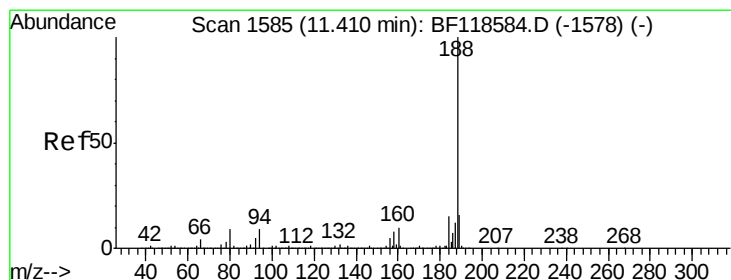
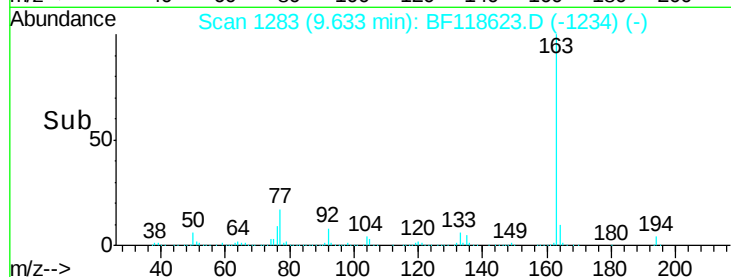
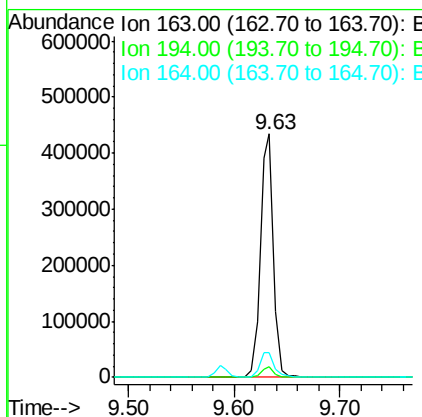
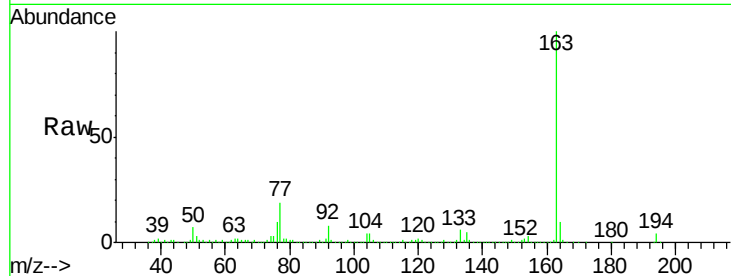
#50
Dimethylphthalate
Concen: 7.957 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF118623.D
Acq: 21 Jan 2020 7:35

Instrument :
BNA_F
ClientSampleId :
SB-49-(0.5-2)

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	4.3	3.9	5.9
164	10.3	9.1	13.7

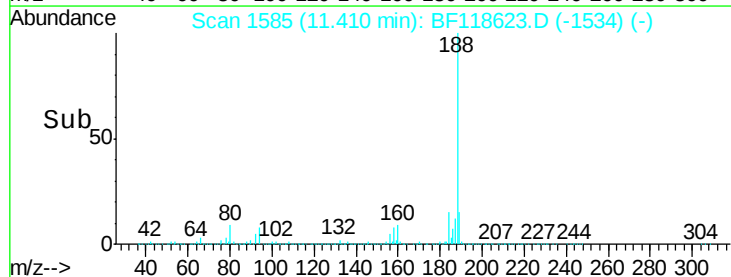
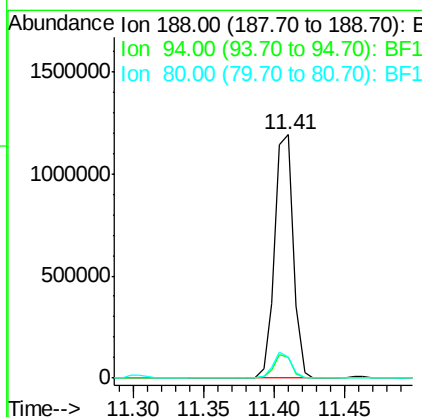
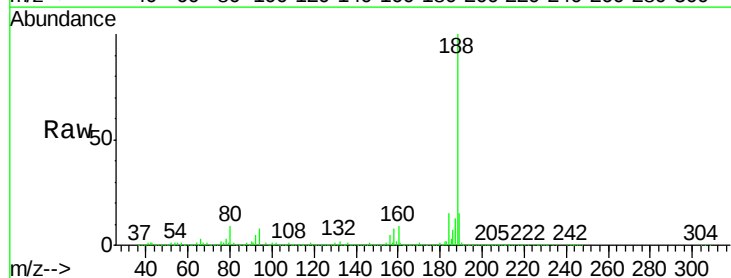
Manual Integrations
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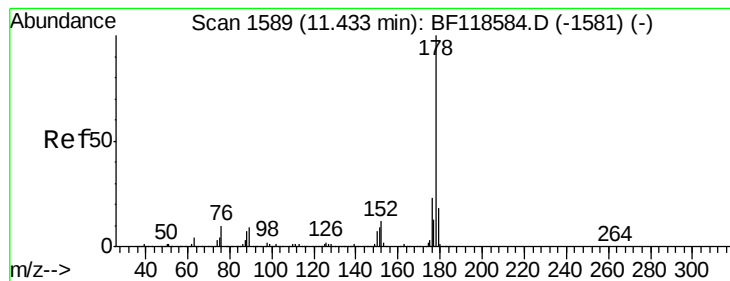
mohammad
1/21/2020 2:26:49 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF118623.D
Acq: 21 Jan 2020 7:35

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	8.3	7.1	10.7
80	8.8	7.5	11.3





#71

Phenanthrene

Concen: 17.199 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BF118623.D

Acq: 21 Jan 2020 7:35

Instrument :

BNA_F

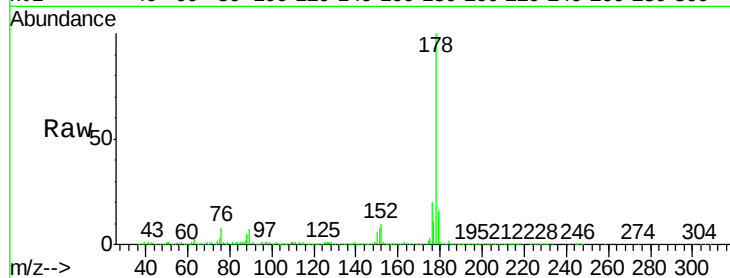
ClientSampleId :

SB-49-(0.5-2)

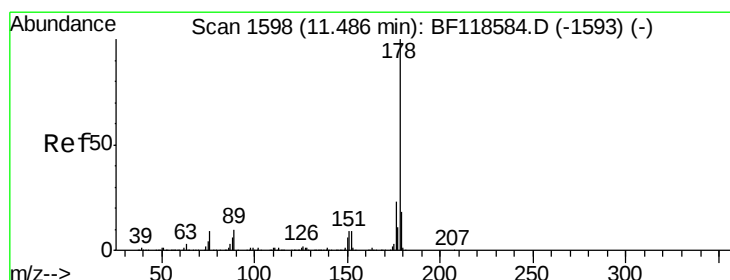
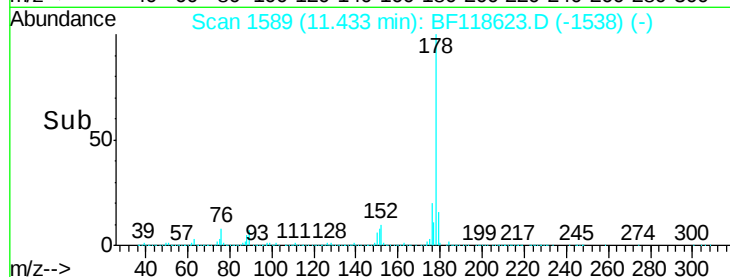
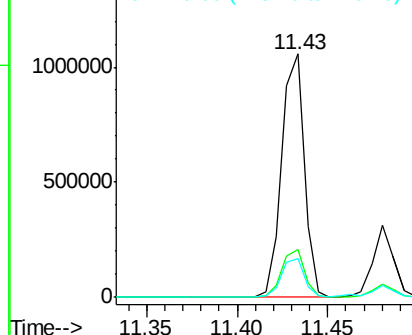
Tot Ion:	178	Resp:	918581
Ion Ratio	Lower	Upper	
178	100		
176	19.7	18.6	27.8
179	15.7	14.7	22.1

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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: 4.590 ng

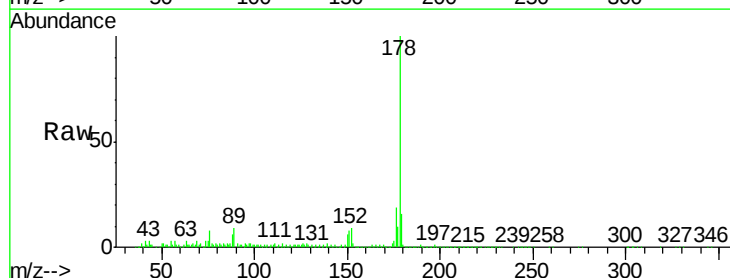
RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

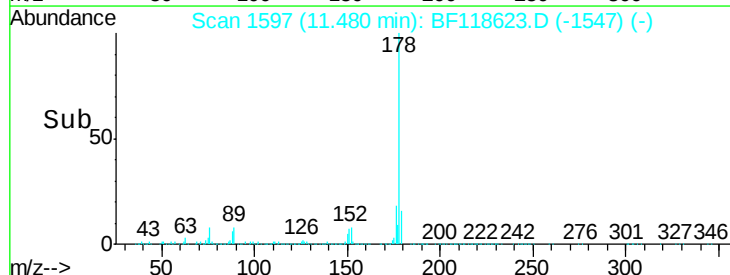
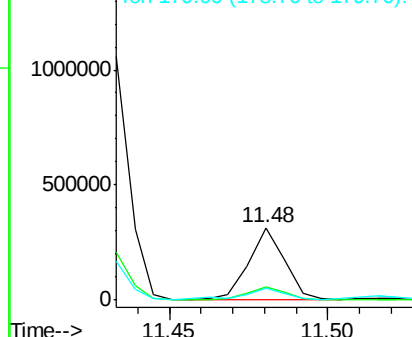
Lab File: BF118623.D

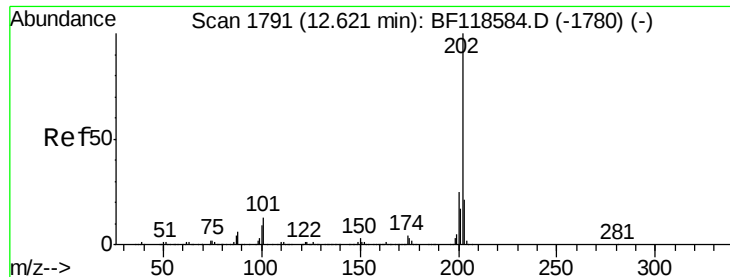
Acq: 21 Jan 2020 7:35

Tgt Ion:	178	Resp:	242564
Ion Ratio	Lower	Upper	
178	100		
176	18.5	18.0	27.0
179	16.2	14.7	22.1



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





#75

Fluoranthene

Concen: 23.485 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.00 min

Lab File: BF118623.D

Acq: 21 Jan 2020 7:35

Instrument :

BNA_F

ClientSampleId :

SB-49-(0.5-2)

Tot Ion:202 Resp: 1322908

Ion Ratio Lower Upper

202 100

101 11.4 0.0 32.5

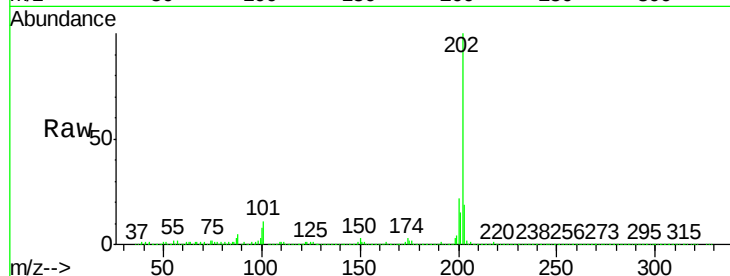
203 18.8 0.8 40.8

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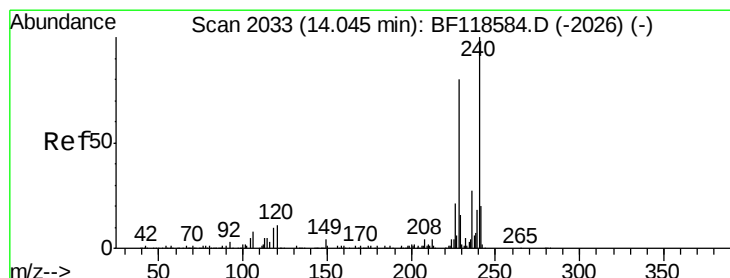
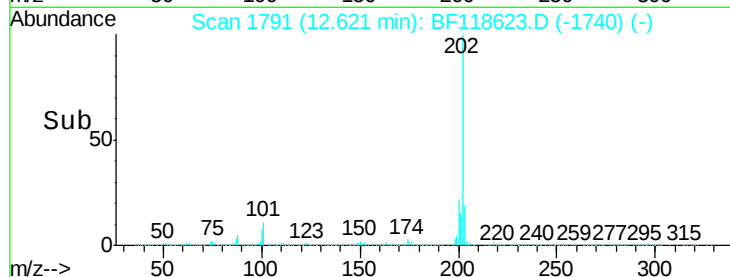
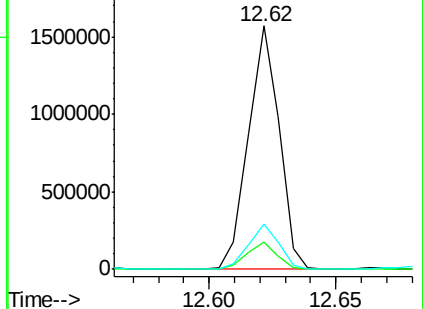
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BF118623.D

Acq: 21 Jan 2020 7:35

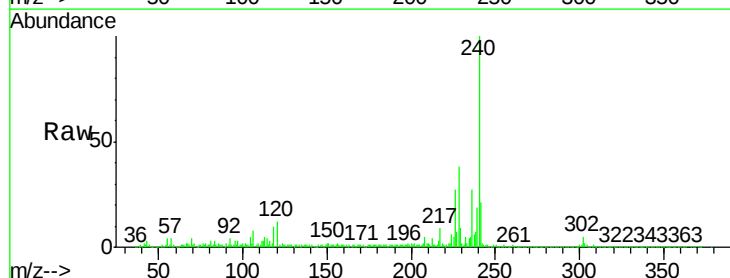
Tgt Ion:240 Resp: 849786

Ion Ratio Lower Upper

240 100

120 11.6 8.9 13.3

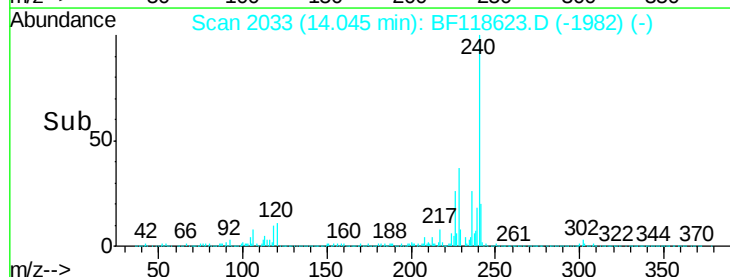
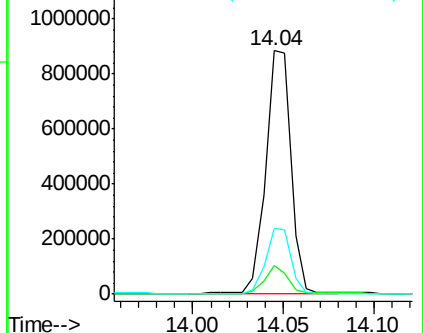
236 27.0 21.5 32.3

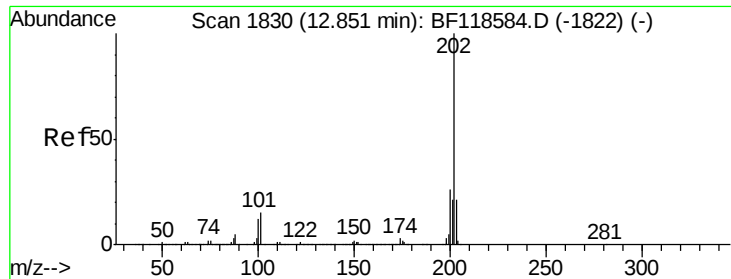


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





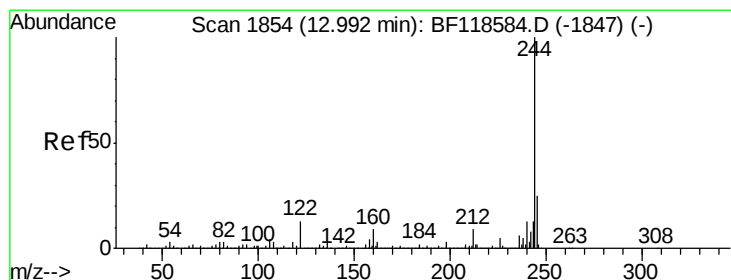
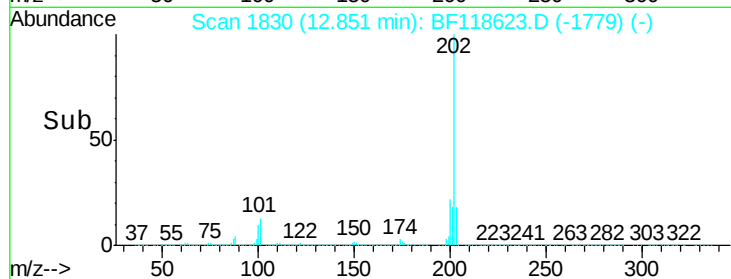
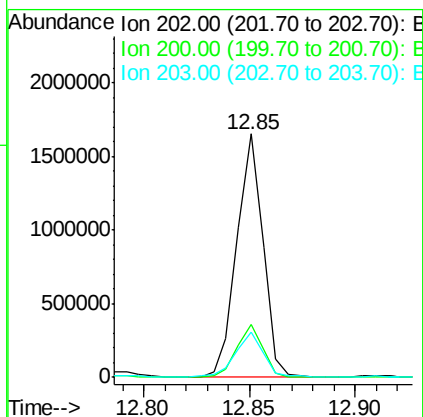
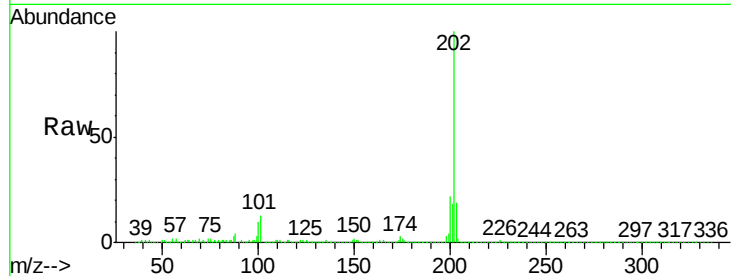
#78
Pvrene
Concen: 24.403 ng
RT: 12.85 min Scan# 1830
Delta R.T. 0.00 min
Lab File: BF118623.D
Acq: 21 Jan 2020 7:35

Instrument :
BNA_F
ClientSampleId :
SB-49-(0.5-2)

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.0	20.6	31.0
203	18.8	16.8	25.2

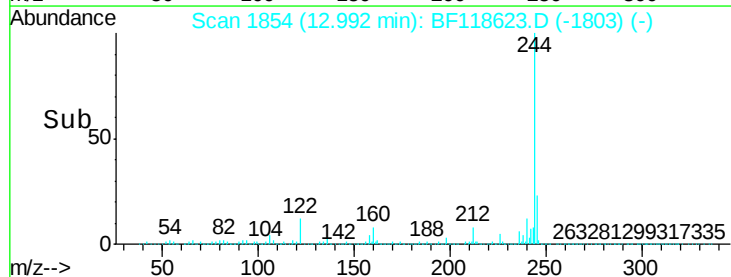
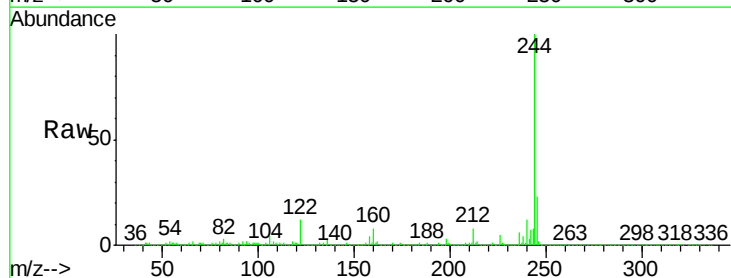
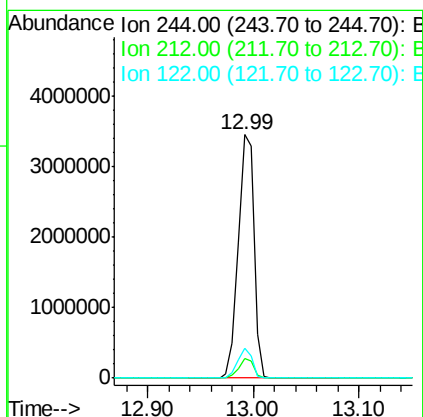
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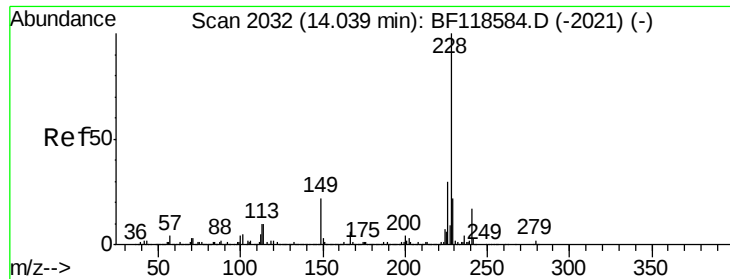
mohammad
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#79
Terphenyl-d14
Concen: 89.935 ng
RT: 12.99 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BF118623.D
Acq: 21 Jan 2020 7:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	7.0	10.4
122	12.3	10.7	16.1





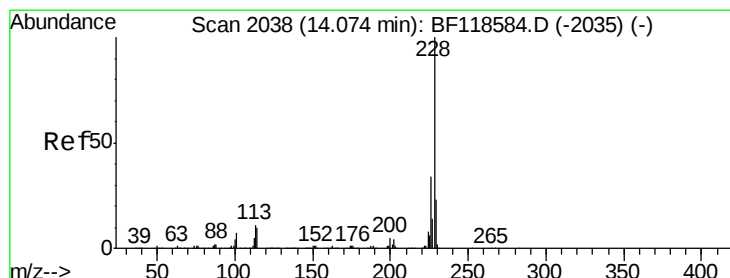
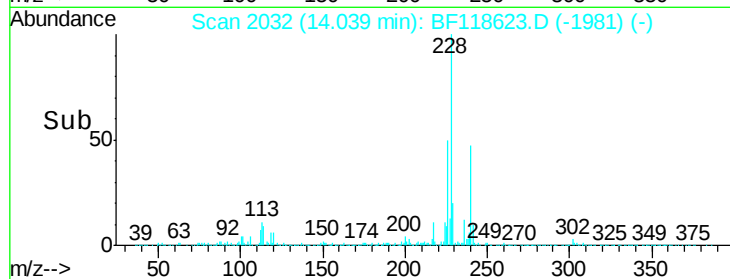
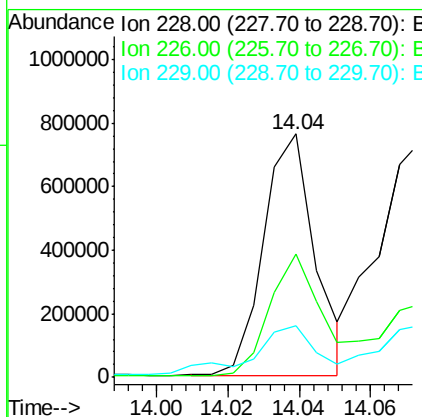
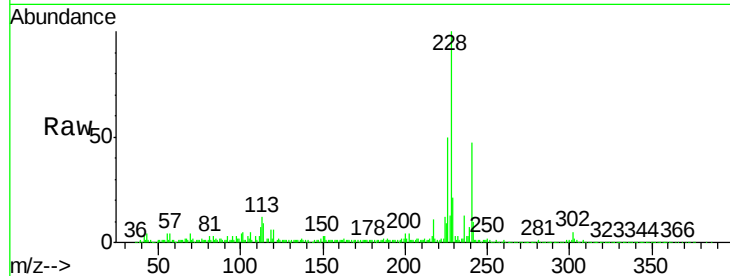
#81
Benzo(a)anthracene
Concen: 15.050 ng m
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF118623.D
Acq: 21 Jan 2020 7:35

Instrument :
BNA_F
ClientSampleId :
SB-49-(0.5-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	50.4	24.1	36.1#
229	21.0	17.6	26.4

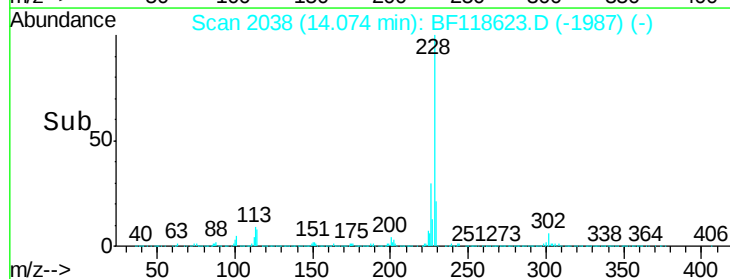
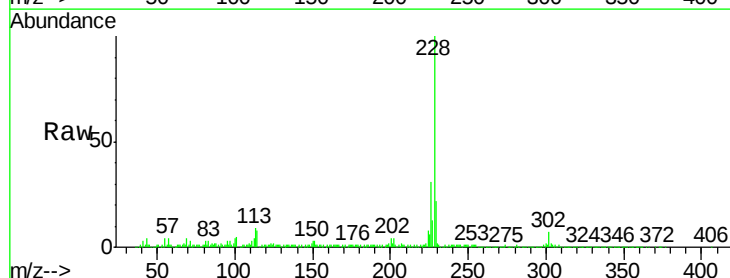
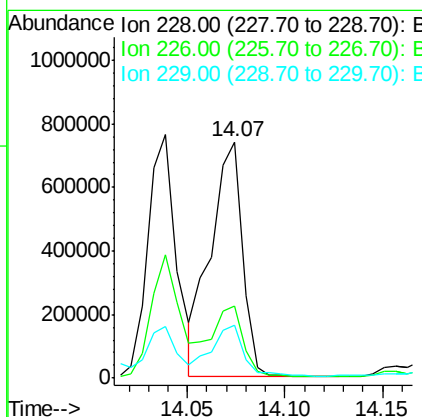
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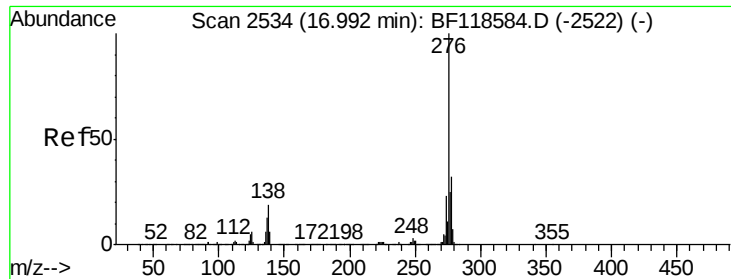
mohammad
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#83
Chrysene
Concen: 17.188 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.00 min
Lab File: BF118623.D
Acq: 21 Jan 2020 7:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	27.4	41.0
229	22.2	18.3	27.5





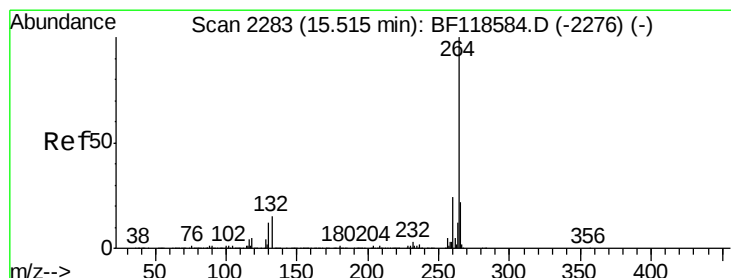
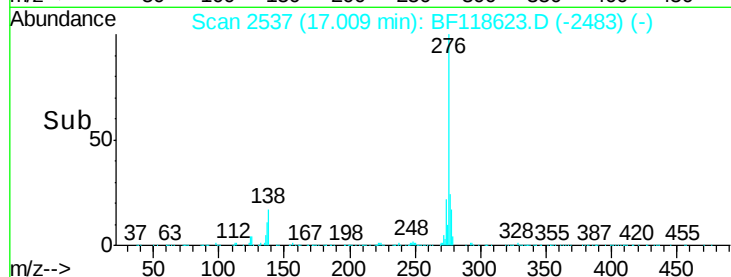
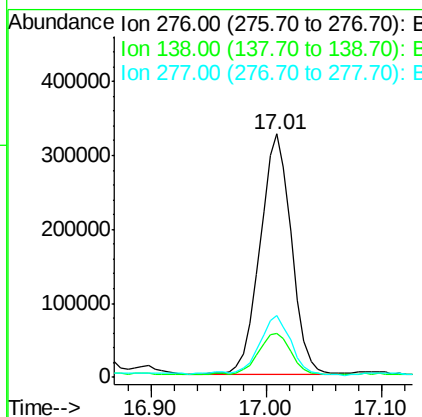
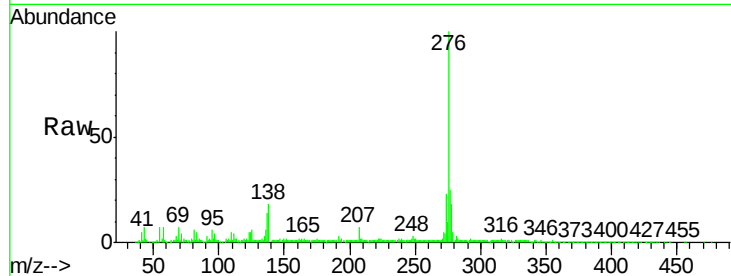
#86
Indeno(1,2,3-cd)pyrene
Concen: 14.459 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.02 min
Lab File: BF118623.D
Acq: 21 Jan 2020 7:35

Instrument :
BNA_F
ClientSampleId :
SB-49-(0.5-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.5	17.2	25.8
277	25.8	20.5	30.7

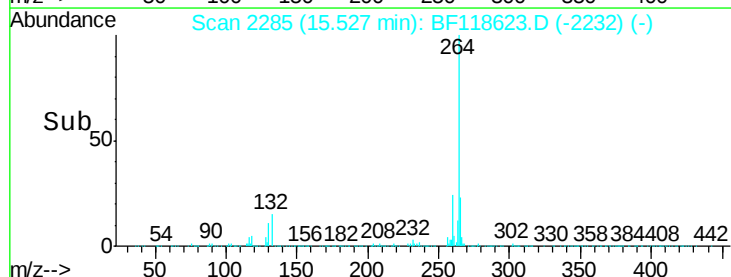
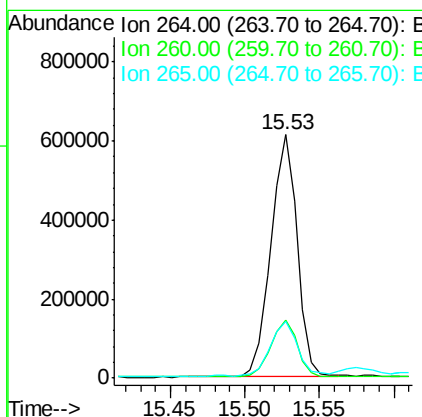
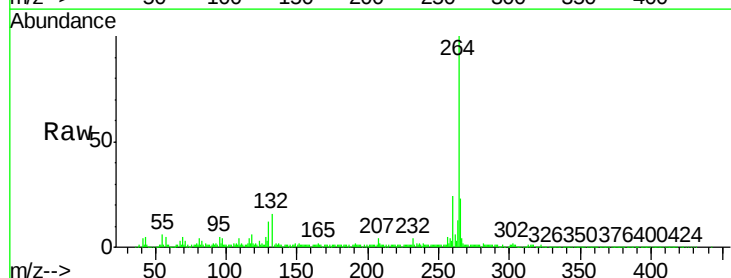
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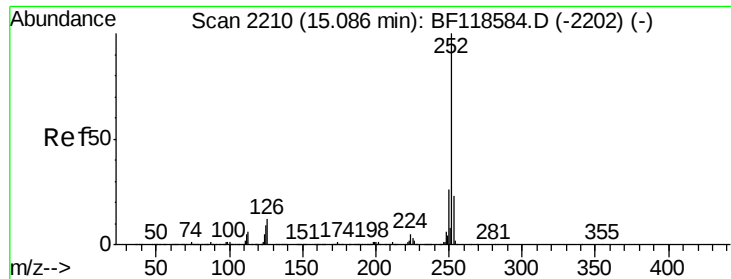
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.01 min
Lab File: BF118623.D
Acq: 21 Jan 2020 7:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.6	29.4
265	23.2	17.7	26.5





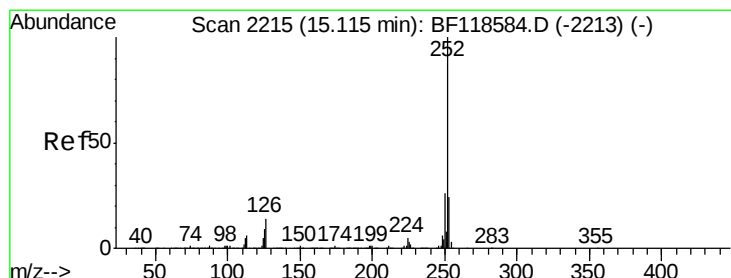
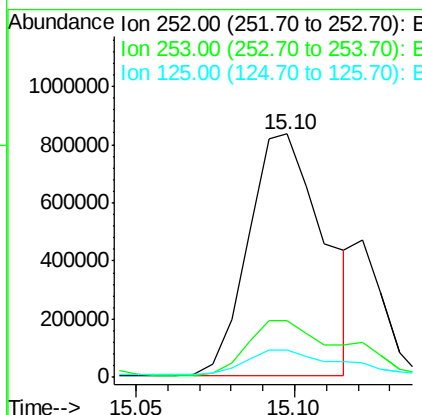
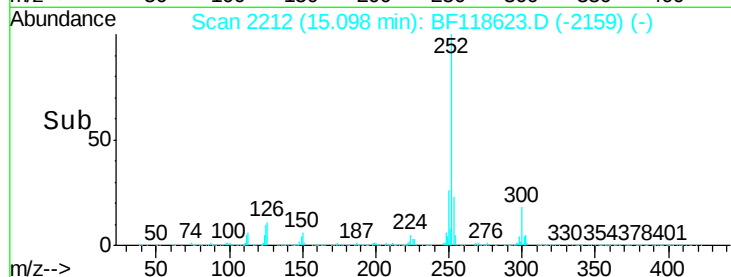
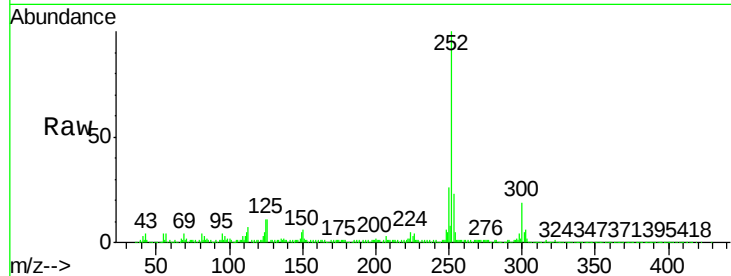
#88
Benzo(b)fluoranthene
Concen: 29.264 ng m
RT: 15.10 min Scan# 2212
Delta R.T. 0.01 min
Lab File: BF118623.D
Acq: 21 Jan 2020 7:35

Instrument :
BNA_F
ClientSampleId :
SB-49-(0.5-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.7	28.1
125	11.0	7.3	10.9

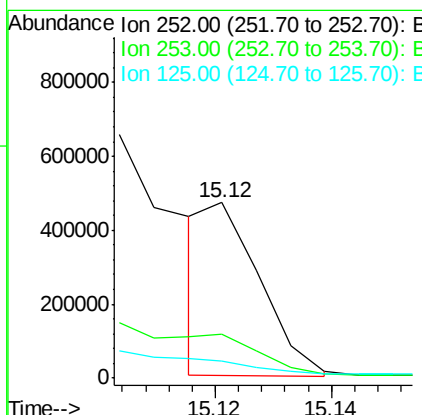
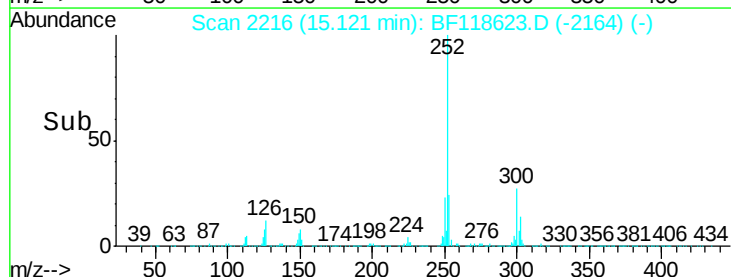
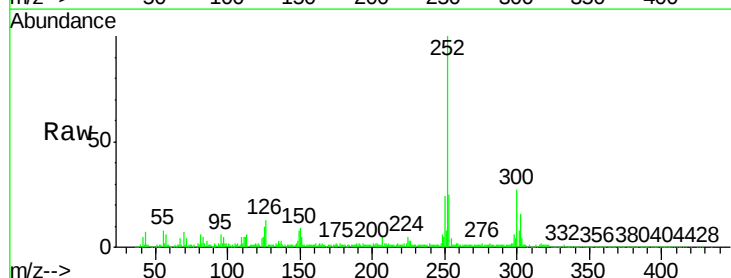
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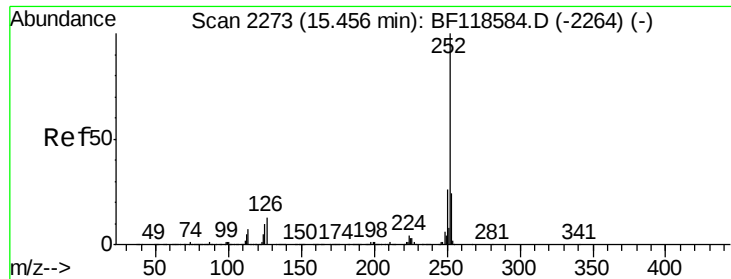
mohammad
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#89
Benzo(k)fluoranthene
Concen: 6.810 ng m
RT: 15.12 min Scan# 2216
Delta R.T. 0.01 min
Lab File: BF118623.D
Acq: 21 Jan 2020 7:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.0	28.4
125	10.1	7.6	11.4





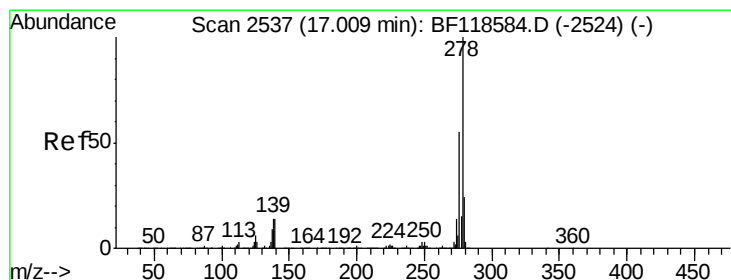
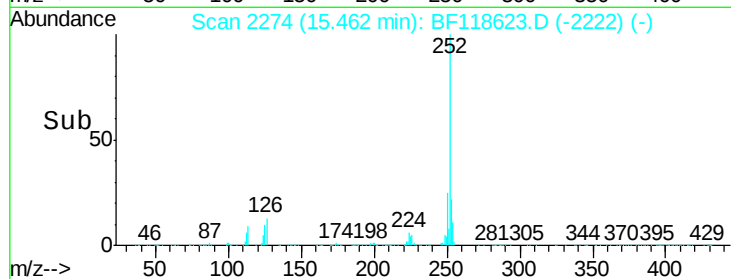
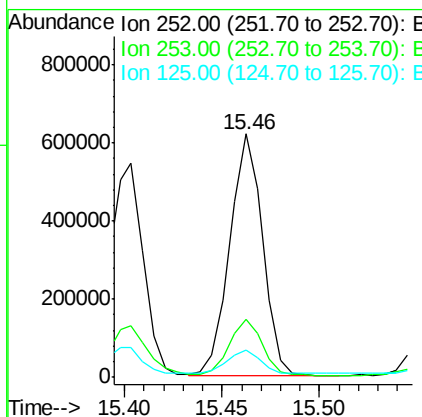
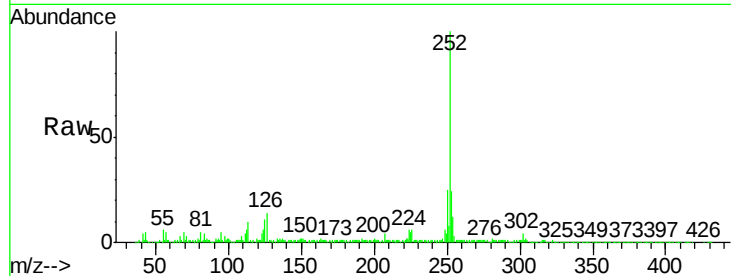
#90
Benzo(a)pyrene
Concen: 17.613 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF118623.D
Acq: 21 Jan 2020 7:35

Instrument :
BNA_F
ClientSampleId :
SB-49-(0.5-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.8	28.2
125	11.3	7.8	11.6

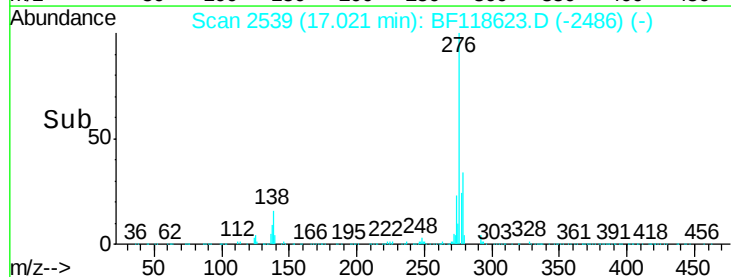
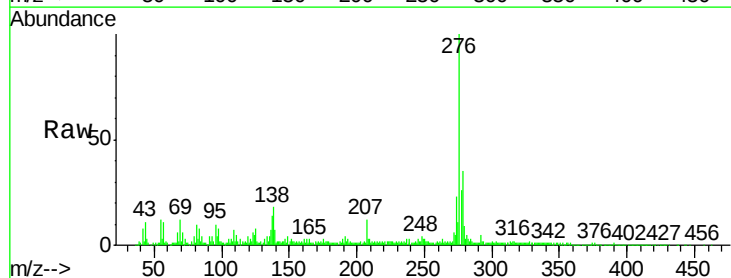
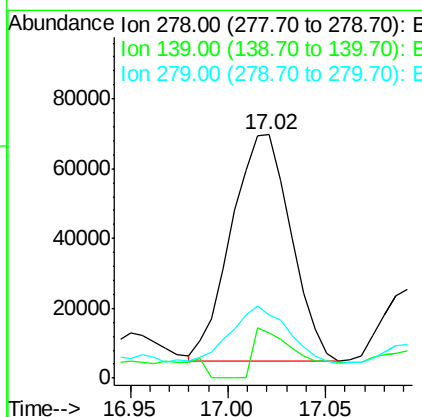
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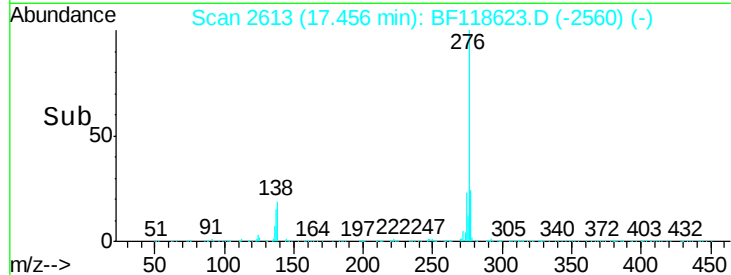
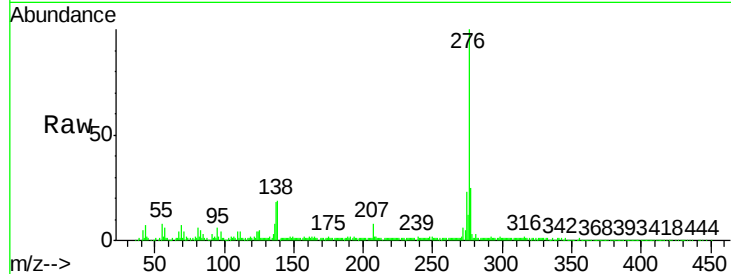
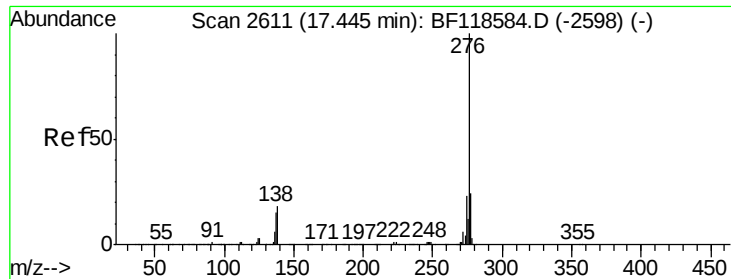
mohammad
1/21/2020 2:26:49 PM



#91
Dibenzo(a,h)anthracene
Concen: 3.832 ng
RT: 17.02 min Scan# 2539
Delta R.T. 0.01 min
Lab File: BF118623.D
Acq: 21 Jan 2020 7:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.4	11.4	17.0#
279	25.7	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 17.178 ng
 RT: 17.46 min Scan# 2613
 Delta R.T. 0.01 min
 Lab File: BF118623.D
 Acq: 21 Jan 2020 7:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-49-(0.5-2)

Tot Ion:	276	Resp:	602285
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.9	28.3
138	19.4	14.4	21.6

Manual Integrations
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