

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
 Data File : BF119623.D
 Acq On : 28 Mar 2020 18:10
 Operator : CG/JU
 Sample : L2029-04
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1B-(0-2)

Manual Integrations
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 3/31/2020 8:14:51 AM

Quant Time: Mar 30 01:46:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 27 07:52:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	303592	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1095338	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	458508	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	764052	20.00	ng	0.00
76) Chrysene-d12	14.01	240	578079	20.00	ng	0.00
87) Perylene-d12	15.47	264	537880	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1779312	93.30	ng	0.01
7) Phenol-d6	6.46	99	2246494	92.21	ng	0.00
23) Nitrobenzene-d5	7.40	82	1329686	65.98	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	404341	85.48	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2241451	72.42	ng	0.00
79) Terphenyl-d14	12.95	244	1739239	58.95	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.59	163	250651	7.696	ng	99
71) Phenanthrene	11.39	178	91100	2.299	ng	96
75) Fluoranthene	12.58	202	498315	11.622	ng	98
78) Pyrene	12.80	202	431650	9.098	ng	99
81) Benzo(a)anthracene	14.00	228	183794	4.889	ng	99
83) Chrysene	14.03	228	169129	4.359	ng	97
86) Indeno(1,2,3-cd)pyrene	16.93	276	87029	2.382	ng	97
88) Benzo(b)fluoranthene	15.04	252	235786m	6.562	ng	
90) Benzo(a)pyrene	15.40	252	161570	4.948	ng	100
92) Benzo(g,h,i)perylene	17.36	276	82445	2.873	ng	# 93

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

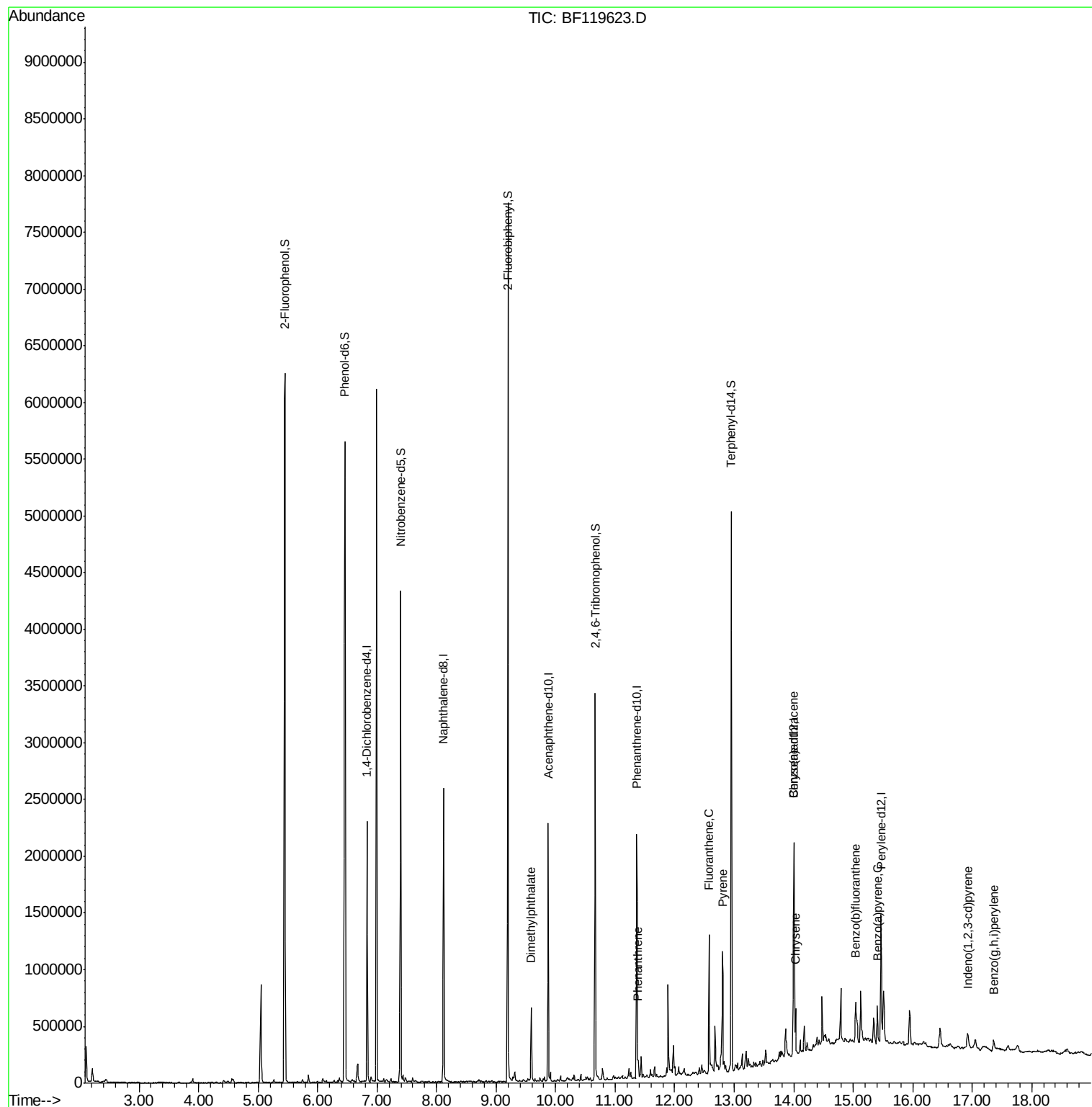
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032720\
Data File : BF119623.D
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Operator : CG/JU
Sample : L2029-04
Misc :
ALS Vial : 53 Sample Multiplier: 1

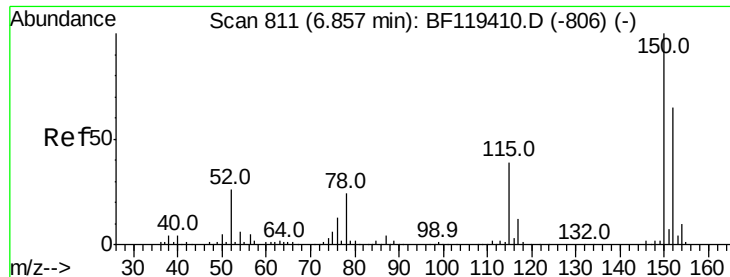
Instrument :
BNA_F
ClientSampleId :
SB-1B-(0-2)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

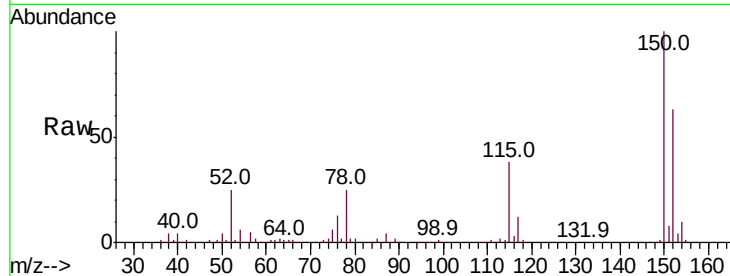
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.00 min
Lab File: BF119623.D
Acq: 28 Mar 2020 18:10

Instrument :
BNA_F
ClientSampleId :
SB-1B-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.5	186.7
115	59.6	49.6	74.4

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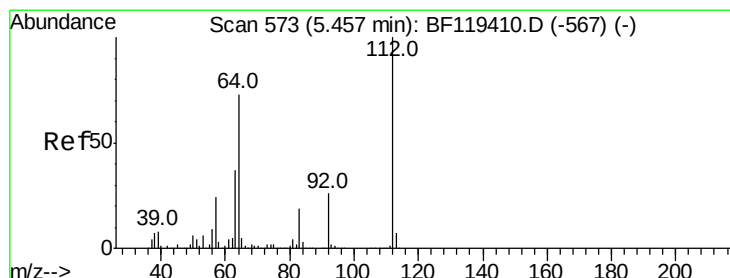
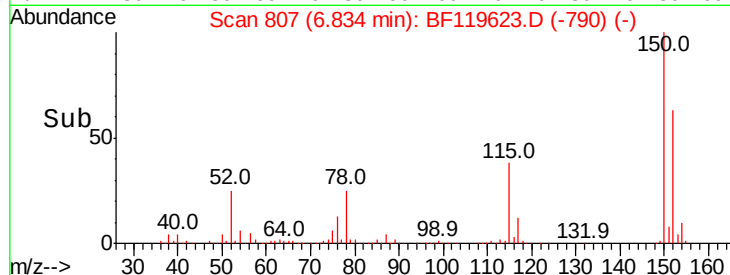
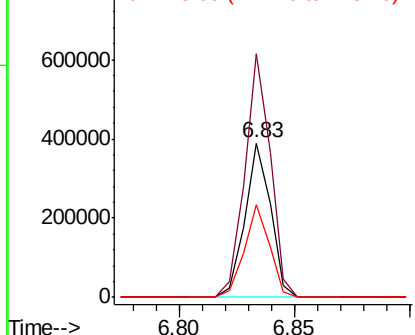


Abundance

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: 93.299 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF119623.D
Acq: 28 Mar 2020 18:10

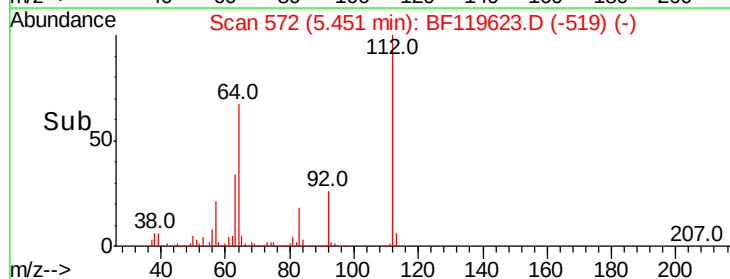
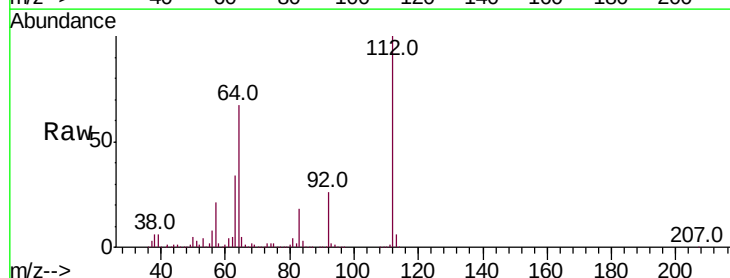
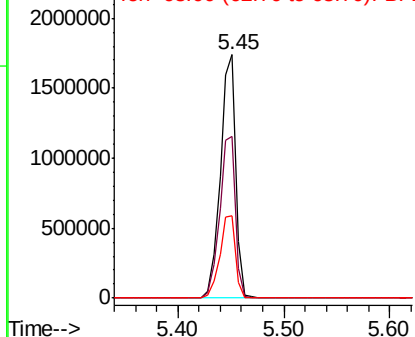
Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	56.7	85.1
63	33.7	29.5	44.3

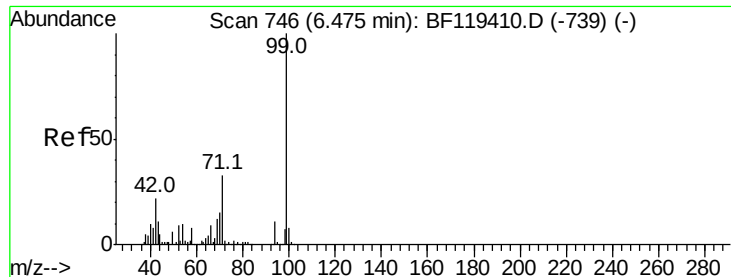
Abundance

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: 92.214 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF119623.D

Acq: 28 Mar 2020 18:10

Instrument :

BNA_F

ClientSampled :

SB-1B-(0-2)

Tot Ion: 99 Resp: 2246494

Ion Ratio Lower Upper

99 100

42 20.0 16.6 24.8

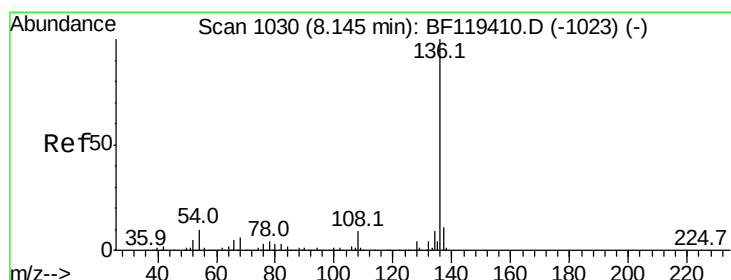
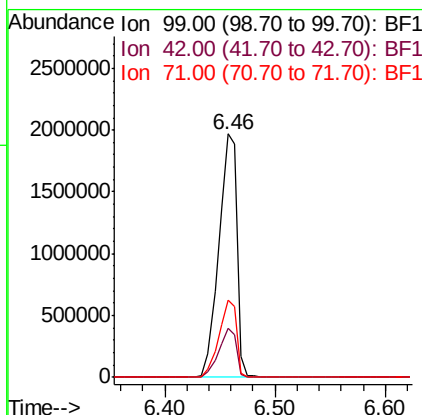
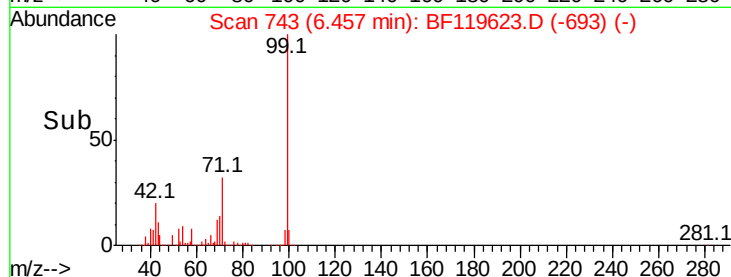
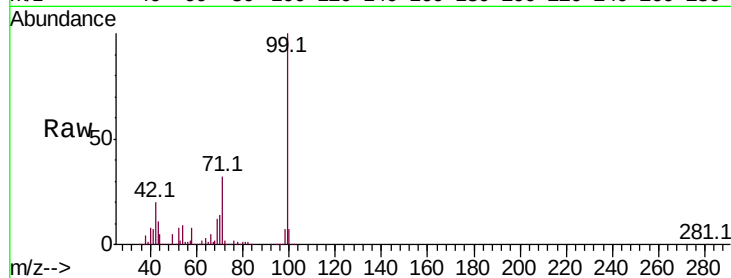
71 31.6 26.4 39.6

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF119623.D

Acq: 28 Mar 2020 18:10

Tgt Ion: 136 Resp: 1095338

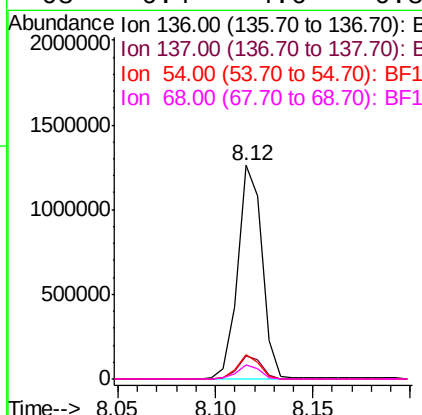
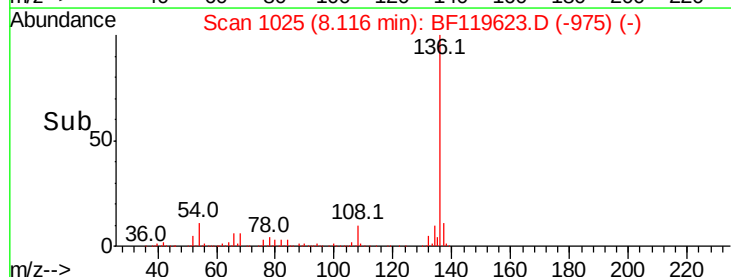
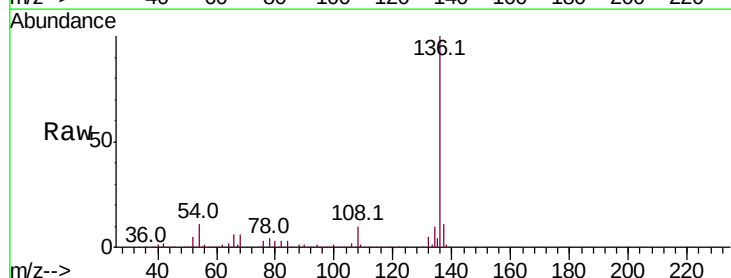
Ion Ratio Lower Upper

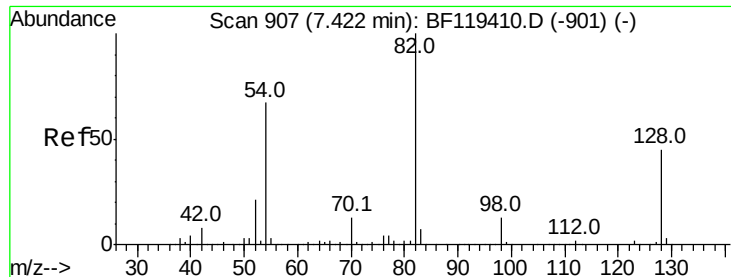
136 100

137 11.1 8.7 13.1

54 11.4 9.1 13.7

68 6.4 4.6 6.8





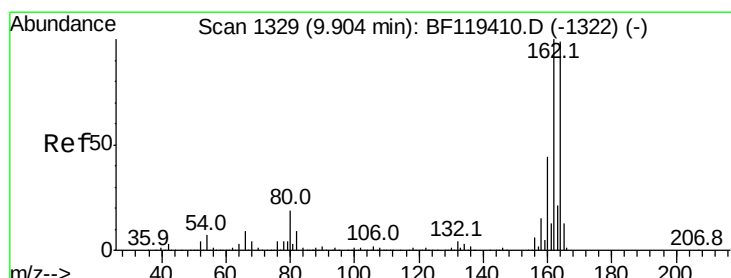
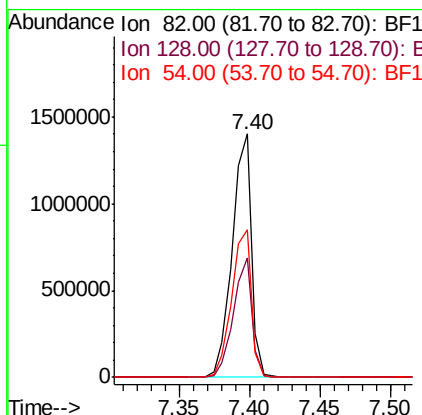
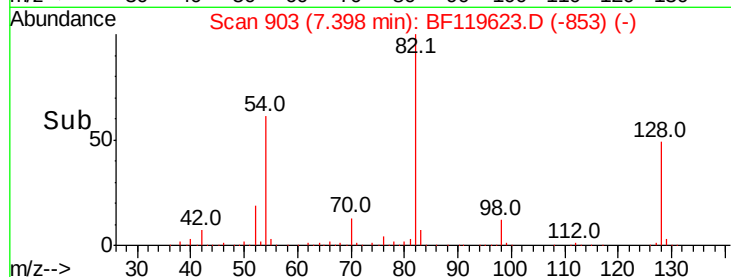
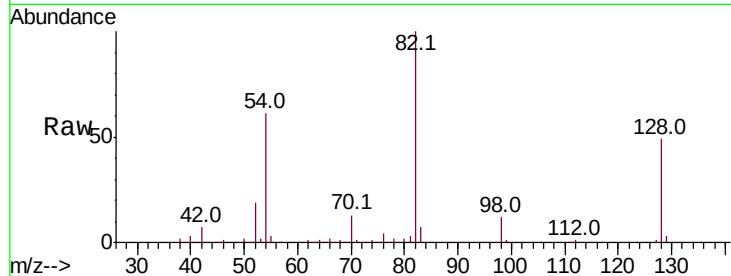
#23
Nitrobenzene-d5
Concen: 65.976 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF119623.D
Acq: 28 Mar 2020 18:10

Instrument :
BNA_F
ClientSampleId :
SB-1B-(0-2)

Tot Ion: 82 Resp: 1329686
Ion Ratio Lower Upper
82 100
128 48.8 36.3 54.5
54 60.7 50.6 75.8

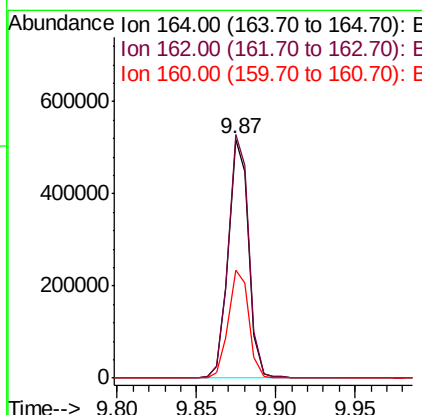
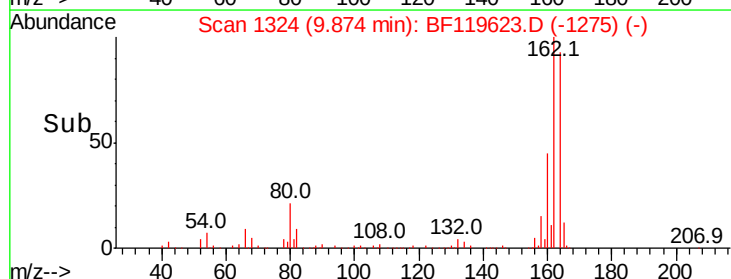
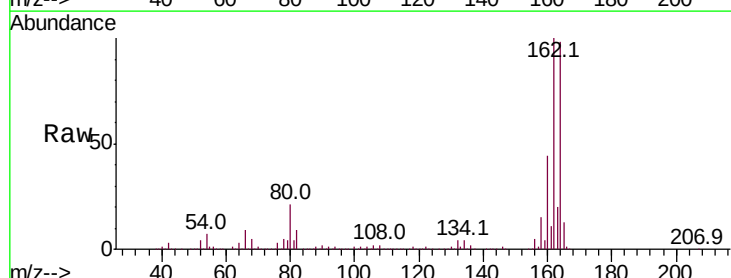
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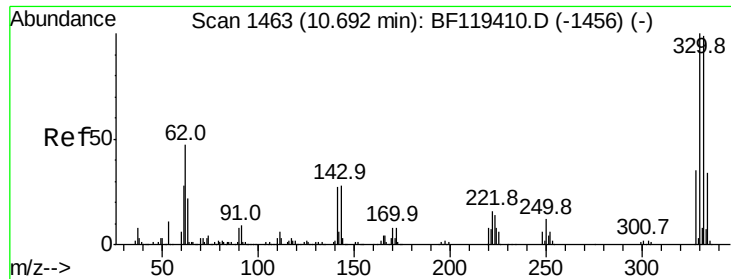
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF119623.D
Acq: 28 Mar 2020 18:10

Tgt Ion: 164 Resp: 458508
Ion Ratio Lower Upper
164 100
162 102.0 80.6 121.0
160 45.3 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 85.480 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF119623.D

Acq: 28 Mar 2020 18:10

Instrument :

BNA_F

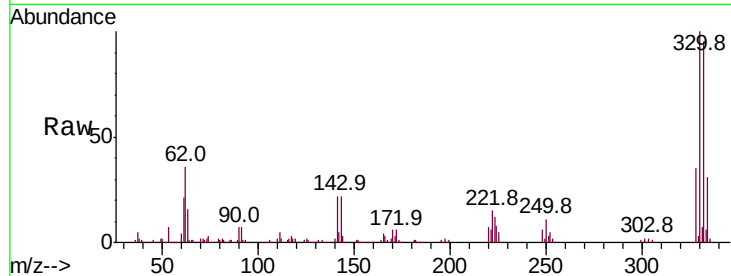
ClientSampled :

SB-1B-(0-2)

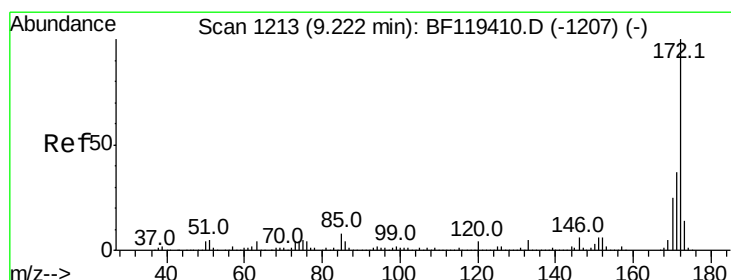
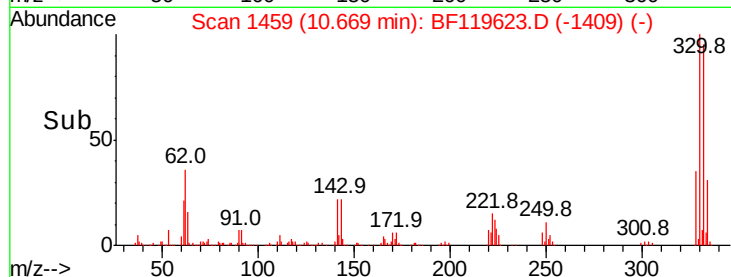
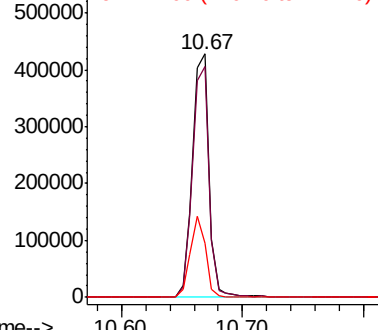
Tot Ion:	330	Resp:	404341
Ion Ratio	Lower	Upper	
330	100		
332	95.4	75.7	113.5
141	31.1	25.4	38.0

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



#45

2-Fluorobiphenyl

Concen: 72.423 ng

RT: 9.20 min Scan# 1209

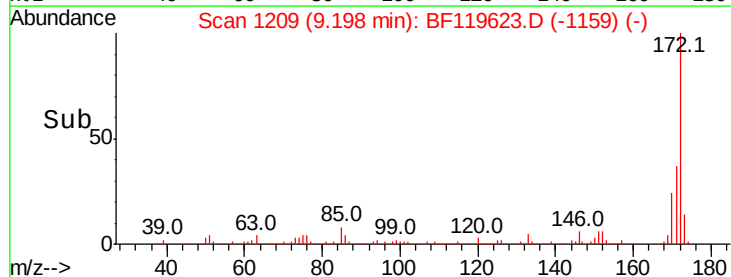
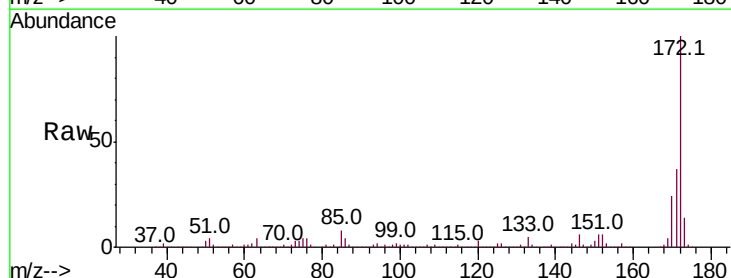
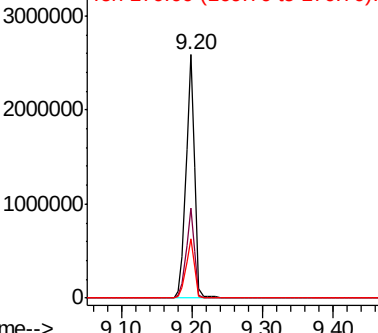
Delta R.T. -0.01 min

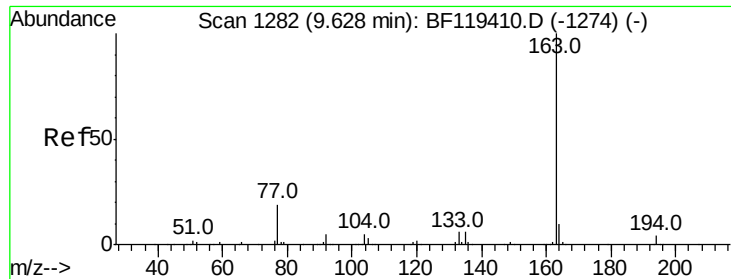
Lab File: BF119623.D

Acq: 28 Mar 2020 18:10

Tgt Ion:	172	Resp:	2241451
Ion Ratio	Lower	Upper	
172	100		
171	36.8	29.6	44.4
170	24.4	20.2	30.2

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: 7.696 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF119623.D

Acq: 28 Mar 2020 18:10

Instrument :

BNA_F

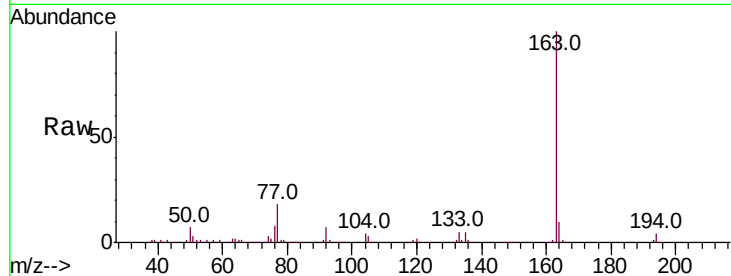
ClientSampleId :

SB-1B-(0-2)

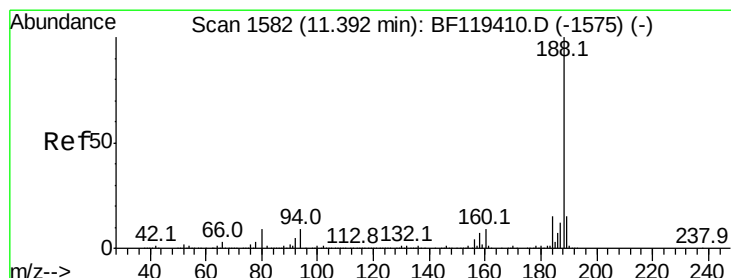
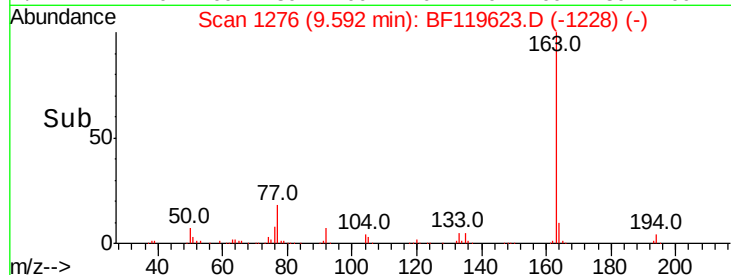
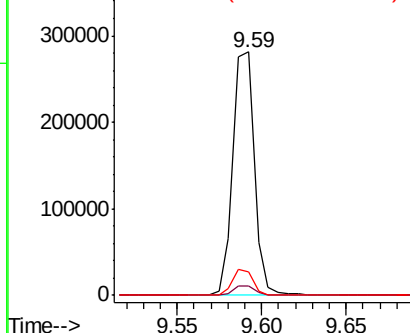
Tot Ion	Ratio	Resp	Lower	Upper
163	100	250651		
194	3.7		3.1	4.7
164	9.8		8.2	12.2

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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



#64

Phenanthrene-d10

Concen: 20.000 ng

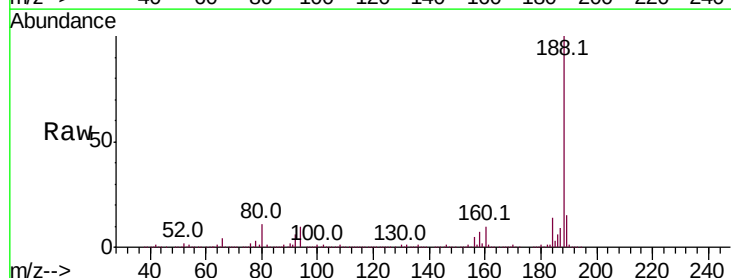
RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

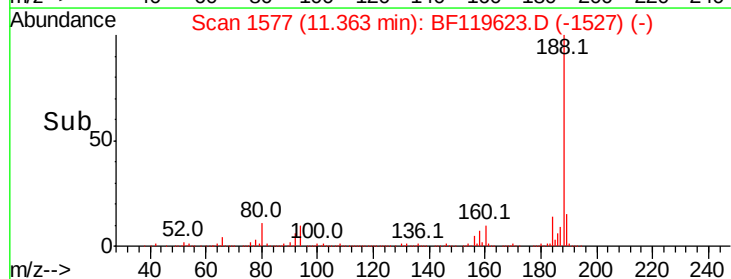
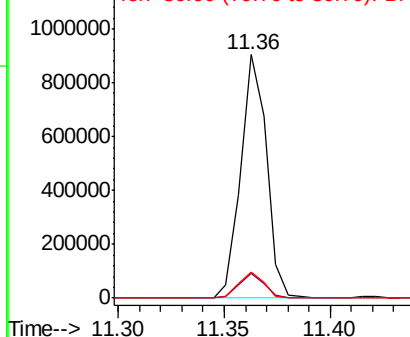
Lab File: BF119623.D

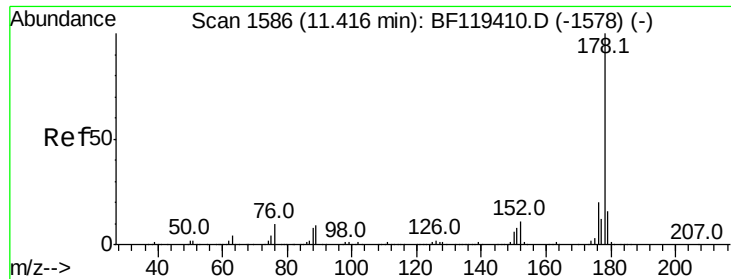
Acq: 28 Mar 2020 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	764052		
94	10.2		7.5	11.3
80	10.8		9.0	13.4



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 2.299 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF119623.D

Acq: 28 Mar 2020 18:10

Instrument :

BNA_F

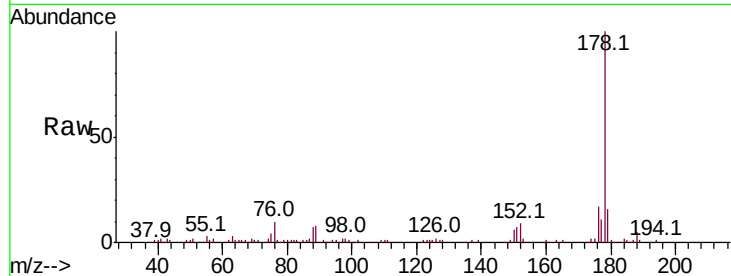
ClientSampleId :

SB-1B-(0-2)

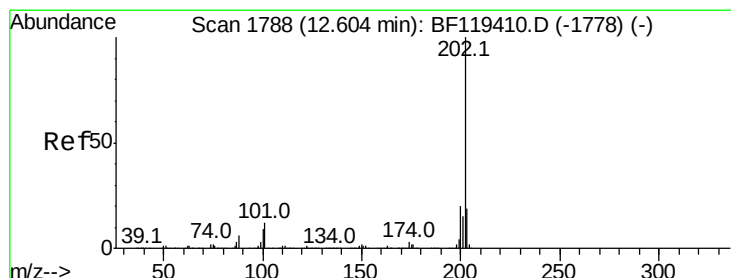
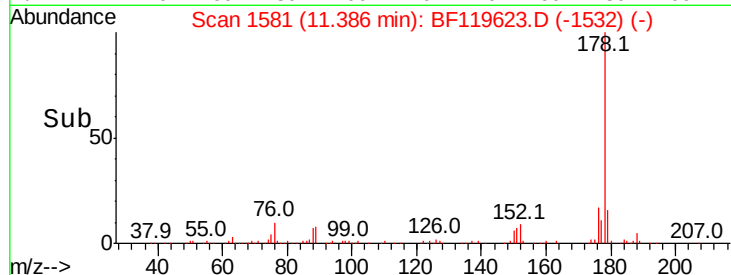
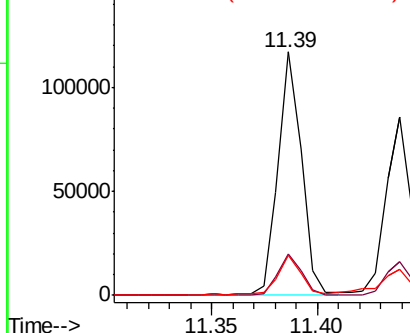
Tot Ion:	178	Resp:	91100
Ion Ratio	Lower	Upper	
178	100		
176	17.0	16.2	24.4
179	16.4	13.2	19.8

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 11.622 ng

RT: 12.58 min Scan# 1784

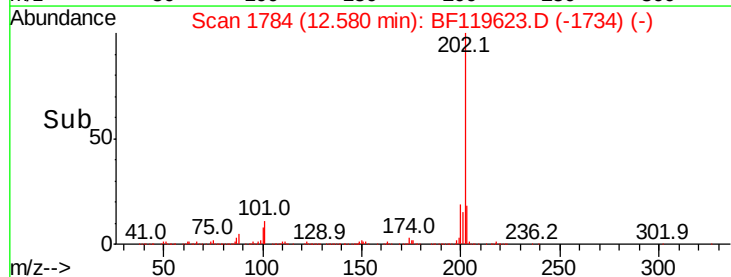
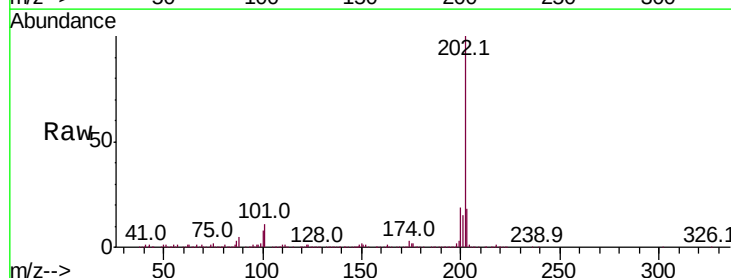
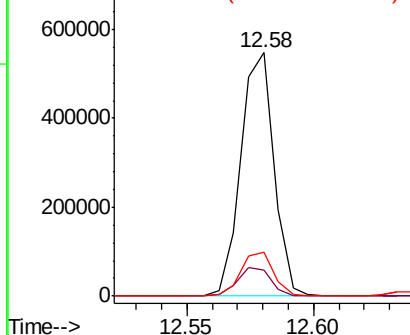
Delta R.T. -0.01 min

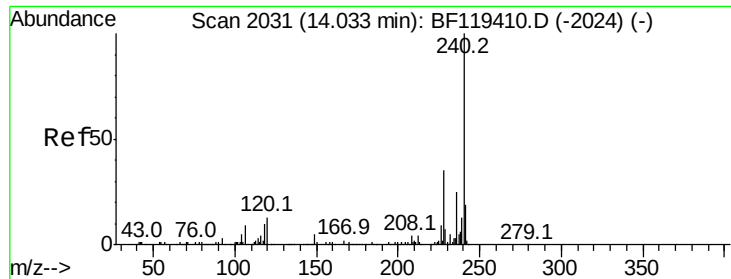
Lab File: BF119623.D

Acq: 28 Mar 2020 18:10

Tgt Ion:	202	Resp:	498315
Ion Ratio	Lower	Upper	
202	100		
101	10.9	0.0	32.2
203	17.9	0.0	38.8

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





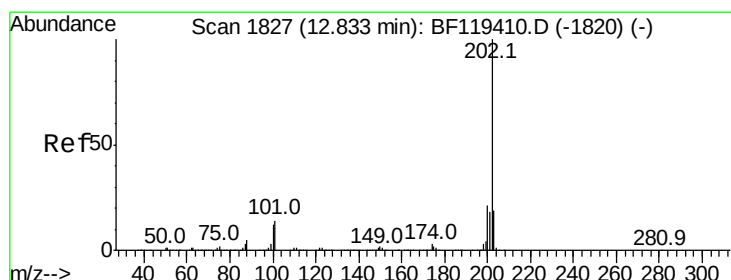
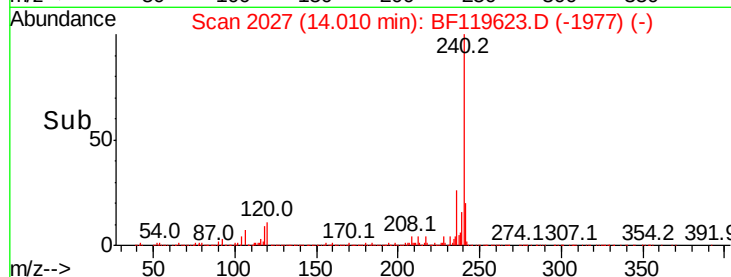
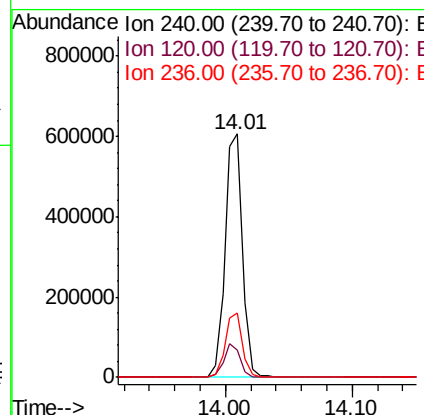
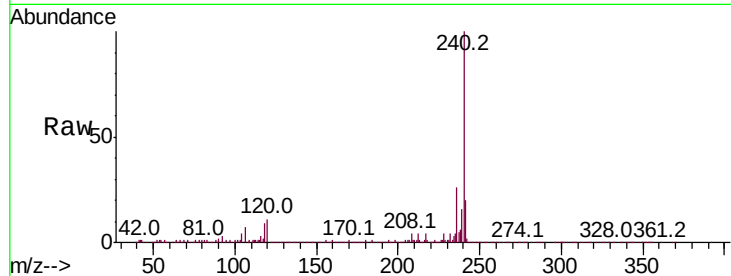
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF119623.D
Acq: 28 Mar 2020 18:10

Instrument :
BNA_F
ClientSampleId :
SB-1B-(0-2)

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.4	10.6	15.8
236	26.3	20.2	30.2

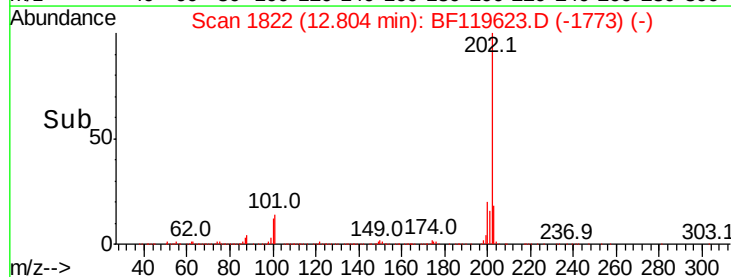
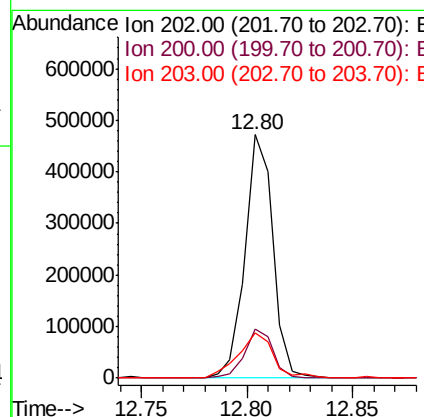
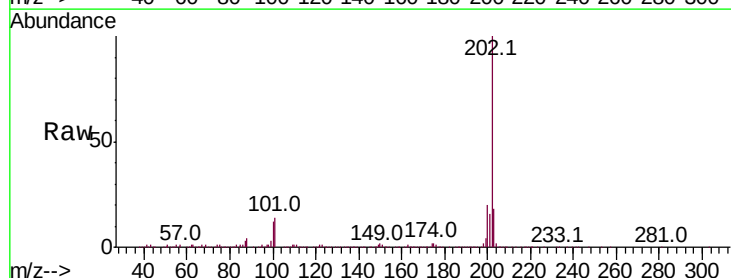
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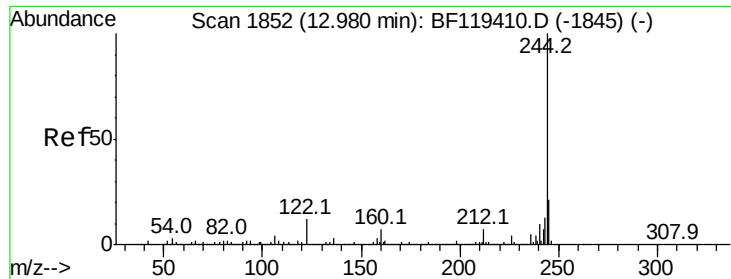
mohammad
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#78
Pyrene
Concen: 9.098 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF119623.D
Acq: 28 Mar 2020 18:10

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.8	25.2
203	18.4	15.1	22.7





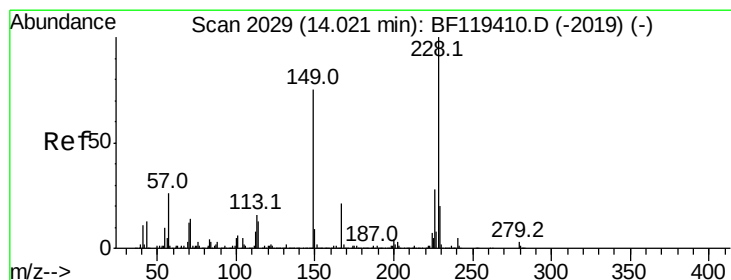
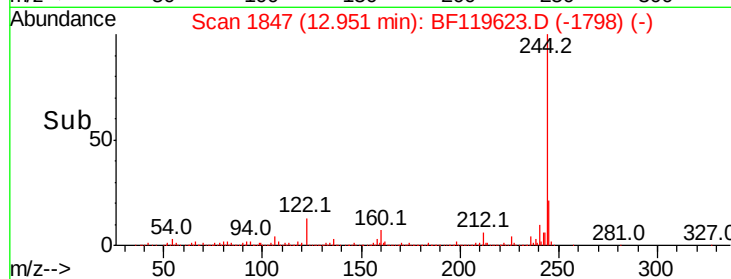
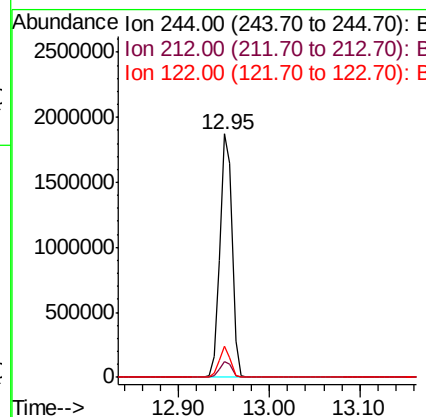
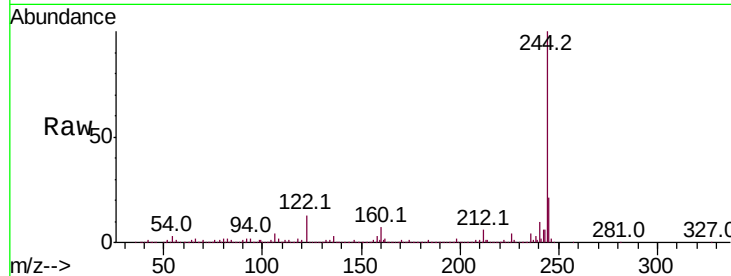
#79
 Terphenyl-d14
 Concen: 58.946 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF119623.D
 Acq: 28 Mar 2020 18:10

Instrument :
 BNA_F
 ClientSampleID :
 SB-1B-(0-2)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.8	8.8
122	12.7	10.3	15.5

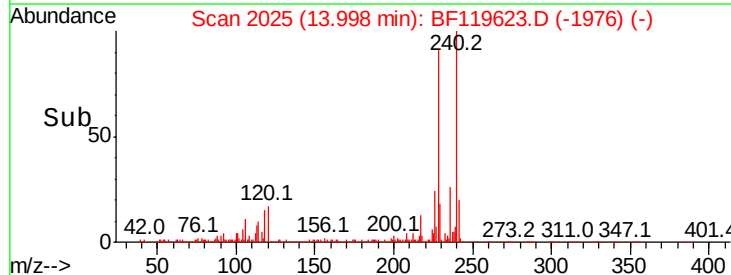
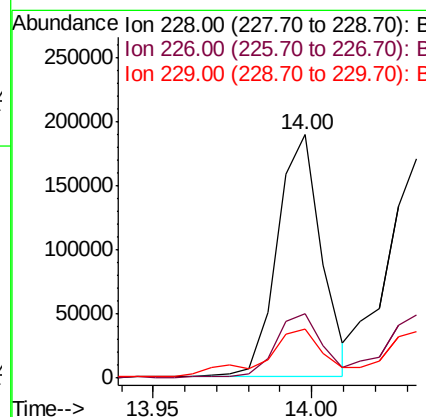
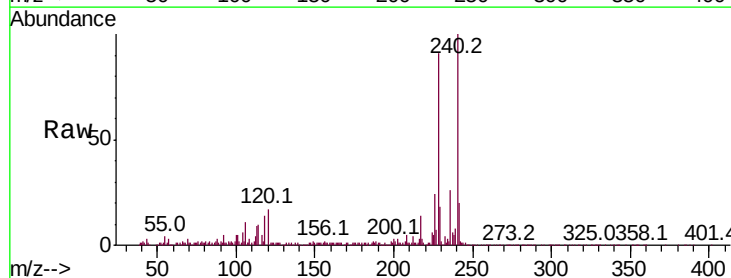
Manual Integrations
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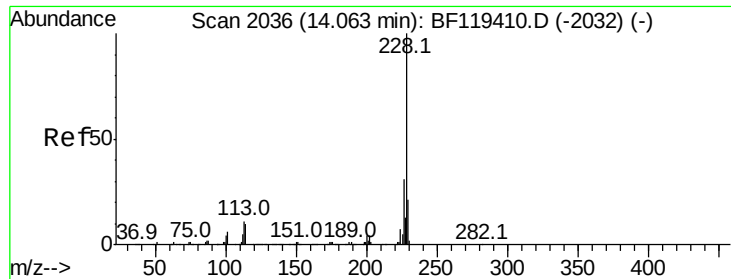
mohammad
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#81
 Benzo(a)anthracene
 Concen: 4.889 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. -0.01 min
 Lab File: BF119623.D
 Acq: 28 Mar 2020 18:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.8	32.8
229	20.2	16.2	24.4





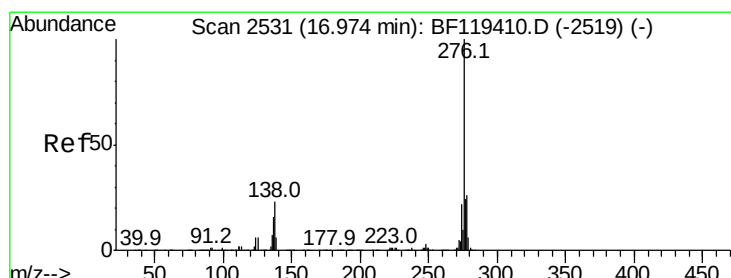
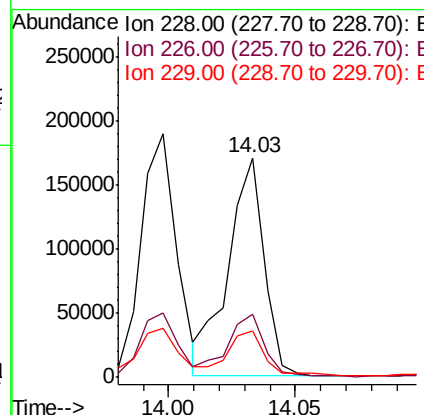
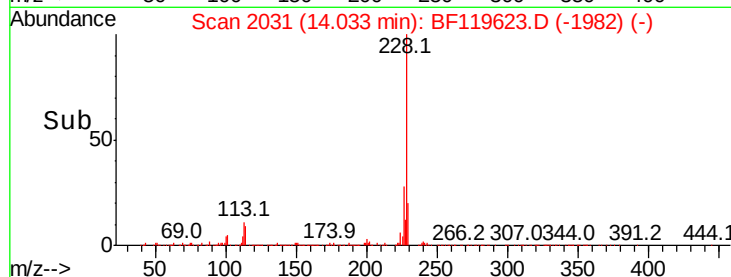
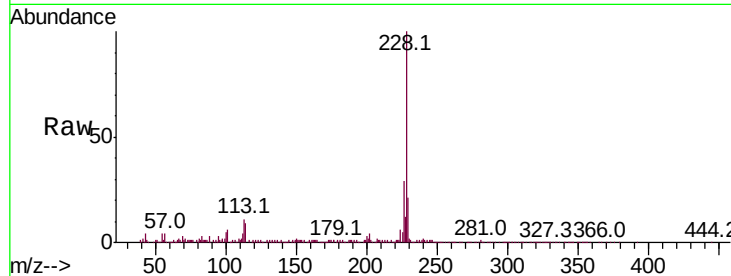
#83
Chrysene
Concen: 4.359 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF119623.D
Acq: 28 Mar 2020 18:10

Instrument :
BNA_F
ClientSampled :
SB-1B-(0-2)

Tot Ion:228	Resp:	169129
Ion Ratio	Lower	Upper
228 100		
226 28.7	25.4	38.0
229 20.9	16.6	24.8

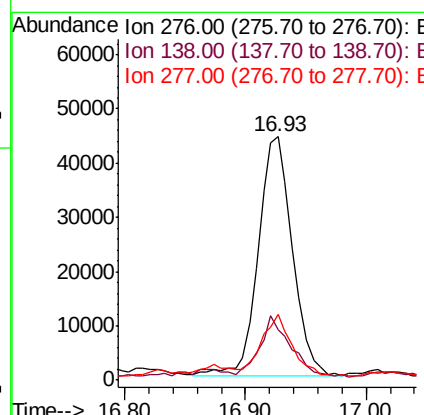
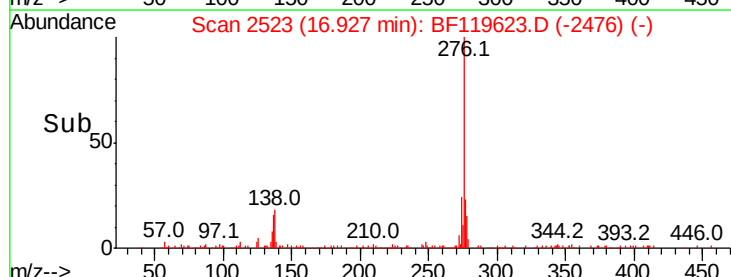
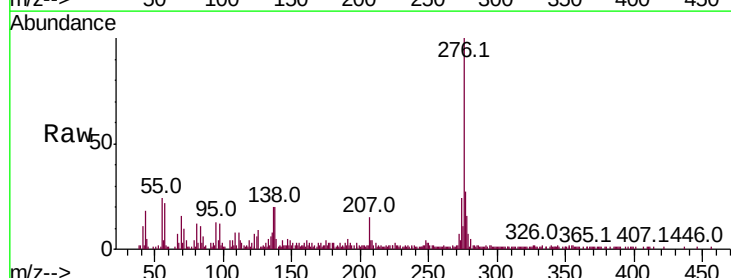
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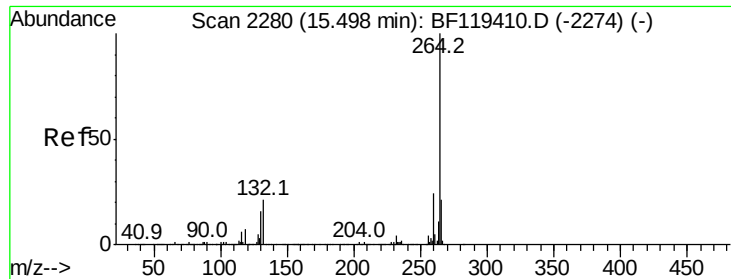
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.382 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.02 min
Lab File: BF119623.D
Acq: 28 Mar 2020 18:10

Tgt Ion:276	Resp:	87029
Ion Ratio	Lower	Upper
276 100		
138 23.7	19.6	29.4
277 22.8	20.0	30.0





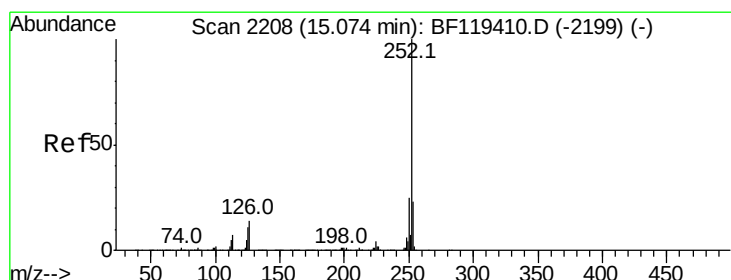
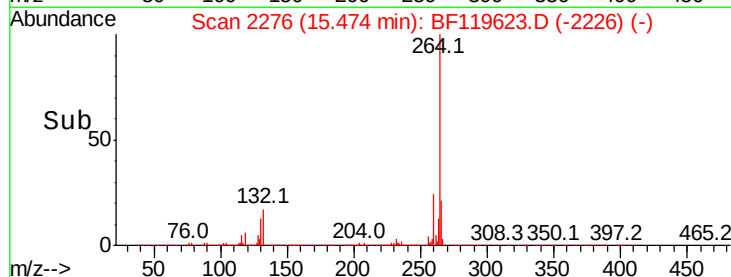
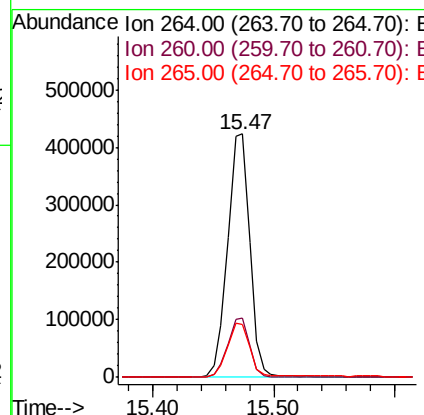
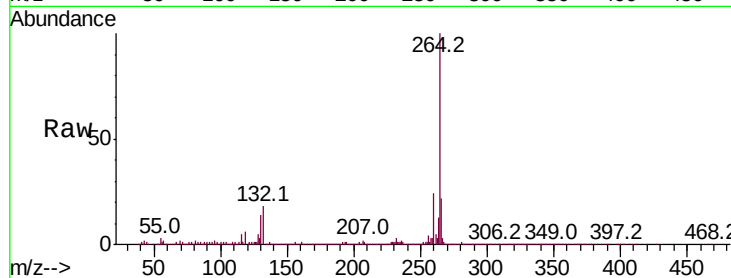
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BF119623.D
Acq: 28 Mar 2020 18:10

Instrument :
BNA_F
ClientSampled :
SB-1B-(0-2)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.7	28.1
265	21.5	17.7	26.5

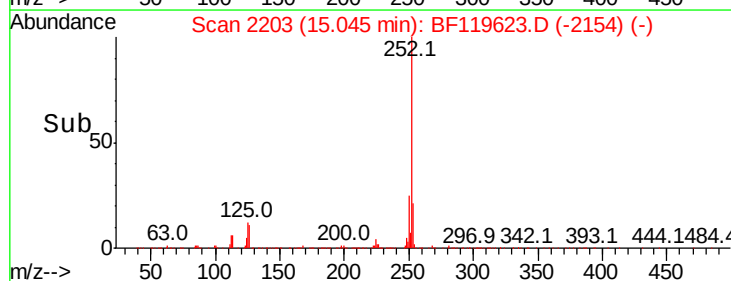
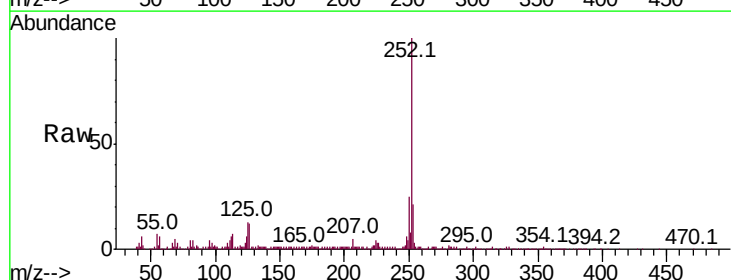
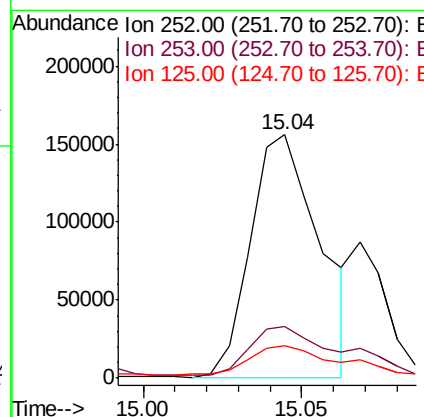
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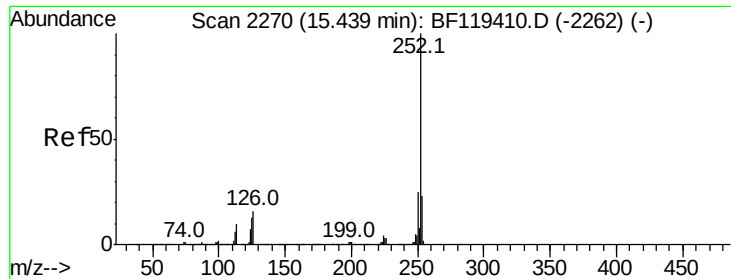
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#88
Benzo(b)fluoranthene
Concen: 6.562 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF119623.D
Acq: 28 Mar 2020 18:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.0
125	13.1	7.9	11.9





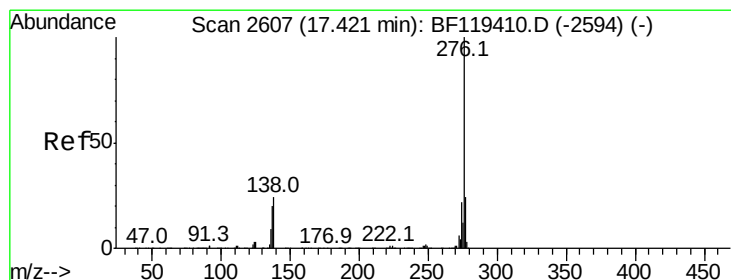
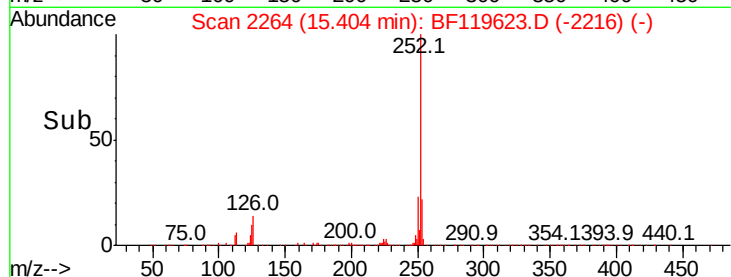
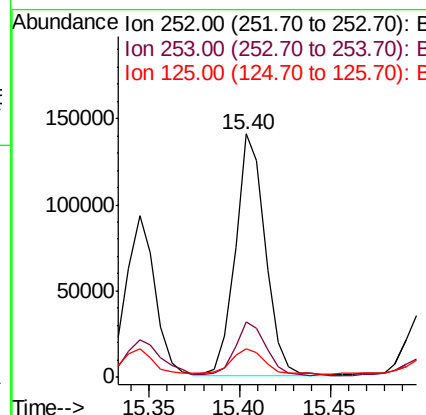
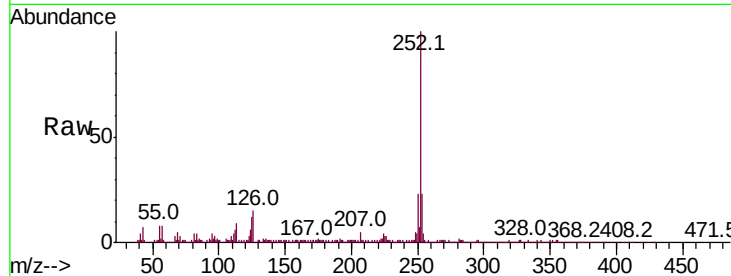
#90
Benzo(a)pyrene
Concen: 4.948 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.02 min
Lab File: BF119623.D
Acq: 28 Mar 2020 18:10

Instrument :
BNA_F
ClientSampleId :
SB-1B-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	11.8	9.4	14.2

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 2.873 ng
RT: 17.36 min Scan# 2597
Delta R.T. -0.04 min
Lab File: BF119623.D
Acq: 28 Mar 2020 18:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.4	27.6
138	24.2	15.4	23.0

