

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033120\
 Data File : BF119658.D
 Acq On : 31 Mar 2020 18:07
 Operator : MA/SJ
 Sample : L2055-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2-(1-3)

Manual Integrations
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mohammad
 4/1/2020 11:55:31 AM

Quant Time: Apr 08 08:44:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 31 14:11:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	333034	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1207793	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	579041	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	915950	20.00	ng	0.00
76) Chrysene-d12	14.01	240	568726	20.00	ng	0.00
87) Perylene-d12	15.48	264	556919	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1817202	86.86	ng	0.01
7) Phenol-d6	6.46	99	2279360	85.29	ng	0.00
23) Nitrobenzene-d5	7.39	82	1399152	62.96	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	471353	78.90	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2209604	56.53	ng	0.00
79) Terphenyl-d14	12.96	244	1745855	60.14	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.59	163	367083	8.925	ng	99
71) Phenanthrene	11.39	178	465581	9.803	ng	97
75) Fluoranthene	12.58	202	582881	11.340	ng	99
78) Pyrene	12.81	202	565387	12.113	ng	98
81) Benzo(a)anthracene	14.00	228	263236	7.118	ng	95
83) Chrysene	14.04	228	250696	6.568	ng	96
88) Benzo(b)fluoranthene	15.05	252	321851m	8.651	ng	
89) Benzo(k)fluoranthene	15.07	252	103270m	2.915	ng	
90) Benzo(a)pyrene	15.42	252	226738	6.706	ng	97
92) Benzo(g,h,i)perylene	17.38	276	119985	4.039	ng	93

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

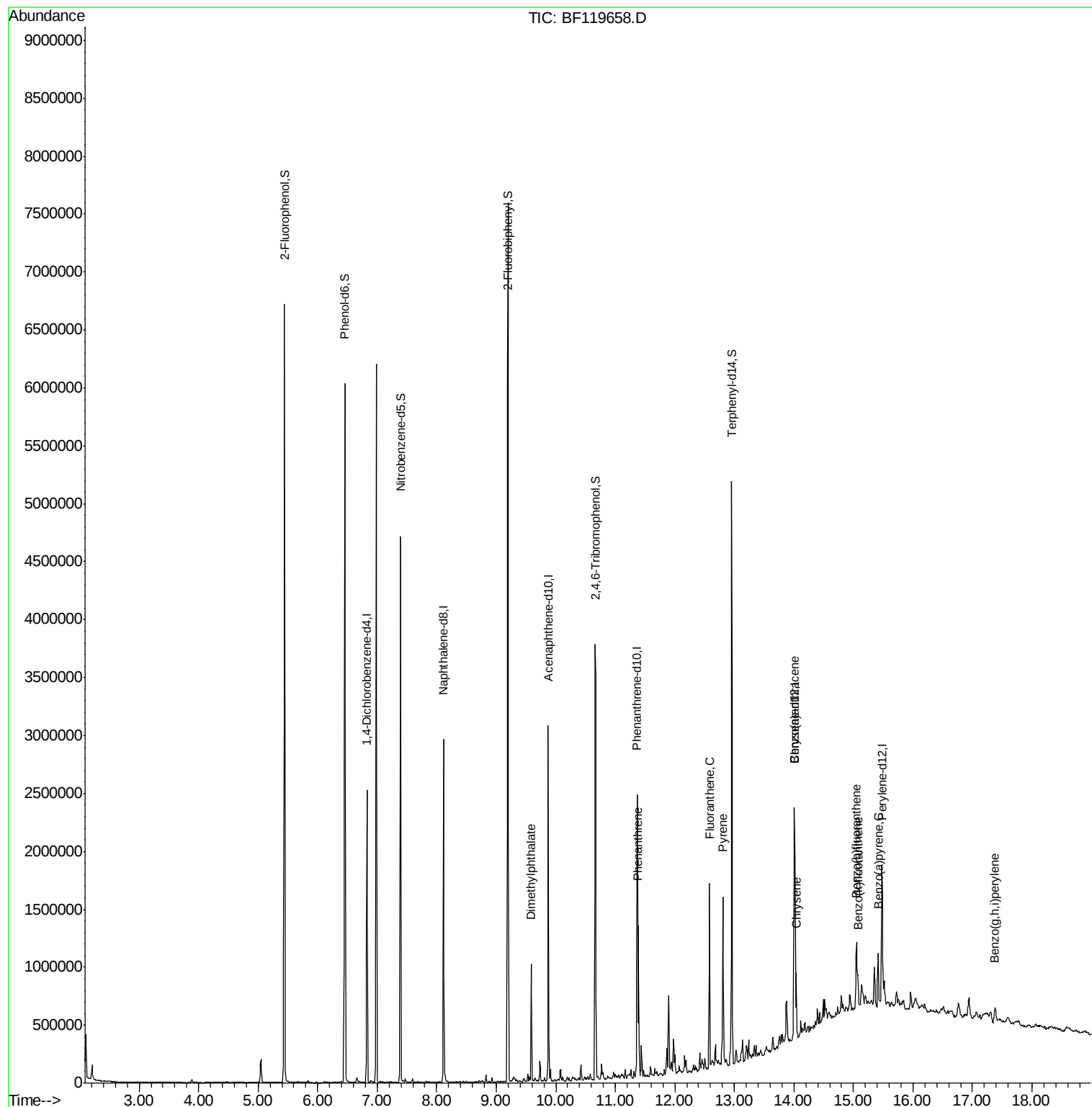
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033120\
Data File : BF119658.D
Acq On : 31 Mar 2020 18:07
Operator : MA/SJ
Sample : L2055-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

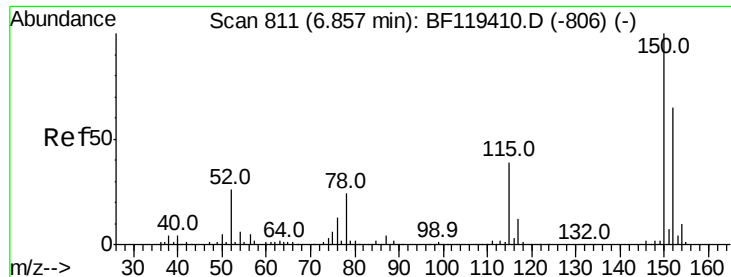
Instrument :
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ClientSampleId :
SB-2-(1-3)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
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#1

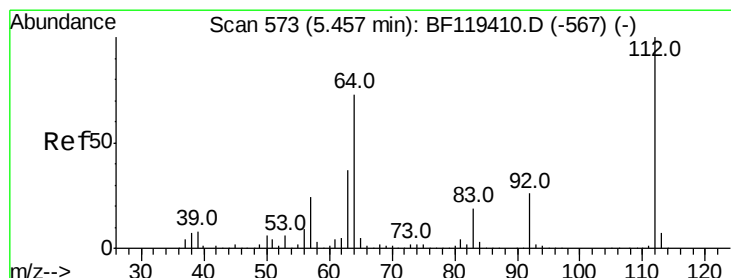
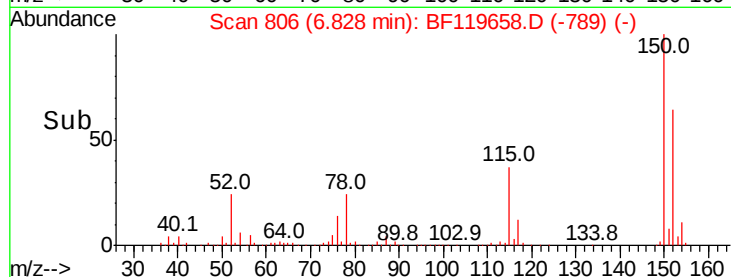
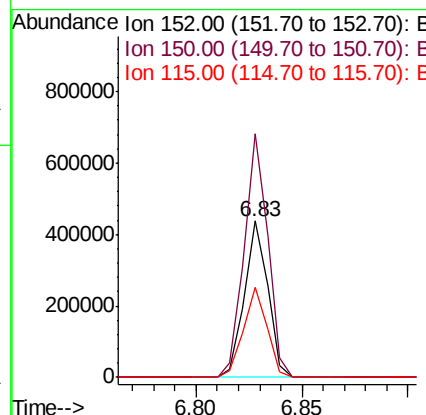
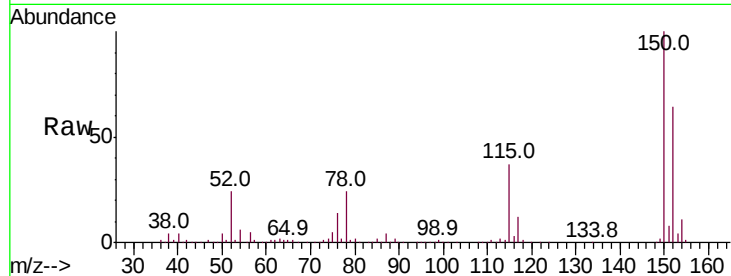
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF119658.D
Acq: 31 Mar 2020 18:07

Instrument :
BNA_F
ClientSampleId :
SB-2-(1-3)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	124.5	186.7
115	57.9	49.6	74.4

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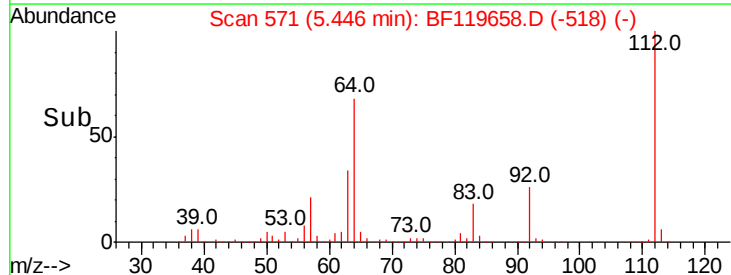
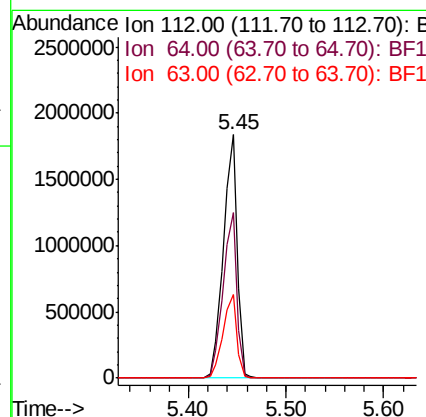
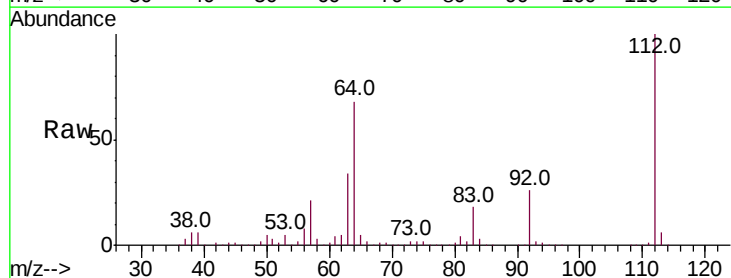
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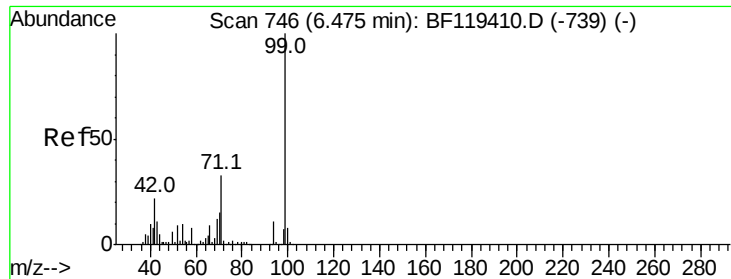


#5

2-Fluorophenol
Concen: 86.862 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF119658.D
Acq: 31 Mar 2020 18:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.0	56.7	85.1
63	34.3	29.5	44.3





#7

Phenol-d6

Concen: 85.291 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF119658.D

Acq: 31 Mar 2020 18:07

Instrument :

BNA_F

ClientSampleId :

SB-2-(1-3)

Tot Ion: 99 Resp: 2279360

Ion Ratio Lower Upper

99 100

42 19.8 16.6 24.8

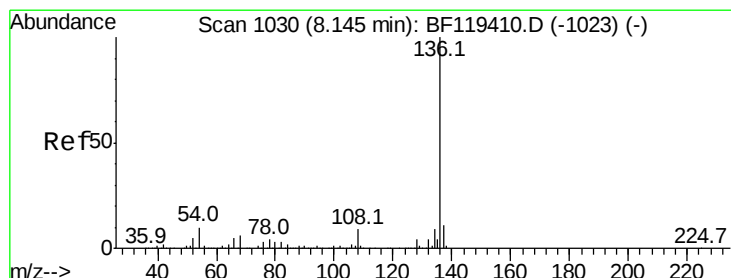
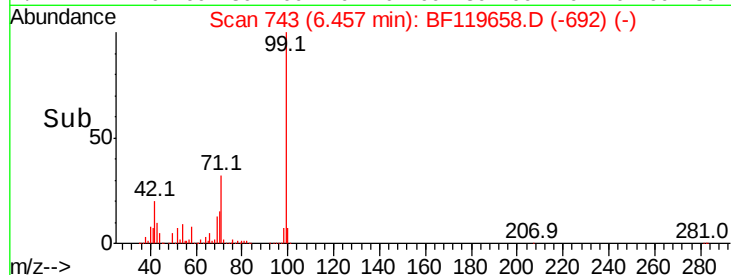
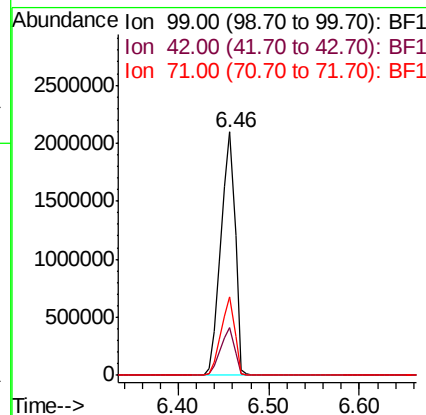
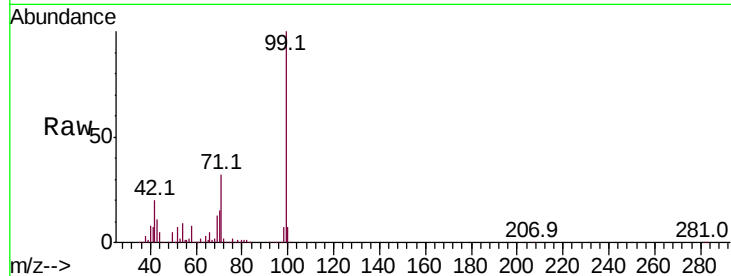
71 32.4 26.4 39.6

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BF119658.D

Acq: 31 Mar 2020 18:07

Tgt Ion: 136 Resp: 1207793

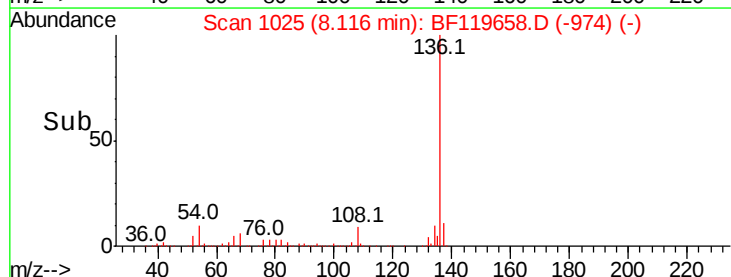
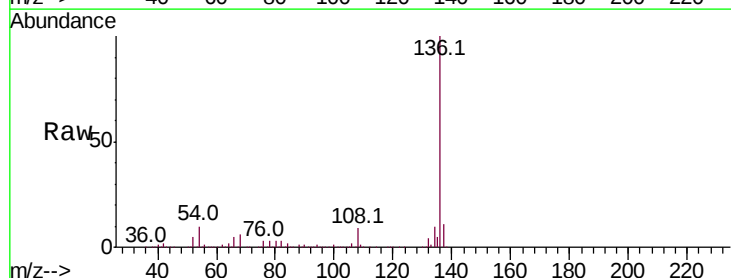
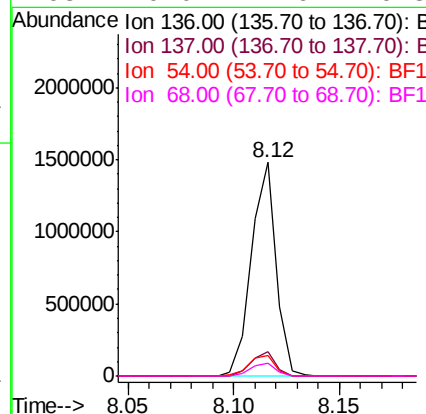
Ion Ratio Lower Upper

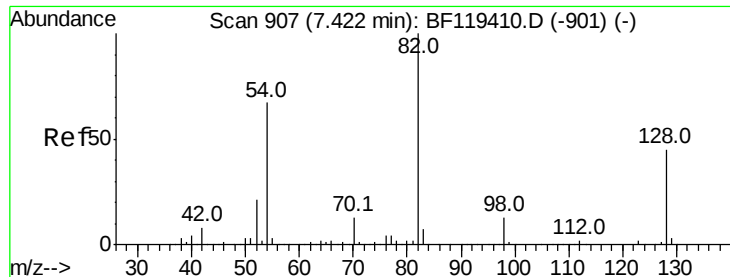
136 100

137 11.4 8.7 13.1

54 9.8 9.1 13.7

68 6.0 4.6 6.8





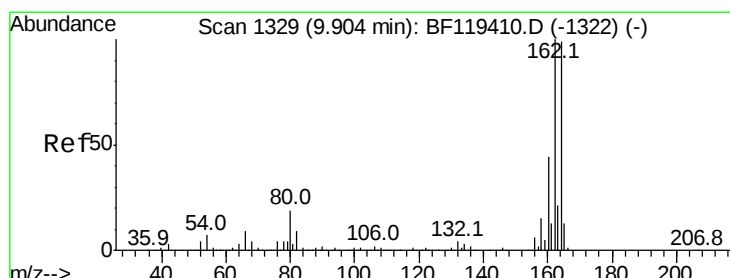
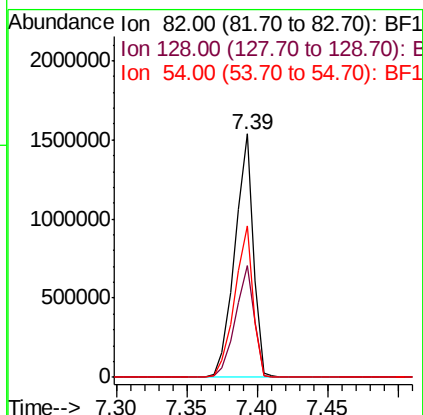
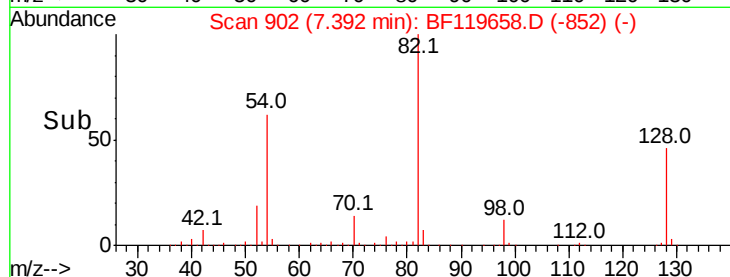
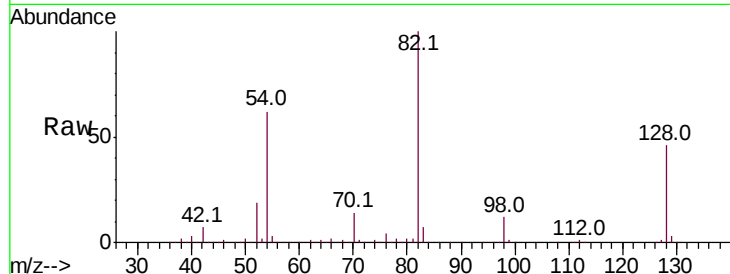
#23
Nitrobenzene-d5
Concen: 62.959 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF119658.D
Acq: 31 Mar 2020 18:07

Instrument :
BNA_F
ClientSampleId :
SB-2-(1-3)

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.3	54.5
54	62.4	50.6	75.8

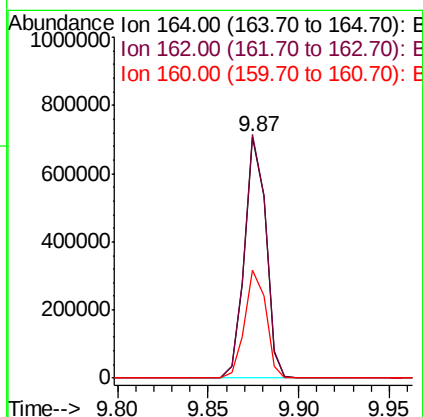
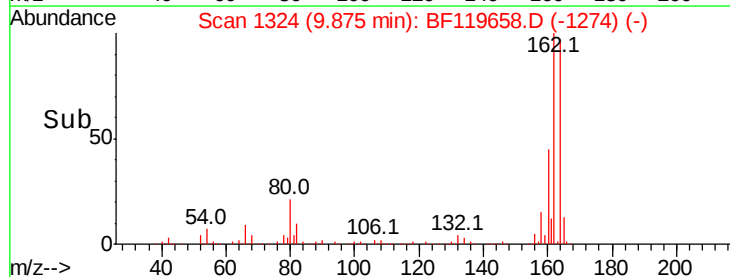
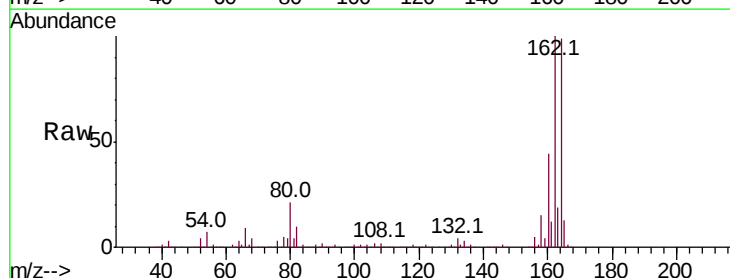
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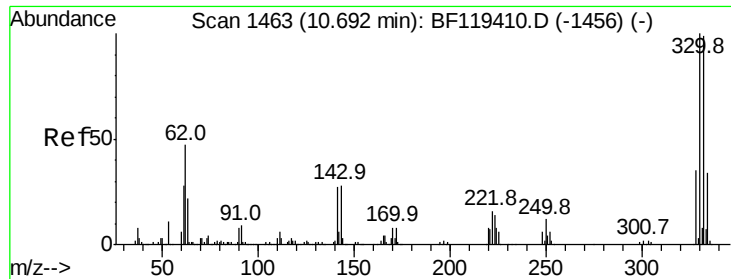
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF119658.D
Acq: 31 Mar 2020 18:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.6	121.0
160	44.9	35.7	53.5





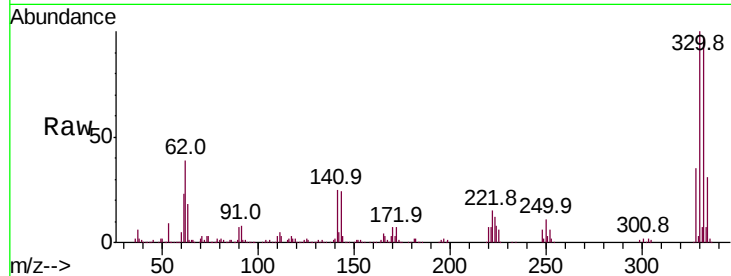
#42
 2,4,6-Tribromophenol
 Concen: 78.904 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF119658.D
 Acq: 31 Mar 2020 18:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-2-(1-3)

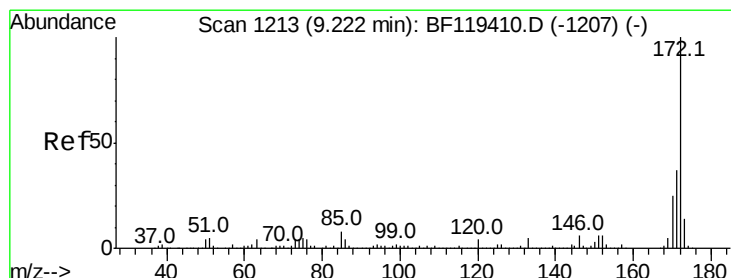
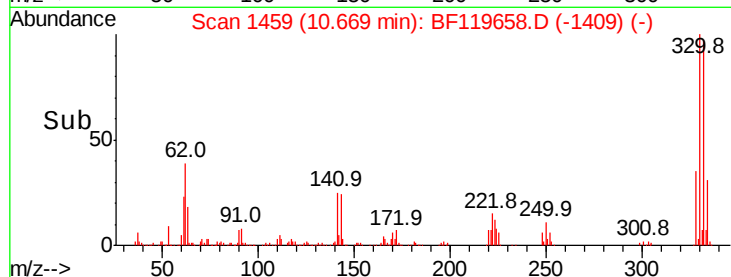
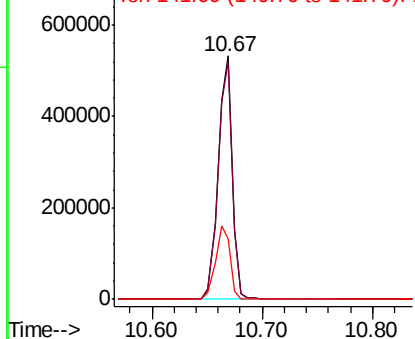
Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	75.7	113.5
141	30.7	25.4	38.0

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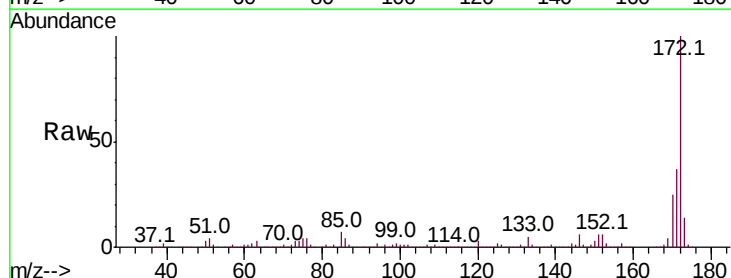


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

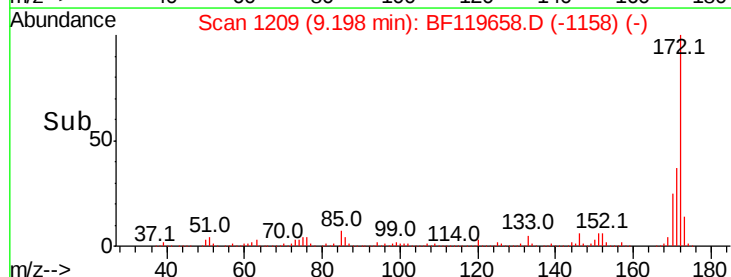
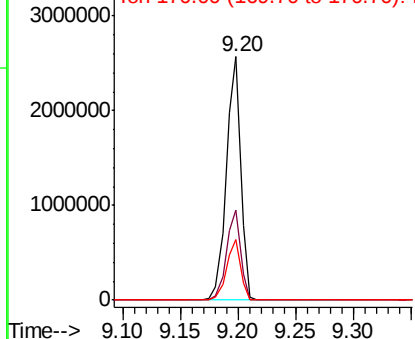


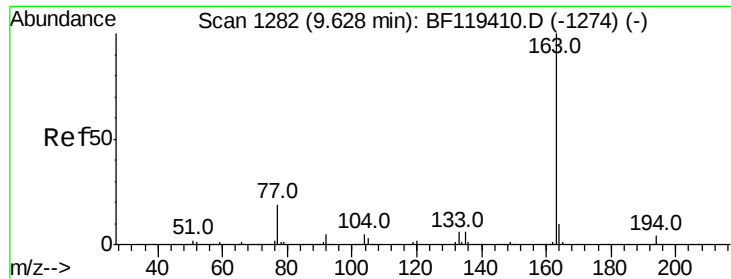
#45
 2-Fluorobiphenyl
 Concen: 56.533 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. 0.00 min
 Lab File: BF119658.D
 Acq: 31 Mar 2020 18:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.6	44.4
170	24.8	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





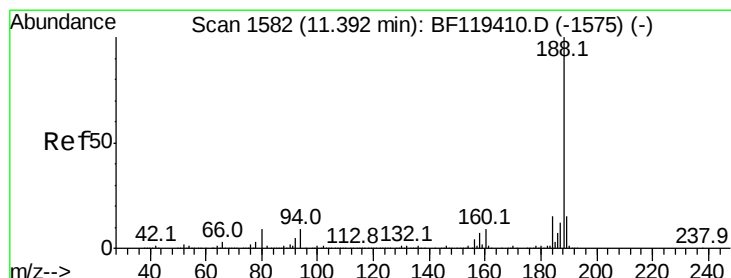
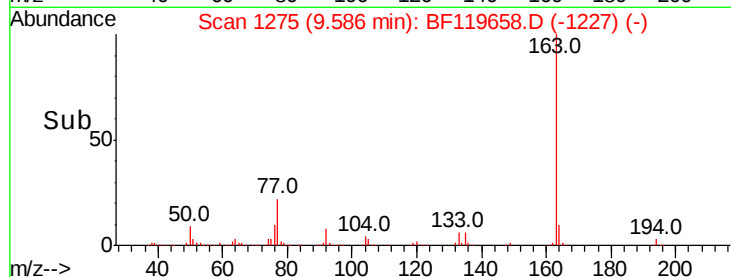
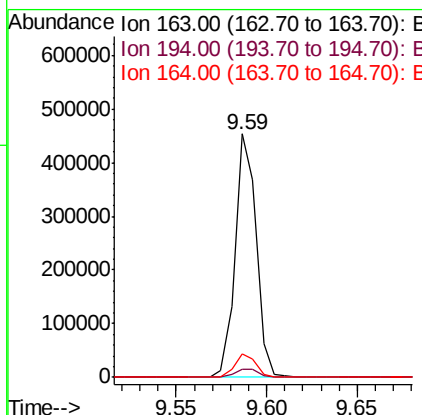
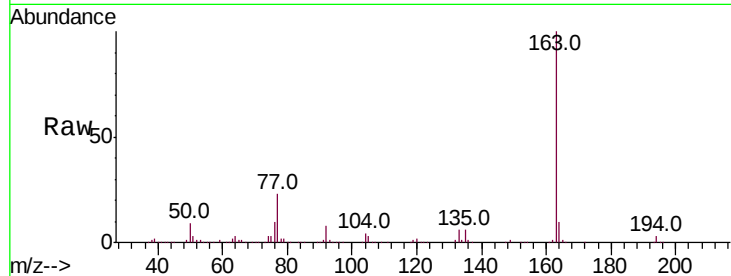
#50
Dimethylphthalate
Concen: 8.925 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF119658.D
Acq: 31 Mar 2020 18:07

Instrument :
BNA_F
ClientSampleId :
SB-2-(1-3)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	367083		
194	3.5		3.1	4.7
164	9.9		8.2	12.2

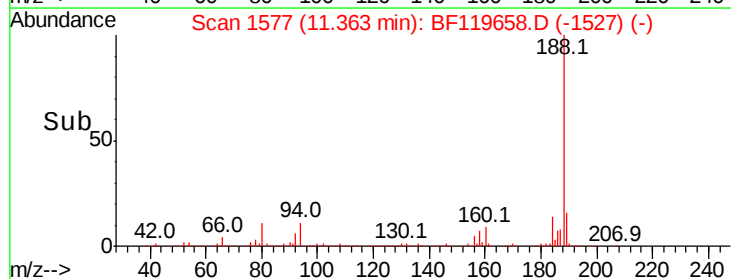
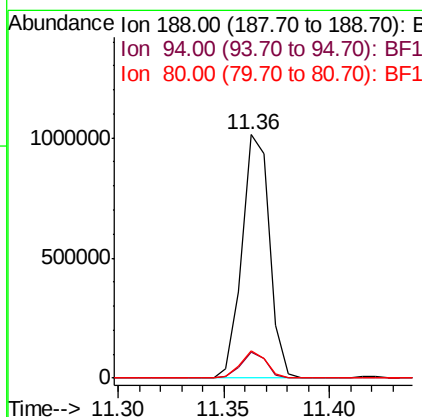
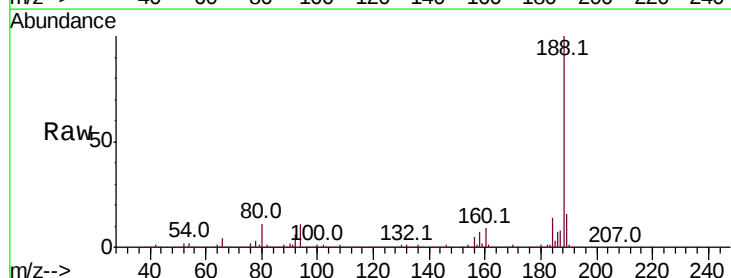
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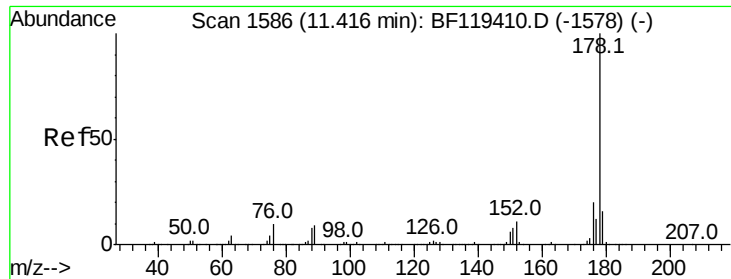
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF119658.D
Acq: 31 Mar 2020 18:07

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	915950		
94	10.7		7.5	11.3
80	11.3		9.0	13.4





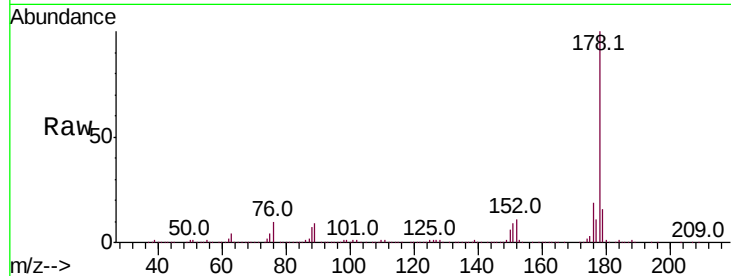
#71
Phenanthrene
Concen: 9.803 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF119658.D
Acq: 31 Mar 2020 18:07

Instrument :
BNA_F
ClientSampleId :
SB-2-(1-3)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.2	24.4
179	15.5	13.2	19.8

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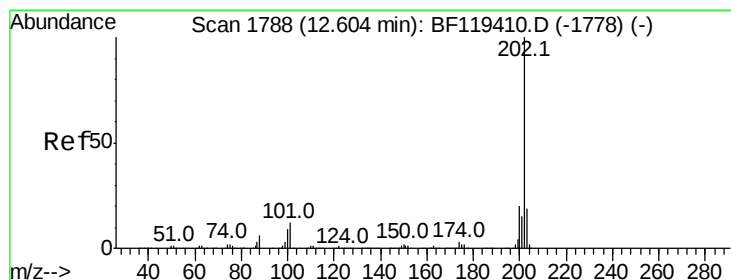
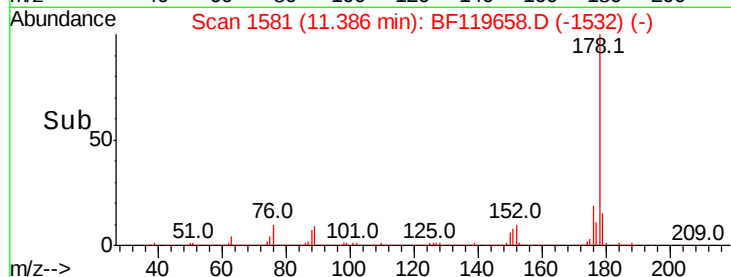
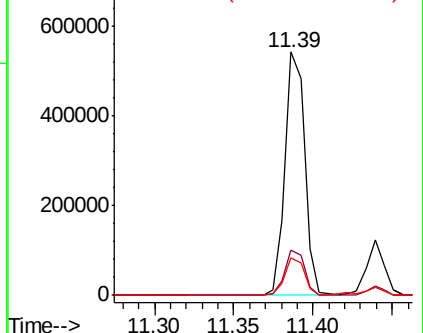


Abundance

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: 11.340 ng
RT: 12.58 min Scan# 1784
Delta R.T. -0.01 min
Lab File: BF119658.D
Acq: 31 Mar 2020 18:07

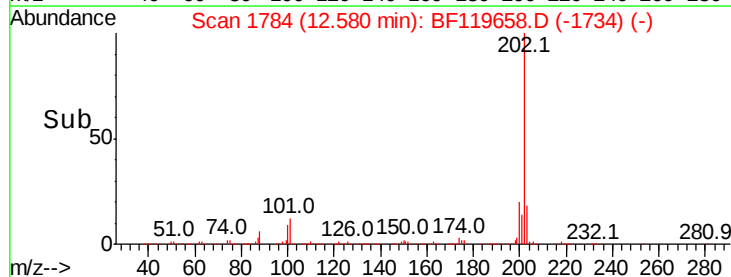
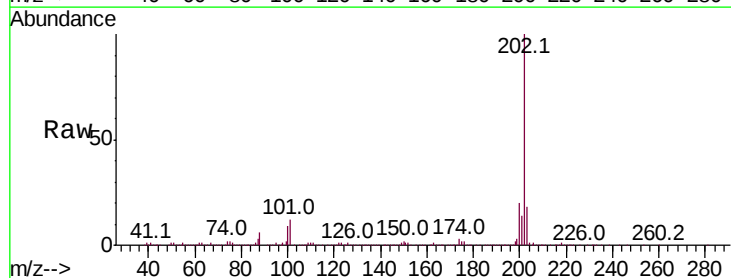
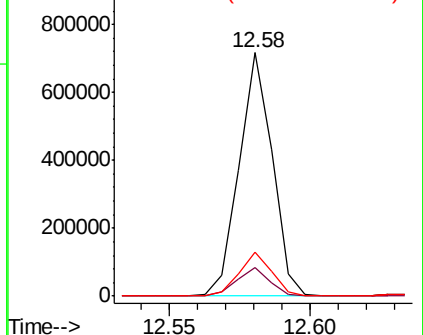
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	32.2
203	18.0	0.0	38.8

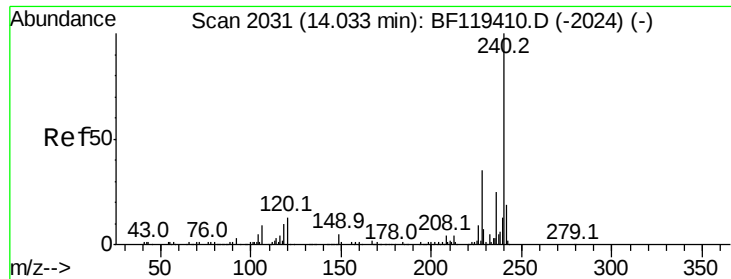
Abundance

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: BF119658.D

Acq: 31 Mar 2020 18:07

Instrument :

BNA_F

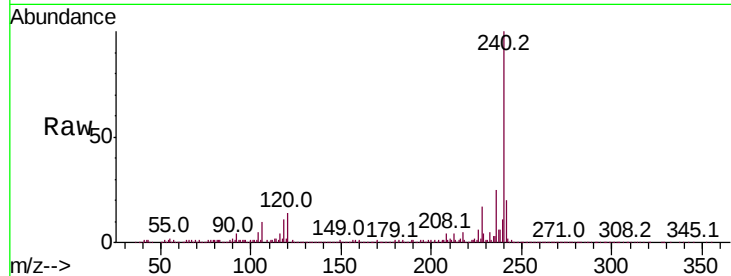
ClientSampleId :

SB-2-(1-3)

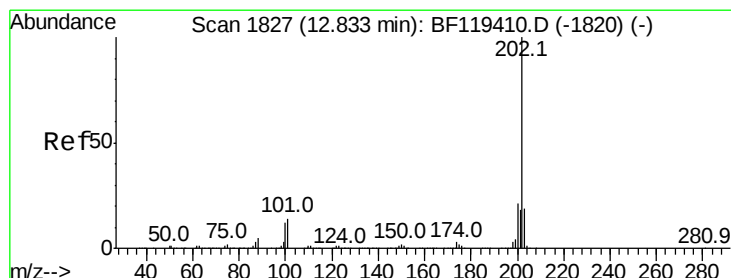
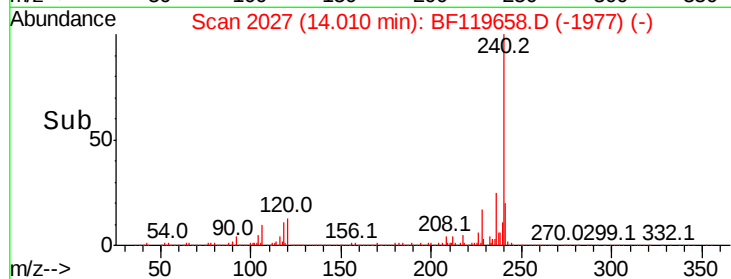
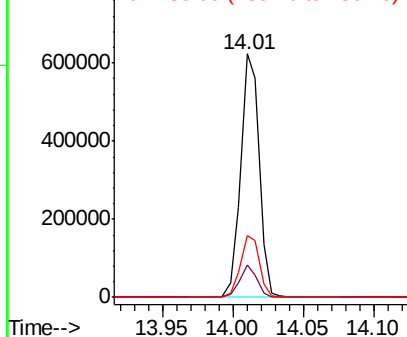
Tot Ion:	240	Resp:	568726
Ion Ratio	Lower	Upper	
240	100		
120	13.6	10.6	15.8
236	25.4	20.2	30.2

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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

Pyrene

Concen: 12.113 ng

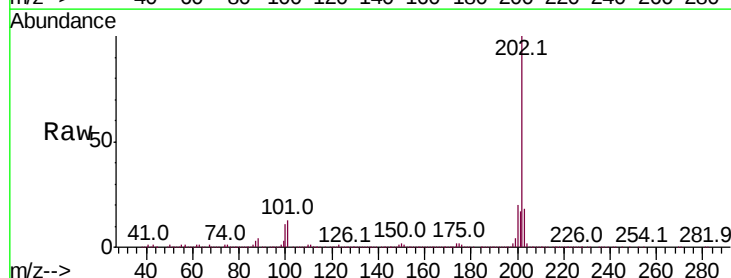
RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

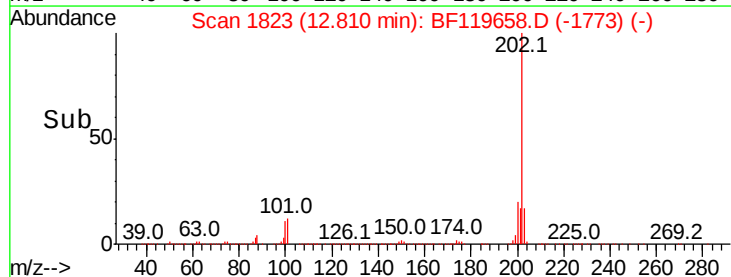
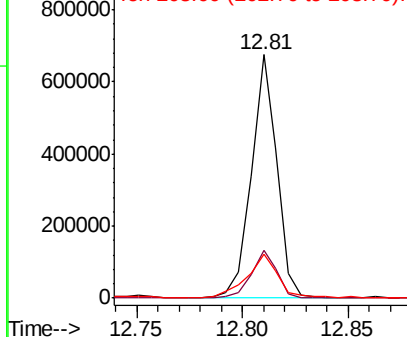
Lab File: BF119658.D

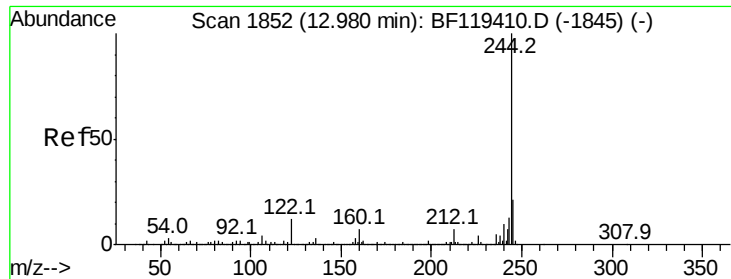
Acq: 31 Mar 2020 18:07

Tgt Ion:	202	Resp:	565387
Ion Ratio	Lower	Upper	
202	100		
200	19.7	16.8	25.2
203	17.9	15.1	22.7



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





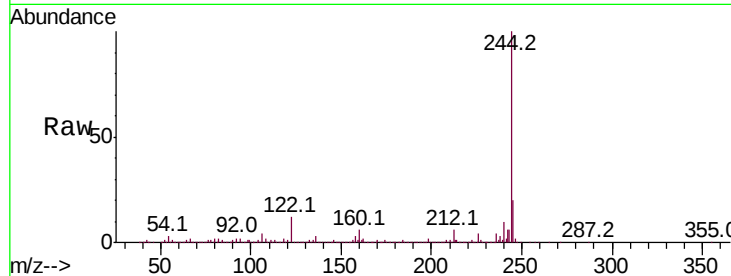
#79
 Terphenyl-d14
 Concen: 60.143 ng
 RT: 12.96 min Scan# 1848
 Delta R.T. -0.01 min
 Lab File: BF119658.D
 Acq: 31 Mar 2020 18:07

Instrument :
 BNA_F
 ClientSampled :
 SB-2-(1-3)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.8	8.8
122	12.1	10.3	15.5

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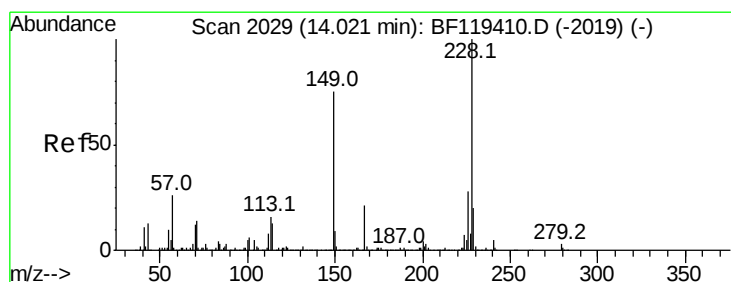
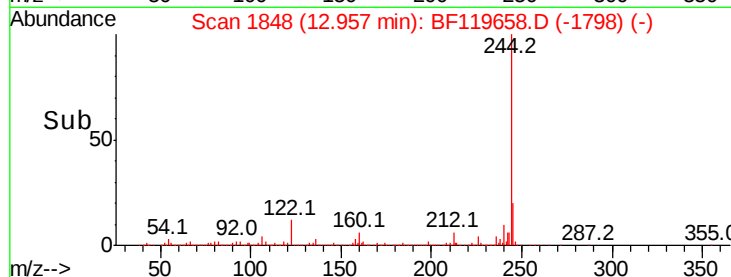
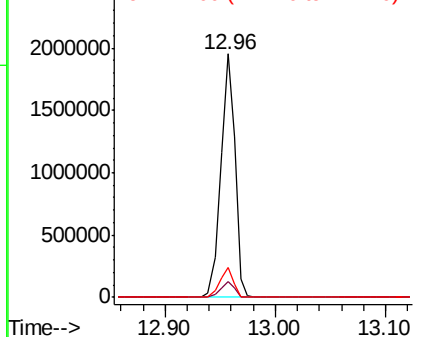


Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81
 Benzo(a)anthracene
 Concen: 7.118 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF119658.D
 Acq: 31 Mar 2020 18:07

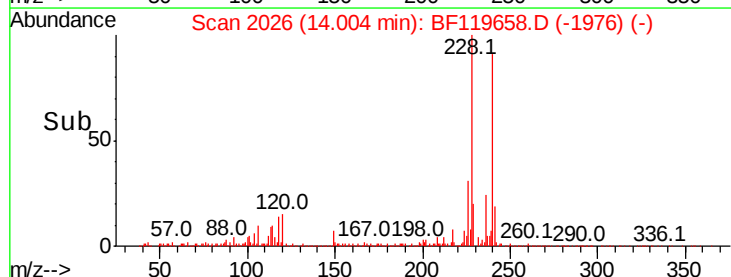
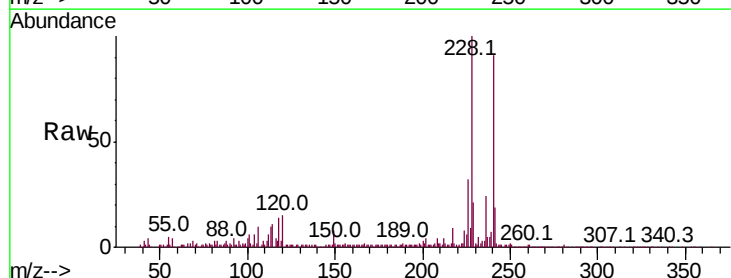
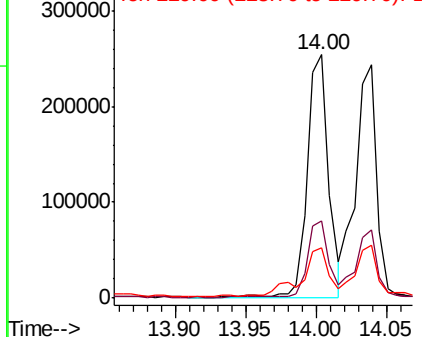
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	21.8	32.8
229	20.8	16.2	24.4

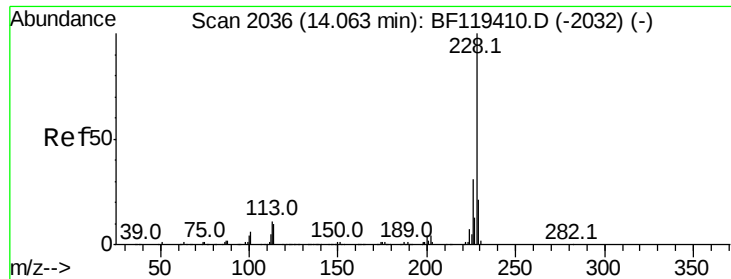
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





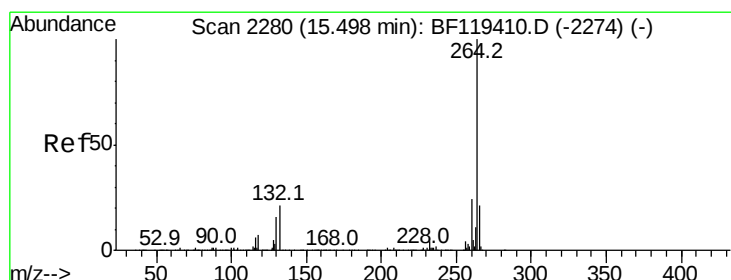
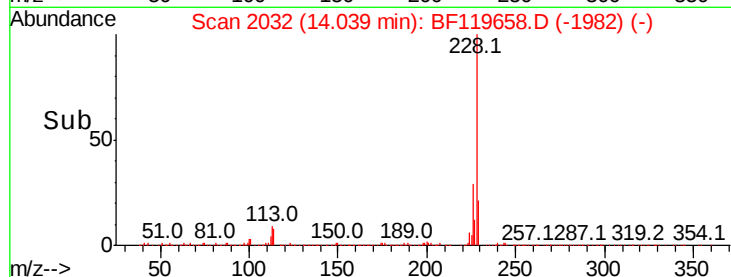
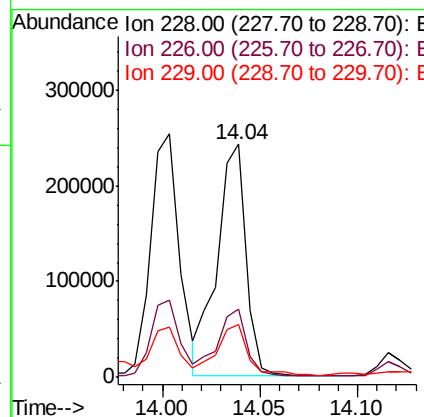
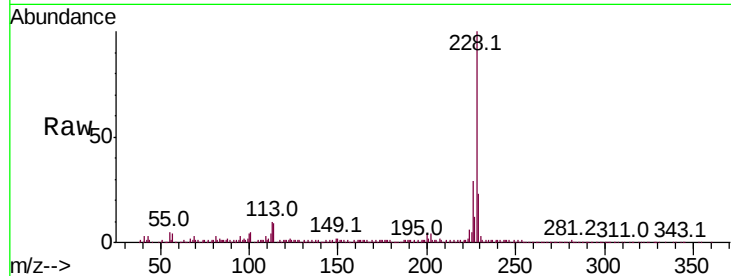
#83
Chrysene
Concen: 6.568 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF119658.D
Acq: 31 Mar 2020 18:07

Instrument :
BNA_F
ClientSampleId :
SB-2-(1-3)

Tot Ion:	228	Resp:	250696
Ion Ratio	Lower	Upper	
228	100		
226	29.3	25.4	38.0
229	22.5	16.6	24.8

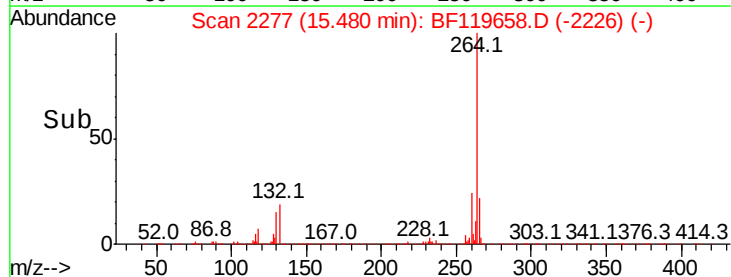
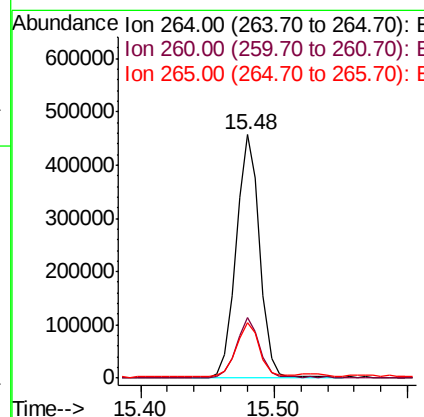
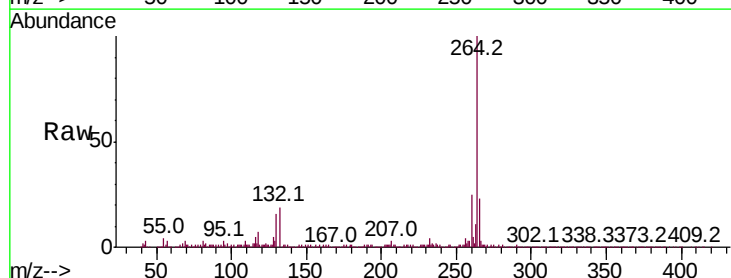
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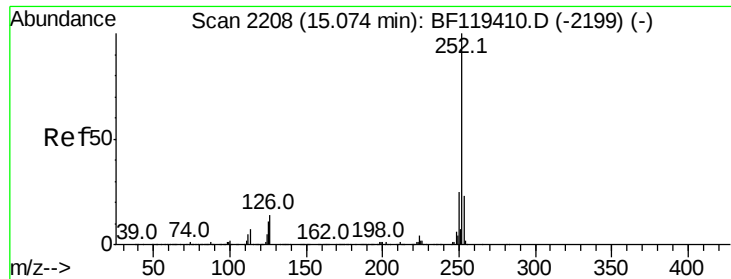
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BF119658.D
Acq: 31 Mar 2020 18:07

Tgt Ion:	264	Resp:	556919
Ion Ratio	Lower	Upper	
264	100		
260	24.9	18.7	28.1
265	22.8	17.7	26.5





#88

Benzo(b)fluoranthene

Concen: 8.651 ng m

RT: 15.05 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BF119658.D

Acq: 31 Mar 2020 18:07

Instrument :

BNA_F

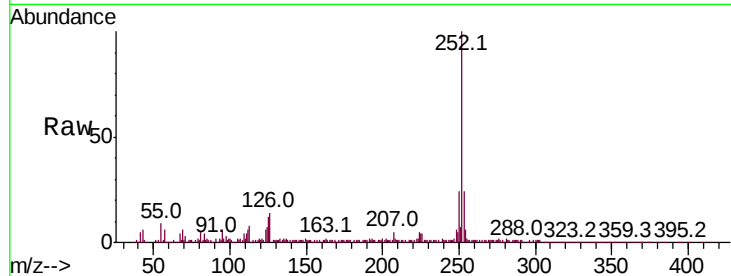
ClientSampleId :

SB-2-(1-3)

Tot Ion:	252	Resp:	321851
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.4	26.0
125	12.0	7.9	11.9#

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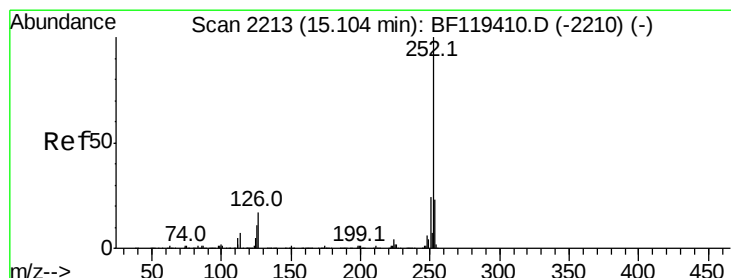
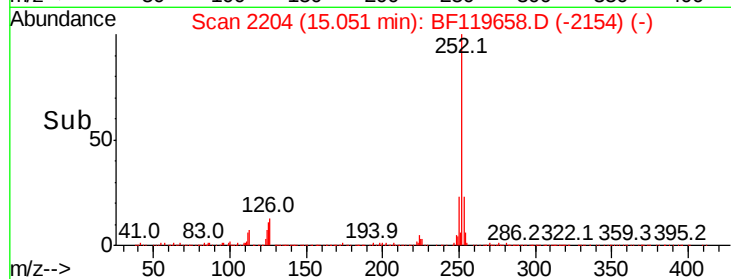
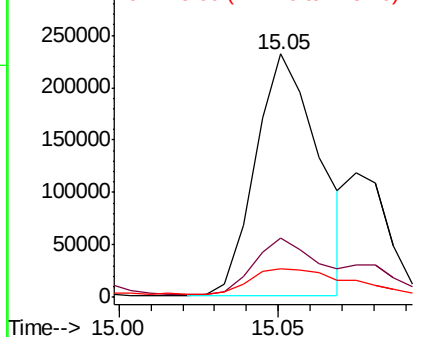


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 2.915 ng m

RT: 15.07 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BF119658.D

Acq: 31 Mar 2020 18:07

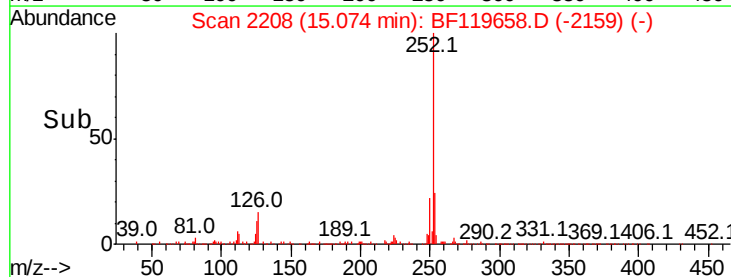
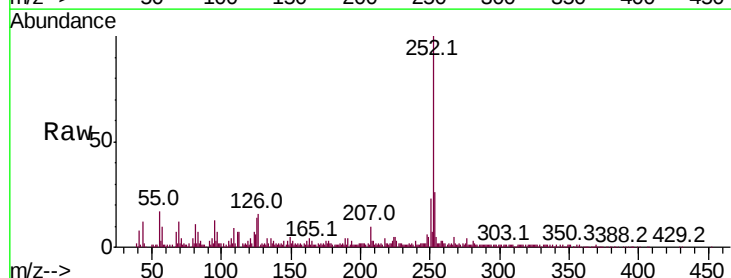
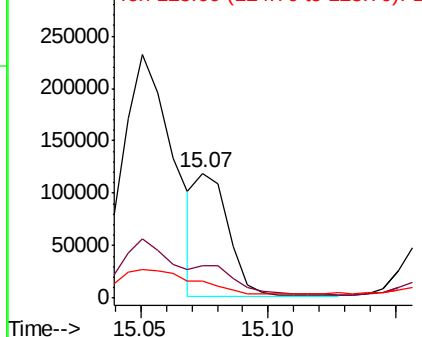
Tgt Ion:	252	Resp:	103270
Ion Ratio	Lower	Upper	
252	100		
253	25.8	17.8	26.6
125	13.8	8.4	12.6#

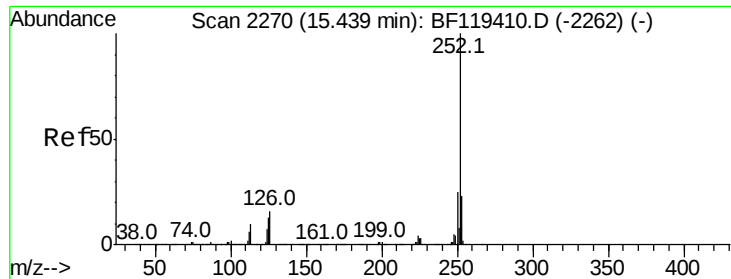
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





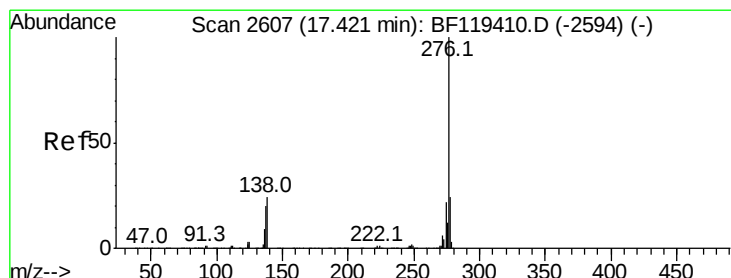
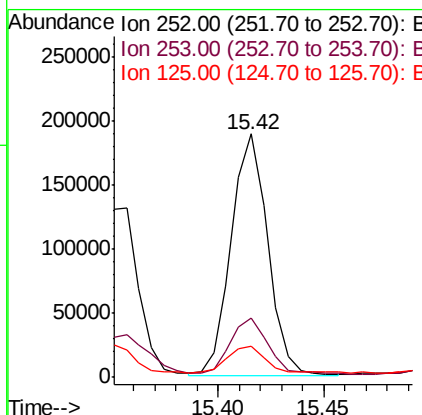
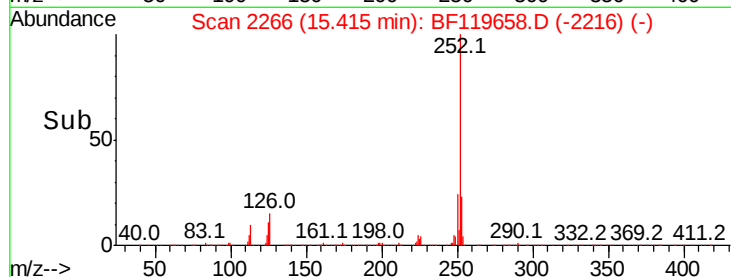
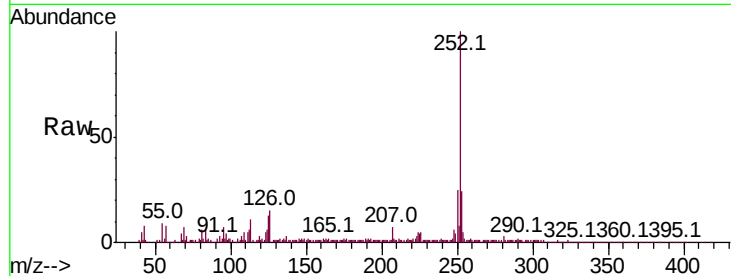
#90
Benzo(a)pyrene
Concen: 6.706 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF119658.D
Acq: 31 Mar 2020 18:07

Instrument :
BNA_F
ClientSampleId :
SB-2-(1-3)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.2
125	13.0	9.4	14.2

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#92
Benzo(g,h,i)perylene
Concen: 4.039 ng
RT: 17.38 min Scan# 2600
Delta R.T. -0.01 min
Lab File: BF119658.D
Acq: 31 Mar 2020 18:07

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.6	18.4	27.6
138	22.2	15.4	23.0

