

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033120\
 Data File : BF119663.D
 Acq On : 31 Mar 2020 20:22
 Operator : MA/SJ
 Sample : L2055-08
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-7-(1-3)

Manual Integrations
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 4/1/2020 11:55:51 AM

Quant Time: Apr 01 00:56:41 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	278622	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	977330	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	427488	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	642195	20.00	ng	0.00
76) Chrysene-d12	14.02	240	508427	20.00	ng	0.00
87) Perylene-d12	15.49	264	405917	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1566077	89.48	ng	0.01
7) Phenol-d6	6.46	99	1955313	87.45	ng	0.00
23) Nitrobenzene-d5	7.39	82	1135181	63.13	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	339158	76.90	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1906753	66.08	ng	0.00
79) Terphenyl-d14	12.96	244	1578925	60.84	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.59	163	199067	6.556	ng	99
71) Phenanthrene	11.39	178	174499	5.240	ng	97
72) Anthracene	11.45	178	136663	4.038	ng	97
75) Fluoranthene	12.59	202	657899	18.256	ng	97
78) Pyrene	12.82	202	559897	13.418	ng	97
81) Benzo(a)anthracene	14.00	228	328762m	9.944	ng	
83) Chrysene	14.04	228	313039	9.174	ng	96
86) Indeno(1,2,3-cd)pyrene	16.95	276	113375	3.528	ng	98
88) Benzo(b)fluoranthene	15.06	252	316538m	11.674	ng	
89) Benzo(k)fluoranthene	15.08	252	104125m	4.033	ng	
90) Benzo(a)pyrene	15.42	252	204039	8.280	ng	97
92) Benzo(a,h,i)perylene	17.39	276	103994	4.803	ng	# 90

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

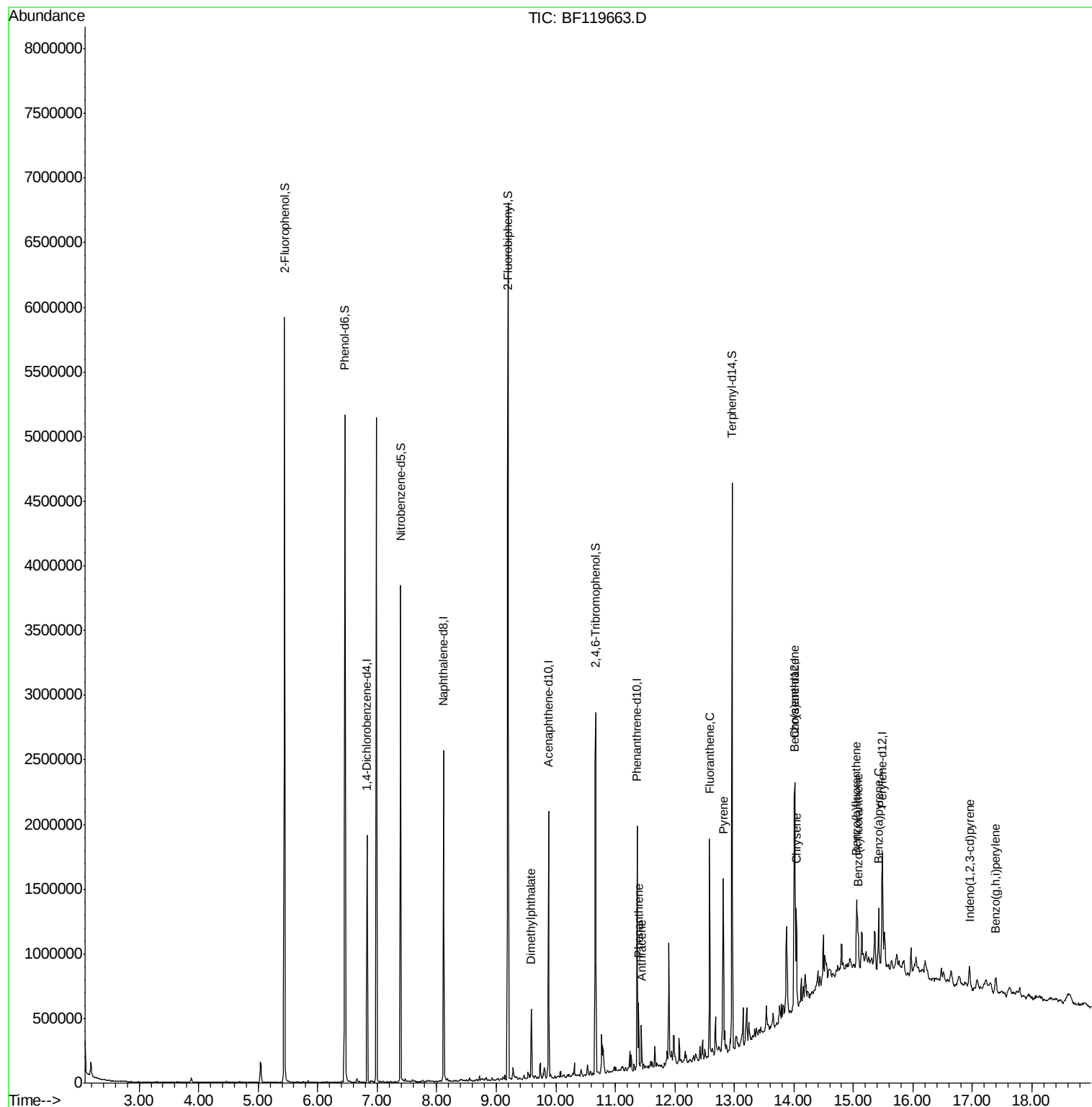
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033120\
Data File : BF119663.D
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#1

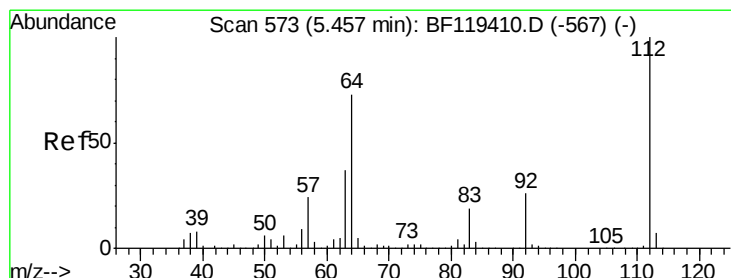
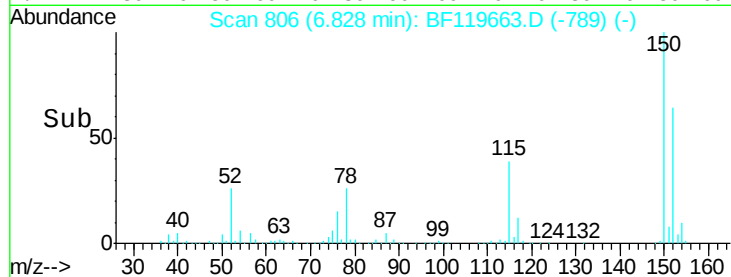
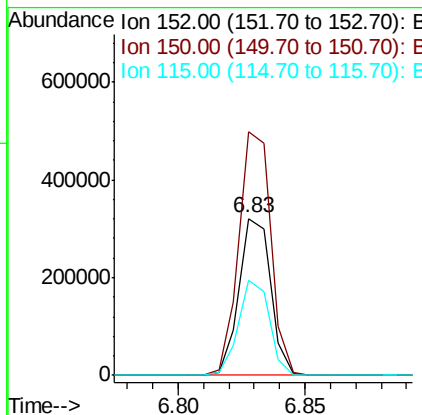
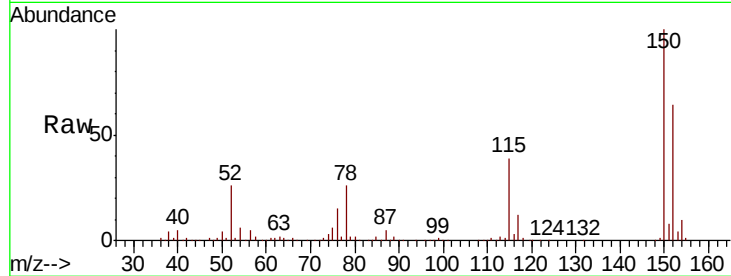
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.00 min
Lab File: BF119663.D
Acq: 31 Mar 2020 20:22

Instrument :
BNA_F
ClientSampleId :
SB-7-(1-3)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.5	186.7
115	60.7	49.6	74.4

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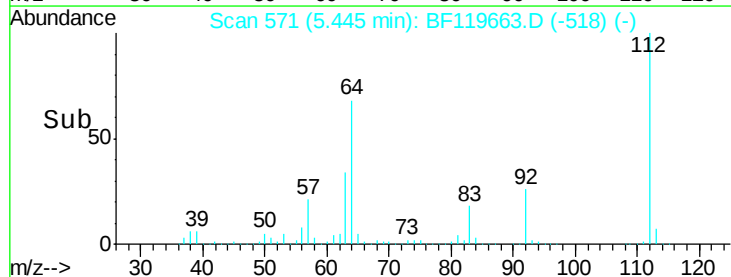
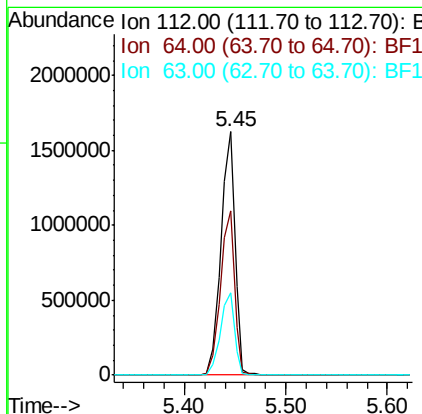
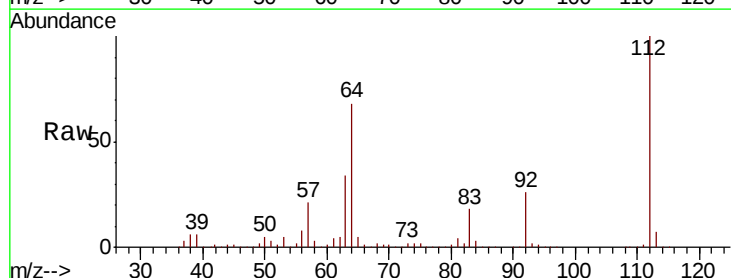
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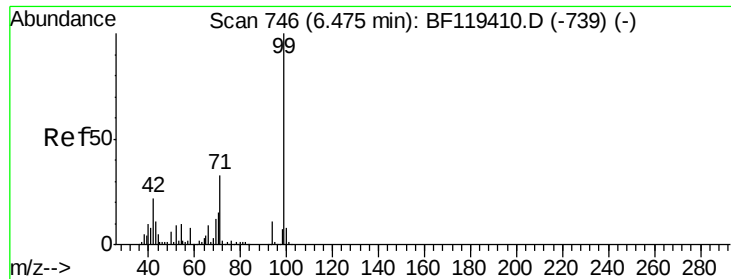


#5

2-Fluorophenol
Concen: 89.478 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF119663.D
Acq: 31 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.5	56.7	85.1
63	34.0	29.5	44.3





#7

Phenol-d6

Concen: 87.454 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF119663.D

Acq: 31 Mar 2020 20:22

Instrument :

BNA_F

ClientSampleId :

SB-7-(1-3)

Tot Ion: 99 Resp: 1955313

Ion Ratio Lower Upper

99 100

42 19.8 16.6 24.8

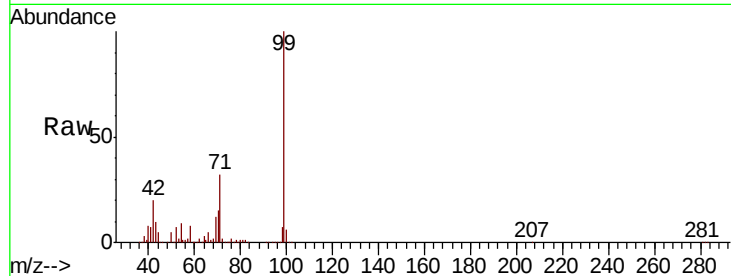
71 32.1 26.4 39.6

Manual Integrations

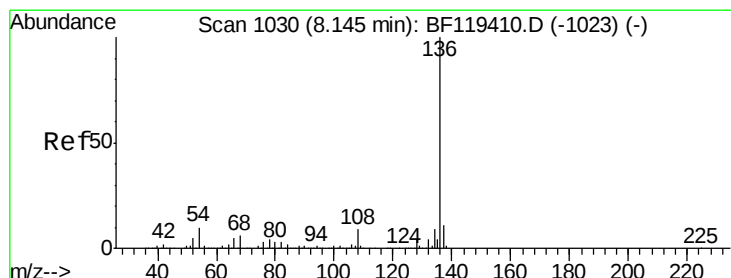
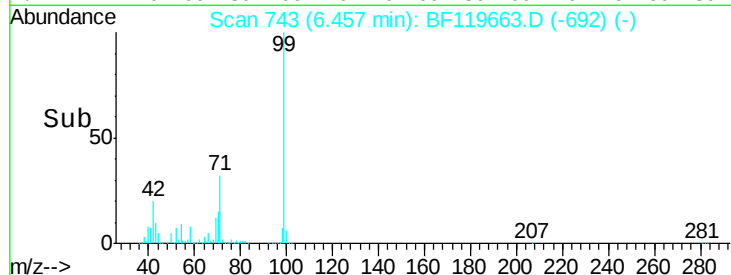
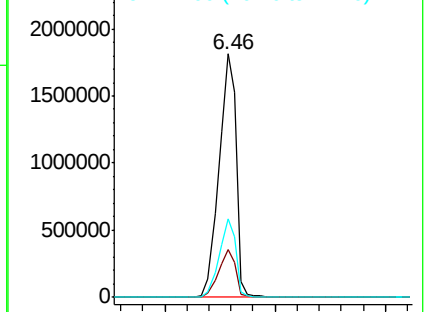
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BF119663.D

Acq: 31 Mar 2020 20:22

Tgt Ion: 136 Resp: 977330

Ion Ratio Lower Upper

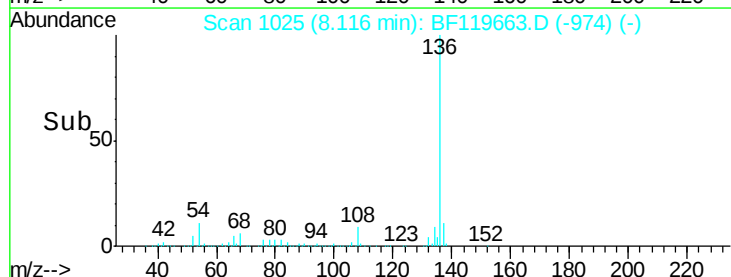
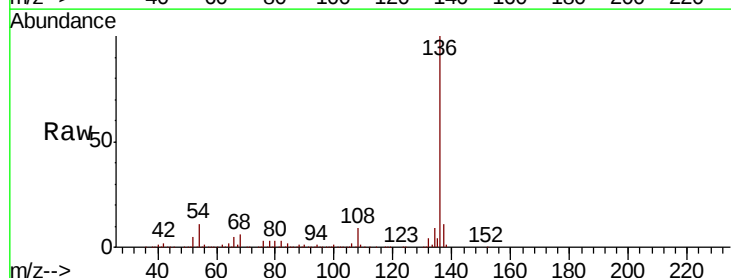
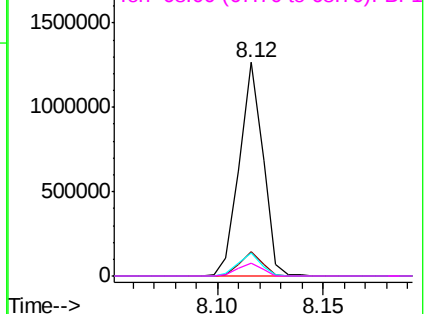
136 100

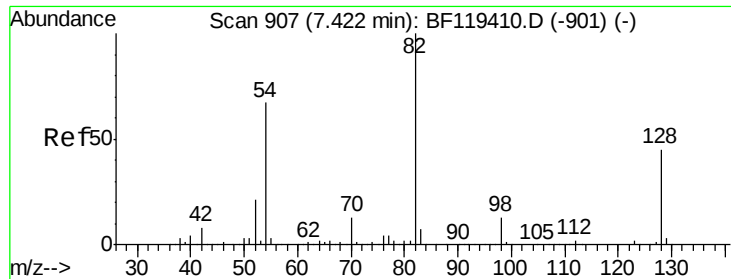
137 11.3 8.7 13.1

54 11.0 9.1 13.7

68 6.2 4.6 6.8

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





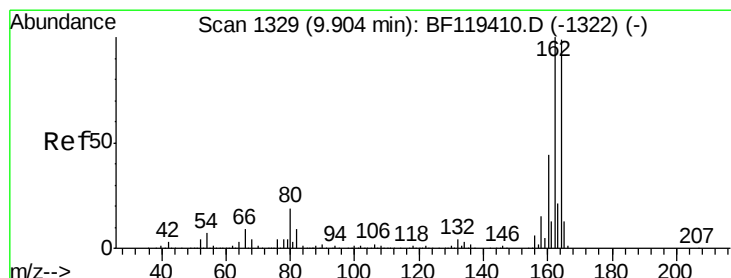
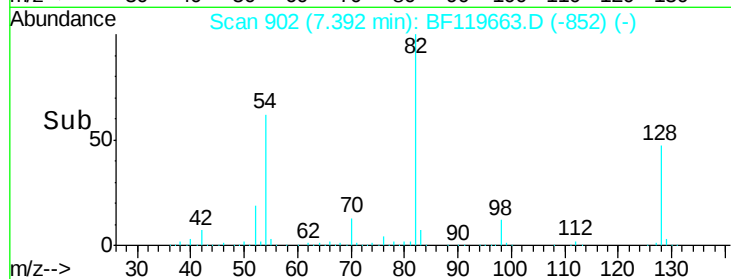
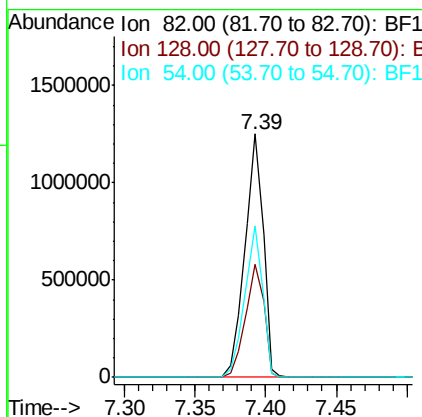
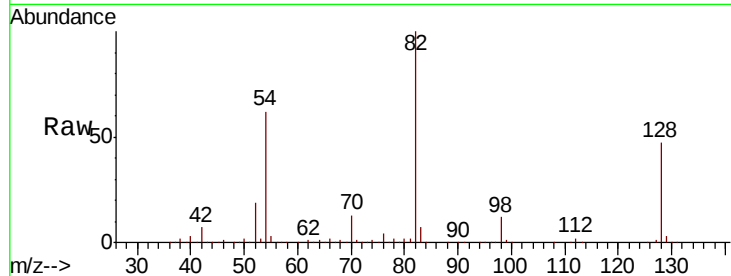
#23
Nitrobenzene-d5
Concen: 63.126 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF119663.D
Acq: 31 Mar 2020 20:22

Instrument :
BNA_F
ClientSampleId :
SB-7-(1-3)

Tot Ion	82	Resp	1135181
Ion Ratio	100	Lower	Upper
82	100		
128	46.6	36.3	54.5
54	62.1	50.6	75.8

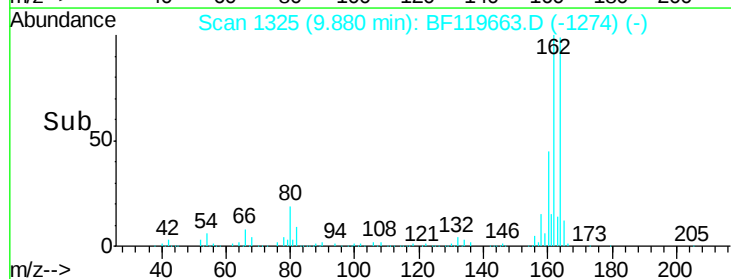
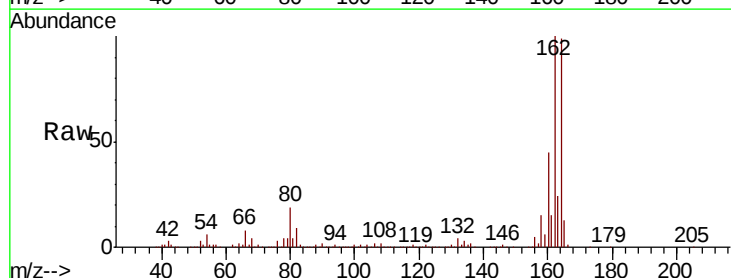
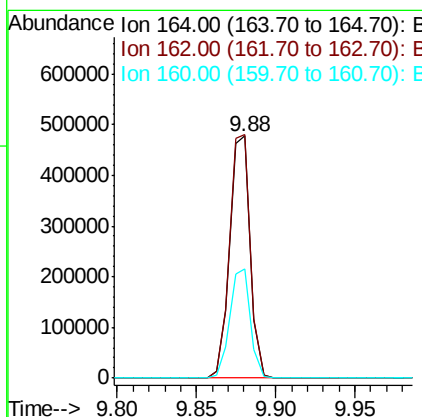
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BF119663.D
Acq: 31 Mar 2020 20:22

Tgt Ion	164	Resp	427488
Ion Ratio	100	Lower	Upper
164	100		
162	100.6	80.6	121.0
160	45.0	35.7	53.5





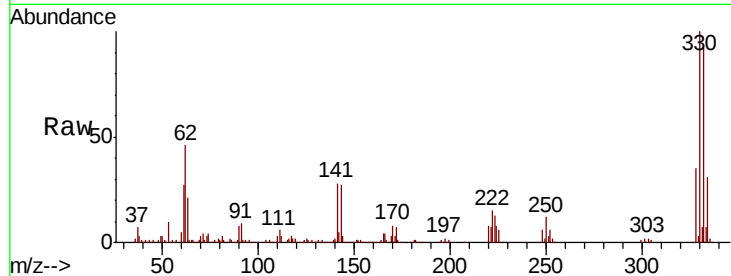
#42
 2,4,6-Tribromophenol
 Concen: 76.902 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF119663.D
 Acq: 31 Mar 2020 20:22

Instrument :
 BNA_F
 ClientSampled :
 SB-7-(1-3)

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.7	75.7	113.5	
141	30.3	25.4	38.0	

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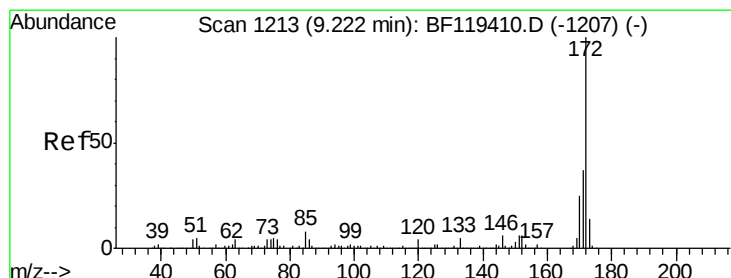
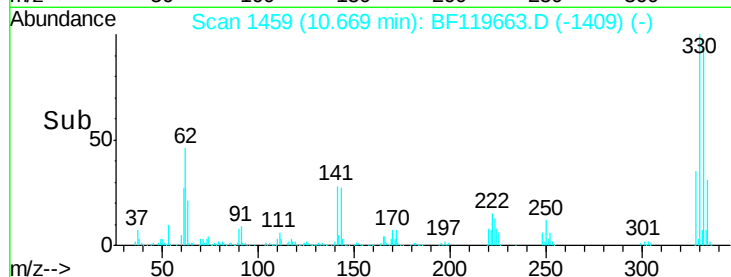
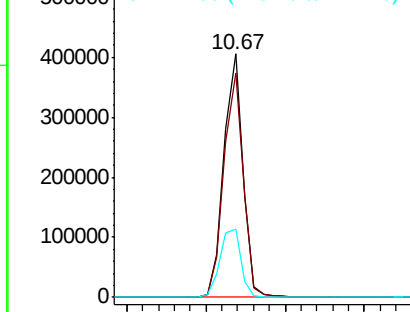


Abundance

Ion 329.80 (329.50 to 330.50): E

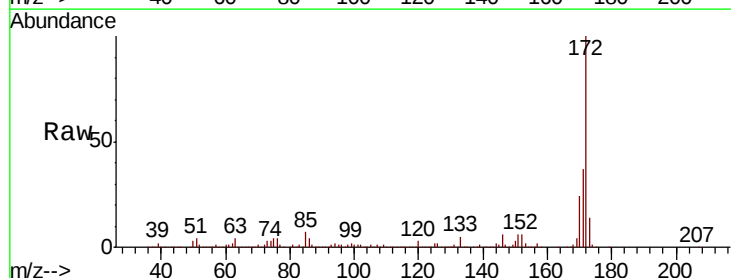
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 66.079 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: BF119663.D
 Acq: 31 Mar 2020 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.7	29.6	44.4	
170	24.4	20.2	30.2	

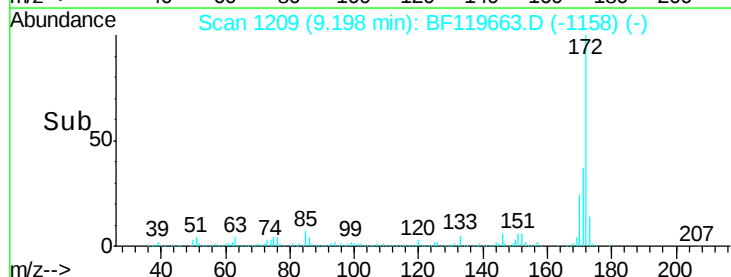
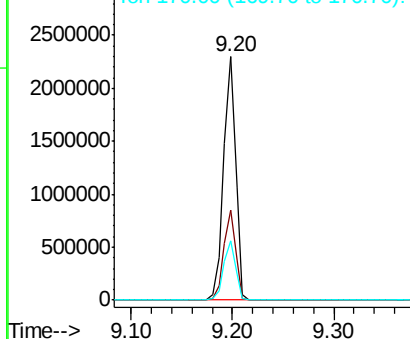


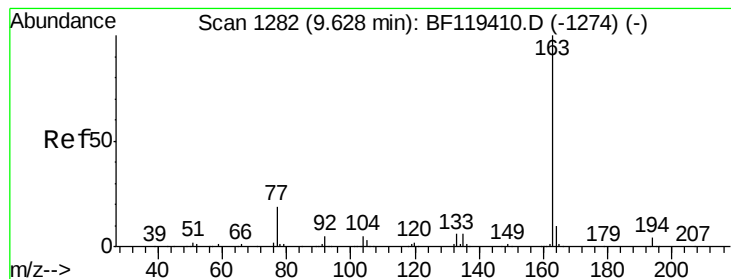
Abundance

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: 6.556 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF119663.D

Acq: 31 Mar 2020 20:22

Instrument :

BNA_F

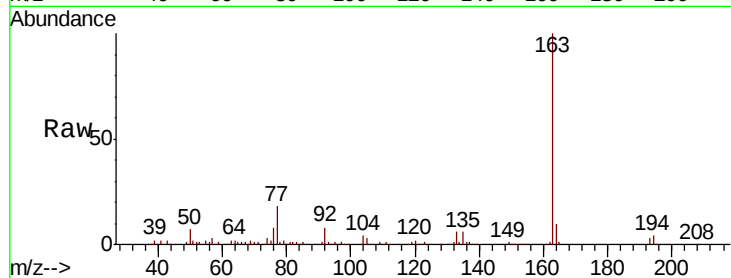
ClientSampleId :

SB-7-(1-3)

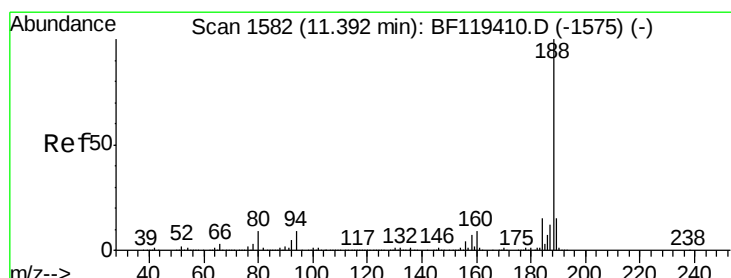
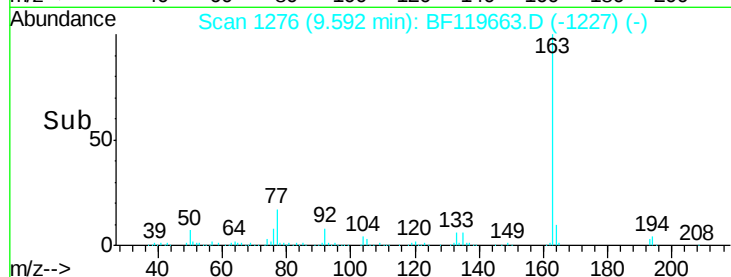
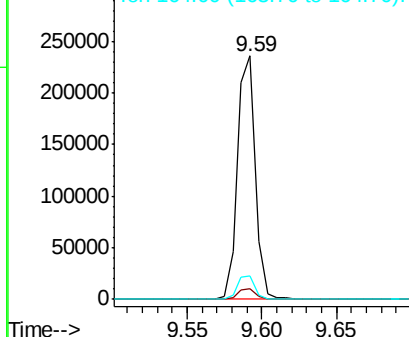
Tot Ion:	163	Resp:	199067
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.1	4.7
164	9.8	8.2	12.2

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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

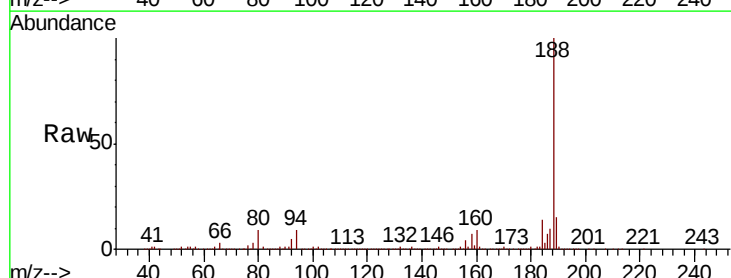
RT: 11.37 min Scan# 1578

Delta R.T. -0.00 min

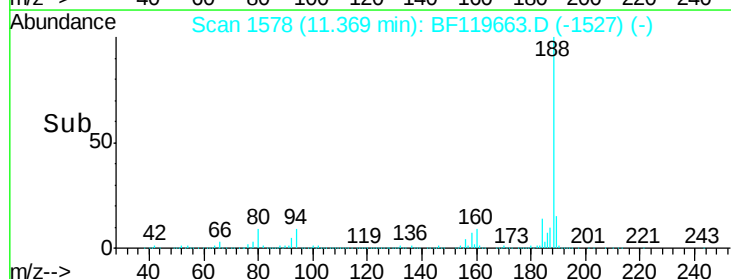
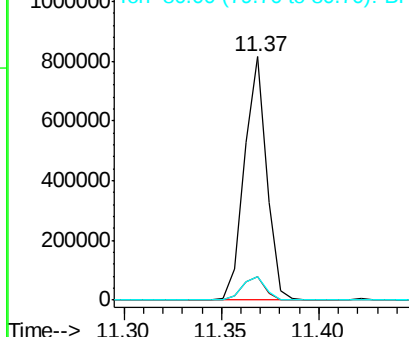
Lab File: BF119663.D

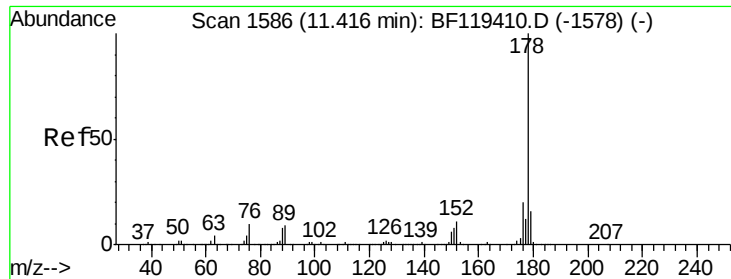
Acq: 31 Mar 2020 20:22

Tgt Ion:	188	Resp:	642195
Ion Ratio	Lower	Upper	
188	100		
94	9.4	7.5	11.3
80	9.5	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





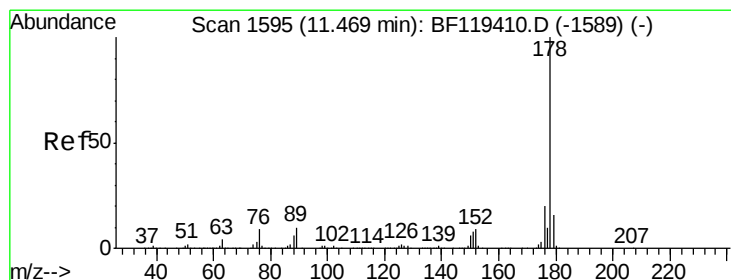
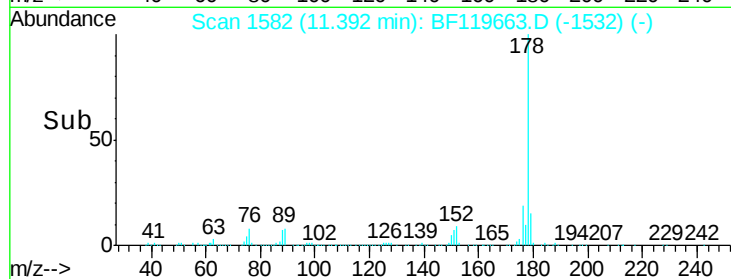
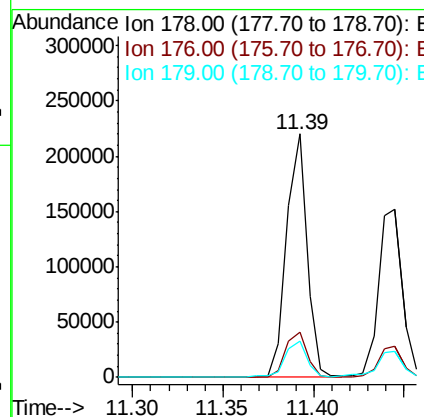
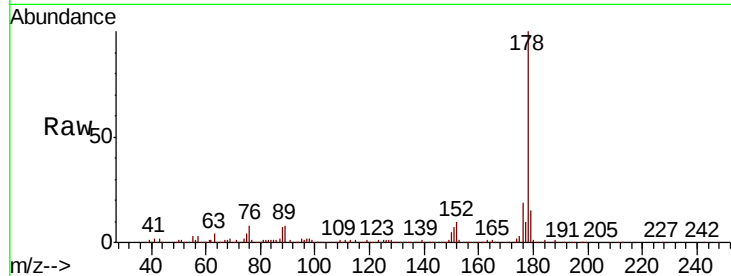
#71
Phenanthrene
Concen: 5.240 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF119663.D
Acq: 31 Mar 2020 20:22

Instrument :
BNA_F
ClientSampleId :
SB-7-(1-3)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.2	24.4
179	14.9	13.2	19.8

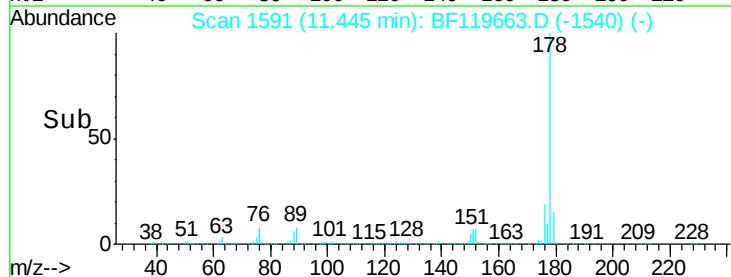
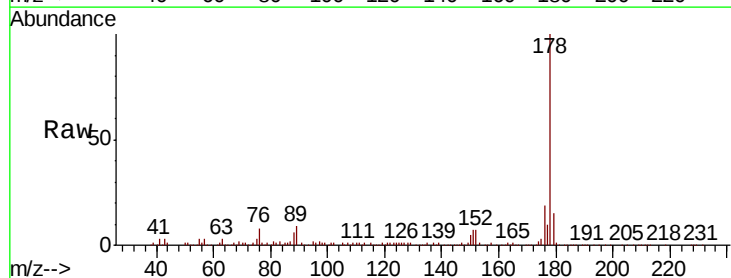
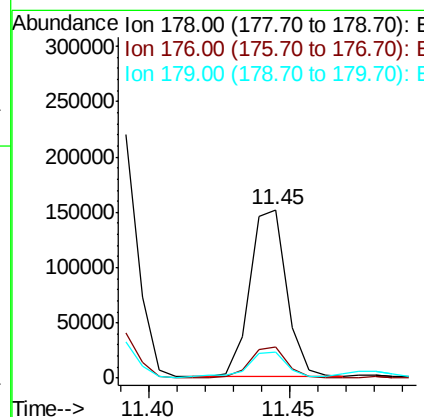
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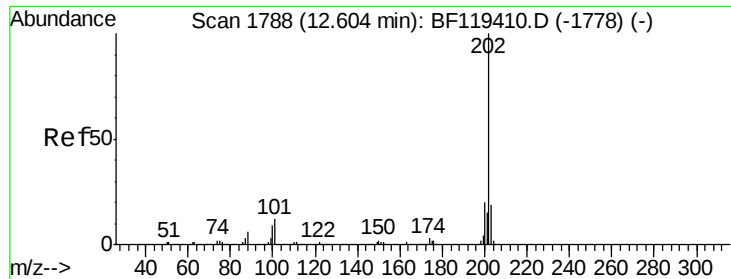
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#72
Anthracene
Concen: 4.038 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.00 min
Lab File: BF119663.D
Acq: 31 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.1	24.1
179	15.2	13.0	19.4





#75

Fluoranthene

Concen: 18.256 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BF119663.D

Acq: 31 Mar 2020 20:22

Instrument :

BNA_F

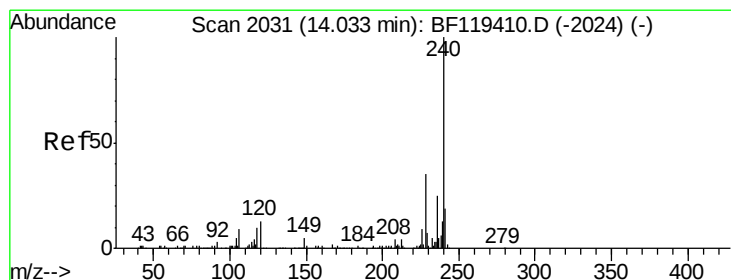
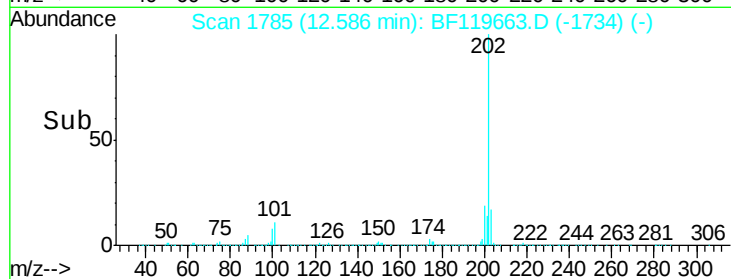
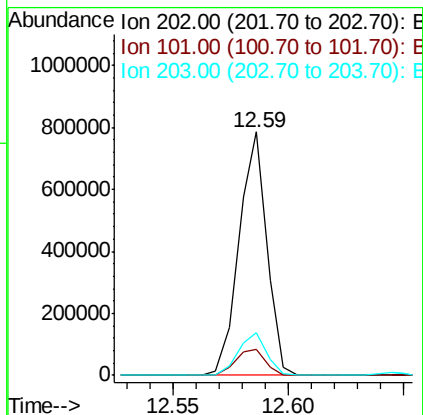
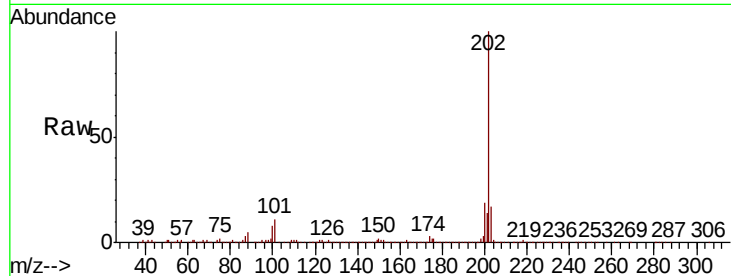
ClientSampleId :

SB-7-(1-3)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	657899		
101	10.7	0.0	32.2	
203	17.4	0.0	38.8	

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#76

Chrysene-d12

Concen: 20.000 ng

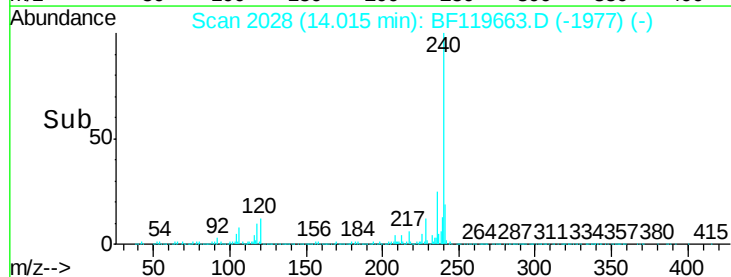
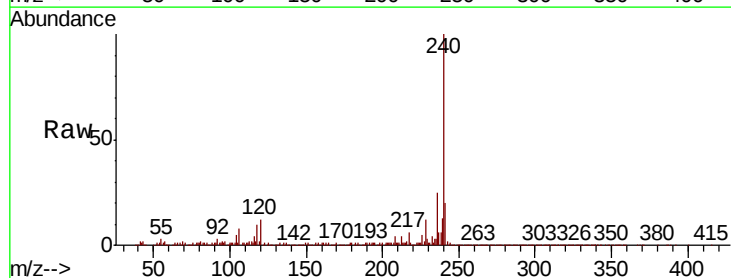
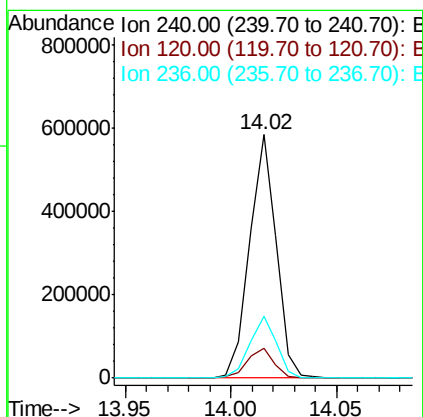
RT: 14.02 min Scan# 2028

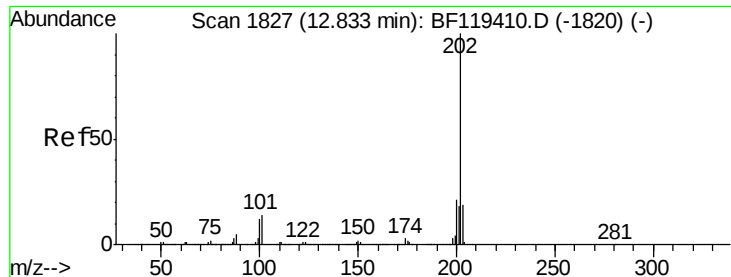
Delta R.T. -0.00 min

Lab File: BF119663.D

Acq: 31 Mar 2020 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	508427		
120	12.1	10.6	15.8	
236	25.5	20.2	30.2	





#78

Pvrene

Concen: 13.418 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.00 min

Lab File: BF119663.D

Acq: 31 Mar 2020 20:22

Instrument :

BNA_F

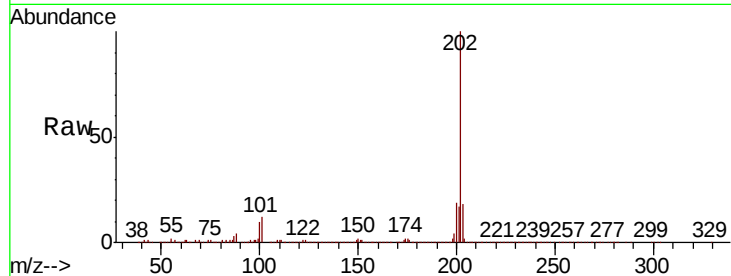
ClientSampleId :

SB-7-(1-3)

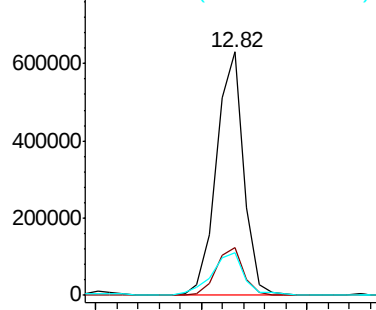
Tot Ion:	202	Resp:	559897
Ion Ratio		Lower	Upper
202	100		
200	19.5	16.8	25.2
203	17.8	15.1	22.7

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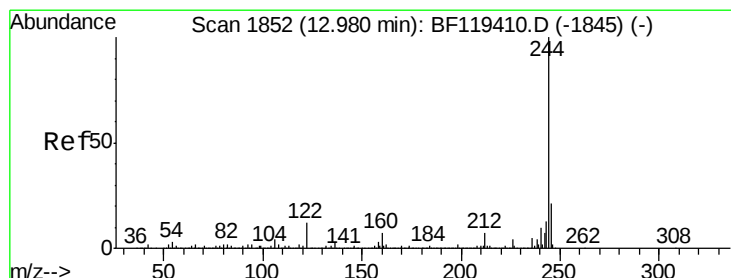
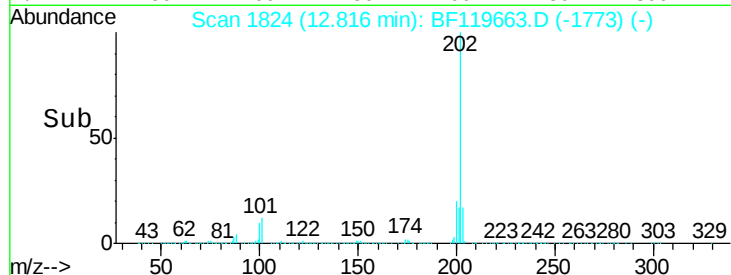
mohammad
4/1/2020 11:55:51 AM



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



Time-->



#79

Terphenyl-d14

Concen: 60.844 ng

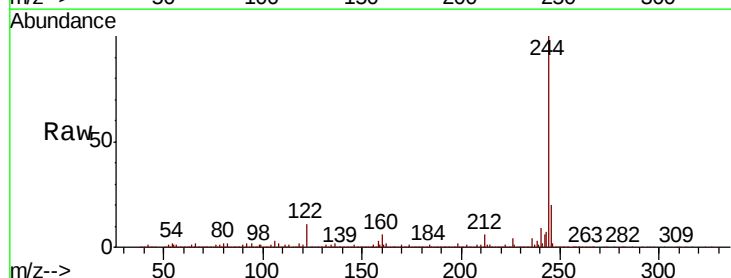
RT: 12.96 min Scan# 1849

Delta R.T. -0.00 min

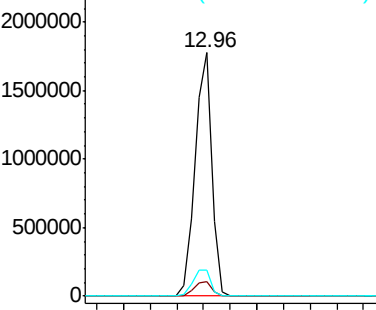
Lab File: BF119663.D

Acq: 31 Mar 2020 20:22

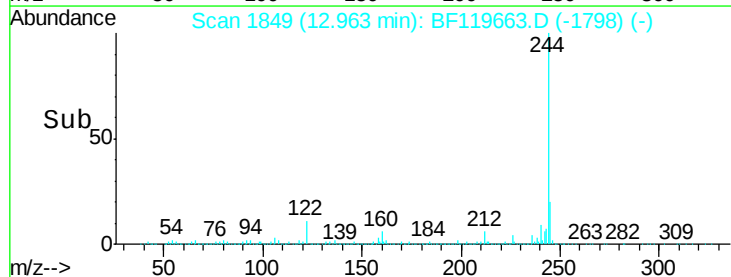
Tgt Ion:	244	Resp:	1578925
Ion Ratio		Lower	Upper
244	100		
212	6.0	5.8	8.8
122	10.8	10.3	15.5

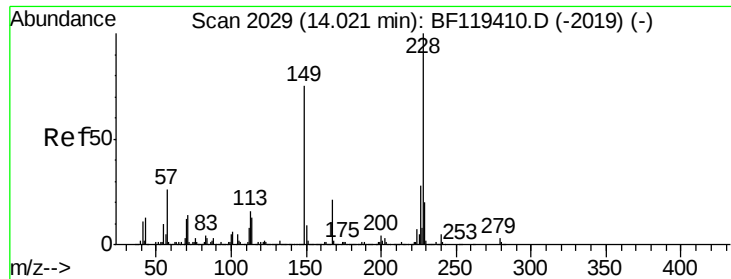


Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





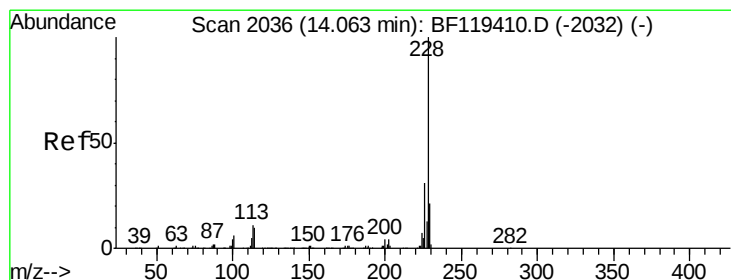
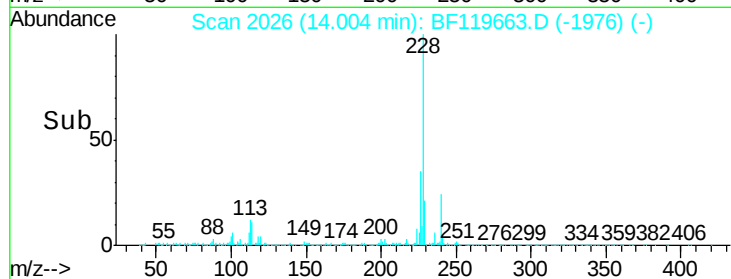
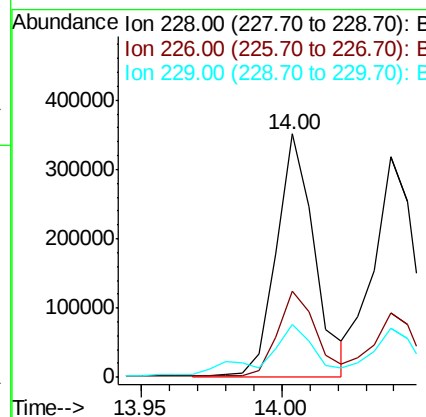
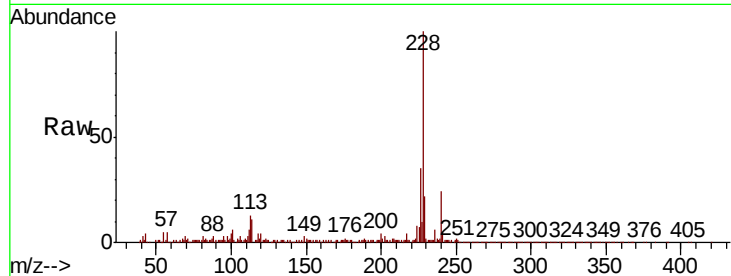
#81
Benzo(a)anthracene
Concen: 9.944 ng m
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF119663.D
Acq: 31 Mar 2020 20:22

Instrument :
BNA_F
ClientSampleId :
SB-7-(1-3)

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.4	21.8	32.8#
229	21.8	16.2	24.4

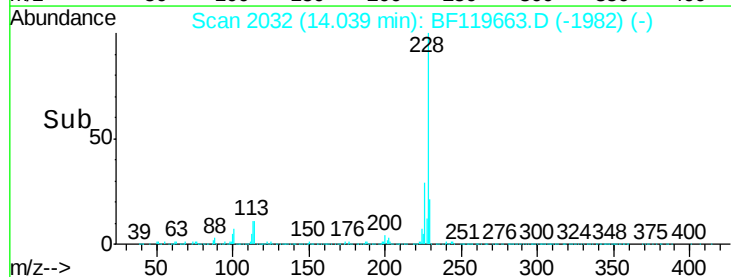
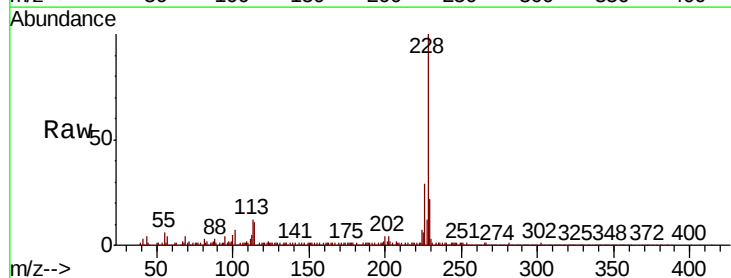
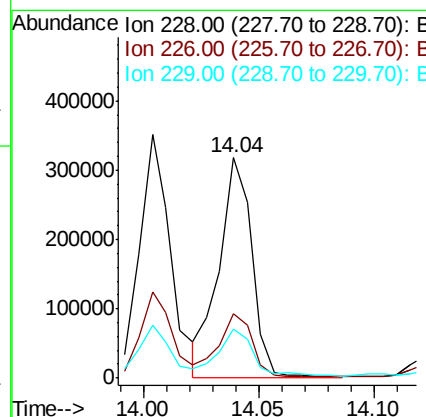
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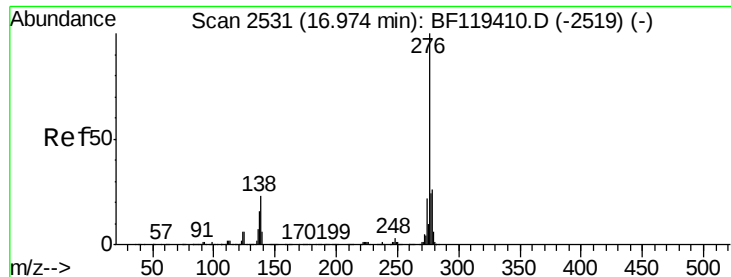
mohammad
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#83
Chrysene
Concen: 9.174 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF119663.D
Acq: 31 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.4	38.0
229	22.2	16.6	24.8





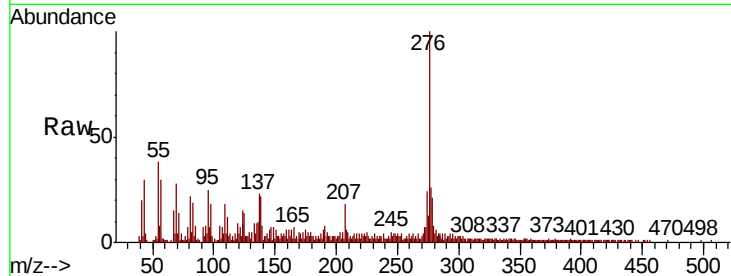
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.528 ng
RT: 16.95 min Scan# 2527
Delta R.T. 0.01 min
Lab File: BF119663.D
Acq: 31 Mar 2020 20:22

Instrument :
BNA_F
ClientSampleId :
SB-7-(1-3)

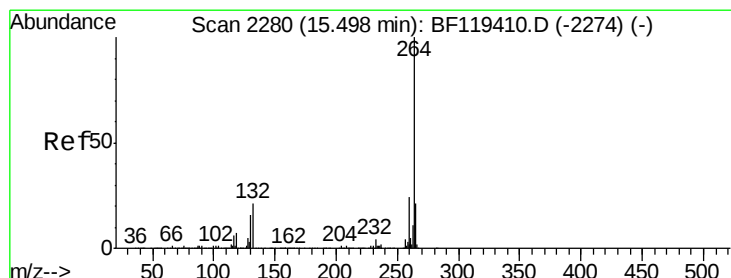
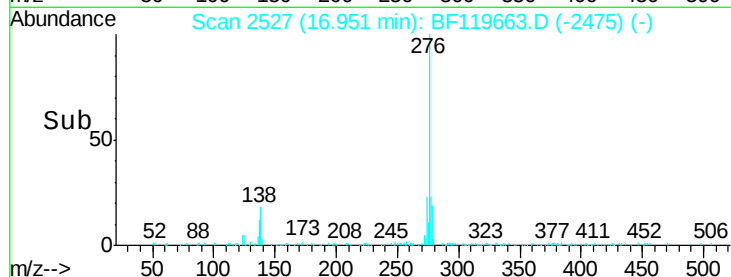
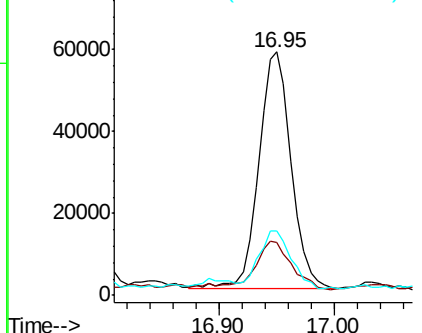
Tot Ion:	276	Resp:	113375
Ion Ratio	Lower	Upper	
276	100		
138	22.5	19.6	29.4
277	24.6	20.0	30.0

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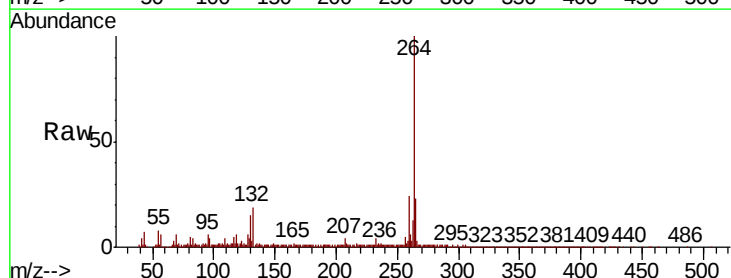


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

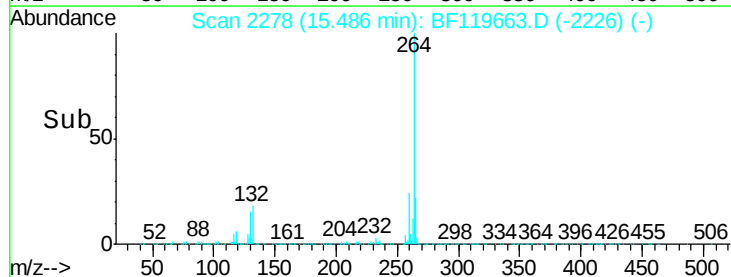
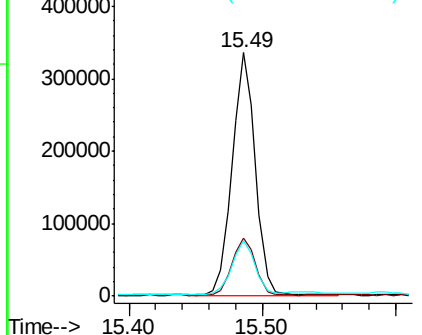


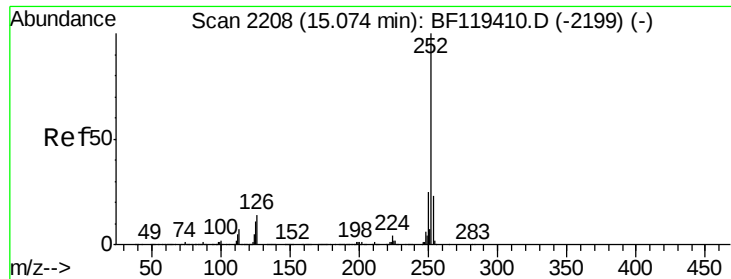
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF119663.D
Acq: 31 Mar 2020 20:22

Tgt Ion:	264	Resp:	405917
Ion Ratio	Lower	Upper	
264	100		
260	24.0	18.7	28.1
265	22.6	17.7	26.5



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





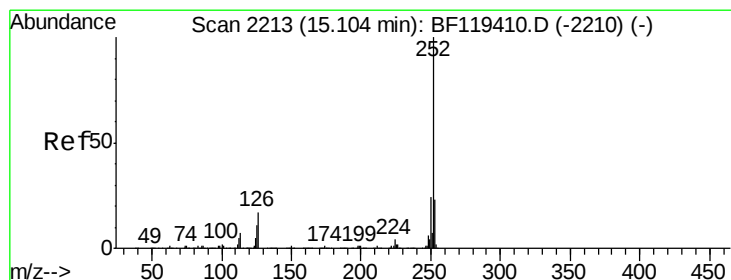
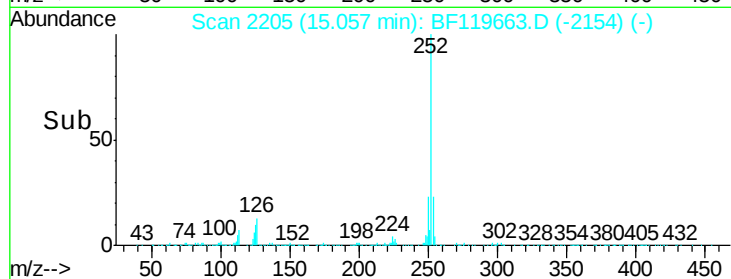
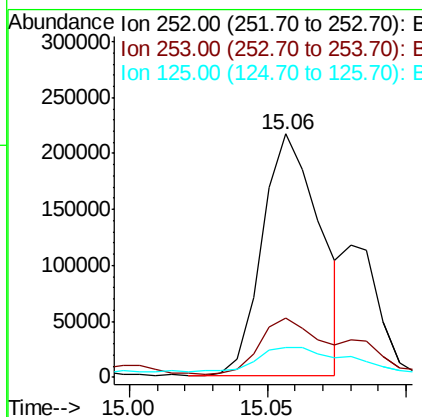
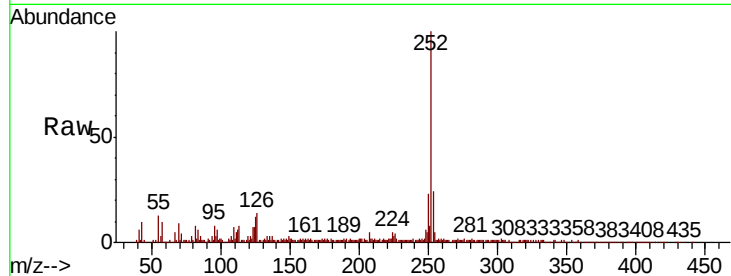
#88
Benzo(b)fluoranthene
Concen: 11.674 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.00 min
Lab File: BF119663.D
Acq: 31 Mar 2020 20:22

Instrument :
BNA_F
ClientSampleId :
SB-7-(1-3)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.4	26.0
125	12.1	7.9	11.9

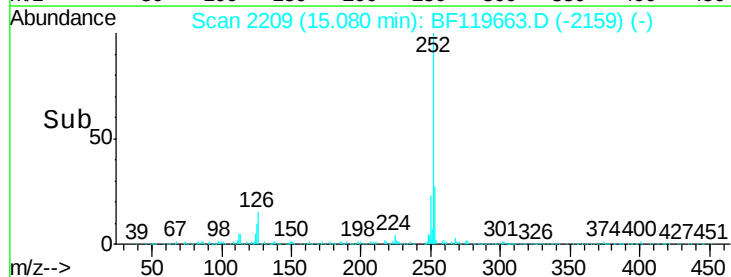
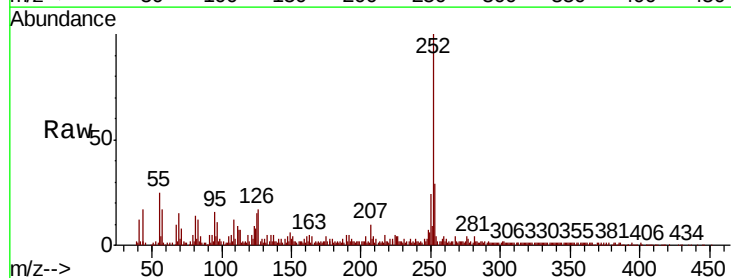
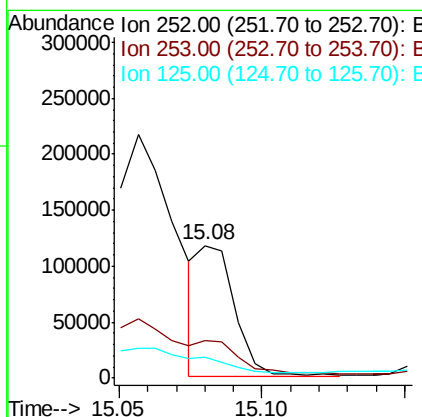
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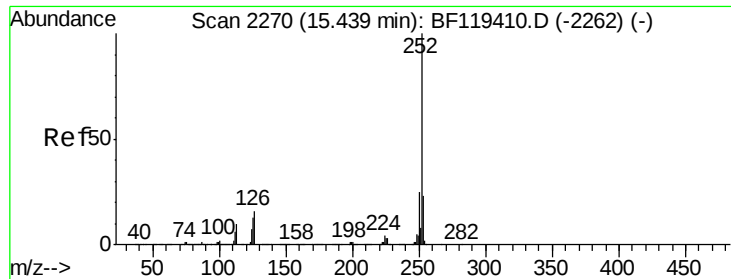
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#89
Benzo(k)fluoranthene
Concen: 4.033 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF119663.D
Acq: 31 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.7	17.8	26.6
125	15.3	8.4	12.6





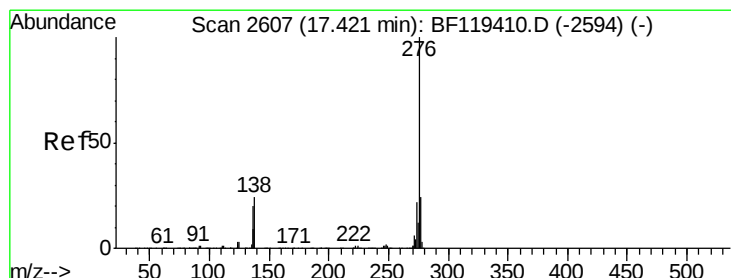
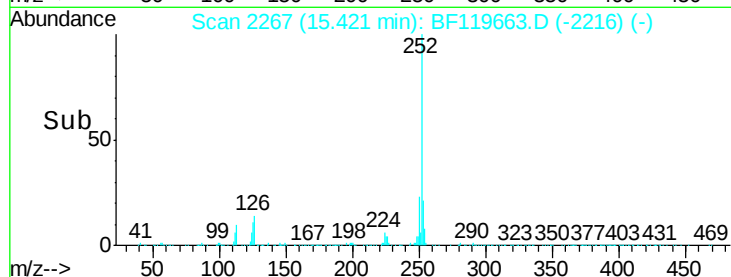
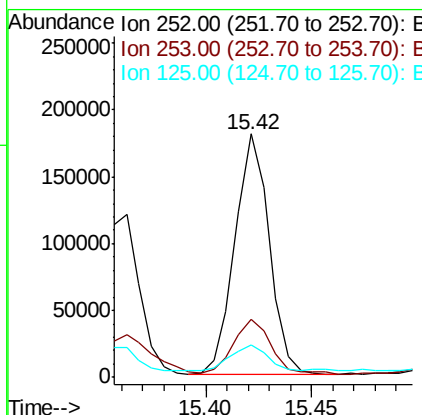
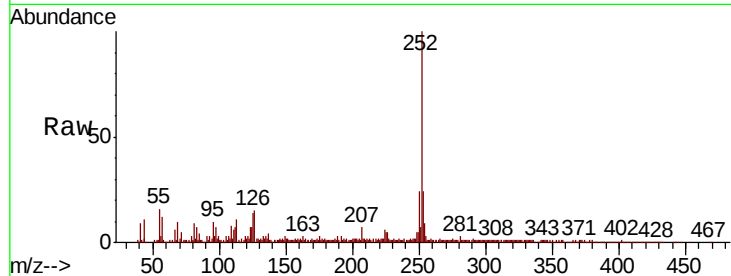
#90
Benzo(a)pyrene
Concen: 8.280 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.00 min
Lab File: BF119663.D
Acq: 31 Mar 2020 20:22

Instrument :
BNA_F
ClientSampleId :
SB-7-(1-3)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	13.6	9.4	14.2

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#92
Benzo(g,h,i)perylene
Concen: 4.803 ng
RT: 17.39 min Scan# 2602
Delta R.T. -0.00 min
Lab File: BF119663.D
Acq: 31 Mar 2020 20:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.6	18.4	27.6
138	24.5	15.4	23.0

