

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
 Data File : BF120050.D
 Acq On : 17 Apr 2020 11:12
 Operator : MA/SJ
 Sample : L2245-30
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-28

Manual Integrations
 APPROVED

mohammad
 4/21/2020 8:22:17 AM

Quant Time: Apr 17 12:52:49 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 10:51:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	166318	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	752032	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	395876	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	705236	20.00	ng	0.00
76) Chrysene-d12	13.89	240	388717	20.00	ng	-0.01
87) Perylene-d12	15.32	264	328807	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1330826	138.28	ng	0.01
7) Phenol-d6	6.37	99	1777572	143.34	ng	0.00
23) Nitrobenzene-d5	7.30	82	1135588	78.12	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	533150	110.00	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	2452632	87.96	ng	0.00
79) Terphenyl-d14	12.85	244	2243970	97.14	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.49	163	106910	3.491	ng	99
71) Phenanthrene	11.27	178	212855	5.671	ng	99
75) Fluoranthene	12.46	202	334673	8.264	ng	98
78) Pyrene	12.69	202	275299	8.401	ng	98
81) Benzo(a)anthracene	13.88	228	113690	4.446	ng	100
83) Chrysene	13.92	228	93134	3.584	ng	97
86) Indeno(1,2,3-cd)pyrene	16.70	276	50867	2.221	ng	97
88) Benzo(b)fluoranthene	14.91	252	103733m	4.386	ng	
90) Benzo(a)pyrene	15.26	252	76746	3.859	ng	# 96
92) Benzo(g,h,i)perylene	17.12	276	49663	2.856	ng	96

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

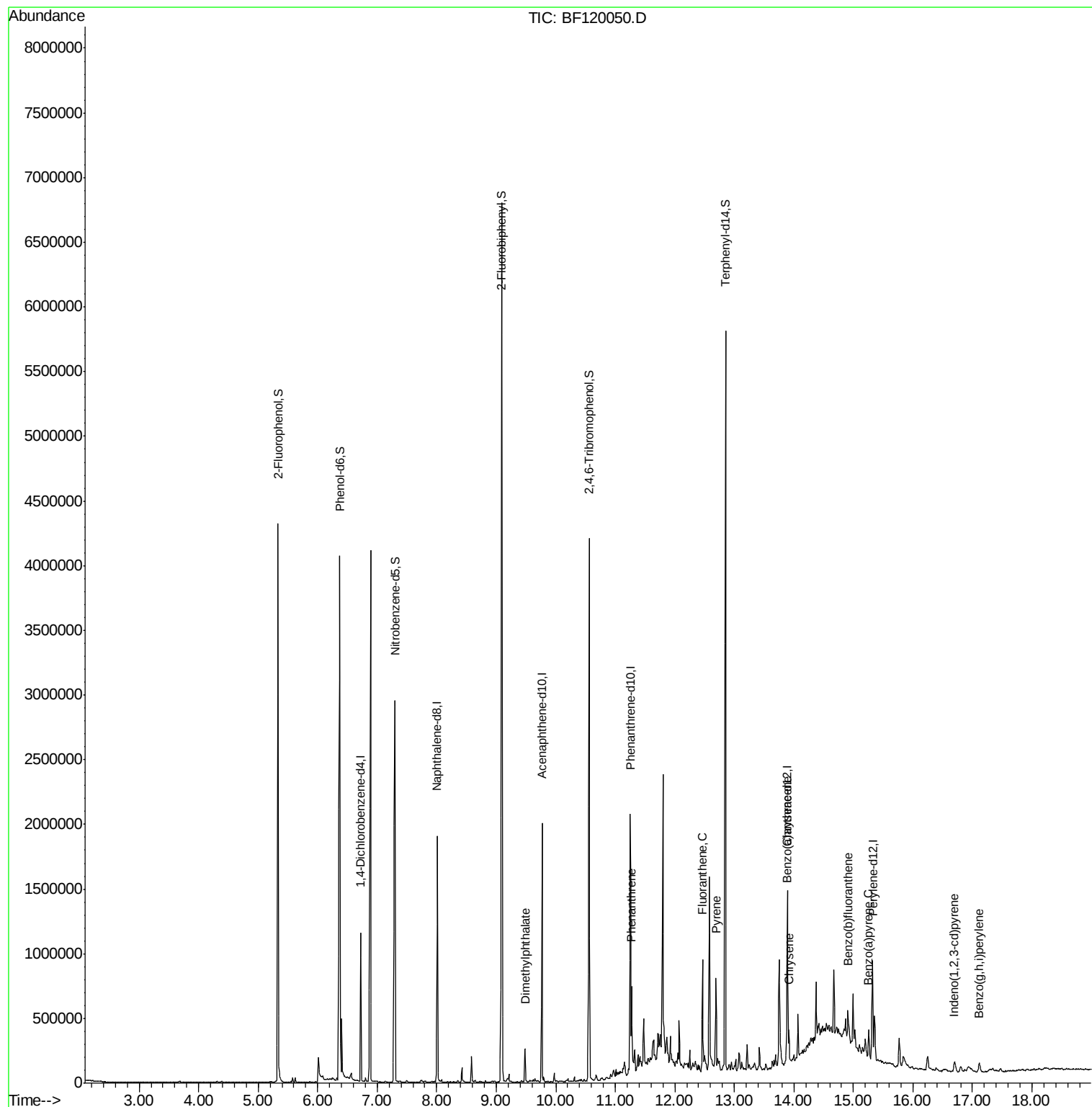
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041720\
Data File : BF120050.D
Acq On : 17 Apr 2020 11:12
Operator : MA/SJ
Sample : L2245-30
Misc :
ALS Vial : 5 Sample Multiplier: 1

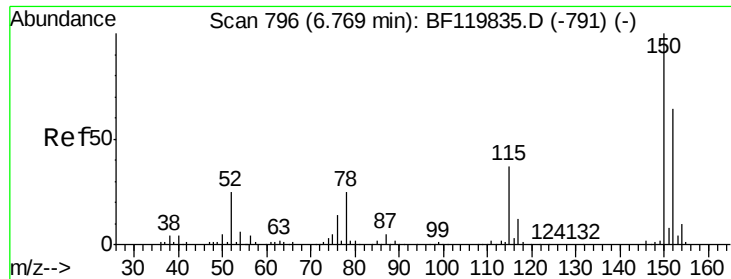
Instrument :
BNA_F
ClientSampleId :
TP-28

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

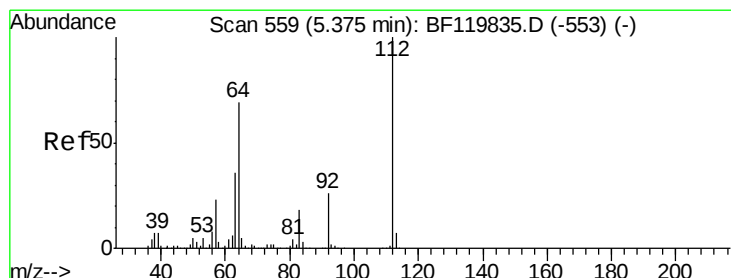
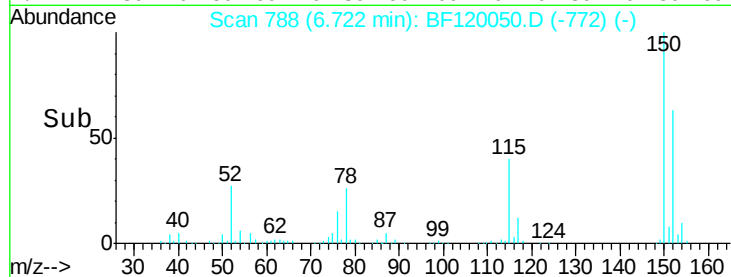
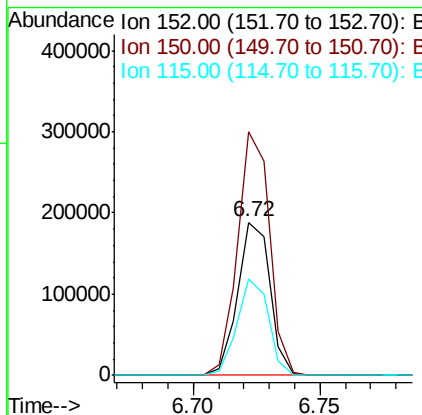
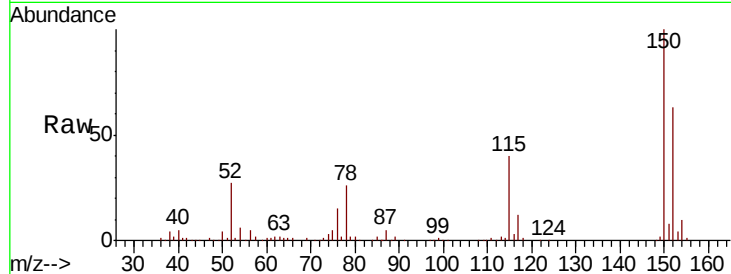
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF120050.D
Acq: 17 Apr 2020 11:12

Instrument :
BNA_F
ClientSampleId :
TP-28

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.8	187.2
115	62.9	46.5	69.7

Manual Integrations
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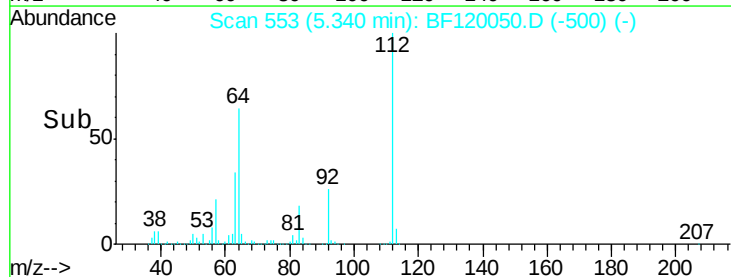
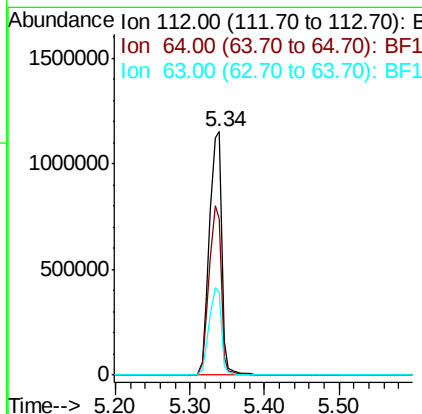
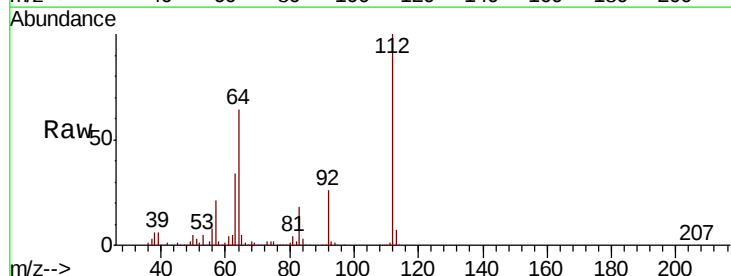
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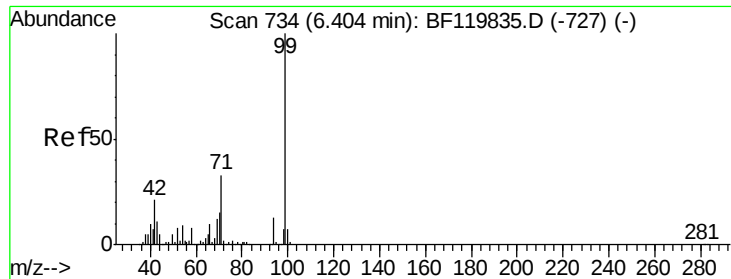


#5

2-Fluorophenol
Concen: 138.284 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.01 min
Lab File: BF120050.D
Acq: 17 Apr 2020 11:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	55.5	83.3
63	33.7	29.1	43.7





#7

Phenol-d6

Concen: 143.343 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF120050.D

Acq: 17 Apr 2020 11:12

Instrument :

BNA_F

ClientSampleId :

TP-28

Tot Ion: 99 Resp: 1777572

Ion Ratio Lower Upper

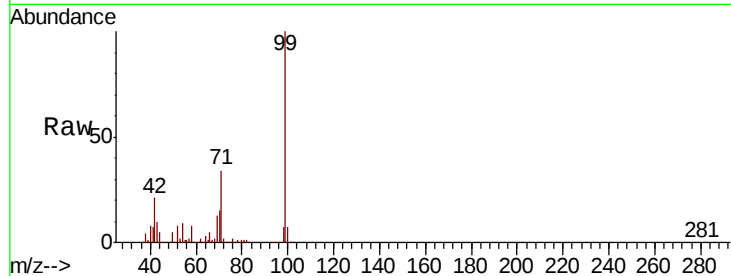
99 100

42 20.7 16.9 25.3

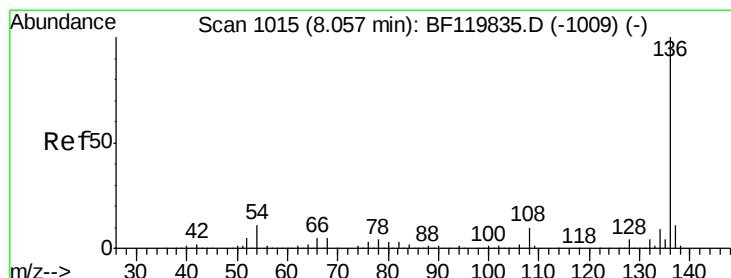
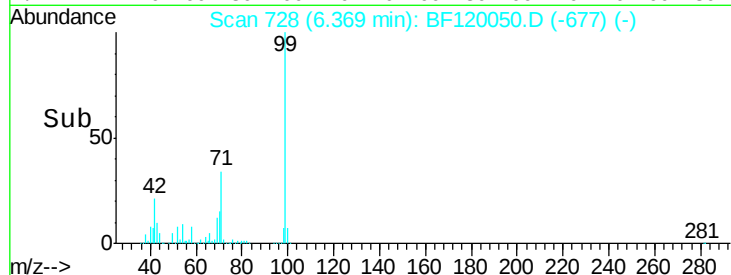
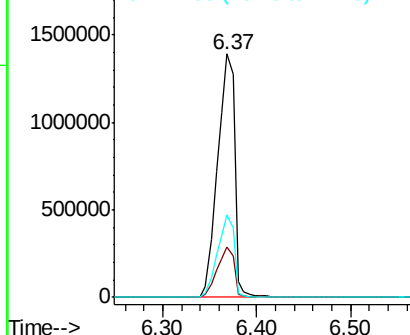
71 33.9 26.3 39.5

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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: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF120050.D

Acq: 17 Apr 2020 11:12

Tgt Ion: 136 Resp: 752032

Ion Ratio Lower Upper

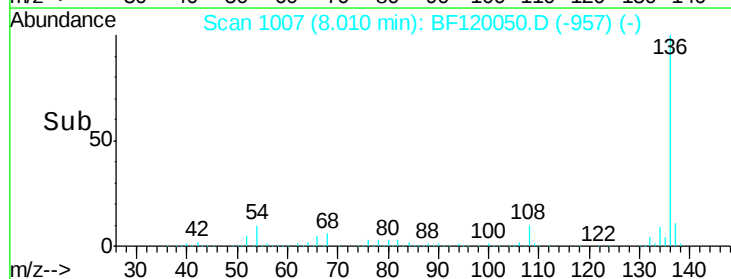
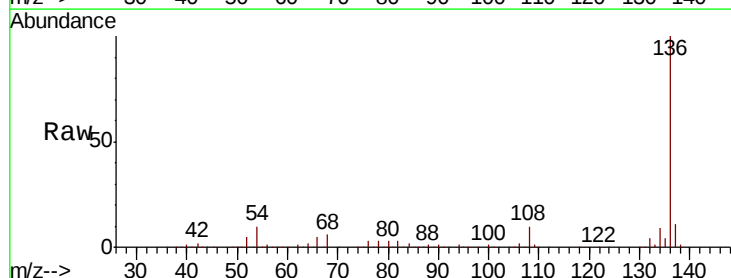
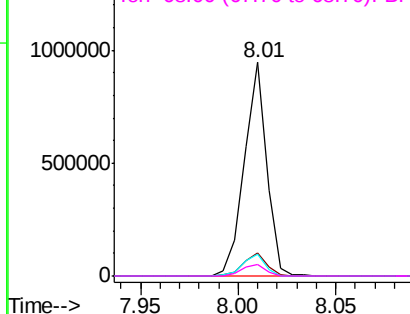
136 100

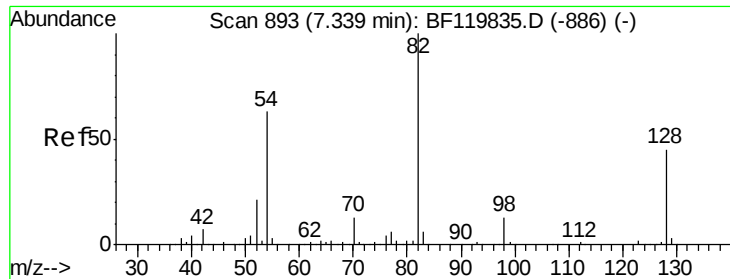
137 11.0 8.7 13.1

54 10.0 8.5 12.7

68 5.7 3.9 5.9

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





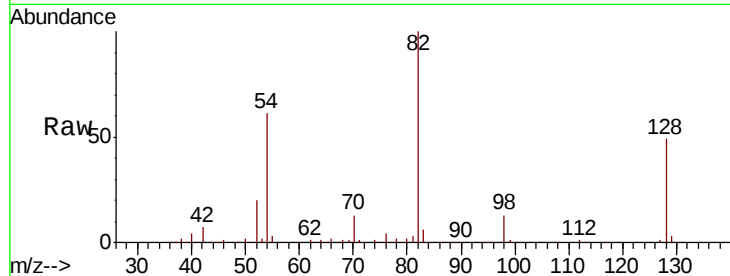
#23
Nitrobenzene-d5
Concen: 78.119 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.00 min
Lab File: BF120050.D
Acq: 17 Apr 2020 11:12

Instrument :
BNA_F
ClientSampled :
TP-28

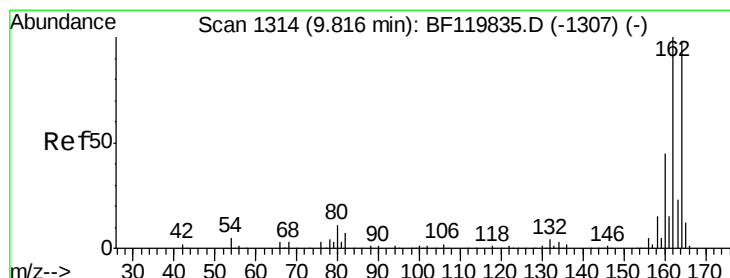
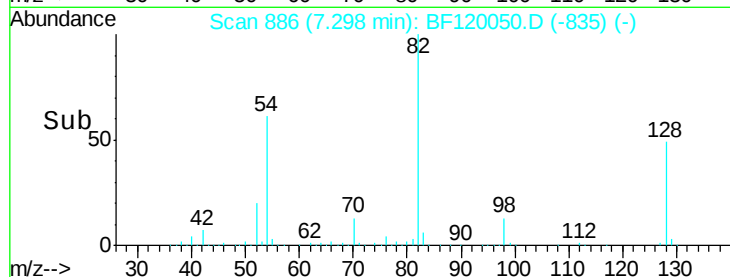
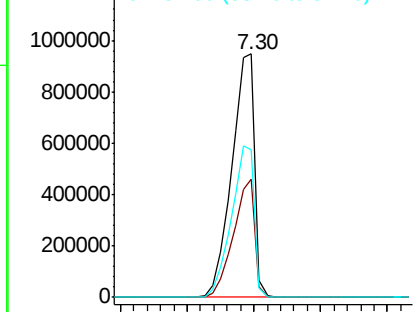
Tot Ion: 82 Resp: 1135588
Ion Ratio Lower Upper
82 100
128 48.7 36.2 54.4
54 60.8 50.4 75.6

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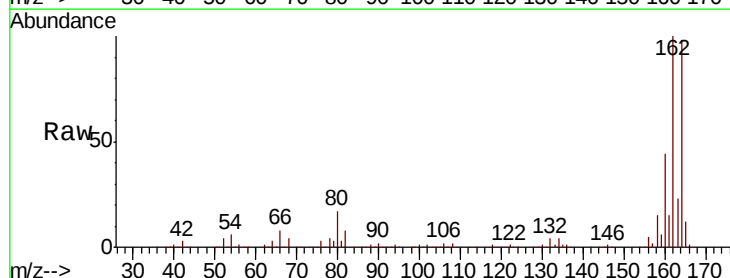


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

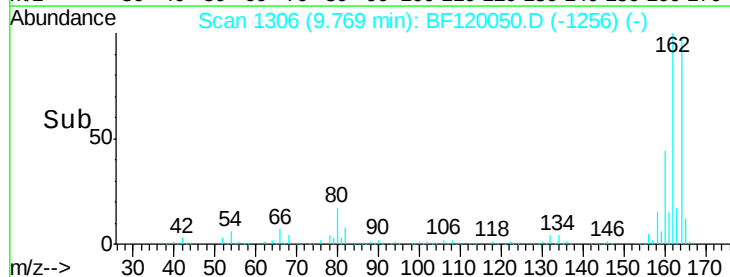
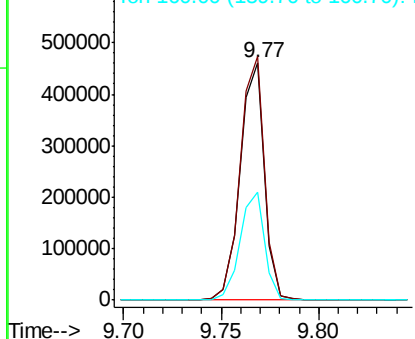


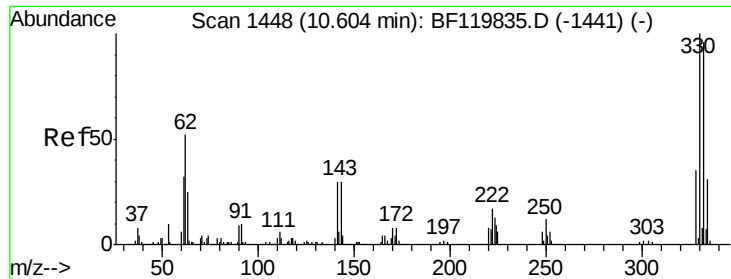
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF120050.D
Acq: 17 Apr 2020 11:12

Tgt Ion:164 Resp: 395876
Ion Ratio Lower Upper
164 100
162 102.4 81.9 122.9
160 45.5 36.6 54.8



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





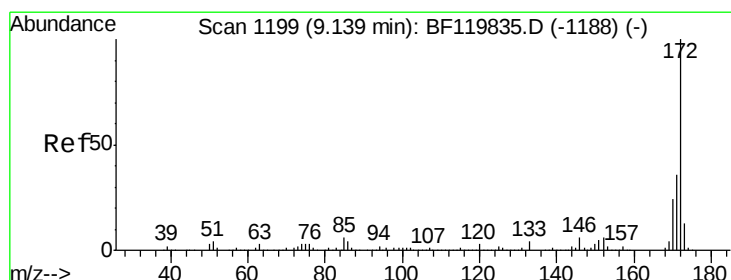
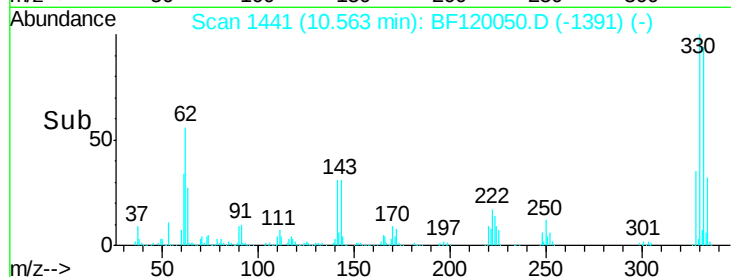
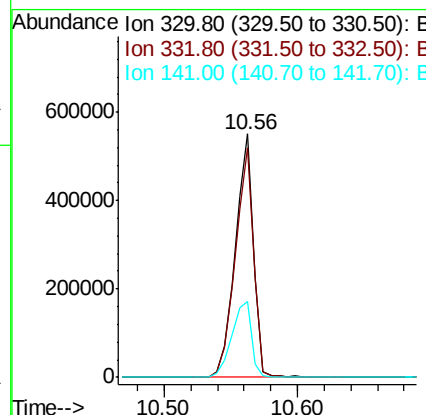
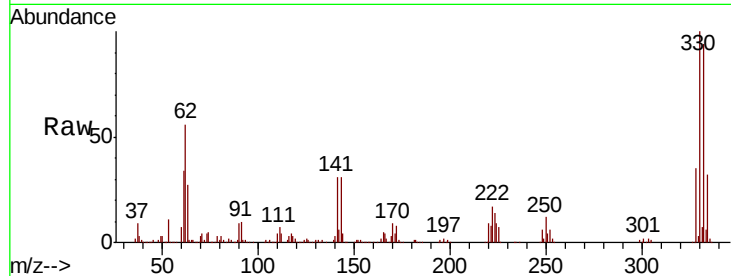
#42
 2,4,6-Tribromophenol
 Concen: 109.999 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF120050.D
 Acq: 17 Apr 2020 11:12

Instrument :
 BNA_F
 ClientSampled :
 TP-28

Tot Ion	Ratio	Resp	Lower	Upper
330	100	533150		
332	95.6	76.8	115.2	
141	34.0	25.1	37.7	

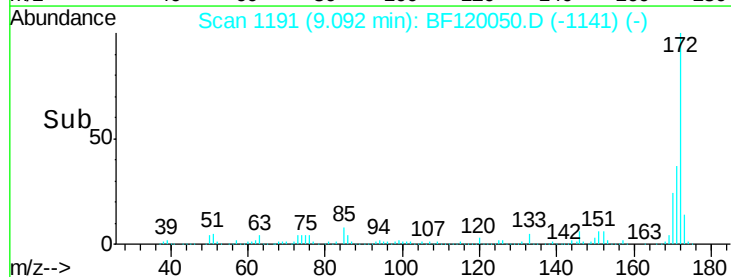
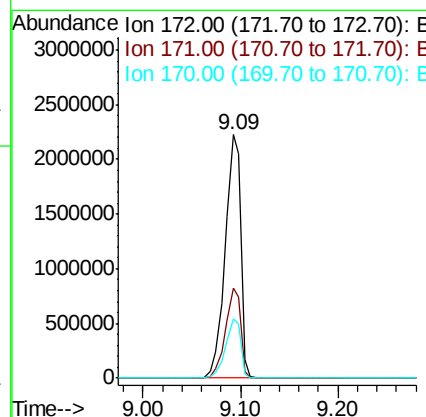
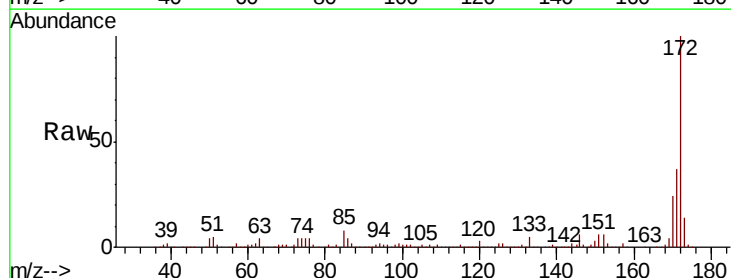
Manual Integrations
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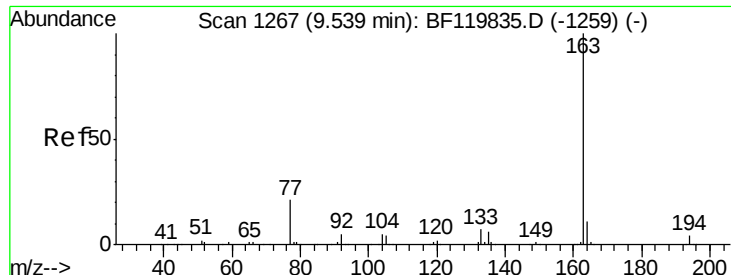
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#45
 2-Fluorobiphenyl
 Concen: 87.962 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF120050.D
 Acq: 17 Apr 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2452632		
171	36.9	28.9	43.3	
170	24.4	19.4	29.2	





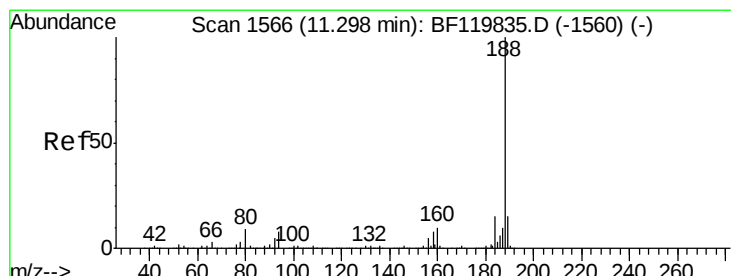
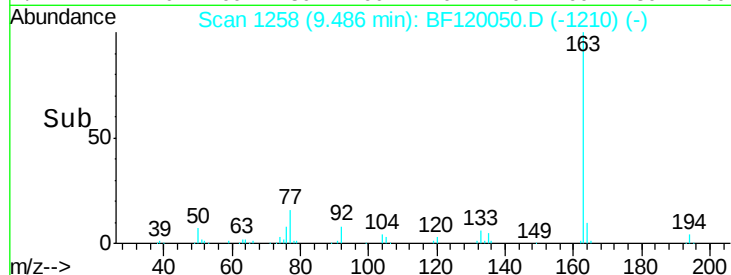
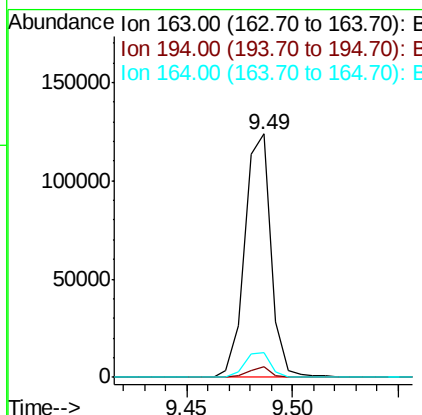
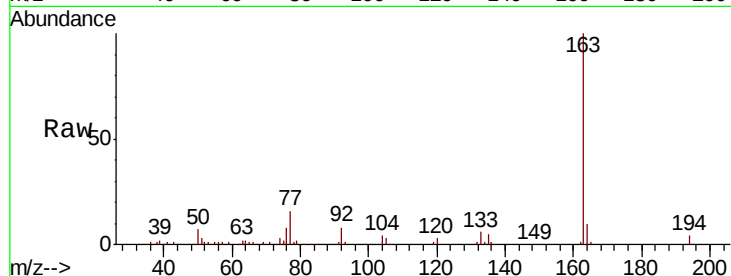
#50
Dimethylphthalate
Concen: 3.491 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.02 min
Lab File: BF120050.D
Acq: 17 Apr 2020 11:12

Instrument :
BNA_F
ClientSampleId :
TP-28

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100				
194	4.3		3.0	4.4	
164	10.4		8.4	12.6	

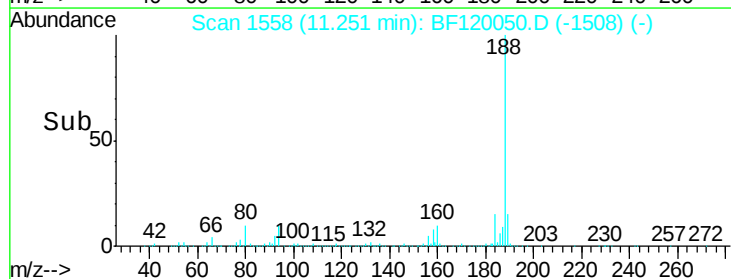
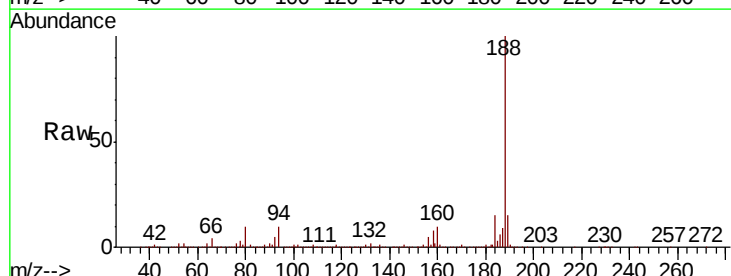
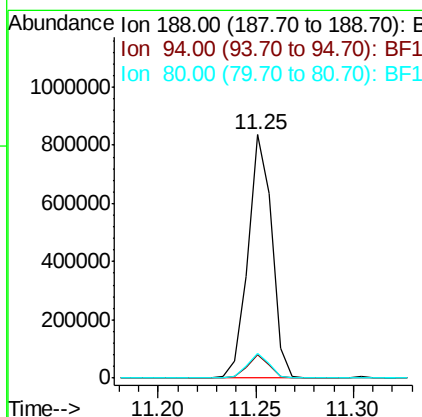
Manual Integrations
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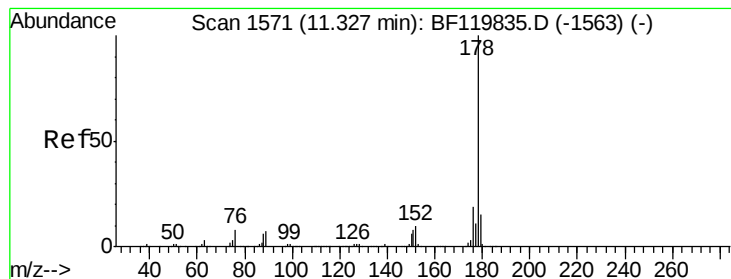
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF120050.D
Acq: 17 Apr 2020 11:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	9.7		6.7	10.1	
80	9.9		7.4	11.2	





#71

Phenanthrene

Concen: 5.671 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BF120050.D

Acq: 17 Apr 2020 11:12

Instrument :

BNA_F

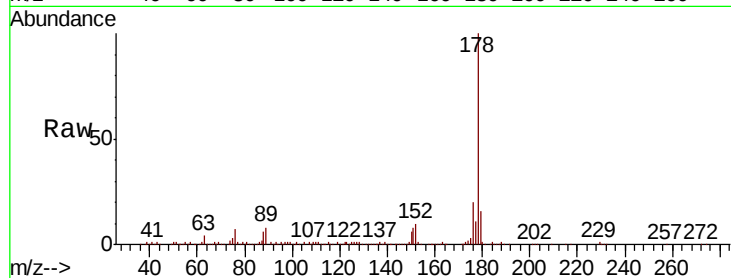
ClientSampleId :

TP-28

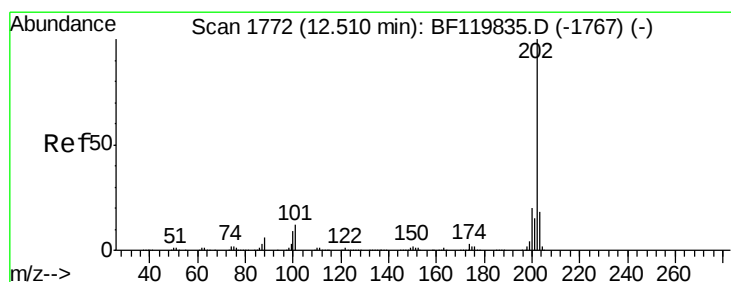
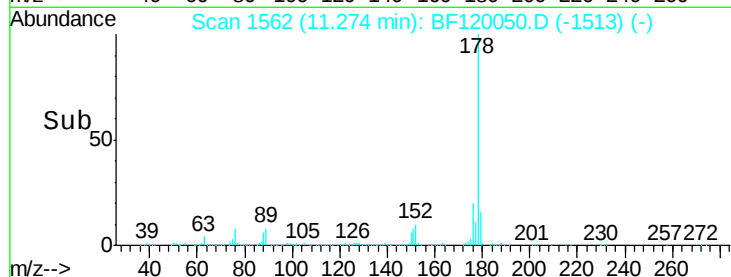
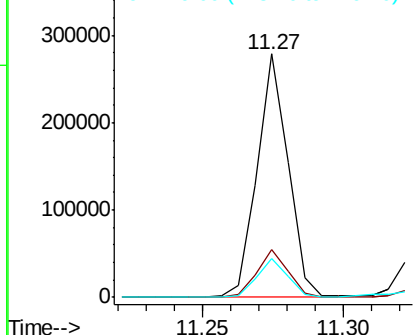
Tot Ion:	178	Resp:	212855
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.1	22.7
179	15.8	12.2	18.4

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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: 8.264 ng

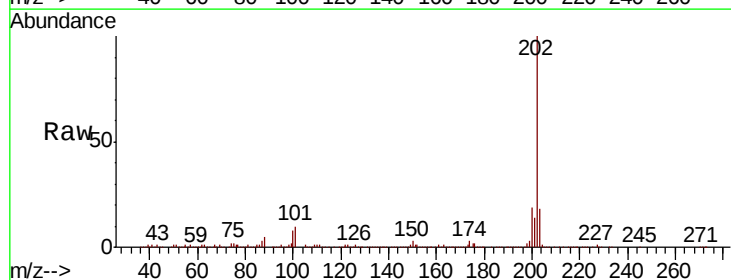
RT: 12.46 min Scan# 1764

Delta R.T. -0.01 min

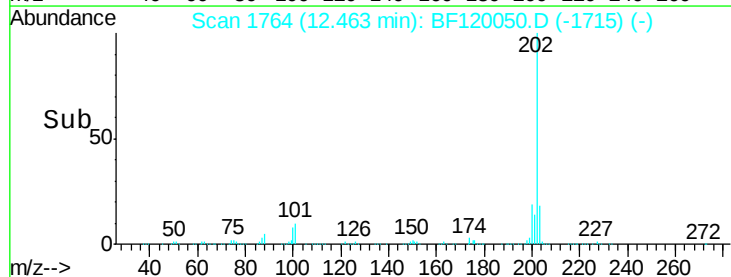
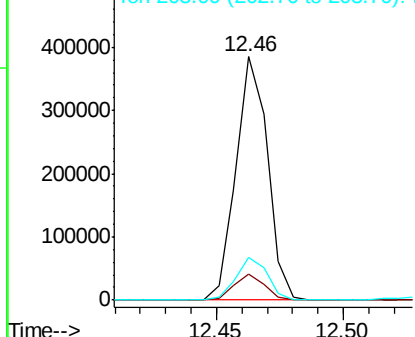
Lab File: BF120050.D

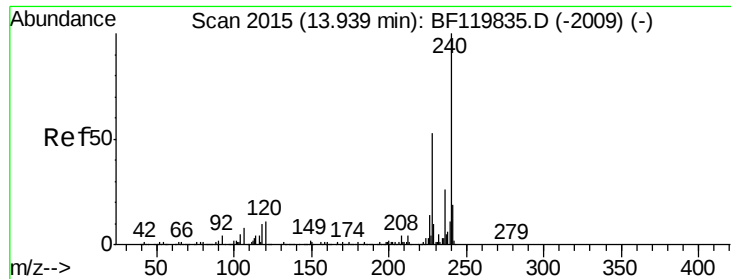
Acq: 17 Apr 2020 11:12

Tgt Ion:	202	Resp:	334673
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	32.3
203	17.6	0.0	37.6



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





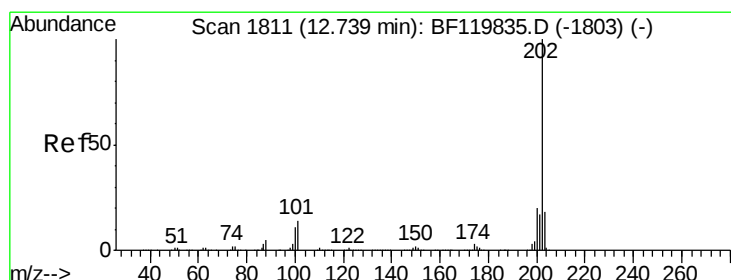
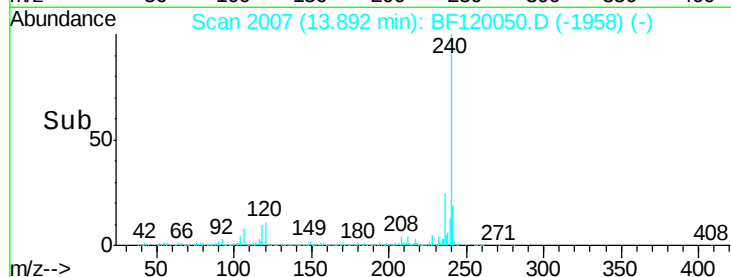
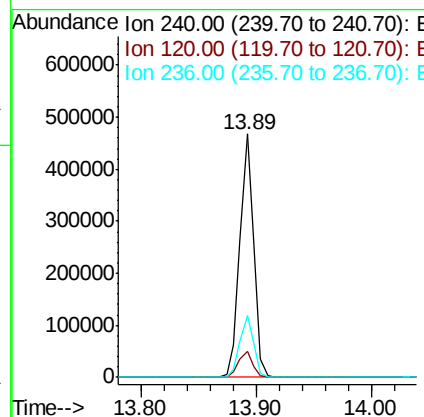
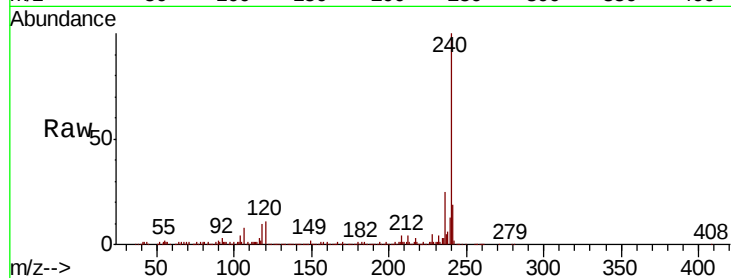
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF120050.D
Acq: 17 Apr 2020 11:12

Instrument :
BNA_F
ClientSampleId :
TP-28

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.0	13.6
236	25.3	20.7	31.1

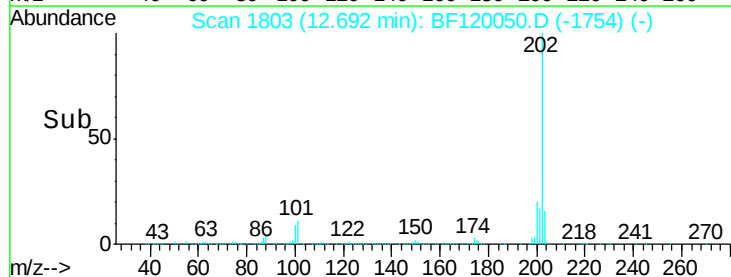
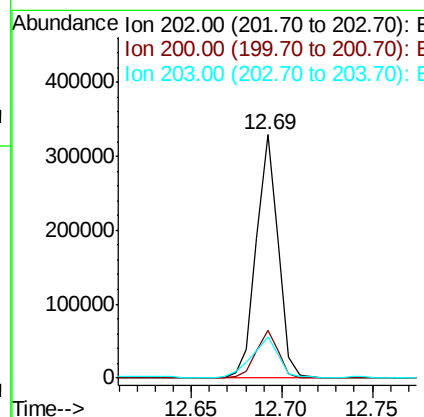
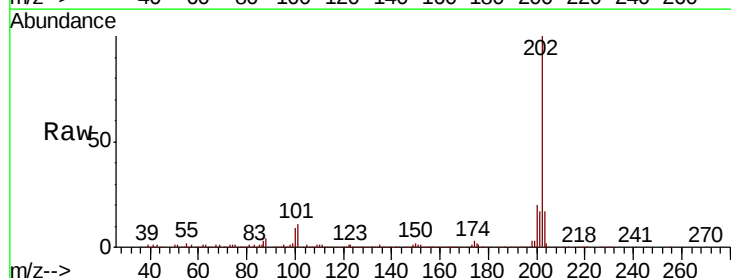
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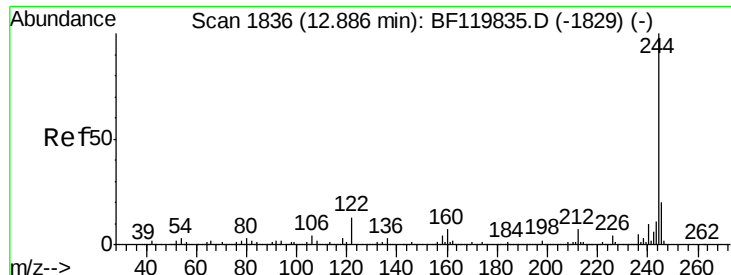
mohammad
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#78
Pyrene
Concen: 8.401 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF120050.D
Acq: 17 Apr 2020 11:12

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.7	16.2	24.2
203	16.7	14.1	21.1





#79

Terphenyl-d14

Concen: 97.136 ng

RT: 12.85 min Scan# 1830

Delta R.T. 0.00 min

Lab File: BF120050.D

Acq: 17 Apr 2020 11:12

Instrument :

BNA_F

ClientSampled :

TP-28

Tot Ion:244 Resp: 2243970

Ion Ratio Lower Upper

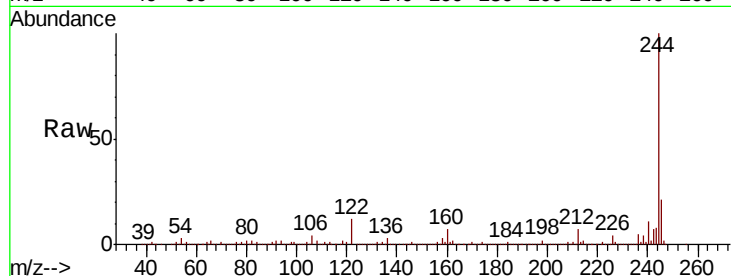
244 100

212 7.3 5.4 8.0

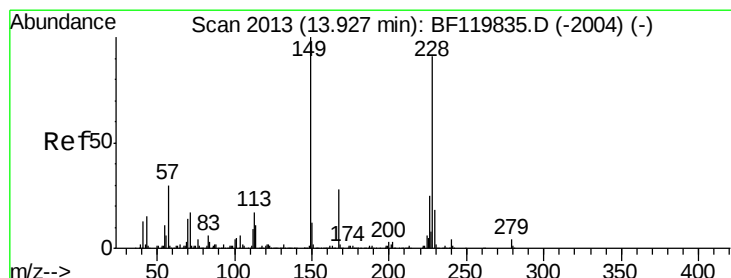
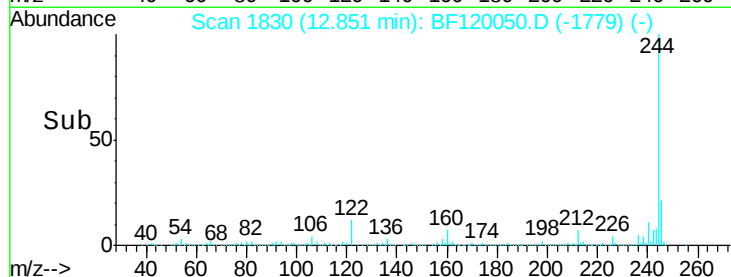
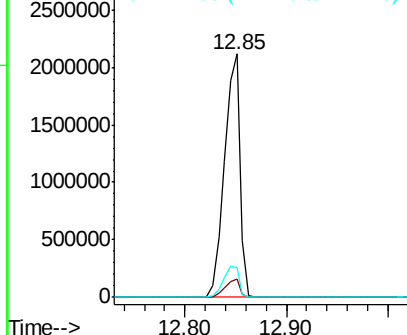
122 12.0 10.3 15.5

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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: 4.446 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF120050.D

Acq: 17 Apr 2020 11:12

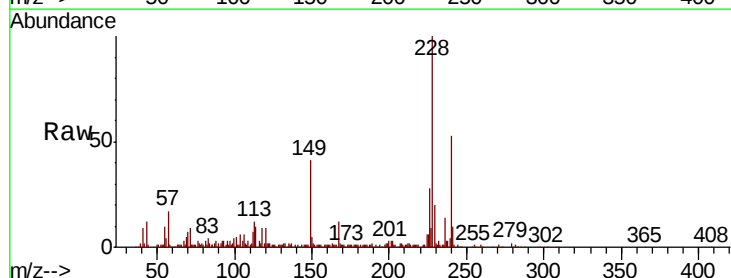
Tgt Ion:228 Resp: 113690

Ion Ratio Lower Upper

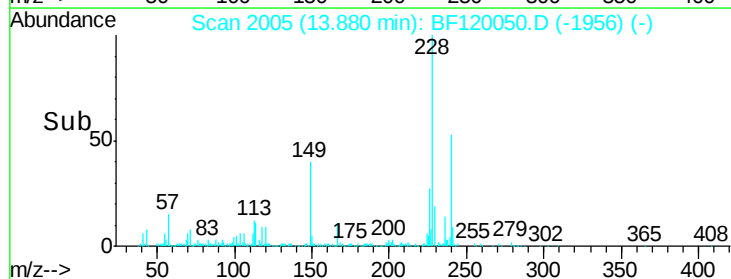
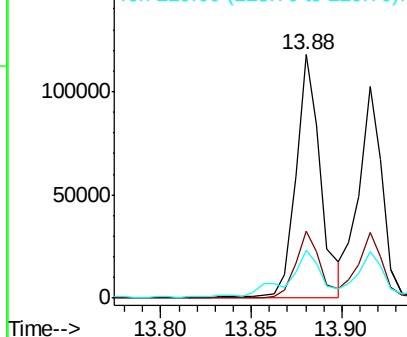
228 100

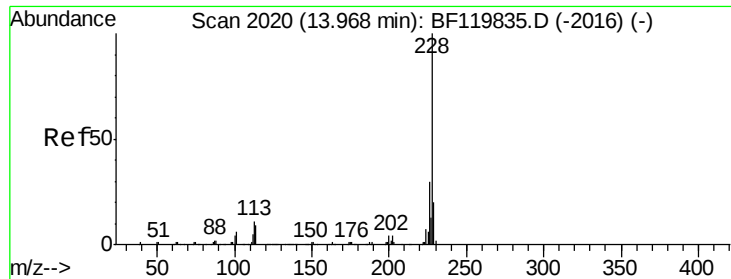
226 27.7 21.9 32.9

229 19.8 15.9 23.9



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





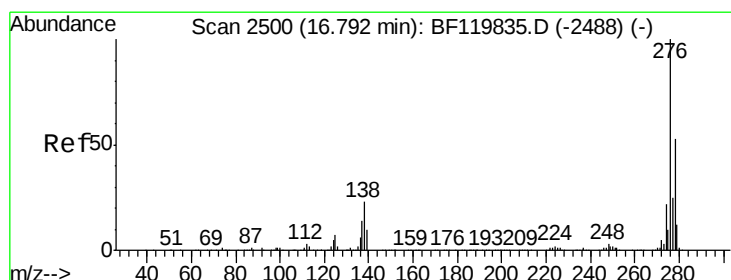
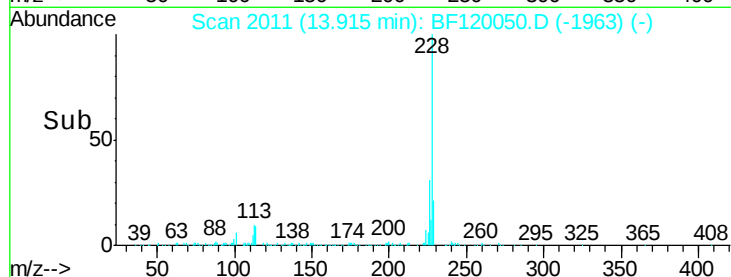
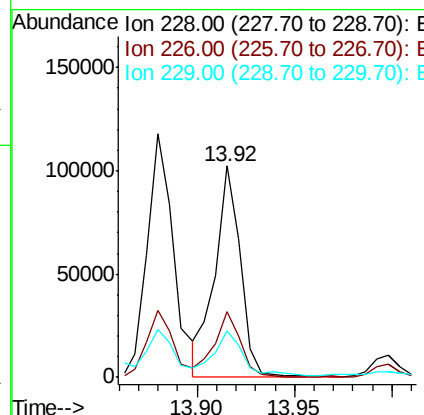
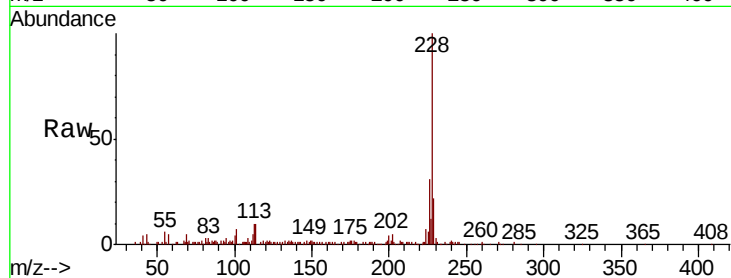
#83
Chrysene
Concen: 3.584 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.02 min
Lab File: BF120050.D
Acq: 17 Apr 2020 11:12

Instrument :
BNA_F
ClientSampleId :
TP-28

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.2	36.2
229	22.1	15.9	23.9

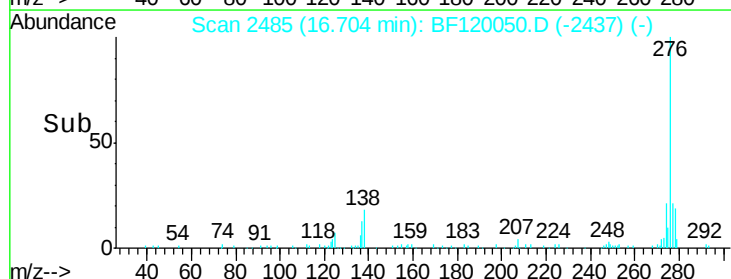
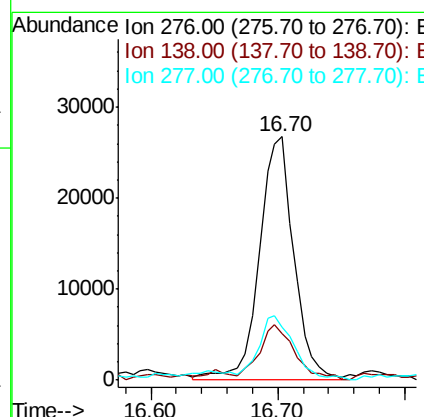
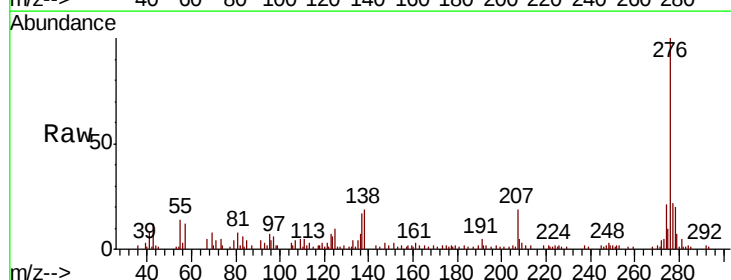
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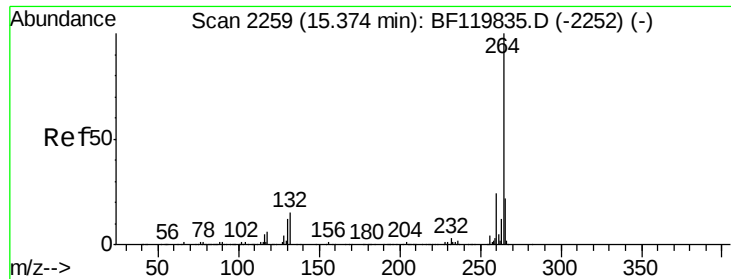
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.221 ng
RT: 16.70 min Scan# 2485
Delta R.T. -0.02 min
Lab File: BF120050.D
Acq: 17 Apr 2020 11:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.3	18.0	27.0
277	27.1	20.1	30.1





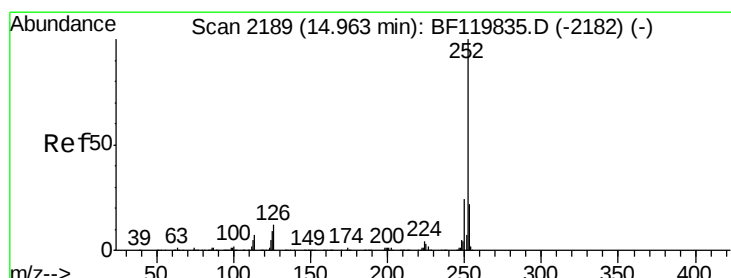
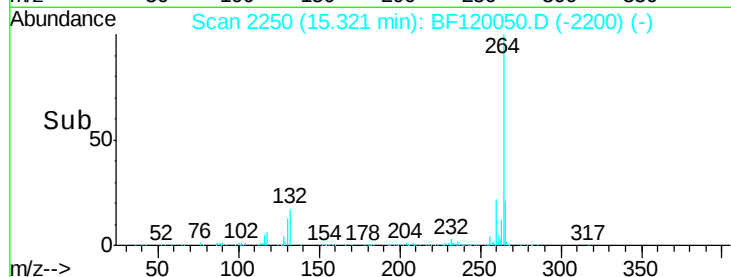
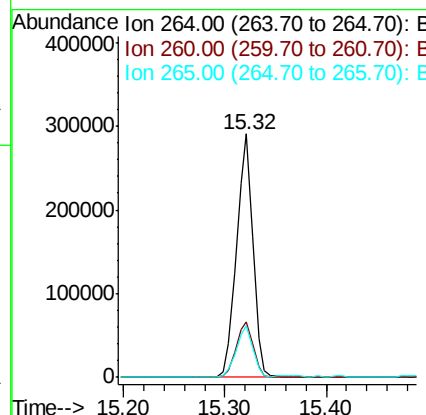
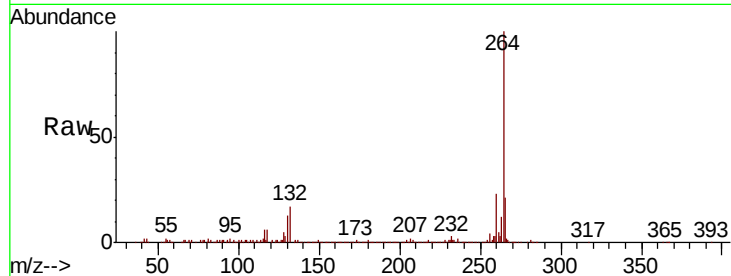
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.01 min
Lab File: BF120050.D
Acq: 17 Apr 2020 11:12

Instrument :
BNA_F
ClientSampleId :
TP-28

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.3	28.9
265	21.4	17.6	26.4

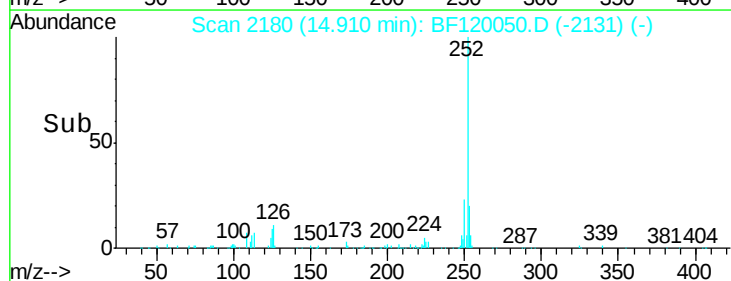
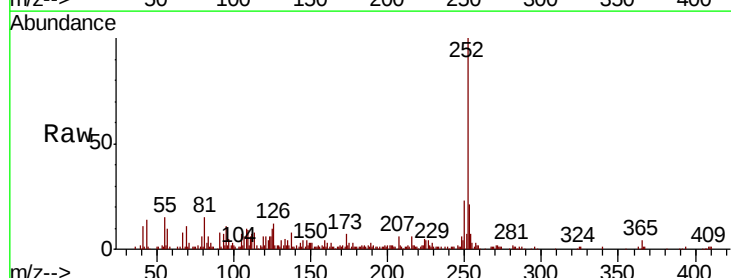
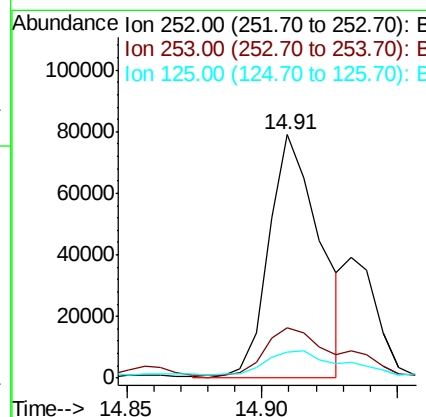
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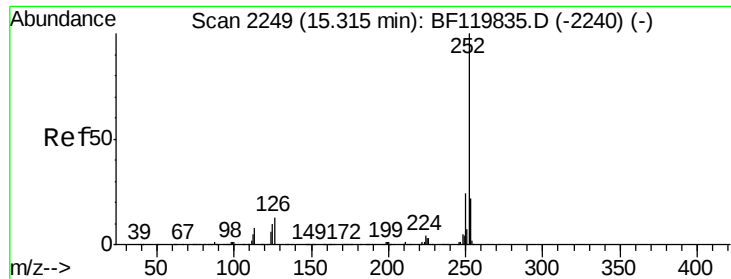
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#88
Benzo(b)fluoranthene
Concen: 4.386 ng m
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF120050.D
Acq: 17 Apr 2020 11:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.7	26.5
125	10.5	7.4	11.2





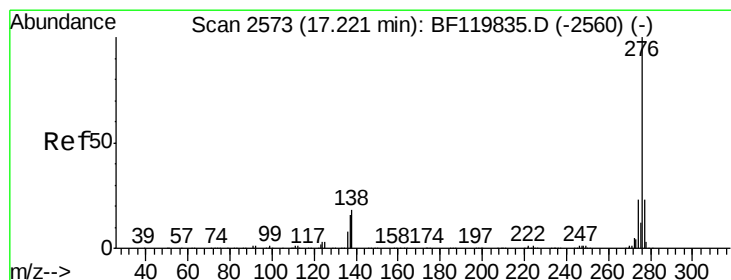
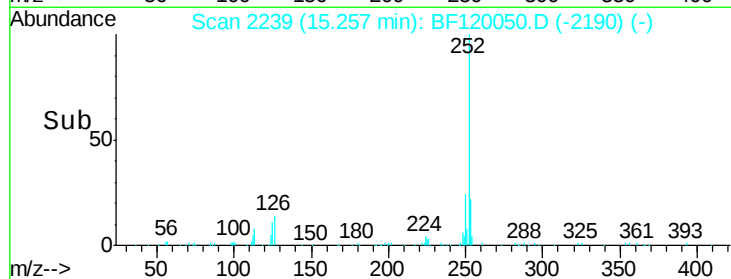
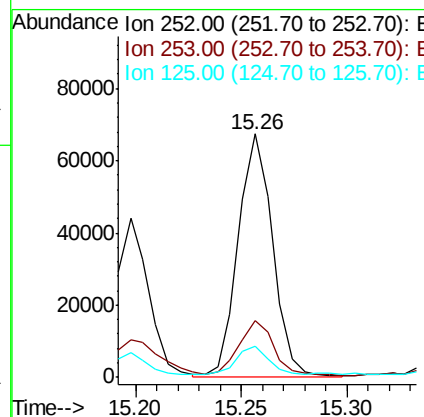
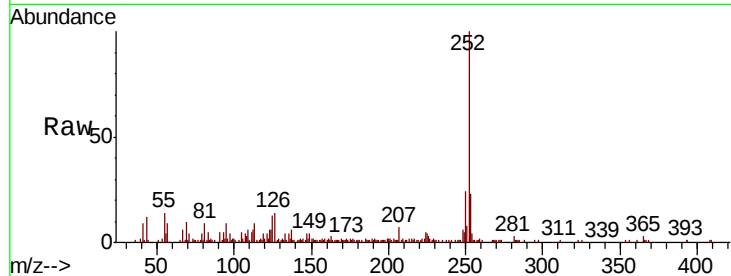
#90
Benzo(a)pyrene
Concen: 3.859 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF120050.D
Acq: 17 Apr 2020 11:12

Instrument :
BNA_F
ClientSampled :
TP-28

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.2
125	13.0	8.3	12.5#

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#92
Benzo(g,h,i)perylene
Concen: 2.856 ng
RT: 17.12 min Scan# 2555
Delta R.T. -0.03 min
Lab File: BF120050.D
Acq: 17 Apr 2020 11:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.5	27.7
138	20.8	14.6	22.0

