

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
 Data File : BF120080.D
 Acq On : 20 Apr 2020 16:23
 Operator : MA/SJ
 Sample : L2314-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WB-2-1

Manual Integrations
 APPROVED

Quant Time: Apr 20 17:37:00 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 14:10:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.71	152	156478	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	604314	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	299154	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	534927	20.00	ng	-0.01
76) Chrysene-d12	13.89	240	370077	20.00	ng	-0.01
87) Perylene-d12	15.31	264	334776	20.00	ng	-0.01

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System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	593973	65.60	ng	0.00
7) Phenol-d6	6.35	99	778716	66.74	ng	-0.01
23) Nitrobenzene-d5	7.28	82	511511	43.79	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	207002	56.52	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	1040074	49.36	ng	0.00
79) Terphenyl-d14	12.83	244	1029319	46.80	ng	-0.01

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Target Compounds

						Qvalue
31) Naphthalene	8.02	128	67097	2.110	ng	96
50) Dimethylphthalate	9.47	163	213647	9.233	ng	99
71) Phenanthrene	11.26	178	68800	2.417	ng	98
75) Fluoranthene	12.46	202	86529	2.817	ng	95
78) Pyrene	12.68	202	98410	3.154	ng	100
81) Benzo(a)anthracene	13.87	228	56014	2.301	ng	# 85
83) Chrysene	13.91	228	55805	2.256	ng	# 94
86) Indeno(1,2,3-cd)pyrene	16.69	276	44633	2.047	ng	95
88) Benzo(b)fluoranthene	14.90	252	82220m	3.414	ng	
90) Benzo(a)pyrene	15.24	252	60454	2.986	ng	# 94
92) Benzo(g,h,i)perylene	17.10	276	44617	2.520	ng	95

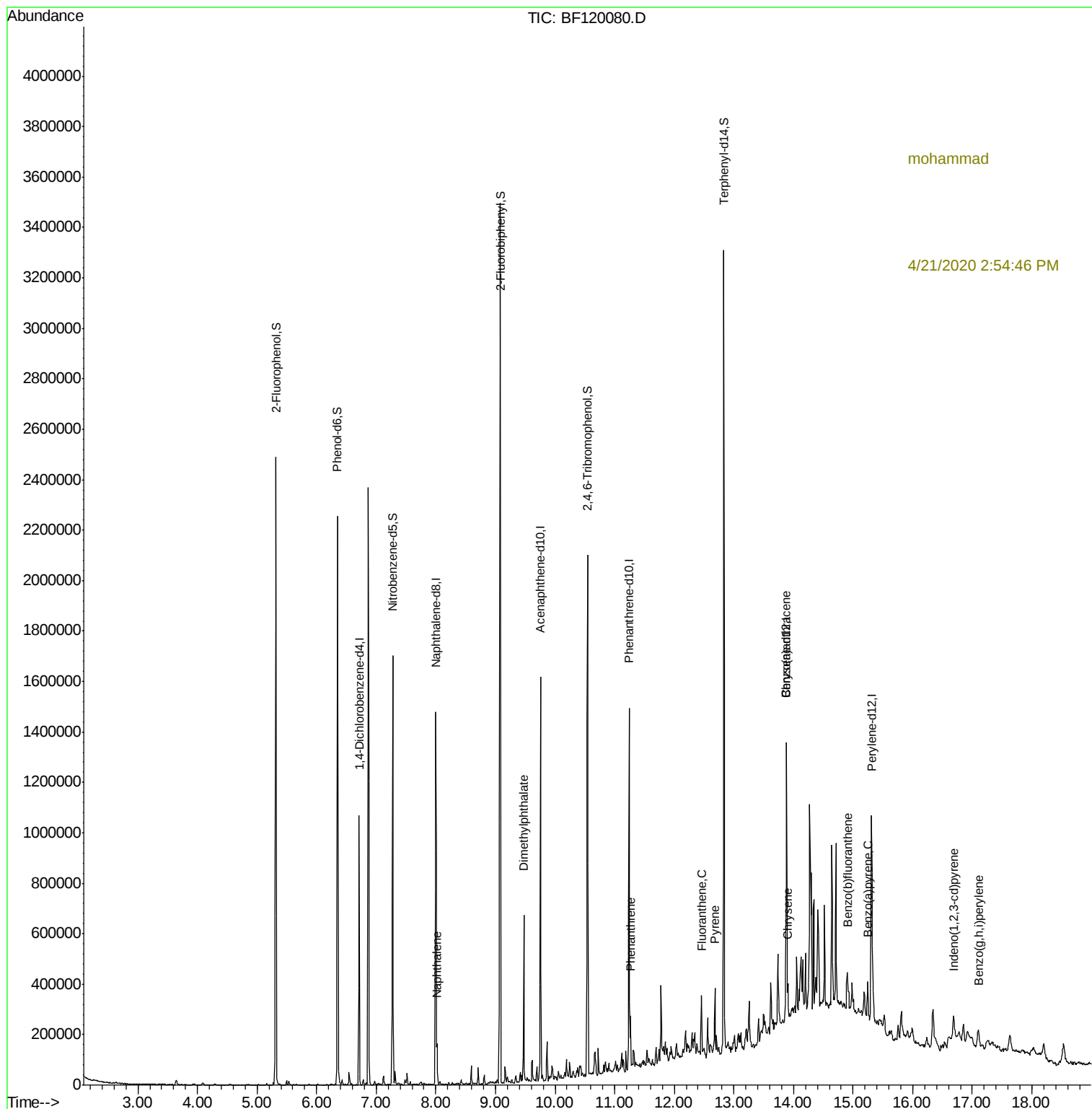
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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APPROVED

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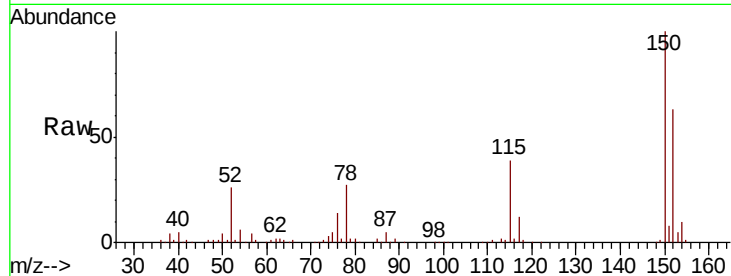
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF120080.D
Acq: 20 Apr 2020 16:23

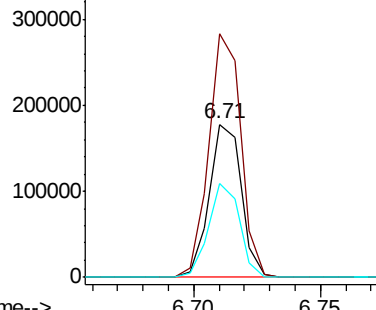
Instrument :
BNA_F
ClientSampleId :
WB-2-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.8	187.2
115	61.2	46.5	69.7

Manual Integrations
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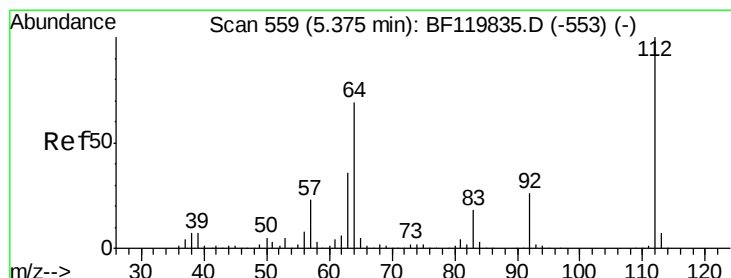
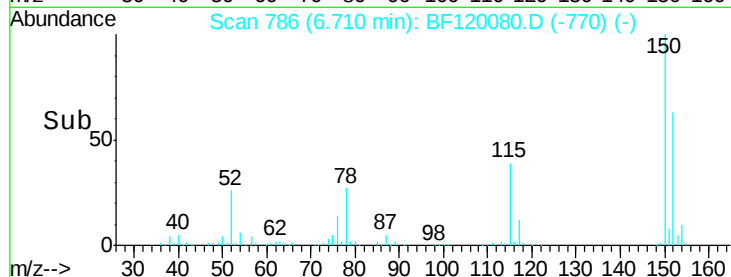


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



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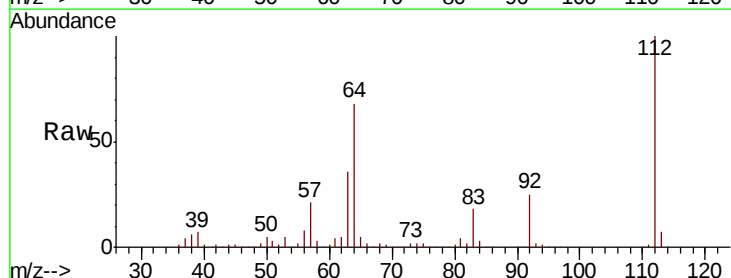
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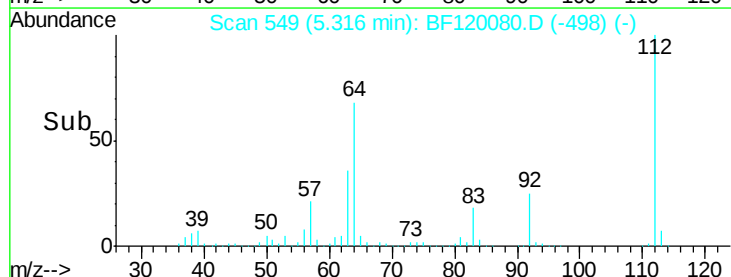
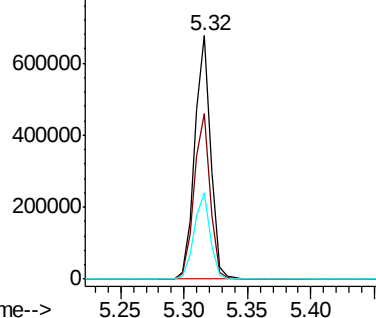
#5

2-Fluorophenol
Concen: 65.600 ng
RT: 5.32 min Scan# 549
Delta R.T. 0.00 min
Lab File: BF120080.D
Acq: 20 Apr 2020 16:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.9	55.5	83.3
63	35.6	29.1	43.7



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: 66.744 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF120080.D

Acq: 20 Apr 2020 16:23

Instrument :

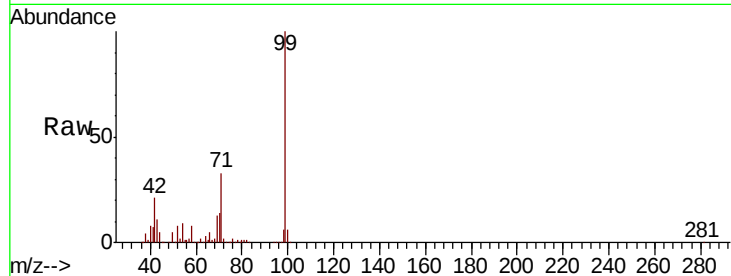
BNA_F

ClientSampled :

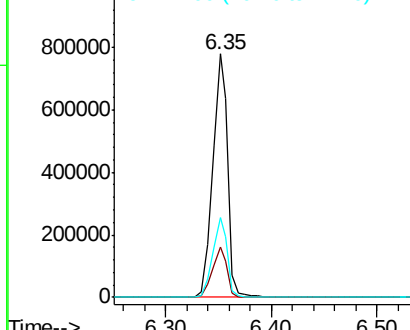
WB-2-1

Tot Ion:	99	Resp:	778716
Ion Ratio	Lower	Upper	
99	100		
42	20.9	16.9	25.3
71	32.7	26.3	39.5

Manual Integrations
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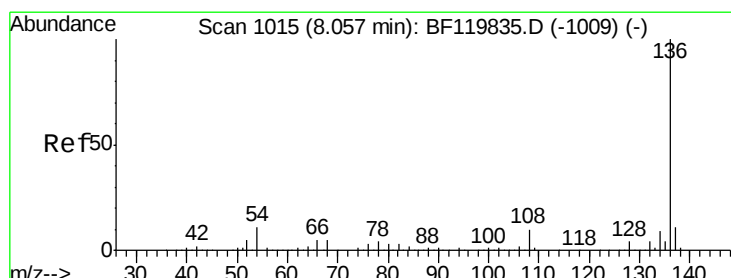
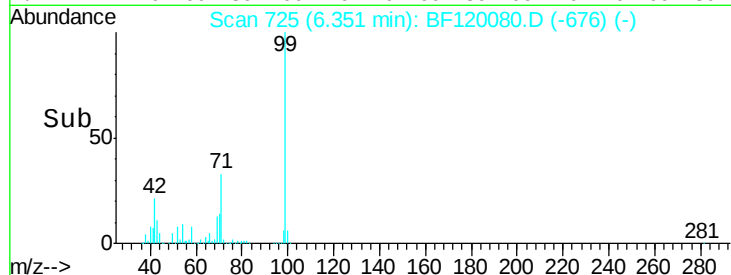


Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 1005

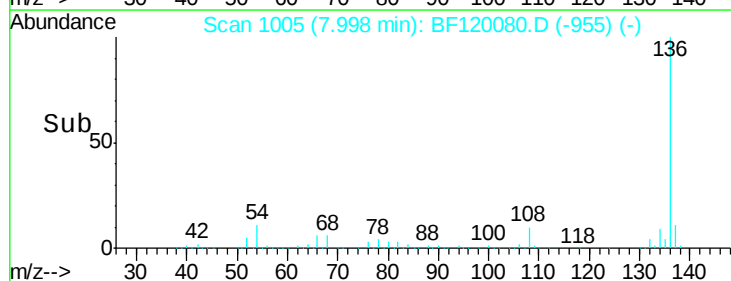
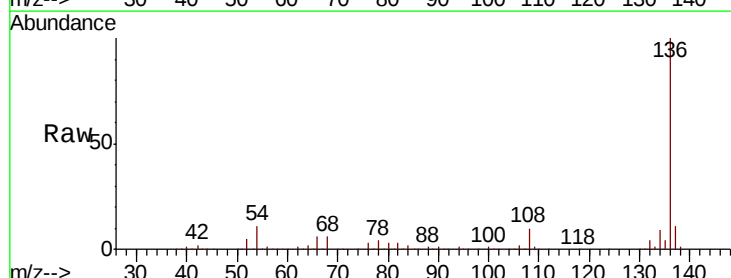
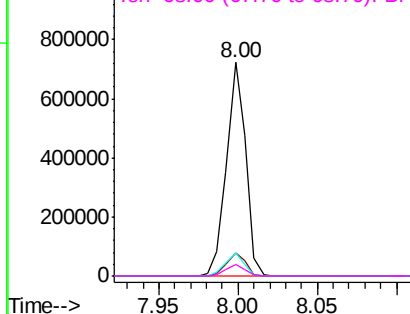
Delta R.T. -0.01 min

Lab File: BF120080.D

Acq: 20 Apr 2020 16:23

Tgt Ion:	136	Resp:	604314
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.7	13.1
54	10.7	8.5	12.7
68	5.5	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



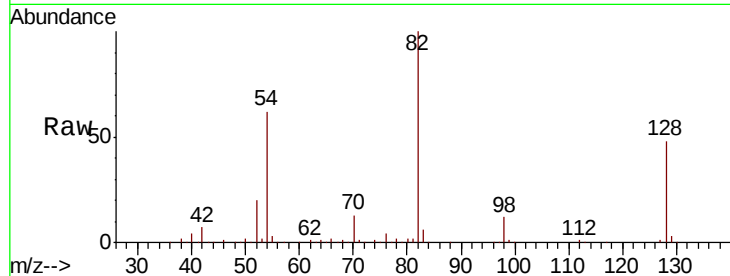


#23
Nitrobenzene-d5
Concen: 43.789 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF120080.D
Acq: 20 Apr 2020 16:23

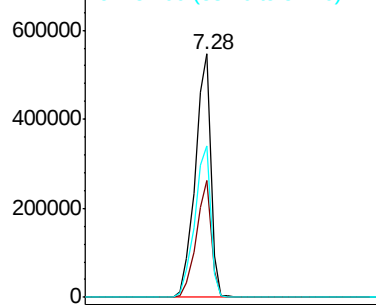
Instrument :
BNA_F
ClientSampled :
WB-2-1

Tot Ion	Ratio	Resp	Lower	Upper
82	100	511511		
128	48.1	36.2	54.4	
54	62.4	50.4	75.6	

Manual Integrations
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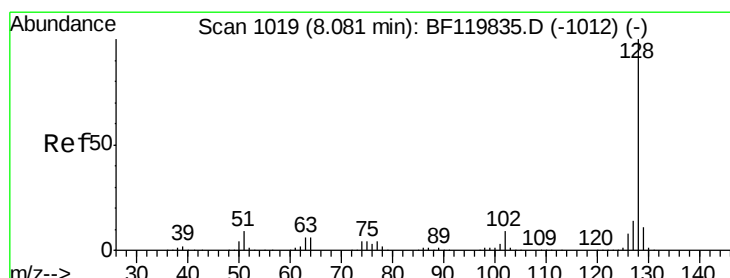
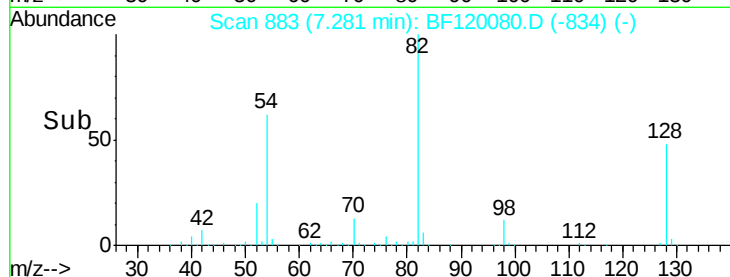


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1



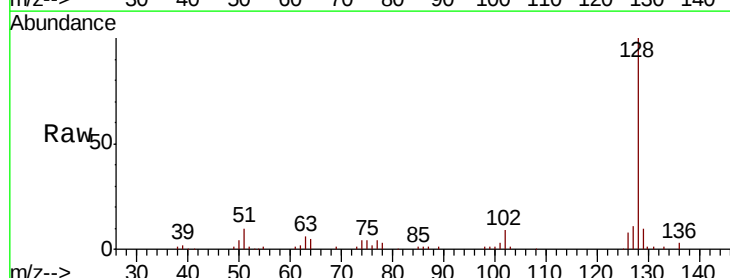
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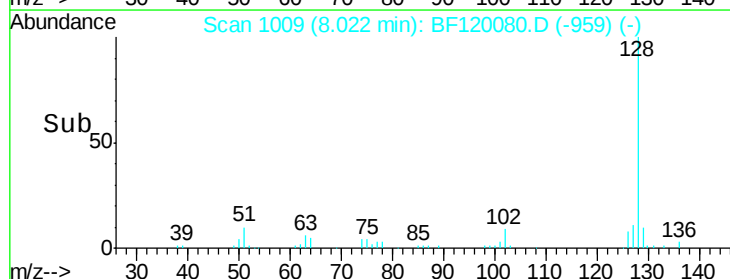
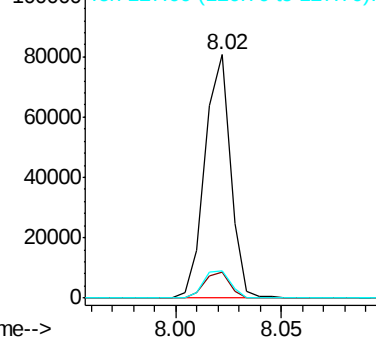


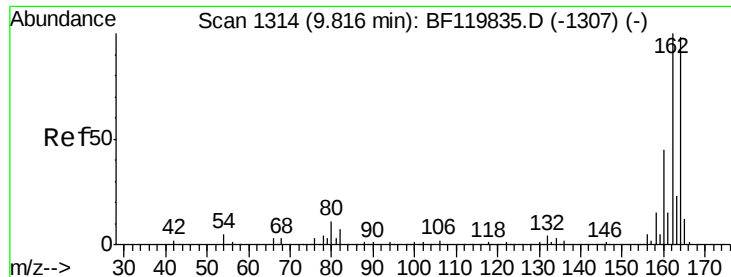
#31
Naphthalene
Concen: 2.110 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF120080.D
Acq: 20 Apr 2020 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	67097		
129	10.5	9.0	13.6	
127	11.4	11.0	16.4	



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



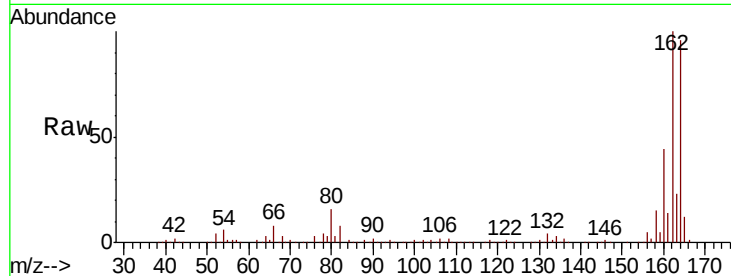


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF120080.D
Acq: 20 Apr 2020 16:23

Instrument :
BNA_F
ClientSampleId :
WB-2-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.9	81.9	122.9
160	45.7	36.6	54.8

Manual Integrations
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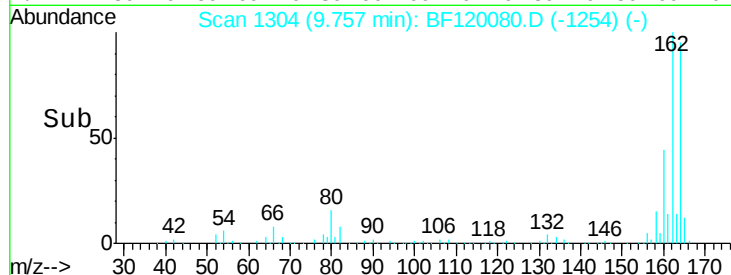
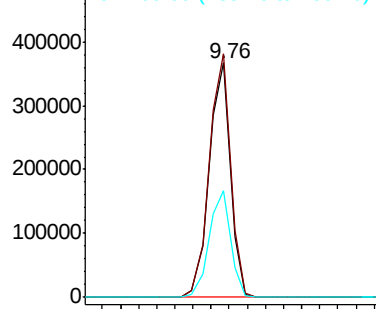


Abundance

Ion 164.00 (163.70 to 164.70): E

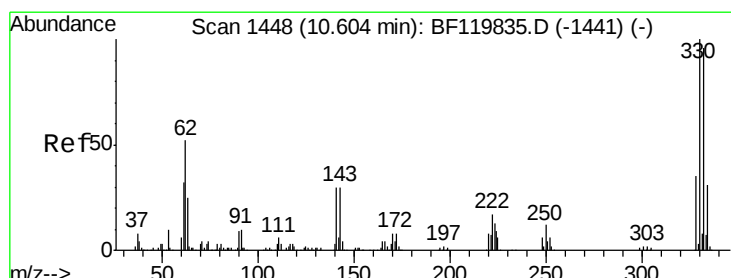
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



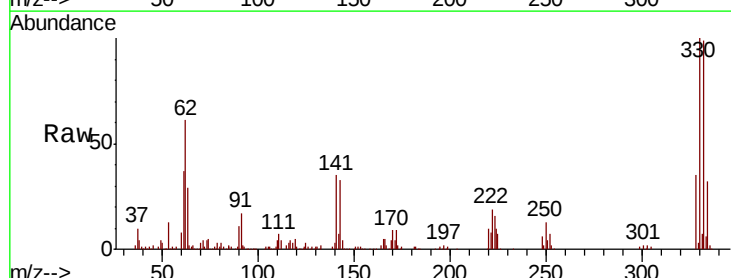
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#42
2,4,6-Tribromophenol
Concen: 56.517 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF120080.D
Acq: 20 Apr 2020 16:23

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	76.8	115.2
141	36.0	25.1	37.7

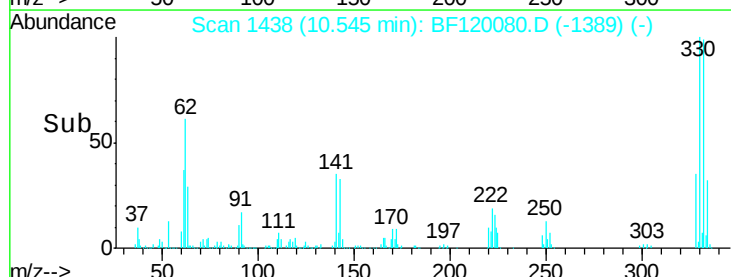
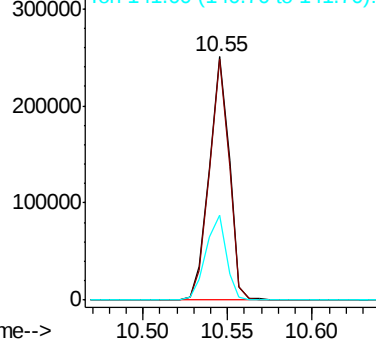


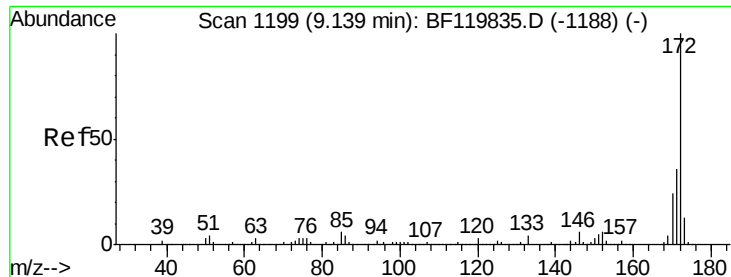
Abundance

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



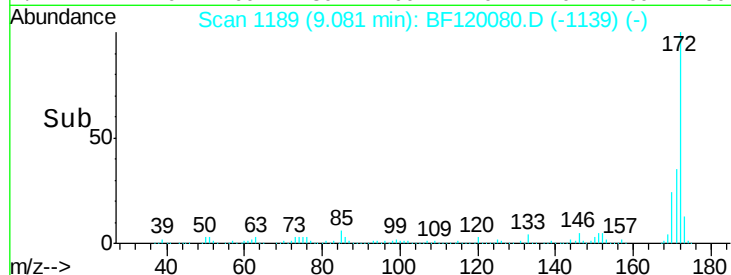
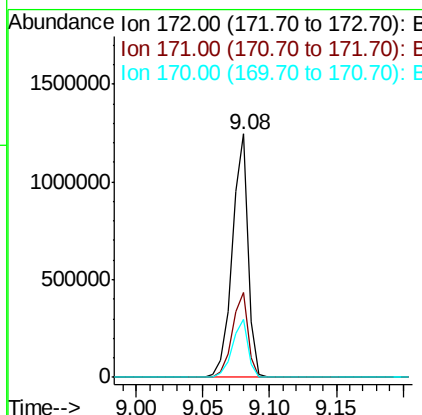
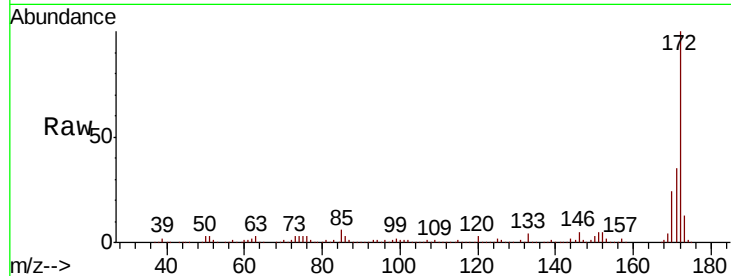


#45
2-Fluorobiphenyl
Concen: 49.362 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF120080.D
Acq: 20 Apr 2020 16:23

Instrument :
BNA_F
ClientSampled :
WB-2-1

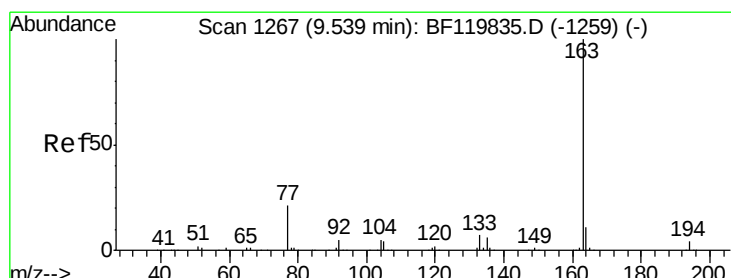
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.9	43.3
170	23.6	19.4	29.2

Manual Integrations
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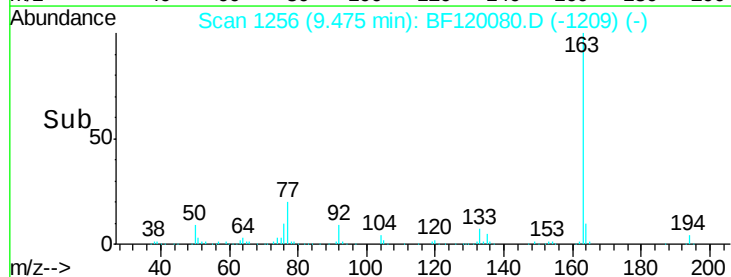
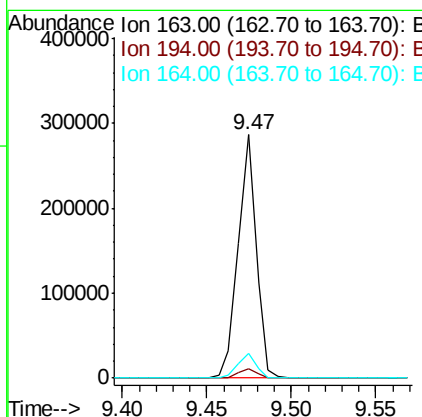
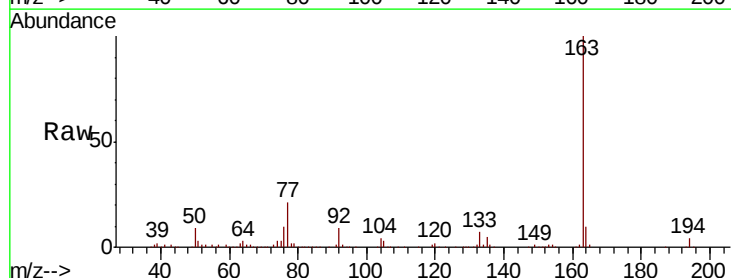
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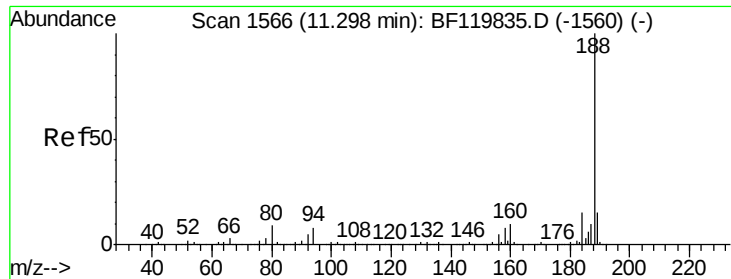
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#50
Dimethylphthalate
Concen: 9.233 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF120080.D
Acq: 20 Apr 2020 16:23

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.4
164	10.1	8.4	12.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF120080.D

Acq: 20 Apr 2020 16:23

Instrument :

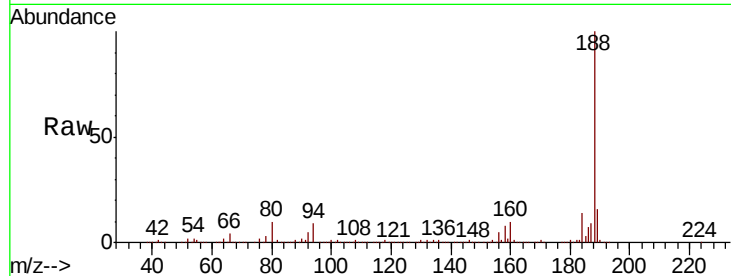
BNA_F

ClientSampled :

WB-2-1

Tot Ion:	188	Resp:	534927
Ion Ratio		Lower	Upper
188	100		
94	9.1	6.7	10.1
80	10.1	7.4	11.2

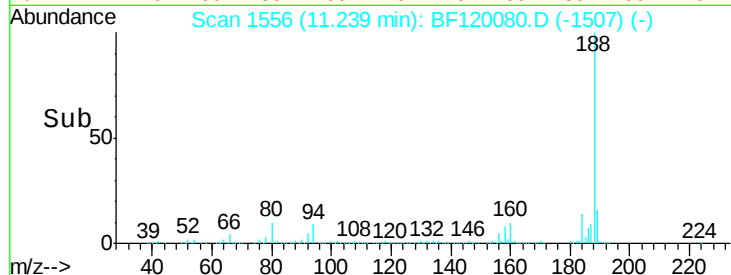
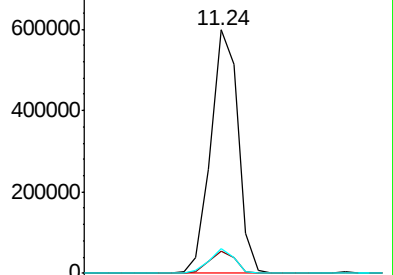
Manual Integrations
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Abundance Ion 188.00 (187.70 to 188.70): E

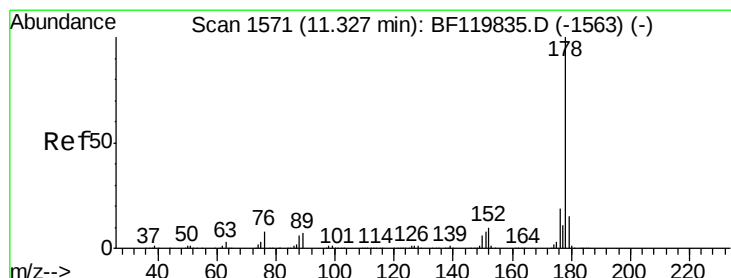
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



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#71

Phenanthrene

Concen: 2.417 ng

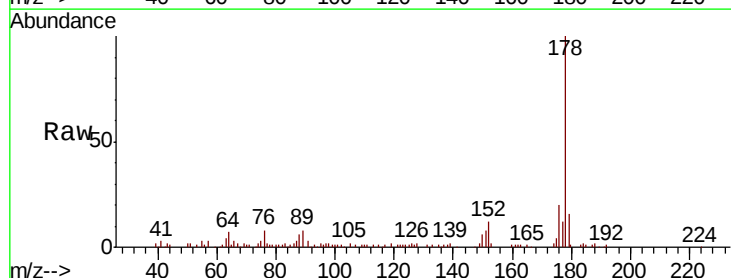
RT: 11.26 min Scan# 1560

Delta R.T. -0.02 min

Lab File: BF120080.D

Acq: 20 Apr 2020 16:23

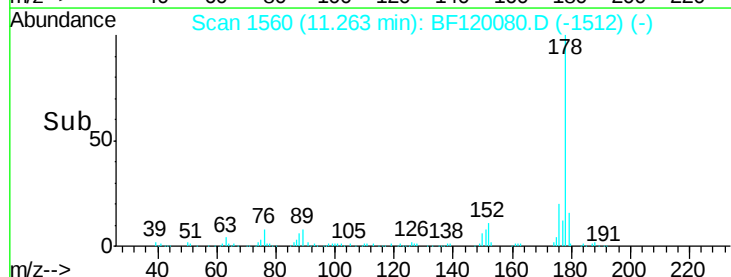
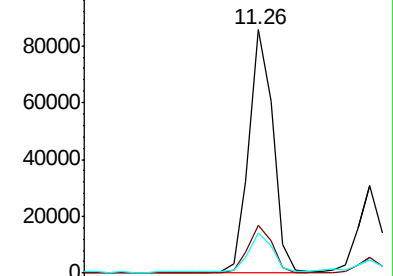
Tgt Ion:	178	Resp:	68800
Ion Ratio		Lower	Upper
178	100		
176	19.5	15.1	22.7
179	16.2	12.2	18.4

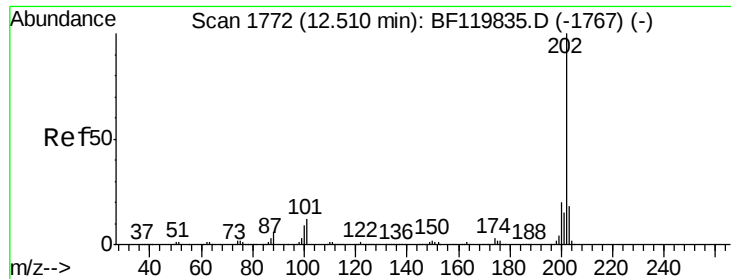


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 2.817 ng

RT: 12.46 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF120080.D

Acq: 20 Apr 2020 16:23

Instrument :

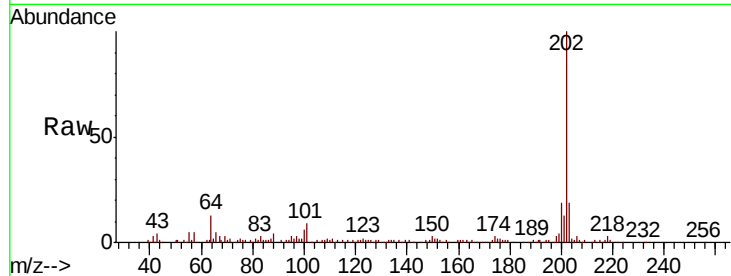
BNA_F

ClientSampled :

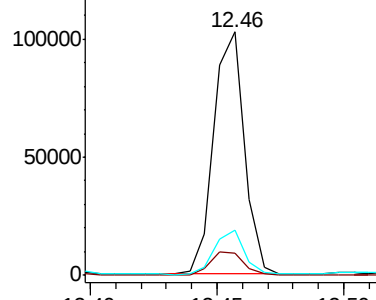
WB-2-1

Tot Ion:	202	Resp:	86529
Ion Ratio	Lower	Upper	
202	100		
101	9.0	0.0	32.3
203	18.7	0.0	37.6

Manual Integrations
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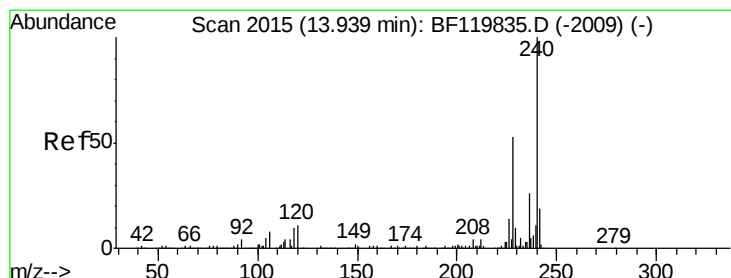
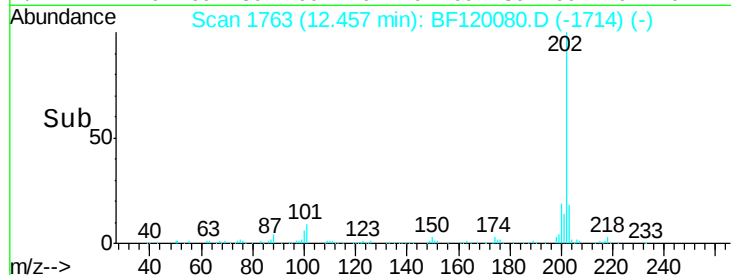


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



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#76

Chrysene-d12

Concen: 20.000 ng

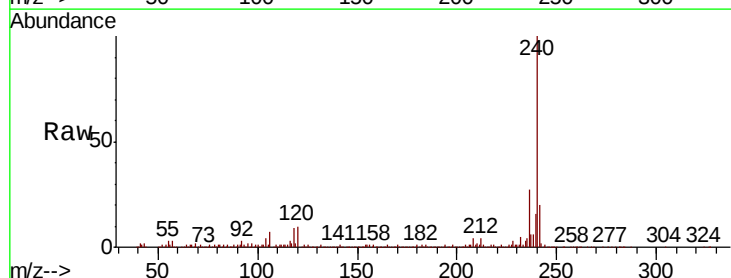
RT: 13.89 min Scan# 2006

Delta R.T. -0.01 min

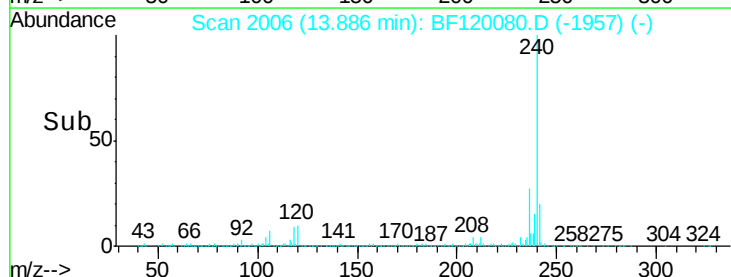
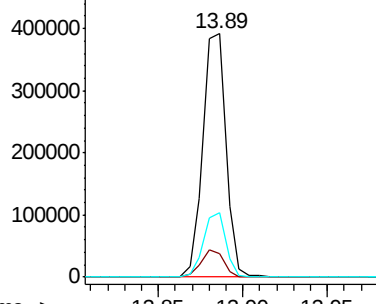
Lab File: BF120080.D

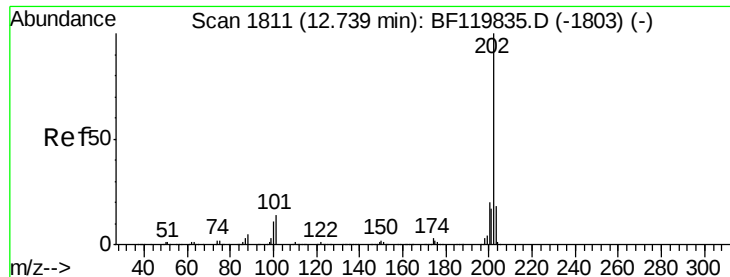
Acq: 20 Apr 2020 16:23

Tgt Ion:	240	Resp:	370077
Ion Ratio	Lower	Upper	
240	100		
120	9.8	9.0	13.6
236	26.6	20.7	31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



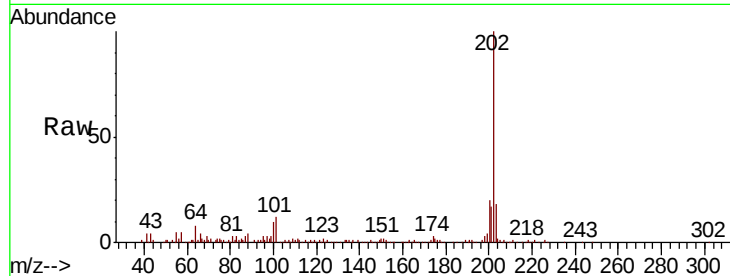


#78
Pvrene
Concen: 3.154 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.02 min
Lab File: BF120080.D
Acq: 20 Apr 2020 16:23

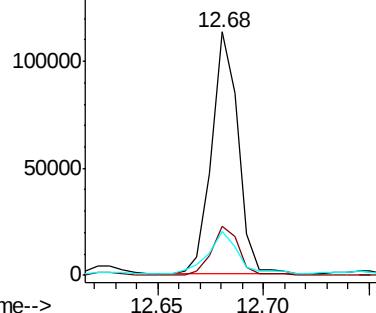
Instrument :
BNA_F
ClientSampled :
WB-2-1

Tot Ion:	202	Resp:	98410
Ion Ratio	Lower	Upper	
202	100		
200	20.3	16.2	24.2
203	17.9	14.1	21.1

Manual Integrations
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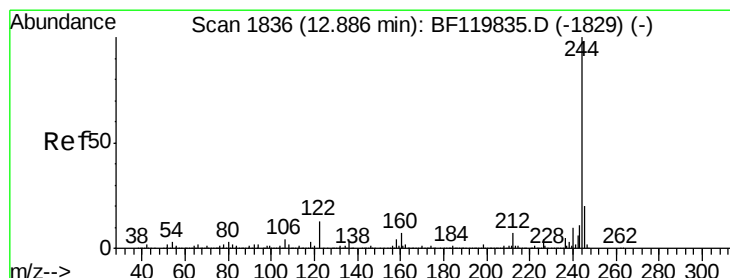
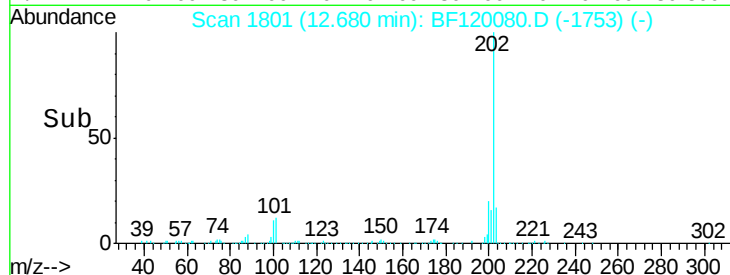


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



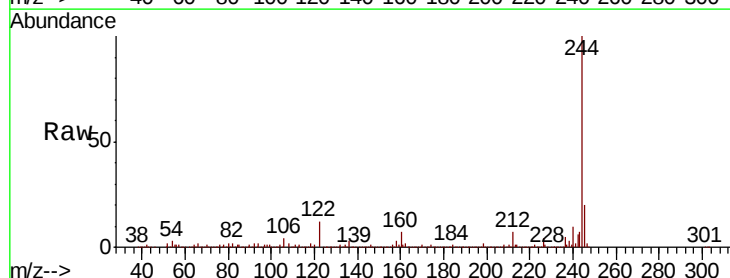
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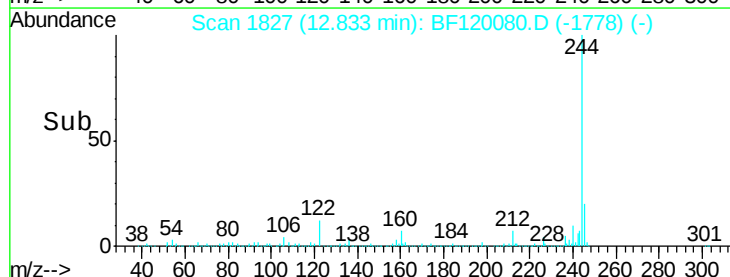
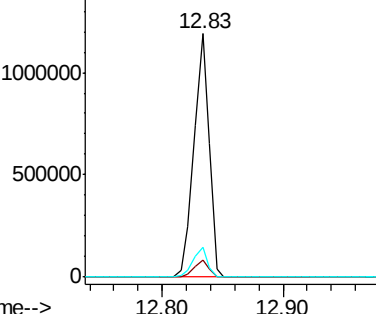


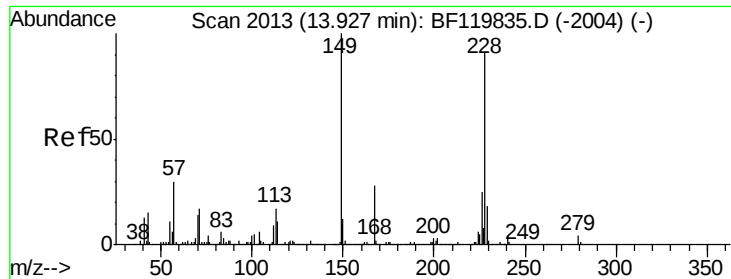
#79
Terphenyl-d14
Concen: 46.801 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BF120080.D
Acq: 20 Apr 2020 16:23

Tgt Ion:	244	Resp:	1029319
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.0
122	12.0	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



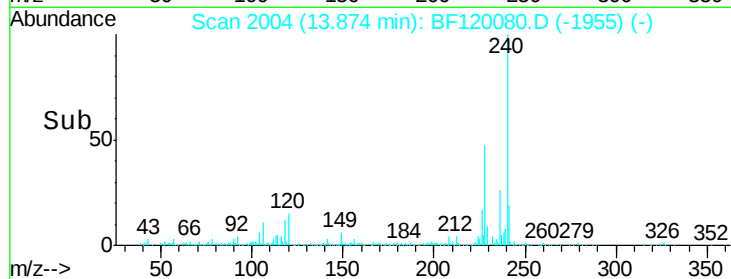
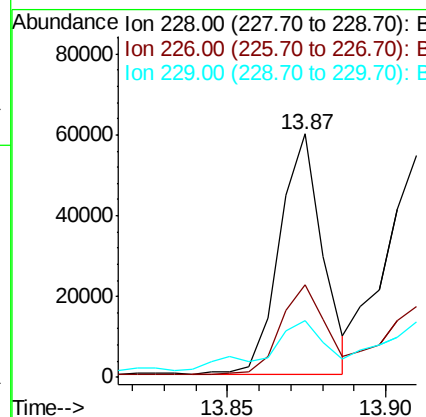
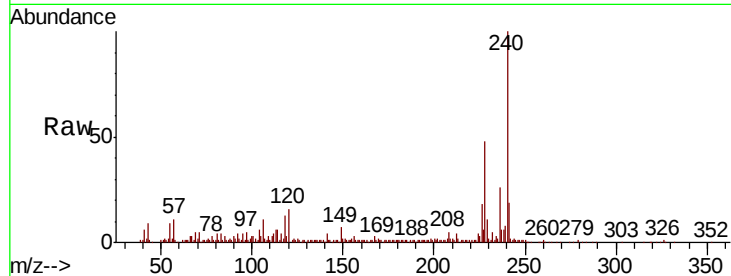


#81
Benzo(a)anthracene
Concen: 2.301 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF120080.D
Acq: 20 Apr 2020 16:23

Instrument :
BNA_F
ClientSampleId :
WB-2-1

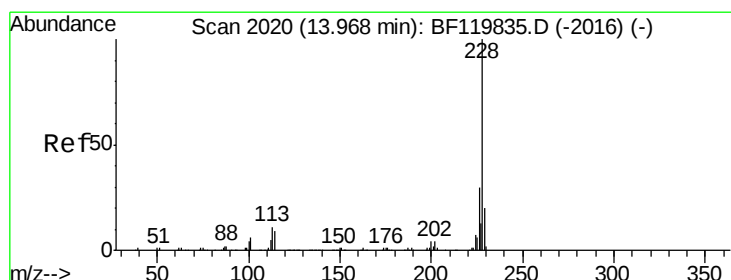
Tot Ion	Ratio	Lower	Upper
228	100		
226	38.1	21.9	32.9#
229	23.2	15.9	23.9

Manual Integrations
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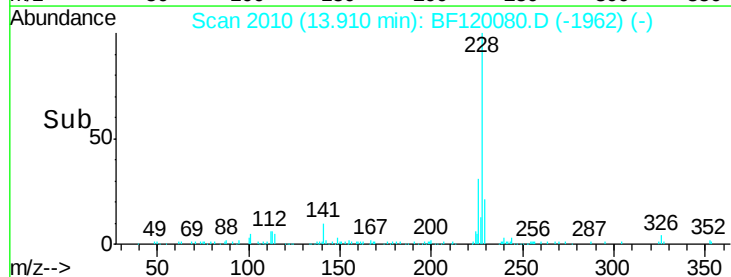
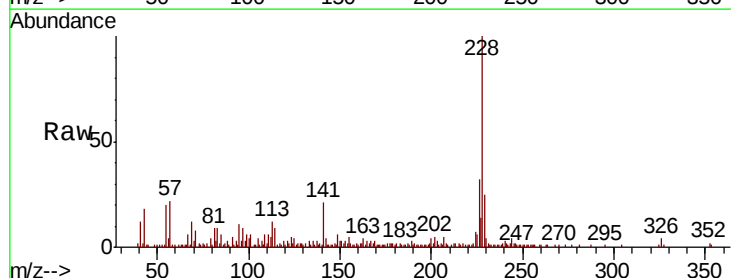
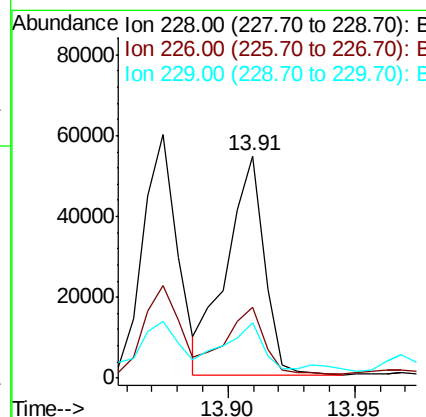
mohammad

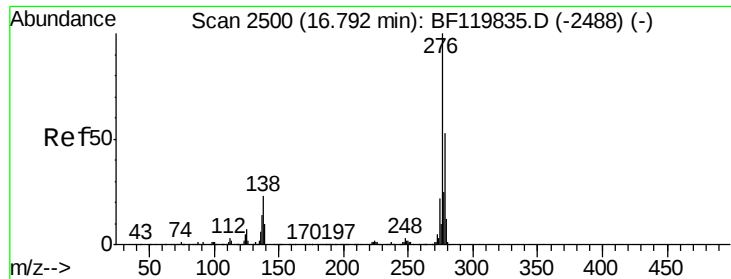
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#83
Chrysene
Concen: 2.256 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF120080.D
Acq: 20 Apr 2020 16:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.2	36.2
229	24.7	15.9	23.9#



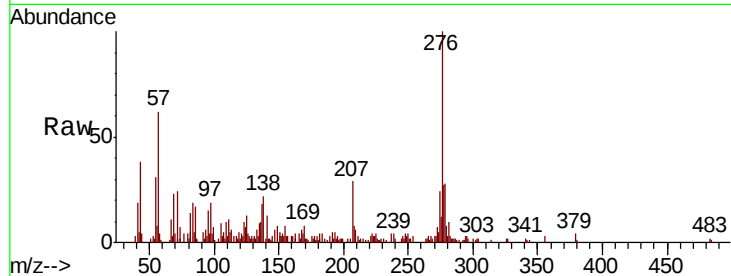


#86
Indeno(1,2,3-cd)pyrene
Concen: 2.047 ng
RT: 16.69 min Scan# 2482
Delta R.T. -0.04 min
Lab File: BF120080.D
Acq: 20 Apr 2020 16:23

Instrument :
BNA_F
ClientSampled :
WB-2-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.1	18.0	27.0
277	28.3	20.1	30.1

Manual Integrations
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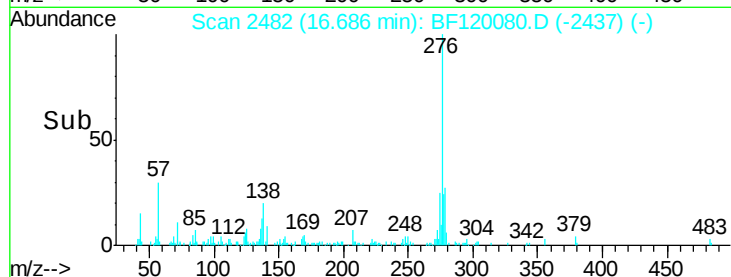
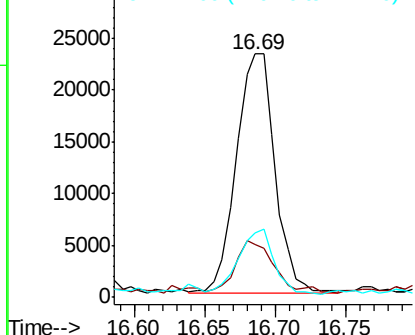


Abundance

Ion 276.00 (275.70 to 276.70): E

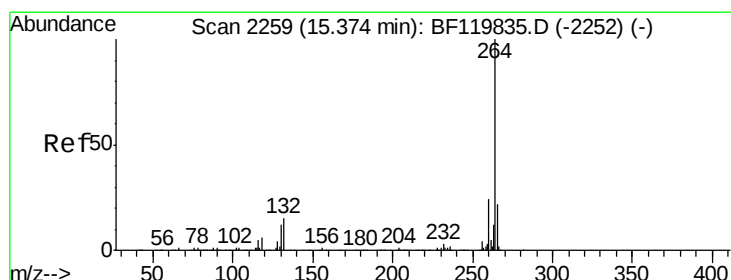
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



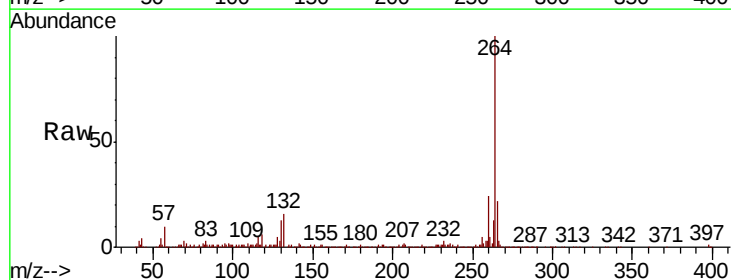
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. -0.01 min
Lab File: BF120080.D
Acq: 20 Apr 2020 16:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.3	28.9
265	21.6	17.6	26.4

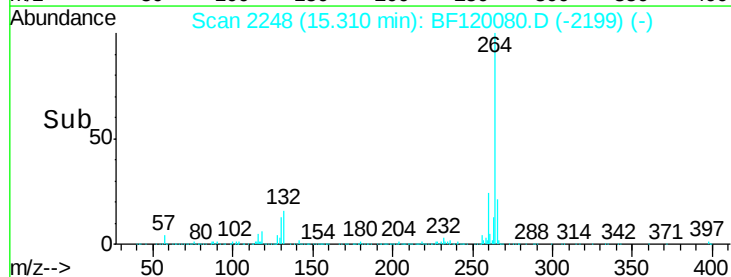
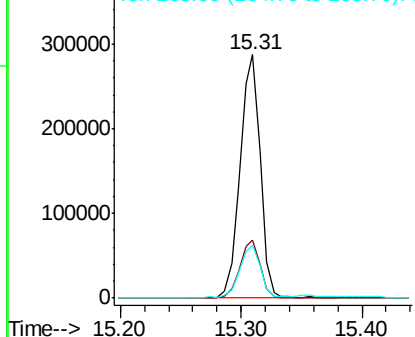


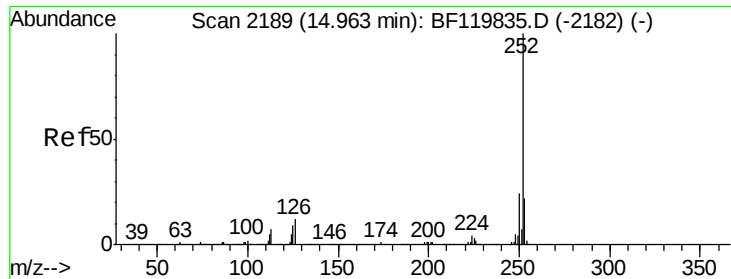
Abundance

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



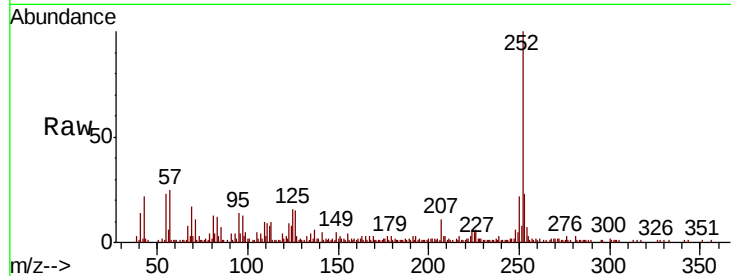


#88
Benzo(b)fluoranthene
Concen: 3.414 ng/mL
RT: 14.90 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF120080.D
Acq: 20 Apr 2020 16:23

Instrument :
BNA_F
ClientSampled :
WB-2-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	15.6	7.4	11.2

Manual Integrations
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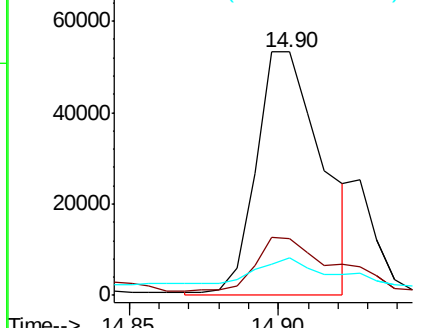


Abundance

Ion 252.00 (251.70 to 252.70): E

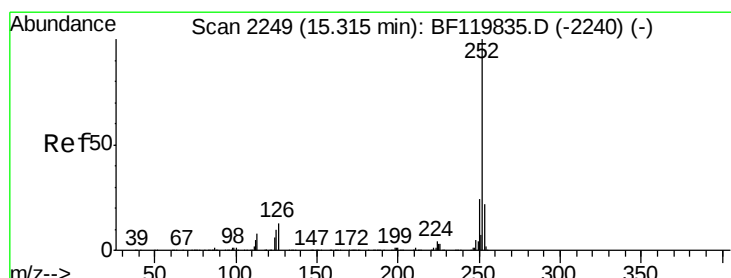
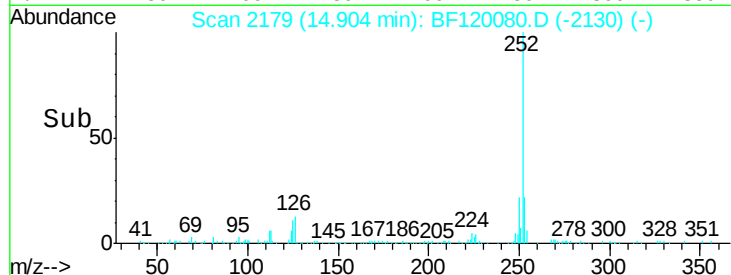
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



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#90
Benzo(a)pyrene
Concen: 2.986 ng/mL
RT: 15.24 min Scan# 2237
Delta R.T. -0.02 min
Lab File: BF120080.D
Acq: 20 Apr 2020 16:23

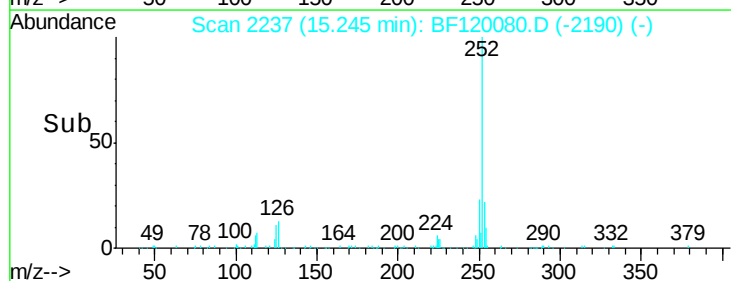
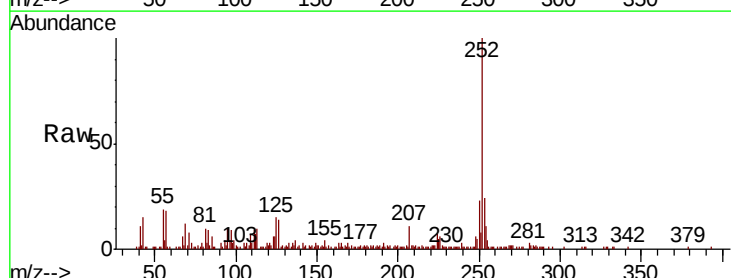
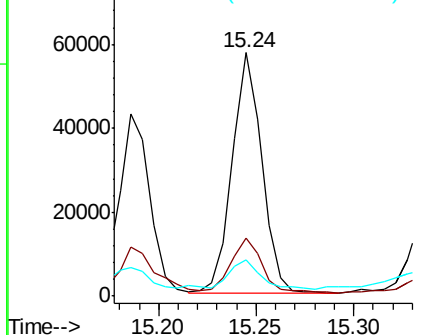
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.2
125	14.9	8.3	12.5

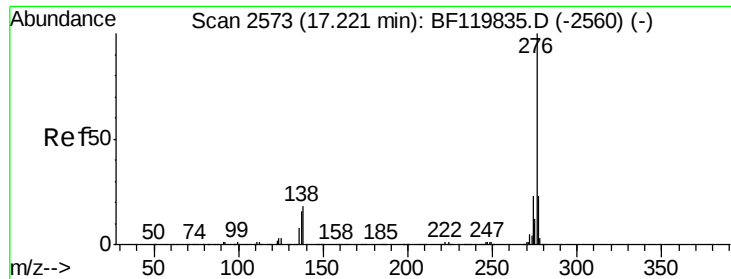
Abundance

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



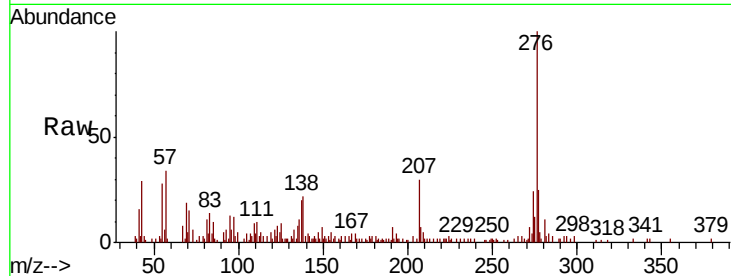


#92
 Benzo(a,h,i)perylene
 Concen: 2.520 ng
 RT: 17.10 min Scan# 2553
 Delta R.T. -0.04 min
 Lab File: BF120080.D
 Acq: 20 Apr 2020 16:23

Instrument :
 BNA_F
 ClientSampleId :
 WB-2-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.5	27.7
138	21.6	14.6	22.0

Manual Integrations
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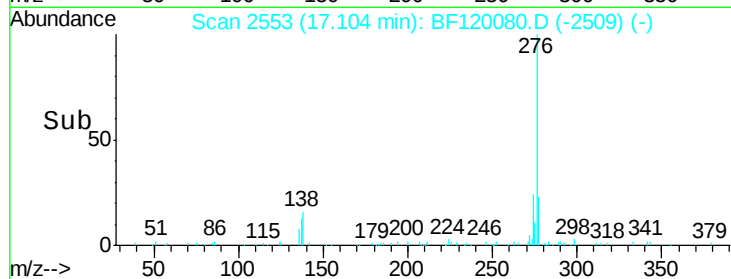
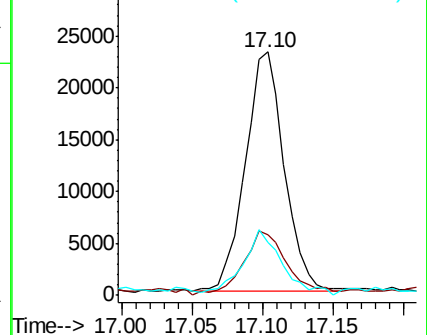


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E



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