

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052820\
 Data File : BF120421.D
 Acq On : 28 May 2020 21:26
 Operator : MA/SJ
 Sample : L2744-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NM53-COMP-2020-0-6

Manual Integrations
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Quant Time: May 29 08:29:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 13:47:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	233277	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	812914	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	383788	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	653582	20.00	ng	0.00
76) Chrysene-d12	13.99	240	547163	20.00	ng	0.00
86) Perylene-d12	15.45	264	511245	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.46	112	1229107	100.41	ng	0.00
7) Phenol-d6	6.47	99	1510799	100.14	ng	0.00
23) Nitrobenzene-d5	7.40	82	948039	76.29	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	368662	103.67	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1716016	75.86	ng	0.00
79) Terphenyl-d14	12.94	244	1689492	68.71	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.59	163	334091	13.924	ng	99
71) Phenanthrene	11.38	178	119964	4.166	ng	97
75) Fluoranthene	12.57	202	235727	7.607	ng	97
78) Pyrene	12.80	202	218408	5.740	ng	98
81) Benzo(a)anthracene	13.99	228	118672	4.047	ng	97
83) Chrysene	14.02	228	113578	3.694	ng	97
87) Indeno(1,2,3-cd)pyrene	16.88	276	59403	2.124	ng	95
88) Benzo(b)fluoranthene	15.02	252	136967m	4.823	ng	
89) Benzo(k)fluoranthene	15.05	252	53999m	2.037	ng	
90) Benzo(a)pyrene	15.38	252	98531	3.967	ng	97
92) Benzo(g,h,i)perylene	17.32	276	54194	2.410	ng	98

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

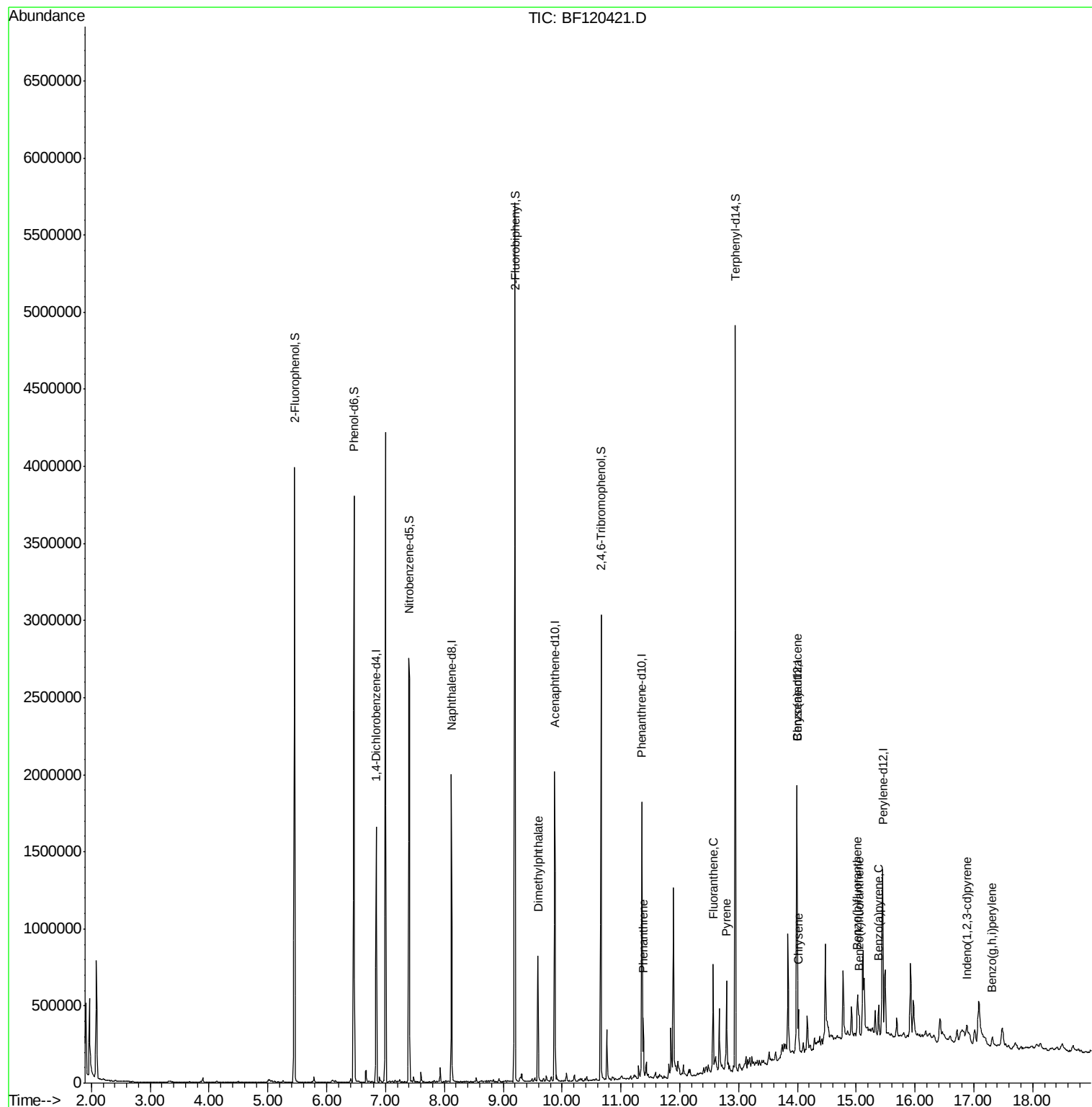
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Data File : BF120421.D
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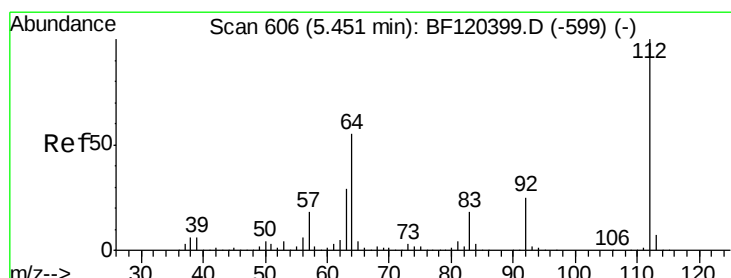
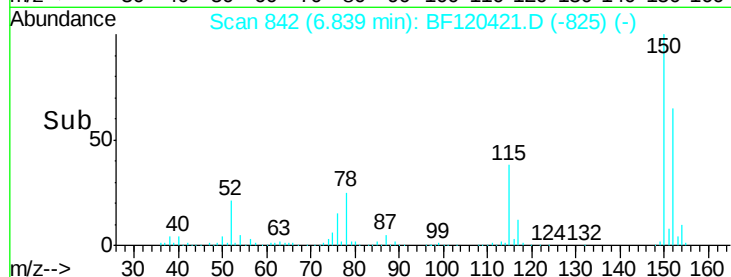
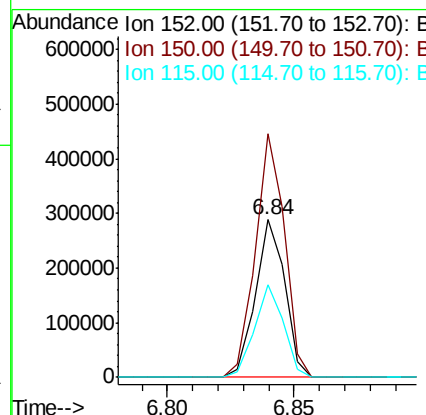
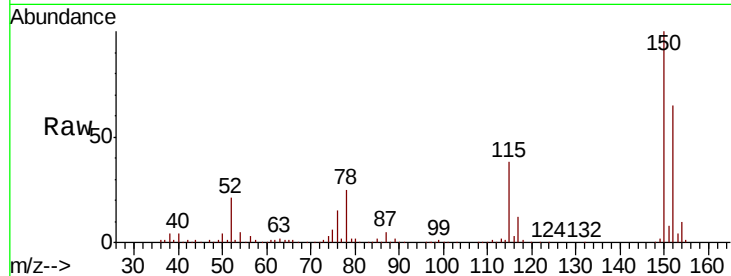
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.84 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: BF120421.D
 Acq: 28 May 2020 21:26

Instrument :
 BNA_F
 ClientSampleId :
 NM53-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	126.5	189.7
115	59.1	47.6	71.4

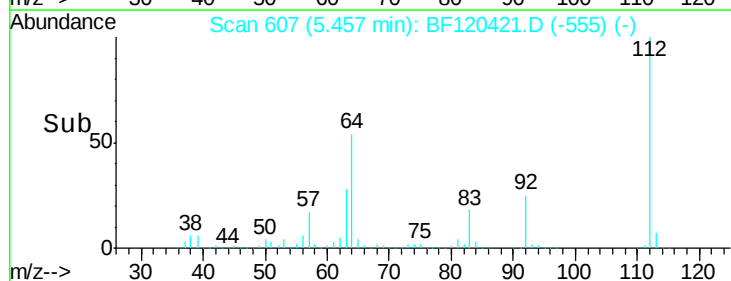
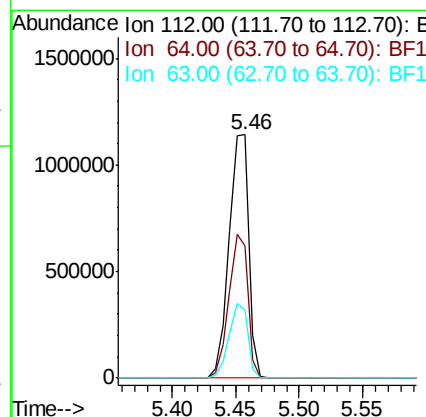
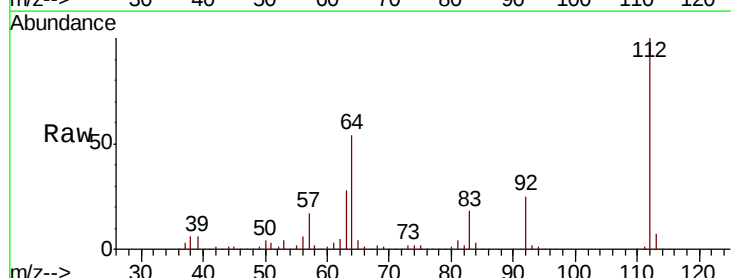
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#5
 2-Fluorophenol
 Concen: 100.411 ng
 RT: 5.46 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: BF120421.D
 Acq: 28 May 2020 21:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	44.3	66.5
63	28.1	22.9	34.3





#7

Phenol-d6

Concen: 100.135 ng

RT: 6.47 min Scan# 779

Delta R.T. 0.00 min

Lab File: BF120421.D

Acq: 28 May 2020 21:26

Instrument :

BNA_F

ClientSampleId :

NM53-COMP-2020-0-6

Tot Ion: 99 Resp: 1510799

Ion Ratio Lower Upper

99 100

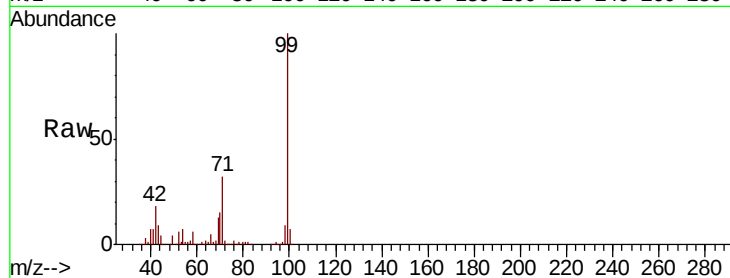
42 18.2 15.2 22.8

71 32.2 25.6 38.4

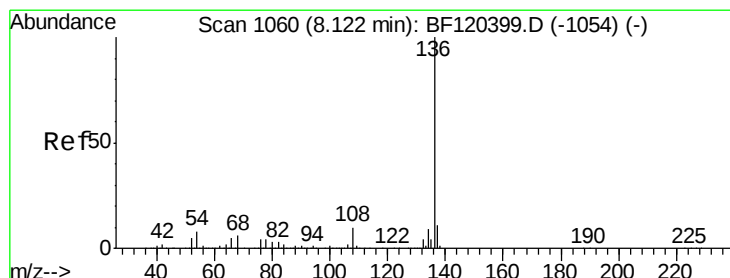
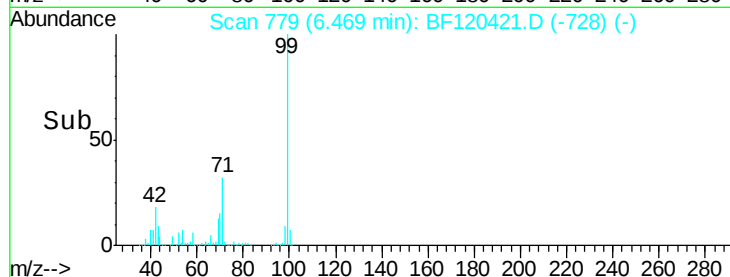
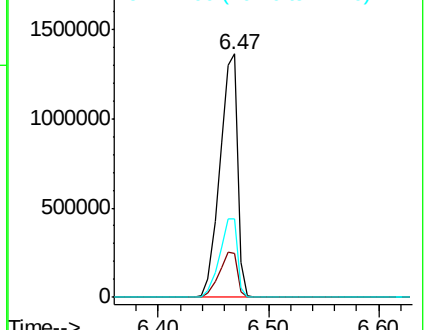
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BF120421.D

Acq: 28 May 2020 21:26

Tgt Ion: 136 Resp: 812914

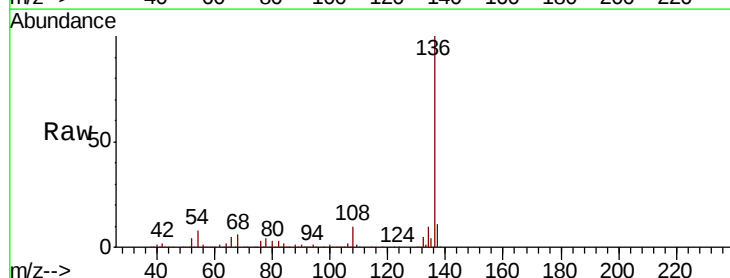
Ion Ratio Lower Upper

136 100

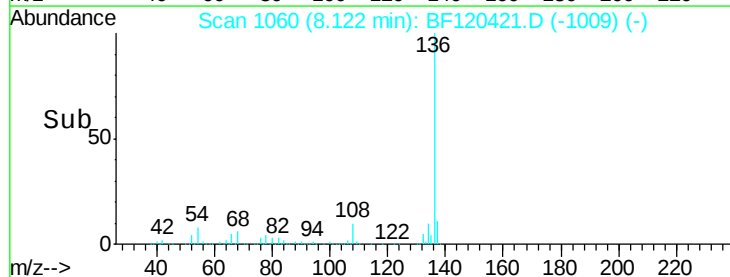
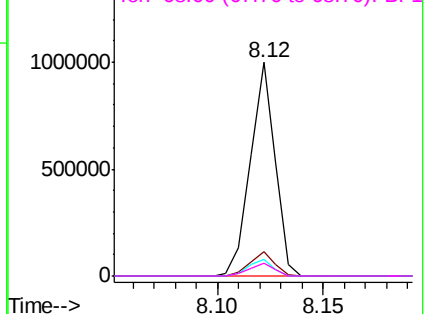
137 11.2 9.1 13.7

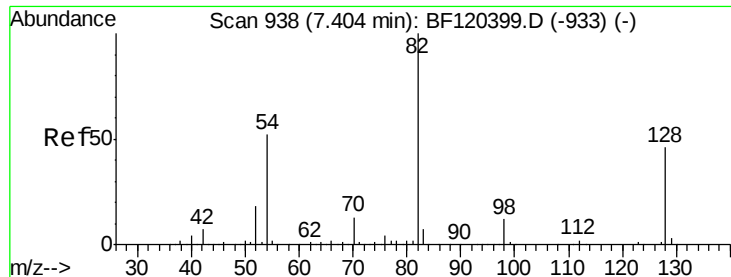
54 7.7 6.7 10.1

68 6.2 5.0 7.4



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: 76.286 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120421.D

Acq: 28 May 2020 21:26

Instrument :

BNA_F

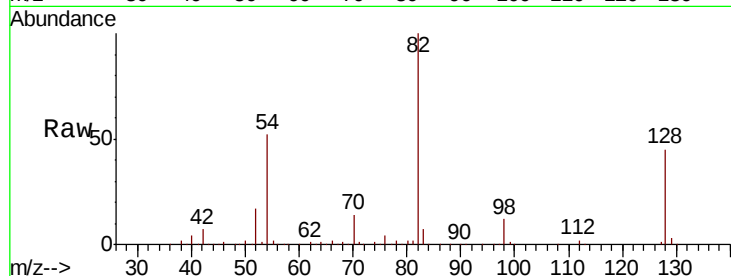
ClientSampleId :

NM53-COMP-2020-0-6

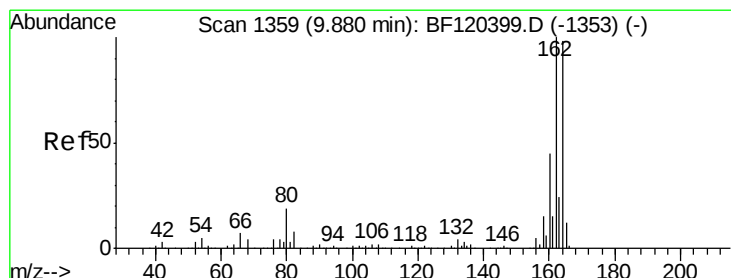
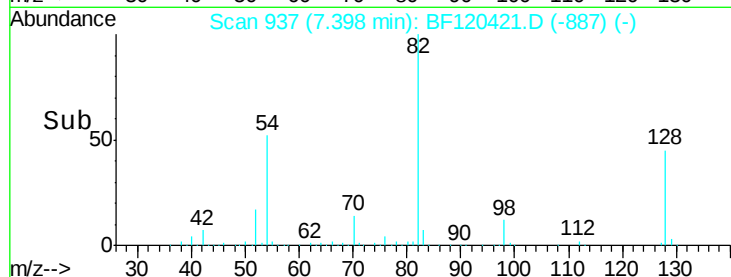
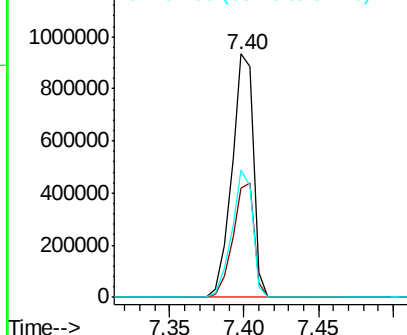
Tot Ion:	82	Resp:	948039
Ion Ratio	Lower	Upper	
82	100		
128	45.1	36.8	55.2
54	52.3	41.6	62.4

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



#39

Acenaphthene-d10

Concen: 20.000 ng

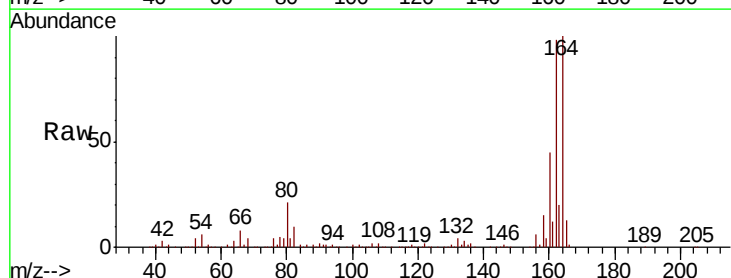
RT: 9.87 min Scan# 1358

Delta R.T. -0.01 min

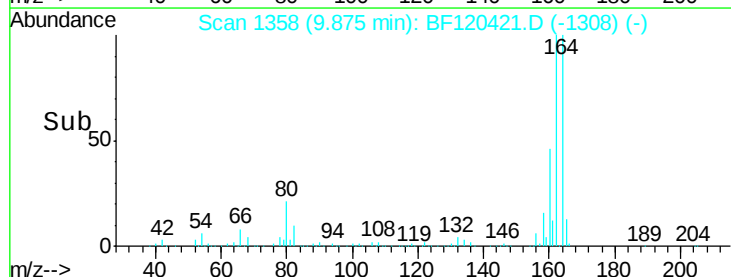
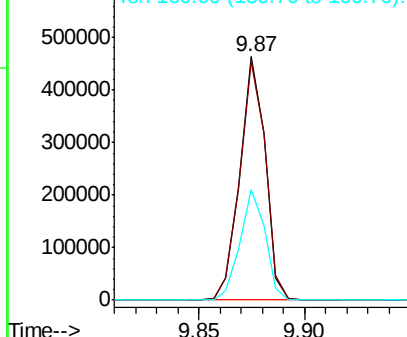
Lab File: BF120421.D

Acq: 28 May 2020 21:26

Tgt Ion:	164	Resp:	383788
Ion Ratio	Lower	Upper	
164	100		
162	97.9	81.3	121.9
160	45.2	36.9	55.3



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





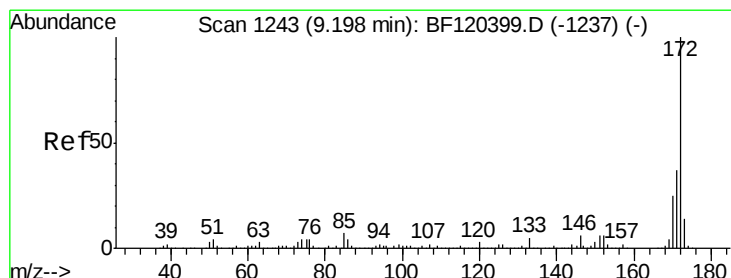
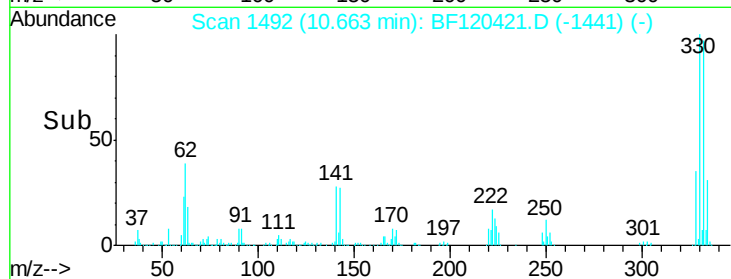
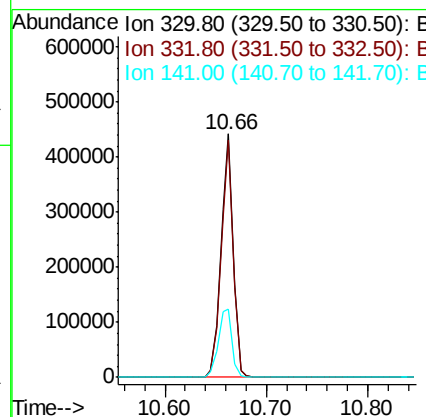
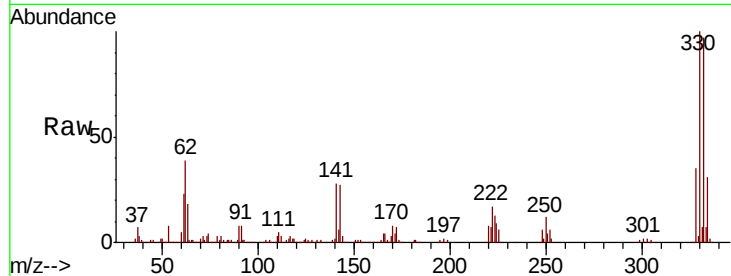
#42
 2,4,6-Tribromophenol
 Concen: 103.674 ng
 RT: 10.66 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: BF120421.D
 Acq: 28 May 2020 21:26

Instrument :
 BNA_F
 ClientSampleId :
 NM53-COMP-2020-0-6

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	77.0	115.6	
141	31.6	25.3	37.9	

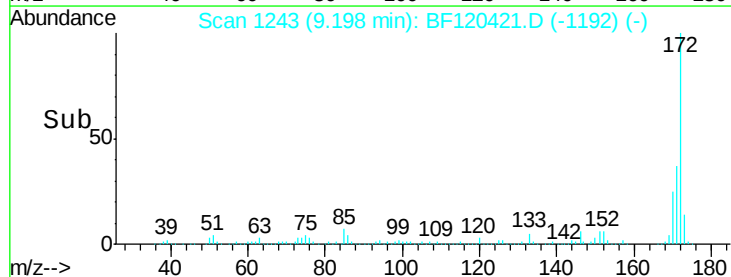
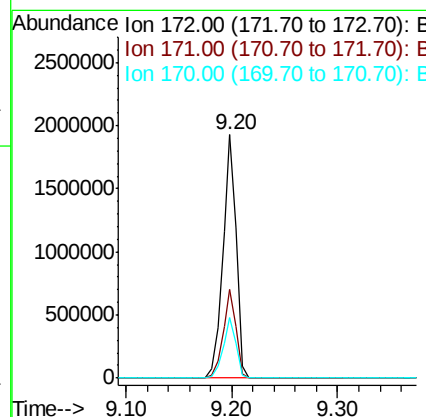
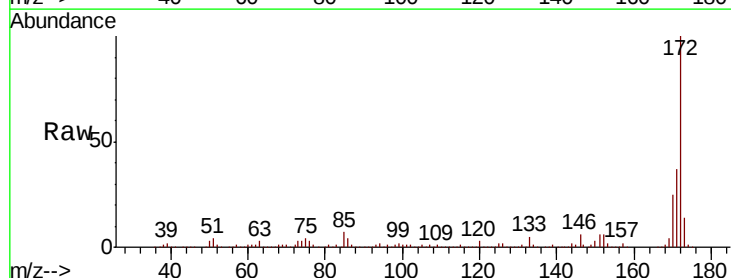
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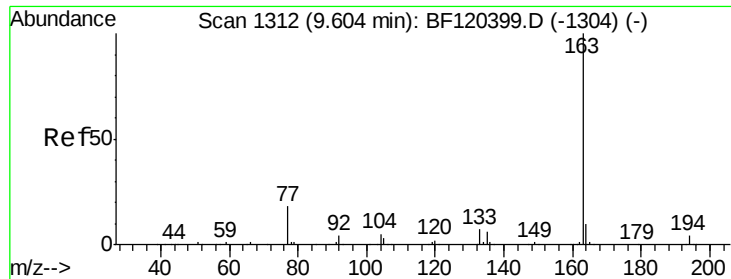
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#45
 2-Fluorobiphenyl
 Concen: 75.864 ng
 RT: 9.20 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: BF120421.D
 Acq: 28 May 2020 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.6	29.7	44.5	
170	24.7	19.9	29.9	





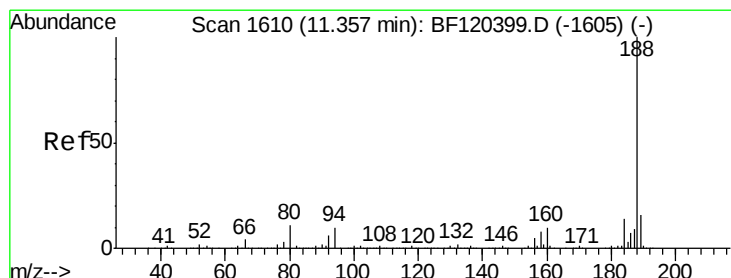
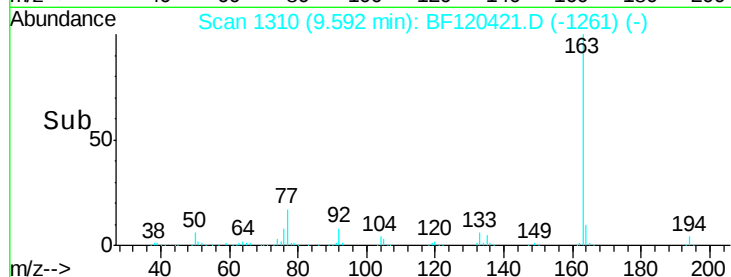
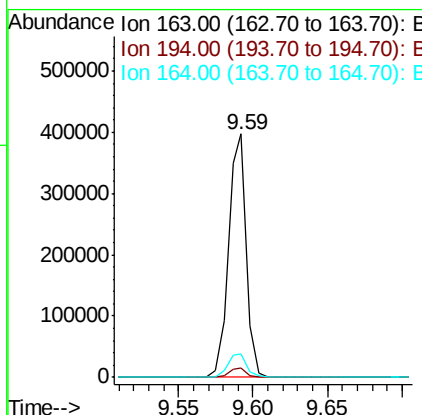
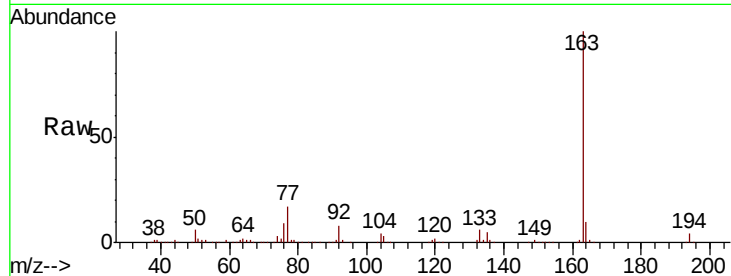
#50
Dimethylphthalate
Concen: 13.924 ng
RT: 9.59 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF120421.D
Acq: 28 May 2020 21:26

Instrument :
BNA_F
ClientSampleId :
NM53-COMP-2020-0-6

Tot Ion	Ratio	Resp	Lower	Upper
163	100	334091		
194	4.1	3.3	4.9	
164	9.7	8.3	12.5	

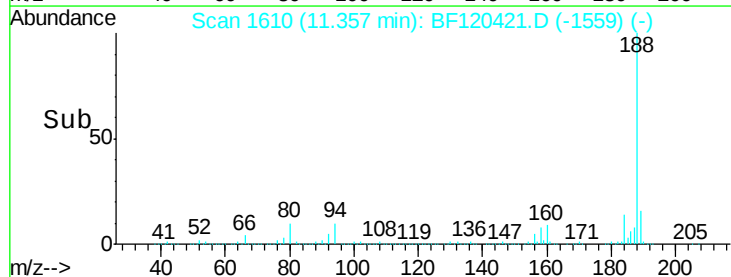
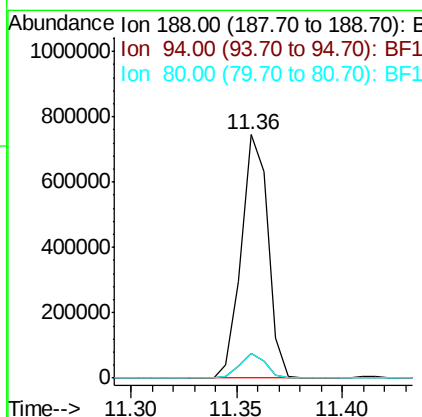
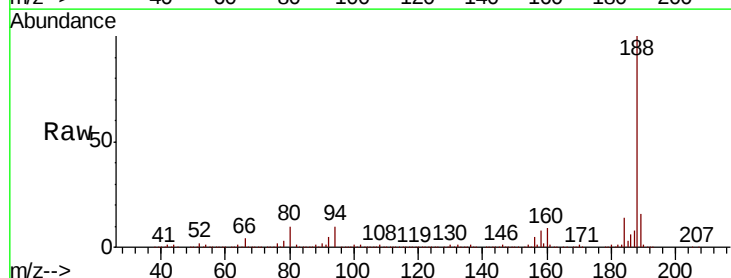
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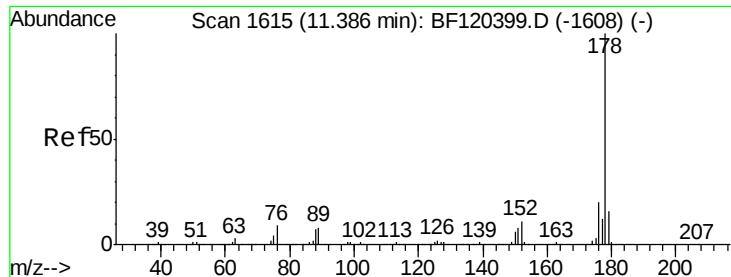
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1610
Delta R.T. 0.00 min
Lab File: BF120421.D
Acq: 28 May 2020 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	653582		
94	10.1	7.9	11.9	
80	10.3	8.6	13.0	





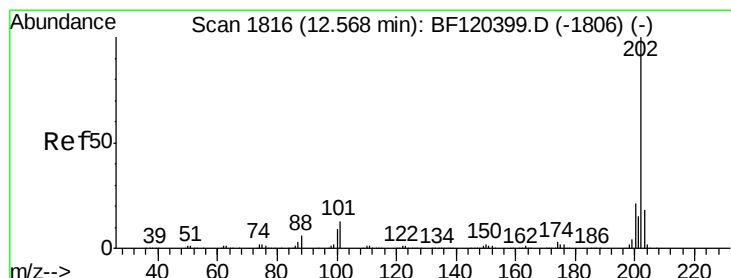
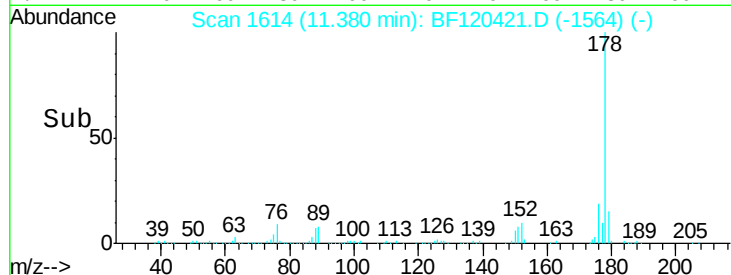
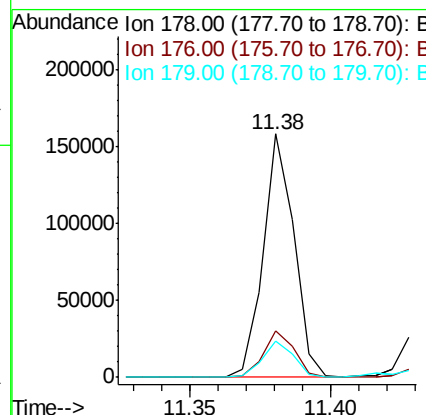
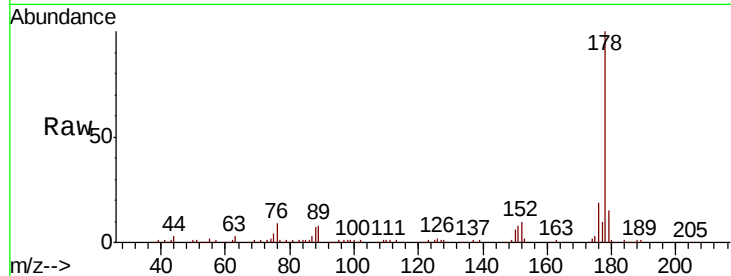
#71
Phenanthrene
Concen: 4.166 ng
RT: 11.38 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BF120421.D
Acq: 28 May 2020 21:26

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.4	24.6
179	15.1	13.0	19.4

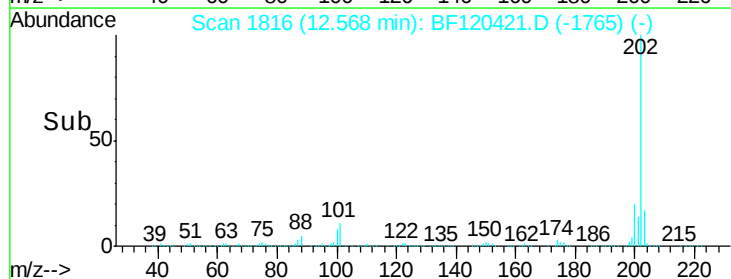
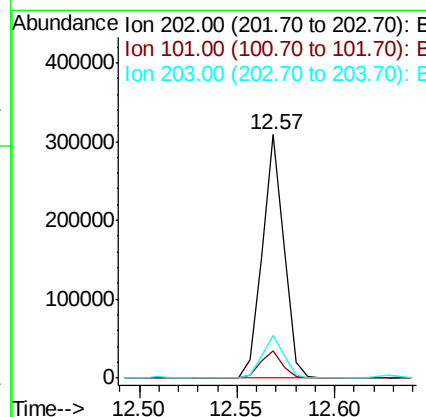
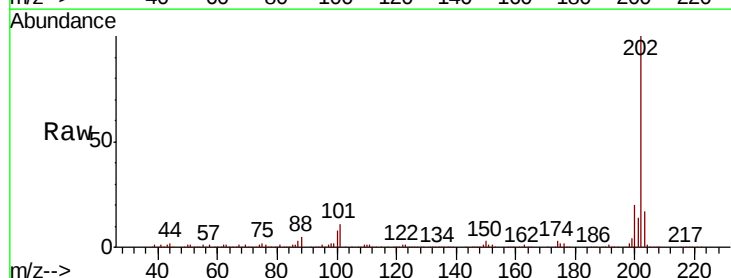
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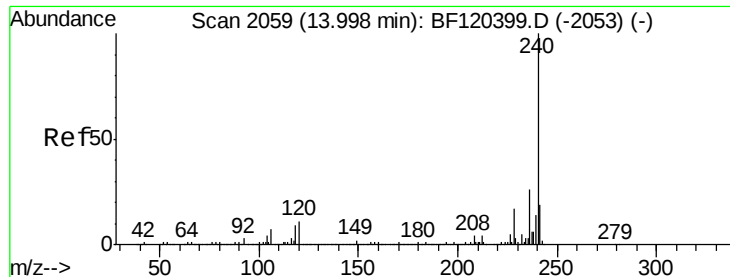
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#75
Fluoranthene
Concen: 7.607 ng
RT: 12.57 min Scan# 1816
Delta R.T. 0.00 min
Lab File: BF120421.D
Acq: 28 May 2020 21:26

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	32.6
203	17.5	0.0	38.4





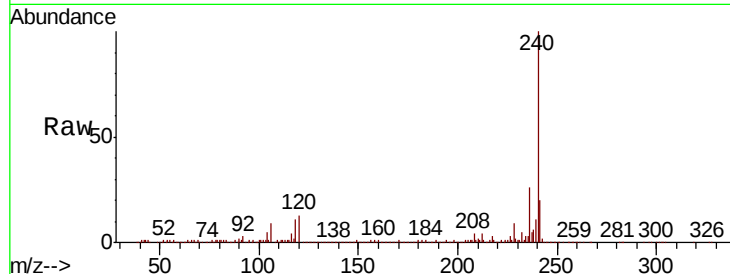
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BF120421.D
Acq: 28 May 2020 21:26

Instrument :
BNA_F
ClientSampleId :
NM53-COMP-2020-0-6

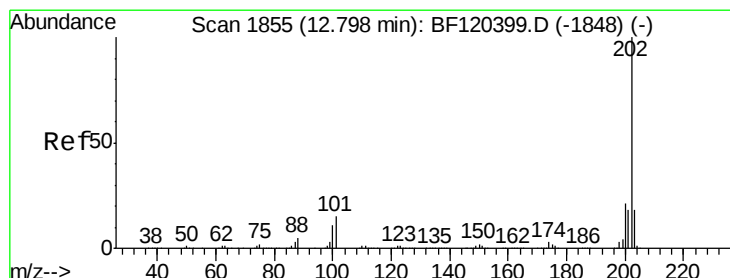
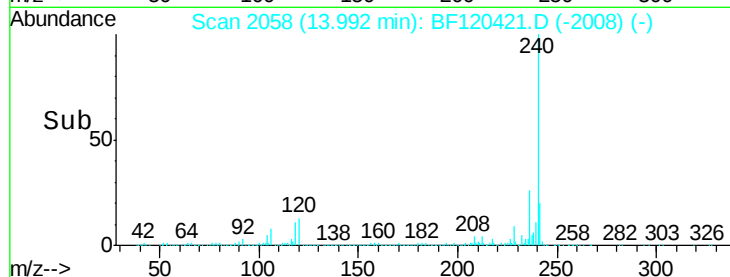
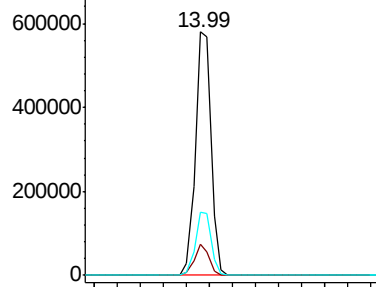
Tot Ion	Ratio	Lower	Upper
240	100		
120	12.6	8.8	13.2
236	26.1	21.0	31.4

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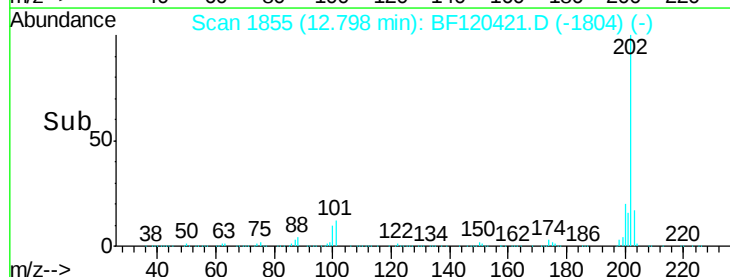
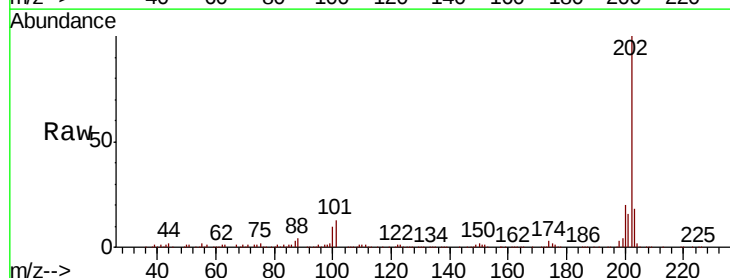
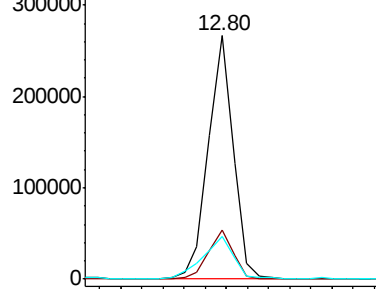
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

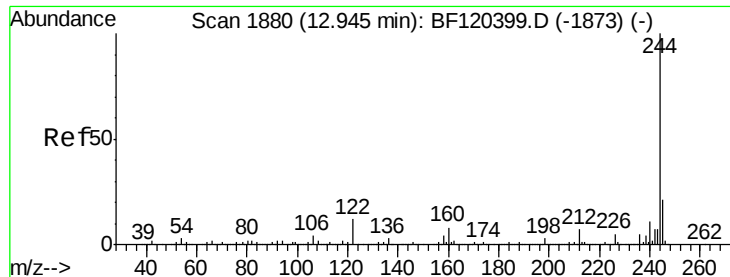


#78
Pyrene
Concen: 5.740 ng
RT: 12.80 min Scan# 1855
Delta R.T. 0.00 min
Lab File: BF120421.D
Acq: 28 May 2020 21:26

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.0	25.4
203	17.7	14.7	22.1

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





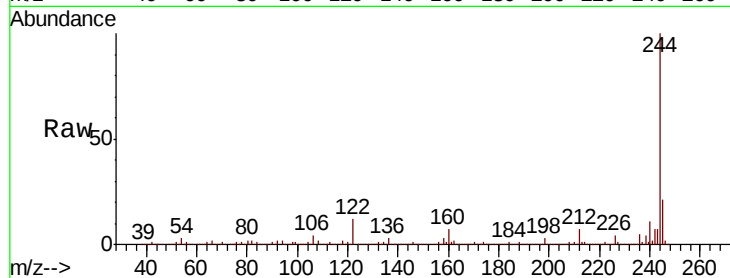
#79
 Terphenyl-d14
 Concen: 68.709 ng
 RT: 12.94 min Scan# 1880
 Delta R.T. 0.00 min
 Lab File: BF120421.D
 Acq: 28 May 2020 21:26

Instrument :
 BNA_F
 ClientSampleId :
 NM53-COMP-2020-0-6

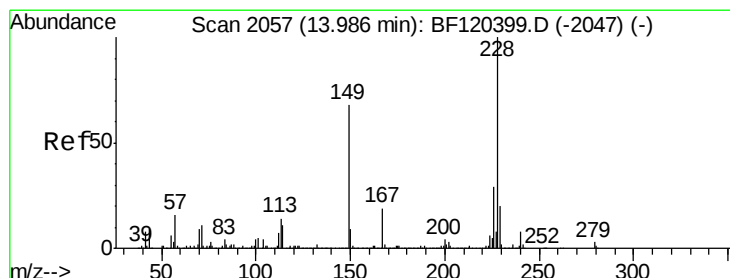
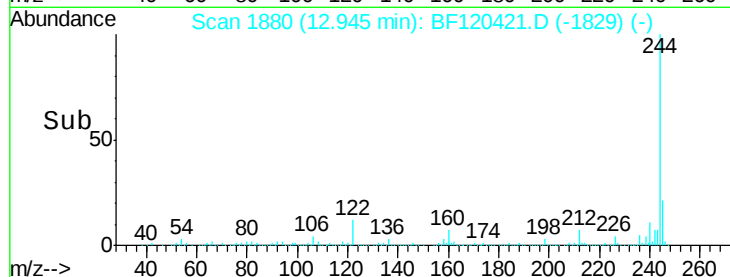
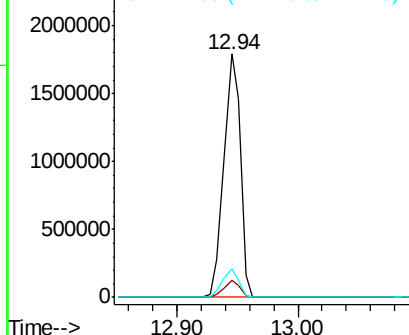
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	11.7	9.2	13.8

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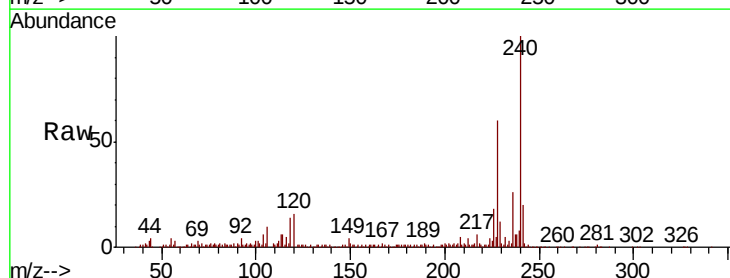


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

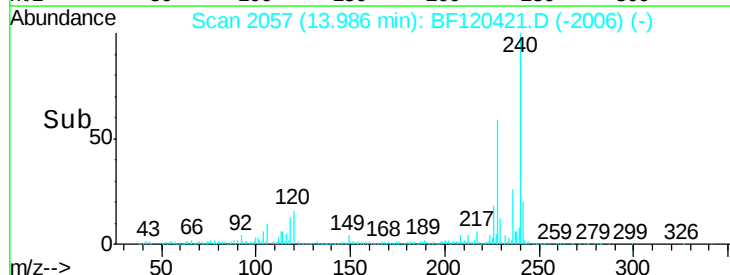
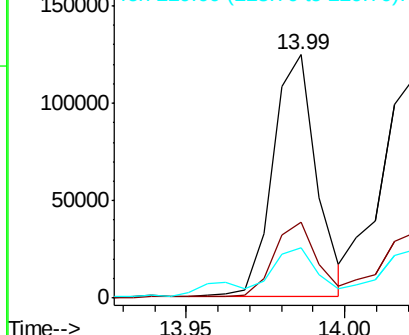


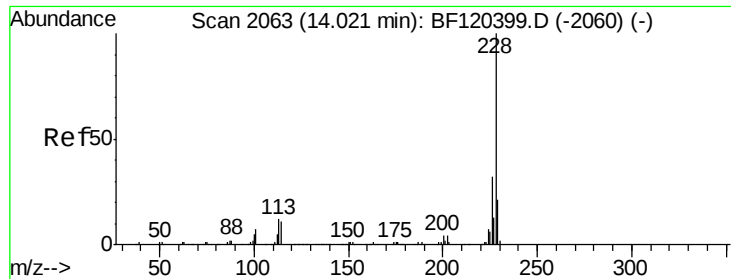
#81
 Benzo(a)anthracene
 Concen: 4.047 ng
 RT: 13.99 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: BF120421.D
 Acq: 28 May 2020 21:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.0	34.4
229	20.5	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





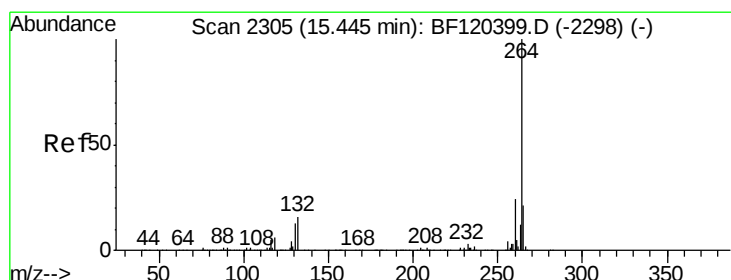
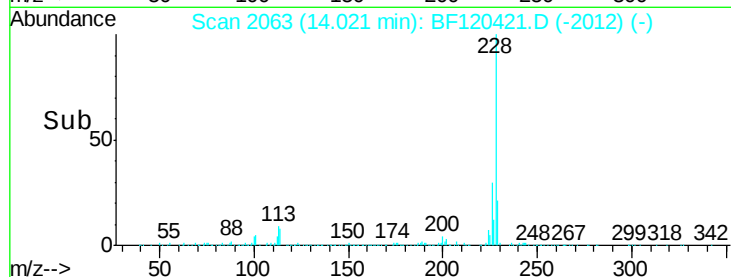
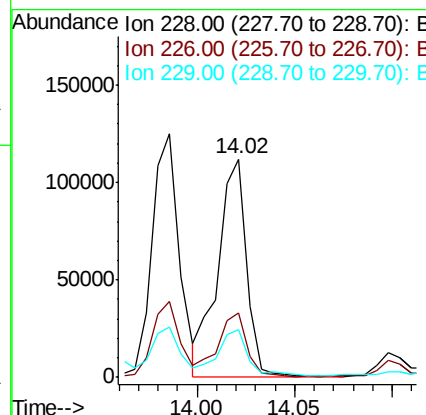
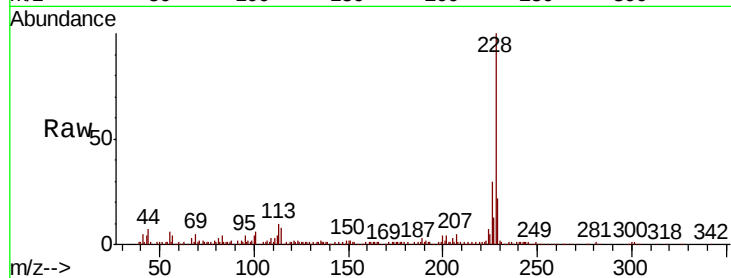
#83
Chrysene
Concen: 3.694 ng
RT: 14.02 min Scan# 2063
Delta R.T. 0.00 min
Lab File: BF120421.D
Acq: 28 May 2020 21:26

Instrument :
BNA_F
ClientSampleId :
NM53-COMP-2020-0-6

Tot Ion:	228	Resp:	113578
Ion Ratio	Lower	Upper	
228	100		
226	29.8	25.6	38.4
229	22.0	16.6	25.0

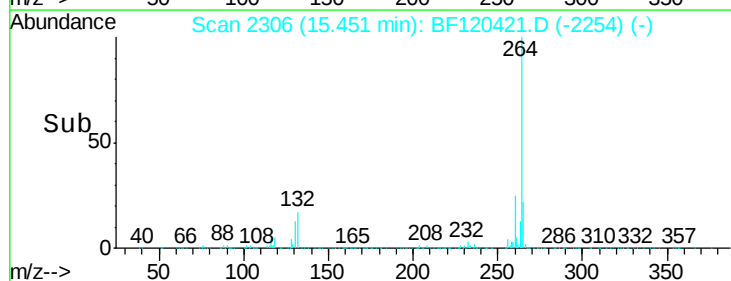
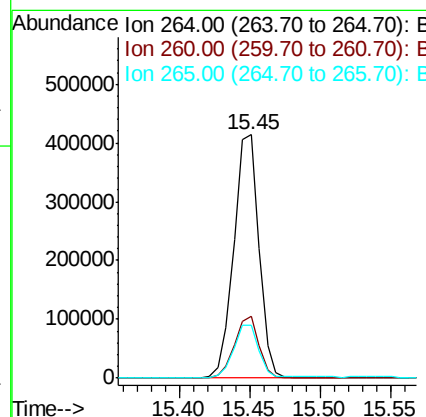
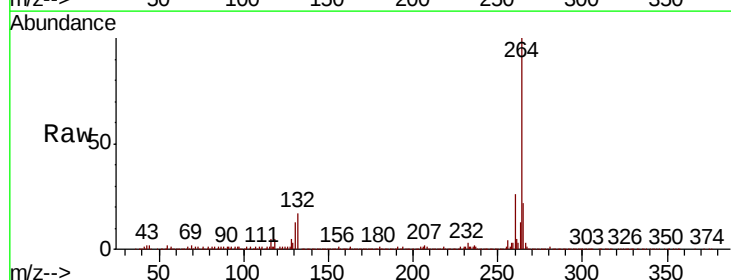
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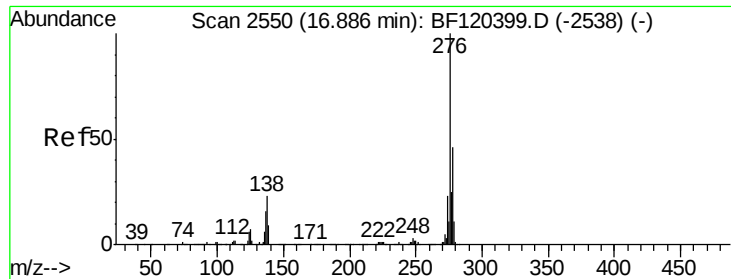
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BF120421.D
Acq: 28 May 2020 21:26

Tgt Ion:	264	Resp:	511245
Ion Ratio	Lower	Upper	
264	100		
260	25.5	19.2	28.8
265	21.9	16.9	25.3





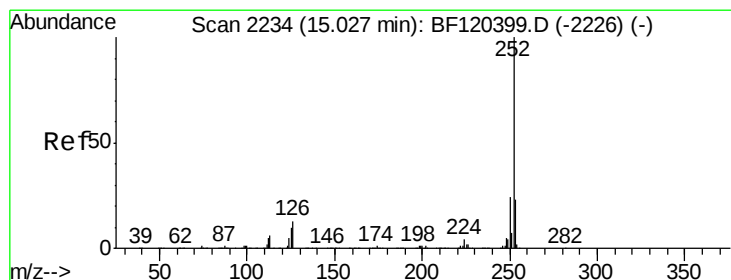
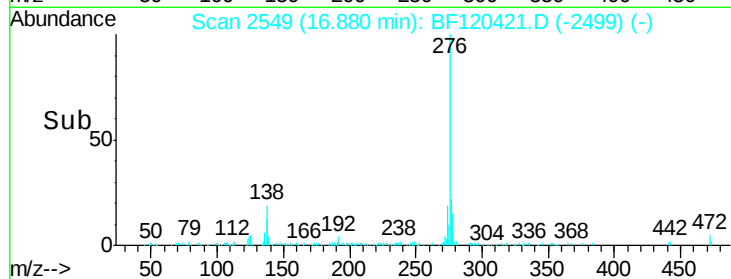
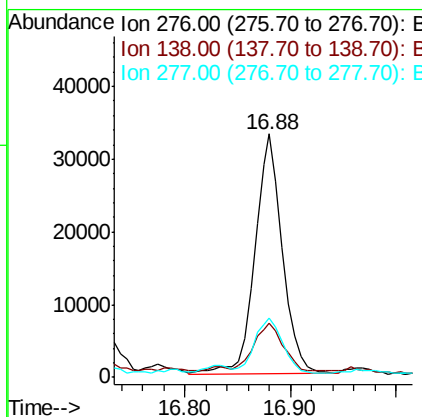
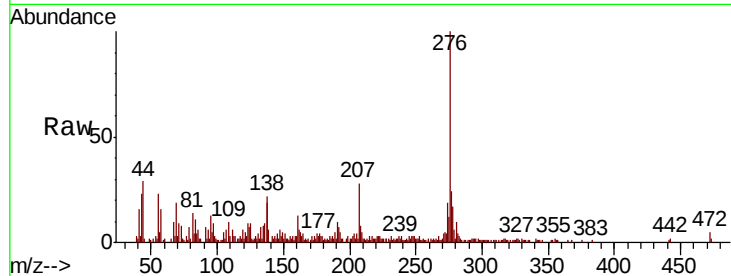
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.124 ng
RT: 16.88 min Scan# 2549
Delta R.T. -0.01 min
Lab File: BF120421.D
Acq: 28 May 2020 21:26

Instrument :
BNA_F
ClientSampleId :
NM53-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.7	20.4	30.6
277	24.0	20.4	30.6

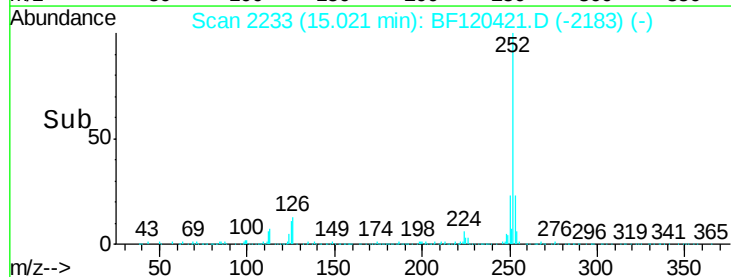
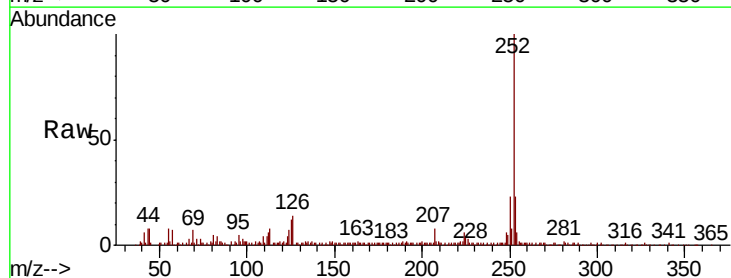
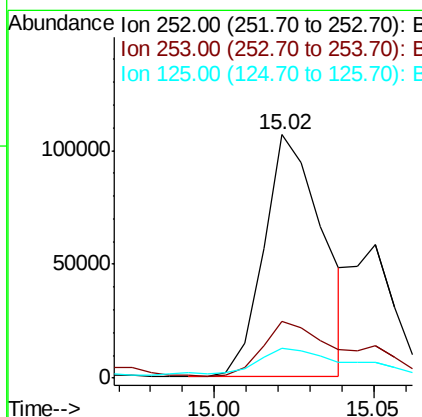
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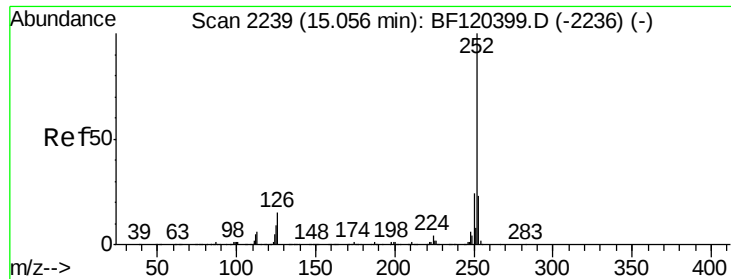
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#88
Benzo(b)fluoranthene
Concen: 4.823 ng m
RT: 15.02 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF120421.D
Acq: 28 May 2020 21:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	12.3	7.8	11.8





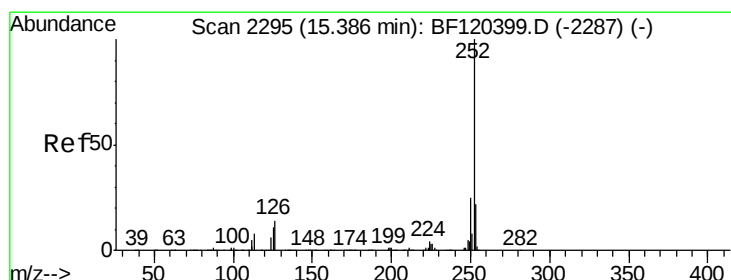
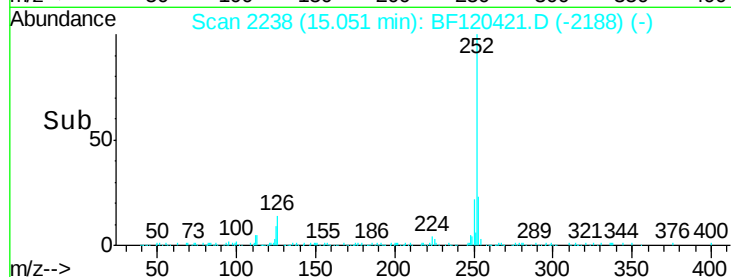
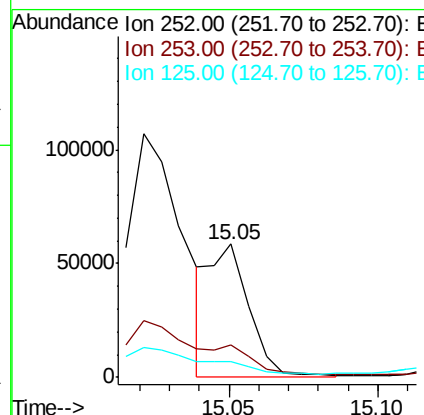
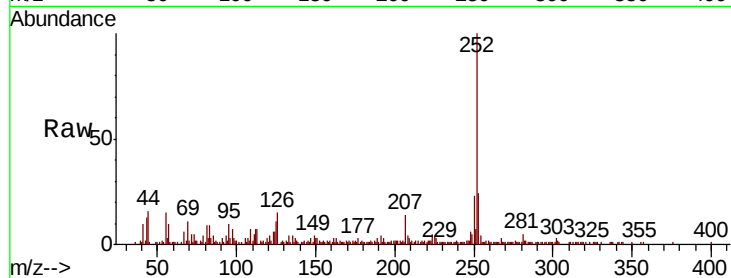
#89
Benzo(k)fluoranthene
Concen: 2.037 ng m
RT: 15.05 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BF120421.D
Acq: 28 May 2020 21:26

Instrument :
BNA_F
ClientSampleId :
NM53-COMP-2020-0-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.5	27.7
125	11.5	8.0	12.0

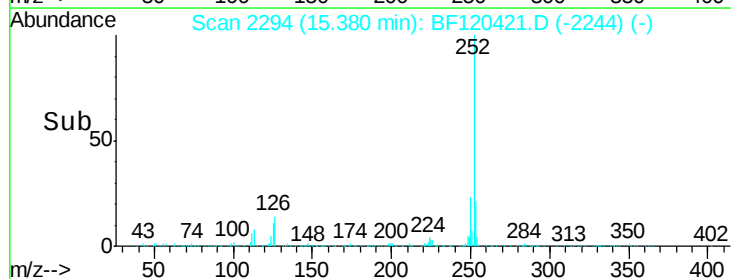
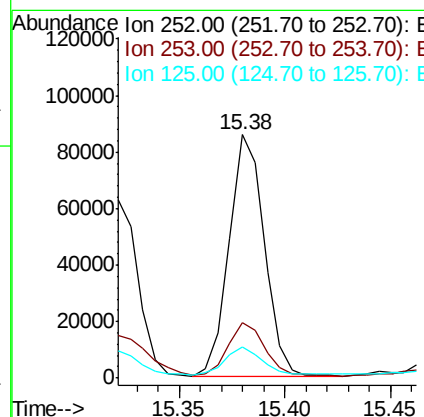
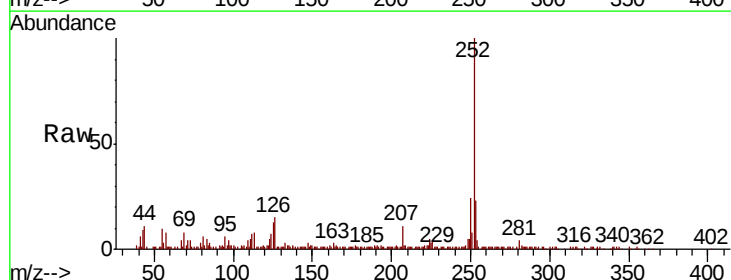
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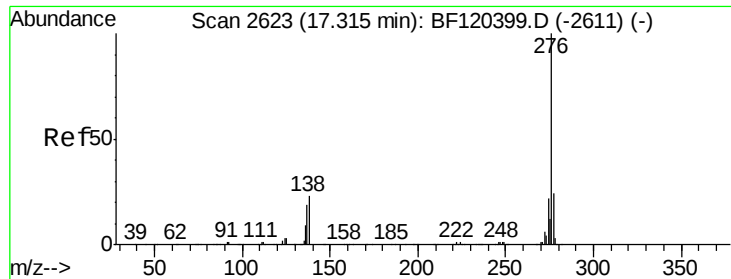
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#90
Benzo(a)pyrene
Concen: 3.967 ng
RT: 15.38 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BF120421.D
Acq: 28 May 2020 21:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	12.7	8.7	13.1





#92
 Benzo(a,h,i)perylene
 Concen: 2.410 ng
 RT: 17.32 min Scan# 2623
 Delta R.T. 0.00 min
 Lab File: BF120421.D
 Acq: 28 May 2020 21:26

Instrument :
 BNA_F
 ClientSampleId :
 NM53-COMP-2020-0-6

Tot Ion:	276	Resp:	54194
Ion Ratio		Lower	Upper
276	100		
277	24.5	19.5	29.3
138	24.7	18.1	27.1

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