

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103419.D
 Acq On : 5 Mar 2018 20:03
 Operator : SJ/JU
 Sample : J1723-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-20

Manual Integrations
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Quant Time: Mar 06 00:40:18 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 05 13:40:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	147786	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	620412	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	255555	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	375770	20.00	ng	0.00
75) Chrysene-d12	14.07	240	214514	20.00	ng	0.00
86) Perylene-d12	15.60	264	170191	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	917336	93.88	ng	0.00
7) Phenol-d6	6.52	99	1098557	91.88	ng	0.00
23) Nitrobenzene-d5	7.44	82	679524	62.55	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	141158	65.26	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	936552	58.49	ng	0.00
78) Terphenyl-d14	13.00	244	609708	68.32	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.62	163	81747	3.987	ng	Qvalue # 99
51) Acenaphthene	9.95	154	30577	2.012	ng	97
70) Phenanthrene	11.43	178	419760	20.298	ng	99
71) Anthracene	11.49	178	131010	6.178	ng	99
72) Carbazole	11.65	167	48682	2.305	ng	98
74) Fluoranthene	12.64	202	1030436	49.586	ng	99
77) Pyrene	12.87	202	1012289	60.526	ng	100
80) Benzo(a)anthracene	14.06	228	515504	37.037	ng	97
82) Chrysene	14.10	228	452278	33.466	ng	97
85) Indeno(1,2,3-cd)pyrene	17.15	276	155986	14.579	ng	95
87) Benzo(b)fluoranthene	15.15	252	470034m	42.005	ng	
88) Benzo(k)fluoranthene	15.17	252	125274m	11.889	ng	
89) Benzo(a)pyrene	15.53	252	307178	30.741	ng	# 93
90) Dibenzo(a,h)anthracene	17.15	278	45731	5.923	ng	# 75
91) Benzo(a,h,i)perylene	17.63	276	151646	20.095	ng	96

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

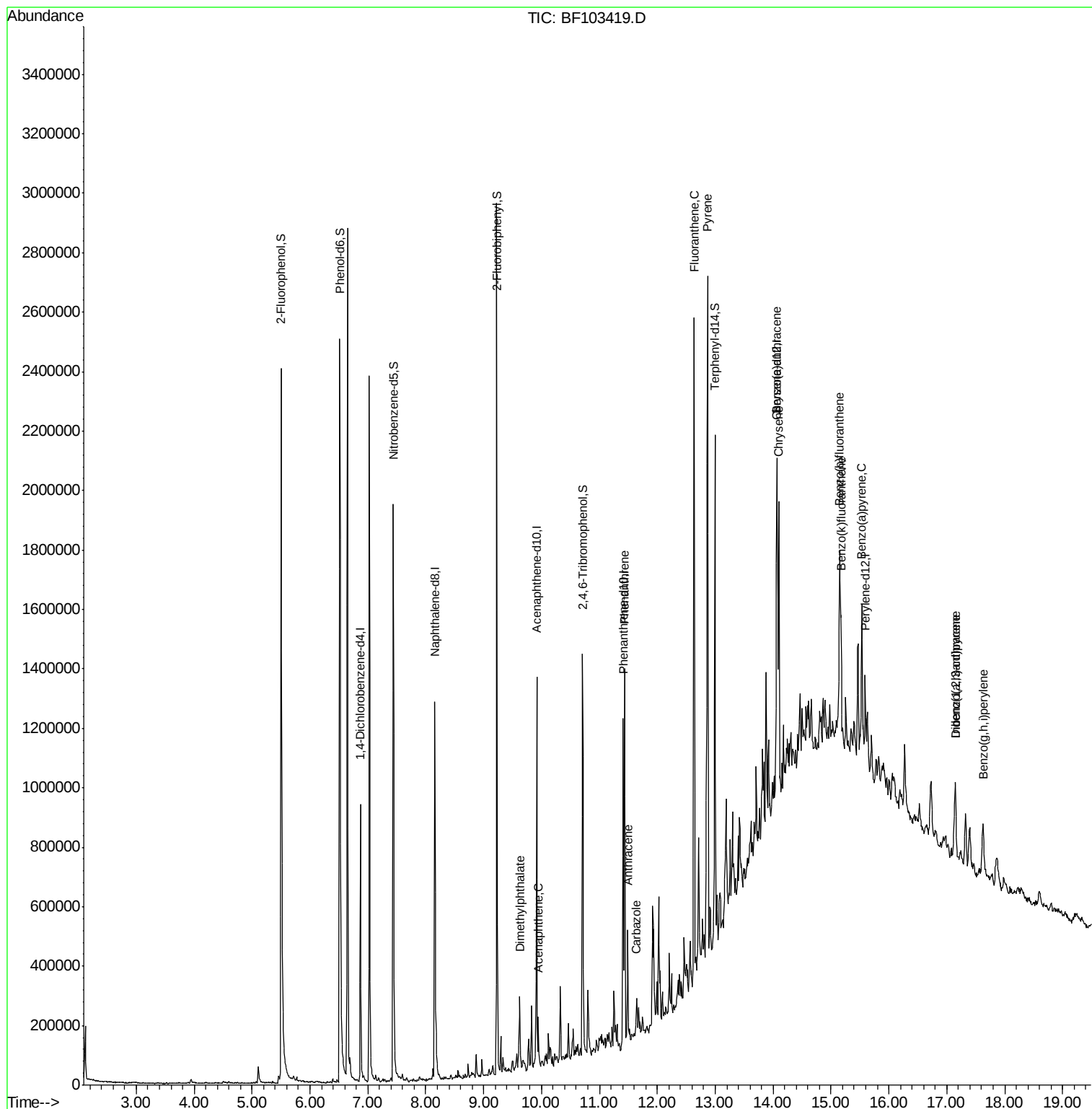
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103419.D
Acq On : 5 Mar 2018 20:03
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SP-20

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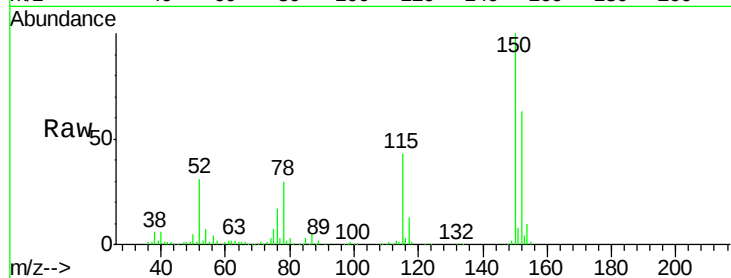
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF103419.D
 Acq: 5 Mar 2018 20:03

Instrument :
 BNA_F
 ClientSampled :
 SP-20

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.6	186.8
115	68.3	50.1	75.1

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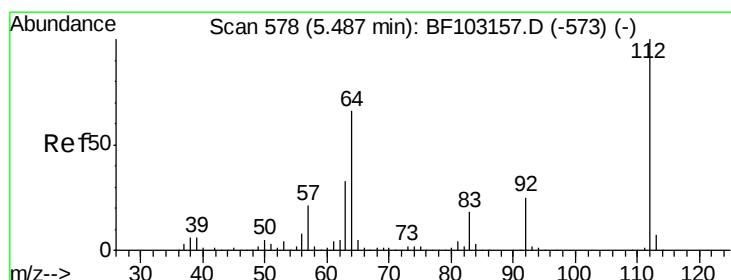
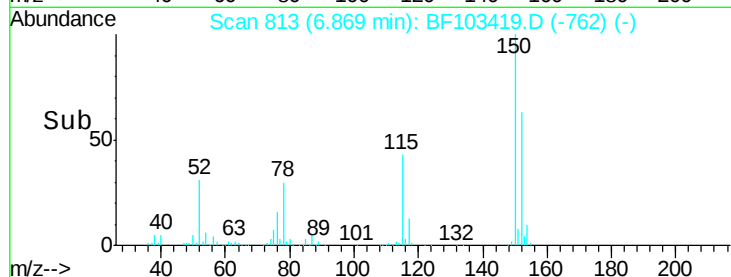
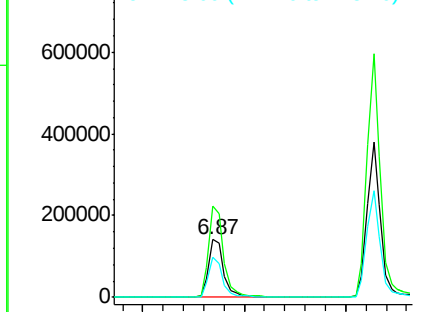


Abundance

Ion 152.00 (151.70 to 152.70): E

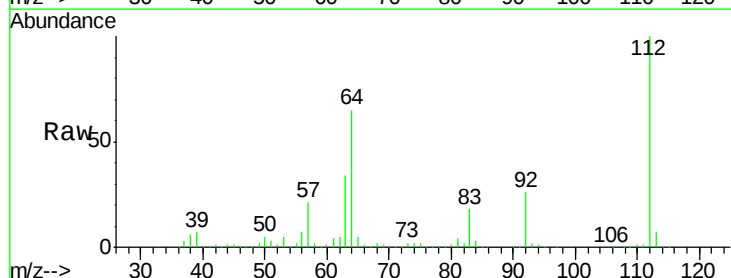
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 93.879 ng
 RT: 5.50 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: BF103419.D
 Acq: 5 Mar 2018 20:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.5	47.9	71.9
63	33.9	23.7	35.5

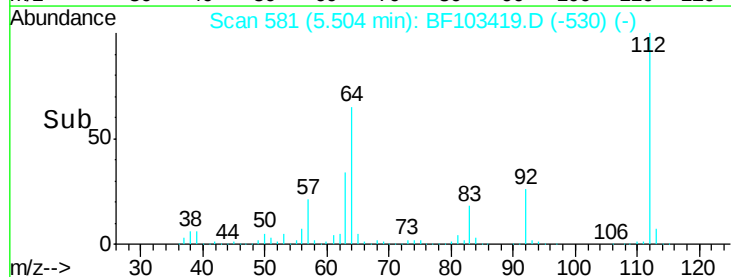
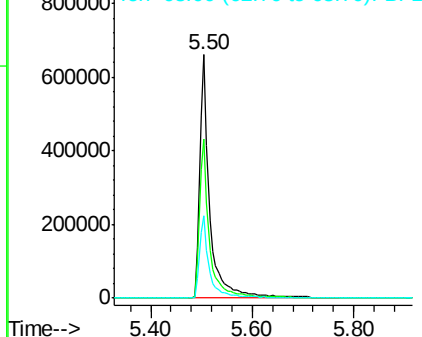


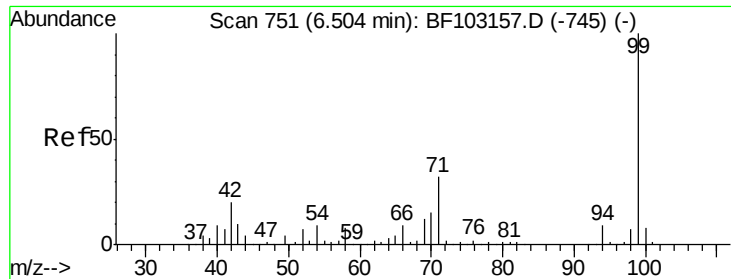
Abundance

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: 91.877 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF103419.D

Acq: 5 Mar 2018 20:03

Instrument :

BNA_F

ClientSampled :

SP-20

Tot Ion: 99 Resp: 1098557

Ion Ratio Lower Upper

99 100

42 21.2 14.5 21.7

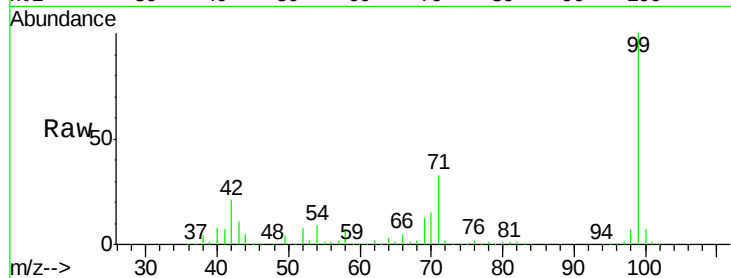
71 32.9 25.4 38.0

Manual Integrations

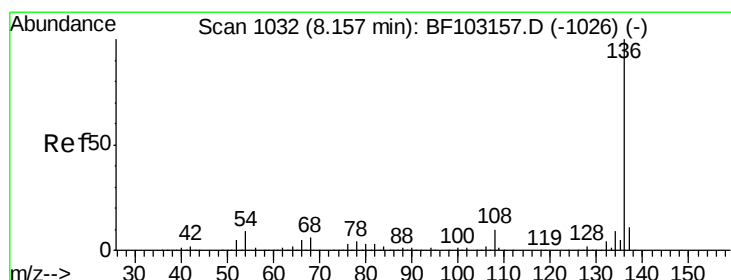
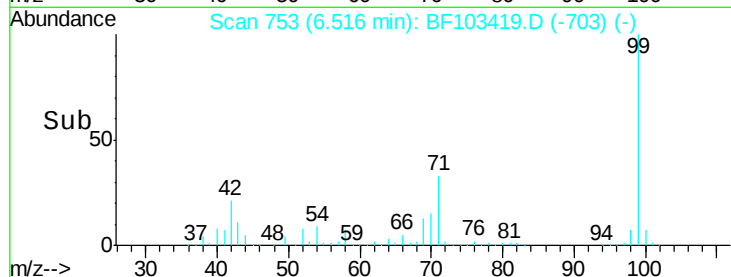
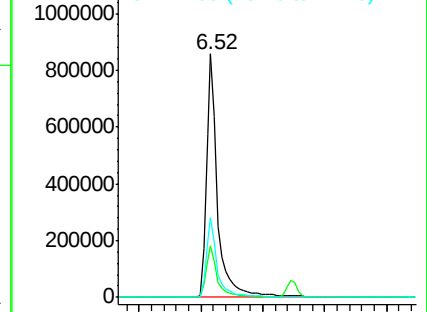
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF103419.D

Acq: 5 Mar 2018 20:03

Tgt Ion: 136 Resp: 620412

Ion Ratio Lower Upper

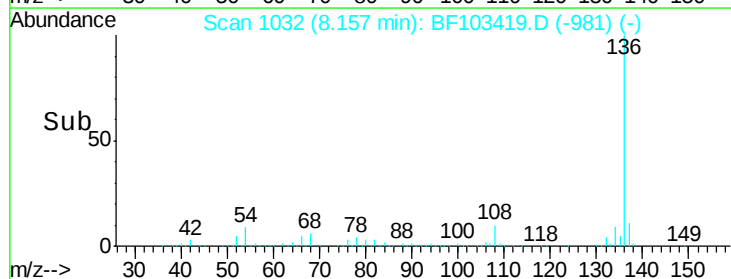
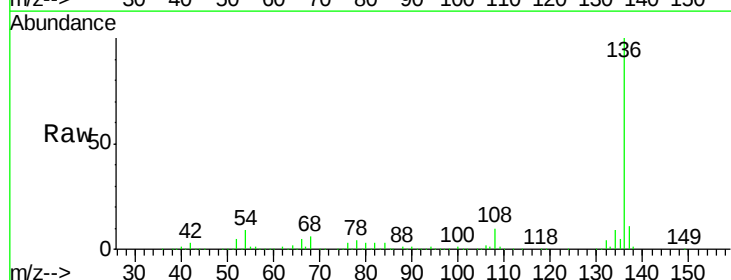
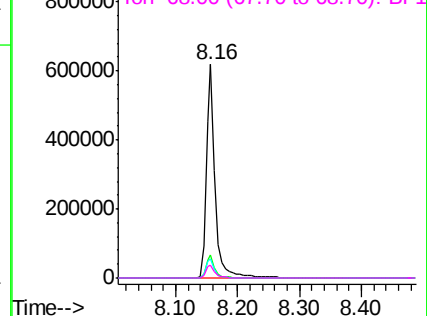
136 100

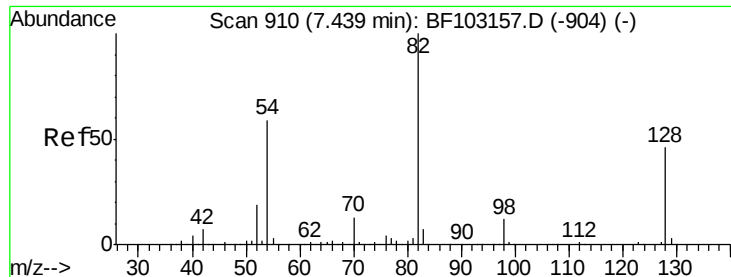
137 10.8 8.9 13.3

54 9.0 6.6 9.8

68 6.3 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





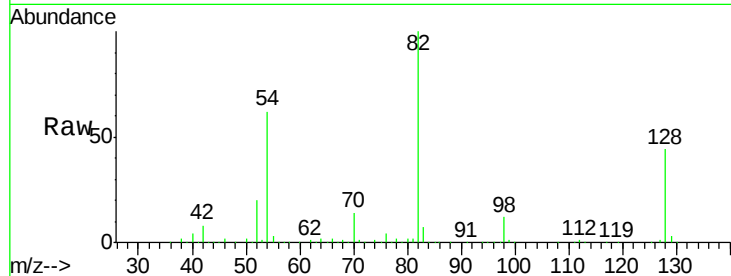
#23
Nitrobenzene-d5
Concen: 62.550 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.00 min
Lab File: BF103419.D
Acq: 5 Mar 2018 20:03

Instrument :
BNA_F
ClientSampled :
SP-20

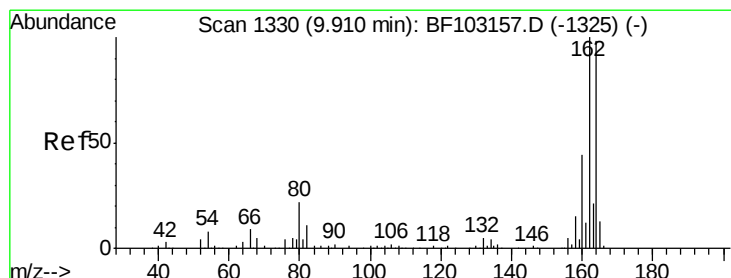
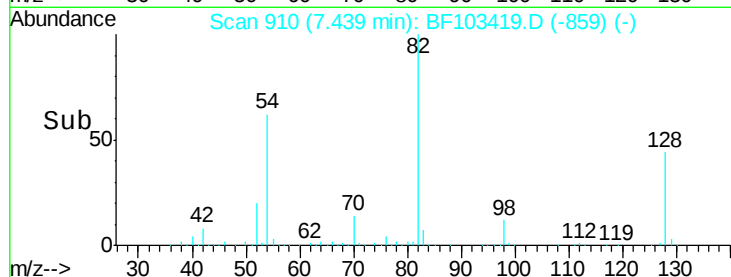
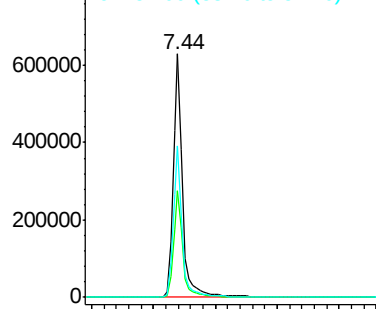
Tot Ion	Ratio	Lower	Upper
82	100		
128	43.6	36.1	54.1
54	62.4	41.4	62.2

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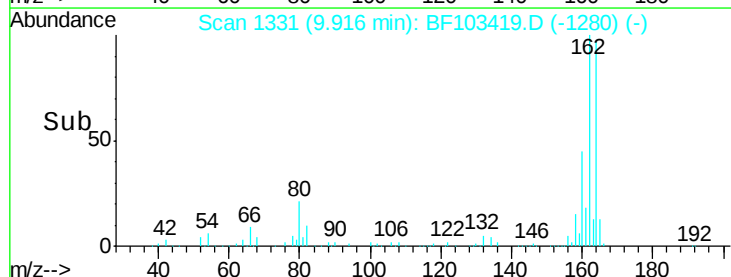
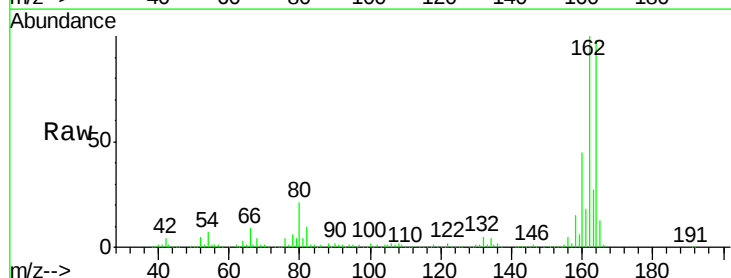
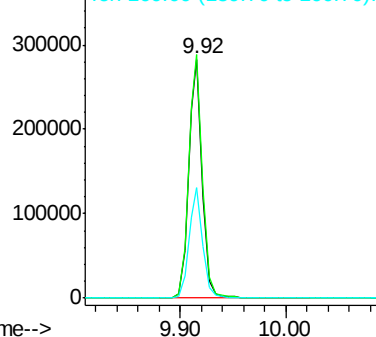
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF103419.D
Acq: 5 Mar 2018 20:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	86.1	129.1
160	46.2	38.3	57.5

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





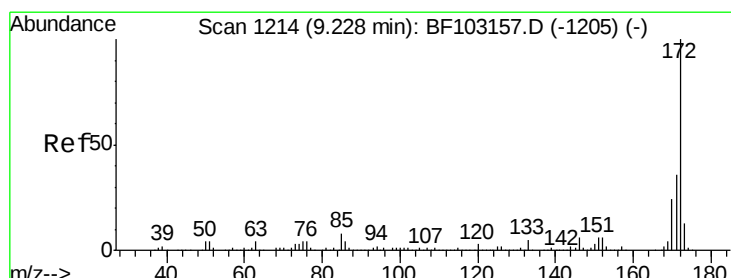
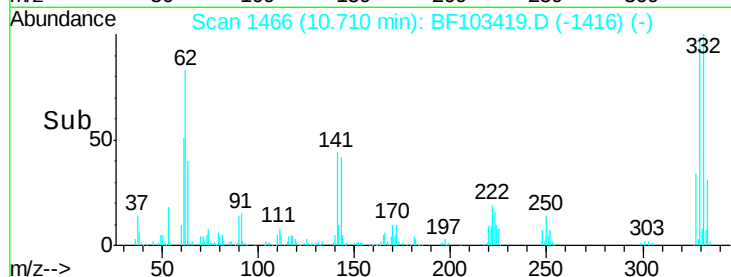
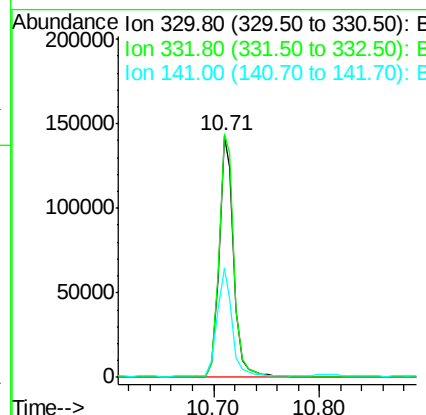
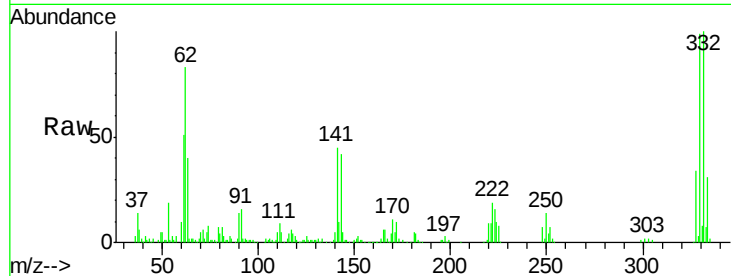
#41
 2,4,6-Tribromophenol
 Concen: 65.256 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103419.D
 Acq: 5 Mar 2018 20:03

Instrument :
 BNA_F
 ClientSampled :
 SP-20

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	103.0	77.0	115.6	
141	45.6	29.9	44.9	

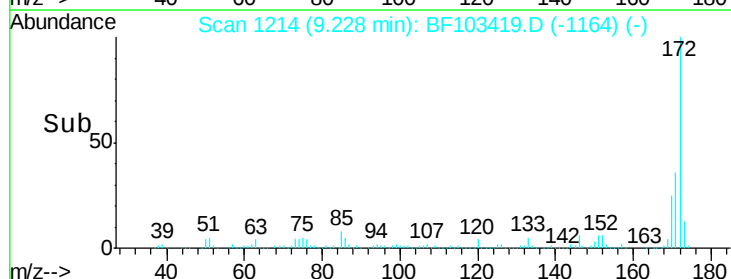
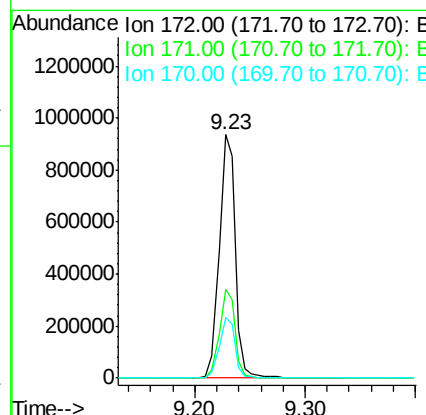
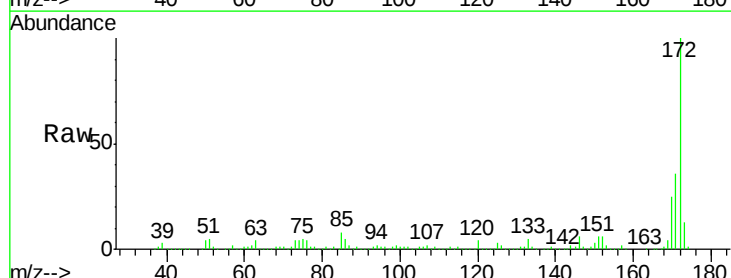
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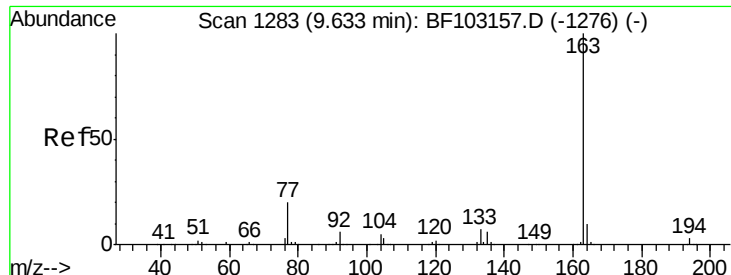
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#44
 2-Fluorobiphenyl
 Concen: 58.487 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103419.D
 Acq: 5 Mar 2018 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.3	29.7	44.5	
170	24.8	19.6	29.4	





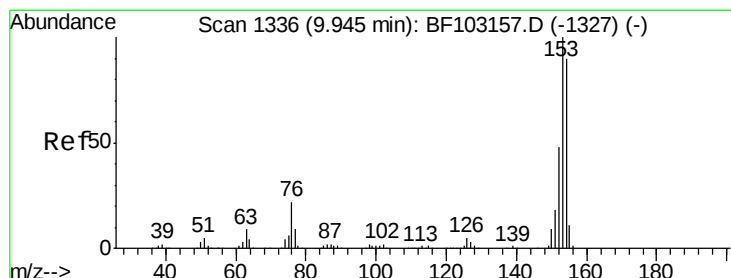
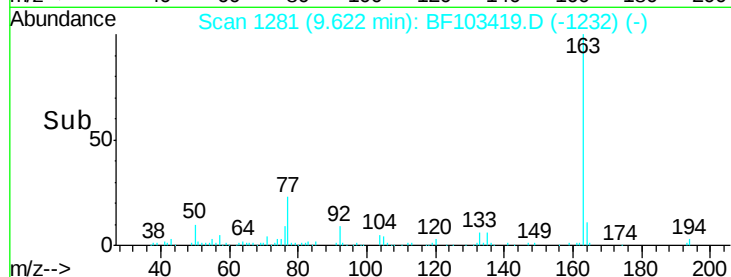
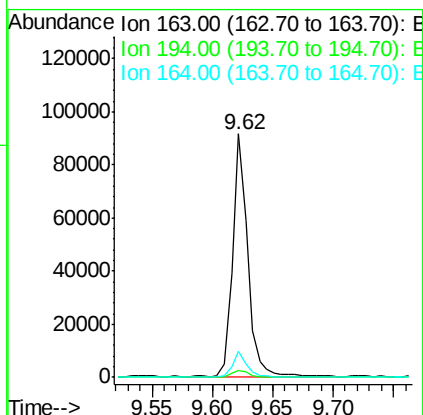
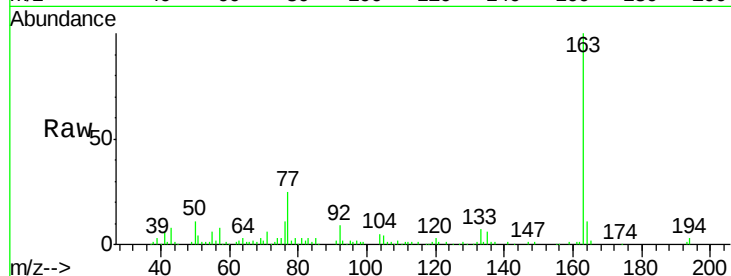
#49
Dimethylphthalate
Concen: 3.987 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103419.D
Acq: 5 Mar 2018 20:03

Instrument :
BNA_F
ClientSampleId :
SP-20

Tot Ion	Ratio	Lower	Upper
163	100		
194	2.7	2.7	4.1#
164	10.6	8.2	12.2

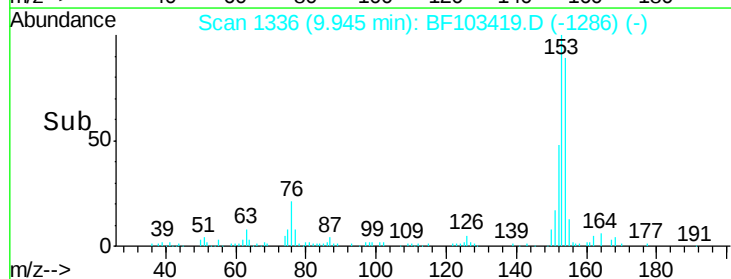
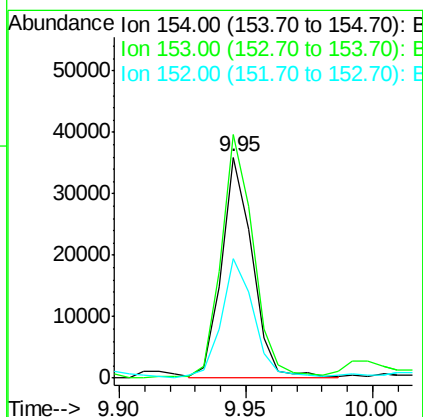
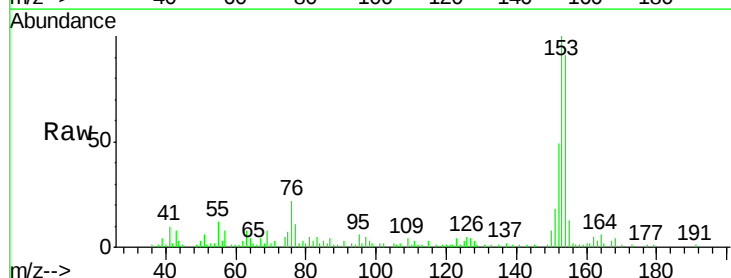
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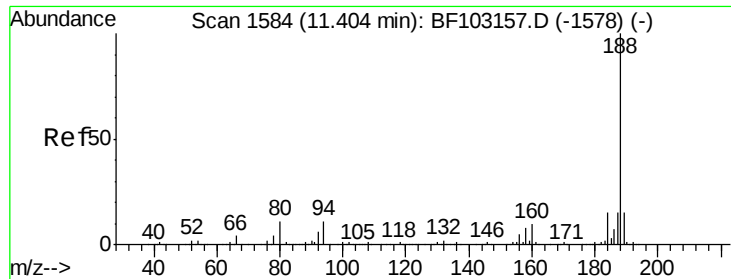
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#51
Acenaphthene
Concen: 2.012 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF103419.D
Acq: 5 Mar 2018 20:03

Tgt Ion	Ratio	Lower	Upper
154	100		
153	110.1	91.2	136.8
152	54.2	43.8	65.8





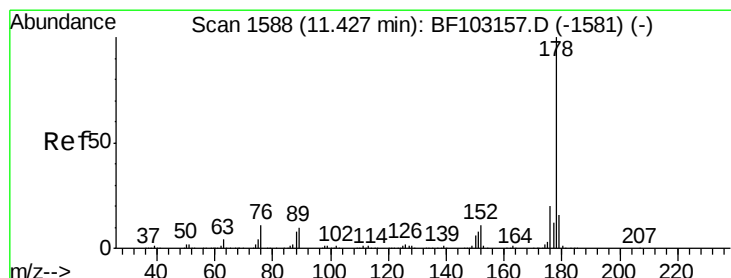
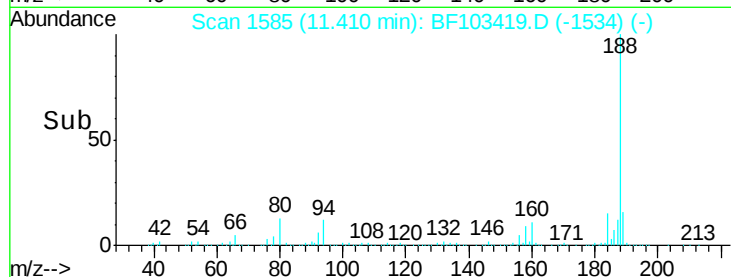
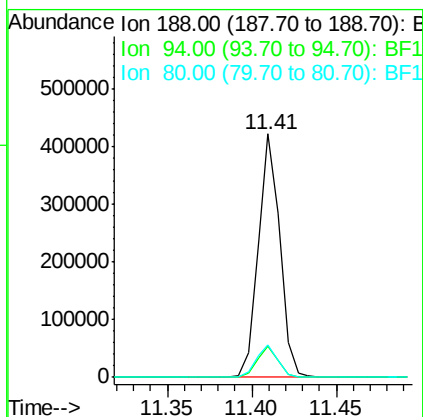
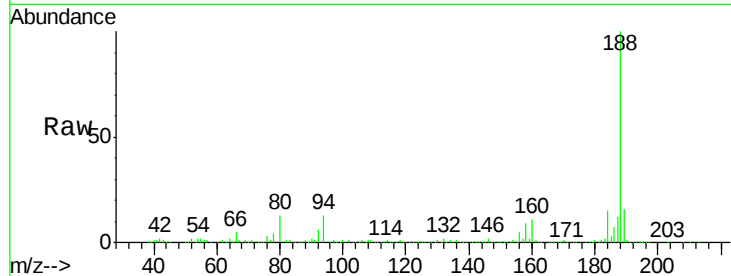
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF103419.D
Acq: 5 Mar 2018 20:03

Instrument :
BNA_F
ClientSampled :
SP-20

Tot Ion	Ratio	Resp	Lower	Upper
188	100	375770		
94	12.6		8.5	12.7
80	13.2		9.2	13.8

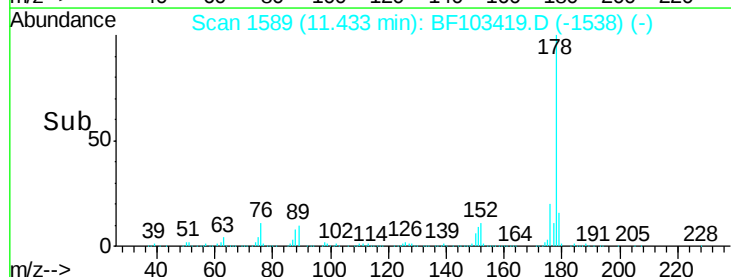
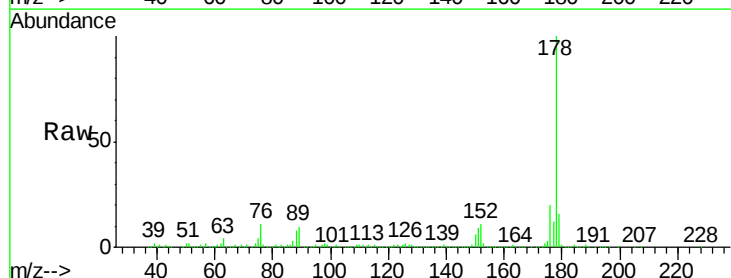
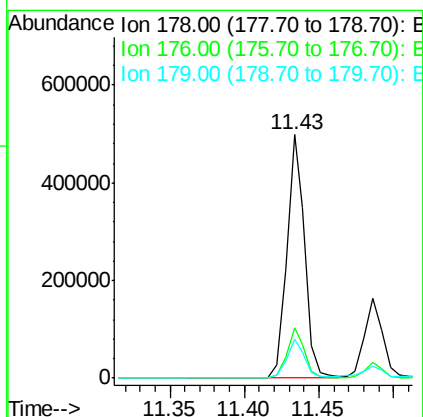
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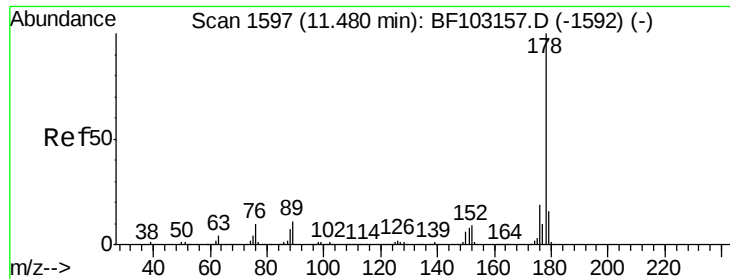
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#70
Phenanthrene
Concen: 20.298 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF103419.D
Acq: 5 Mar 2018 20:03

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	419760		
176	20.4		15.8	23.8
179	16.0		13.0	19.6





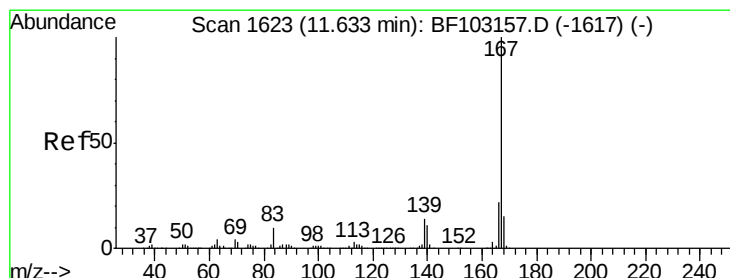
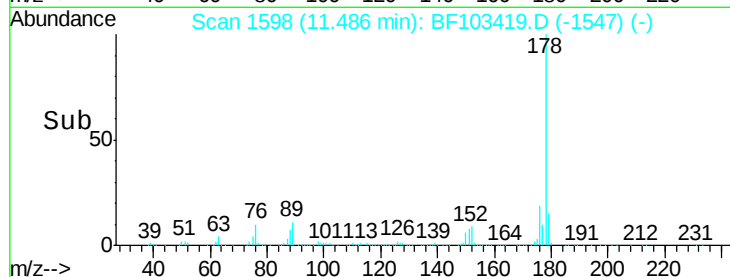
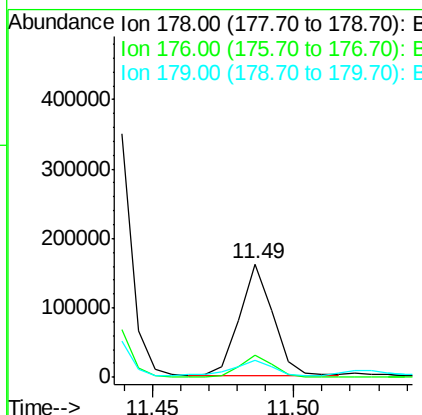
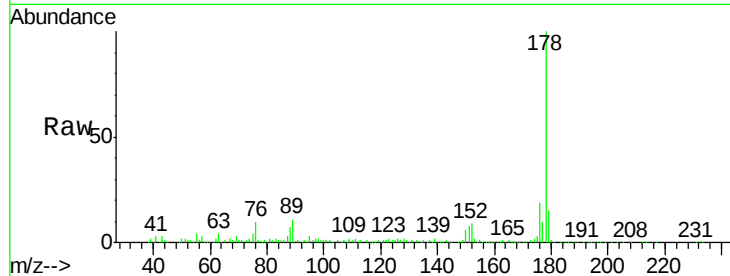
#71
 Anthracene
 Concen: 6.178 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: BF103419.D
 Acq: 5 Mar 2018 20:03

Instrument :
 BNA_F
 ClientSampled :
 SP-20

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.4	12.6	19.0

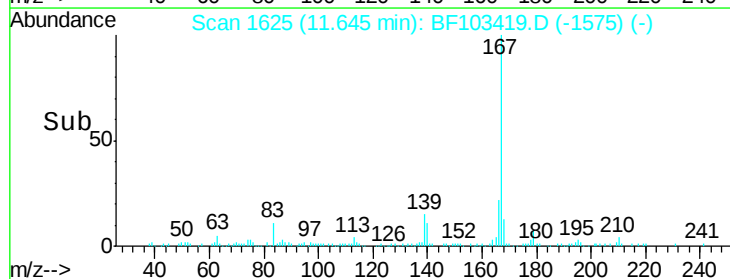
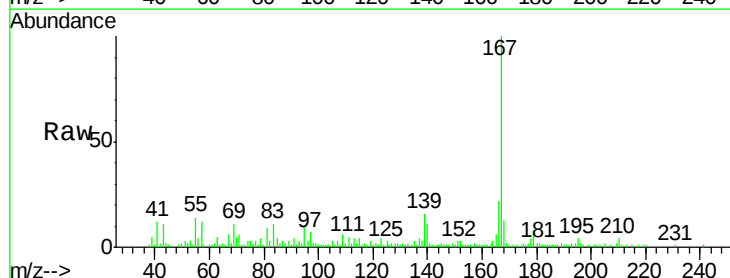
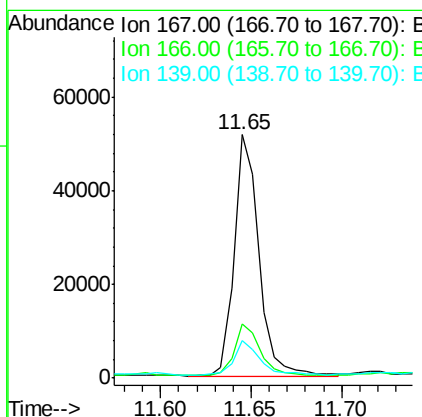
Manual Integrations
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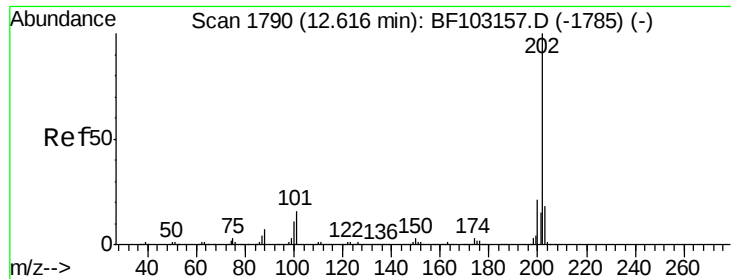
Sohil
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#72
 Carbazole
 Concen: 2.305 ng
 RT: 11.65 min Scan# 1625
 Delta R.T. -0.01 min
 Lab File: BF103419.D
 Acq: 5 Mar 2018 20:03

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.6	26.4
139	15.6	10.9	16.3





#74

Fluoranthene

Concen: 49.586 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF103419.D

Acq: 5 Mar 2018 20:03

Instrument :

BNA_F

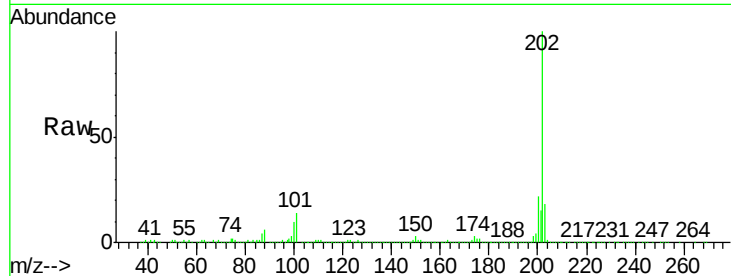
ClientSampled :

SP-20

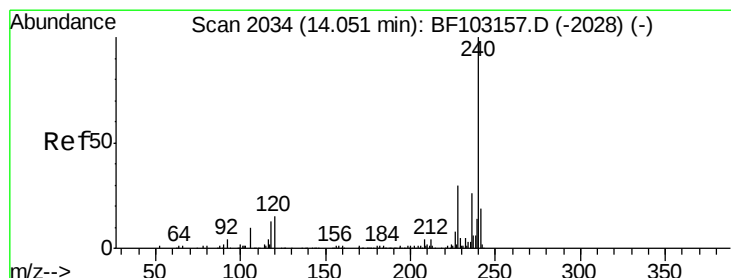
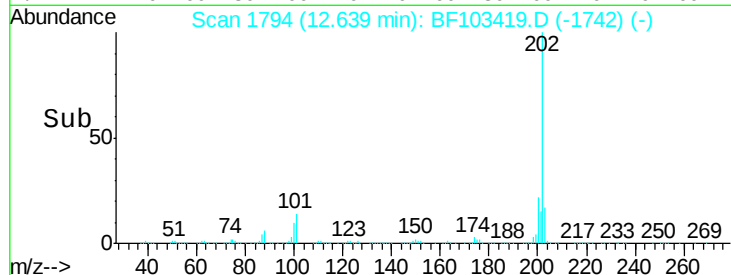
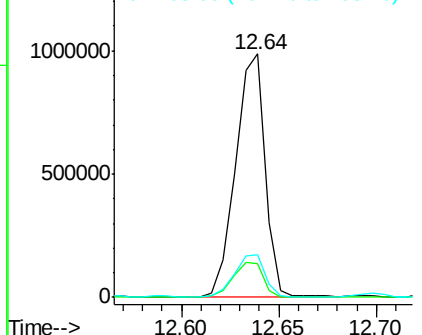
Tot Ion:	202	Resp:	1030436
Ion Ratio	Lower	Upper	
202	100		
101	13.8	0.0	34.1
203	17.5	0.0	38.1

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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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2038

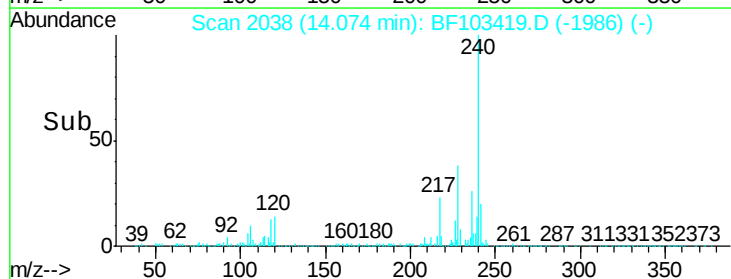
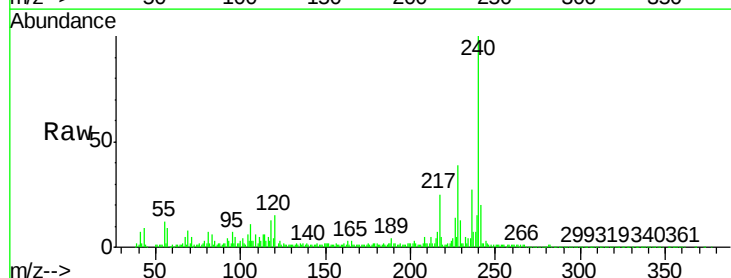
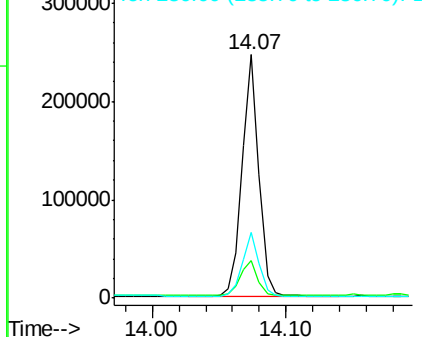
Delta R.T. 0.01 min

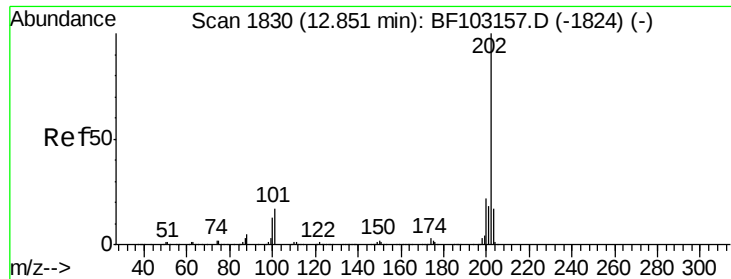
Lab File: BF103419.D

Acq: 5 Mar 2018 20:03

Tgt Ion:	240	Resp:	214514
Ion Ratio	Lower	Upper	
240	100		
120	15.3	9.5	14.3#
236	27.0	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





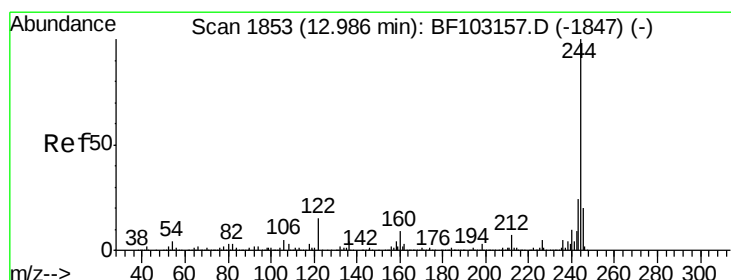
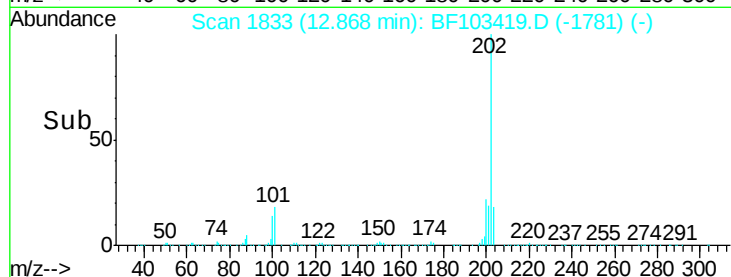
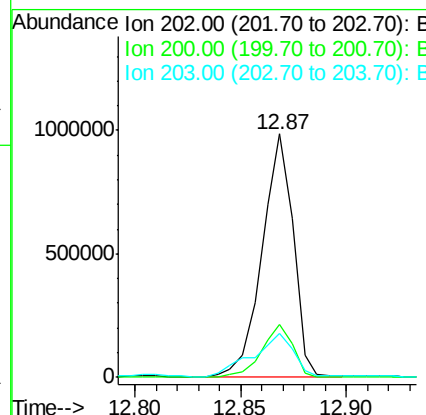
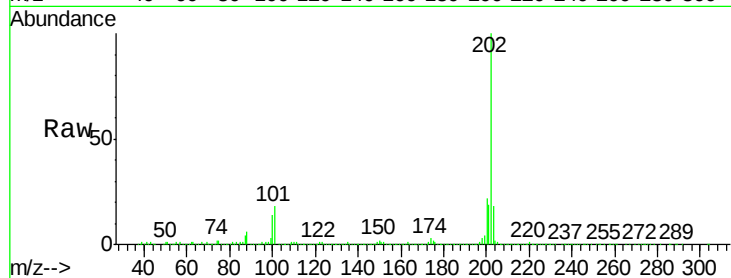
#77
Pvrene
Concen: 60.526 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BF103419.D
Acq: 5 Mar 2018 20:03

Instrument :
BNA_F
ClientSampled :
SP-20

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	18.1	14.3	21.5

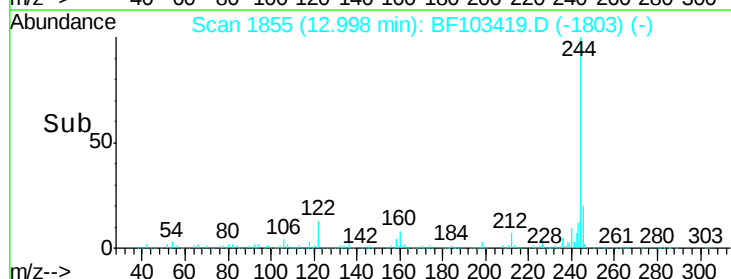
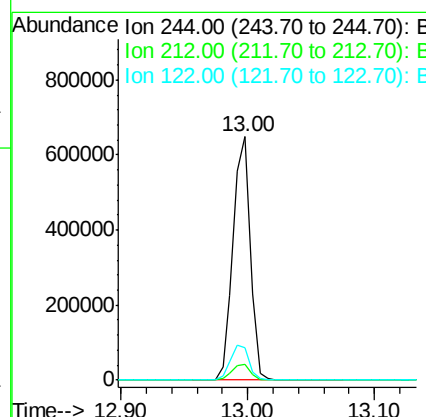
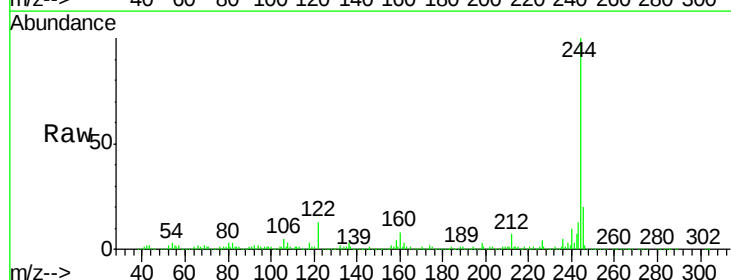
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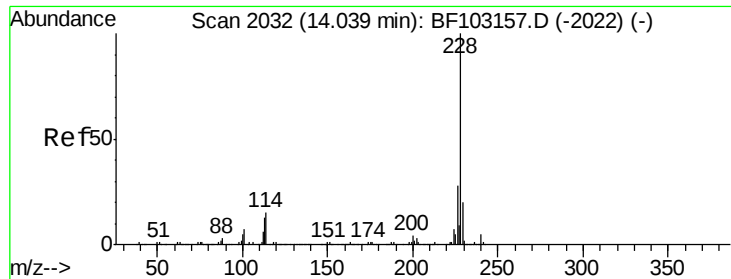
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#78
Terphenyl-d14
Concen: 68.325 ng
RT: 13.00 min Scan# 1855
Delta R.T. 0.01 min
Lab File: BF103419.D
Acq: 5 Mar 2018 20:03

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	13.3	11.0	16.4





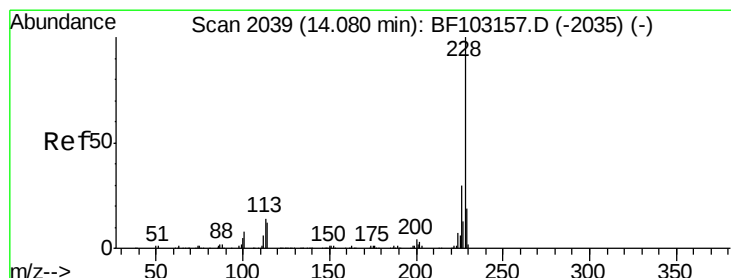
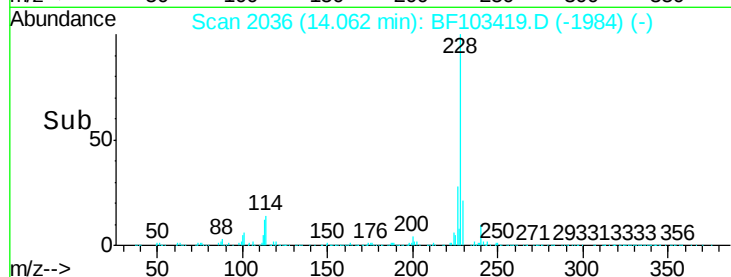
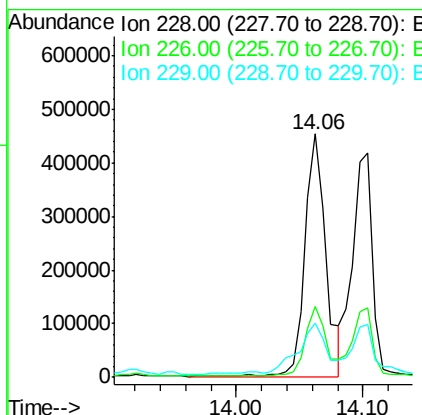
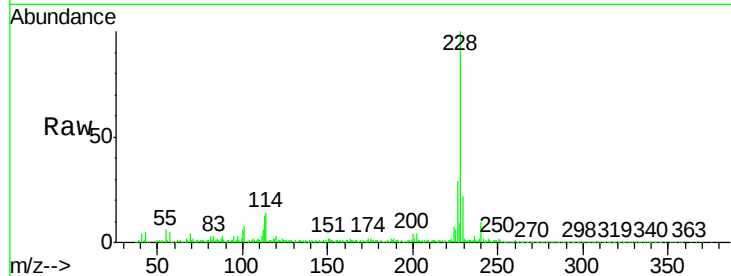
#80
Benzo(a)anthracene
Concen: 37.037 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.01 min
Lab File: BF103419.D
Acq: 5 Mar 2018 20:03

Instrument :
BNA_F
ClientSampled :
SP-20

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	22.5	15.8	23.6

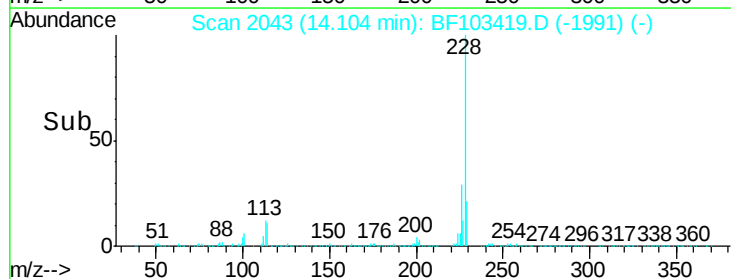
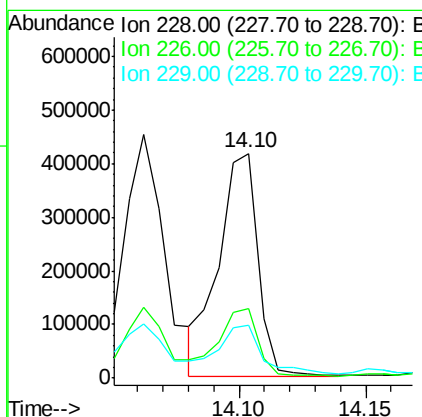
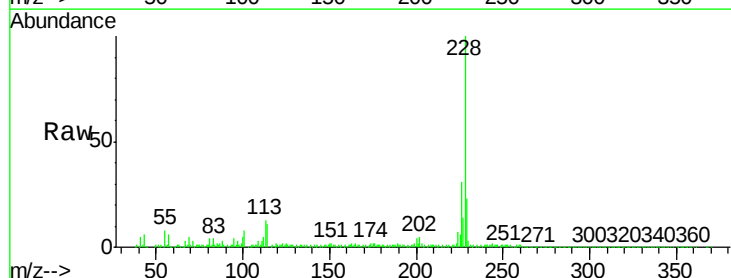
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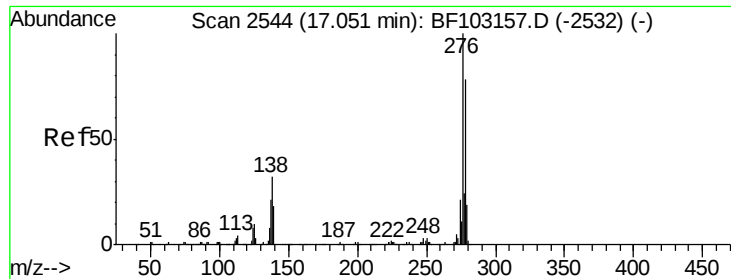
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#82
Chrysene
Concen: 33.466 ng
RT: 14.10 min Scan# 2043
Delta R.T. 0.01 min
Lab File: BF103419.D
Acq: 5 Mar 2018 20:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	23.4	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 14.579 ng

RT: 17.15 min Scan# 2561

Delta R.T. 0.02 min

Lab File: BF103419.D

Acq: 5 Mar 2018 20:03

Instrument :

BNA_F

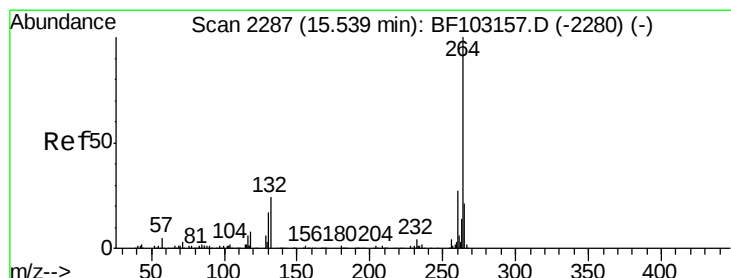
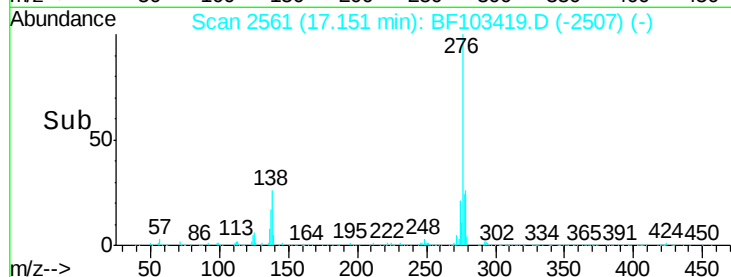
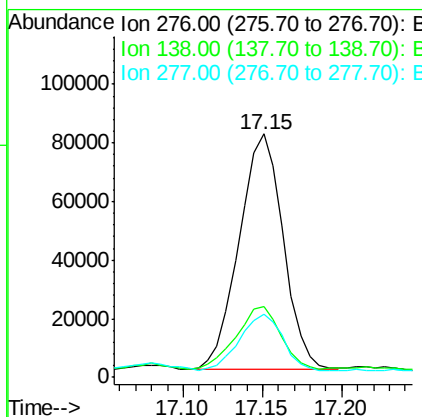
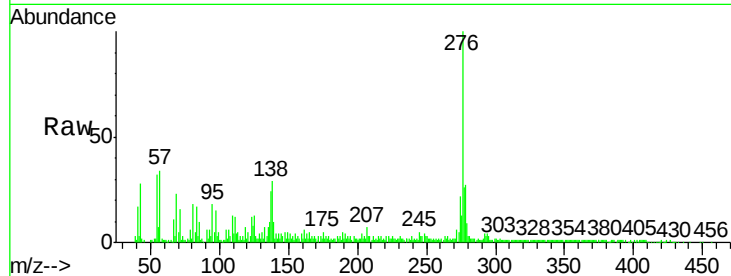
ClientSampled :

SP-20

Tot Ion:	276	Resp:	155986
Ion Ratio	Lower	Upper	
276	100		
138	27.9	25.0	37.6
277	23.9	20.1	30.1

Manual Integrations
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#86

Perylene-d12

Concen: 20.000 ng

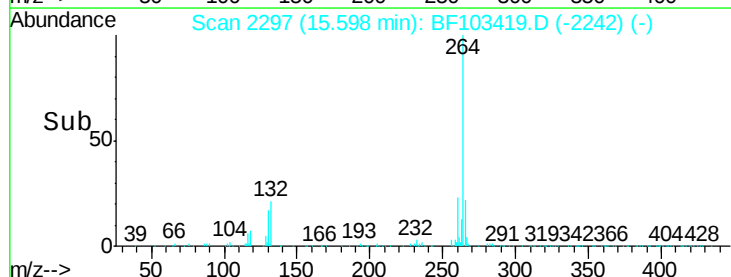
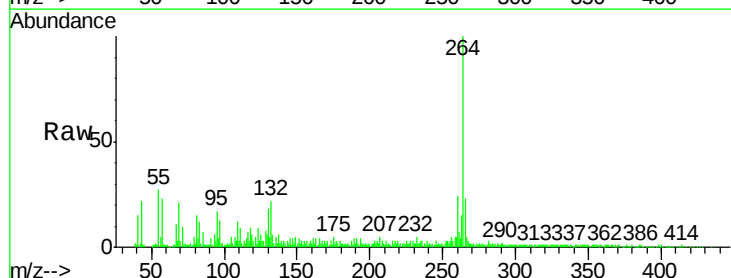
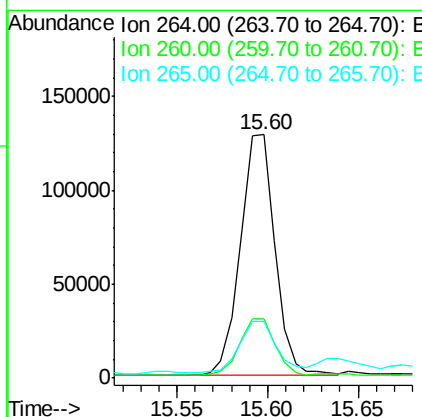
RT: 15.60 min Scan# 2297

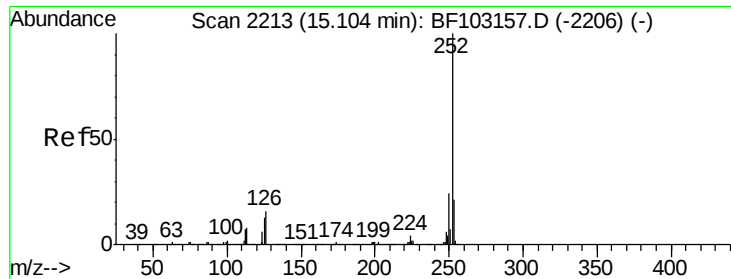
Delta R.T. 0.02 min

Lab File: BF103419.D

Acq: 5 Mar 2018 20:03

Tgt Ion:	264	Resp:	170191
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.2	28.8
265	23.4	17.5	26.3





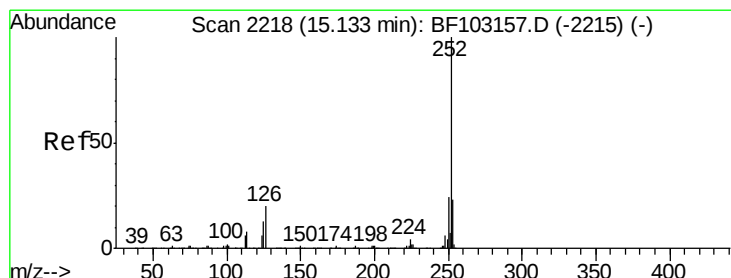
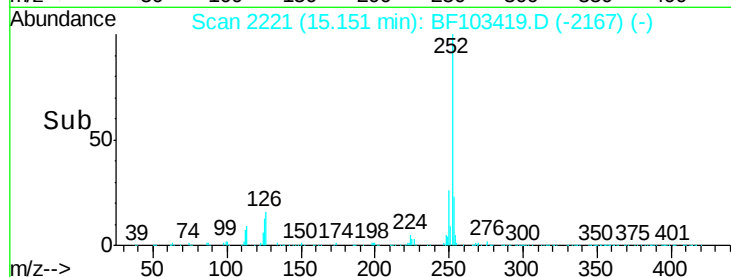
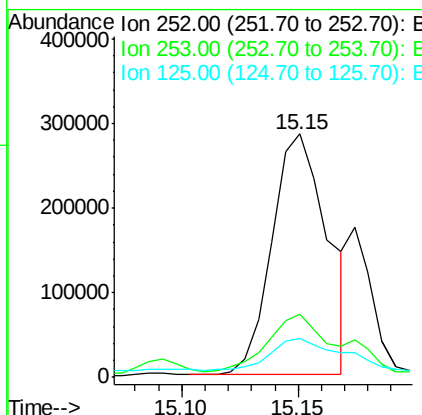
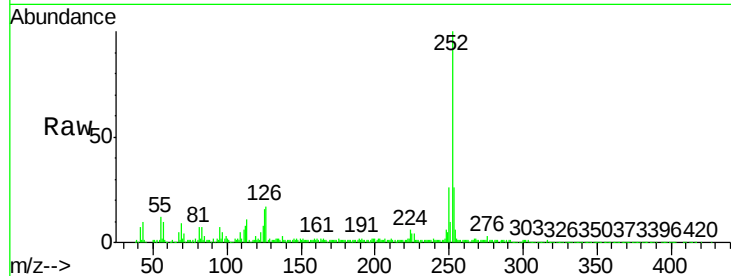
#87
Benzo(b)fluoranthene
Concen: 42.005 ng m
RT: 15.15 min Scan# 2221
Delta R.T. 0.02 min
Lab File: BF103419.D
Acq: 5 Mar 2018 20:03

Instrument :
BNA_F
ClientSampled :
SP-20

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.0	25.6#
125	16.1	9.0	13.6#

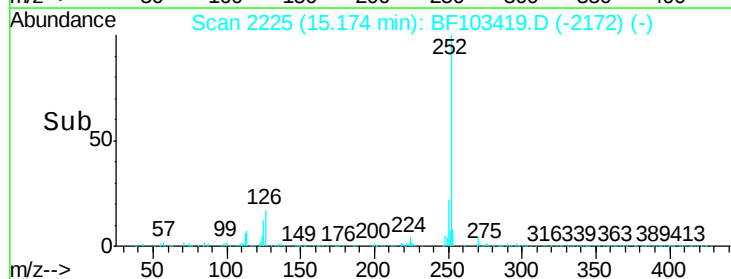
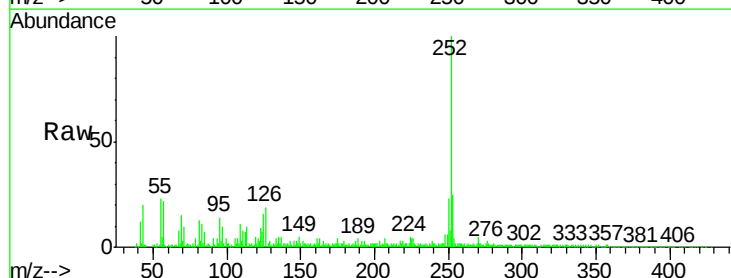
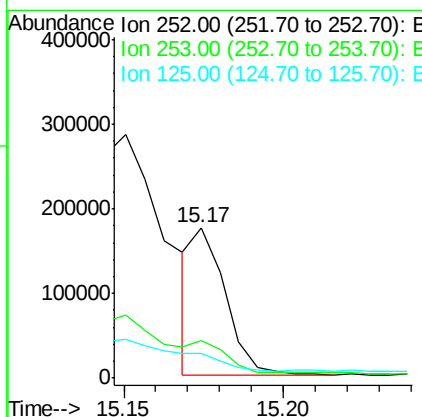
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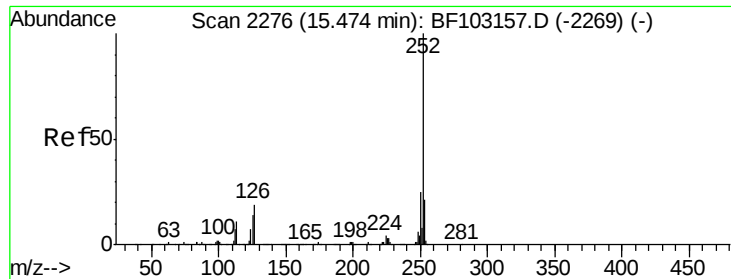
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#88
Benzo(k)fluoranthene
Concen: 11.889 ng m
RT: 15.17 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF103419.D
Acq: 5 Mar 2018 20:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	16.4	10.2	15.2#





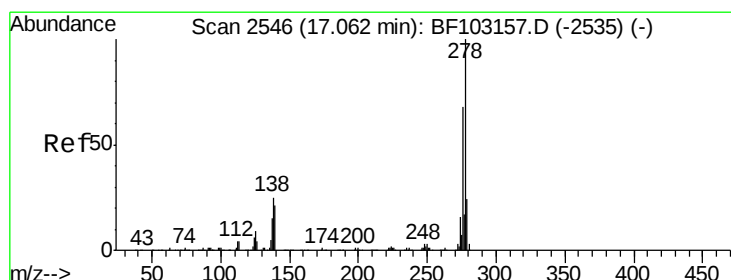
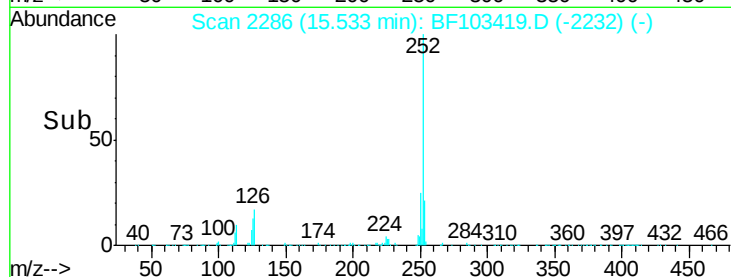
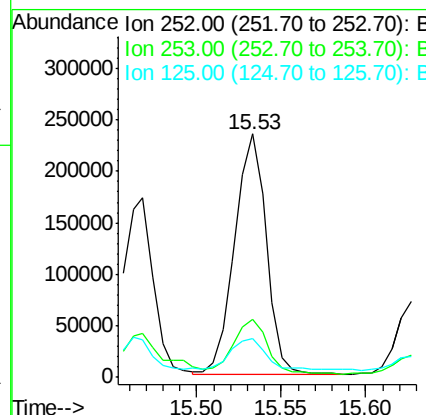
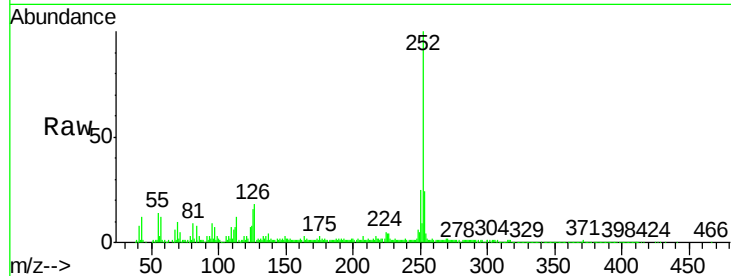
#89
Benzo(a)pyrene
Concen: 30.741 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.02 min
Lab File: BF103419.D
Acq: 5 Mar 2018 20:03

Instrument :
BNA_F
ClientSampleId :
SP-20

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	15.8	9.8	14.6

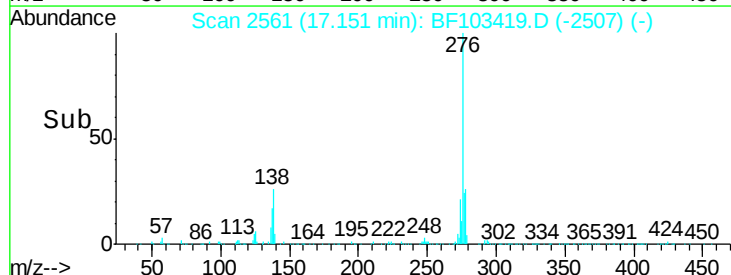
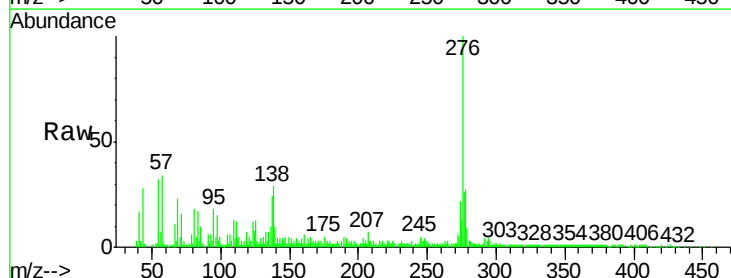
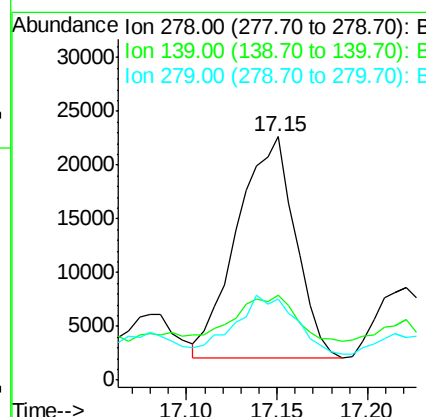
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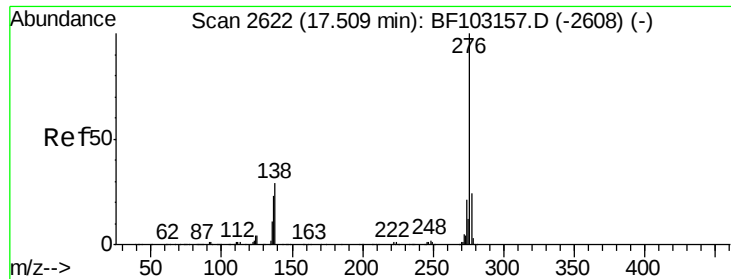
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#90
Dibenzo(a,h)anthracene
Concen: 5.923 ng
RT: 17.15 min Scan# 2561
Delta R.T. 0.02 min
Lab File: BF103419.D
Acq: 5 Mar 2018 20:03

Tgt Ion	Ratio	Lower	Upper
278	100		
139	34.9	15.9	23.9
279	33.2	19.0	28.4





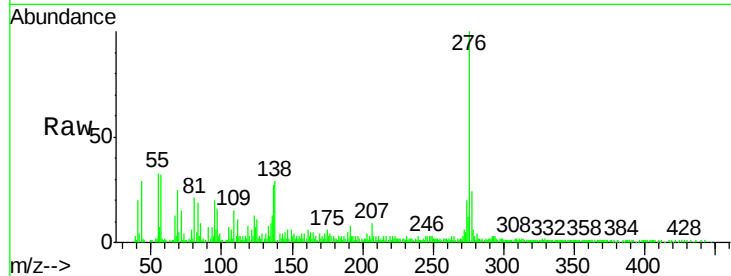
#91
 Benzo(a,h,i)perylene
 Concen: 20.095 ng
 RT: 17.63 min Scan# 2642
 Delta R.T. 0.04 min
 Lab File: BF103419.D
 Acq: 5 Mar 2018 20:03

Instrument :
 BNA_F
 ClientSampleId :
 SP-20

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	29.1	21.8	32.8

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

