

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN040120\
 Data File : BN010381.D
 Acq On : 02 Apr 2020 04:44
 Operator : CG/JU
 Sample : L2065-18
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBF14

Manual Integrations
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 4/3/2020 2:19:04 PM

Quant Time: Apr 02 06:10:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN040120MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 02 00:34:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	591771	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1737965m	20.00	ng/ul	0.05
36) Acenaphthene-d10	14.25	164	1764683	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.99	188	3789850	20.00	ng/ul	0.00
78) Chrysene-d12	21.19	240	4096545	20.00	ng/ul	0.00
86) Perylene-d12	23.36	264	4576905	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.21	96	18469	1.48	ng/uL	0.00
5) Phenol-d5	6.80	99	429430	8.70	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.96	67	808306	31.25	ng/ul	0.00
9) 2-Chlorophenol-d4	7.15	132	1120131	28.58	ng/ul	0.00
13) 4-Methylphenol-d8	8.34	113	792195	19.00	ng/ul	0.02
19) Nitrobenzene-d5	8.76	128	766474	59.40	ng/ul	0.01
22) 2-Nitrophenol-d4	9.49	143	775845	56.79	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.06	165	1399061	49.39	ng/ul	0.06
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
44) Dimethylphthalate-d6	13.66	166	4789409	35.97	ng/ul	0.01
47) Acenaphthylene-d8	13.93	160	5712479	36.72	ng/ul	0.00
52) 4-Nitrophenol-d4	14.45	143	247546	9.90	ng/ul	0.01
58) Fluorene-d10	15.24	176	4281585	36.90	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.36	200	782383	36.05	ng/ul	0.01
71) Anthracene-d10	17.09	188	6154080	35.36	ng/ul	0.01
79) Pyrene-d10	19.39	212	7602385	36.01	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.23	264	8767122	38.50	ng/ul	0.00
Target Compounds						
16) 4-Methylphenol	8.40	108	338184	7.704	ng/ul	87
24) 2,4-Dimethylphenol	9.63	107	588648m	18.444	ng/ul	
28) Naphthalene	10.42	128	90903788m	972.278	ng/ul	
34) 2-Methylnaphthalene	12.05	142	36848322m	542.479	ng/ul	
41) 1,1'-Biphenyl	13.07	154	17038564m	126.883	ng/ul	
48) Acenaphthylene	13.96	152	1959283	11.708	ng/ul#	93
50) Acenaphthene	14.30	153	28364574m	246.058	ng/ul	
54) Dibenzofuran	14.64	168	24755225m	152.462	ng/ul	
59) Fluorene	15.29	166	20836538m	157.680	ng/ul	
70) Phenanthrene	17.03	178	24508935m	116.710	ng/ul	
72) Anthracene	17.13	178	6141685	29.242	ng/ul	98
75) Carbazole	17.39	167	25821624m	147.848	ng/ul	
77) Fluoranthene	19.05	202	15806570m	70.678	ng/ul	
80) Pyrene	19.42	202	12997850	47.452	ng/ul	99
83) Benzo(a)anthracene	21.17	228	2493369	9.059	ng/ul	98
85) Chrysene	21.22	228	2155975	8.214	ng/ul	97
88) Benzo(b)fluoranthene	22.72	252	1189249	4.291	ng/ul	96
89) Benzo(k)fluoranthene	22.75	252	322040m	1.196	ng/ul	
91) Benzo(a)pyrene	23.26	252	539222	2.078	ng/ul	100

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

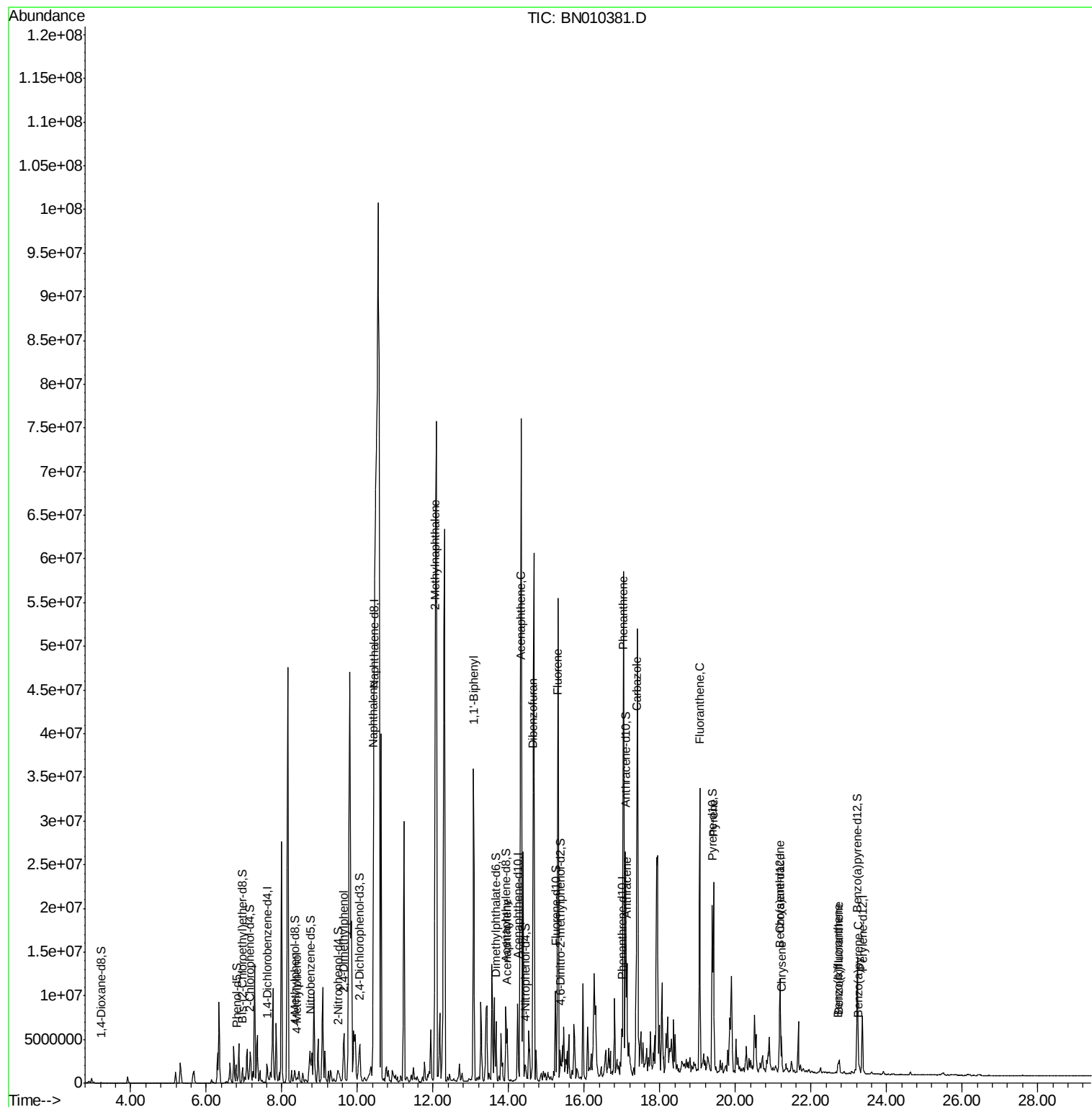
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN040120\
Data File : BN010381.D
Acq On : 02 Apr 2020 04:44
Operator : CG/JU
Sample : L2065-18
Misc :
ALS Vial : 18 Sample Multiplier: 1

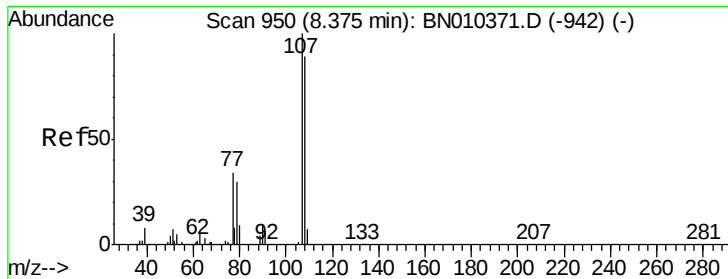
Instrument :
BNA_N
ClientSampleId :
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Quant Time: Apr 02 06:10:23 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN040120MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 02 00:34:36 2020
Response via : Initial Calibration





#16

4-Methylphenol

Concen: 7.704 ng/ul

RT: 8.40 min Scan# 954

Delta R.T. 0.02 min

Lab File: BN010381.D

Acq: 02 Apr 2020 04:44

Instrument :

BNA_N

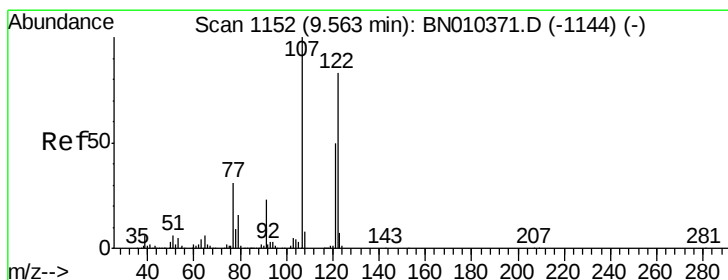
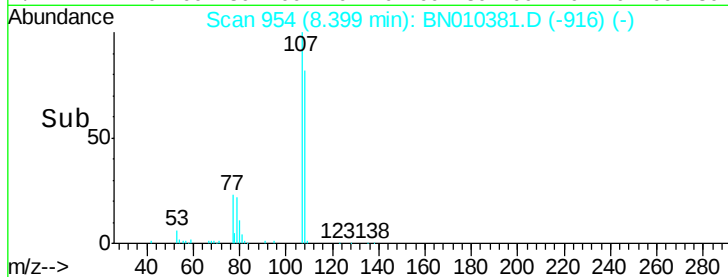
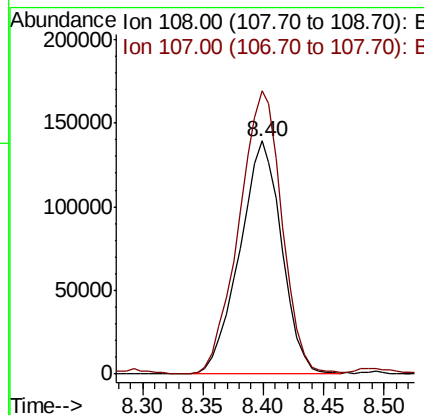
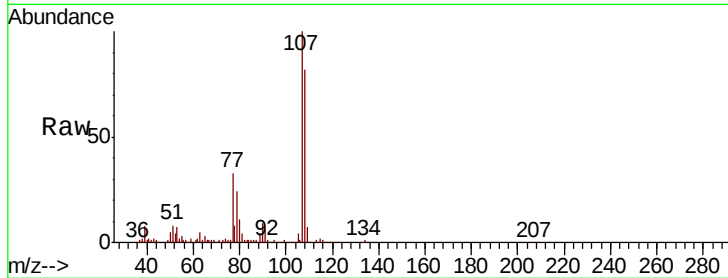
ClientSampleId :

DBF14

Tot Ion	Ratio	Resp	Lower	Upper
108	100	338184		
107	121.4	86.1	129.1	

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#24

2,4-Dimethylphenol

Concen: 18.444 ng/ul m

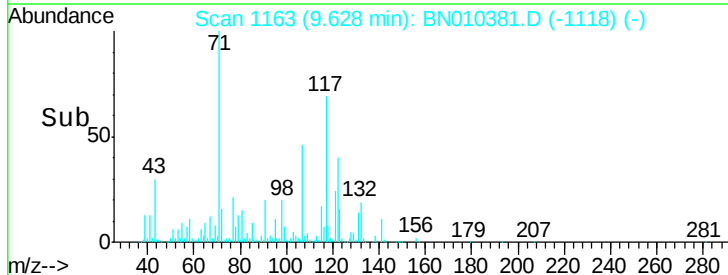
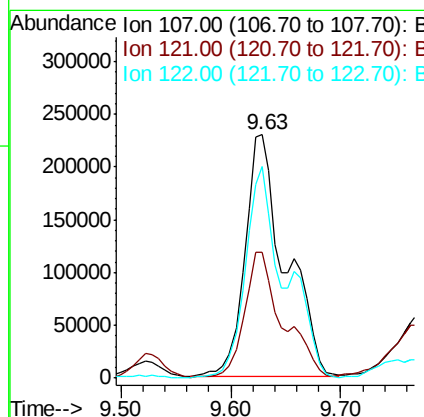
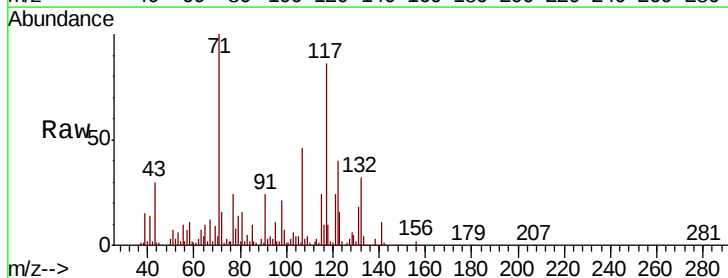
RT: 9.63 min Scan# 1163

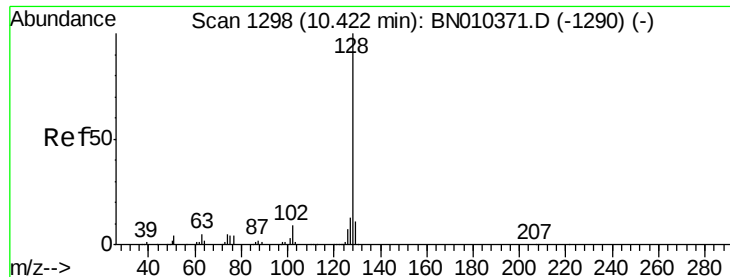
Delta R.T. 0.06 min

Lab File: BN010381.D

Acq: 02 Apr 2020 04:44

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	588648		
121	51.9	40.2	60.4	
122	86.9	69.0	103.6	





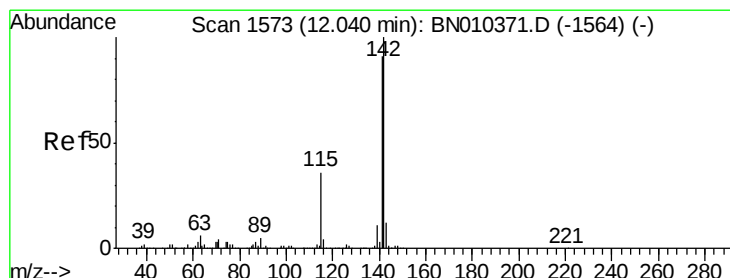
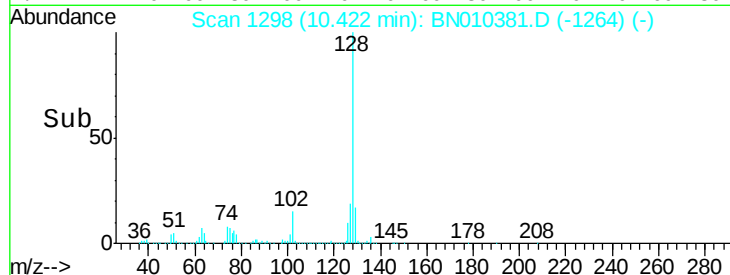
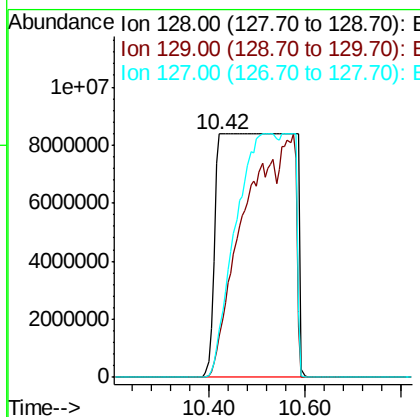
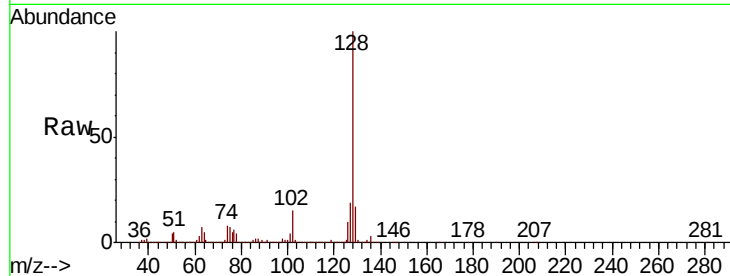
#28
Naphthalene
Concen: 972.278 ng/ul m
RT: 10.42 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BN010381.D
Acq: 02 Apr 2020 04:44

Instrument :
BNA_N
ClientSampled :
DBF14

Tot Ion:128 Resp:90903788
Ion Ratio Lower Upper
128 100
129 17.1 8.6 13.0#
127 19.4 10.8 16.2#

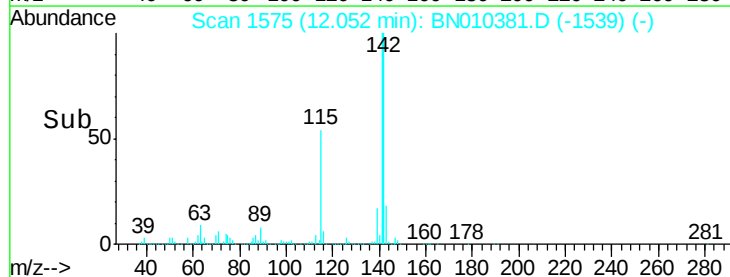
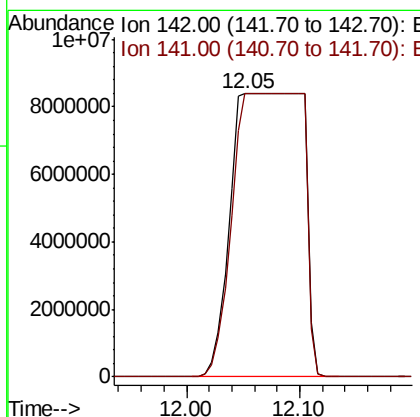
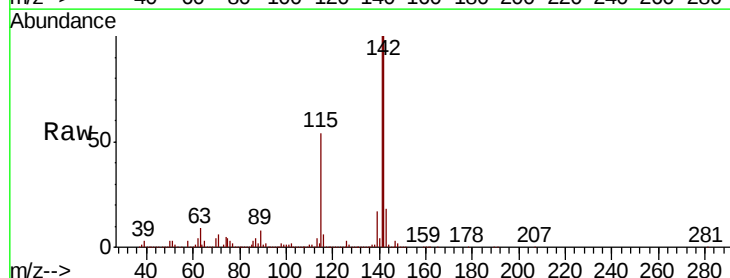
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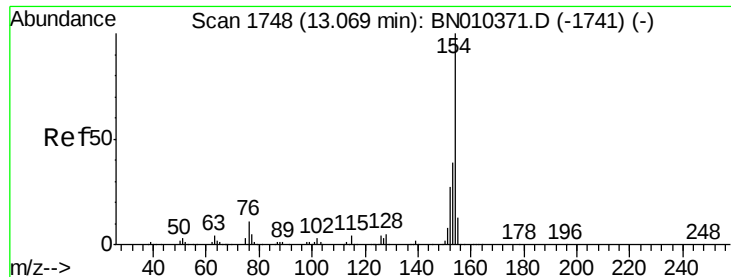
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#34
2-Methylnaphthalene
Concen: 542.479 ng/ul m
RT: 12.05 min Scan# 1575
Delta R.T. 0.01 min
Lab File: BN010381.D
Acq: 02 Apr 2020 04:44

Tgt Ion:142 Resp:36848322
Ion Ratio Lower Upper
142 100
141 100.0 72.1 108.1





#41

1,1'-Biphenyl

Concen: 126.883 ng/ul m

RT: 13.07 min Scan# 1748

Delta R.T. 0.00 min

Lab File: BN010381.D

Acq: 02 Apr 2020 04:44

Instrument :

BNA_N

ClientSampled :

DBF14

Tot Ion:154 Resp:17038564

Ion Ratio Lower Upper

154 100

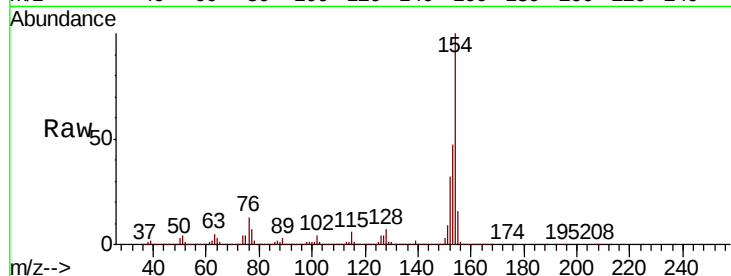
153 47.4 32.6 49.0

76 13.3 9.4 14.2

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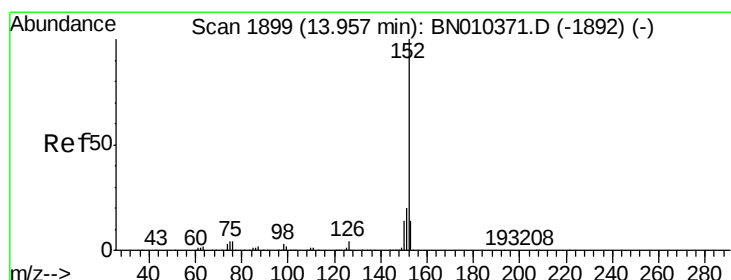
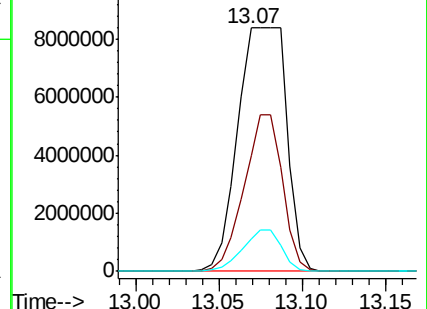
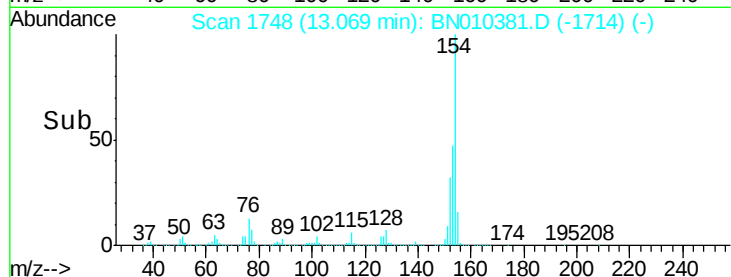
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BNC



#48

Acenaphthylene

Concen: 11.708 ng/ul

RT: 13.96 min Scan# 1899

Delta R.T. 0.00 min

Lab File: BN010381.D

Acq: 02 Apr 2020 04:44

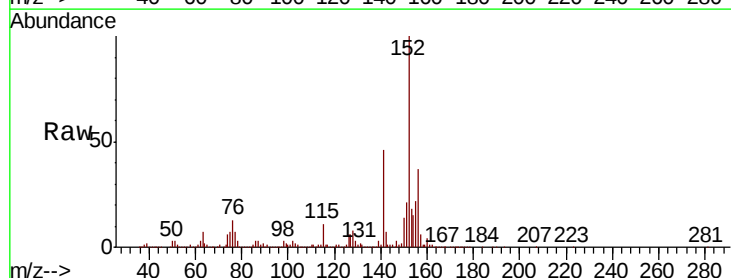
Tgt Ion:152 Resp: 1959283

Ion Ratio Lower Upper

152 100

151 21.4 16.3 24.5

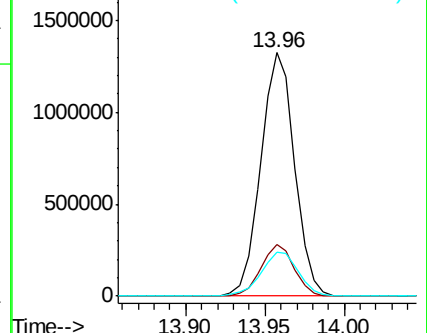
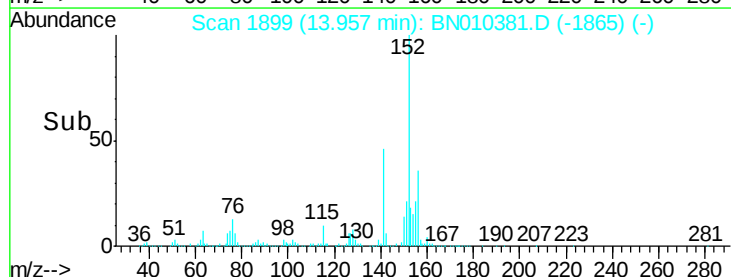
153 18.0 10.2 15.2#

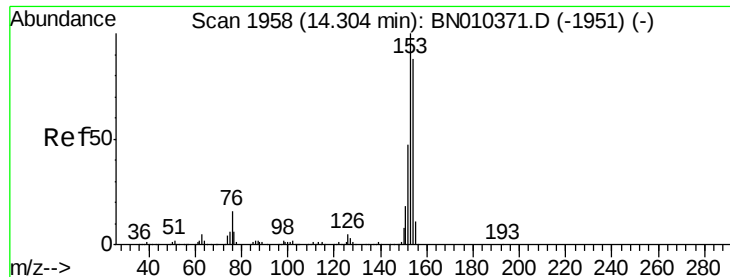


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 246.058 ng/ul m

RT: 14.30 min Scan# 1958

Delta R.T. 0.00 min

Lab File: BN010381.D

Acq: 02 Apr 2020 04:44

Instrument :

BNA_N

ClientSampleId :

DBF14

Tot Ion:153 Resp:28364574

Ion Ratio Lower Upper

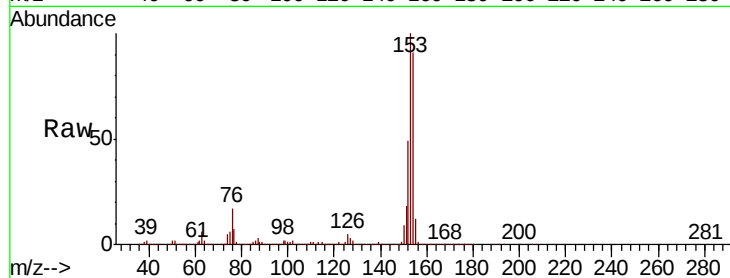
153 100

152 49.0 37.8 56.6

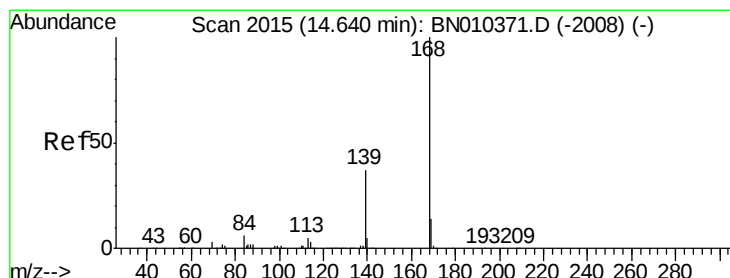
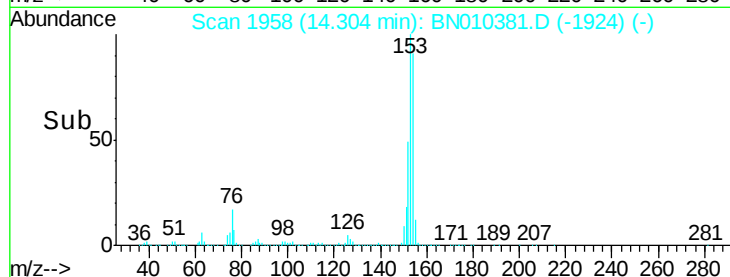
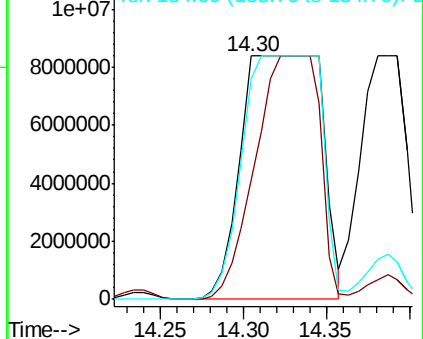
154 90.5 69.1 103.7

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#54

Dibenzofuran

Concen: 152.462 ng/ul m

RT: 14.64 min Scan# 2015

Delta R.T. 0.00 min

Lab File: BN010381.D

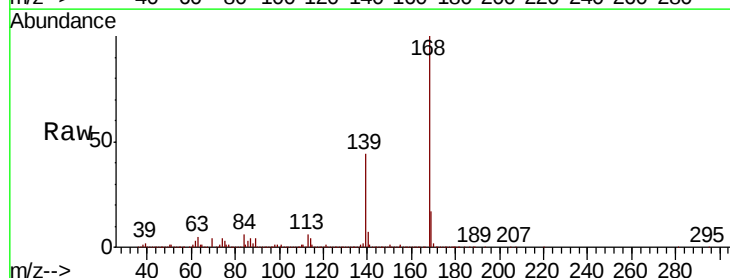
Acq: 02 Apr 2020 04:44

Tgt Ion:168 Resp:24755225

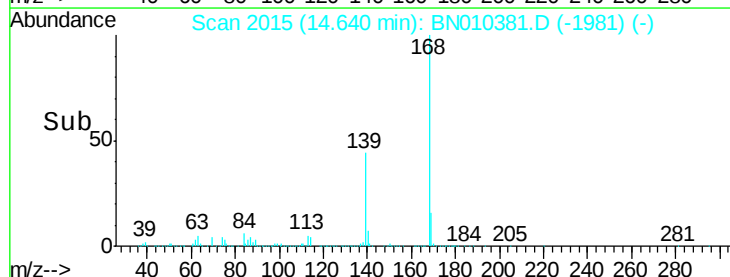
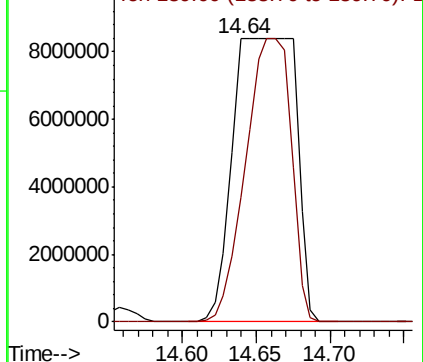
Ion Ratio Lower Upper

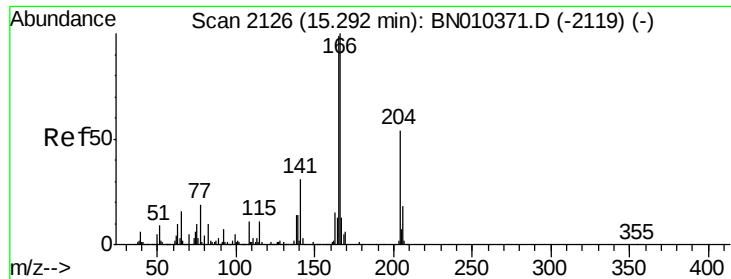
168 100

139 43.9 29.0 43.4#



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





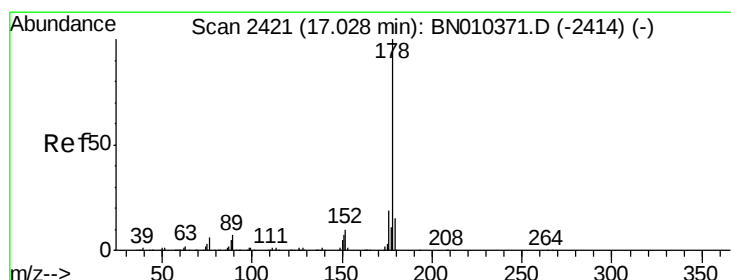
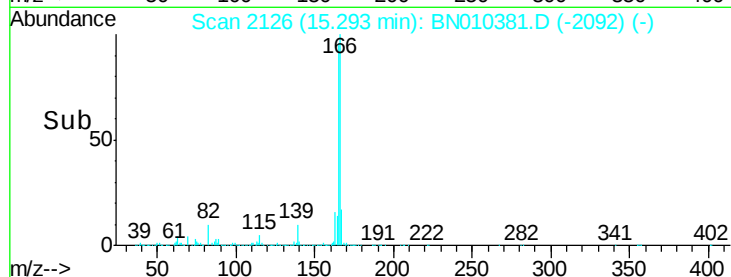
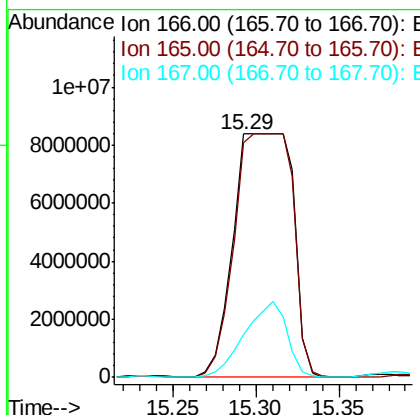
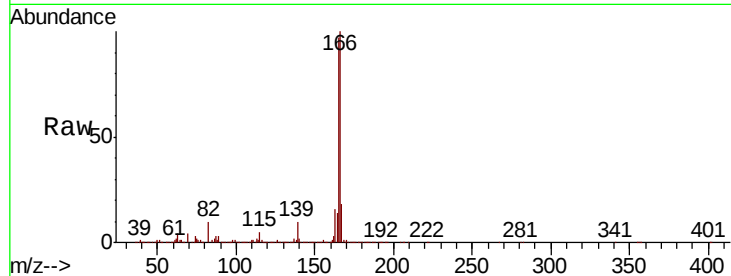
#59
Fluorene
 Concen: 157.680 ng/ul m
 RT: 15.29 min Scan# 2126
 Delta R.T. 0.00 min
 Lab File: BN010381.D
 Acq: 02 Apr 2020 04:44

Instrument :
 BNA_N
 ClientSampleId :
 DBF14

Tot Ion:166 Resp:20836538
 Ion Ratio Lower Upper
 166 100
 165 96.6 77.6 116.4
 167 17.6 10.7 16.1#

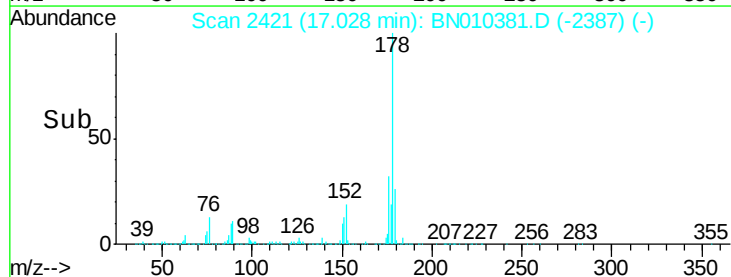
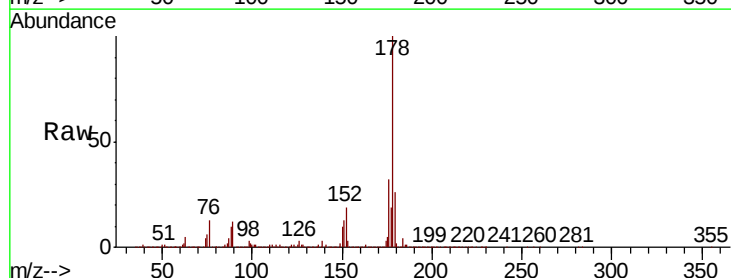
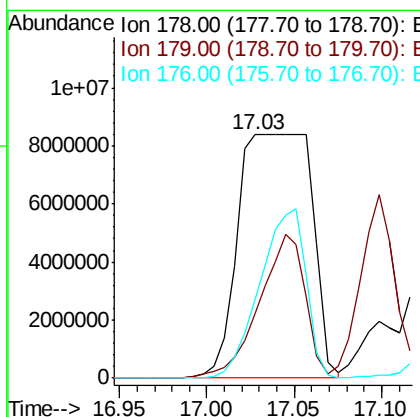
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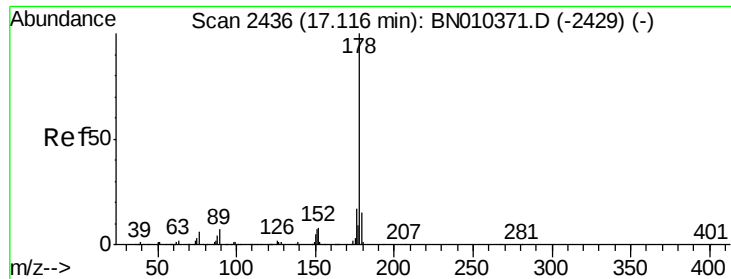
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#70
Phenanthrene
 Concen: 116.710 ng/ul m
 RT: 17.03 min Scan# 2421
 Delta R.T. 0.00 min
 Lab File: BN010381.D
 Acq: 02 Apr 2020 04:44

Tgt Ion:178 Resp:24508935
 Ion Ratio Lower Upper
 178 100
 179 26.4 11.9 17.9#
 176 32.1 15.4 23.2#





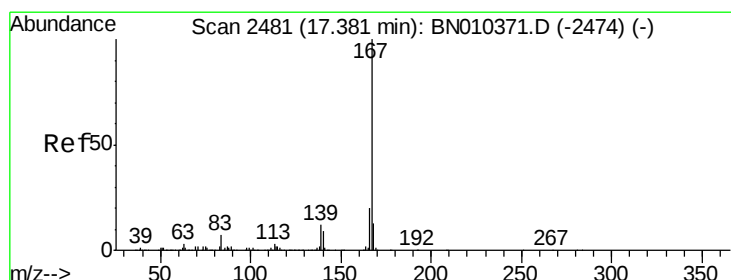
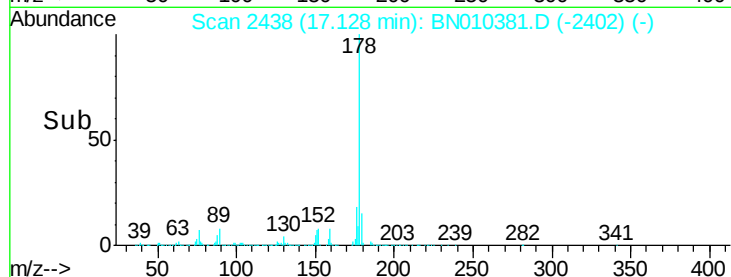
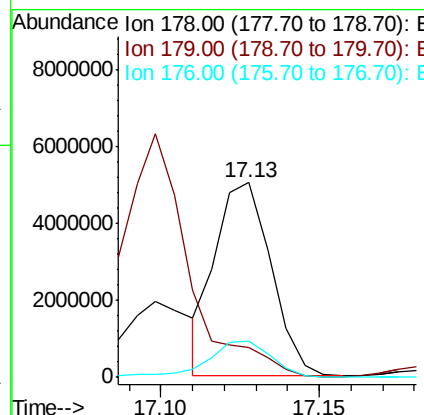
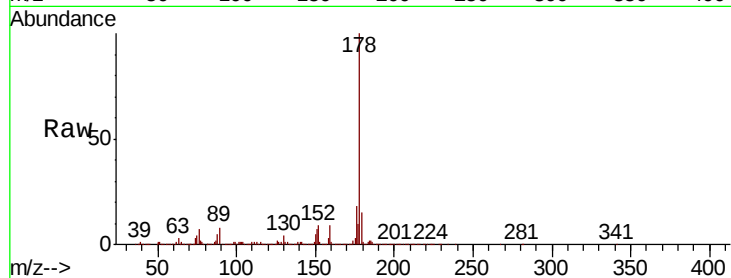
#72
 Anthracene
 Concen: 29.242 ng/ul
 RT: 17.13 min Scan# 2438
 Delta R.T. 0.01 min
 Lab File: BN010381.D
 Acq: 02 Apr 2020 04:44

Instrument :
 BNA_N
 ClientSampleId :
 DBF14

Tot Ion:178 Resp: 6141685
 Ion Ratio Lower Upper
 178 100
 179 15.1 12.9 19.3
 176 18.4 15.2 22.8

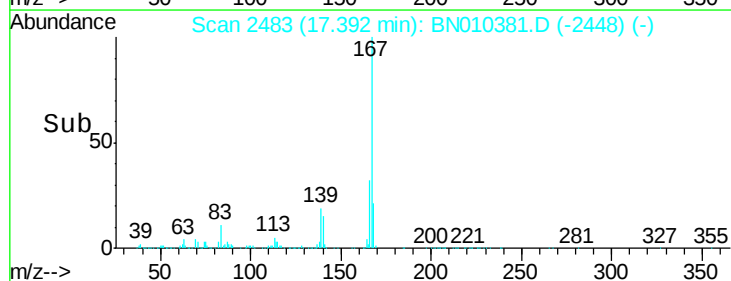
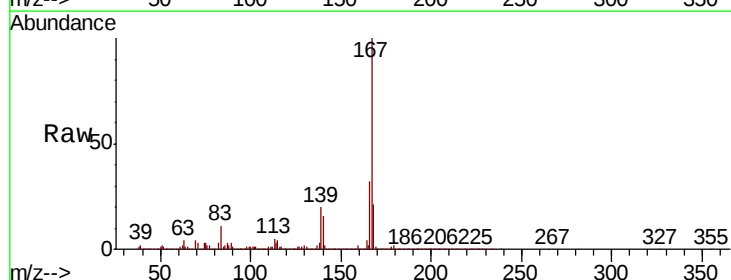
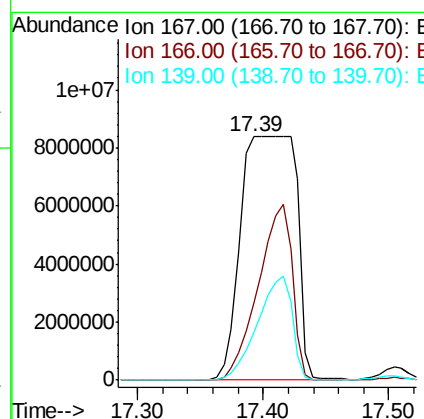
Manual Integrations
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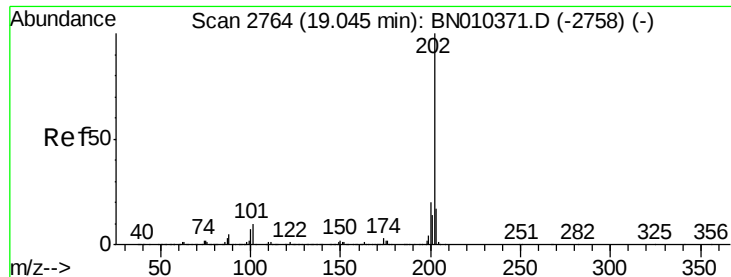
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#75
 Carbazole
 Concen: 147.848 ng/ul m
 RT: 17.39 min Scan# 2483
 Delta R.T. 0.01 min
 Lab File: BN010381.D
 Acq: 02 Apr 2020 04:44

Tgt Ion:167 Resp:25821624
 Ion Ratio Lower Upper
 167 100
 166 31.6 17.3 25.9#
 139 19.5 10.0 15.0#





#77

Fluoranthene

Concen: 70.678 ng/ul m

RT: 19.05 min Scan# 2765

Delta R.T. 0.01 min

Lab File: BN010381.D

Acq: 02 Apr 2020 04:44

Instrument :

BNA_N

ClientSampleId :

DBF14

Tot Ion:202 Resp:15806570

Ion Ratio Lower Upper

202 100

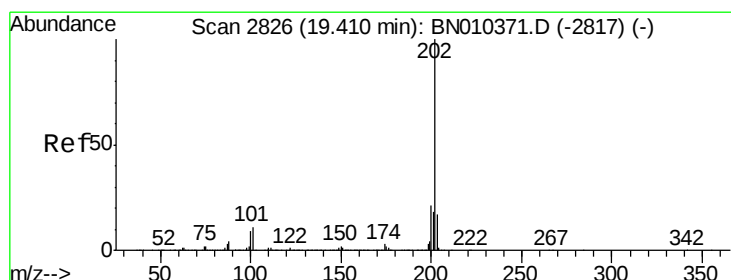
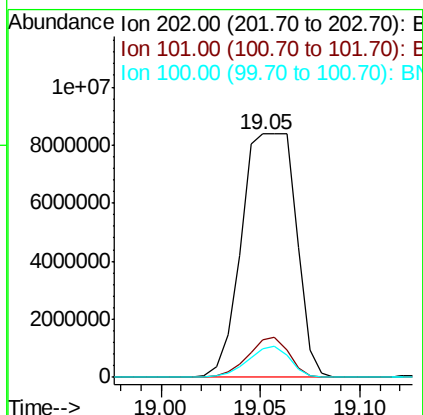
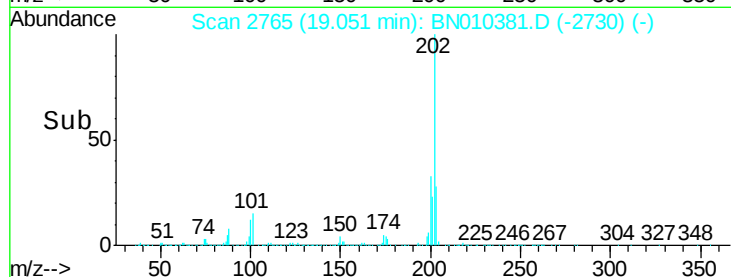
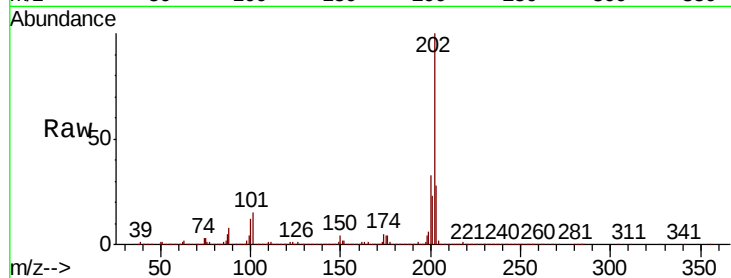
101 15.4 8.1 12.1#

100 12.0 6.2 9.4#

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#80

Pyrene

Concen: 47.452 ng/ul

RT: 19.42 min Scan# 2827

Delta R.T. 0.01 min

Lab File: BN010381.D

Acq: 02 Apr 2020 04:44

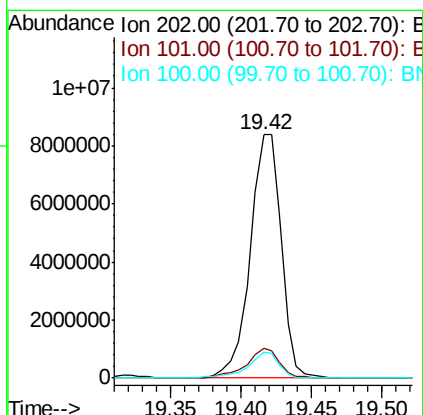
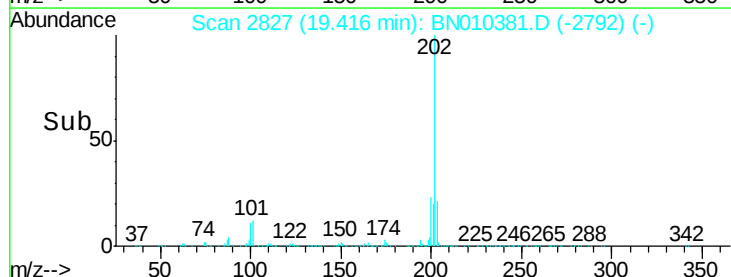
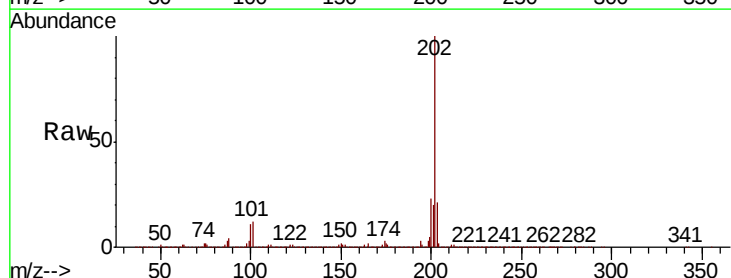
Tgt Ion:202 Resp:12997850

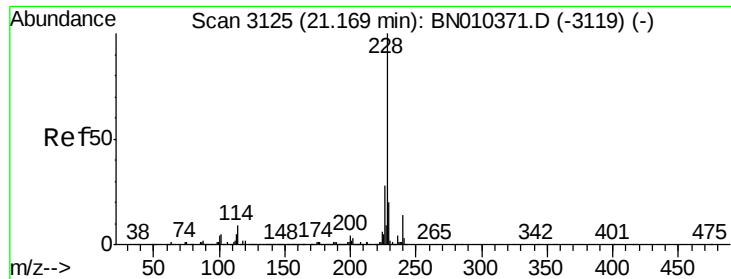
Ion Ratio Lower Upper

202 100

101 12.4 9.6 14.4

100 10.6 8.1 12.1





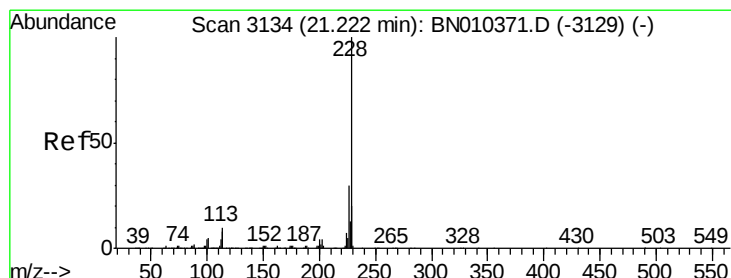
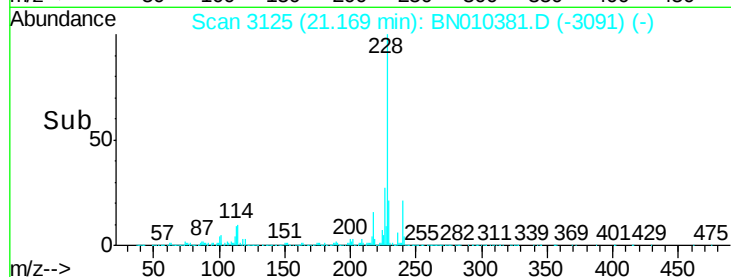
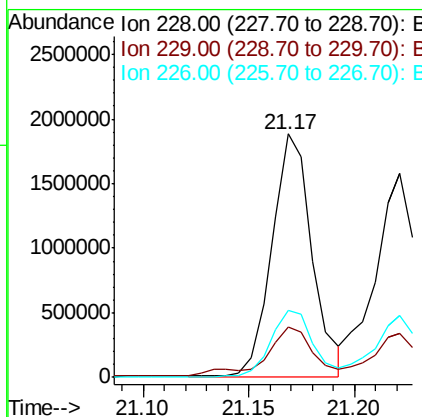
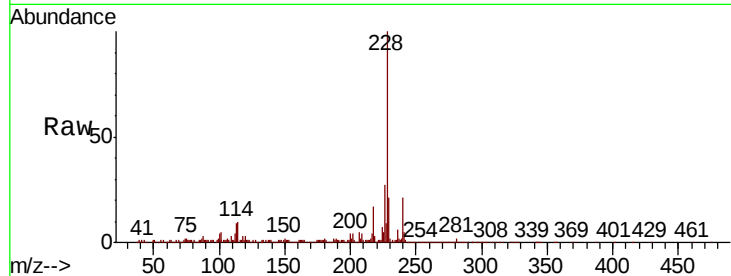
#83
Benzo(a)anthracene
Concen: 9.059 ng/ul
RT: 21.17 min Scan# 3125
Delta R.T. 0.00 min
Lab File: BN010381.D
Acq: 02 Apr 2020 04:44

Instrument :
BNA_N
ClientSampled :
DBF14

Tot Ion:228 Resp: 2493369
Ion Ratio Lower Upper
228 100
229 20.9 15.7 23.5
226 27.3 21.0 31.6

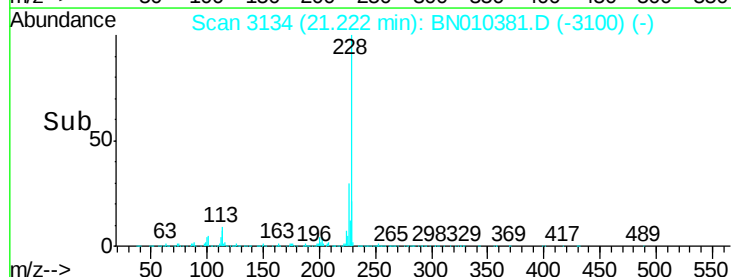
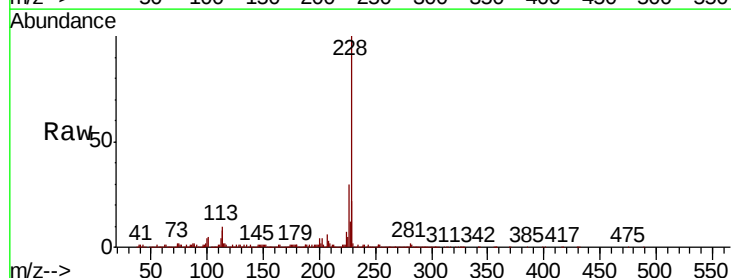
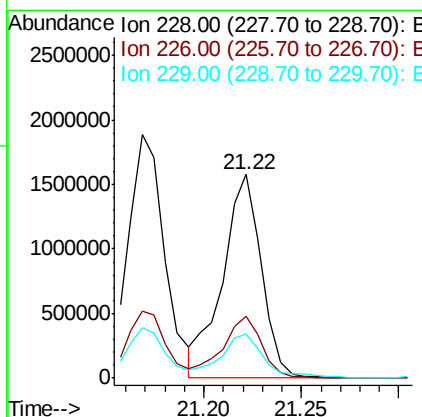
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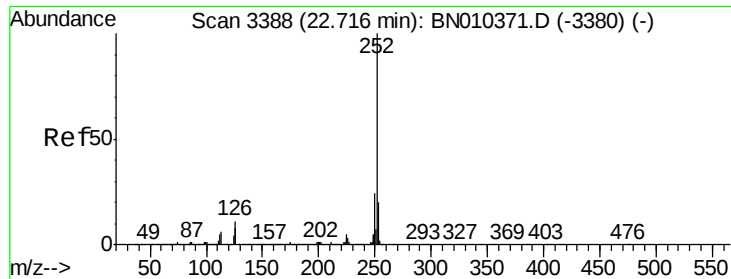
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#85
Chrysene
Concen: 8.214 ng/ul
RT: 21.22 min Scan# 3134
Delta R.T. 0.00 min
Lab File: BN010381.D
Acq: 02 Apr 2020 04:44

Tgt Ion:228 Resp: 2155975
Ion Ratio Lower Upper
228 100
226 30.1 23.0 34.6
229 21.8 15.7 23.5





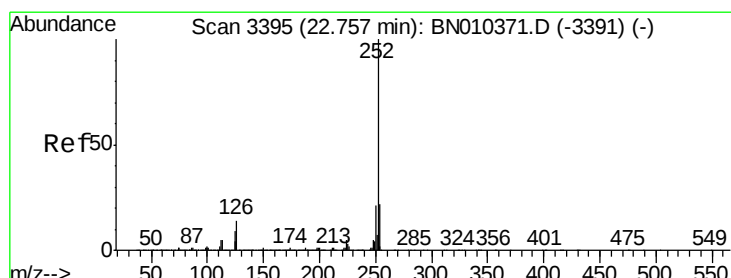
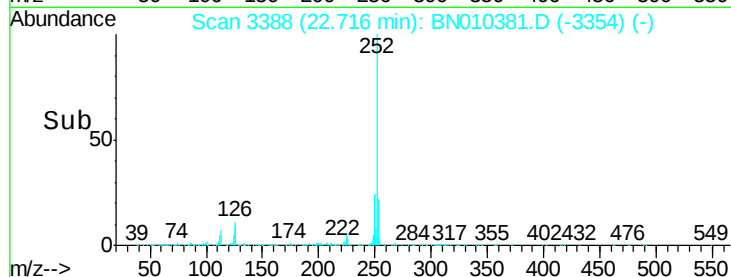
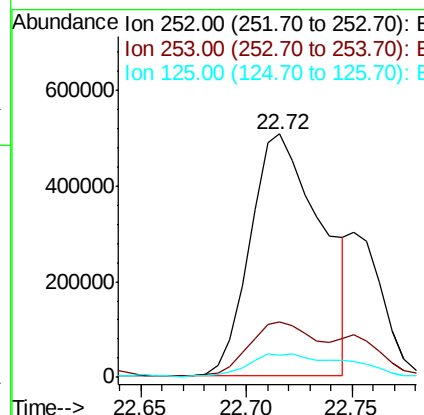
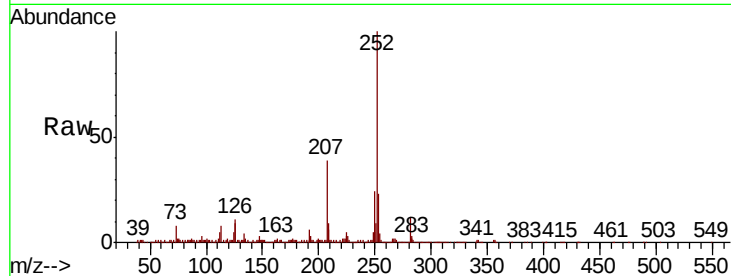
#88
Benzo(b)fluoranthene
Concen: 4.291 ng/uL
RT: 22.72 min Scan# 3388
Delta R.T. 0.00 min
Lab File: BN010381.D
Acq: 02 Apr 2020 04:44

Instrument :
BNA_N
ClientSampleId :
DBF14

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	16.0	24.0
125	9.3	7.4	11.0

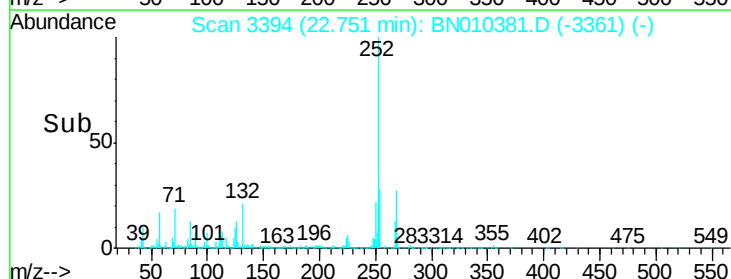
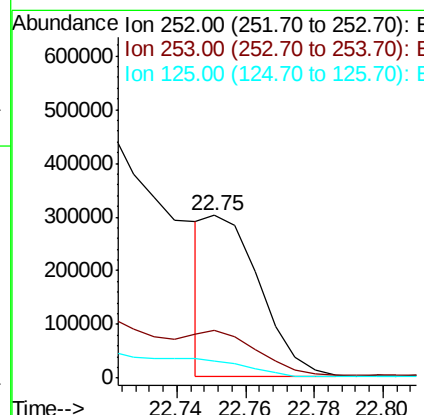
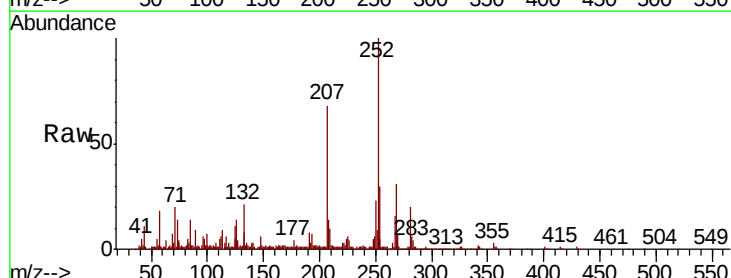
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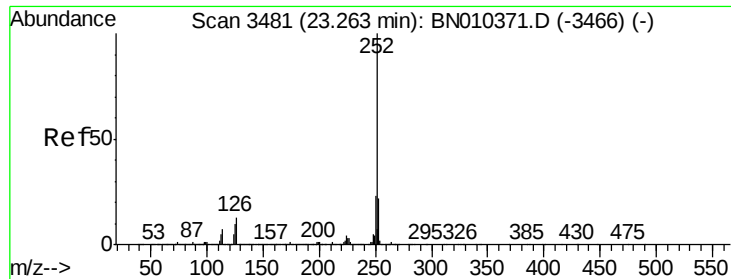
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#89
Benzo(k)fluoranthene
Concen: 1.196 ng/uL m
RT: 22.75 min Scan# 3394
Delta R.T. -0.01 min
Lab File: BN010381.D
Acq: 02 Apr 2020 04:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.6	18.6	27.8#
125	10.7	8.1	12.1





#91
Benzo(a)pyrene
Concen: 2.078 ng/ul
RT: 23.26 min Scan# 3481
Delta R.T. -0.01 min
Lab File: BN010381.D
Acq: 02 Apr 2020 04:44

Instrument :
BNA_N
ClientSampleId :
DBF14

Tot Ion	Ion	Ratio	Resp	Lower	Upper
539222	252	100			
	253	23.2		18.6	27.8
	125	10.6		8.9	13.3

Manual Integrations
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