

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082020\
 Data File : BN011547.D
 Acq On : 21 Aug 2020 05:52
 Operator : CG/JU
 Sample : L3708-05
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 DBFS5

Manual Integrations
 APPROVED

mohammad
 8/21/2020 12:51:17 PM

Quant Time: Aug 21 10:40:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 21 07:37:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	193747	20.00	ng/ul	0.00
18) Naphthalene-d8	10.17	136	662819	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.05	164	436976	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.81	188	959423	20.00	ng/ul	0.00
78) Chrysene-d12	21.03	240	951146	20.00	ng/ul	0.00
86) Perylene-d12	23.13	264	911060	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	20351	5.04	ng/uL	0.00
5) Phenol-d5	6.62	99	74491	5.44	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.78	67	194646	27.87	ng/ul	0.00
9) 2-Chlorophenol-d4	6.96	132	261001	21.26	ng/ul	0.00
13) 4-Methylphenol-d8	8.13	113	151589	13.63	ng/ul	0.00
19) Nitrobenzene-d5	8.56	128	162019	31.54	ng/ul	0.00
22) 2-Nitrophenol-d4	9.27	143	179629	31.09	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.80	165	288966	26.47	ng/ul	0.00
29) 4-Chloroaniline-d4	10.32	131	21509	1.65	ng/ul	0.00
44) Dimethylphthalate-d6	13.48	166	1058300	31.10	ng/ul	0.00
47) Acenaphthylene-d8	13.74	160	1178835	28.79	ng/ul	0.00
52) 4-Nitrophenol-d4	14.29	143	30597	5.31	ng/ul	0.00
58) Fluorene-d10	15.06	176	919431	30.87	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.20	200	203624	32.00	ng/ul	0.00
71) Anthracene-d10	16.91	188	1493085	32.58	ng/ul	0.00
79) Pyrene-d10	19.22	212	1719672	35.19	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.01	264	1637755	32.37	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.23	128	27417953m	741.226	ng/ul
34) 2-Methylnaphthalene	11.83	142	2568300	101.293	ng/ul
40) 2,4,5-Trichlorophenol	12.54	196	23832	2.452	ng/ul
41) 1,1'-Biphenyl	12.87	154	833099	23.755	ng/ul
45) Dimethylphthalate	13.53	163	134481	3.851	ng/ul
48) Acenaphthylene	13.77	152	198579	4.682	ng/ul
50) Acenaphthene	14.12	153	2341188	78.858	ng/ul
54) Dibenzofuran	14.46	168	2284273	53.053	ng/ul
56) 2,3,4,6-Tetrachlorophenol	14.69	232	85324m	10.514	ng/ul
59) Fluorene	15.12	166	1121109	32.306	ng/ul
69) Pentachlorophenol	16.47	266	292547	42.014	ng/ul#
70) Phenanthrene	16.86	178	1497250	26.311	ng/ul
72) Anthracene	16.95	178	132441	2.298	ng/ul
75) Carbazole	17.23	167	6968066	143.756	ng/ul
77) Fluoranthene	18.88	202	123815	1.778	ng/ul
80) Pyrene	19.25	202	66992	1.001	ng/ul

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

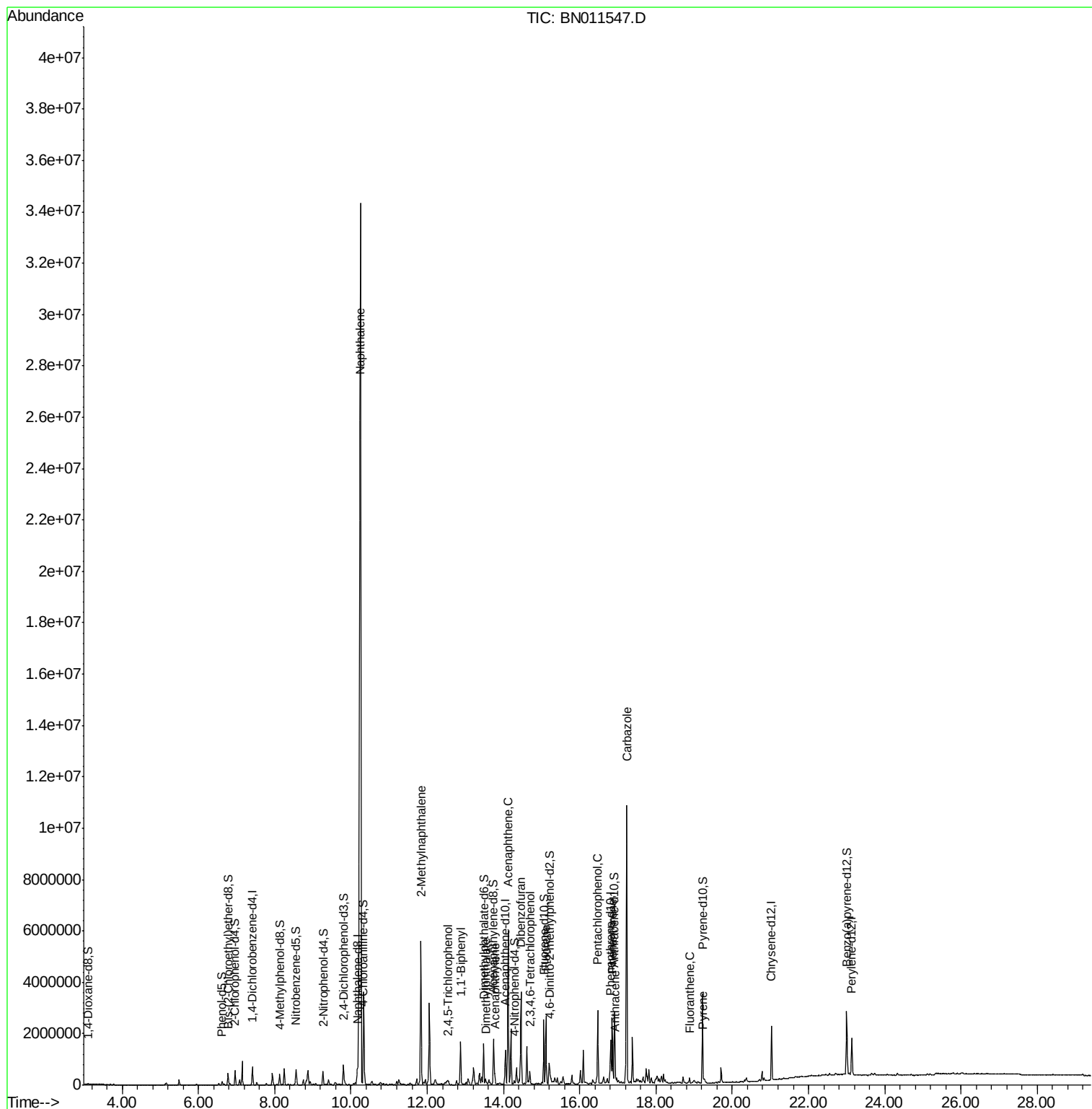
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082020\
Data File : BN011547.D
Acq On : 21 Aug 2020 05:52
Operator : CG/JU
Sample : L3708-05
Misc :
ALS Vial : 27 Sample Multiplier: 1

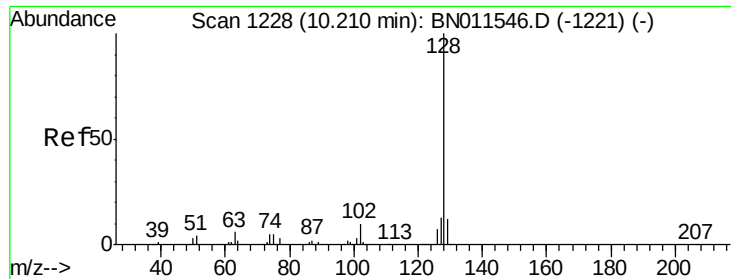
Instrument :
BNA_N
ClientSampleId :
DBFS5

Manual Integrations
APPROVED

mohammad
8/21/2020 12:51:17 PM

Quant Time: Aug 21 10:40:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 21 07:37:59 2020
Response via : Initial Calibration





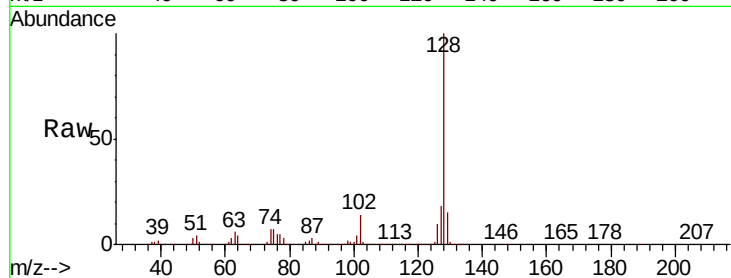
#28
Naphthalene
Concen: 741.226 ng/ul m
RT: 10.23 min Scan# 1231
Delta R.T. 0.02 min
Lab File: BN011547.D
Acq: 21 Aug 2020 05:52

Instrument :
BNA_N
ClientSampleId :
DBFS5

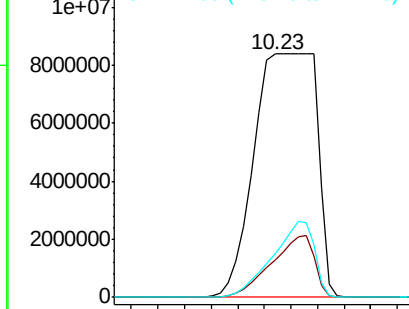
Tot Ion:128 Resp:27417953
Ion Ratio Lower Upper
128 100
129 15.5 8.9 13.3#
127 17.9 10.2 15.2#

Manual Integrations
APPROVED

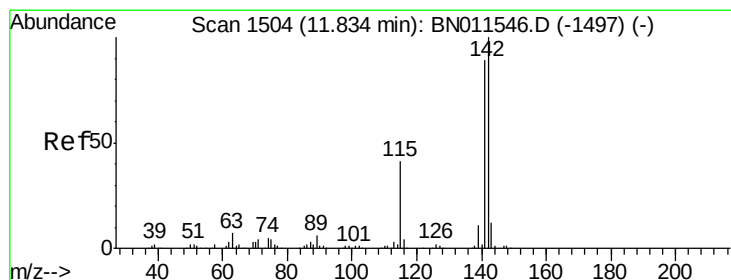
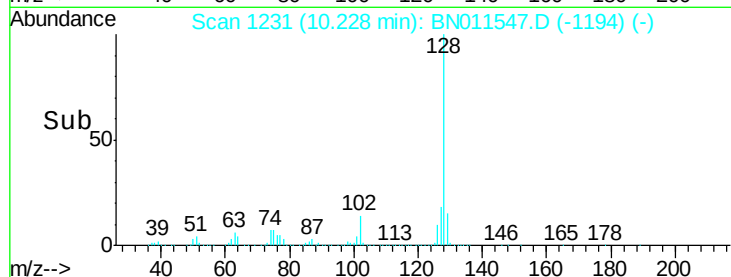
mohammad
8/21/2020 12:51:17 PM



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

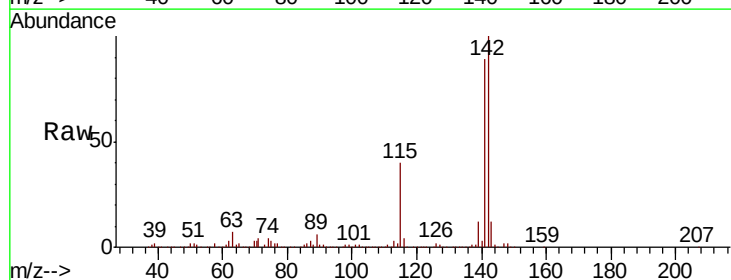


Time-->

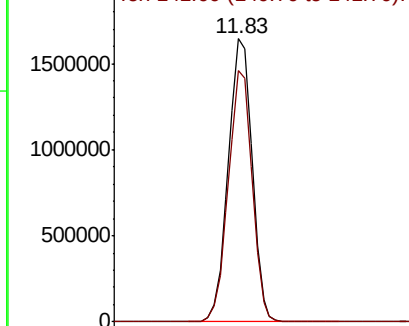


#34
2-Methylnaphthalene
Concen: 101.293 ng/ul
RT: 11.83 min Scan# 1504
Delta R.T. -0.00 min
Lab File: BN011547.D
Acq: 21 Aug 2020 05:52

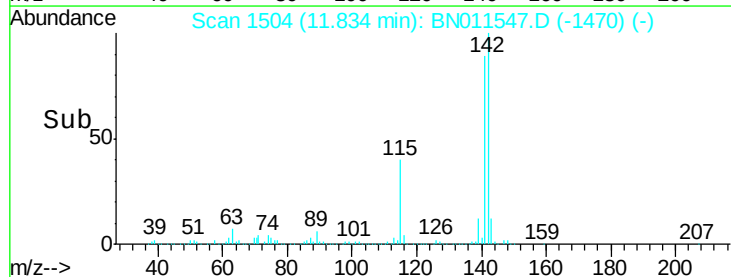
Tgt Ion:142 Resp: 2568300
Ion Ratio Lower Upper
142 100
141 88.9 73.2 109.8

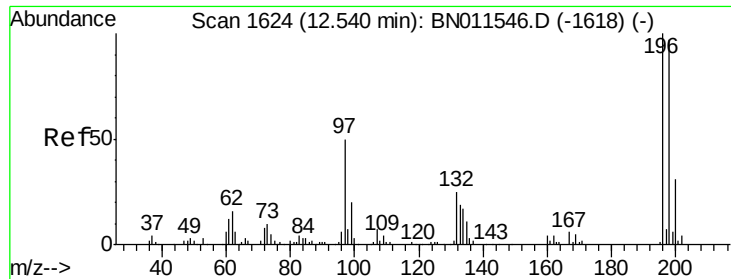


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E



Time-->





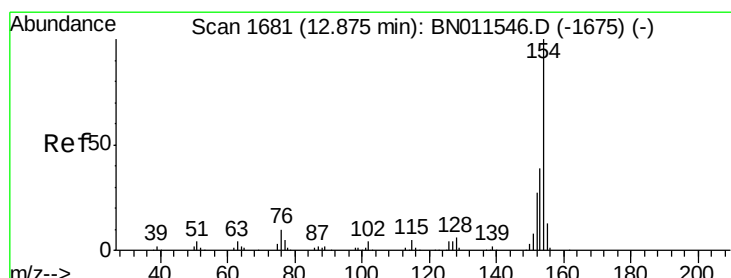
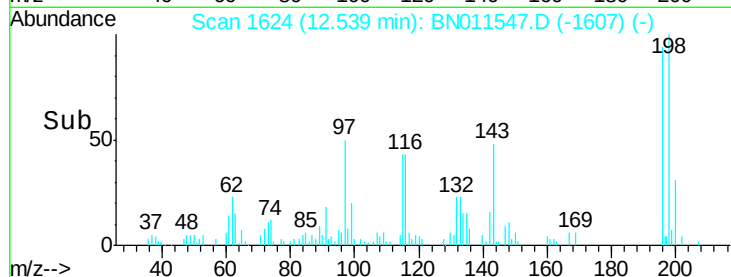
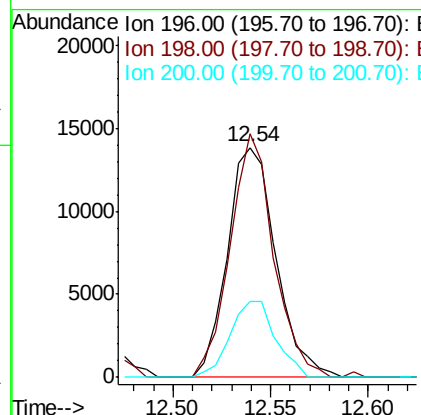
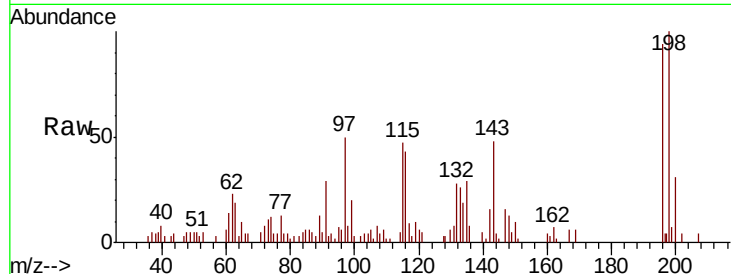
#40
 2,4,5-Trichlorophenol
 Concen: 2.452 ng/ul
 RT: 12.54 min Scan# 1624
 Delta R.T. -0.00 min
 Lab File: BN011547.D
 Acq: 21 Aug 2020 05:52

Instrument :
 BNA_N
 ClientSampled :
 DBFS5

Tot Ion	Ratio	Lower	Upper
196	100		
198	101.3	74.3	111.5
200	31.8	23.8	35.6

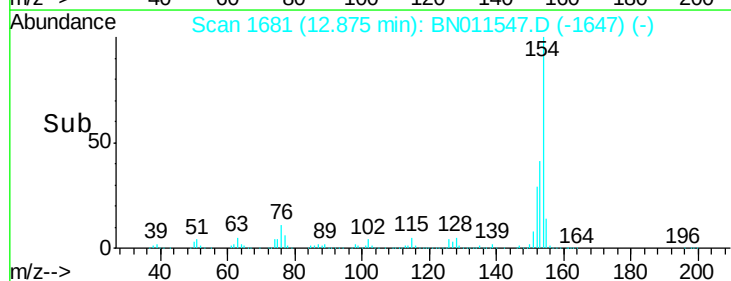
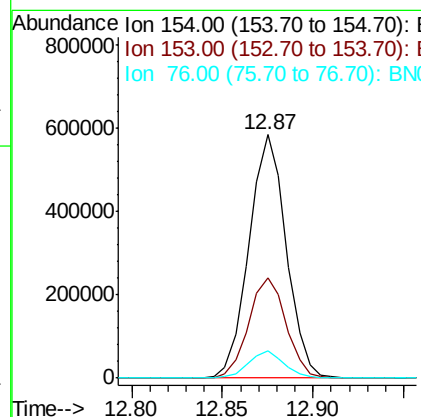
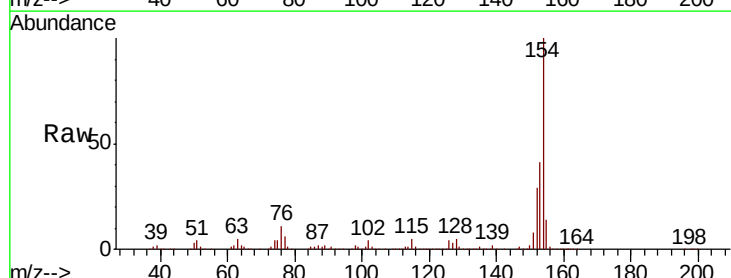
Manual Integrations
 APPROVED

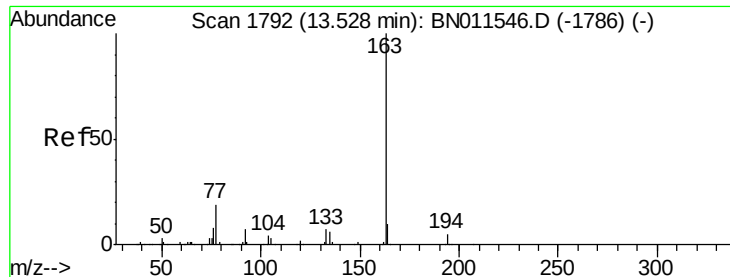
mohammad
 8/21/2020 12:51:17 PM



#41
 1,1'-Biphenyl
 Concen: 23.755 ng/ul
 RT: 12.87 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: BN011547.D
 Acq: 21 Aug 2020 05:52

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.3	32.3	48.5
76	11.1	8.5	12.7





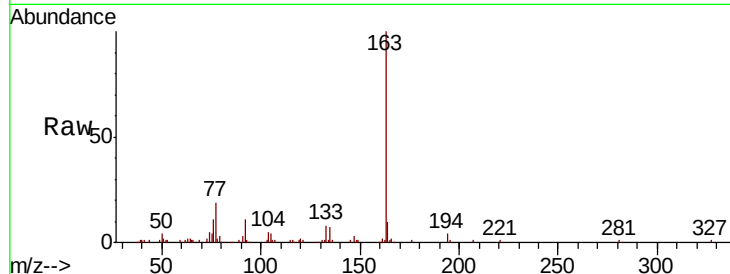
#45
Dimethylphthalate
Concen: 3.851 ng/ul
RT: 13.53 min Scan# 1792
Delta R.T. -0.00 min
Lab File: BN011547.D
Acq: 21 Aug 2020 05:52

Instrument :
BNA_N
ClientSampleId :
DBFS5

Tot Ion	Ratio	Resp	Lower	Upper
163	100	134481		
194	3.8		3.8	5.6
164	10.4		8.7	13.1

Manual Integrations
APPROVED

mohammad
8/21/2020 12:51:17 PM

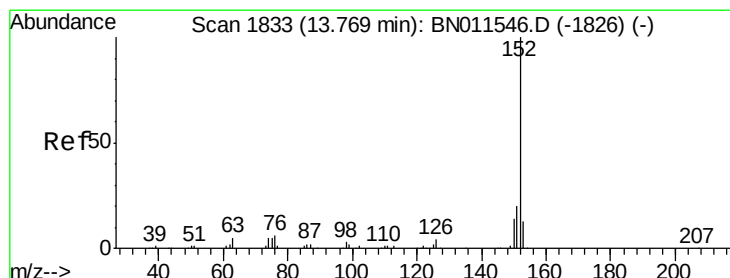
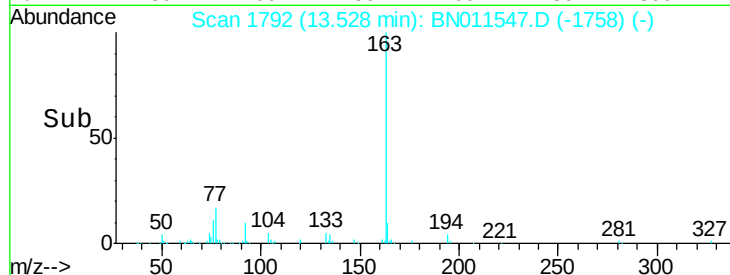
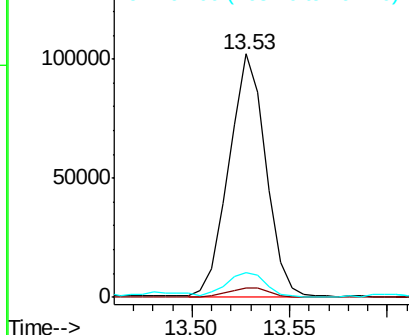


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#48
Acenaphthylene
Concen: 4.682 ng/ul
RT: 13.77 min Scan# 1833
Delta R.T. -0.00 min
Lab File: BN011547.D
Acq: 21 Aug 2020 05:52

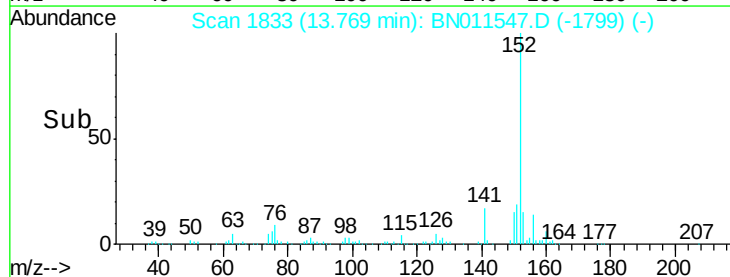
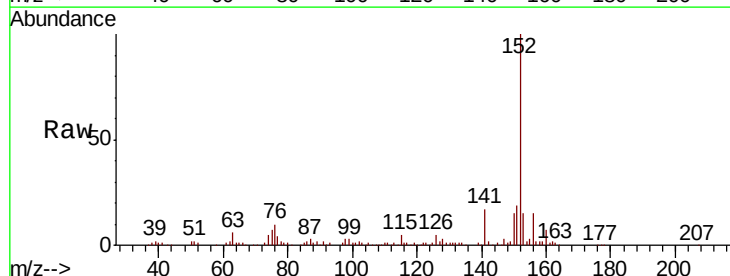
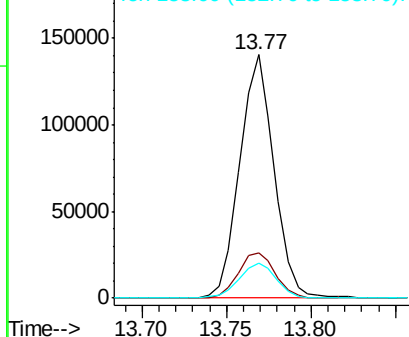
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	198579		
151	18.8		15.4	23.2
153	14.6		9.9	14.9

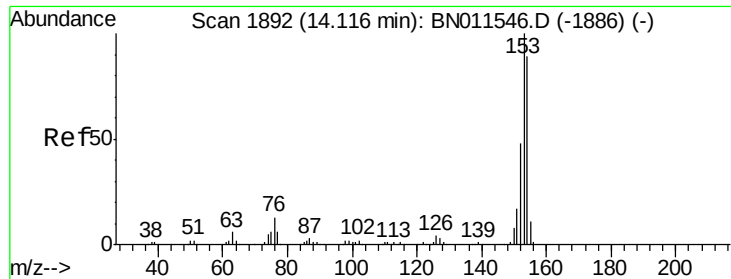
Abundance

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: 78.858 ng/ul

RT: 14.12 min Scan# 1893

Delta R.T. 0.01 min

Lab File: BN011547.D

Acq: 21 Aug 2020 05:52

Instrument :

BNA_N

ClientSampled :

DBFS5

Tot Ion:153 Resp: 2341188

Ion Ratio Lower Upper

153 100

152 46.6 37.6 56.4

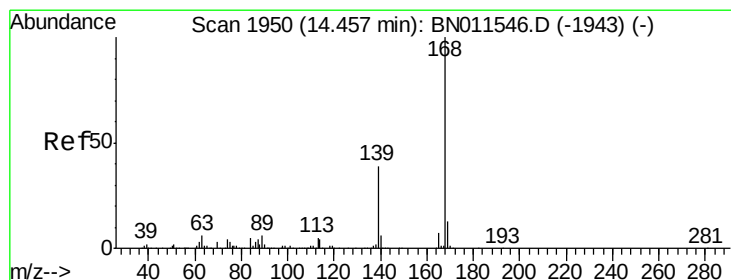
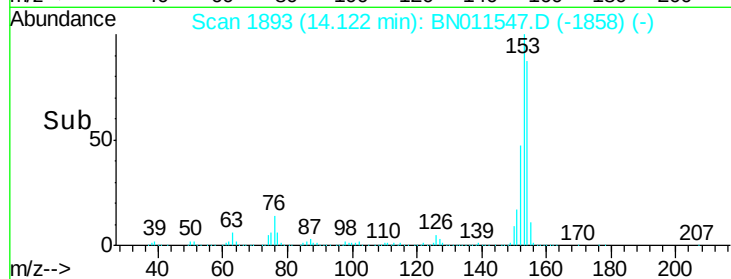
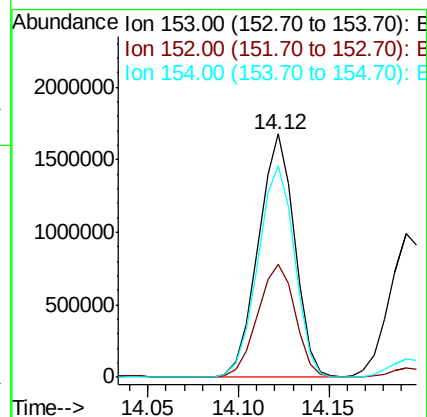
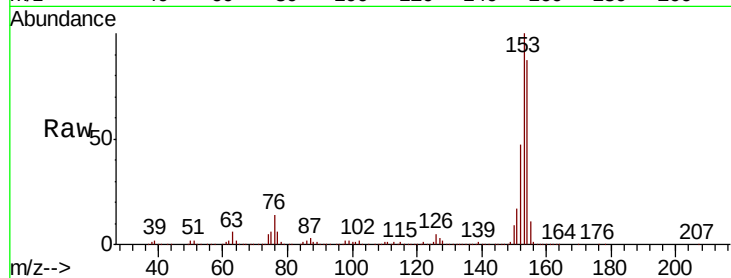
154 86.7 72.0 108.0

Manual Integrations

APPROVED

mohammad

8/21/2020 12:51:17 PM



#54

Dibenzofuran

Concen: 53.053 ng/ul

RT: 14.46 min Scan# 1951

Delta R.T. 0.01 min

Lab File: BN011547.D

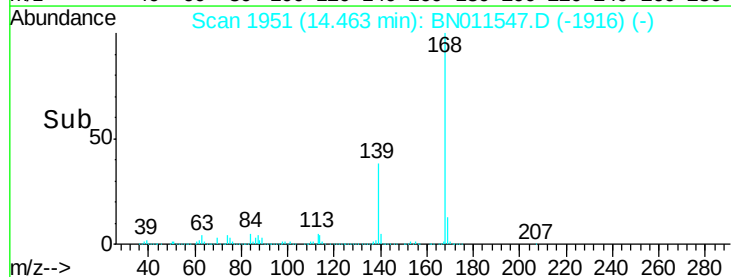
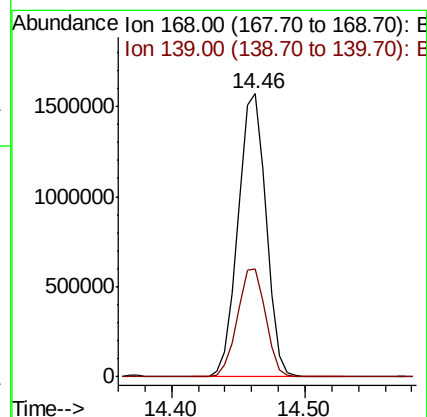
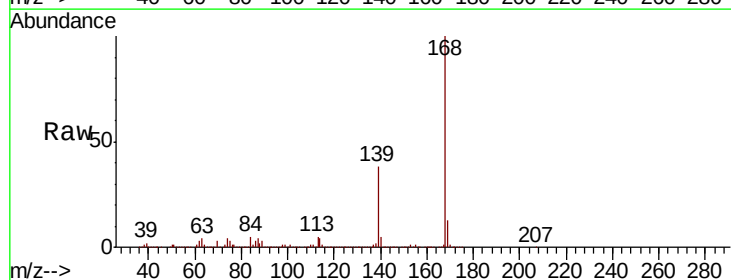
Acq: 21 Aug 2020 05:52

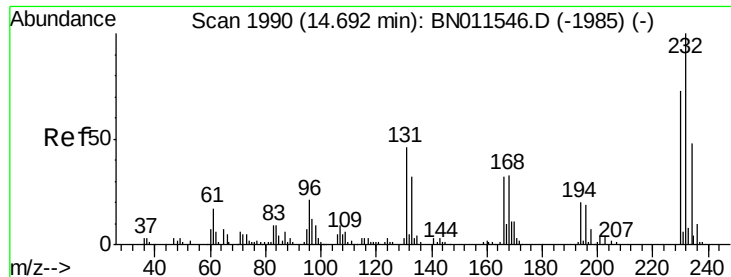
Tgt Ion:168 Resp: 2284273

Ion Ratio Lower Upper

168 100

139 38.1 31.1 46.7





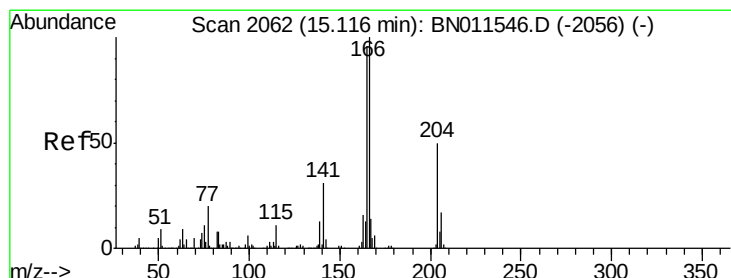
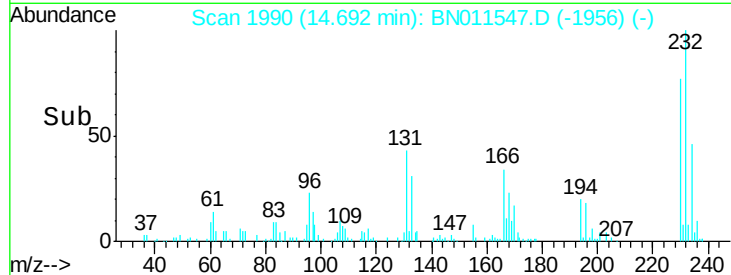
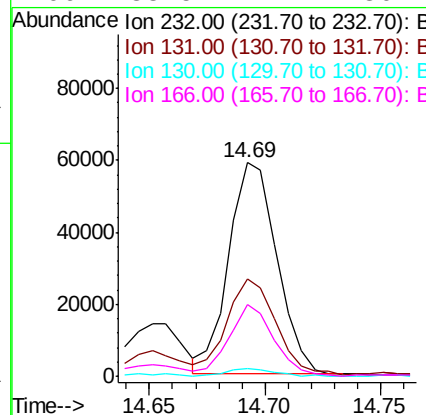
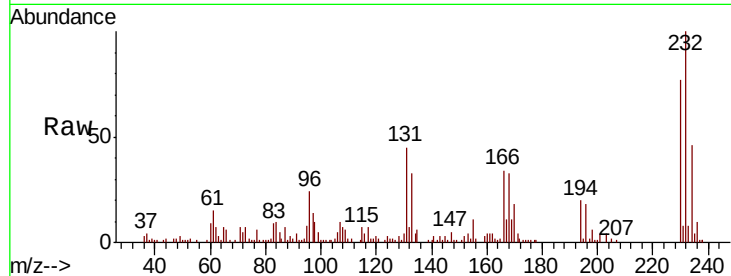
#56
 2,3,4,6-Tetrachlorophenol
 Concen: 10.514 ng/ul m
 RT: 14.69 min Scan# 1990
 Delta R.T. -0.00 min
 Lab File: BN011547.D
 Acq: 21 Aug 2020 05:52

Instrument :
 BNA_N
 ClientSampleId :
 DBFS5

Tot Ion	Ratio	Lower	Upper
232	100		
131	45.3	35.8	53.6
130	3.6	2.2	3.2#
166	33.5	24.1	36.1

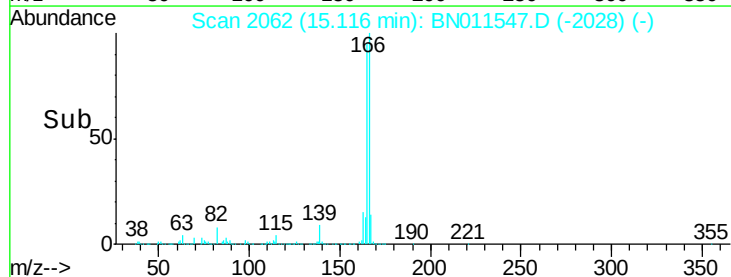
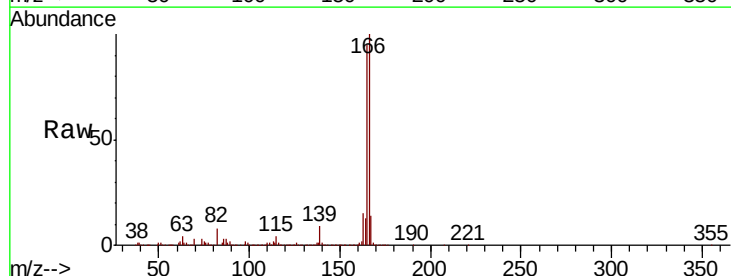
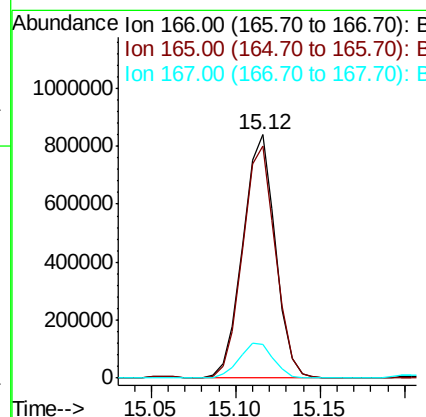
Manual Integrations
 APPROVED

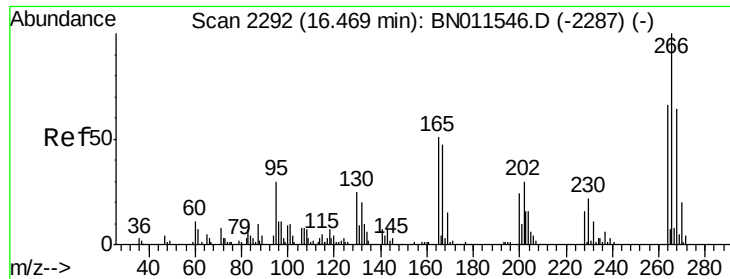
mohammad
 8/21/2020 12:51:17 PM



#59
 Fluorene
 Concen: 32.306 ng/ul
 RT: 15.12 min Scan# 2062
 Delta R.T. -0.00 min
 Lab File: BN011547.D
 Acq: 21 Aug 2020 05:52

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.3	78.0	117.0
167	13.9	11.9	17.9





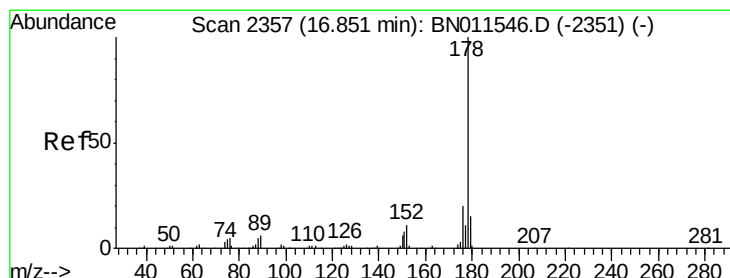
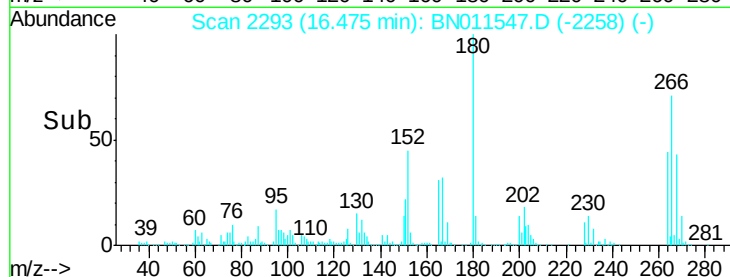
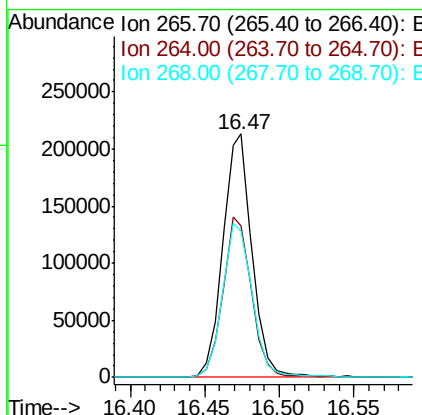
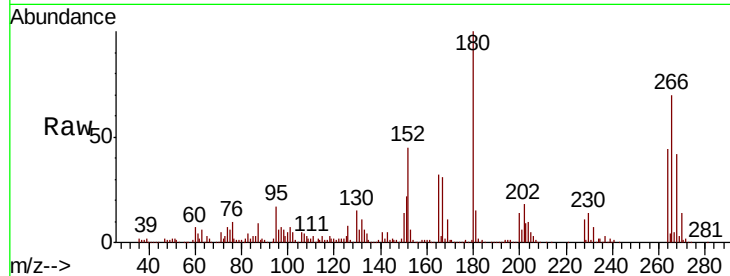
#69
 Pentachlorophenol
 Concen: 42.014 ng/ul
 RT: 16.47 min Scan# 2293
 Delta R.T. 0.01 min
 Lab File: BN011547.D
 Acq: 21 Aug 2020 05:52

Instrument :
 BNA_N
 ClientSampleID :
 DBFS5

Tot Ion	Ratio	Resp	Lower	Upper
266	100	292547		
264	62.1	67.9	101.9#	
268	60.2	63.4	95.2#	

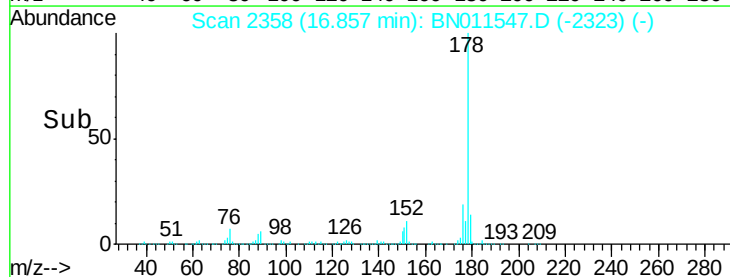
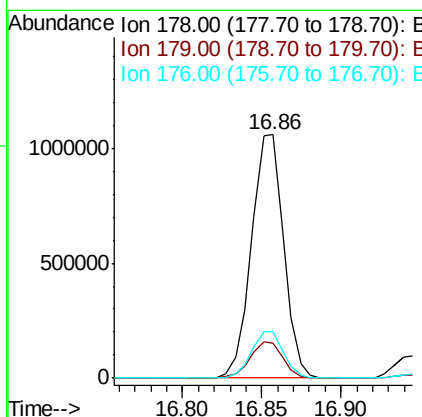
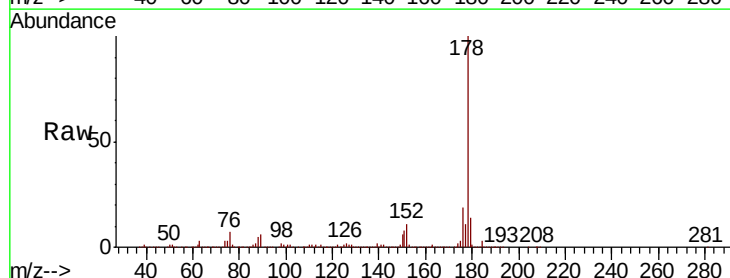
Manual Integrations
 APPROVED

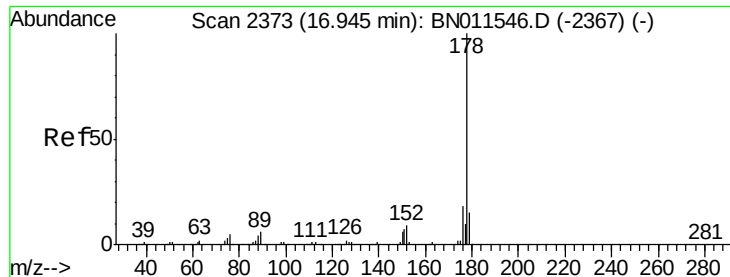
mohammad
 8/21/2020 12:51:17 PM



#70
 Phenanthrene
 Concen: 26.311 ng/ul
 RT: 16.86 min Scan# 2358
 Delta R.T. 0.01 min
 Lab File: BN011547.D
 Acq: 21 Aug 2020 05:52

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1497250		
179	14.2	13.1	19.7	
176	19.3	15.7	23.5	





#72

Anthracene

Concen: 2.298 ng/ul

RT: 16.95 min Scan# 2373

Delta R.T. -0.00 min

Lab File: BN011547.D

Acq: 21 Aug 2020 05:52

Instrument :

BNA_N

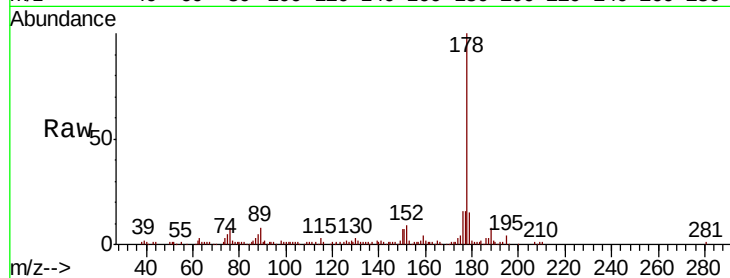
ClientSampleId :

DBFS5

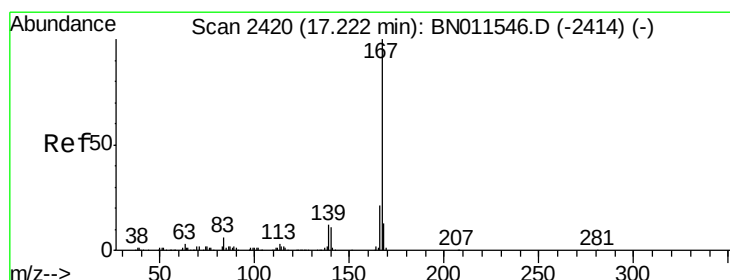
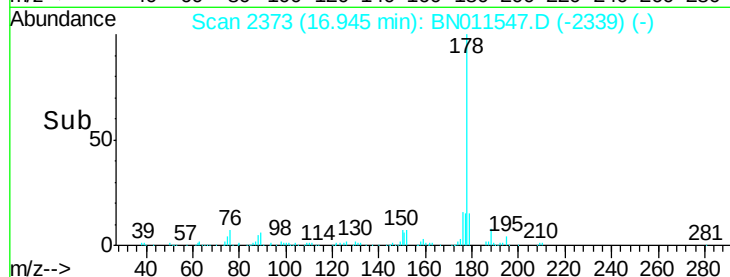
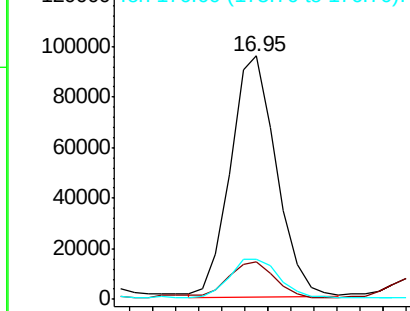
Tot Ion:178	Resp:	132441
Ion Ratio	Lower	Upper
178	100	
179	15.5	13.0 19.4
176	16.4	14.6 21.8

Manual Integrations
APPROVED

mohammad
8/21/2020 12:51:17 PM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 143.756 ng/ul

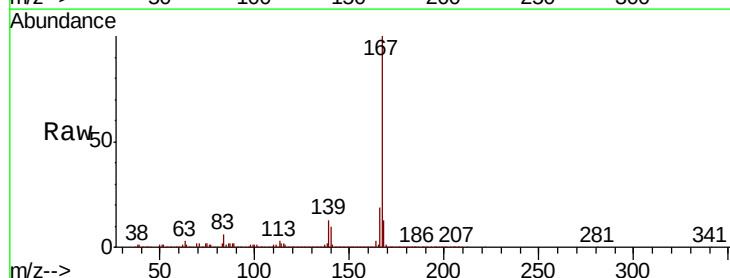
RT: 17.23 min Scan# 2422

Delta R.T. 0.01 min

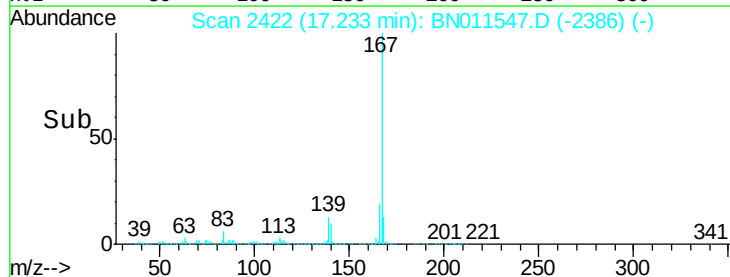
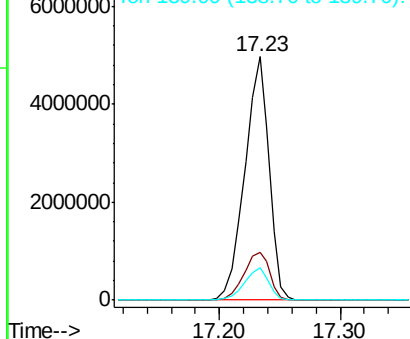
Lab File: BN011547.D

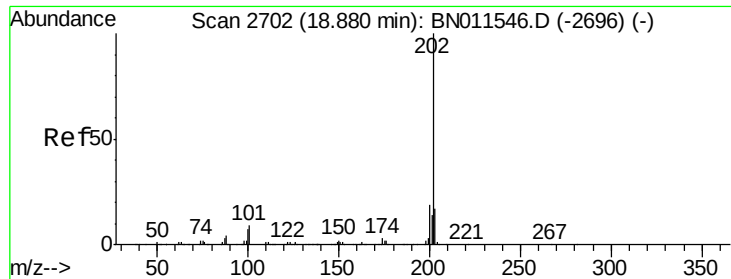
Acq: 21 Aug 2020 05:52

Tgt Ion:167	Resp:	6968066
Ion Ratio	Lower	Upper
167	100	
166	19.5	17.2 25.8
139	13.3	10.2 15.2



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#77

Fluoranthene

Concen: 1.778 ng/ul

RT: 18.88 min Scan# 2702

Delta R.T. -0.00 min

Lab File: BN011547.D

Acq: 21 Aug 2020 05:52

Instrument :

BNA_N

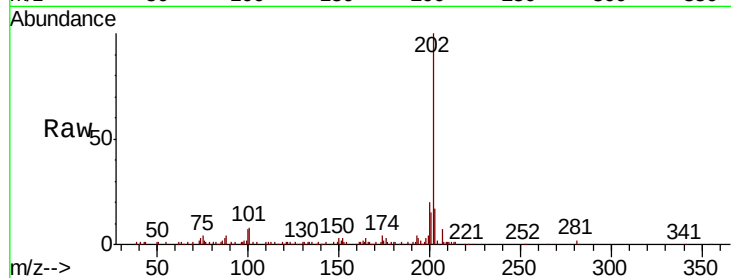
ClientSampleId :

DBFS5

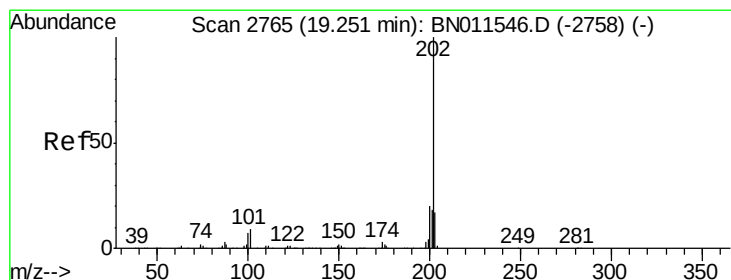
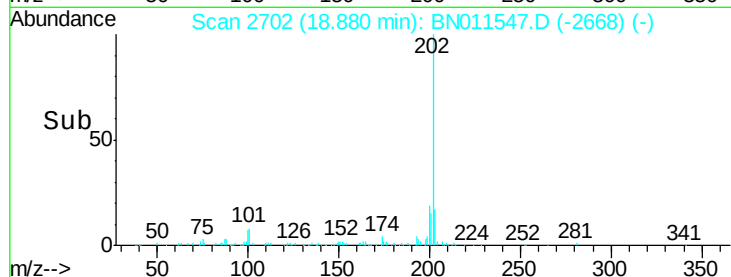
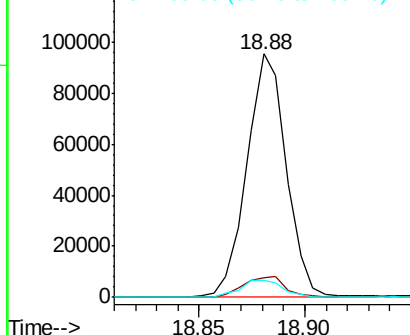
Tot Ion:	202	Resp:	123815
Ion Ratio	Lower	Upper	
202	100		
101	7.8	7.3	10.9
100	6.8	5.2	7.8

Manual Integrations
APPROVED

mohammad
8/21/2020 12:51:17 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#80

Pyrene

Concen: 1.001 ng/ul

RT: 19.25 min Scan# 2764

Delta R.T. -0.01 min

Lab File: BN011547.D

Acq: 21 Aug 2020 05:52

Tgt Ion:	202	Resp:	66992
Ion Ratio	Lower	Upper	
202	100		
101	11.2	7.8	11.8
100	7.1	6.5	9.7

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

