

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041620\
 Data File : BN010544.D
 Acq On : 17 Apr 2020 07:51
 Operator : CG/JU
 Sample : L2176-04
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BG2J0

Manual Integrations
 APPROVED

mohammad
 4/17/2020 1:52:32 PM

Quant Time: Apr 17 08:41:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN040920MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 16 10:21:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	444955	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1914722	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.22	164	1322547	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.97	188	3097718	20.00	ng/ul	0.00
78) Chrysene-d12	21.17	240	3161339	20.00	ng/ul	0.00
86) Perylene-d12	23.34	264	2814868	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	23031	2.71	ng/uL	0.00
5) Phenol-d5	6.78	99	488853	13.91	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	599994	33.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.14	132	403591	13.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	327217	11.05	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	207351	14.05	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	226309	13.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	425197	13.19	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	918051	24.84	ng/ul	0.00
44) Dimethylphthalate-d6	13.64	166	1513166	15.42	ng/ul	0.00
47) Acenaphthylene-d8	13.91	160	1826363	15.15	ng/ul	0.00
52) 4-Nitrophenol-d4	14.43	143	245279	12.84	ng/ul	0.00
58) Fluorene-d10	15.22	176	1421608	16.14	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.34	200	144944	8.96	ng/ul	-0.01
71) Anthracene-d10	17.07	188	2315316	16.14	ng/ul	0.00
79) Pyrene-d10	19.37	212	2718826	15.24	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.21	264	2417973	16.56	ng/ul	0.00

Target Compounds

					Ovalue
24) 2,4-Dimethylphenol	9.59	107	520329	14.838	ng/ul# 59
28) Naphthalene	10.41	128	356719	3.467	ng/ul# 82
34) 2-Methylnaphthalene	12.02	142	505286	6.948	ng/ul 100
45) Dimethylphthalate	13.69	163	574475	5.639	ng/ul 99
50) Acenaphthene	14.29	153	275205	3.161	ng/ul 97
54) Dibenzofuran	14.62	168	182692	1.499	ng/ul 100
59) Fluorene	15.27	166	253682	2.539	ng/ul 99
70) Phenanthrene	17.01	178	1997011	11.609	ng/ul 98
72) Anthracene	17.10	178	478187	2.742	ng/ul 97
75) Carbazole	17.37	167	148859	1.039	ng/ul 98
77) Fluoranthene	19.03	202	2984862	15.970	ng/ul 99
80) Pyrene	19.40	202	2654260	11.620	ng/ul 98
83) Benzo(a)anthracene	21.16	228	1341791	6.118	ng/ul 99
84) Bis(2-ethylhexyl)phthalate	21.12	149	361691	2.542	ng/ul 97
85) Chrysene	21.21	228	1365910	6.624	ng/ul 99
88) Benzo(b)fluoranthene	22.70	252	1785320	9.720	ng/ul 96
89) Benzo(k)fluoranthene	22.74	252	500515m	2.746	ng/ul
91) Benzo(a)pyrene	23.25	252	1110186	6.803	ng/ul 99
92) Indeno(1,2,3-cd)pyrene	25.48	276	761770	4.147	ng/ul 96
93) Dibenzo(a,h)anthracene	25.48	278	190631m	1.236	ng/ul
94) Benzo(a,h,i)perylene	26.14	276	707445	4.654	ng/ul 97

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN041620\
Data File : BN010544.D
Acq On : 17 Apr 2020 07:51
Operator : CG/JU
Sample : L2176-04
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
BG2J0

Manual Integrations
APPROVED

mohammad
4/17/2020 1:52:32 PM

Quant Time: Apr 17 08:41:18 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN040920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 16 10:21:51 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

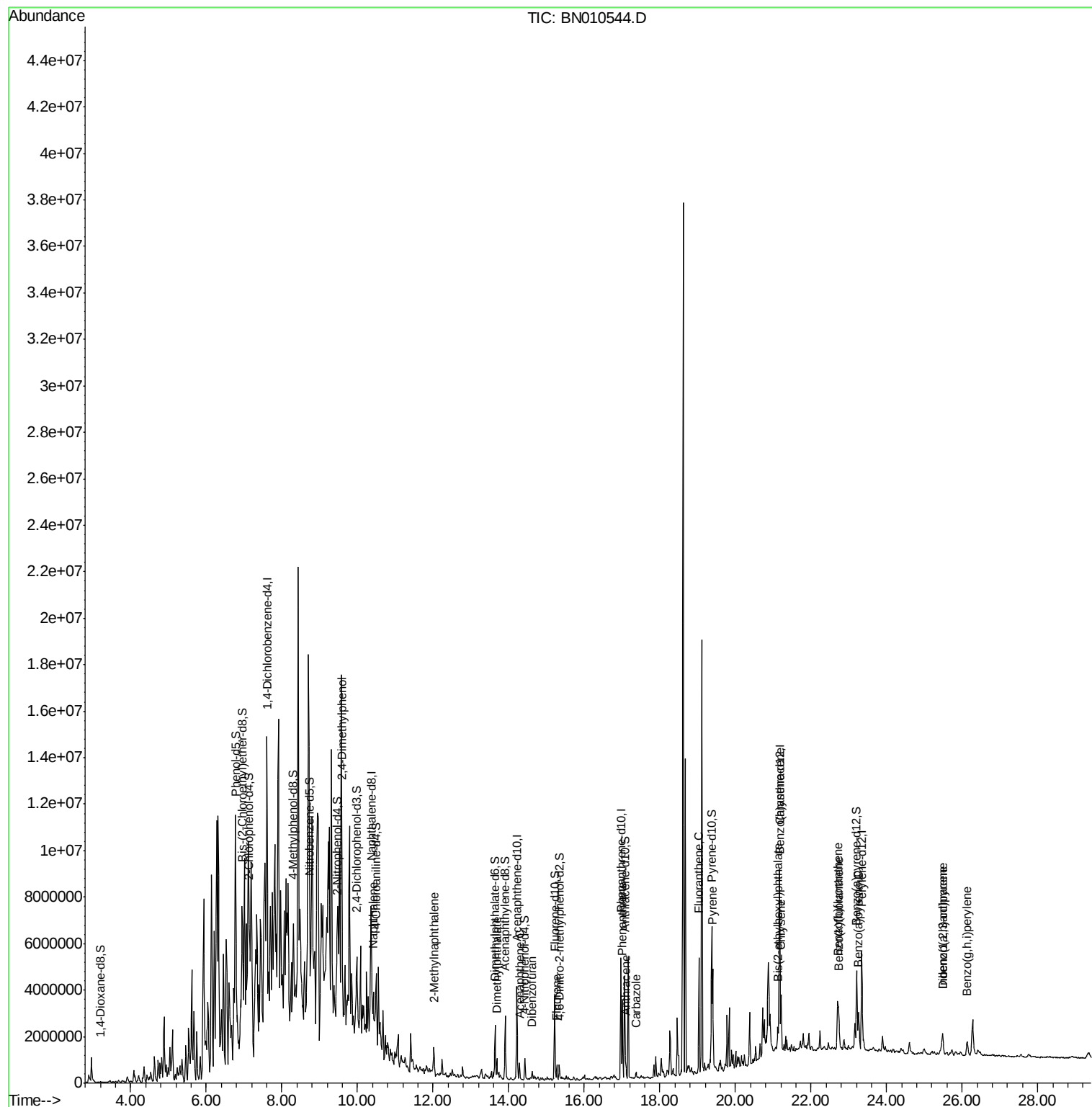
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN041620\
Data File : BN010544.D
Acq On : 17 Apr 2020 07:51
Operator : CG/JU
Sample : L2176-04
Misc :
ALS Vial : 32 Sample Multiplier: 1

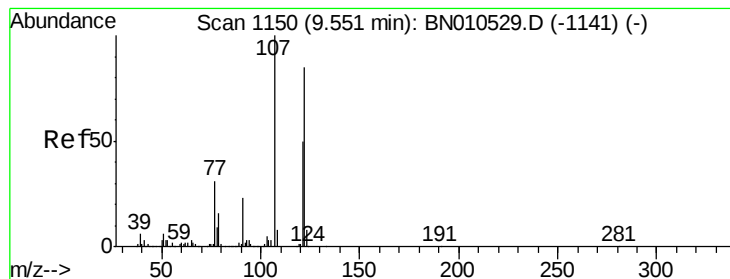
Instrument :
BNA_N
ClientSampleId :
BG2J0

Manual Integrations
APPROVED

mohammad
4/17/2020 1:52:32 PM

Quant Time: Apr 17 08:41:18 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN040920MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 16 10:21:51 2020
Response via : Initial Calibration





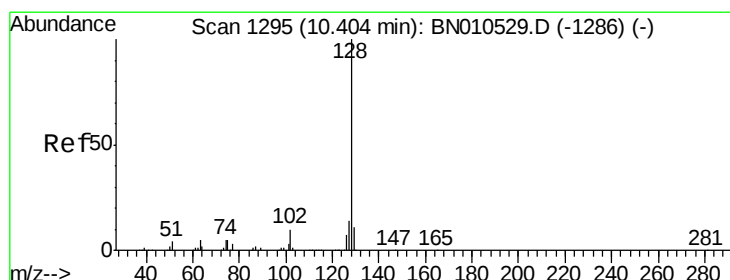
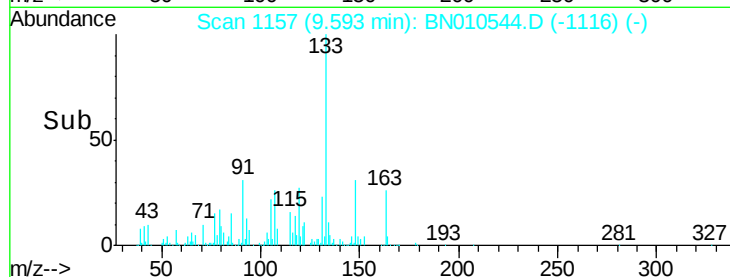
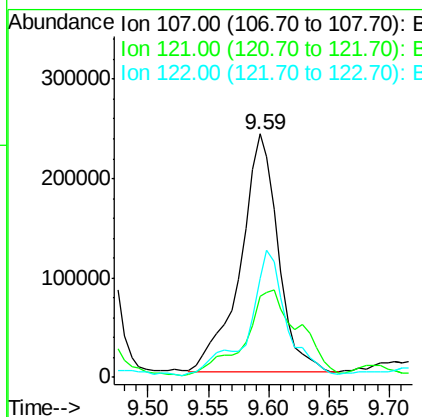
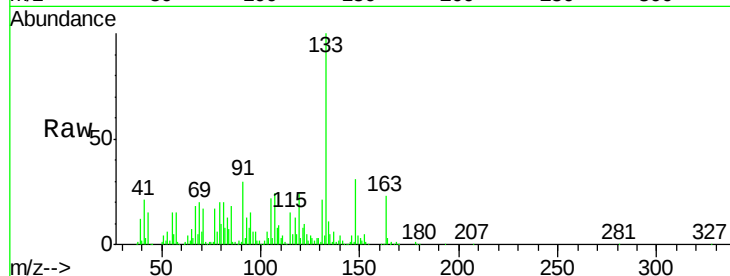
#24
2,4-Dimethylphenol
Concen: 14.838 ng/ul
RT: 9.59 min Scan# 1157
Delta R.T. 0.04 min
Lab File: BN010544.D
Acq: 17 Apr 2020 07:51

Instrument :
BNA_N
ClientSampleId :
BG2J0

Tot Ion	Ratio	Lower	Upper
107	100		
121	33.1	42.2	63.2#
122	40.9	69.1	103.7#

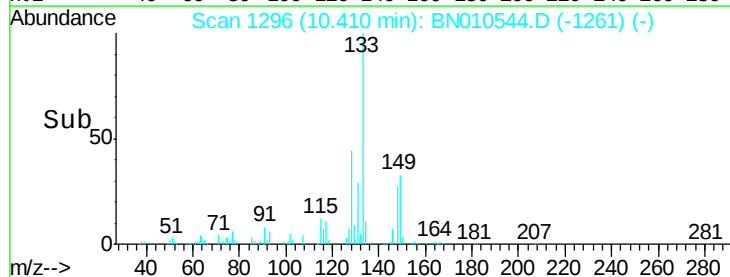
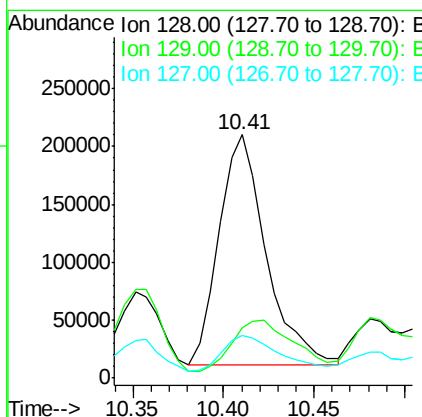
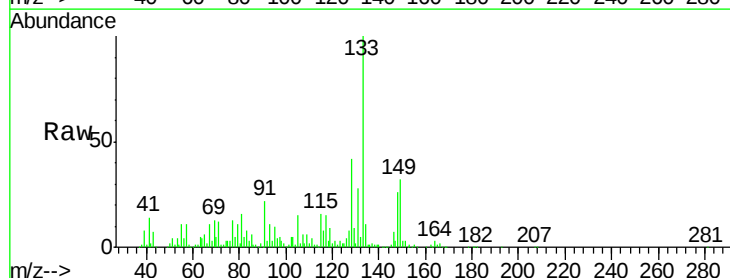
Manual Integrations
APPROVED

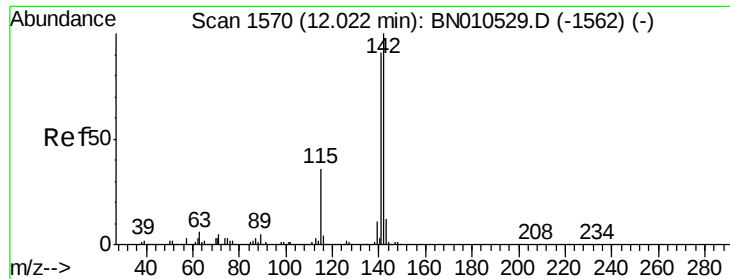
mohammad
4/17/2020 1:52:32 PM



#28
Naphthalene
Concen: 3.467 ng/ul
RT: 10.41 min Scan# 1296
Delta R.T. 0.01 min
Lab File: BN010544.D
Acq: 17 Apr 2020 07:51

Tgt Ion	Ratio	Lower	Upper
128	100		
129	20.7	8.6	13.0#
127	17.8	10.7	16.1#





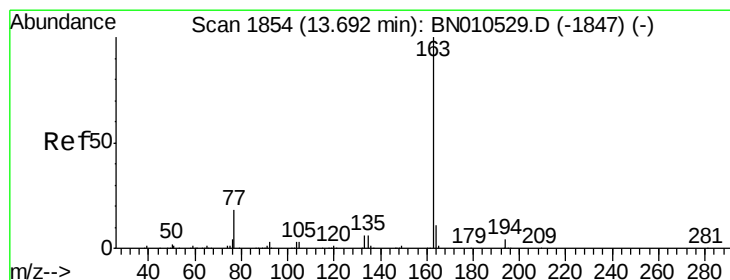
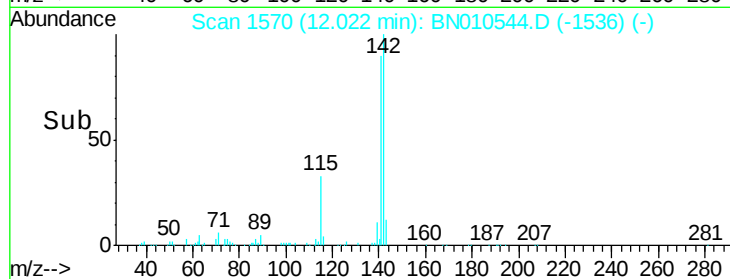
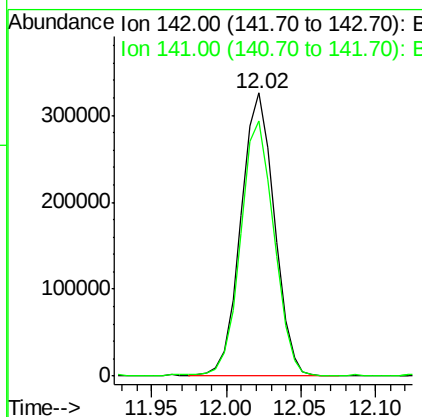
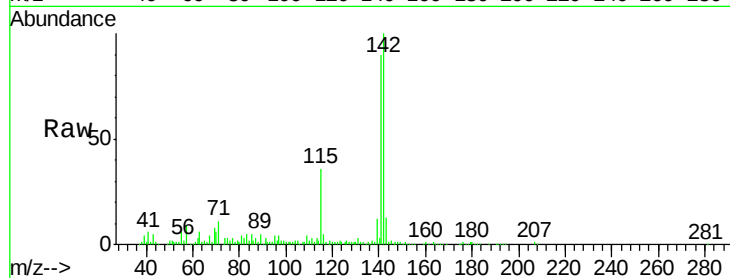
#34
 2-Methylnaphthalene
 Concen: 6.948 ng/ul
 RT: 12.02 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BN010544.D
 Acq: 17 Apr 2020 07:51

Instrument :
 BNA_N
 ClientSampleId :
 BG2J0

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.8	107.8

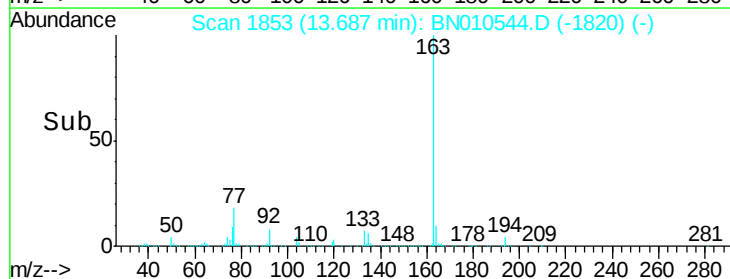
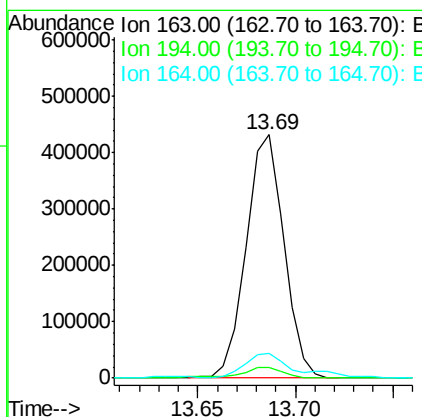
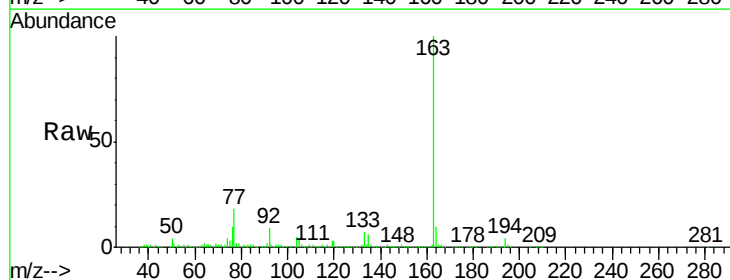
Manual Integrations
 APPROVED

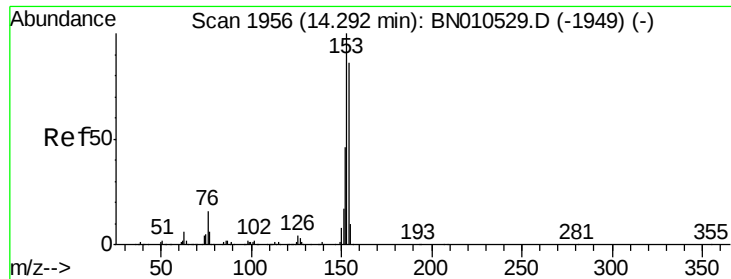
mohammad
 4/17/2020 1:52:32 PM



#45
 Dimethylphthalate
 Concen: 5.639 ng/ul
 RT: 13.69 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: BN010544.D
 Acq: 17 Apr 2020 07:51

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.3	4.9
164	10.4	8.0	12.0





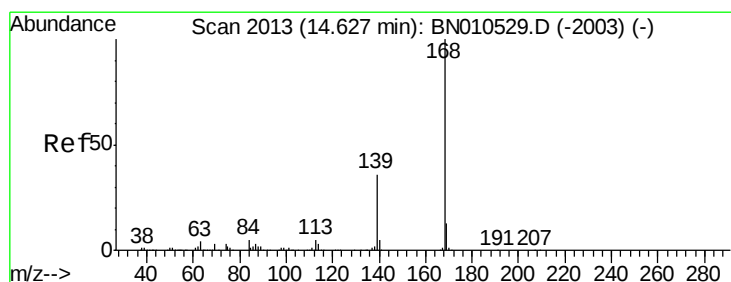
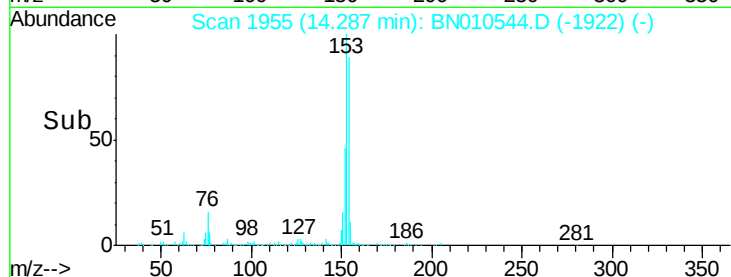
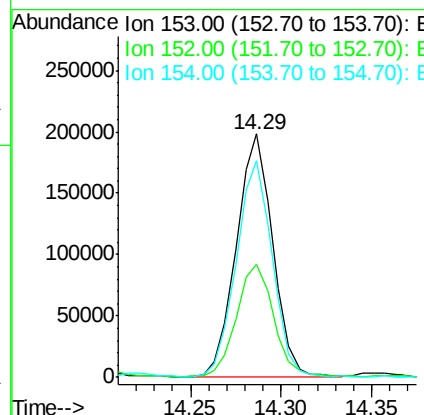
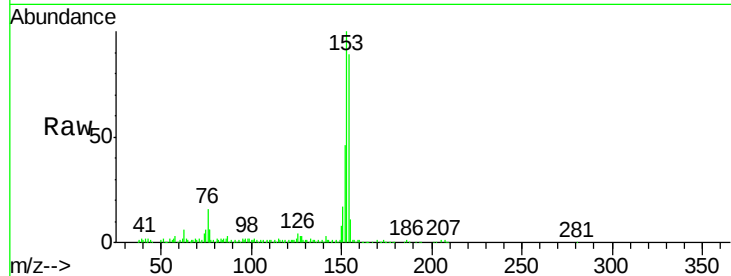
#50
Acenaphthene
Concen: 3.161 ng/ul
RT: 14.29 min Scan# 1955
Delta R.T. -0.01 min
Lab File: BN010544.D
Acq: 17 Apr 2020 07:51

Instrument :
BNA_N
ClientSampled :
BG2J0

Tot Ion	Ratio	Lower	Upper
153	100		
152	46.3	36.8	55.2
154	89.0	68.2	102.2

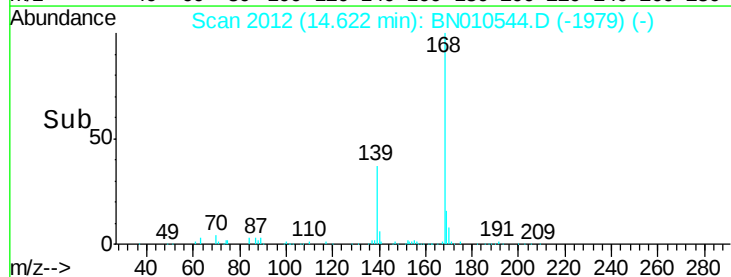
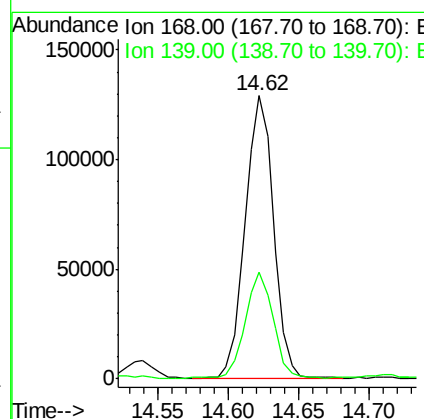
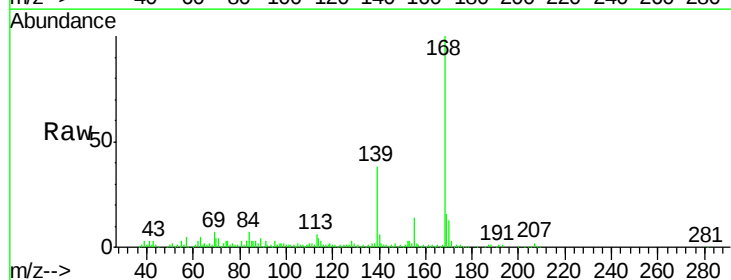
Manual Integrations
APPROVED

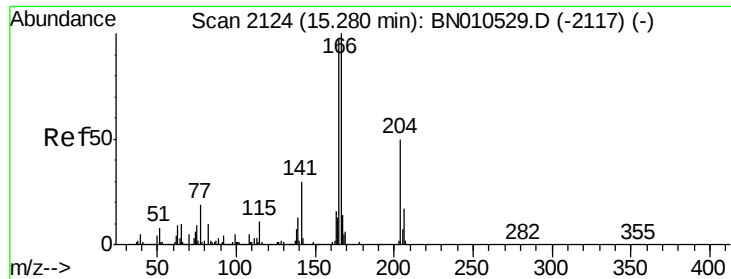
mohammad
4/17/2020 1:52:32 PM



#54
Dibenzofuran
Concen: 1.499 ng/ul
RT: 14.62 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BN010544.D
Acq: 17 Apr 2020 07:51

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.5	30.2	45.4





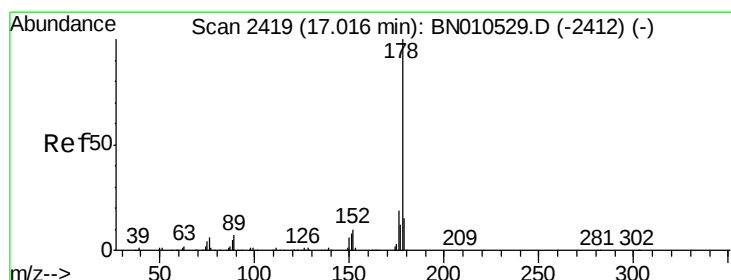
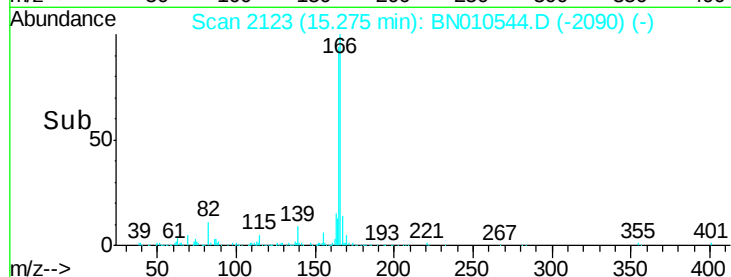
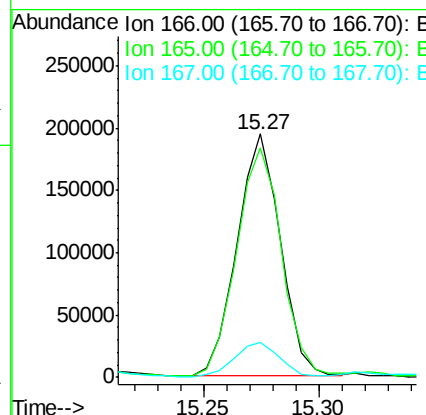
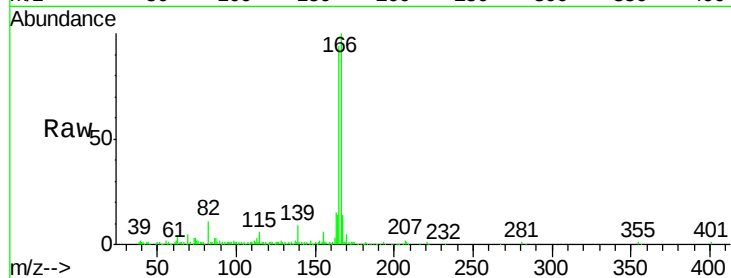
#59
Fluorene
 Concen: 2.539 ng/ul
 RT: 15.27 min Scan# 2123
 Delta R.T. -0.01 min
 Lab File: BN010544.D
 Acq: 17 Apr 2020 07:51

Instrument :
 BNA_N
 ClientSampled :
 BG2J0

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.1	75.9	113.9
167	14.4	11.2	16.8

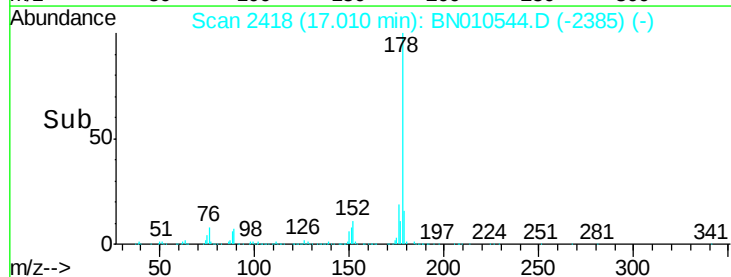
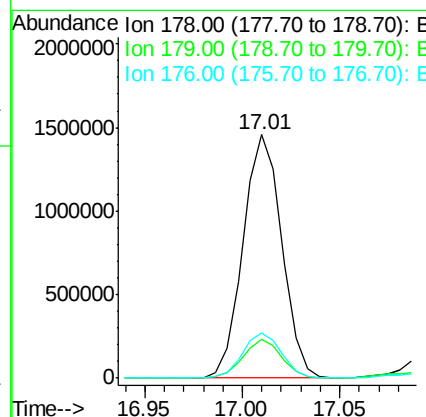
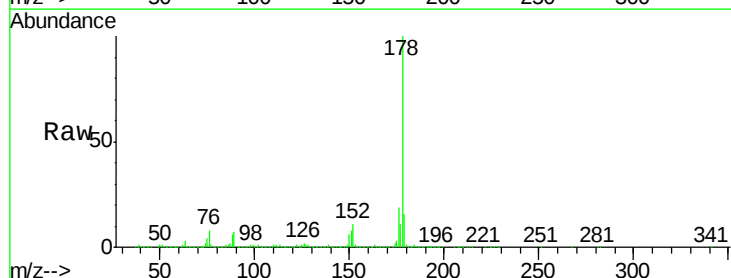
Manual Integrations
 APPROVED

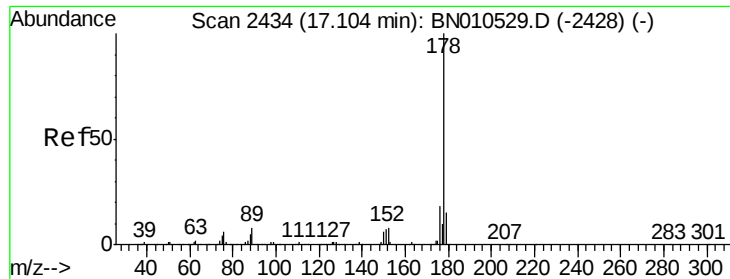
mohammad
 4/17/2020 1:52:32 PM



#70
Phenanthrene
 Concen: 11.609 ng/ul
 RT: 17.01 min Scan# 2418
 Delta R.T. -0.01 min
 Lab File: BN010544.D
 Acq: 17 Apr 2020 07:51

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.9	11.4	17.2
176	18.7	15.3	22.9





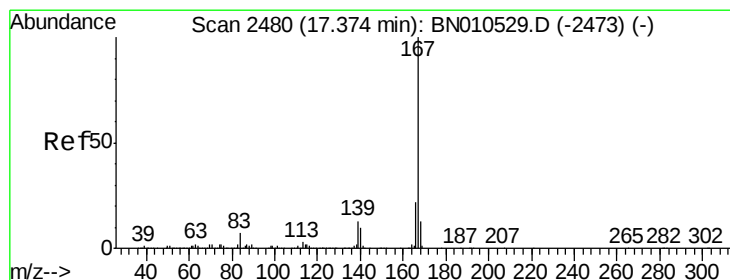
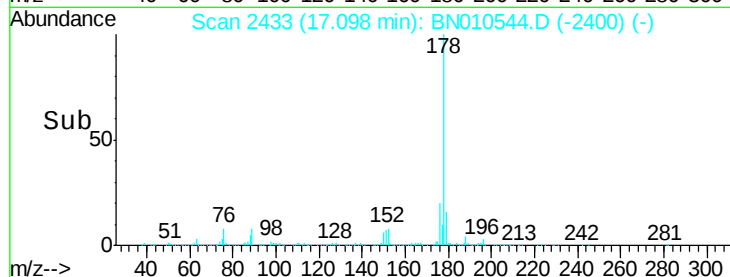
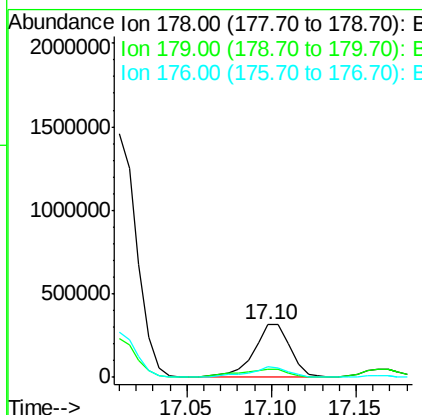
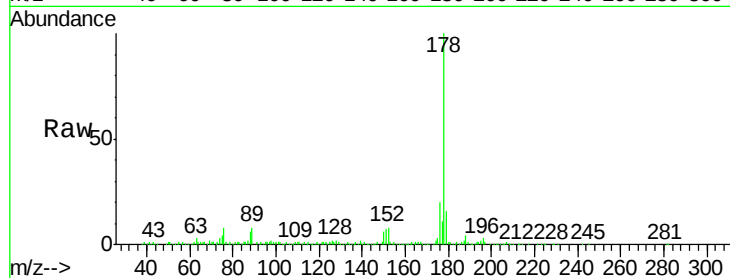
#72
 Anthracene
 Concen: 2.742 ng/ul
 RT: 17.10 min Scan# 2433
 Delta R.T. -0.01 min
 Lab File: BN010544.D
 Acq: 17 Apr 2020 07:51

Instrument :
 BNA_N
 ClientSampleId :
 BG2J0

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.3	18.5
176	19.8	14.2	21.4

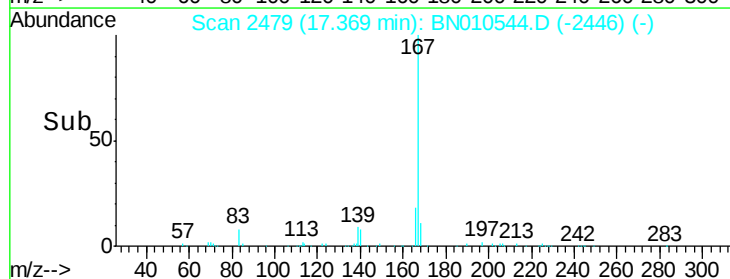
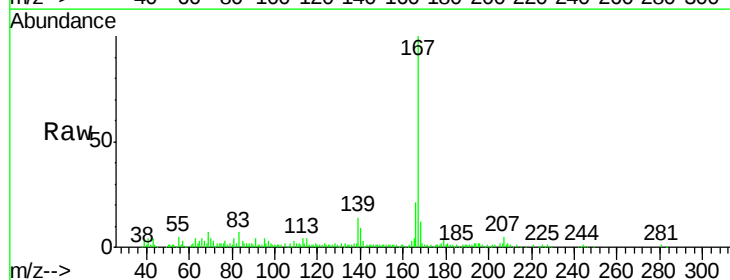
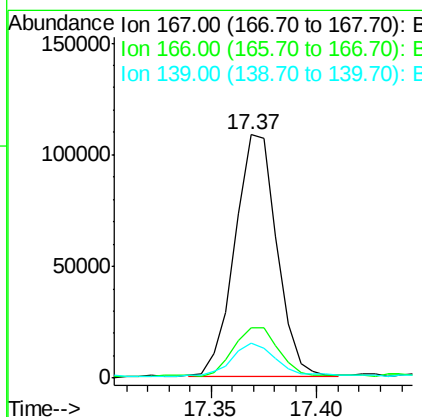
Manual Integrations
 APPROVED

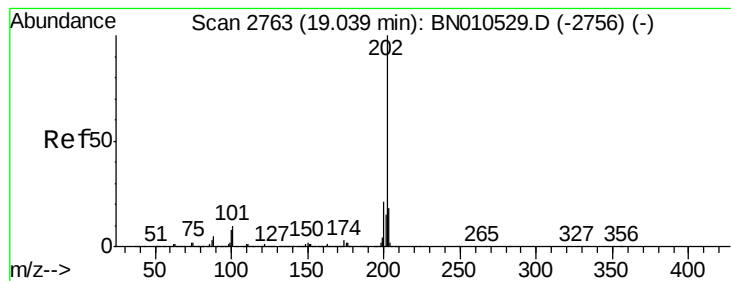
mohammad
 4/17/2020 1:52:32 PM



#75
 Carbazole
 Concen: 1.039 ng/ul
 RT: 17.37 min Scan# 2479
 Delta R.T. -0.01 min
 Lab File: BN010544.D
 Acq: 17 Apr 2020 07:51

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.8	16.8	25.2
139	14.4	10.1	15.1





#77

Fluoranthene

Concen: 15.970 ng/ul

RT: 19.03 min Scan# 2762

Delta R.T. -0.01 min

Lab File: BN010544.D

Acq: 17 Apr 2020 07:51

Instrument :

BNA_N

ClientSampleId :

BG2J0

Tot Ion:202 Resp: 2984862

Ion Ratio Lower Upper

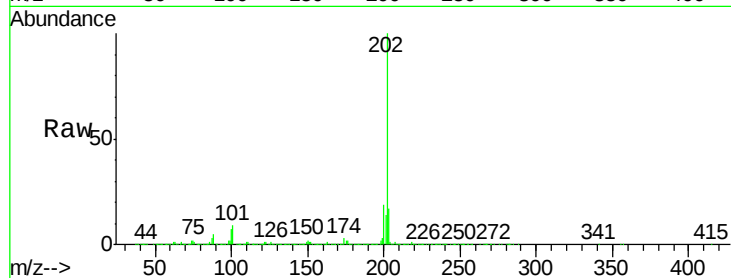
202 100

101 9.4 7.1 10.7

100 7.3 5.5 8.3

Manual Integrations
APPROVED

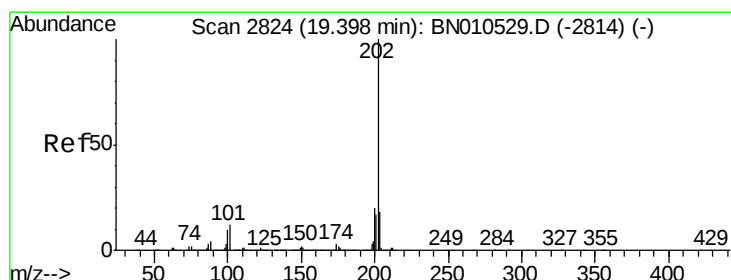
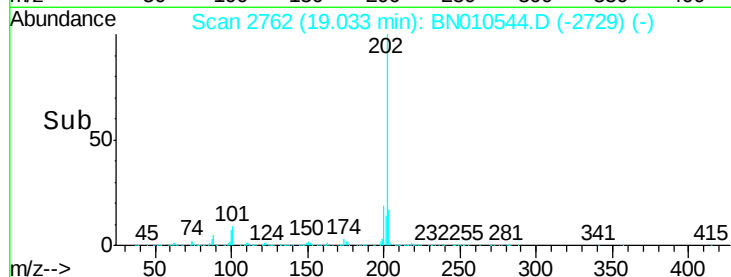
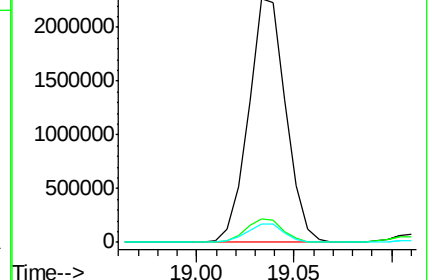
mohammad
4/17/2020 1:52:32 PM



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: 11.620 ng/ul

RT: 19.40 min Scan# 2824

Delta R.T. -0.01 min

Lab File: BN010544.D

Acq: 17 Apr 2020 07:51

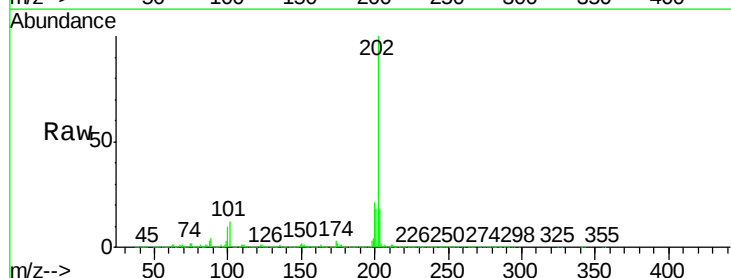
Tgt Ion:202 Resp: 2654260

Ion Ratio Lower Upper

202 100

101 11.5 8.6 13.0

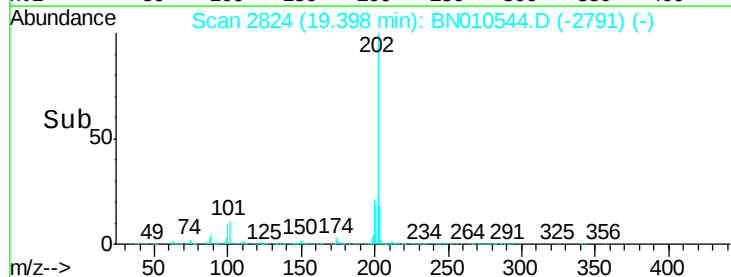
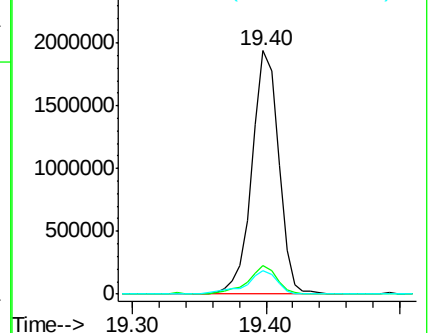
100 9.8 7.0 10.6

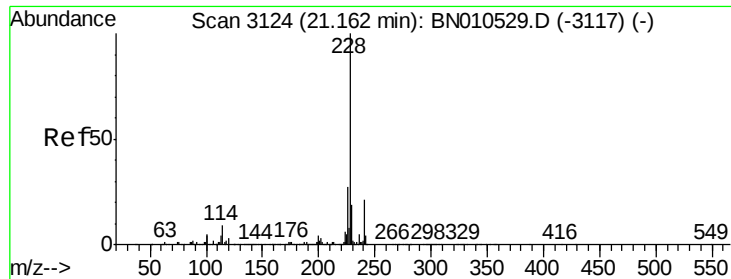


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





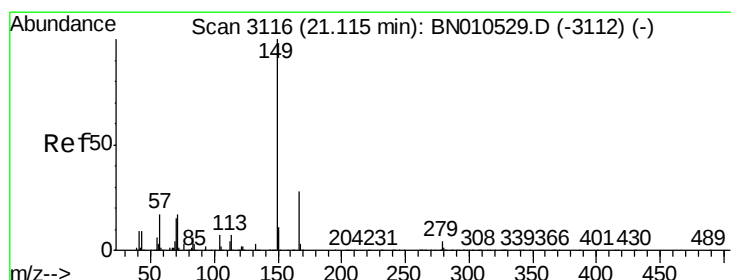
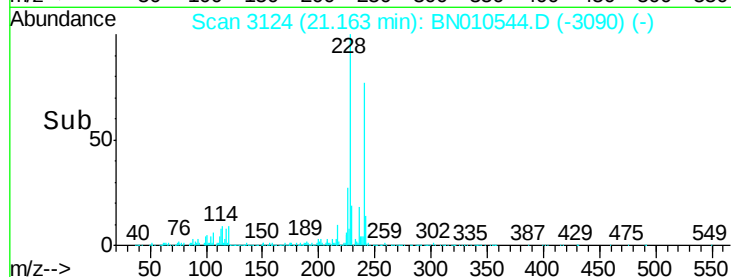
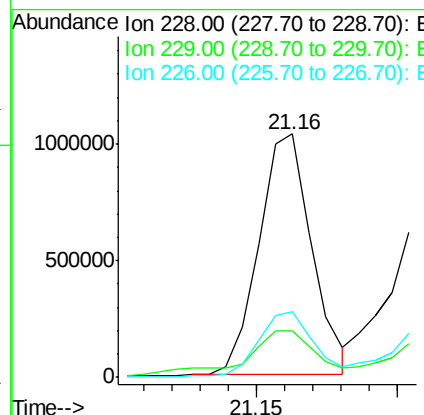
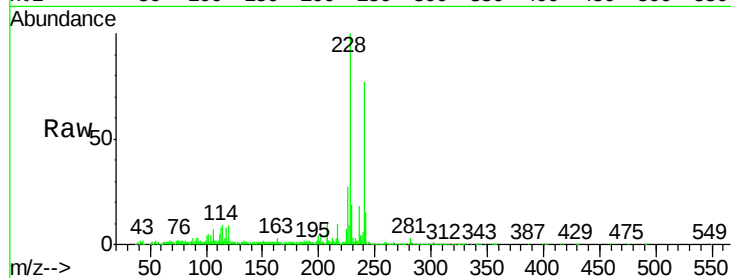
#83
Benzo(a)anthracene
Concen: 6.118 ng/ul
RT: 21.16 min Scan# 3124
Delta R.T. -0.00 min
Lab File: BN010544.D
Acq: 17 Apr 2020 07:51

Instrument :
BNA_N
ClientSampleId :
BG2J0

Tot Ion	Ratio	Lower	Upper
228	100		
229	19.3	16.0	24.0
226	27.0	21.4	32.2

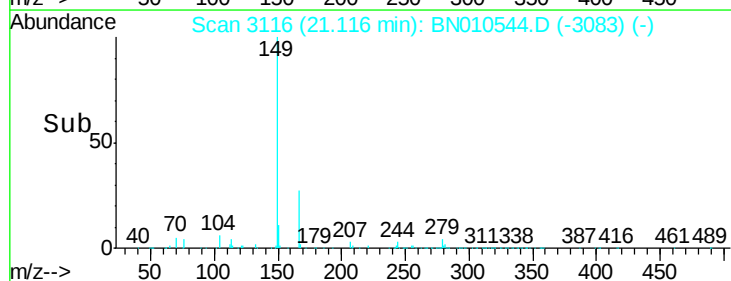
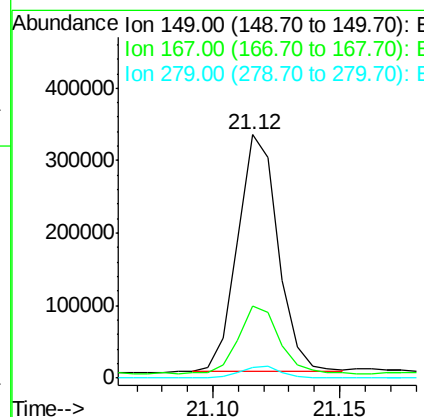
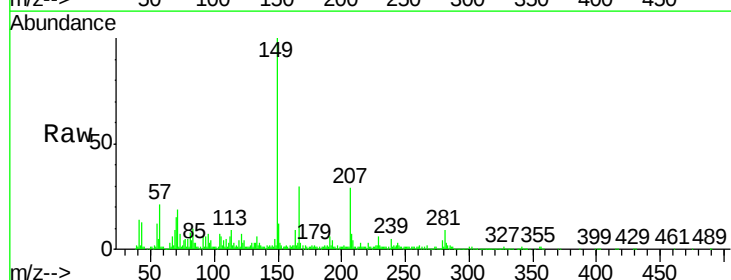
Manual Integrations
APPROVED

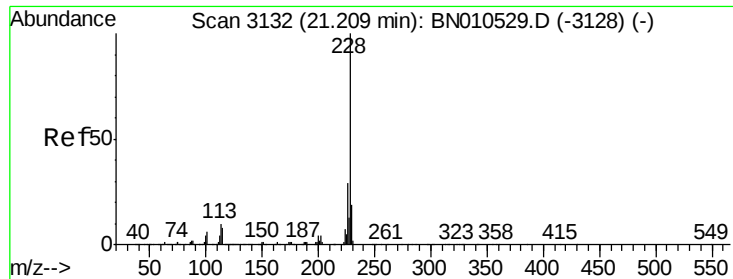
mohammad
4/17/2020 1:52:32 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.542 ng/ul
RT: 21.12 min Scan# 3116
Delta R.T. -0.01 min
Lab File: BN010544.D
Acq: 17 Apr 2020 07:51

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.8	22.4	33.6
279	4.3	3.8	5.6





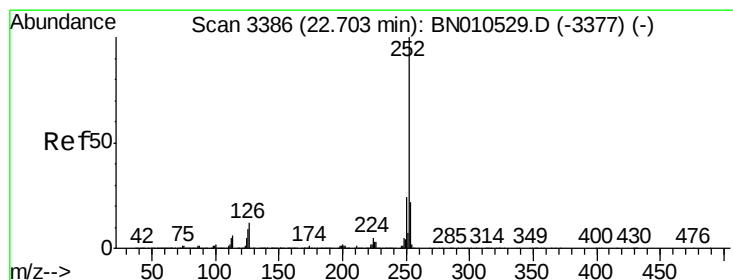
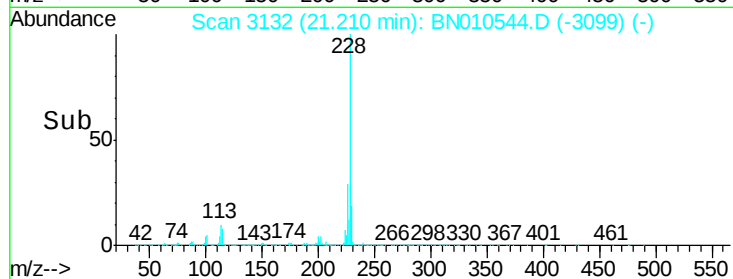
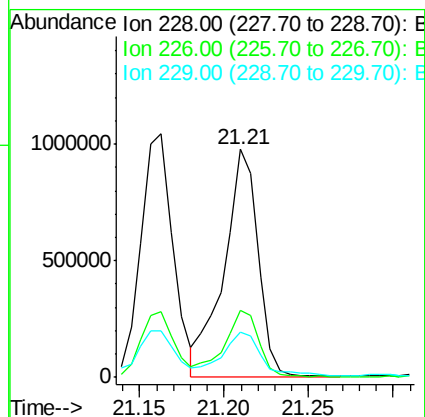
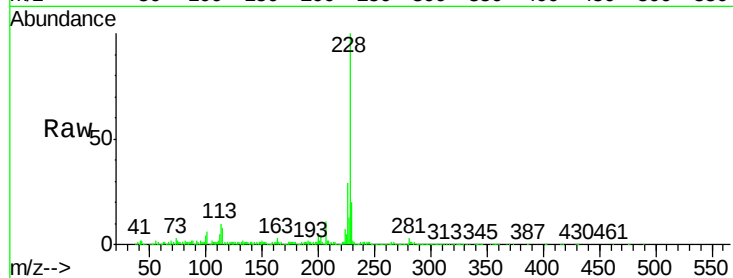
#85
Chrysene
Concen: 6.624 ng/ul
RT: 21.21 min Scan# 3132
Delta R.T. -0.01 min
Lab File: BN010544.D
Acq: 17 Apr 2020 07:51

Instrument :
BNA_N
ClientSampleId :
BG2J0

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.0	34.6
229	19.7	15.0	22.4

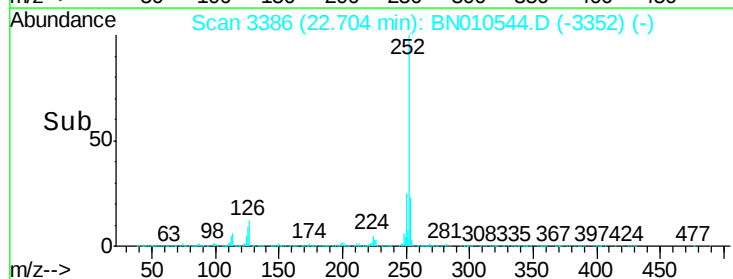
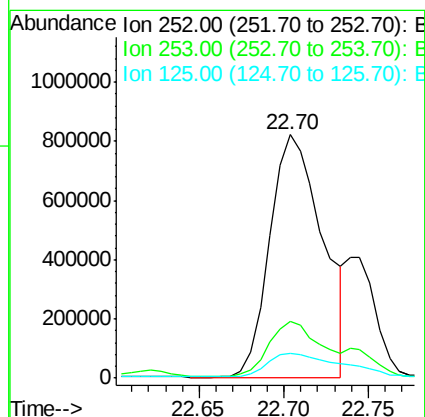
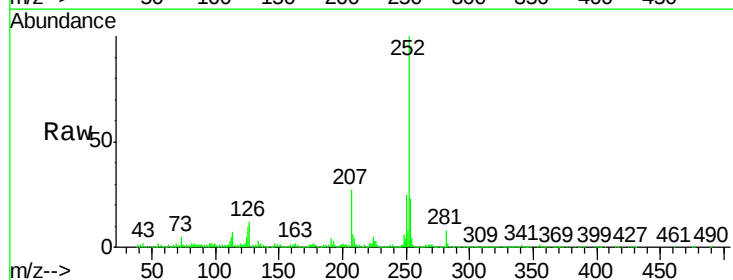
Manual Integrations
APPROVED

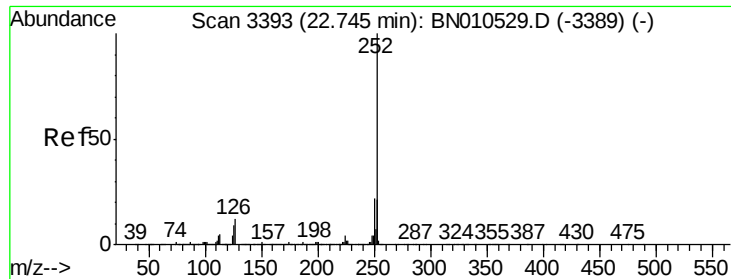
mohammad
4/17/2020 1:52:32 PM



#88
Benzo(b)fluoranthene
Concen: 9.720 ng/ul
RT: 22.70 min Scan# 3386
Delta R.T. -0.00 min
Lab File: BN010544.D
Acq: 17 Apr 2020 07:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	16.7	25.1
125	9.9	7.2	10.8





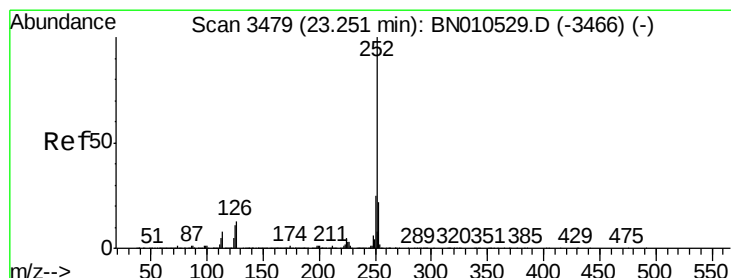
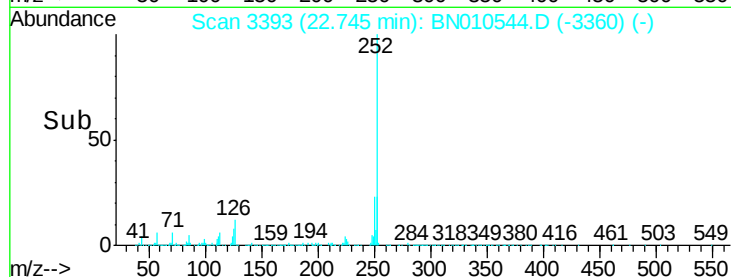
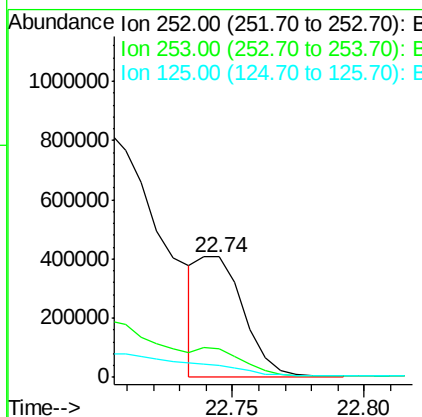
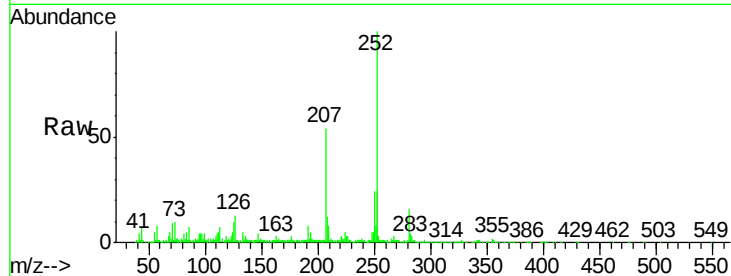
#89
Benzo(k)fluoranthene
Concen: 2.746 ng/ul m
RT: 22.74 min Scan# 3393
Delta R.T. -0.01 min
Lab File: BN010544.D
Acq: 17 Apr 2020 07:51

Instrument :
BNA_N
ClientSampleId :
BG2J0

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.2
125	9.9	6.9	10.3

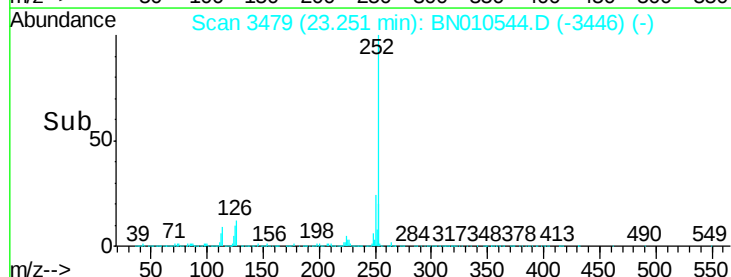
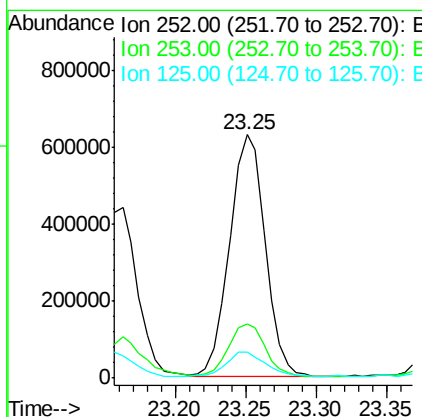
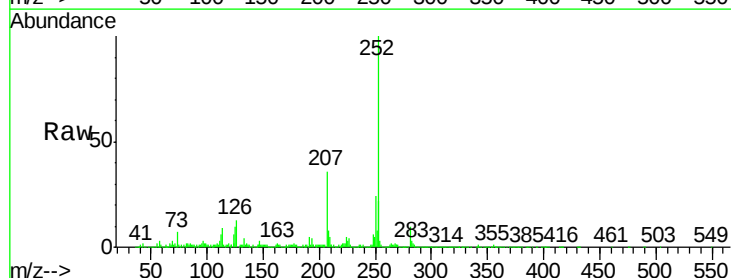
Manual Integrations
APPROVED

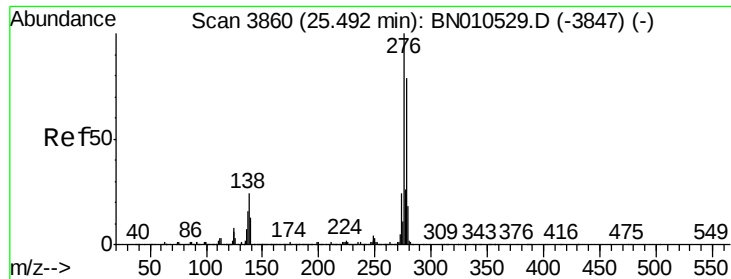
mohammad
4/17/2020 1:52:32 PM



#91
Benzo(a)pyrene
Concen: 6.803 ng/ul
RT: 23.25 min Scan# 3479
Delta R.T. -0.01 min
Lab File: BN010544.D
Acq: 17 Apr 2020 07:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	10.5	7.8	11.6





#92

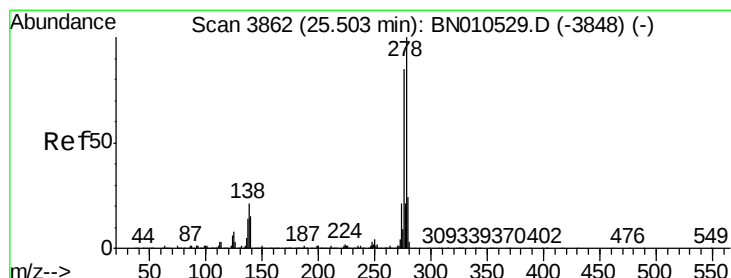
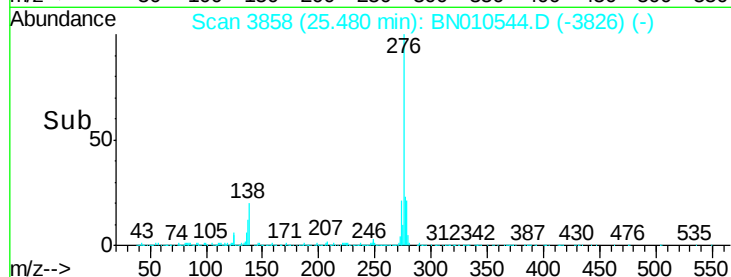
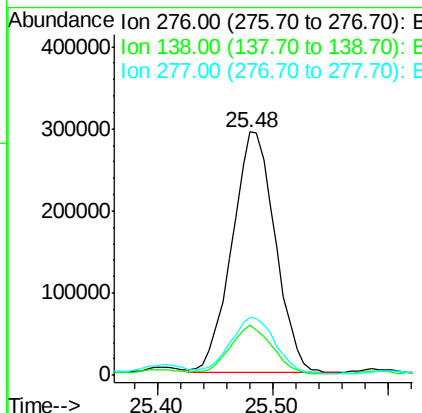
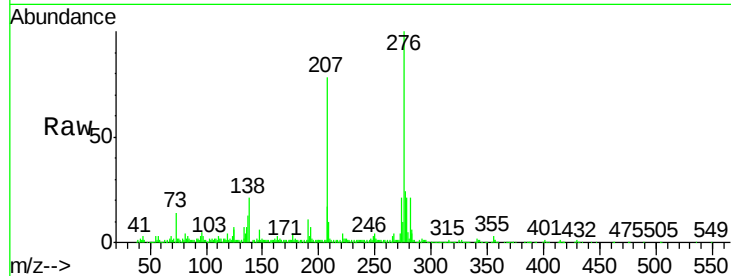
Indeno(1,2,3-cd)pyrene
Concen: 4.147 ng/ul
RT: 25.48 min Scan# 3858
Delta R.T. -0.01 min
Lab File: BN010544.D
Acq: 17 Apr 2020 07:51

Instrument :
BNA_N
ClientSampleId :
BG2J0

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.5	18.3	27.5
277	23.7	19.8	29.8

Manual Integrations
APPROVED

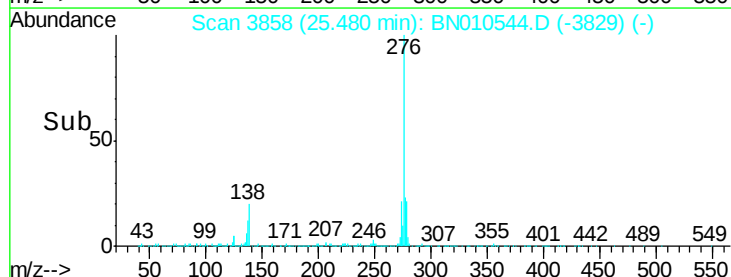
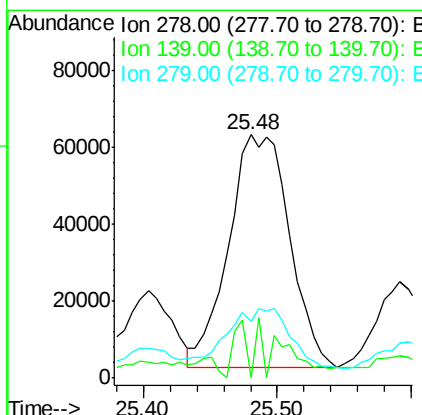
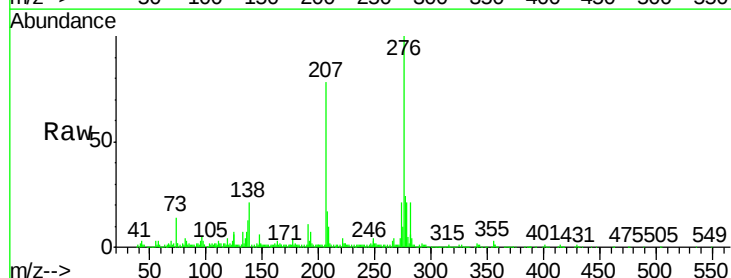
mohammad
4/17/2020 1:52:32 PM

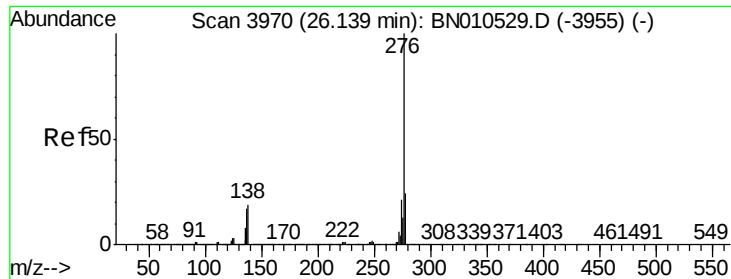


#93

Dibenzo(a,h)anthracene
Concen: 1.236 ng/ul m
RT: 25.48 min Scan# 3858
Delta R.T. -0.03 min
Lab File: BN010544.D
Acq: 17 Apr 2020 07:51

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.5	17.3#
279	23.4	19.2	28.8





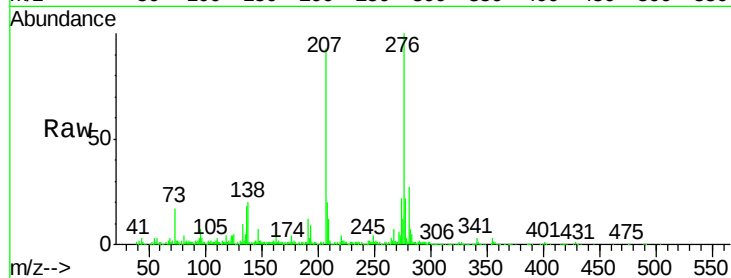
#94
Benzo(a,h,i)perylene
Concen: 4.654 ng/ul
RT: 26.14 min Scan# 3970
Delta R.T. -0.01 min
Lab File: BN010544.D
Acq: 17 Apr 2020 07:51

Instrument :
BNA_N
ClientSampleId :
BG2J0

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.2	14.7	22.1
277	22.0	18.4	27.6

Manual Integrations
APPROVED

mohammad
4/17/2020 1:52:32 PM



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

