

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009519.D
 Acq On : 31 Jan 2020 20:00
 Operator : CG/JU
 Sample : L1271-04 5X
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASZ5

Manual Integrations
 APPROVED

mohammad
 2/3/2020 4:09:05 PM

Quant Time: Feb 01 01:25:35 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 22 15:13:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	197627	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.20	136	826159	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.09	164	506303	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.84	188	1002903	20.00	ng/ul	-0.01
77) Chrysene-d12	21.05	240	867846	20.00	ng/ul	0.00
85) Perylene-d12	23.17	264	944843	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.10	96	2383	0.50	ng/uL	0.01
5) Phenol-d5	6.66	99	51962	2.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	38890	3.13	ng/ul	0.00
9) 2-Chlorophenol-d4	7.00	132	41399	3.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.17	113	43178	3.10	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	20788	3.46	ng/ul	0.00
22) 2-Nitrophenol-d4	9.30	143	22189	3.52	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	9.84	165	44761	3.58	ng/ul	0.00
29) 4-Chloroaniline-d4	10.36	131	14382	0.95	ng/ul	0.00
43) Dimethylphthalate-d6	13.51	166	146570	3.91	ng/ul	-0.01
46) Acenaphthylene-d8	13.77	160	166002	3.73	ng/ul	-0.01
51) 4-Nitrophenol-d4	14.33	143	18127	2.60	ng/ul	0.00
57) Fluorene-d10	15.09	176	124391	3.78	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.23	200	17120	2.82	ng/ul	0.00
70) Anthracene-d10	16.94	188	179128	3.86	ng/ul	0.00
78) Pyrene-d10	19.24	212	178376	3.82	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	164047	3.44	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.25	128	69485	1.563	ng/ul#	95
34) 2-Methylnaphthalene	11.87	142	382507	12.497	ng/ul	99
47) Acenaphthylene	13.80	152	471286	9.819	ng/ul	99
49) Acenaphthene	14.15	153	53086	1.621	ng/ul	96
58) Fluorene	15.15	166	141352	3.708	ng/ul	93
69) Phenanthrene	16.88	178	860025	15.198	ng/ul	99
71) Anthracene	16.97	178	178044	3.090	ng/ul	98
76) Fluoranthene	18.91	202	967218	14.910	ng/ul	99
79) Pyrene	19.27	202	2846029	45.292	ng/ul	99
82) Benzo(a)anthracene	21.03	228	539270	9.125	ng/ul	93
84) Chrysene	21.09	228	645907	11.219	ng/ul	97
87) Benzo(b)fluoranthene	22.55	252	565517m	9.466	ng/ul	
88) Benzo(k)fluoranthene	22.58	252	152579m	2.597	ng/ul	
90) Benzo(a)pyrene	23.07	252	132864	2.478	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.23	276	199843	3.075	ng/ul	94
92) Dibenzo(a,h)anthracene	25.23	278	78505	1.432	ng/ul#	91
93) Benzo(g,h,i)perylene	25.85	276	136147	2.519	ng/ul	96

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

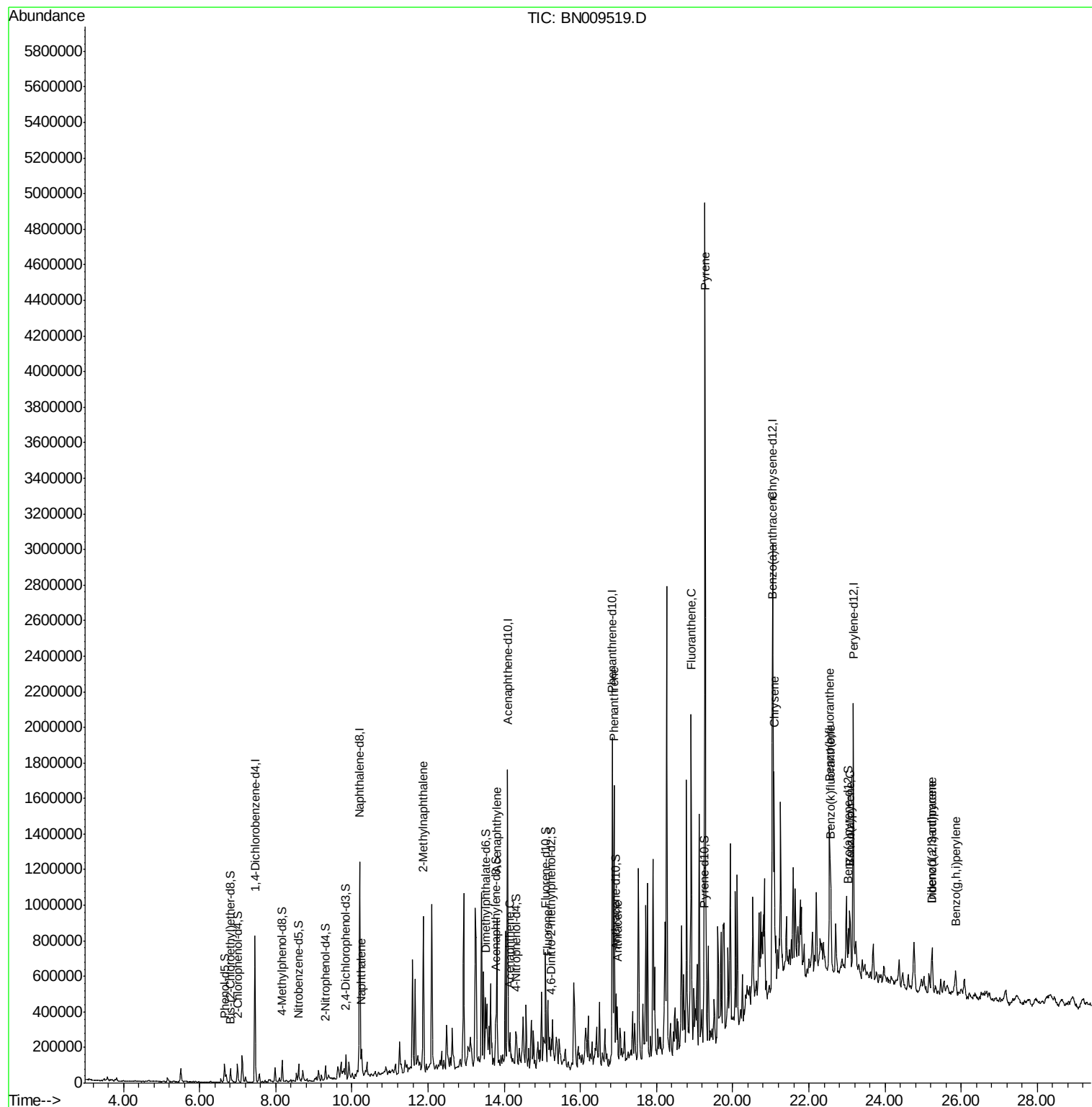
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN013020\
Data File : BN009519.D
Acq On : 31 Jan 2020 20:00
Operator : CG/JU
Sample : L1271-04 5X
Misc :
ALS Vial : 44 Sample Multiplier: 1

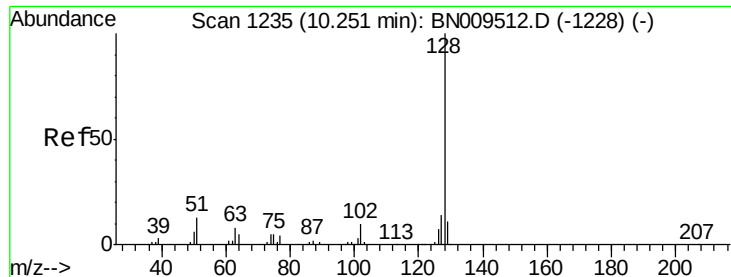
Instrument :
BNA_N
ClientSampleId :
GASZ5

Manual Integrations
APPROVED

mohammad
2/3/2020 4:09:05 PM

Quant Time: Feb 01 01:25:35 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 22 15:13:20 2020
Response via : Initial Calibration





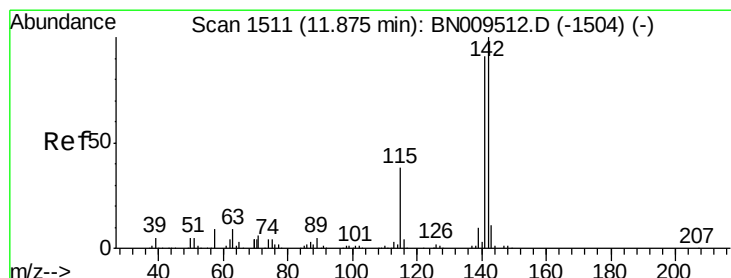
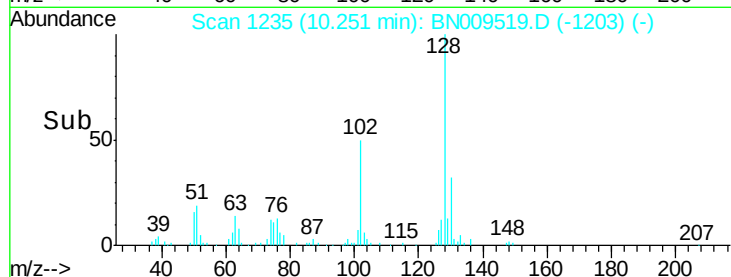
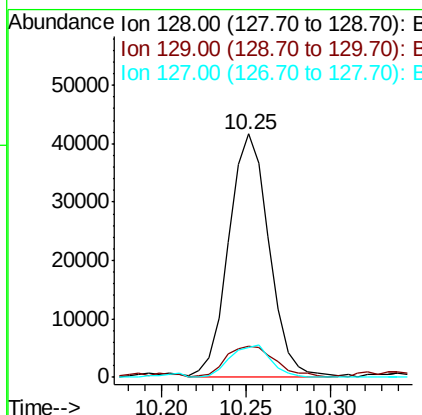
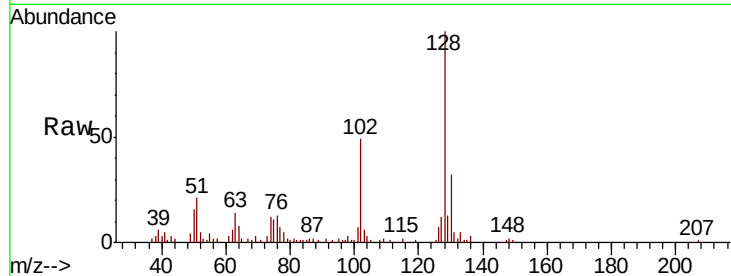
#28
Naphthalene
Concen: 1.563 ng/ul
RT: 10.25 min Scan# 1235
Delta R.T. -0.01 min
Lab File: BN009519.D
Acq: 31 Jan 2020 20:00

Instrument :
BNA_N
ClientSampled :
GASZ5

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.6	8.1	12.1#
127	12.1	11.0	16.6

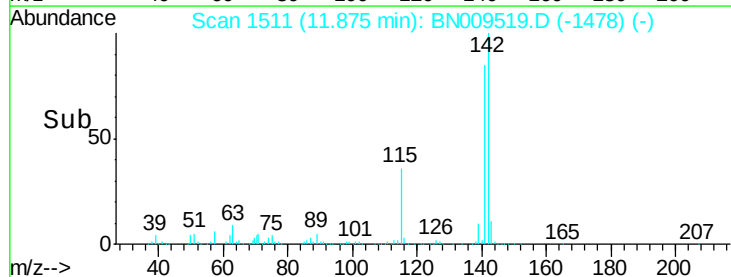
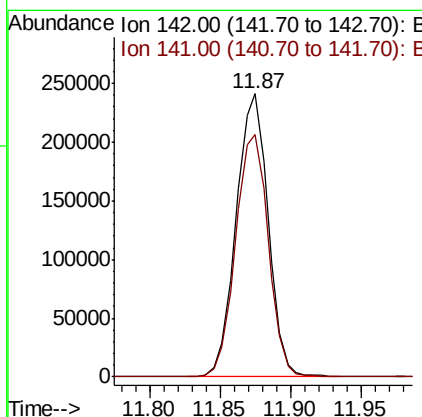
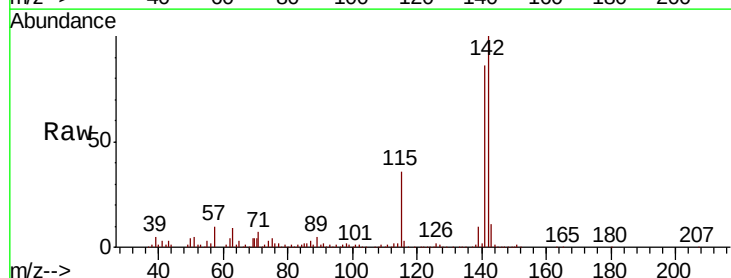
Manual Integrations
APPROVED

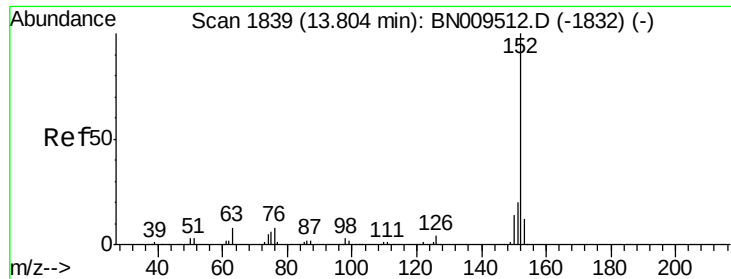
mohammad
2/3/2020 4:09:05 PM



#34
2-Methylnaphthalene
Concen: 12.497 ng/ul
RT: 11.87 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BN009519.D
Acq: 31 Jan 2020 20:00

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.6	69.3	103.9





#47

Acenaphthylene

Concen: 9.819 ng/ul

RT: 13.80 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BN009519.D

Acq: 31 Jan 2020 20:00

Instrument :

BNA_N

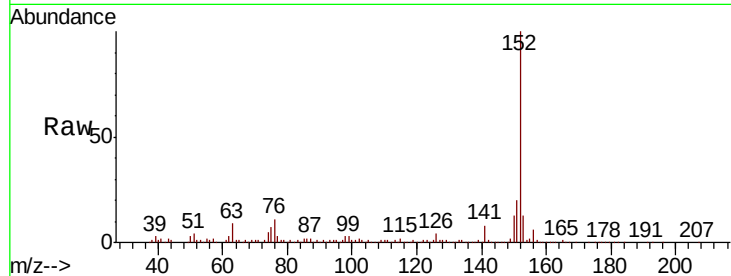
ClientSampleId :

GASZ5

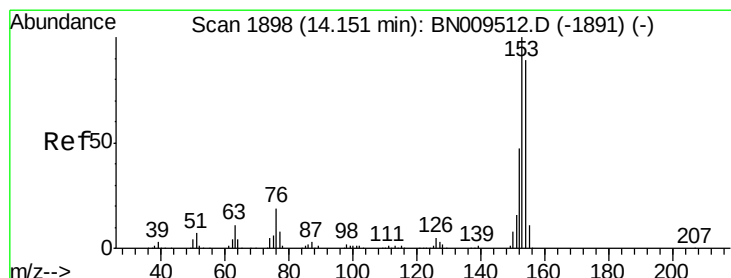
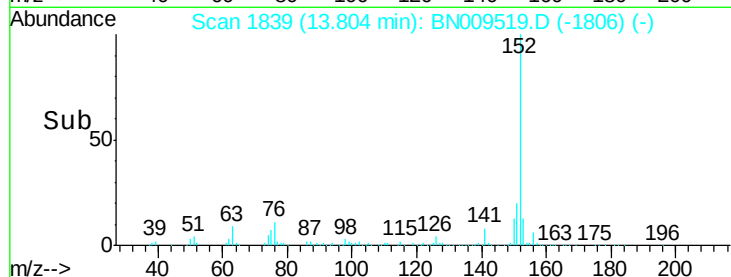
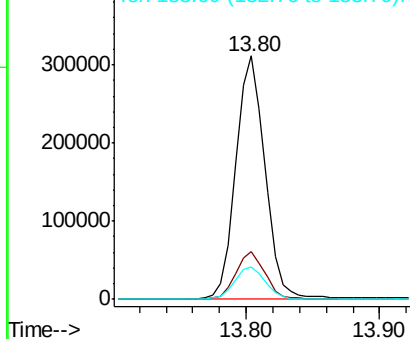
Tot Ion:	152	Resp:	471286
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.2	24.4
153	13.2	10.8	16.2

Manual Integrations
APPROVED

mohammad
2/3/2020 4:09:05 PM



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



#49

Acenaphthene

Concen: 1.621 ng/ul

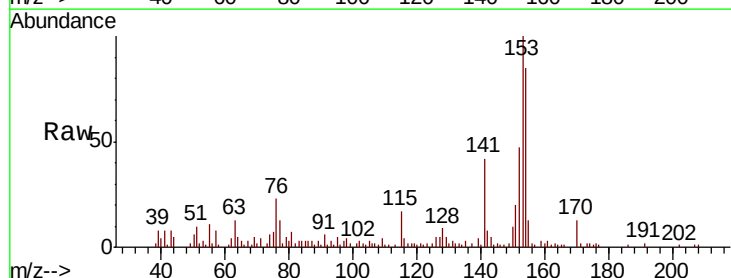
RT: 14.15 min Scan# 1898

Delta R.T. -0.01 min

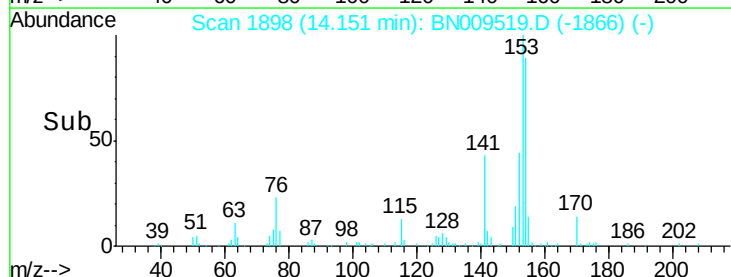
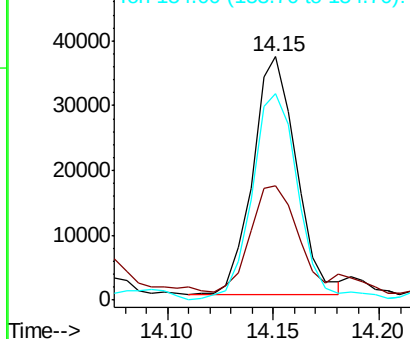
Lab File: BN009519.D

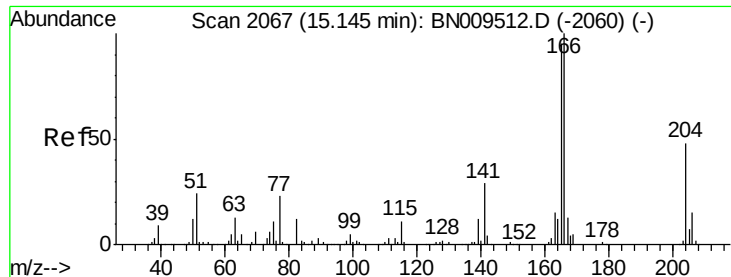
Acq: 31 Jan 2020 20:00

Tgt Ion:	153	Resp:	53086
Ion Ratio	Lower	Upper	
153	100		
152	47.2	36.3	54.5
154	85.0	71.4	107.0



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





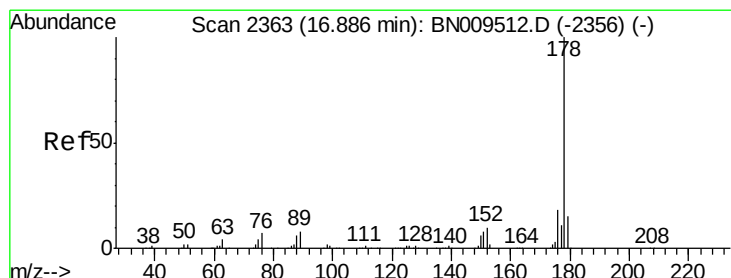
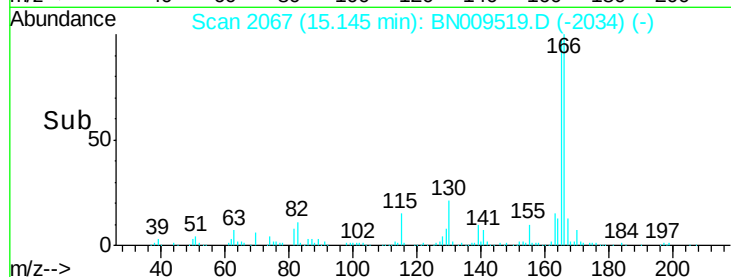
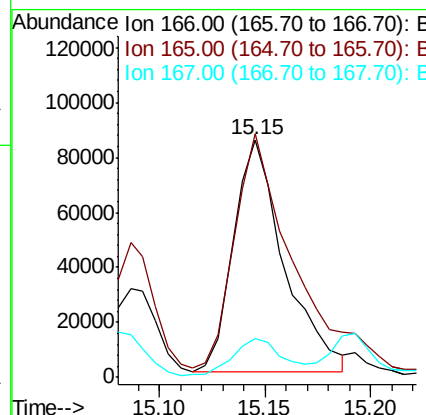
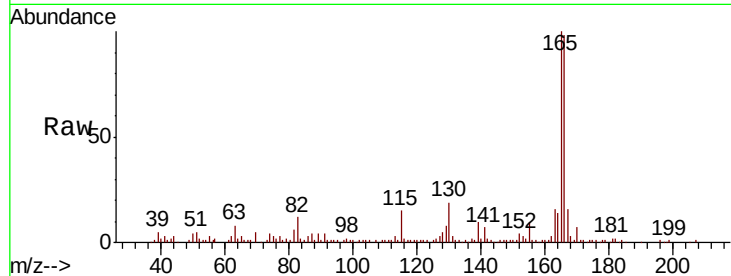
#58
Fluorene
Concen: 3.708 ng/ul
RT: 15.15 min Scan# 2067
Delta R.T. -0.01 min
Lab File: BN009519.D
Acq: 31 Jan 2020 20:00

Instrument :
BNA_N
ClientSampled :
GASZ5

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.5	76.5	114.7
167	16.1	10.9	16.3

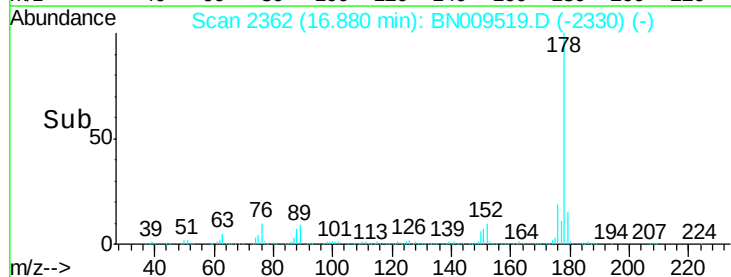
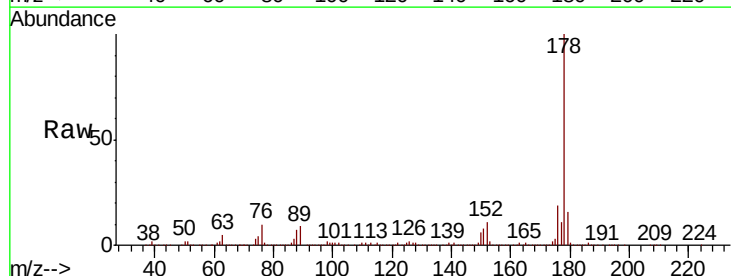
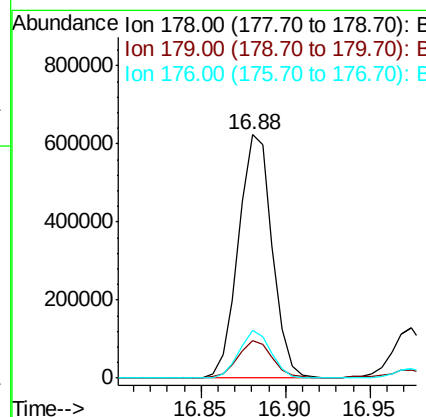
Manual Integrations
APPROVED

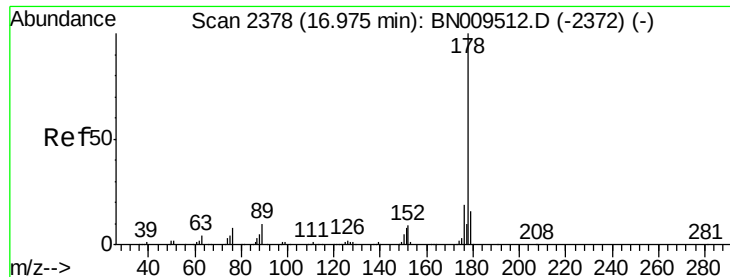
mohammad
2/3/2020 4:09:05 PM



#69
Phenanthrene
Concen: 15.198 ng/ul
RT: 16.88 min Scan# 2362
Delta R.T. -0.01 min
Lab File: BN009519.D
Acq: 31 Jan 2020 20:00

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	13.3	19.9
176	19.4	15.5	23.3





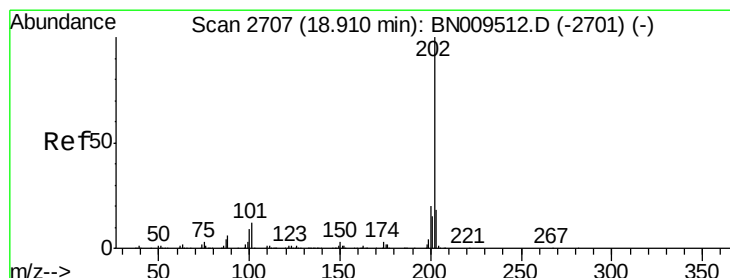
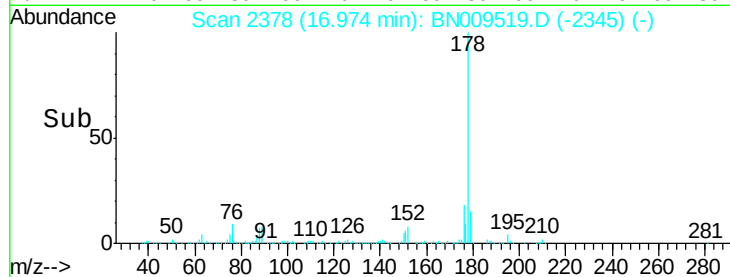
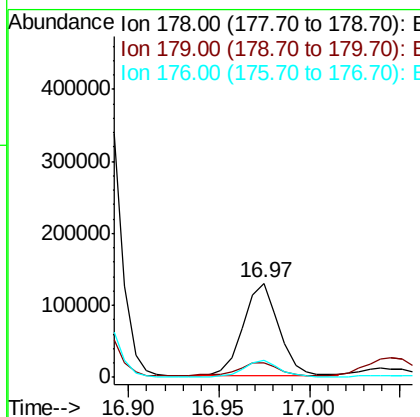
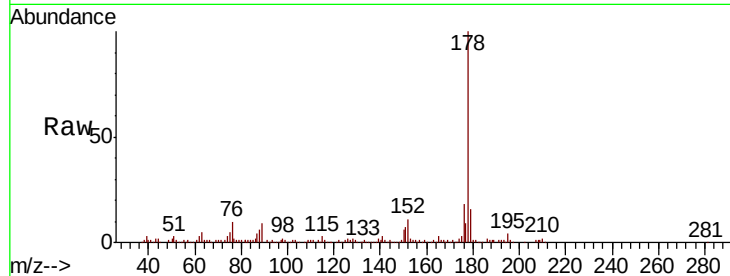
#71
 Anthracene
 Concen: 3.090 ng/ul
 RT: 16.97 min Scan# 2378
 Delta R.T. -0.01 min
 Lab File: BN009519.D
 Acq: 31 Jan 2020 20:00

Instrument :
 BNA_N
 ClientSampleId :
 GASZ5

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.0	11.8	17.6
176	17.9	14.6	22.0

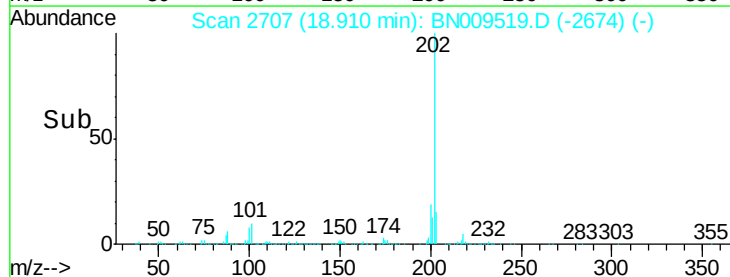
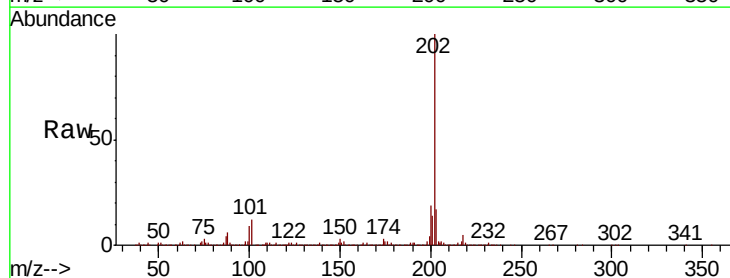
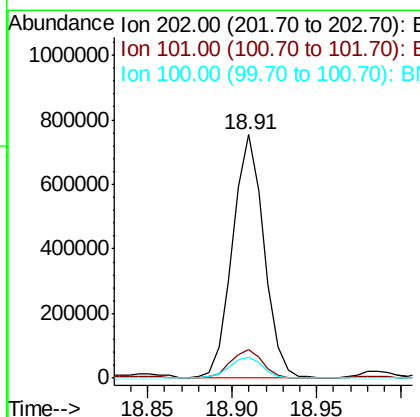
Manual Integrations
 APPROVED

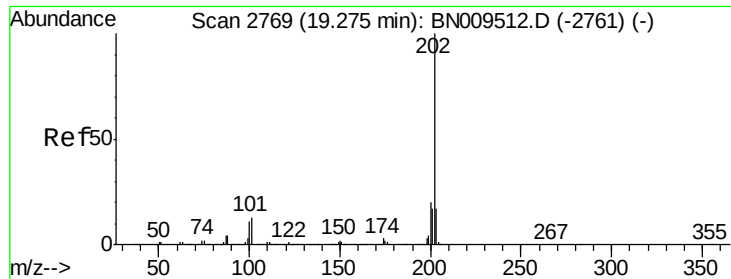
mohammad
 2/3/2020 4:09:05 PM



#76
 Fluoranthene
 Concen: 14.910 ng/ul
 RT: 18.91 min Scan# 2707
 Delta R.T. -0.01 min
 Lab File: BN009519.D
 Acq: 31 Jan 2020 20:00

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.7	14.5
100	8.5	7.1	10.7





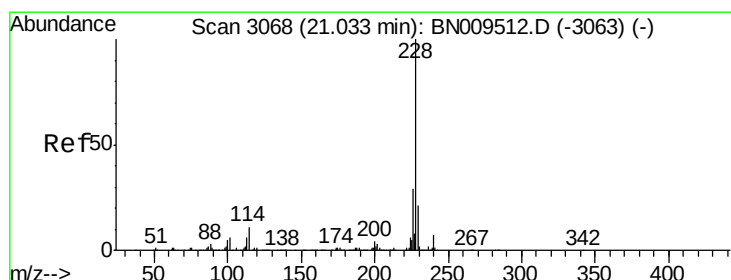
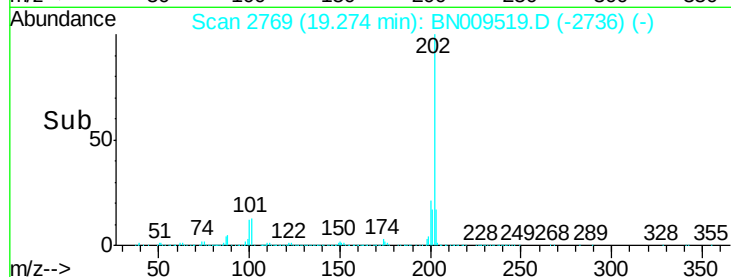
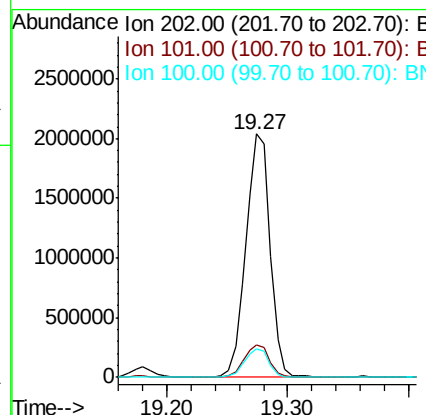
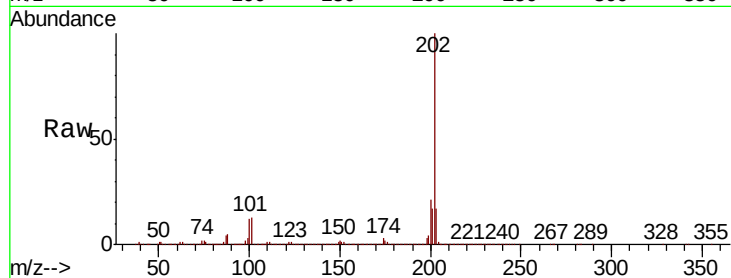
#79
Pvrene
Concen: 45.292 ng/ul
RT: 19.27 min Scan# 2769
Delta R.T. -0.01 min
Lab File: BN009519.D
Acq: 31 Jan 2020 20:00

Instrument :
BNA_N
ClientSampleId :
GASZ5

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.4	10.9	16.3
100	11.6	8.6	12.8

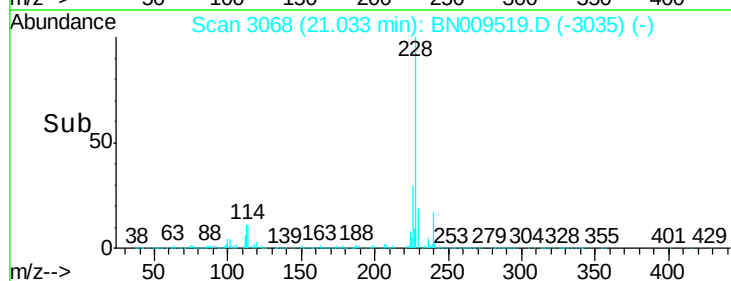
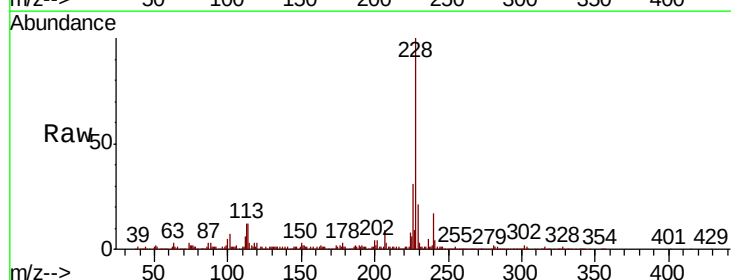
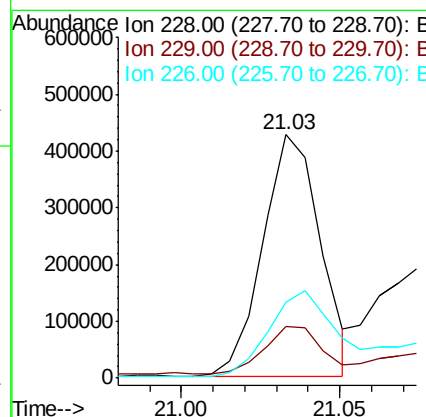
Manual Integrations
APPROVED

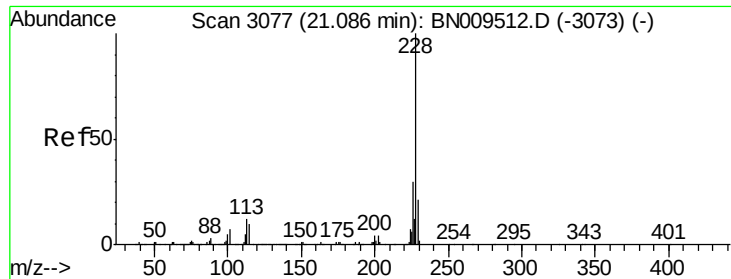
mohammad
2/3/2020 4:09:05 PM



#82
Benzo(a)anthracene
Concen: 9.125 ng/ul
RT: 21.03 min Scan# 3068
Delta R.T. -0.01 min
Lab File: BN009519.D
Acq: 31 Jan 2020 20:00

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.3	15.9	23.9
226	31.2	20.9	31.3





#84

Chrysene

Concen: 11.219 ng/ul

RT: 21.09 min Scan# 3077

Delta R.T. -0.01 min

Lab File: BN009519.D

Acq: 31 Jan 2020 20:00

Instrument :

BNA_N

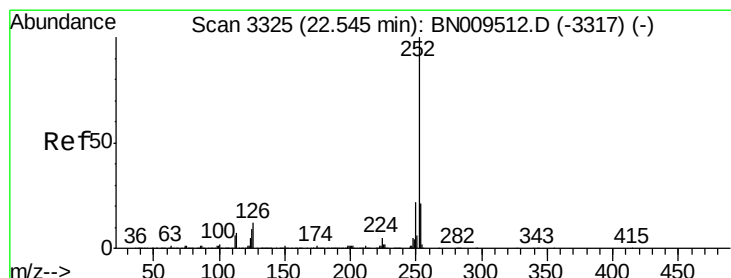
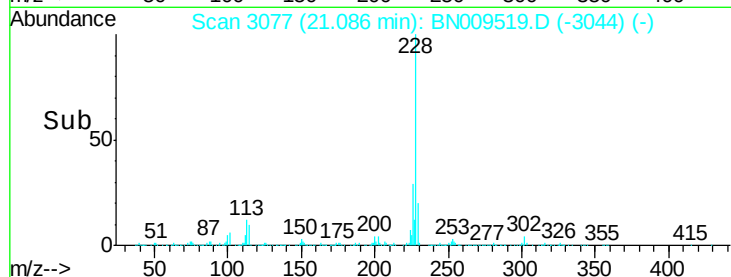
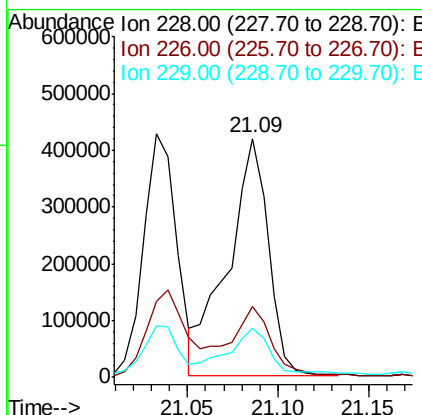
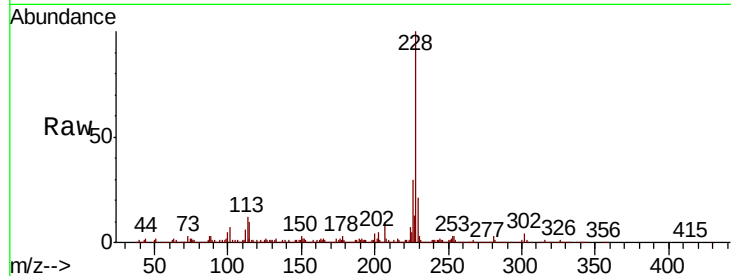
ClientSampled :

GASZ5

Tot Ion:	228	Resp:	645907
Ion Ratio		Lower	Upper
228	100		
226	29.8	22.9	34.3
229	20.7	15.4	23.0

Manual Integrations
APPROVED

mohammad
2/3/2020 4:09:05 PM



#87

Benzo(b)fluoranthene

Concen: 9.466 ng/ul m

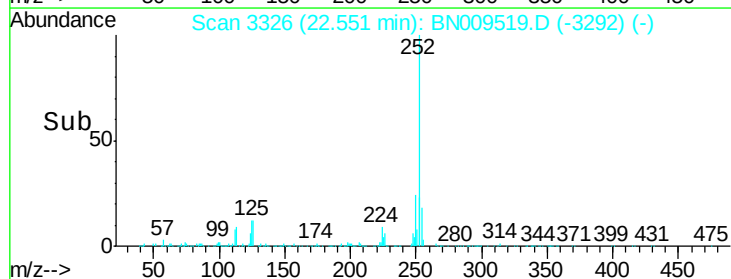
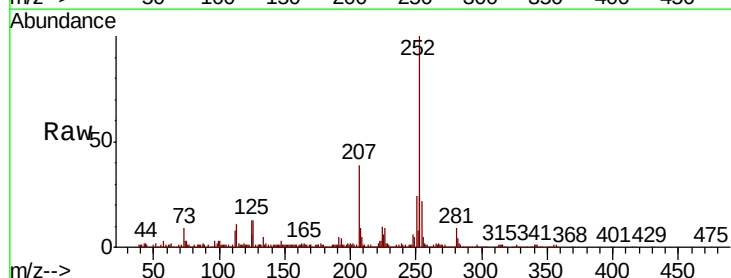
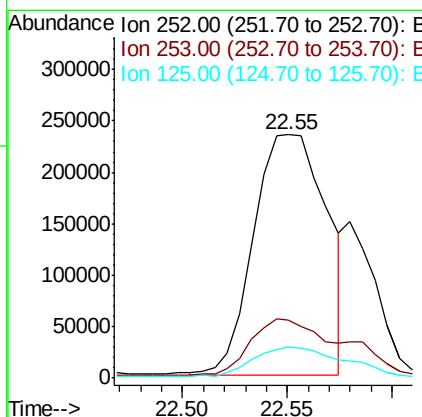
RT: 22.55 min Scan# 3326

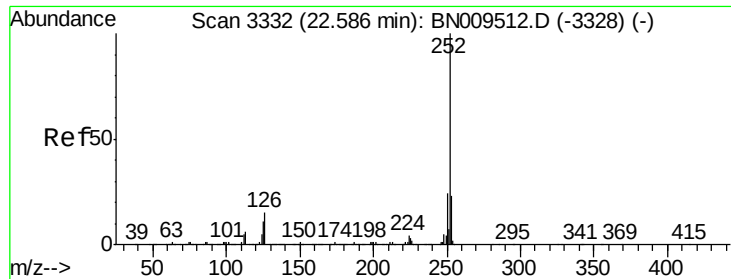
Delta R.T. -0.00 min

Lab File: BN009519.D

Acq: 31 Jan 2020 20:00

Tgt Ion:	252	Resp:	565517
Ion Ratio		Lower	Upper
252	100		
253	23.9	16.5	24.7
125	12.7	8.2	12.2#





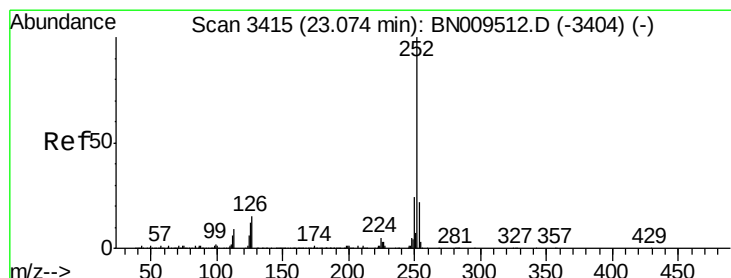
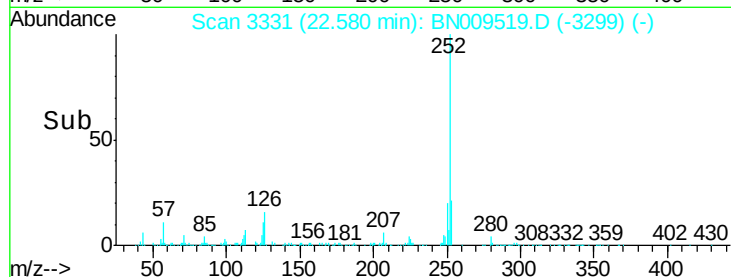
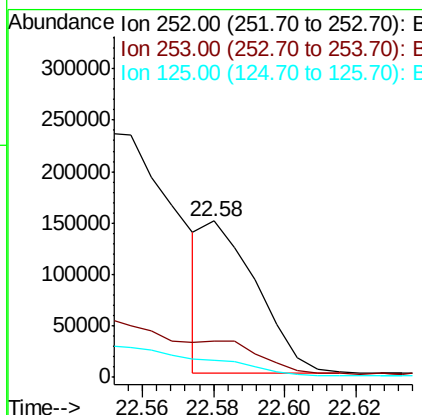
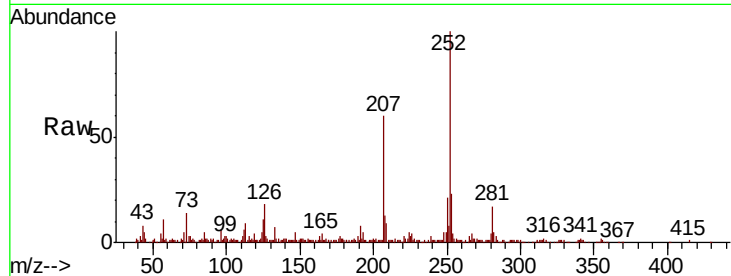
#88
Benzo(k)fluoranthene
Concen: 2.597 ng/ul m
RT: 22.58 min Scan# 3331
Delta R.T. -0.01 min
Lab File: BN009519.D
Acq: 31 Jan 2020 20:00

Instrument :
BNA_N
ClientSampleId :
GASZ5

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.4
125	11.3	7.8	11.8

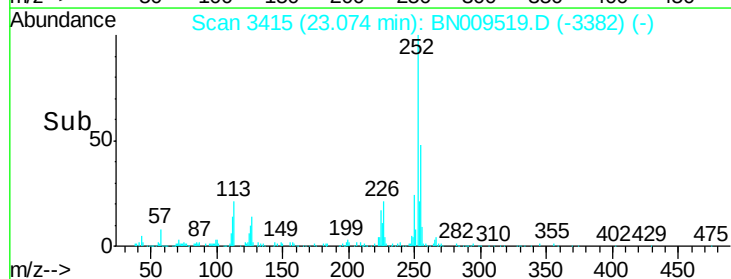
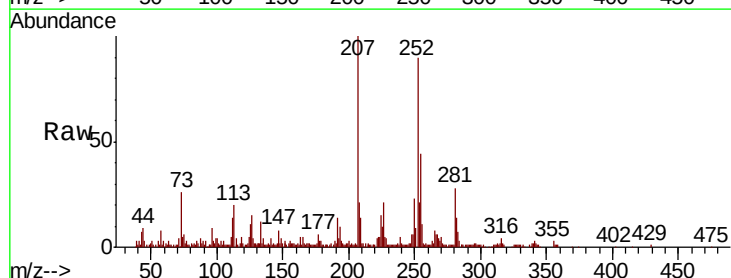
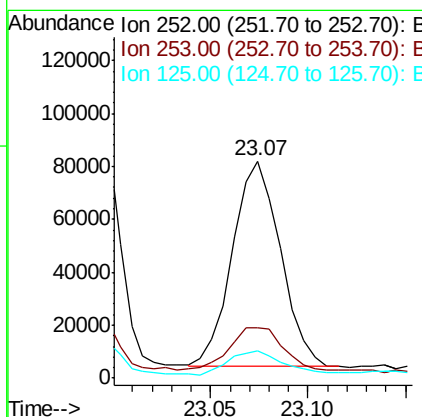
Manual Integrations
APPROVED

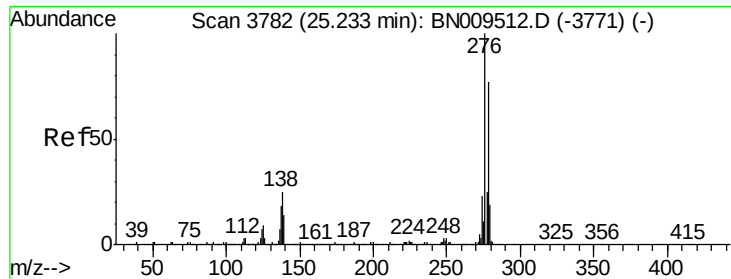
mohammad
2/3/2020 4:09:05 PM



#90
Benzo(a)pyrene
Concen: 2.478 ng/ul
RT: 23.07 min Scan# 3415
Delta R.T. -0.01 min
Lab File: BN009519.D
Acq: 31 Jan 2020 20:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	12.4	9.8	14.6





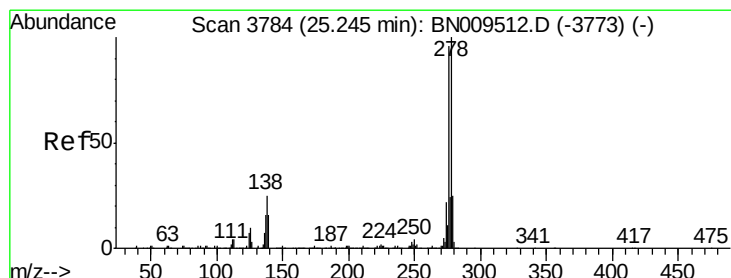
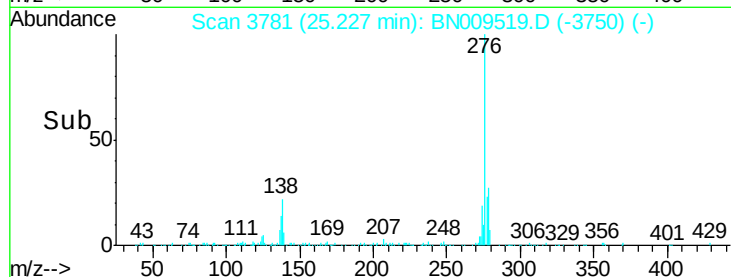
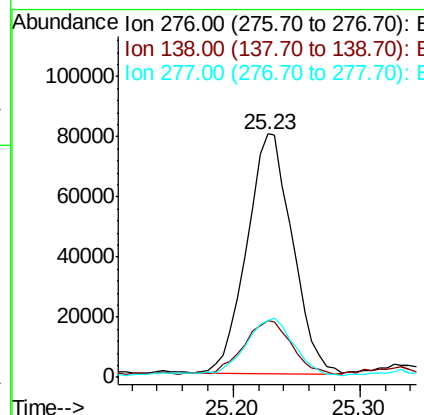
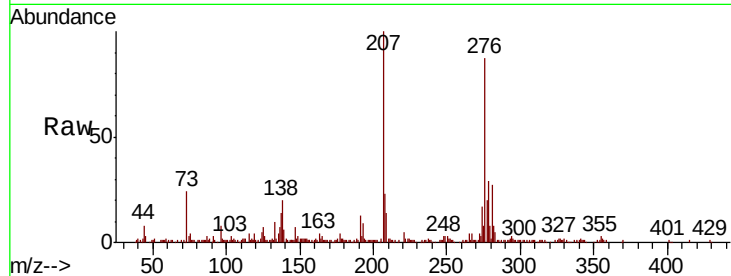
#91
Indeno(1,2,3-cd)pyrene
Concen: 3.075 ng/ul
RT: 25.23 min Scan# 3781
Delta R.T. -0.02 min
Lab File: BN009519.D
Acq: 31 Jan 2020 20:00

Instrument :
BNA_N
ClientSampled :
GASZ5

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.1	21.4	32.0
277	23.2	20.4	30.6

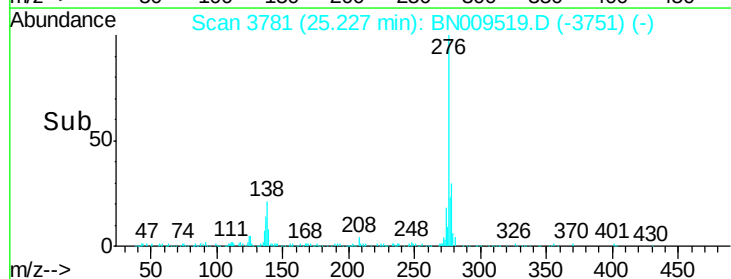
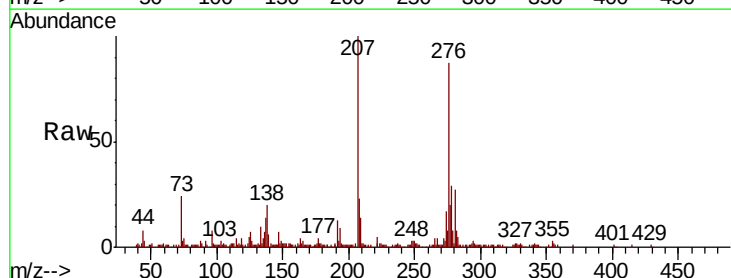
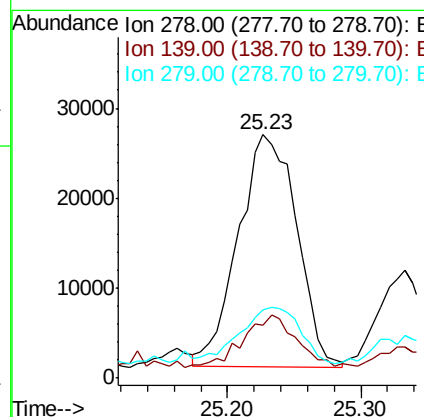
Manual Integrations
APPROVED

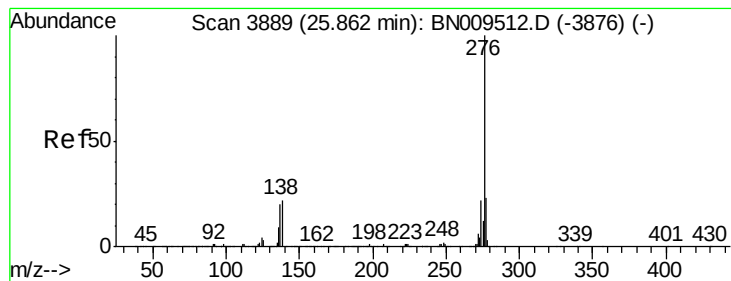
mohammad
2/3/2020 4:09:05 PM



#92
Dibenzo(a,h)anthracene
Concen: 1.432 ng/ul
RT: 25.23 min Scan# 3781
Delta R.T. -0.02 min
Lab File: BN009519.D
Acq: 31 Jan 2020 20:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.8	13.9	20.9#
279	28.1	19.3	28.9





#93

Benzo(a,h,i)perylene

Concen: 2.519 ng/ul

RT: 25.85 min Scan# 3887

Delta R.T. -0.02 min

Lab File: BN009519.D

Acq: 31 Jan 2020 20:00

Instrument :

BNA_N

ClientSampleId :

GASZ5

Tot Ion:	276	Resp:	136147
Ion Ratio	Lower	Upper	
276	100		
138	24.3	16.6	24.8
277	24.2	18.7	28.1

Manual Integrations
APPROVED

mohammad
2/3/2020 4:09:05 PM

