

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100520\
 Data File : BN012089.D
 Acq On : 06 Oct 2020 13:40
 Operator : CG/JU
 Sample : L4184-16
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AP2

Manual Integrations
 APPROVED

mohammad
 10/7/2020 10:37:16 AM

Quant Time: Oct 06 14:10:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 02 16:22:43 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.657	152	411995	20.00	ng/ul	0.00
18) Naphthalene-d8	10.433	136	1672293	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.298	164	956808	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.051	188	1766168	20.00	ng/ul	0.00
78) Chrysene-d12	21.262	240	1720397	20.00	ng/ul	0.02
86) Perylene-d12	23.474	264	1991085	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.199	96	27514	2.91	ng/uL	0.00
5) Phenol-d5	6.834	99	570460	16.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)eth...	6.998	67	353401	16.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.192	132	467764	16.82	ng/ul	0.00
13) 4-Methylphenol-d8	8.357	113	459972	16.99	ng/ul	0.00
19) Nitrobenzene-d5	8.804	128	219997	16.57	ng/ul	0.00
22) 2-Nitrophenol-d4	9.522	143	238116	16.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.051	165	449130	16.31	ng/ul	0.00
29) 4-Chloroaniline-d4	10.569	131	425548	13.11	ng/ul	0.00
44) Dimethylphthalate-d6	13.710	166	1390707	18.53	ng/ul	0.00
47) Acenaphthylene-d8	13.986	160	1646573	18.38	ng/ul	0.00
52) 4-Nitrophenol-d4	14.498	143	200136	14.48	ng/ul	0.00
58) Fluorene-d10	15.292	176	1129497	17.24	ng/ul	0.00
63) 4,6-Dinitro-2-methylph...	15.427	200	64492	5.72	ng/ul	0.01
71) Anthracene-d10	17.151	188	1574881	18.39	ng/ul	0.00
79) Pyrene-d10	19.457	212	1673341	18.49	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.333	264	1805671	16.16	ng/ul	0.02
Target Compounds						
					Qvalue	
6) Phenol	6.857	94	43765	1.22	ng/ul	97
28) Naphthalene	10.481	128	1034707	10.81	ng/ul	99
34) 2-Methylnaphthalene	12.098	142	711292	10.81	ng/ul	93
41) 1,1'-Biphenyl	13.122	154	325951	4.11	ng/ul	99
45) Dimethylphthalate	13.757	163	612511	7.92	ng/ul	100
48) Acenaphthylene	14.016	152	2104895	22.36	ng/ul	98
50) Acenaphthene	14.363	153	2251921	33.29	ng/ul	99
54) Dibenzofuran	14.698	168	2770784	30.02	ng/ul	100
59) Fluorene	15.351	166	4588714	59.30	ng/ul	99
70) Phenanthrene	17.092	178	21969535m	204.18	ng/ul	
72) Anthracene	17.186	178	12151001	111.84	ng/ul	98
75) Carbazole	17.451	167	2335324	24.75	ng/ul	99
76) Di-n-butylphthalate	18.021	149	678195	5.66	ng/ul#	93
77) Fluoranthene	19.115	202	21115197m	174.72	ng/ul	
80) Pyrene	19.480	202	21174238m	170.63	ng/ul	
81) Butylbenzylphthalate	20.392	149	111256	2.18	ng/ul#	94
83) Benzo(a)anthracene	21.239	228	16230314	140.04	ng/ul#	82
84) Bis(2-ethylhexyl)phtha...	21.174	149	589750	7.53	ng/ul	96
85) Chrysene	21.298	228	14893920	130.72	ng/ul#	76
88) Benzo(b)fluoranthene	22.821	252	18799076	134.78	ng/ul	98
89) Benzo(k)fluoranthene	22.856	252	5919786m	43.09	ng/ul	
91) Benzo(a)pyrene	23.392	252	13804061	109.10	ng/ul#	93
92) Indeno(1,2,3-cd)pyrene	25.703	276	8117542	50.24	ng/ul	98
93) Dibenzo(a,h)anthracene	25.709	278	2626566	19.73	ng/ul	92
94) Benzo(g,h,i)perylene	26.397	276	6435933	46.77	ng/ul	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100520\
Data File : BN012089.D
Acq On : 06 Oct 2020 13:40
Operator : CG/JU
Sample : L4184-16
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Oct 06 14:10:28 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100220.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 02 16:22:43 2020
Response via : Initial Calibration

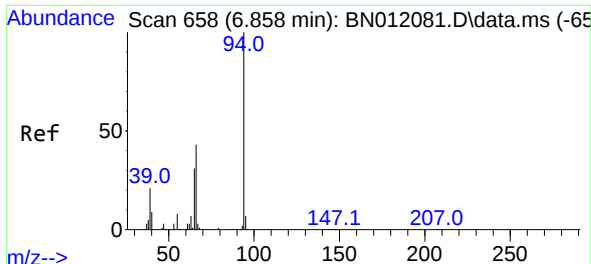
Instrument :
BNA_N
ClientSampleId :
C0AP2

Manual Integrations
APPROVED

mohammad
10/7/2020 10:37:16 AM

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



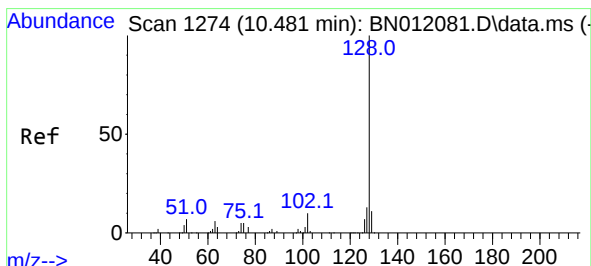
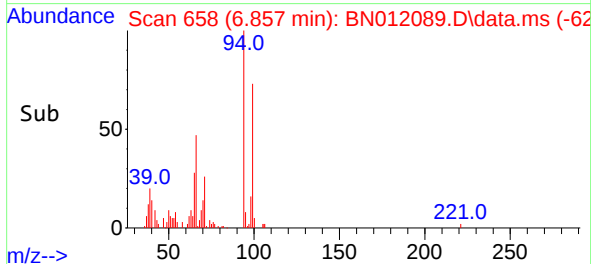
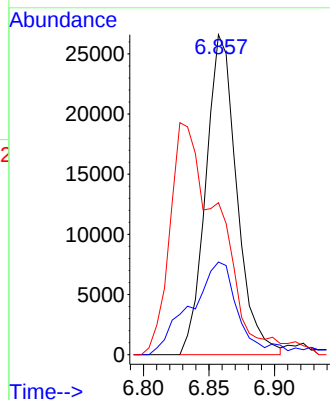
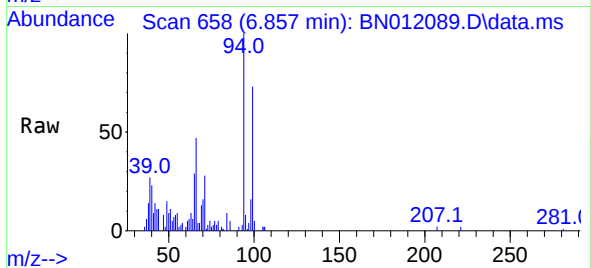
#6
Phenol
Concen: 1.22 ng/ul
RT: 6.857 min Scan# 658
Delta R.T. 0.000 min
Lab File: BN012089.D
Acq: 06 Oct 2020 13:40

Tgt Ion:	94	Resp:	43765
Ion	Ratio	Lower	Upper
94	100		
65	28.9	26.8	40.2
66	47.5	37.9	56.9

Instrument :
BNA_N
ClientSampled :
C0AP2

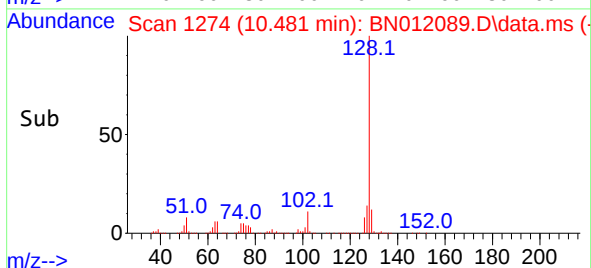
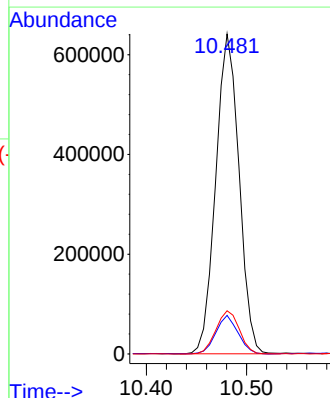
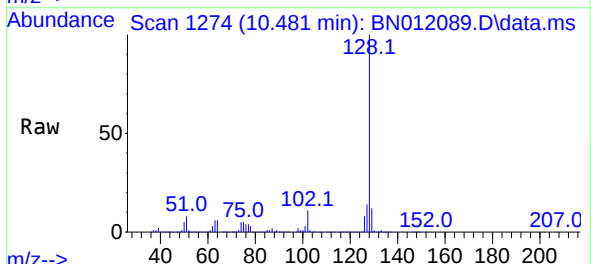
Manual Integrations
APPROVED

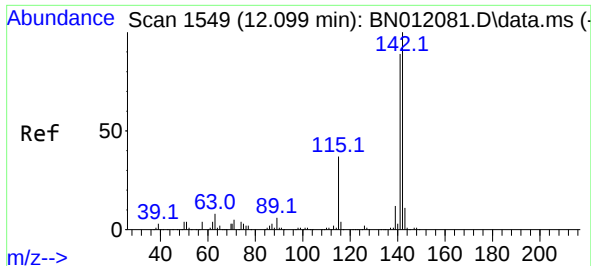
mohammad
10/7/2020 10:37:16 AM



#28
Naphthalene
Concen: 10.81 ng/ul
RT: 10.481 min Scan# 1274
Delta R.T. -0.006 min
Lab File: BN012089.D
Acq: 06 Oct 2020 13:40

Tgt Ion:	128	Resp:	1034707
Ion	Ratio	Lower	Upper
128	100		
129	12.1	8.8	13.2
127	13.5	10.7	16.1





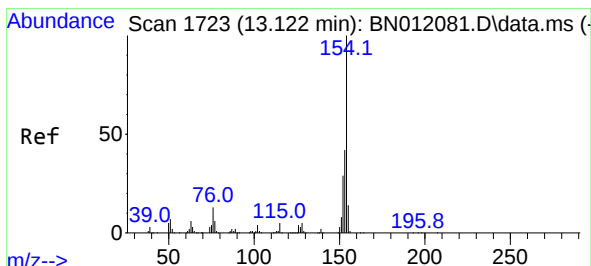
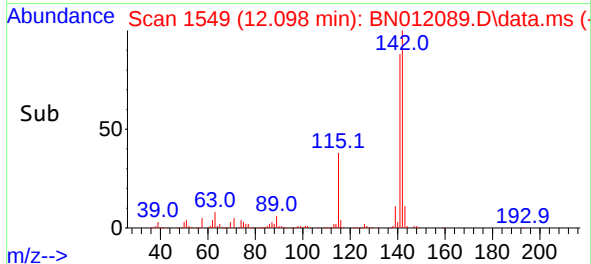
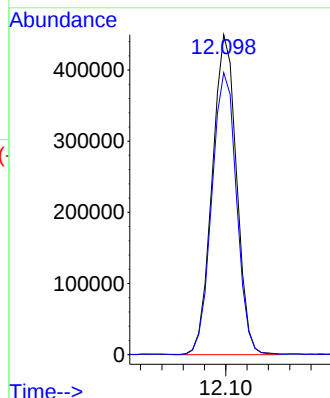
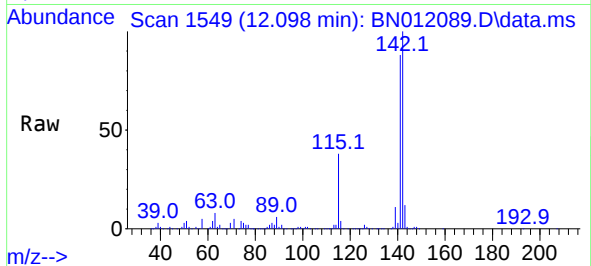
#34
2-Methylnaphthalene
Concen: 10.81 ng/ul
RT: 12.098 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BN012089.D
Acq: 06 Oct 2020 13:40

Instrument :
BNA_N
ClientSampled :
C0AP2

Tgt Ion:142 Resp: 711292
Ion Ratio Lower Upper
142 100
141 88.1 75.9 113.9

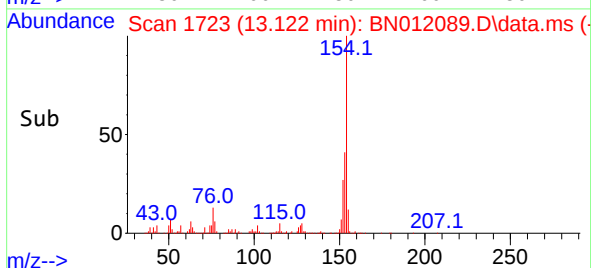
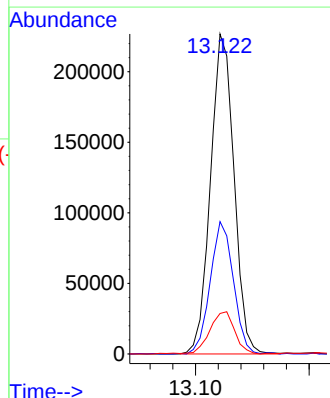
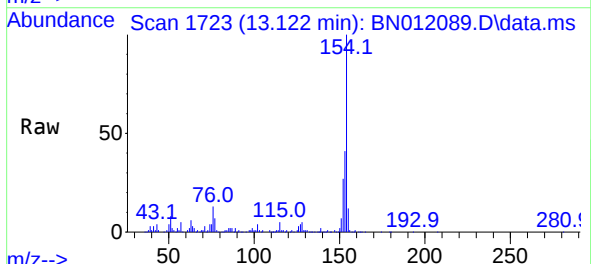
Manual Integrations
APPROVED

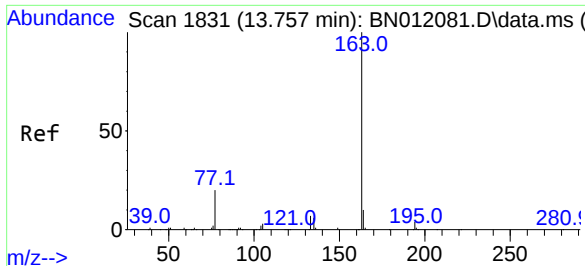
mohammad
10/7/2020 10:37:16 AM



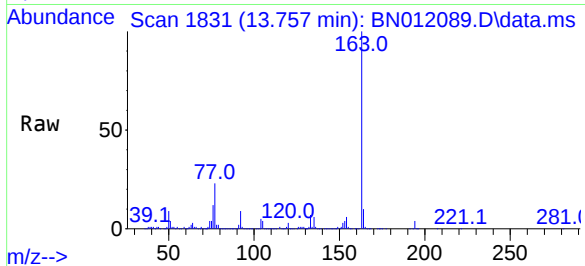
#41
1,1'-Biphenyl
Concen: 4.11 ng/ul
RT: 13.122 min Scan# 1723
Delta R.T. -0.006 min
Lab File: BN012089.D
Acq: 06 Oct 2020 13:40

Tgt Ion:154 Resp: 325951
Ion Ratio Lower Upper
154 100
153 41.4 33.9 50.9
76 12.7 9.8 14.8

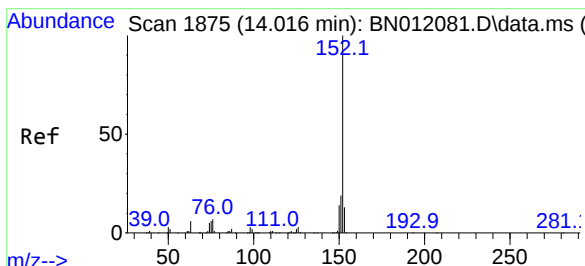
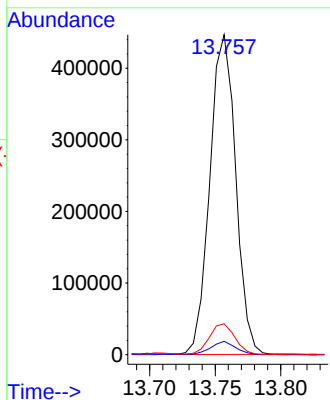
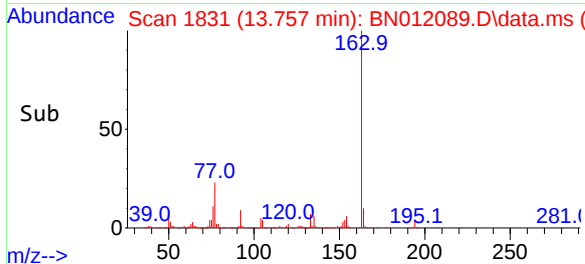




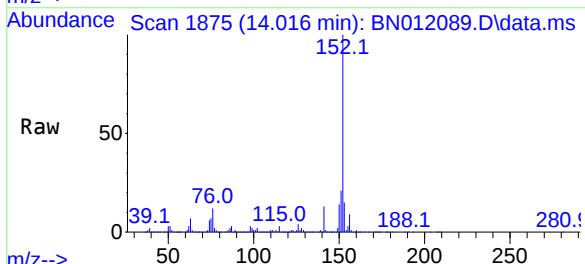
#45
Dimethylphthalate
Concen: 7.92 ng/ul
RT: 13.757 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BN012089.D
Acq: 06 Oct 2020 13:40



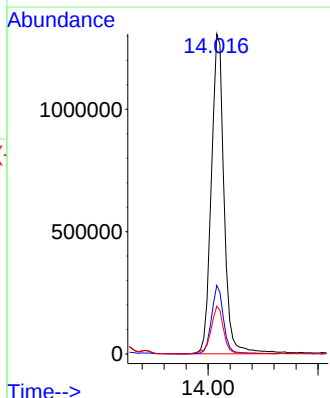
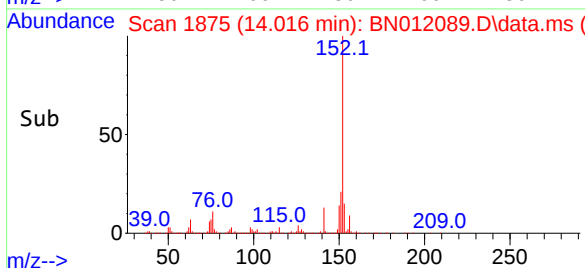
Tgt Ion:163 Resp: 612511
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 9.7 7.8 11.8



#48
Acenaphthylene
Concen: 22.36 ng/ul
RT: 14.016 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BN012089.D
Acq: 06 Oct 2020 13:40



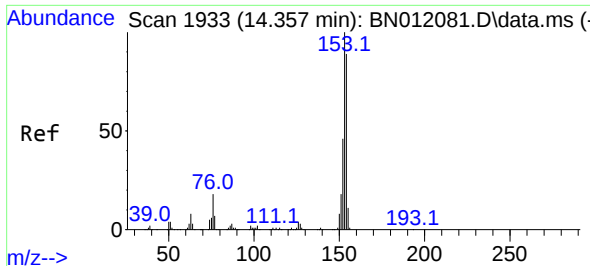
Tgt Ion:152 Resp: 2104895
Ion Ratio Lower Upper
152 100
151 21.4 16.3 24.5
153 14.9 11.4 17.2



Instrument :
BNA_N
ClientSampleId :
C0AP2

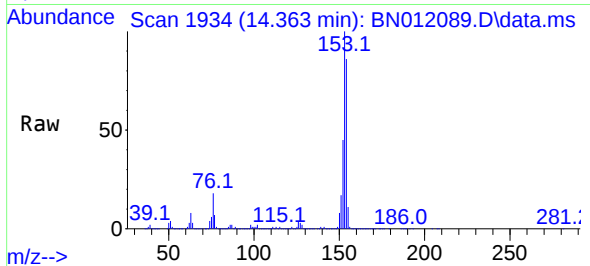
Manual Integrations
APPROVED

mohammad
10/7/2020 10:37:16 AM



#50
Acenaphthene
Concen: 33.29 ng/ul
RT: 14.363 min Scan# 1934
Delta R.T. 0.000 min
Lab File: BN012089.D
Acq: 06 Oct 2020 13:40

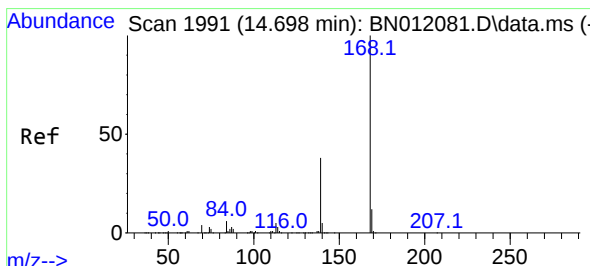
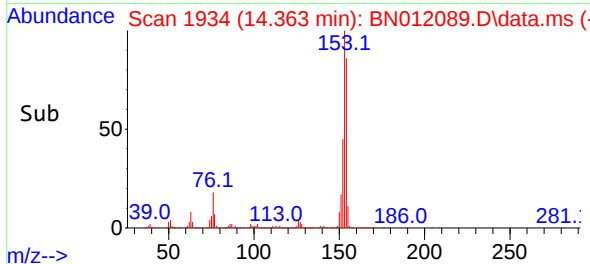
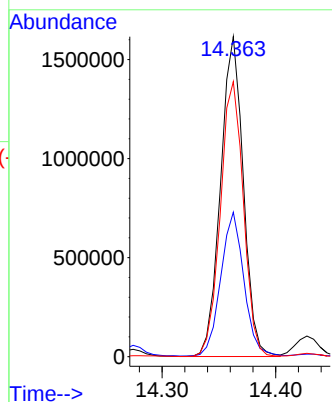
Instrument :
BNA_N
ClientSampled :
C0AP2



Tgt Ion:153 Resp: 2251921
Ion Ratio Lower Upper
153 100
152 45.2 35.9 53.9
154 86.0 70.2 105.2

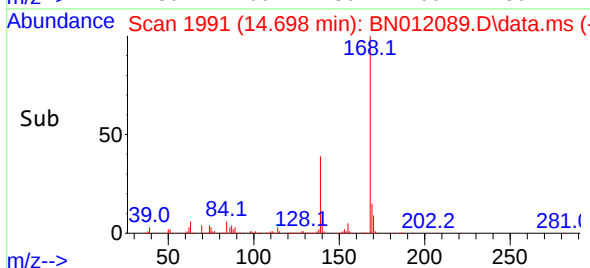
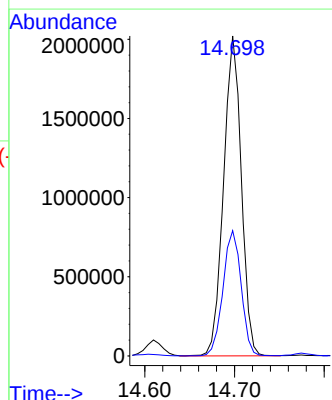
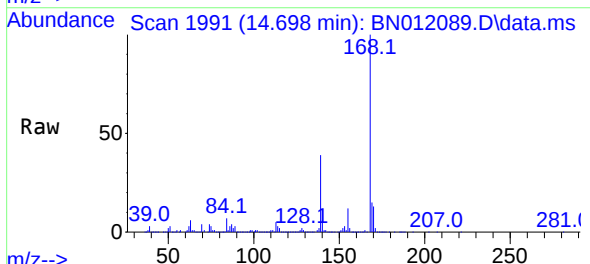
Manual Integrations
APPROVED

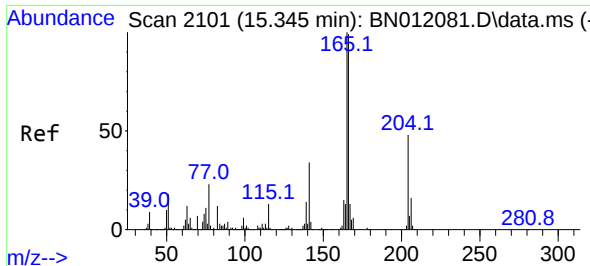
mohammad
10/7/2020 10:37:16 AM



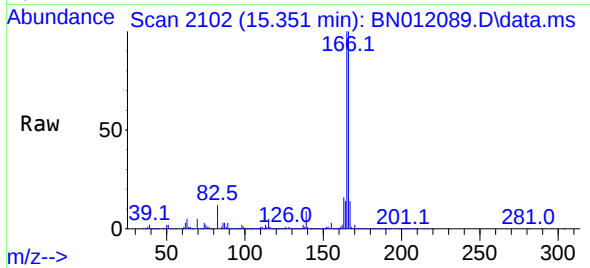
#54
Dibenzofuran
Concen: 30.02 ng/ul
RT: 14.698 min Scan# 1991
Delta R.T. 0.000 min
Lab File: BN012089.D
Acq: 06 Oct 2020 13:40

Tgt Ion:168 Resp: 2770784
Ion Ratio Lower Upper
168 100
139 39.2 31.5 47.3

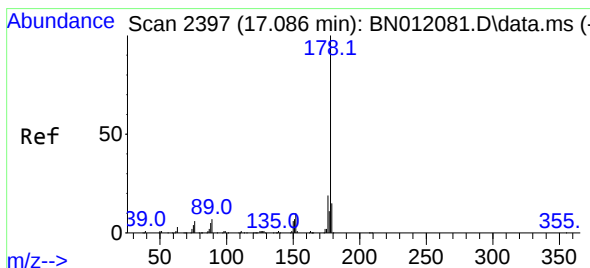
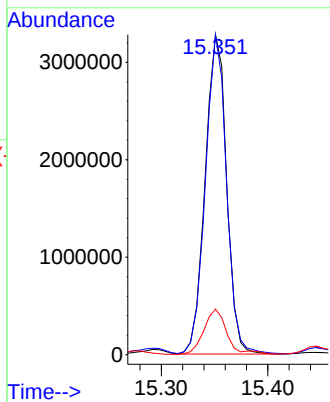
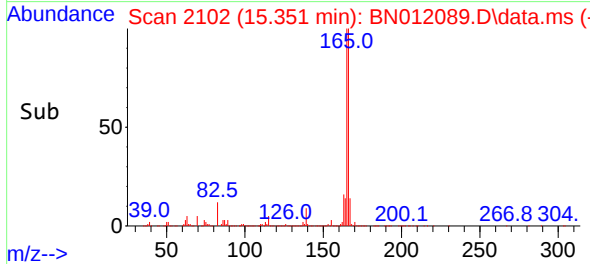




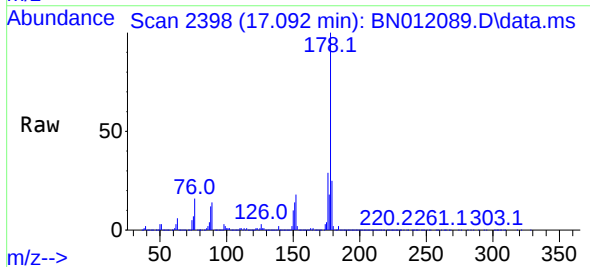
#59
Fluorene
Concen: 59.30 ng/ul
RT: 15.351 min Scan# 2102
Delta R.T. 0.000 min
Lab File: BN012089.D
Acq: 06 Oct 2020 13:40



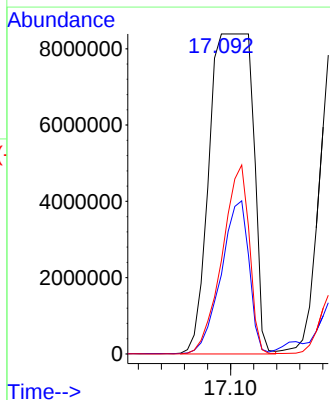
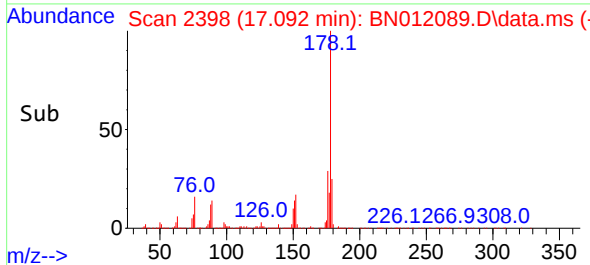
Tgt Ion:166 Resp: 4588714
Ion Ratio Lower Upper
166 100
165 99.9 79.0 118.6
167 14.2 10.5 15.7



#70
Phenanthrene
Concen: 204.18 ng/ul m
RT: 17.092 min Scan# 2398
Delta R.T. 0.006 min
Lab File: BN012089.D
Acq: 06 Oct 2020 13:40



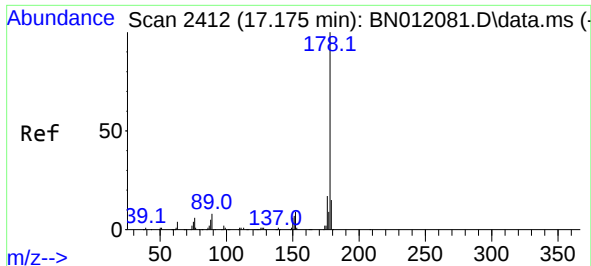
Tgt Ion:178 Resp:21969535
Ion Ratio Lower Upper
178 100
179 24.8 12.2 18.2#
176 29.2 15.4 23.2#



Instrument :
BNA_N
ClientSampleId :
C0AP2

Manual Integrations
APPROVED

mohammad
10/7/2020 10:37:16 AM



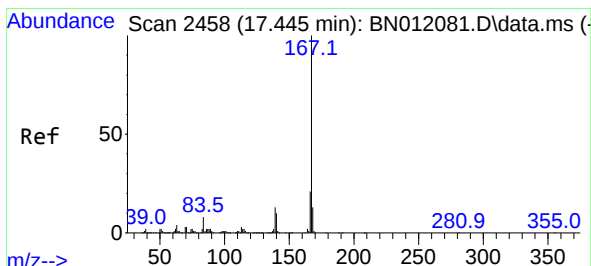
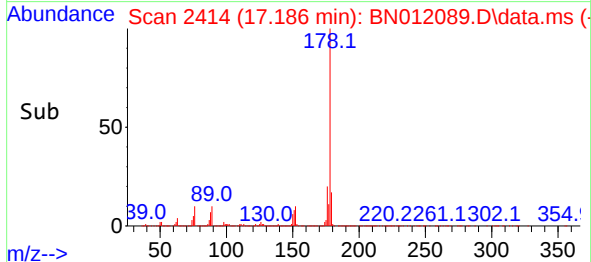
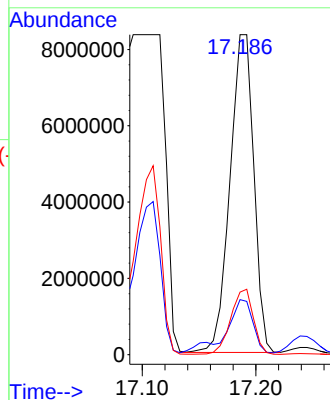
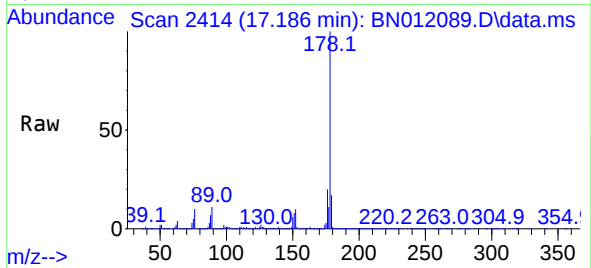
#72
 Anthracene
 Concen: 111.84 ng/ul
 RT: 17.186 min Scan# 2414
 Delta R.T. 0.006 min
 Lab File: BN012089.D
 Acq: 06 Oct 2020 13:40

Tgt Ion:178 Resp:12151001
 Ion Ratio Lower Upper
 178 100
 179 17.2 12.8 19.2
 176 19.5 15.0 22.6

Instrument :
 BNA_N
 ClientSampled :
 C0AP2

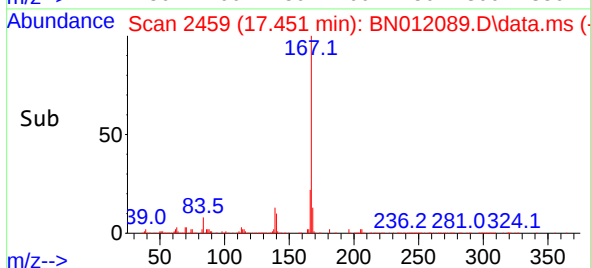
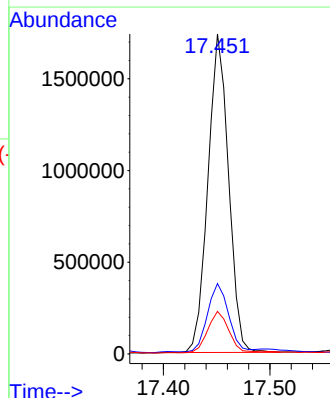
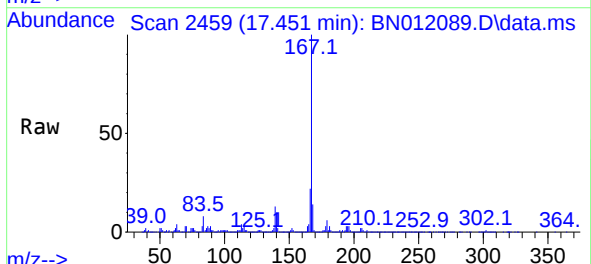
Manual Integrations
 APPROVED

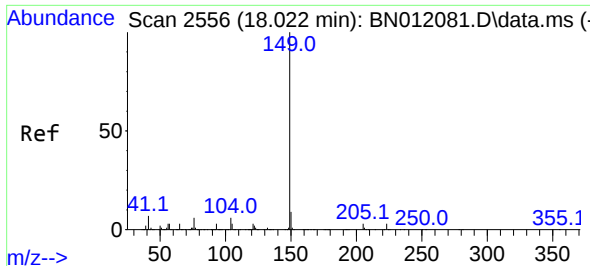
mohammad
 10/7/2020 10:37:16 AM



#75
 Carbazole
 Concen: 24.75 ng/ul
 RT: 17.451 min Scan# 2459
 Delta R.T. 0.000 min
 Lab File: BN012089.D
 Acq: 06 Oct 2020 13:40

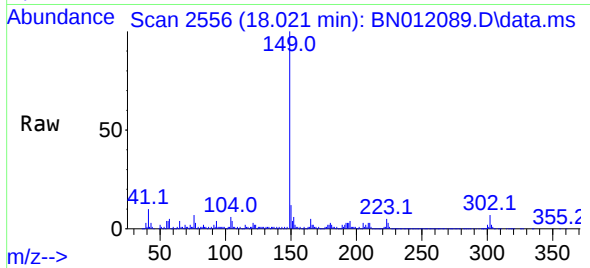
Tgt Ion:167 Resp: 2335324
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.4 26.0
 139 13.3 10.9 16.3





#76
Di-n-butylphthalate
Concen: 5.66 ng/ul
RT: 18.021 min Scan# 2556
Delta R.T. 0.000 min
Lab File: BN012089.D
Acq: 06 Oct 2020 13:40

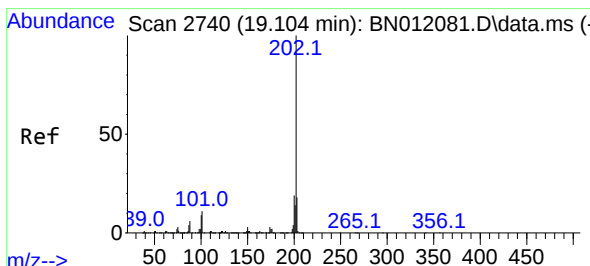
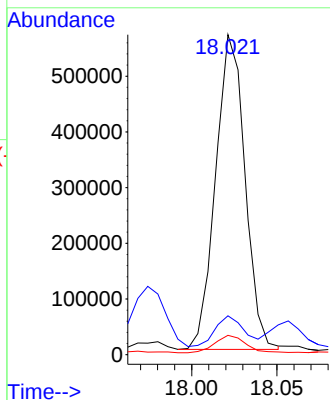
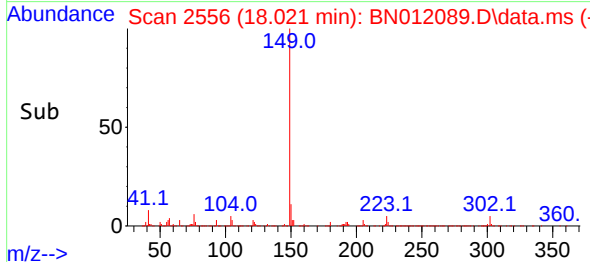
Instrument :
BNA_N
ClientSampled :
C0AP2



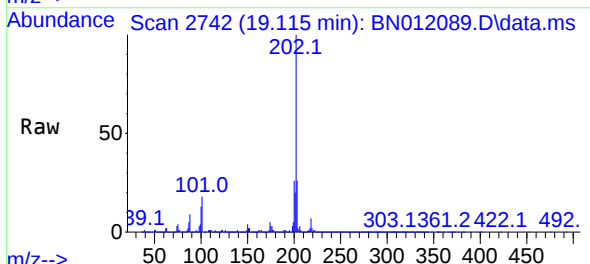
Tgt Ion:149 Resp: 678195
Ion Ratio Lower Upper
149 100
150 12.2 7.0 10.6#
104 6.1 4.3 6.5

Manual Integrations
APPROVED

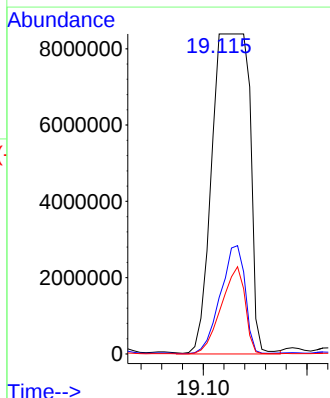
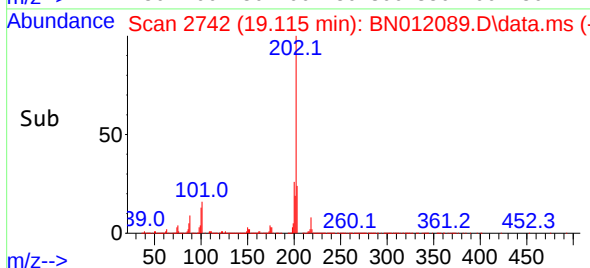
mohammad
10/7/2020 10:37:16 AM

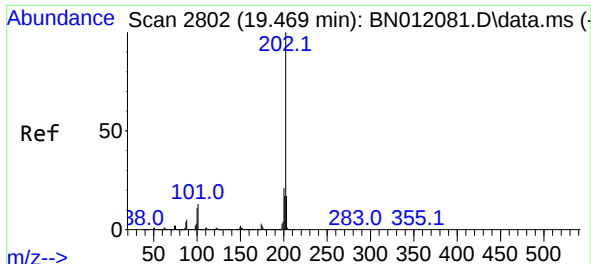


#77
Fluoranthene
Concen: 174.72 ng/ul m
RT: 19.115 min Scan# 2742
Delta R.T. 0.006 min
Lab File: BN012089.D
Acq: 06 Oct 2020 13:40



Tgt Ion:202 Resp:21115197
Ion Ratio Lower Upper
202 100
101 17.7 8.6 13.0#
100 13.1 6.6 9.8#





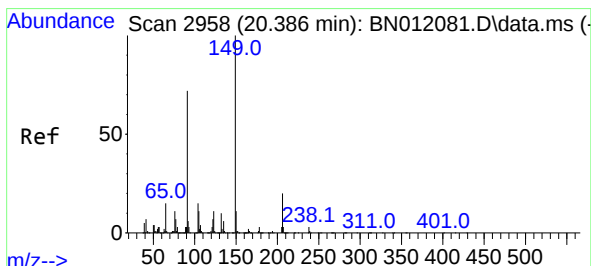
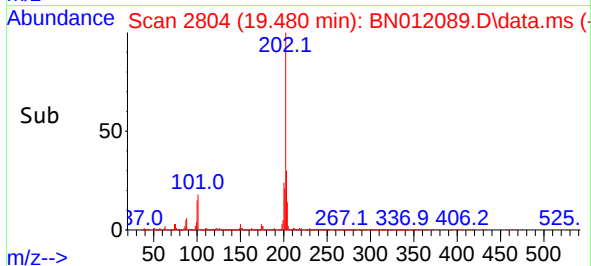
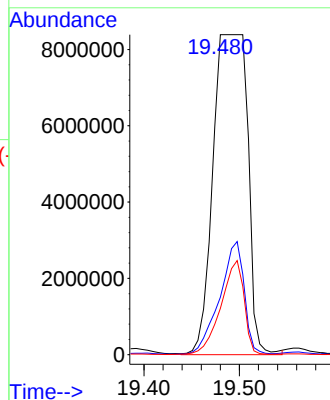
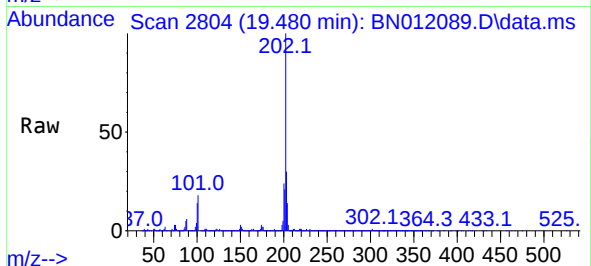
#80
Pyrene
Concen: 170.63 ng/ul m
RT: 19.480 min Scan# 2804
Delta R.T. 0.006 min
Lab File: BN012089.D
Acq: 06 Oct 2020 13:40

Tgt Ion:202 Resp:21174238
Ion Ratio Lower Upper
202 100
101 18.0 10.2 15.2#
100 14.4 8.8 13.2#

Instrument :
BNA_N
ClientSampleId :
C0AP2

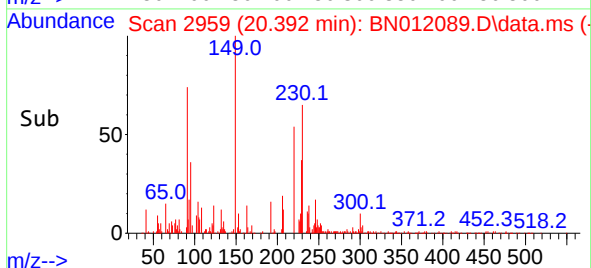
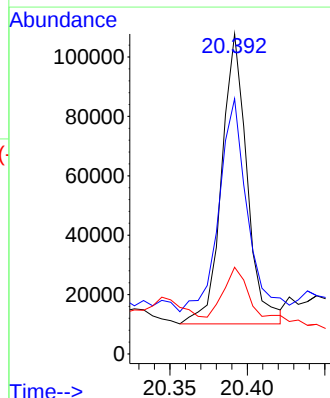
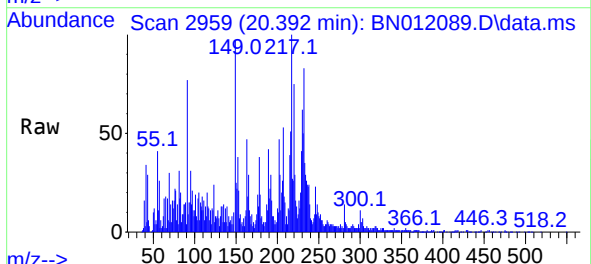
Manual Integrations
APPROVED

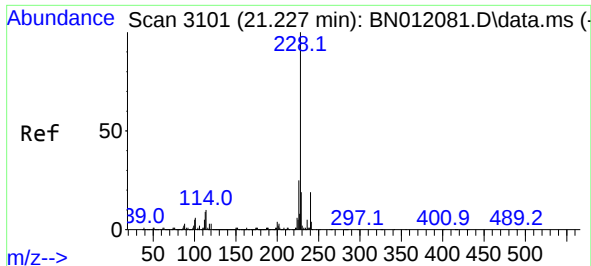
mohammad
10/7/2020 10:37:16 AM



#81
Butylbenzylphthalate
Concen: 2.18 ng/ul
RT: 20.392 min Scan# 2959
Delta R.T. 0.006 min
Lab File: BN012089.D
Acq: 06 Oct 2020 13:40

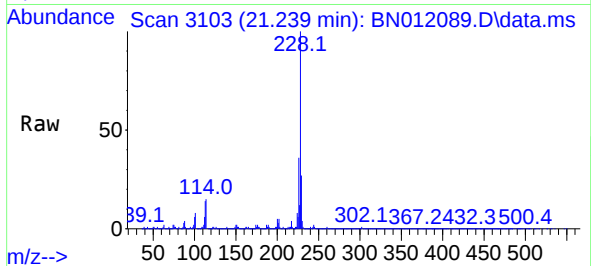
Tgt Ion:149 Resp: 111256
Ion Ratio Lower Upper
149 100
91 79.7 62.0 93.0
206 27.1 15.4 23.0#





#83
Benzo(a)anthracene
Concen: 140.04 ng/ul
RT: 21.239 min Scan# 3103
Delta R.T. 0.012 min
Lab File: BN012089.D
Acq: 06 Oct 2020 13:40

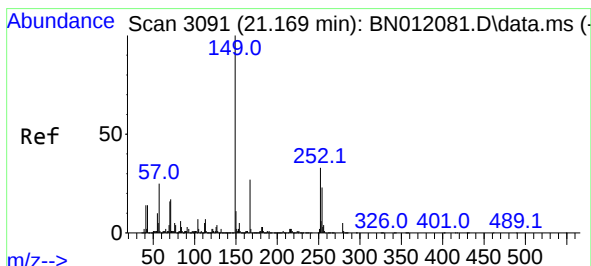
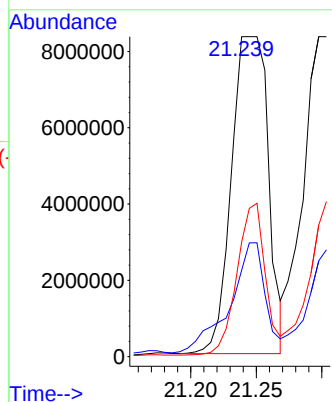
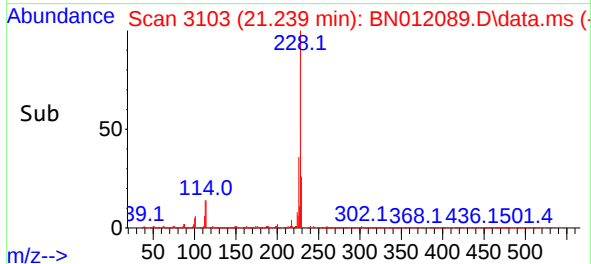
Instrument :
BNA_N
ClientSampled :
C0AP2



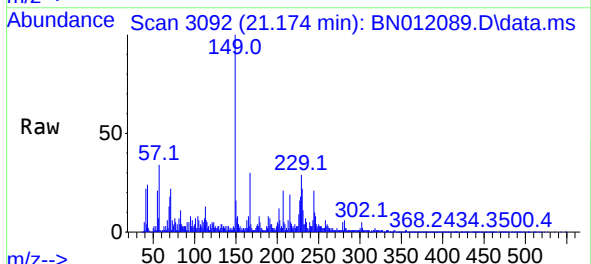
Tgt Ion:228 Resp:16230314
Ion Ratio Lower Upper
228 100
229 27.0 15.4 23.2#
226 35.8 21.2 31.8#

Manual Integrations
APPROVED

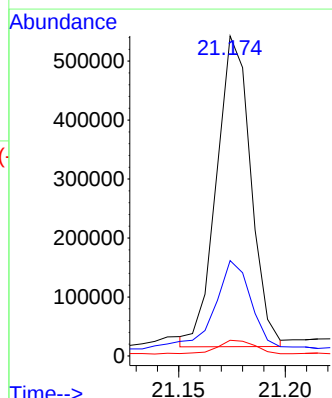
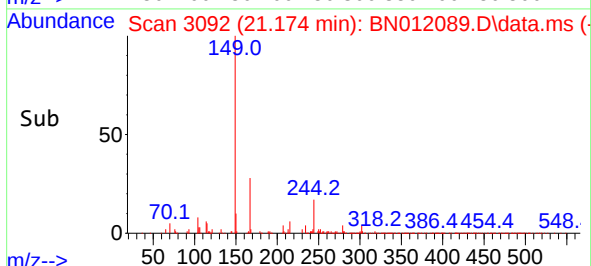
mohammad
10/7/2020 10:37:16 AM

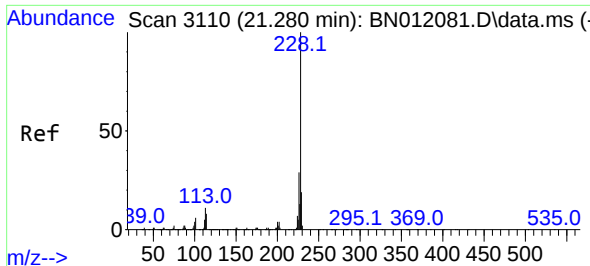


#84
Bis(2-ethylhexyl)phthalate
Concen: 7.53 ng/ul
RT: 21.174 min Scan# 3092
Delta R.T. 0.000 min
Lab File: BN012089.D
Acq: 06 Oct 2020 13:40



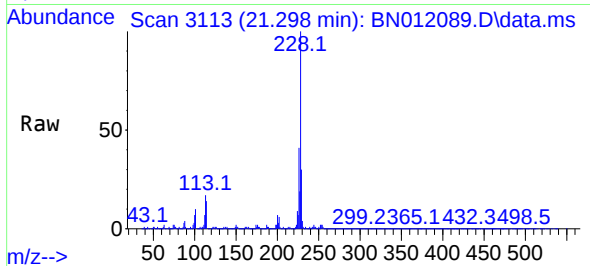
Tgt Ion:149 Resp: 589750
Ion Ratio Lower Upper
149 100
167 29.8 22.0 33.0
279 4.9 3.6 5.4





#85
Chrysene
Concen: 130.72 ng/ul
RT: 21.298 min Scan# 3113
Delta R.T. 0.018 min
Lab File: BN012089.D
Acq: 06 Oct 2020 13:40

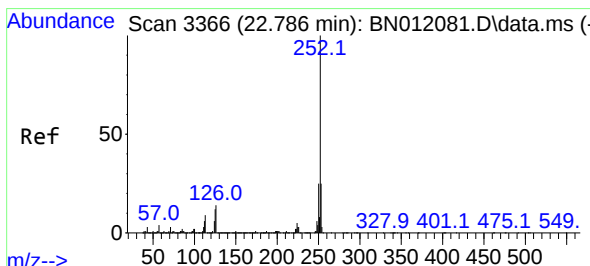
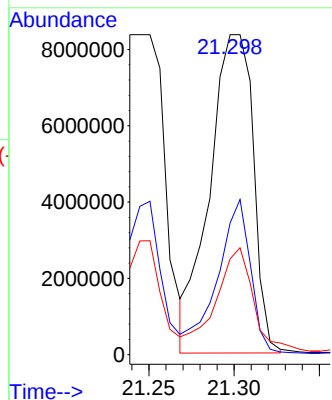
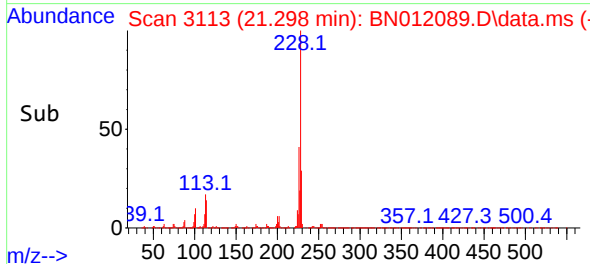
Instrument :
BNA_N
ClientSampled :
C0AP2



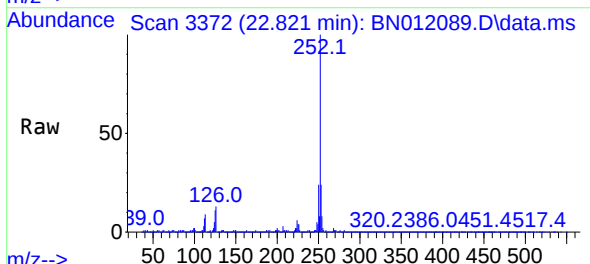
Tgt Ion:228 Resp:14893920
Ion Ratio Lower Upper
228 100
226 41.2 23.3 34.9#
229 29.9 15.0 22.4#

Manual Integrations
APPROVED

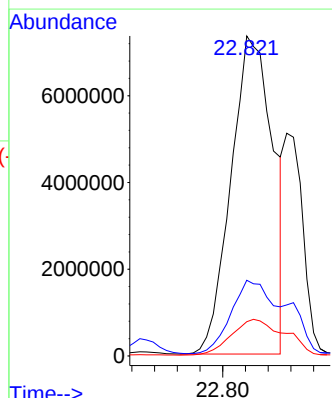
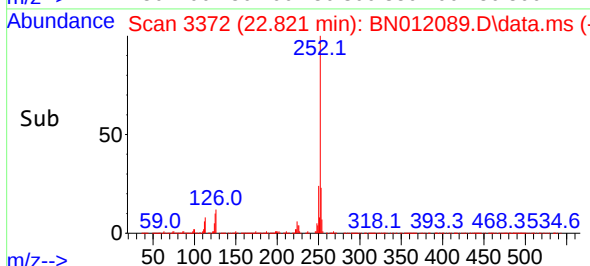
mohammad
10/7/2020 10:37:16 AM

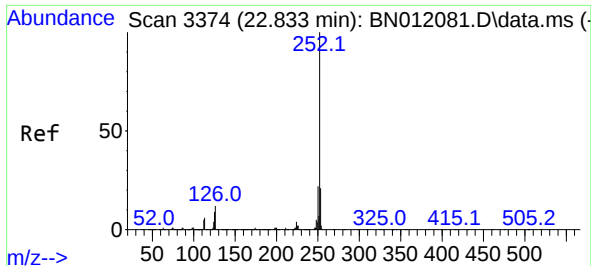


#88
Benzo(b)fluoranthene
Concen: 134.78 ng/ul
RT: 22.821 min Scan# 3372
Delta R.T. 0.029 min
Lab File: BN012089.D
Acq: 06 Oct 2020 13:40



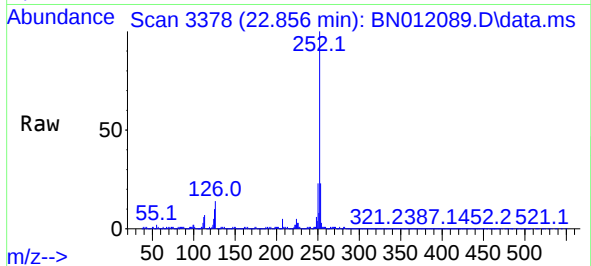
Tgt Ion:252 Resp:18799076
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 10.7 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 43.09 ng/ul m
RT: 22.856 min Scan# 3378
Delta R.T. 0.018 min
Lab File: BN012089.D
Acq: 06 Oct 2020 13:40

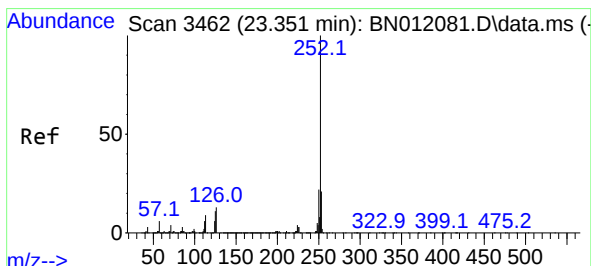
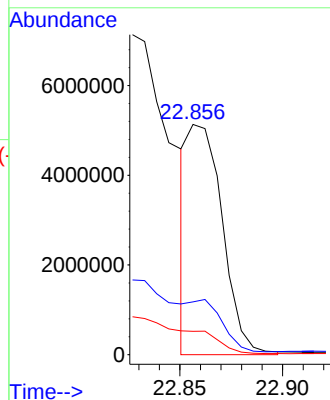
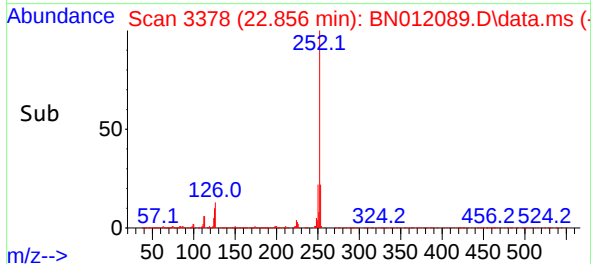
Instrument :
BNA_N
ClientSampled :
C0AP2



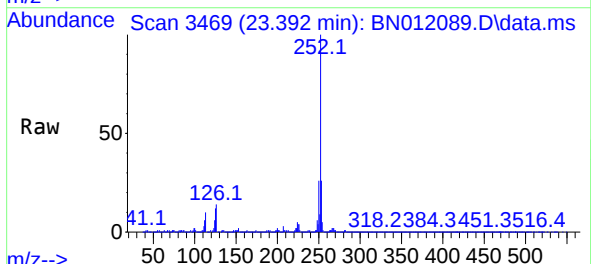
Tgt Ion:252 Resp: 5919786
Ion Ratio Lower Upper
252 100
253 22.9 18.1 27.1
125 10.2 7.7 11.5

Manual Integrations
APPROVED

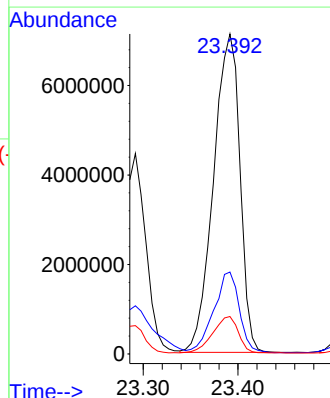
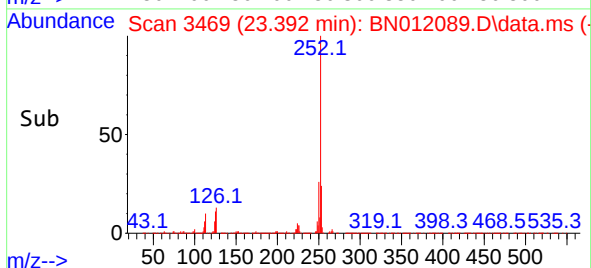
mohammad
10/7/2020 10:37:16 AM

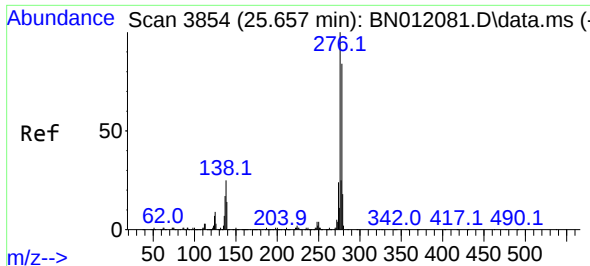


#91
Benzo(a)pyrene
Concen: 109.10 ng/ul
RT: 23.392 min Scan# 3469
Delta R.T. 0.035 min
Lab File: BN012089.D
Acq: 06 Oct 2020 13:40



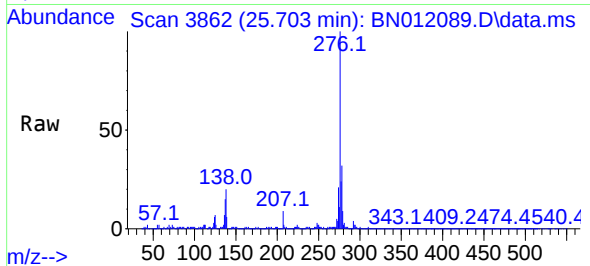
Tgt Ion:252 Resp:13804061
Ion Ratio Lower Upper
252 100
253 25.6 16.6 24.8#
125 11.7 9.0 13.6





#92
Indeno(1,2,3-cd)pyrene
Concen: 50.24 ng/ul
RT: 25.703 min Scan# 3862
Delta R.T. 0.047 min
Lab File: BN012089.D
Acq: 06 Oct 2020 13:40

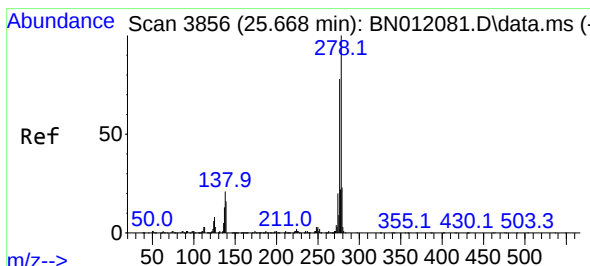
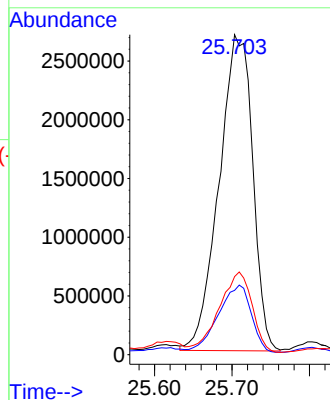
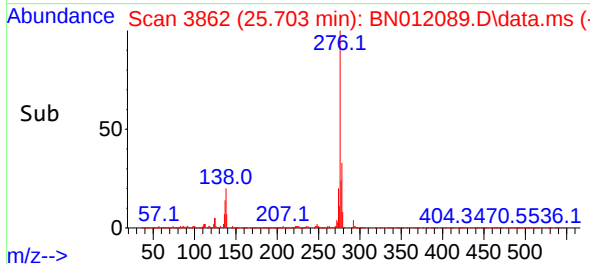
Instrument :
BNA_N
ClientSampled :
C0AP2



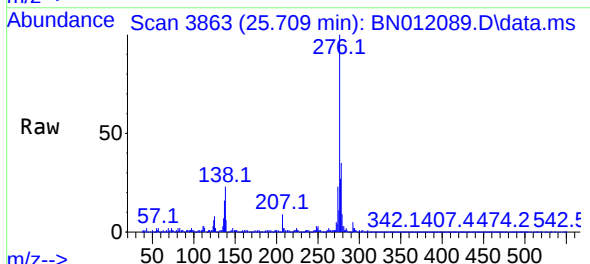
Tgt Ion:276 Resp: 8117542
Ion Ratio Lower Upper
276 100
138 20.1 17.4 26.2
277 24.4 19.0 28.4

Manual Integrations
APPROVED

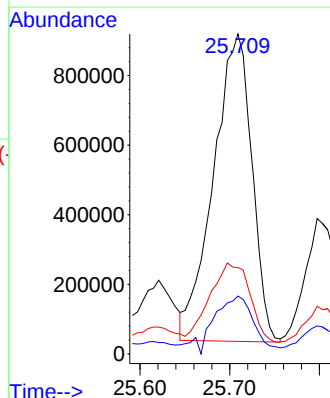
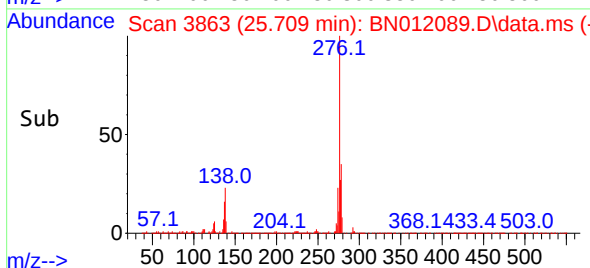
mohammad
10/7/2020 10:37:16 AM

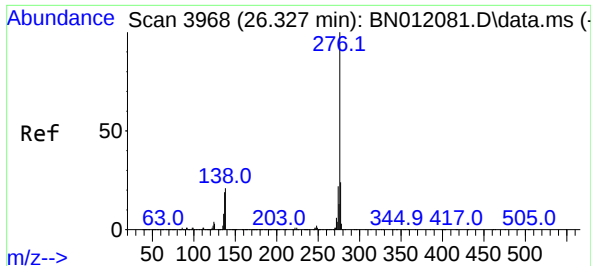


#93
Dibenzo(a,h)anthracene
Concen: 19.73 ng/ul
RT: 25.709 min Scan# 3863
Delta R.T. 0.035 min
Lab File: BN012089.D
Acq: 06 Oct 2020 13:40



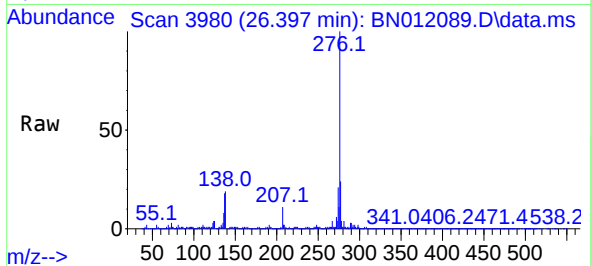
Tgt Ion:278 Resp: 2626566
Ion Ratio Lower Upper
278 100
139 18.1 12.2 18.2
279 27.0 18.2 27.4





#94
Benzo(g,h,i)perylene
Concen: 46.77 ng/ul
RT: 26.397 min Scan# 3980
Delta R.T. 0.065 min
Lab File: BN012089.D
Acq: 06 Oct 2020 13:40

Instrument :
BNA_N
ClientSampleId :
C0AP2



Tgt Ion: 276 Resp: 6435933
Ion Ratio Lower Upper
276 100
138 19.0 16.7 25.1
277 24.1 19.0 28.6

Manual Integrations
APPROVED

mohammad
10/7/2020 10:37:16 AM

