

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042820\
 Data File : BN010626.D
 Acq On : 28 Apr 2020 16:24
 Operator : CG/JU
 Sample : L2330-14MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PA-TWP-2MSD

Manual Integrations
 APPROVED

mohammad
 4/30/2020 12:05:21 AM

Quant Time: Apr 28 16:56:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 28 11:13:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	2845	0.40	ng	0.00
7) Naphthalene-d8	10.34	136	12356	0.40	ng	0.00
13) Acenaphthene-d10	14.20	164	8144	0.40	ng	0.00
19) Phenanthrene-d10	16.95	188	19798	0.40	ng	0.00
27) Chrysene-d12	21.16	240	18808	0.40	ng	0.00
34) Perylene-d12	23.33	264	16712	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.23	112	1067	0.17	ng	0.00
5) Phenol-d6	6.78	99	837	0.10	ng	0.00
8) Nitrobenzene-d5	8.72	82	3249	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	11.93	152	7580	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.71	330	1541	0.40	ng	0.00
15) 2-Fluorobiphenyl	12.83	172	12503	0.42	ng	0.00
25) Fluoranthene-d10	18.99	212	20646	0.34	ng	0.00
29) Terphenyl-d14	19.61	244	20289	0.47	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.23	88	343	0.164	ng	# 70
3) n-Nitrosodimethylamine	3.55	42	253	0.186	ng	# 88
6) bis(2-Chloroethyl)ether	7.02	93	3737	0.530	ng	99
9) Naphthalene	10.39	128	15750	0.513	ng	99
10) Hexachlorobutadiene	10.68	225	2923	0.395	ng	# 100
12) 2-Methylnaphthalene	12.01	142	12034	0.546	ng	99
16) Acenaphthylene	13.92	152	16969	0.482	ng	99
17) Acenaphthene	14.27	154	11184	0.495	ng	98
18) Fluorene	15.26	166	15380	0.519	ng	99
20) 4-Bromophenyl-phenylether	16.16	248	5045	0.459	ng	# 81
21) Hexachlorobenzene	16.27	284	5457	0.435	ng	97
22) Pentachlorophenol	16.61	266	6305	1.277	ng	97
23) Phenanthrene	17.00	178	28864	0.540	ng	99
24) Anthracene	17.09	178	23977	0.491	ng	100
26) Fluoranthene	19.03	202	33298	0.500	ng	100
28) Pyrene	19.39	202	34217	0.540	ng	99
30) Benzo(a)anthracene	21.15	228	29759	0.485	ng	98
31) Chrysene	21.20	228	29396	0.481	ng	99
32) Bis(2-ethylhexyl)phthalate	21.11	149	17265	0.548	ng	98
33) Indeno(1,2,3-cd)pyrene	25.47	276	27477	0.508	ng	99
35) Benzo(b)fluoranthene	22.69	252	27695	0.503	ng	97
36) Benzo(k)fluoranthene	22.74	252	27486m	0.499	ng	
37) Benzo(a)pyrene	23.24	252	23895	0.491	ng	98
38) Dibenzo(a,h)anthracene	25.48	278	22775	0.511	ng	95
39) Benzo(g,h,i)perylene	26.12	276	23264	0.519	ng	98

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

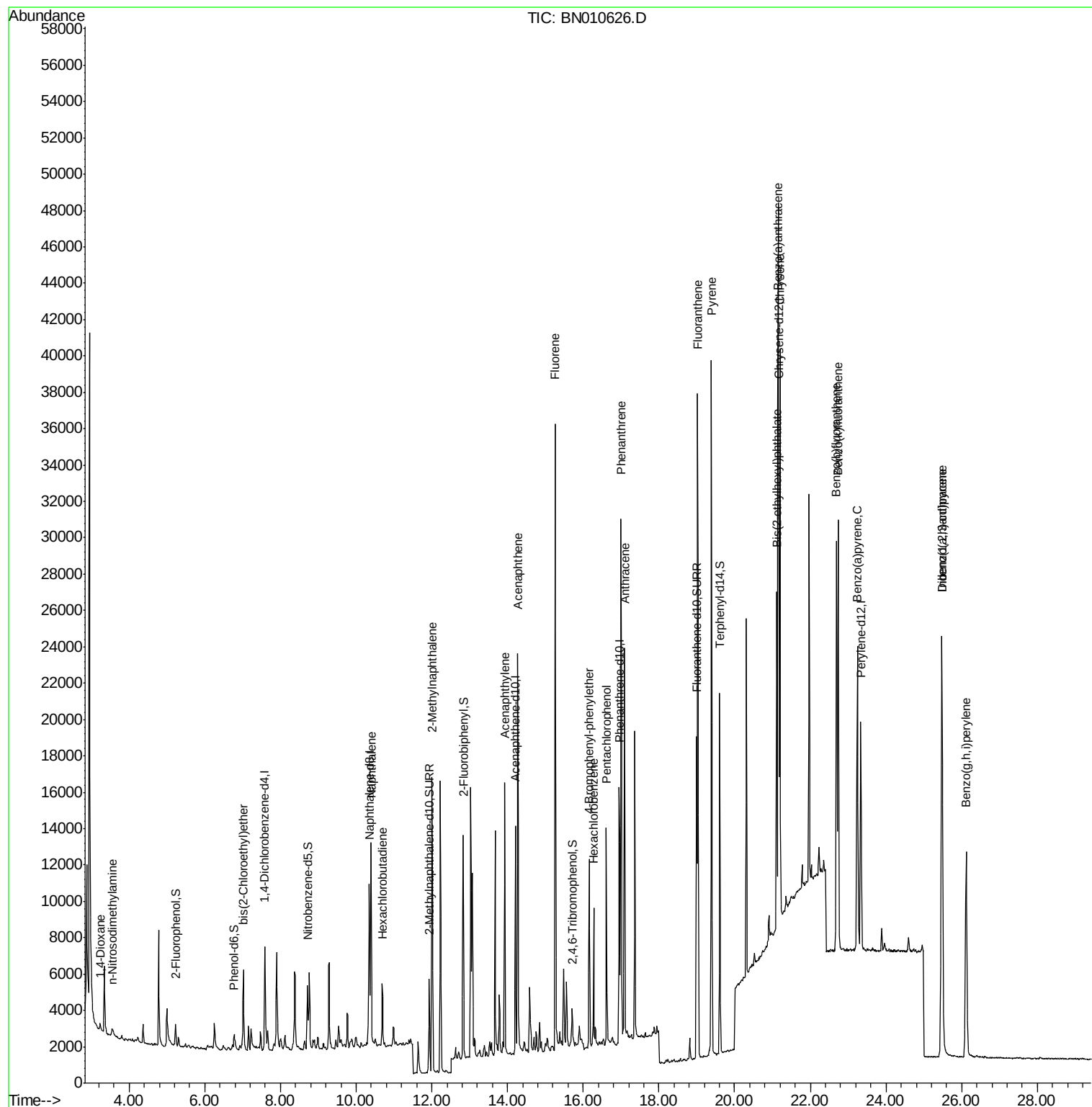
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042820\
Data File : BN010626.D
Acq On : 28 Apr 2020 16:24
Operator : CG/JU
Sample : L2330-14MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

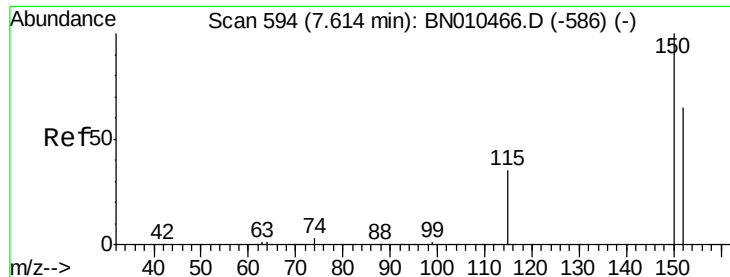
Instrument :
BNA_N
ClientSampleId :
PA-TWP-2MSD

Manual Integrations
APPROVED

mohammad
4/30/2020 12:05:21 AM

Quant Time: Apr 28 16:56:44 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 28 11:13:37 2020
Response via : Initial Calibration





#1

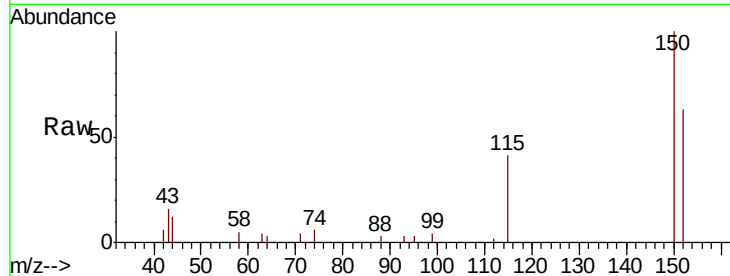
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.58 min Scan# 590
Delta R.T. -0.01 min
Lab File: BN010626.D
Acq: 28 Apr 2020 16:24

Instrument :
BNA_N
ClientSampleId :
PA-TWP-2MSD

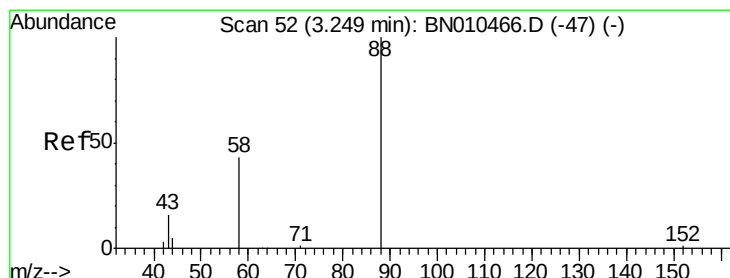
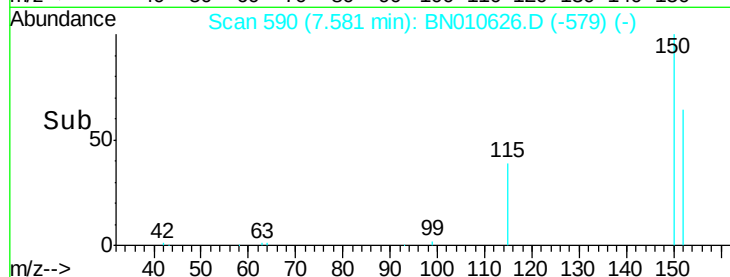
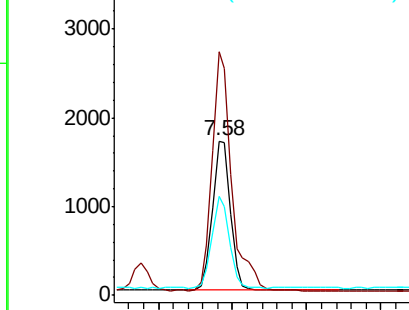
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	121.8	182.6
115	64.0	45.5	68.3

Manual Integrations
APPROVED

mohammad
4/30/2020 12:05:21 AM



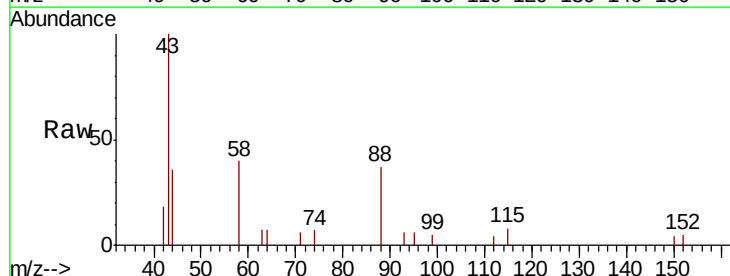
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



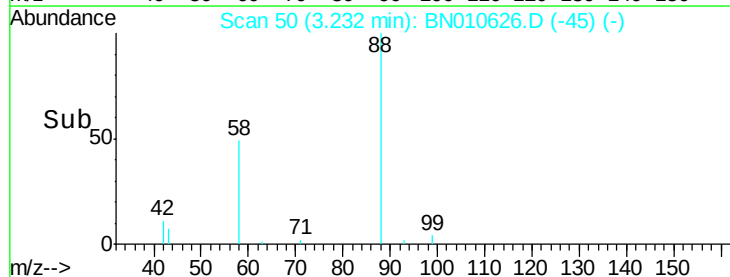
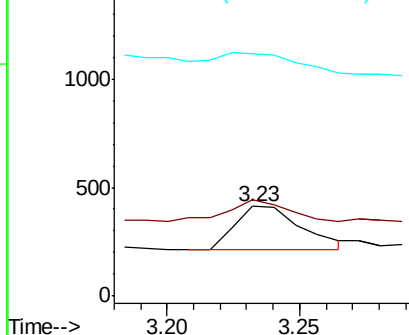
#2

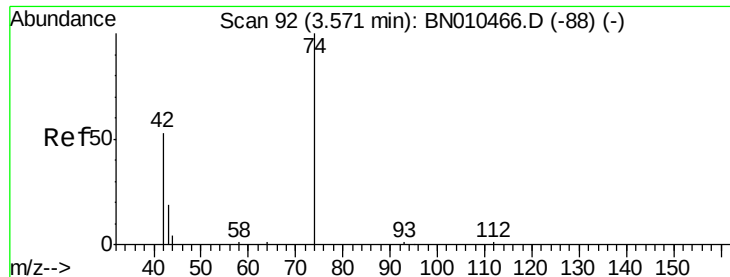
1,4-Dioxane
Concen: 0.164 ng
RT: 3.23 min Scan# 50
Delta R.T. -0.01 min
Lab File: BN010626.D
Acq: 28 Apr 2020 16:24

Tgt Ion	Ratio	Lower	Upper
88	100		
58	46.1	36.5	54.7
43	64.1	13.2	19.8



Abundance Ion 88.00 (87.70 to 88.70): BNC
Ion 58.00 (57.70 to 58.70): BNC
Ion 43.00 (42.70 to 43.70): BNC





#3

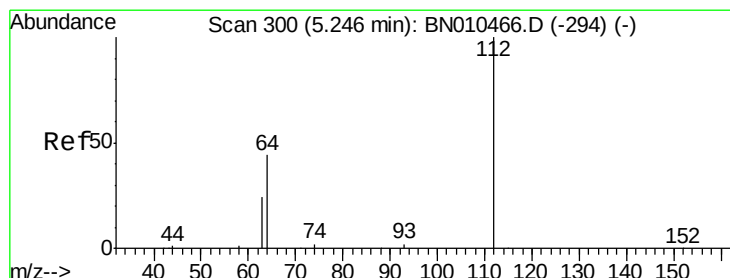
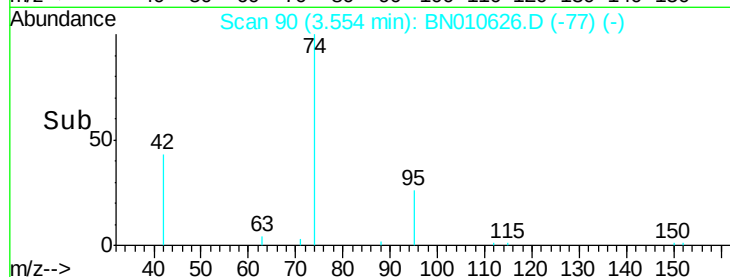
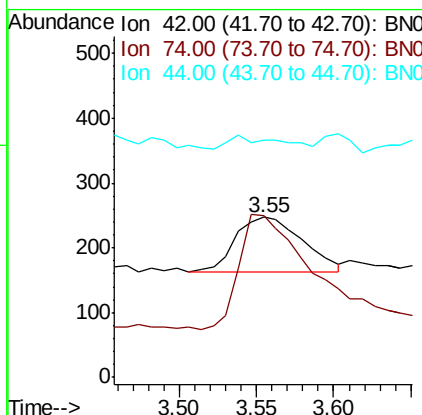
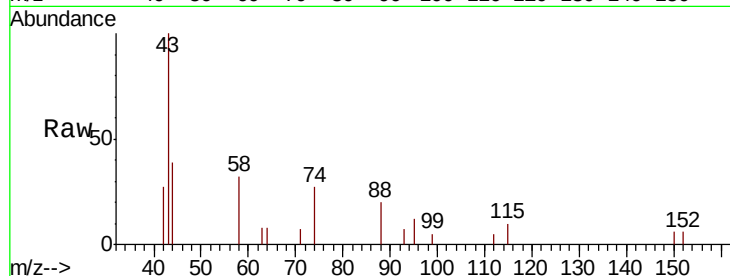
n-Nitrosodimethylamine
 Concen: 0.186 ng
 RT: 3.55 min Scan# 90
 Delta R.T. 0.01 min
 Lab File: BN010626.D
 Acq: 28 Apr 2020 16:24

Instrument :
 BNA_N
 ClientSampleId :
 PA-TWP-2MSD

Tot Ion	Ratio	Lower	Upper
42	100		
74	219.8	162.2	243.4
44	16.6	2.4	3.6#

Manual Integrations
 APPROVED

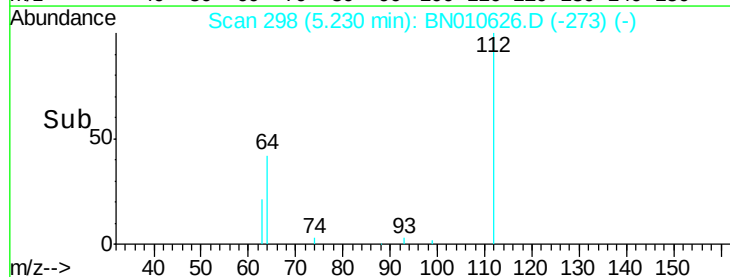
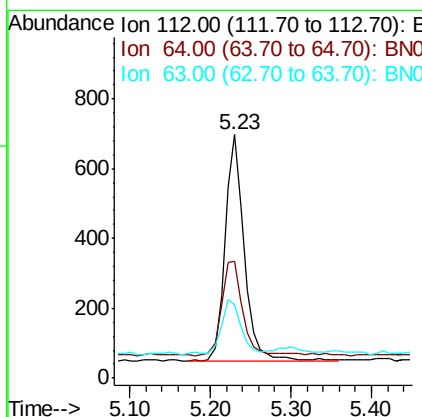
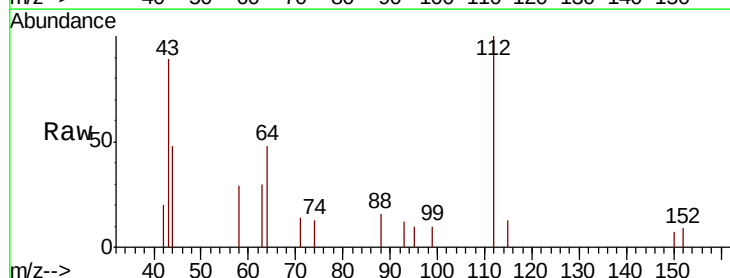
mohammad
 4/30/2020 12:05:21 AM

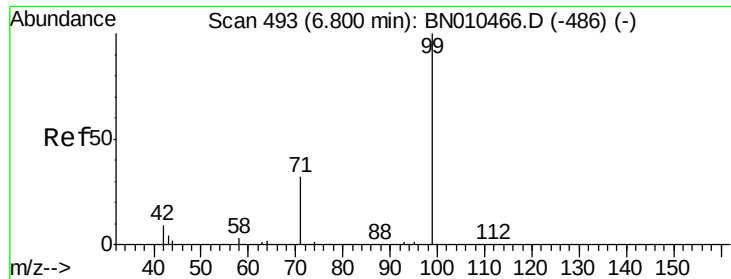


#4

2-Fluorophenol
 Concen: 0.171 ng
 RT: 5.23 min Scan# 298
 Delta R.T. -0.00 min
 Lab File: BN010626.D
 Acq: 28 Apr 2020 16:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.3	35.8	53.8
63	24.6	19.9	29.9





#5

Phenol-d6

Concen: 0.103 ng

RT: 6.78 min Scan# 490

Delta R.T. -0.01 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Instrument :

BNA_N

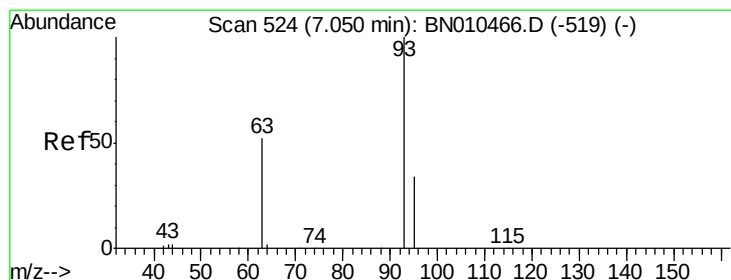
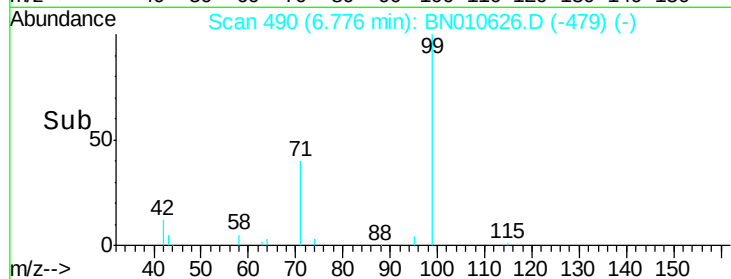
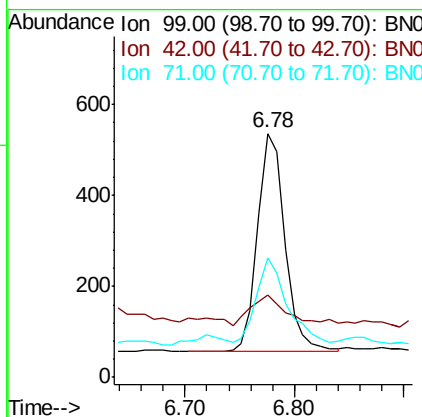
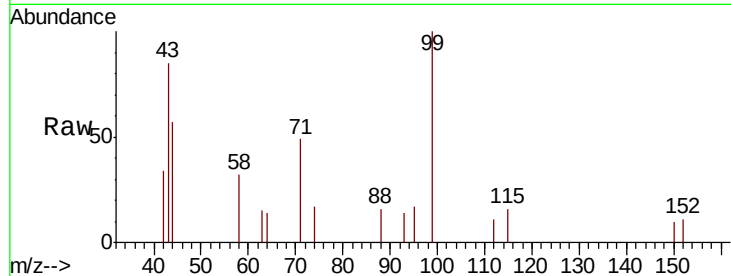
ClientSampleId :

PA-TWP-2MSD

Tot Ion:	99	Resp:	837
Ion	Ratio	Lower	Upper
99	100		
42	18.8	9.8	14.6#
71	41.9	27.8	41.8#

Manual Integrations
APPROVED

mohammad
4/30/2020 12:05:21 AM



#6

bis(2-Chloroethyl)ether

Concen: 0.530 ng

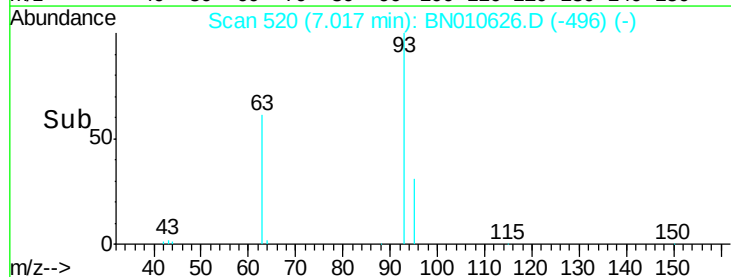
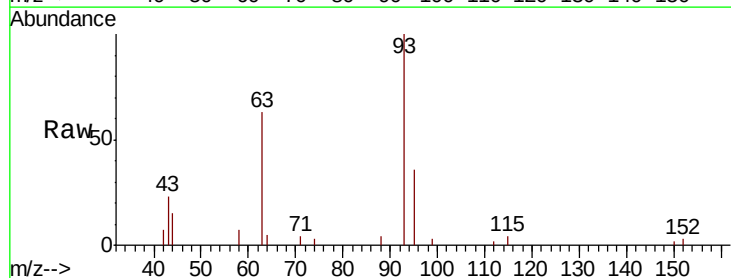
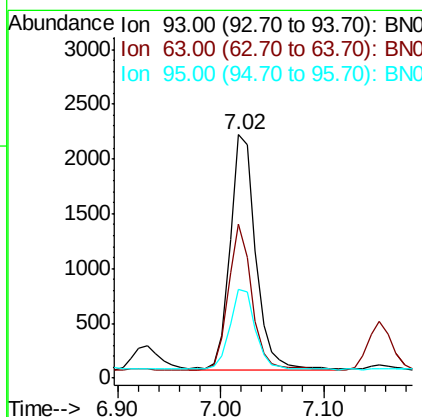
RT: 7.02 min Scan# 520

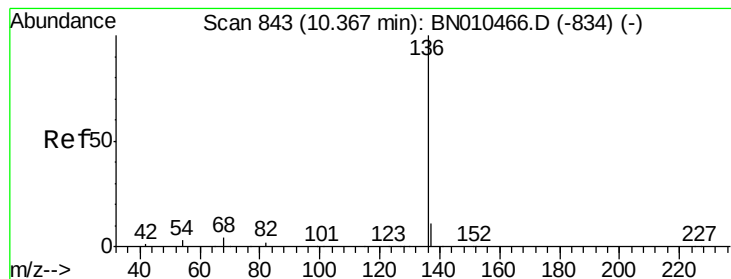
Delta R.T. -0.01 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Tgt Ion:	93	Resp:	3737
Ion	Ratio	Lower	Upper
93	100		
63	56.9	44.6	66.8
95	33.1	26.5	39.7





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.34 min Scan# 841

Delta R.T. -0.00 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Instrument :

BNA_N

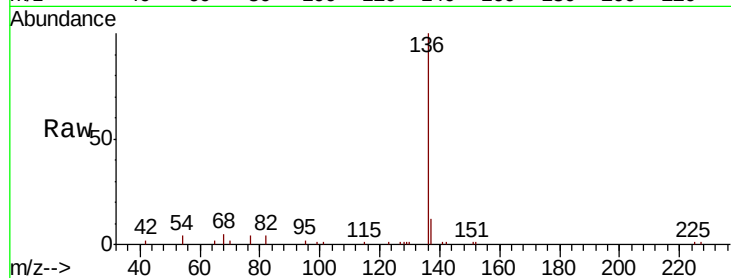
ClientSampleId :

PA-TWP-2MSD

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.9	13.3
54	3.7	2.6	4.0
68	4.7	3.4	5.2

Manual Integrations
APPROVED

mohammad
4/30/2020 12:05:21 AM

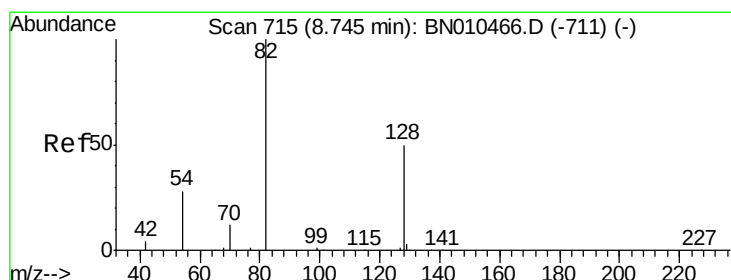
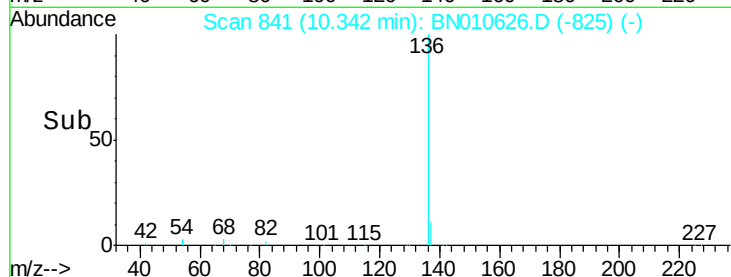
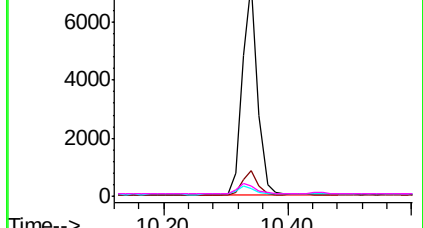


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.376 ng

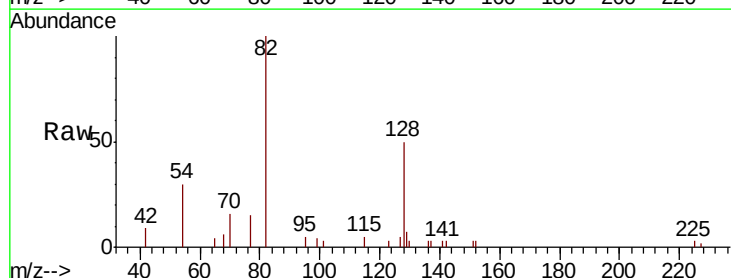
RT: 8.72 min Scan# 713

Delta R.T. -0.00 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

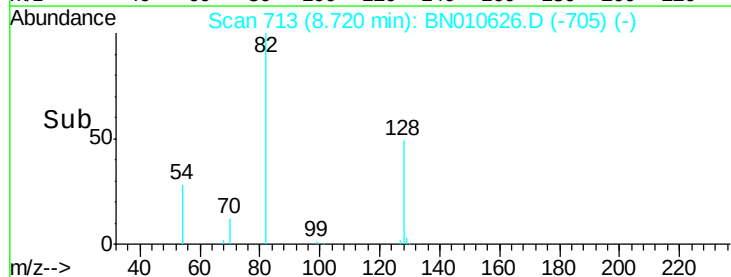
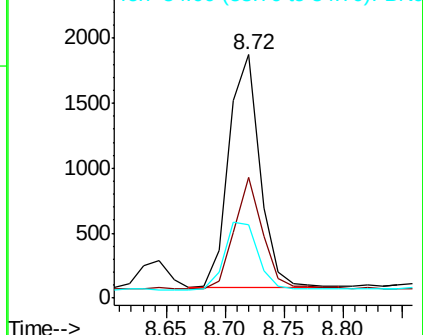
Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.8	41.3	61.9
54	30.0	23.4	35.0

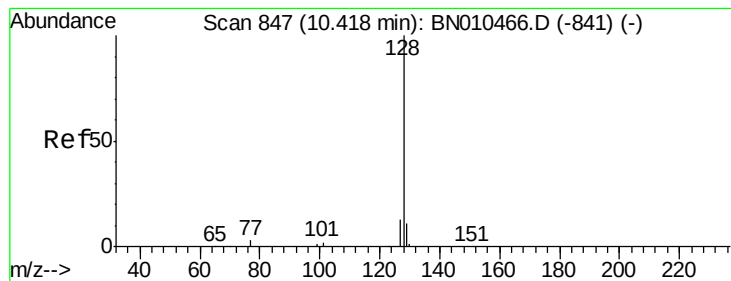


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.513 ng

RT: 10.39 min Scan# 845

Delta R.T. -0.00 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Instrument :

BNA_N

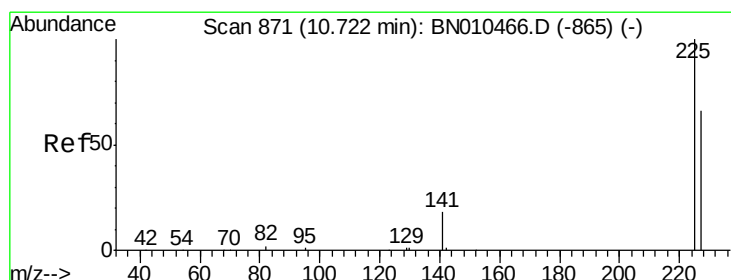
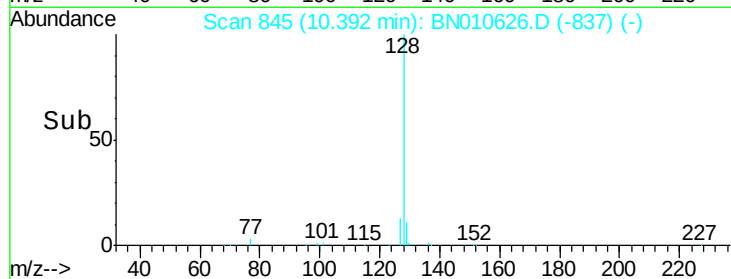
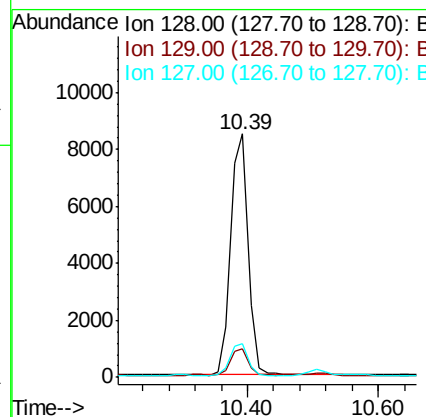
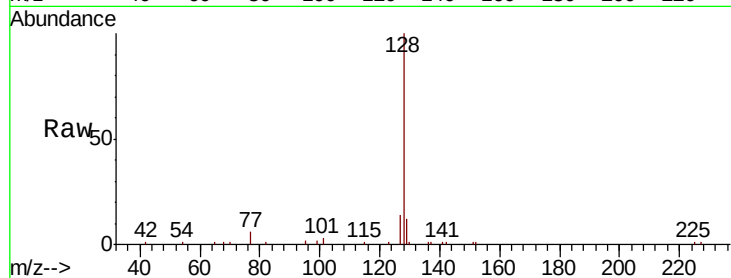
ClientSampleId :

PA-TWP-2MSD

Tot Ion:128	Resp:	15750
Ion Ratio	Lower	Upper
128	100	
129	11.6	9.3 13.9
127	13.8	10.5 15.7

Manual Integrations
APPROVED

mohammad
4/30/2020 12:05:21 AM



#10

Hexachlorobutadiene

Concen: 0.395 ng

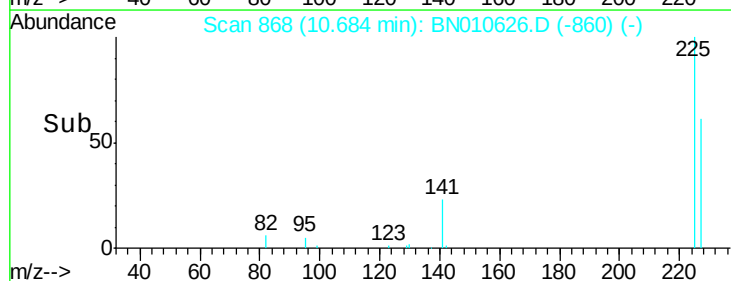
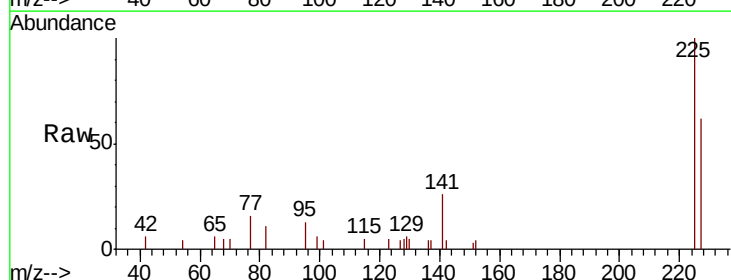
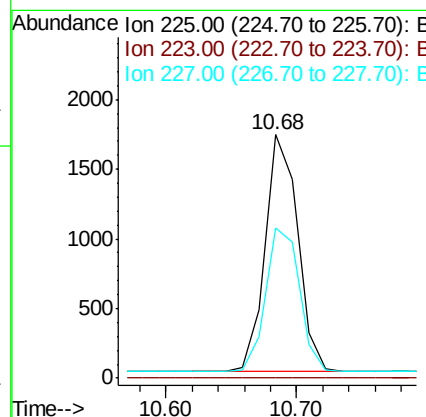
RT: 10.68 min Scan# 868

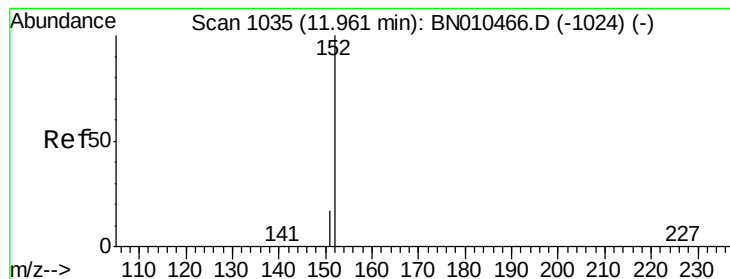
Delta R.T. -0.00 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Tgt Ion:225	Resp:	2923
Ion Ratio	Lower	Upper
225	100	
223	0.0	0.0 0.0
227	63.6	50.6 76.0





#11

2-Methylnaphthalene-d10

Concen: 0.373 ng

RT: 11.93 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Instrument :

BNA_N

ClientSampleId :

PA-TWP-2MSD

Tot Ion:152 Resp: 7580

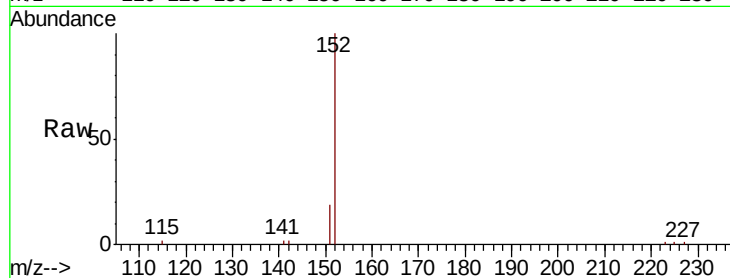
Ion Ratio Lower Upper

152 100

151 19.0 15.3 22.9

Manual Integrations
APPROVED

mohammad
4/30/2020 12:05:21 AM



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.93

5000

4000

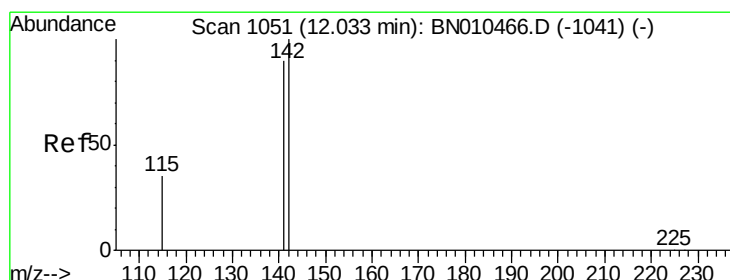
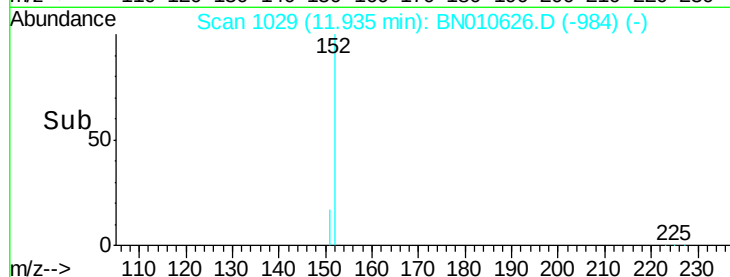
3000

2000

1000

0

Time--> 11.80 11.90 12.00



#12

2-Methylnaphthalene

Concen: 0.546 ng

RT: 12.01 min Scan# 1045

Delta R.T. -0.00 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

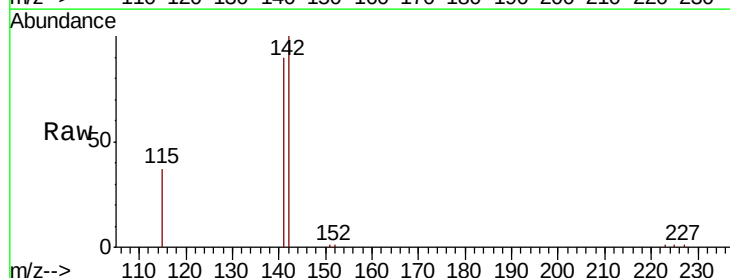
Tgt Ion:142 Resp: 12034

Ion Ratio Lower Upper

142 100

141 90.2 71.9 107.9

115 37.4 28.8 43.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.01

10000

8000

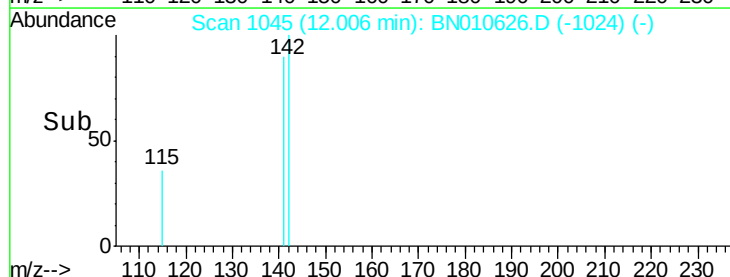
6000

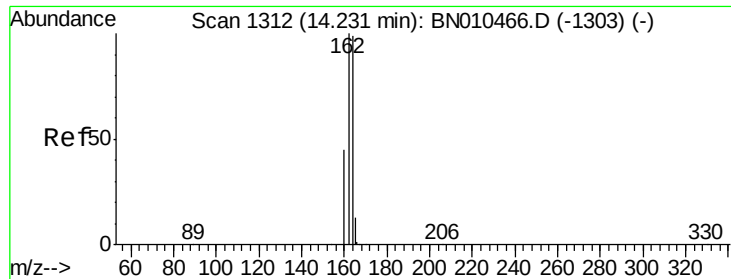
4000

2000

0

Time--> 11.90 12.00 12.10





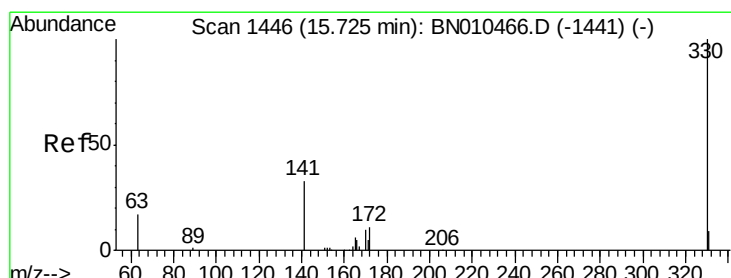
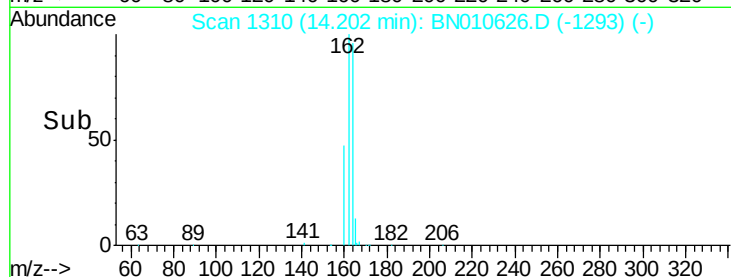
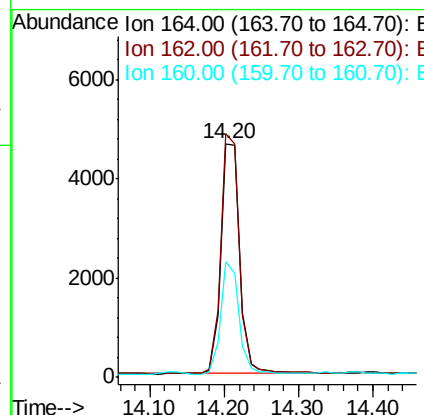
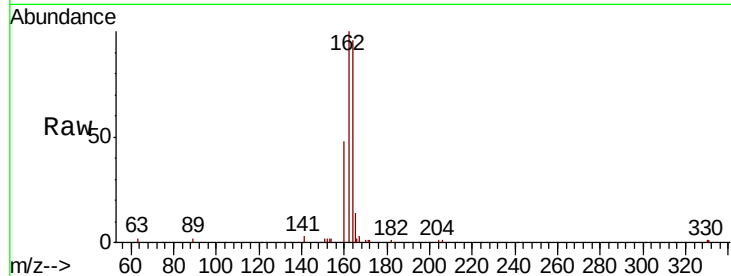
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.20 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BN010626.D
Acq: 28 Apr 2020 16:24

Instrument :
BNA_N
ClientSampleId :
PA-TWP-2MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.3	80.6	121.0
160	49.8	36.5	54.7

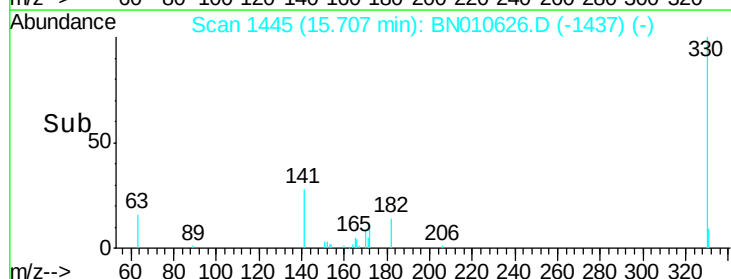
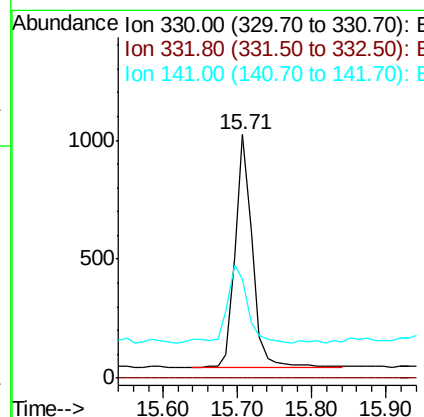
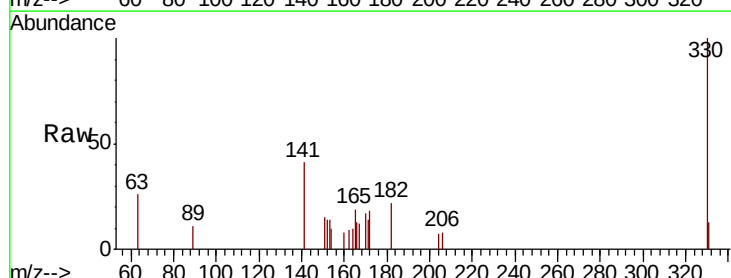
Manual Integrations
APPROVED

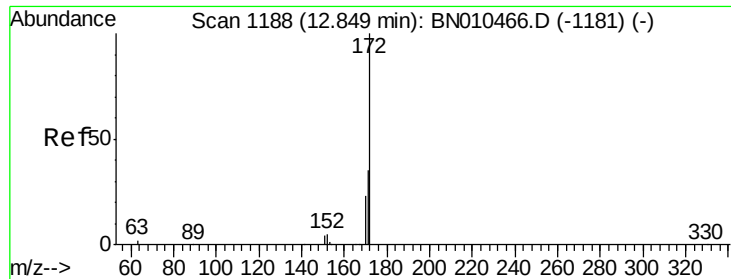
mohammad
4/30/2020 12:05:21 AM



#14
2,4,6-Tribromophenol
Concen: 0.401 ng
RT: 15.71 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BN010626.D
Acq: 28 Apr 2020 16:24

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	39.5	28.1	42.1





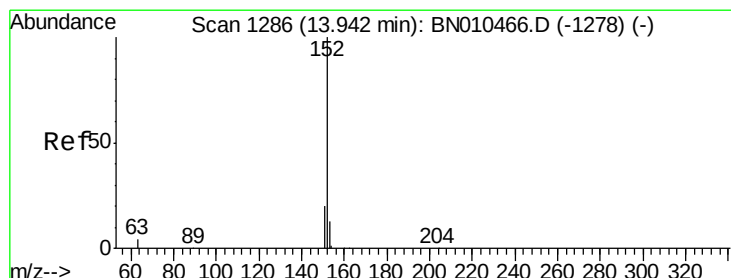
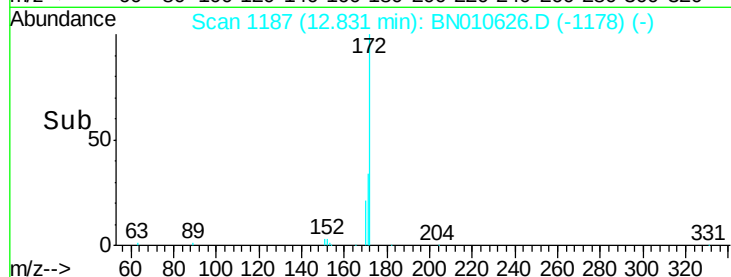
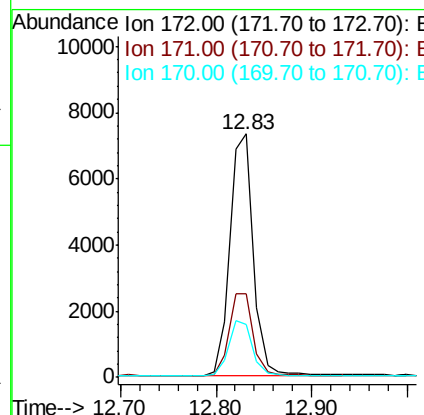
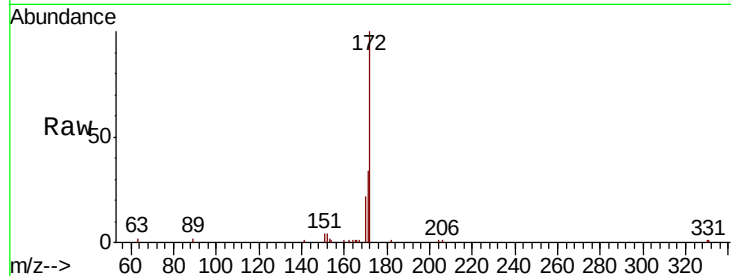
#15
2-Fluorobiphenyl
Concen: 0.422 ng
RT: 12.83 min Scan# 1187
Delta R.T. 0.00 min
Lab File: BN010626.D
Acq: 28 Apr 2020 16:24

Instrument :
BNA_N
ClientSampleId :
PA-TWP-2MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.2	42.2
170	21.7	18.4	27.6

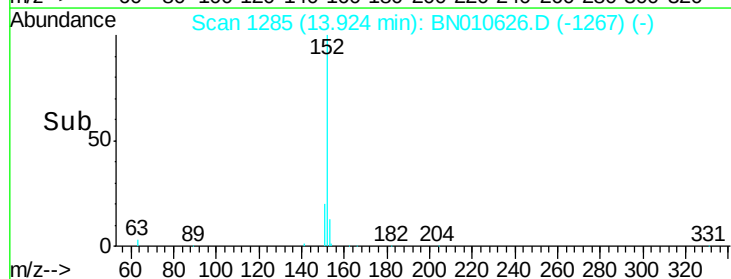
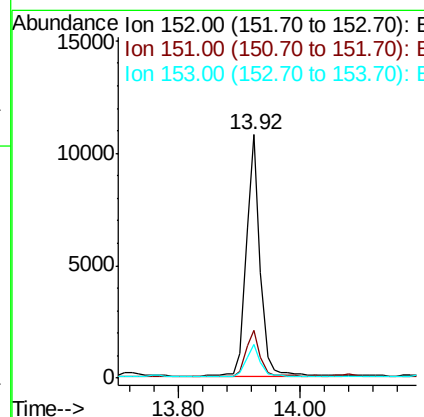
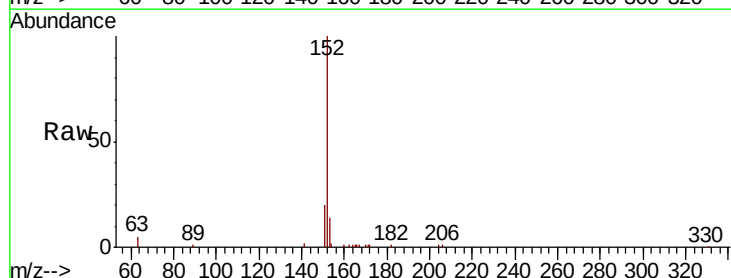
Manual Integrations
APPROVED

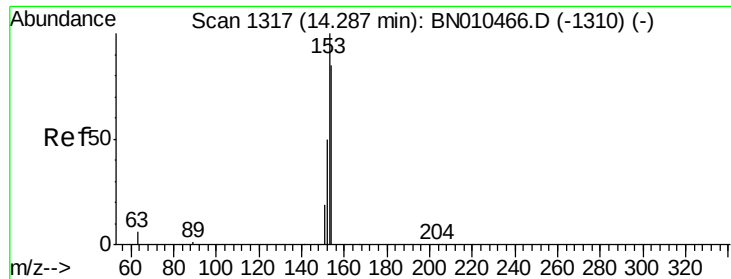
mohammad
4/30/2020 12:05:21 AM



#16
Acenaphthylene
Concen: 0.482 ng
RT: 13.92 min Scan# 1285
Delta R.T. 0.00 min
Lab File: BN010626.D
Acq: 28 Apr 2020 16:24

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.7	23.5
153	13.0	10.6	15.8





#17

Acenaphthene

Concen: 0.495 ng

RT: 14.27 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Instrument :

BNA_N

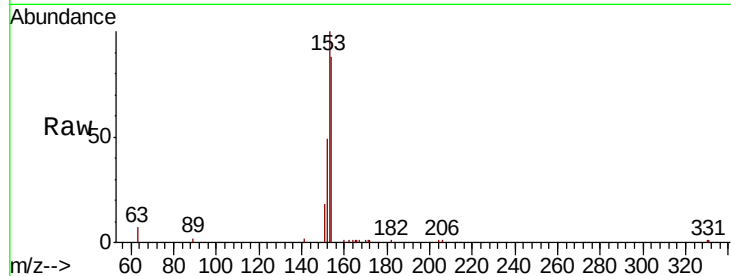
ClientSampleId :

PA-TWP-2MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.3	91.0	136.4
152	54.5	44.6	67.0

Manual Integrations
APPROVED

mohammad
4/30/2020 12:05:21 AM

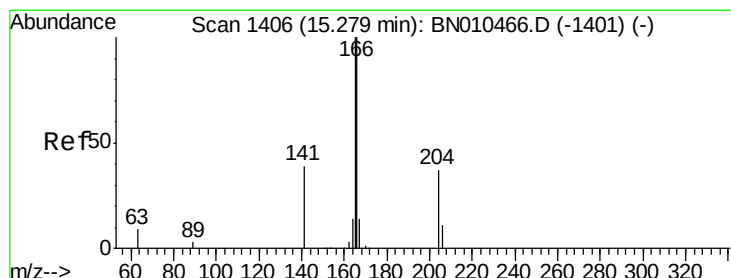
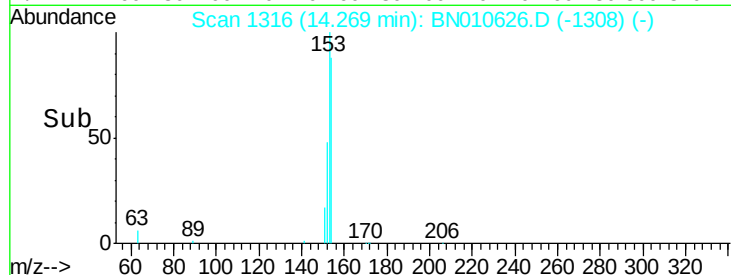
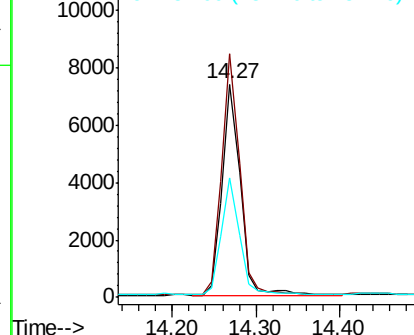


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.519 ng

RT: 15.26 min Scan# 1405

Delta R.T. -0.01 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

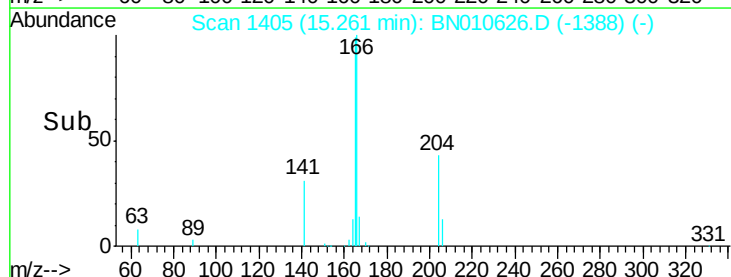
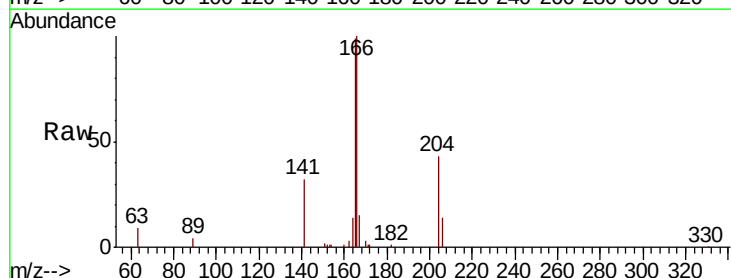
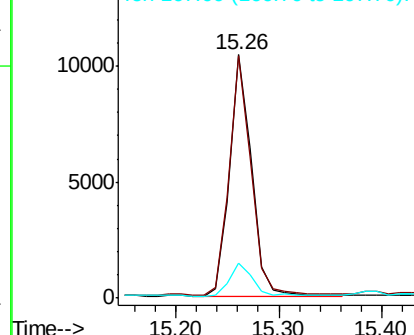
Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.8	78.4	117.6
167	14.7	10.9	16.3

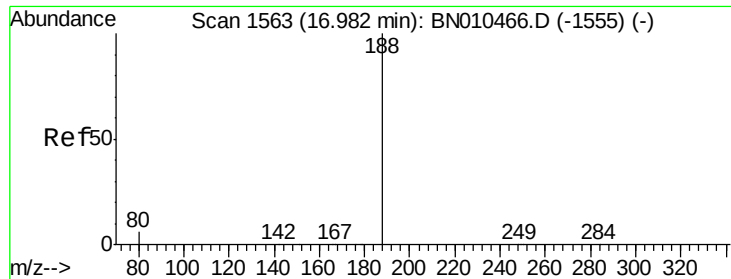
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.95 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Instrument :

BNA_N

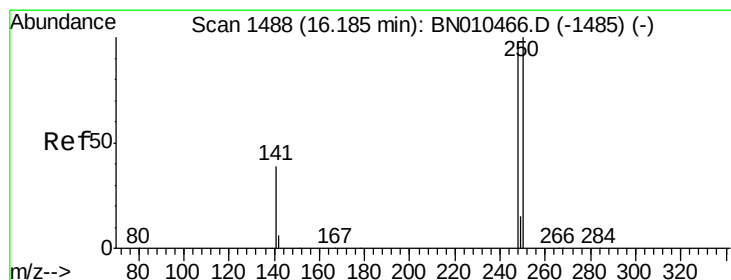
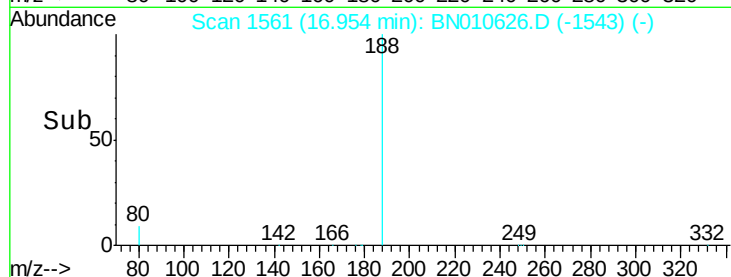
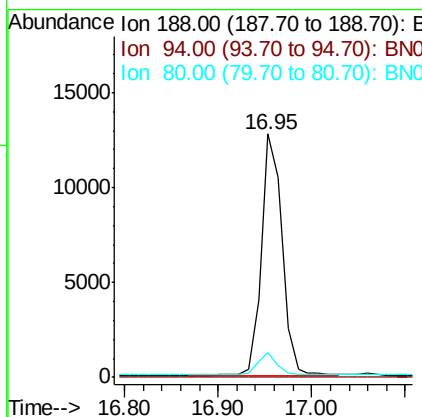
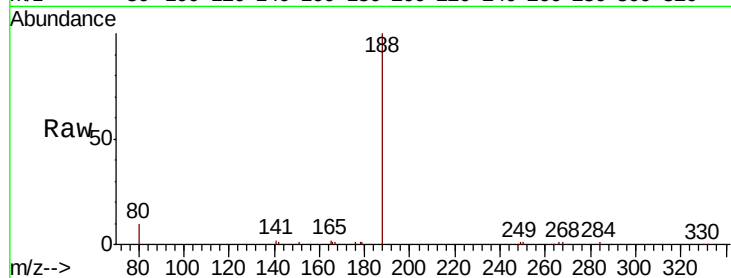
ClientSampleId :

PA-TWP-2MSD

Tot Ion:	188	Resp:	19798
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.3	5.0	7.6#

Manual Integrations
APPROVED

mohammad
4/30/2020 12:05:21 AM



#20

4-Bromophenyl-phenylether

Concen: 0.459 ng

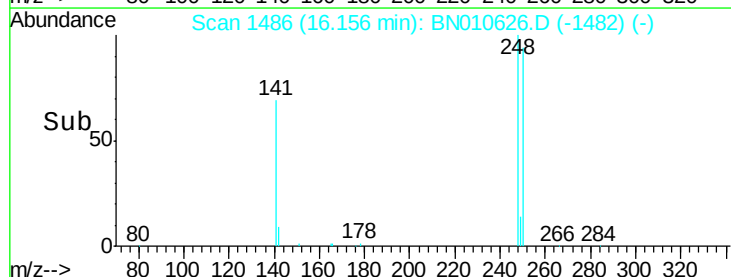
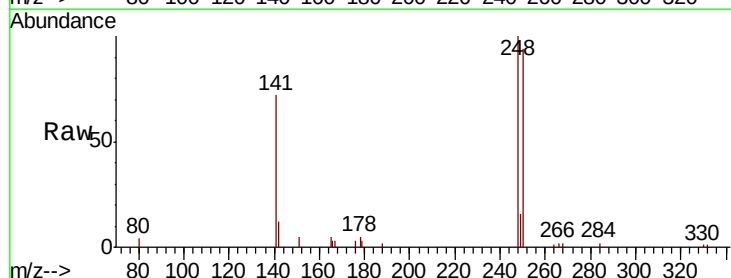
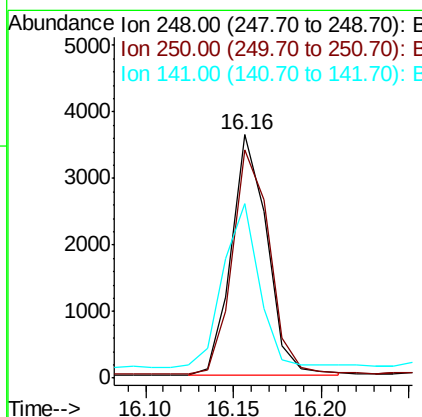
RT: 16.16 min Scan# 1486

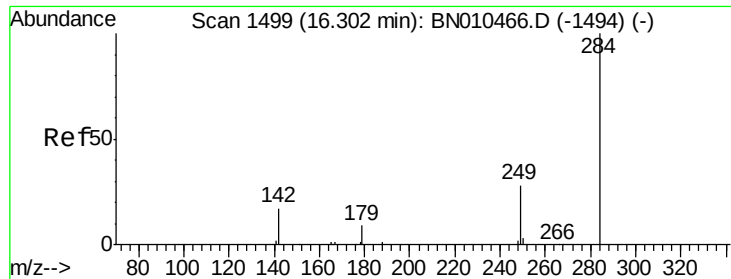
Delta R.T. -0.01 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Tgt Ion:	248	Resp:	5045
Ion Ratio	Lower	Upper	
248	100		
250	93.8	82.3	123.5
141	71.9	35.2	52.8#





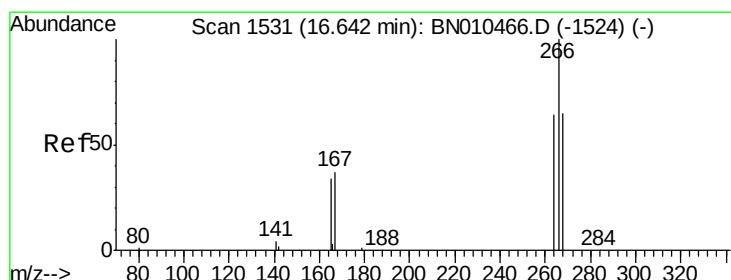
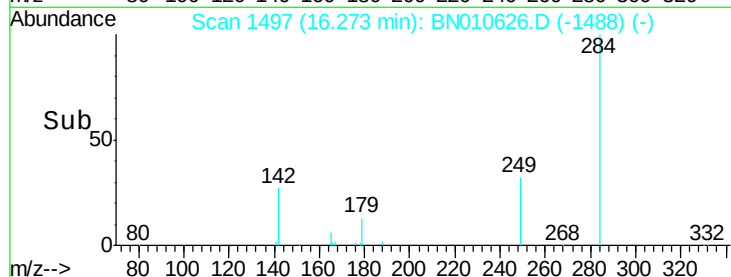
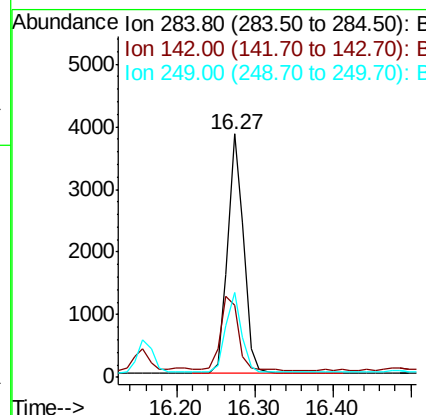
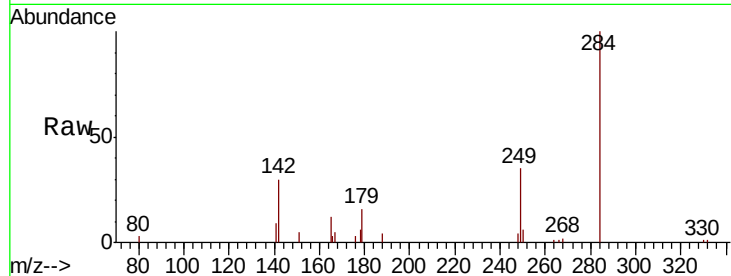
#21
Hexachlorobenzene
Concen: 0.435 ng
RT: 16.27 min Scan# 1497
Delta R.T. -0.01 min
Lab File: BN010626.D
Acq: 28 Apr 2020 16:24

Instrument :
BNA_N
ClientSampleId :
PA-TWP-2MSD

Tot Ion	Ratio	Lower	Upper
284	100		
142	34.8	25.5	38.3
249	32.8	25.8	38.6

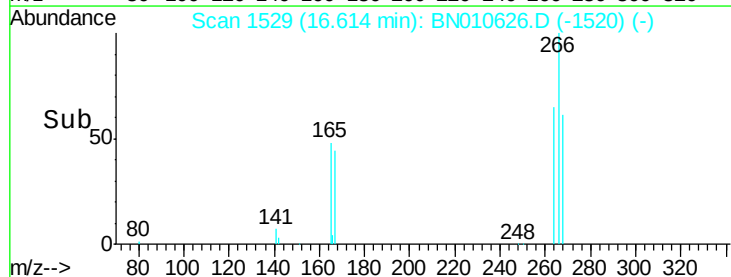
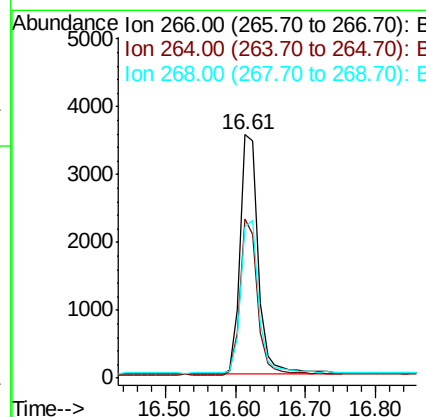
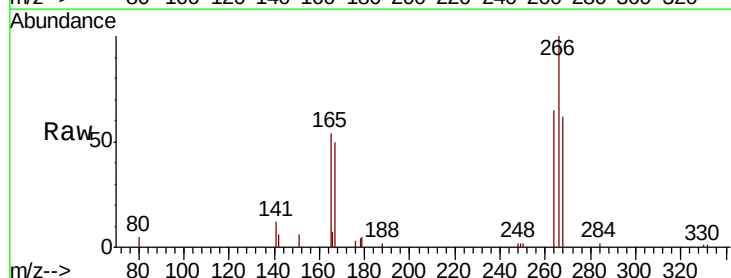
Manual Integrations
APPROVED

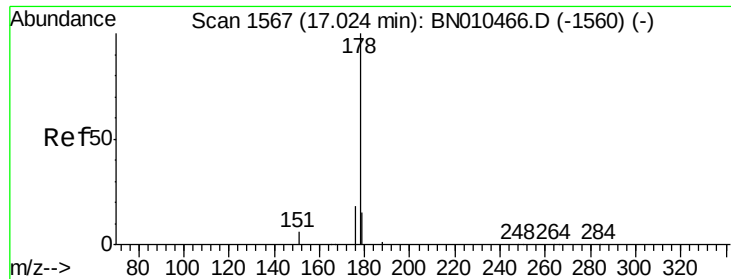
mohammad
4/30/2020 12:05:21 AM



#22
Pentachlorophenol
Concen: 1.277 ng
RT: 16.61 min Scan# 1529
Delta R.T. -0.01 min
Lab File: BN010626.D
Acq: 28 Apr 2020 16:24

Tgt Ion	Ratio	Lower	Upper
266	100		
264	65.2	51.8	77.6
268	62.2	53.7	80.5





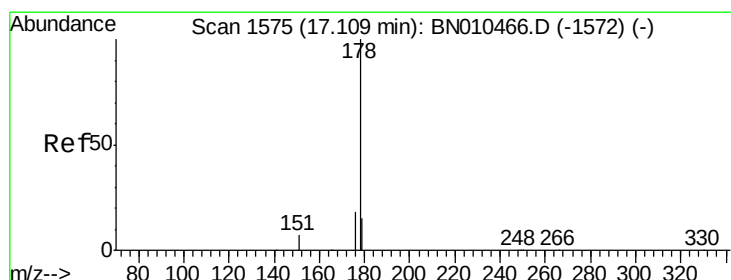
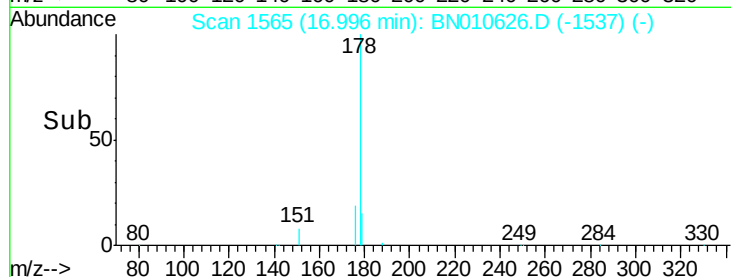
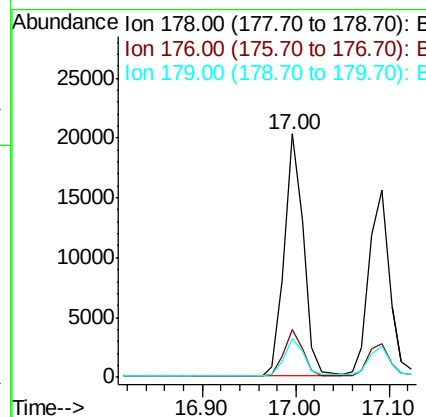
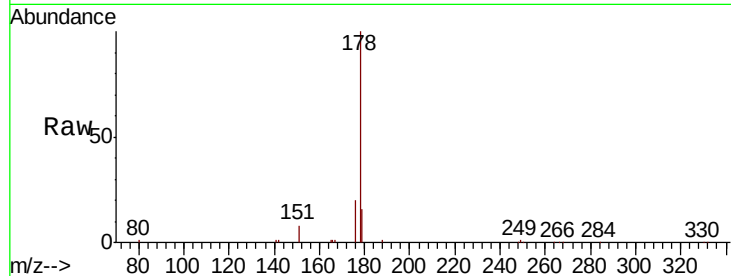
#23
Phenanthrene
Concen: 0.540 ng
RT: 17.00 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BN010626.D
Acq: 28 Apr 2020 16:24

Instrument :
BNA_N
ClientSampleId :
PA-TWP-2MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.0	22.4
179	15.8	12.6	18.8

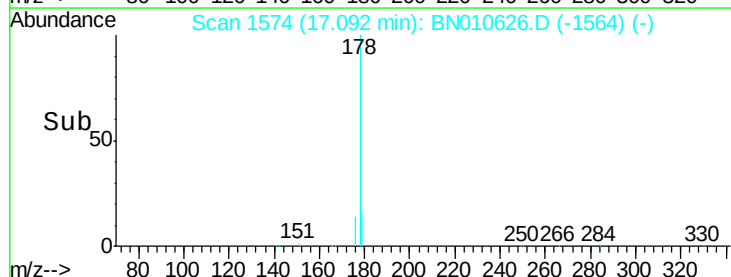
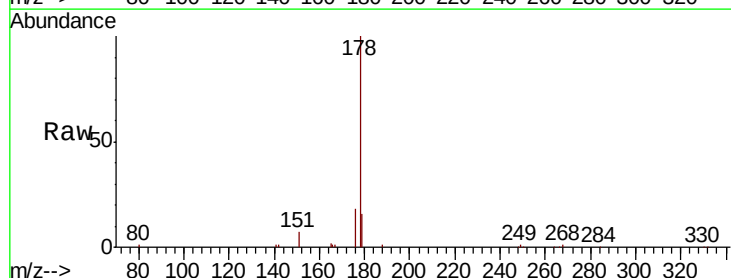
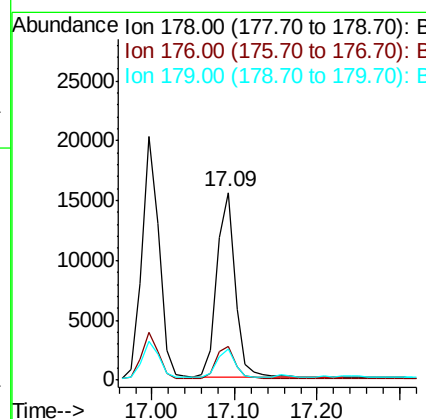
Manual Integrations
APPROVED

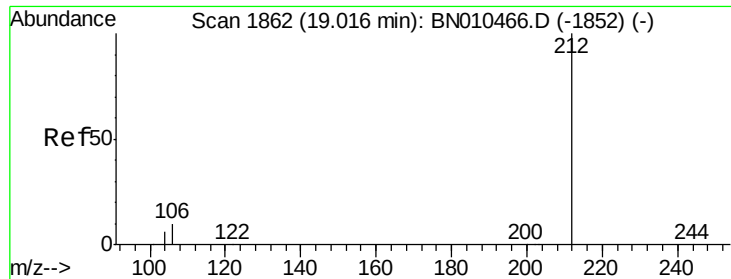
mohammad
4/30/2020 12:05:21 AM



#24
Anthracene
Concen: 0.491 ng
RT: 17.09 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BN010626.D
Acq: 28 Apr 2020 16:24

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	21.8
179	15.2	12.2	18.2





#25

Fluoranthene-d10

Concen: 0.344 ng

RT: 18.99 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Instrument :

BNA_N

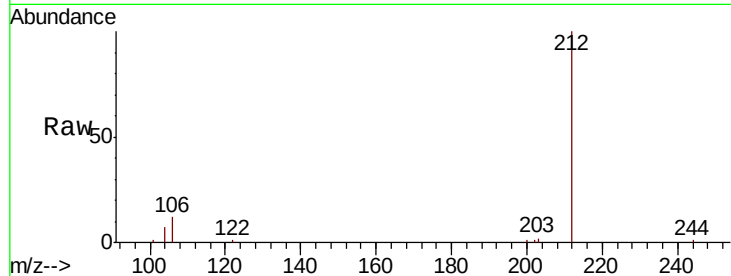
ClientSampleId :

PA-TWP-2MSD

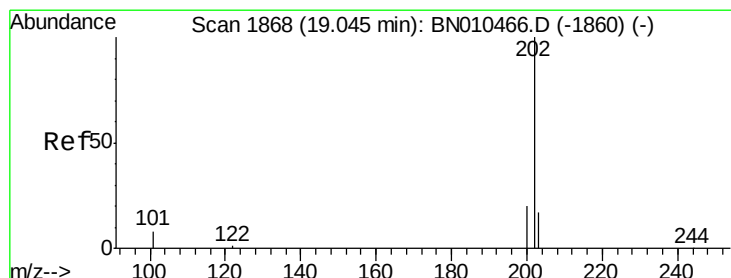
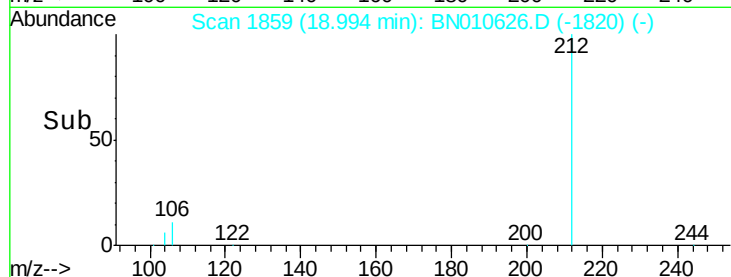
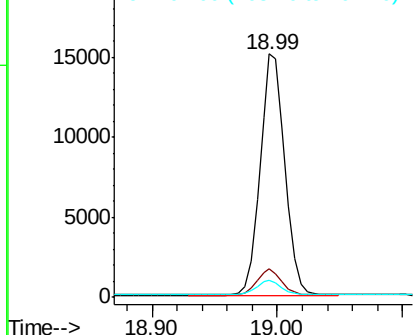
Tot Ion:	212	Resp:	20646
Ion Ratio	Lower	Upper	
212	100		
106	10.3	7.8	11.6
104	6.1	4.5	6.7

Manual Integrations
APPROVED

mohammad
4/30/2020 12:05:21 AM



Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.500 ng

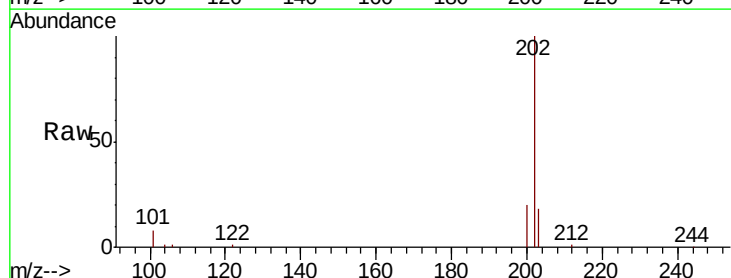
RT: 19.03 min Scan# 1866

Delta R.T. 0.00 min

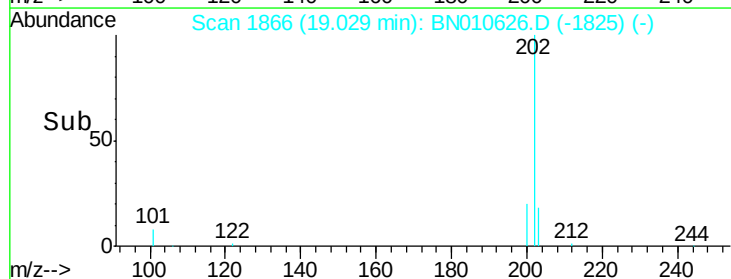
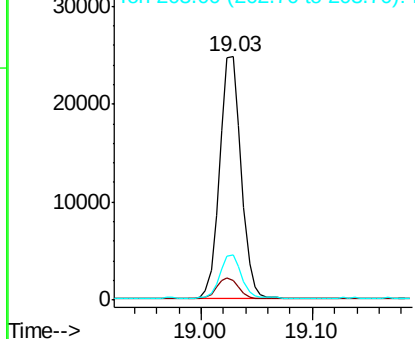
Lab File: BN010626.D

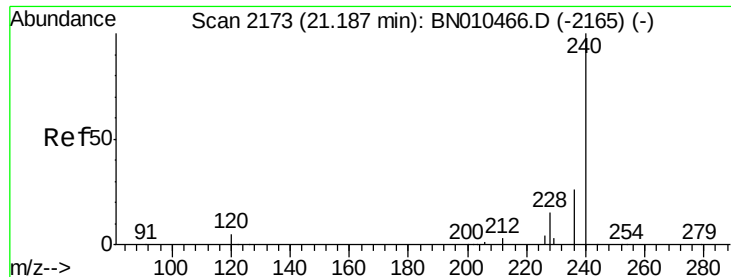
Acq: 28 Apr 2020 16:24

Tgt Ion:	202	Resp:	33298
Ion Ratio	Lower	Upper	
202	100		
101	8.7	6.9	10.3
203	17.6	13.9	20.9



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.16 min Scan# 2172

Delta R.T. -0.00 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

Instrument :

BNA_N

ClientSampleId :

PA-TWP-2MSD

Tot Ion:240 Resp: 18808

Ion Ratio Lower Upper

240 100

120 10.6 4.8 7.2#

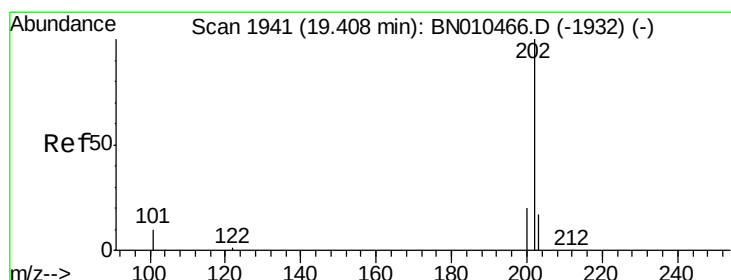
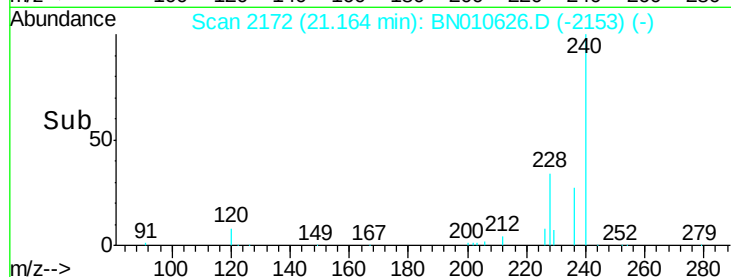
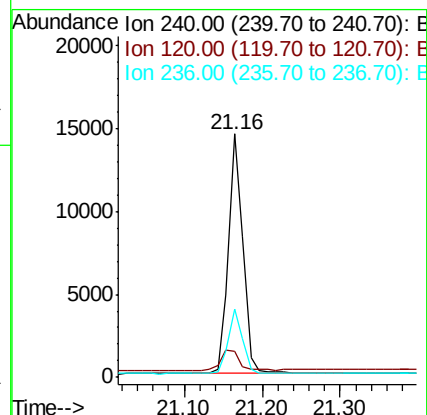
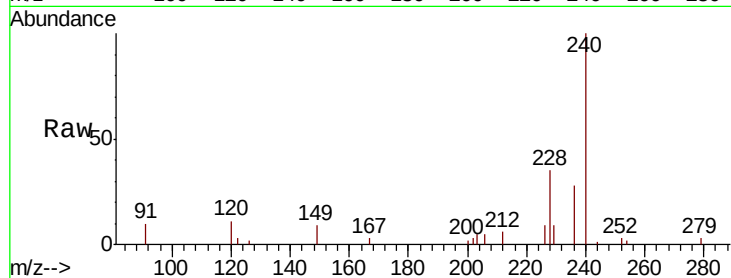
236 27.8 21.4 32.0

Manual Integrations

APPROVED

mohammad

4/30/2020 12:05:21 AM



#28

Pyrene

Concen: 0.540 ng

RT: 19.39 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BN010626.D

Acq: 28 Apr 2020 16:24

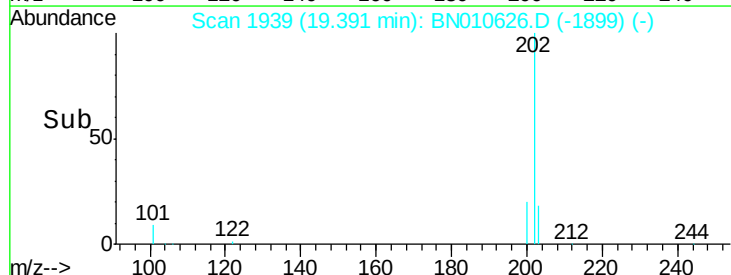
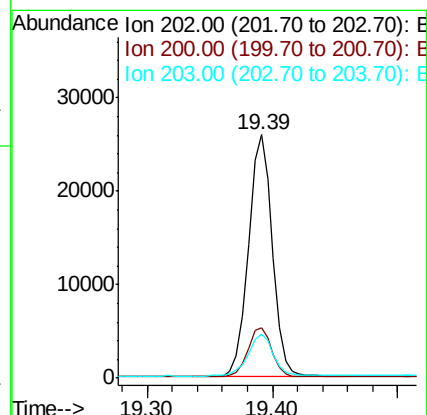
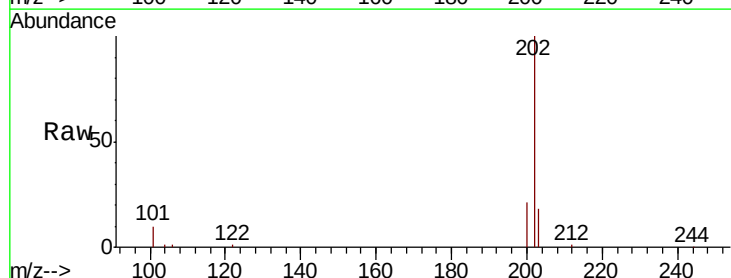
Tgt Ion:202 Resp: 34217

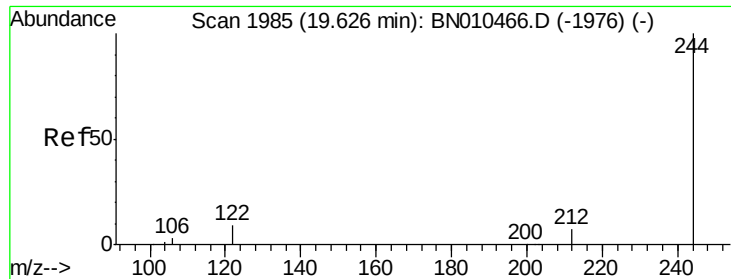
Ion Ratio Lower Upper

202 100

200 20.4 16.3 24.5

203 18.2 14.0 21.0





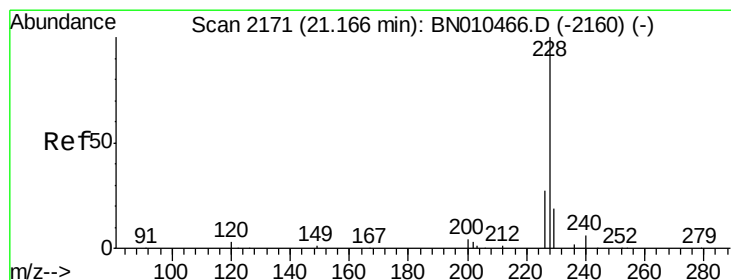
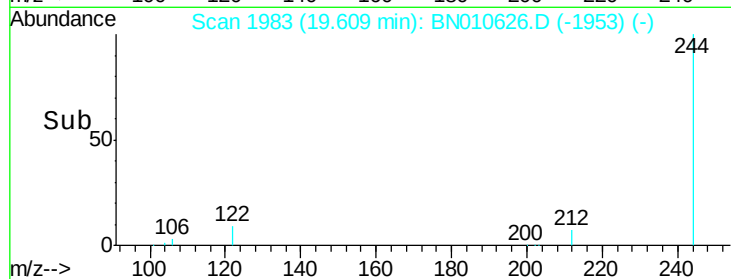
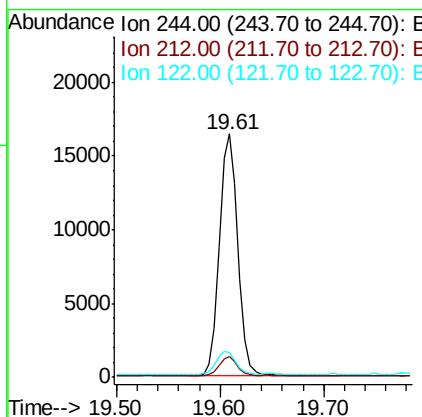
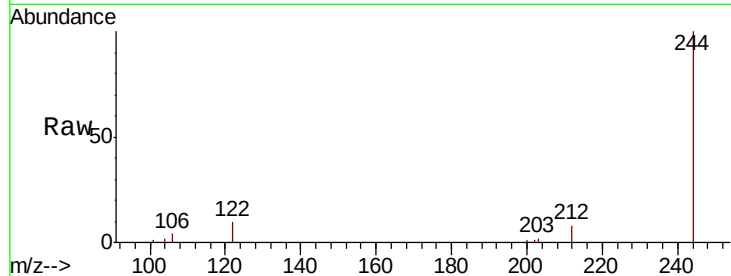
#29
 Terphenyl-d14
 Concen: 0.471 ng
 RT: 19.61 min Scan# 1983
 Delta R.T. -0.00 min
 Lab File: BN010626.D
 Acq: 28 Apr 2020 16:24

Instrument :
 BNA_N
 ClientSampleId :
 PA-TWP-2MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.2	9.4
122	10.1	7.8	11.8

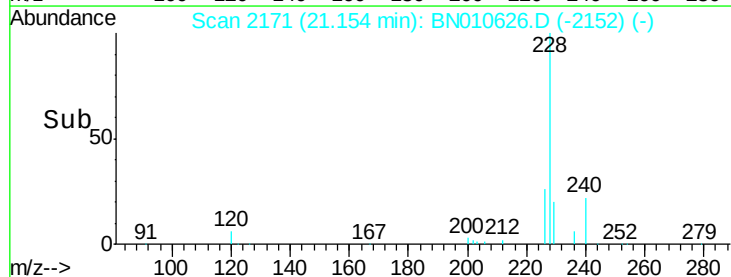
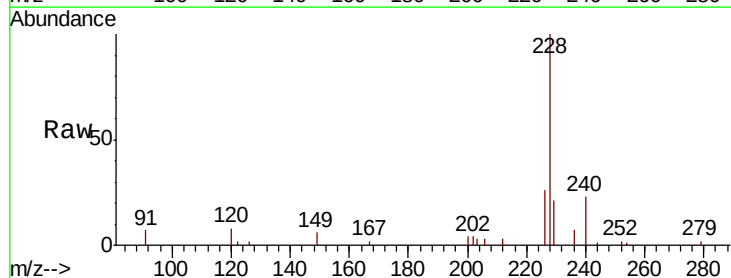
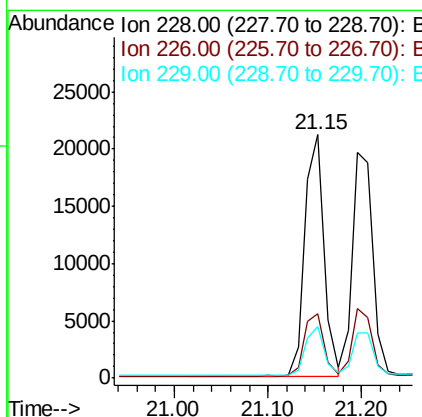
Manual Integrations
 APPROVED

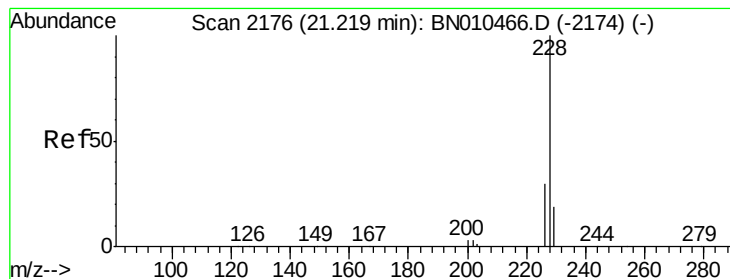
mohammad
 4/30/2020 12:05:21 AM



#30
 Benzo(a)anthracene
 Concen: 0.485 ng
 RT: 21.15 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: BN010626.D
 Acq: 28 Apr 2020 16:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.7	32.5
229	21.0	15.6	23.4





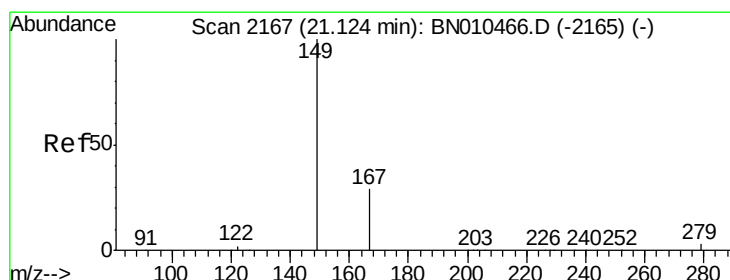
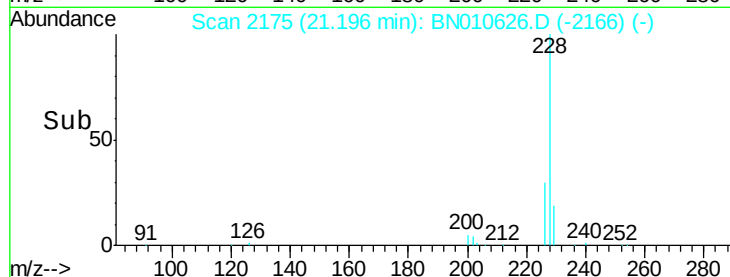
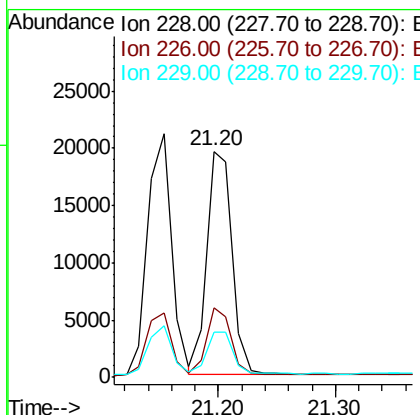
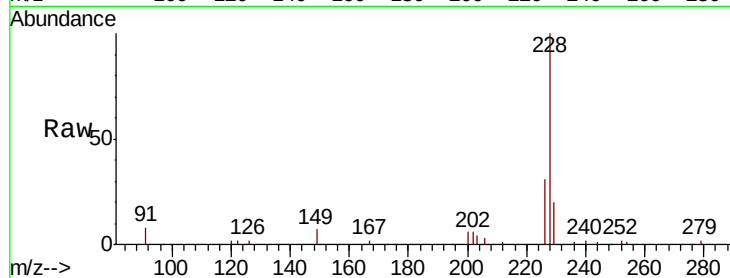
#31
Chrysene
Concen: 0.481 ng
RT: 21.20 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BN010626.D
Acq: 28 Apr 2020 16:24

Instrument :
BNA_N
ClientSampleId :
PA-TWP-2MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.0	36.0
229	20.2	15.8	23.6

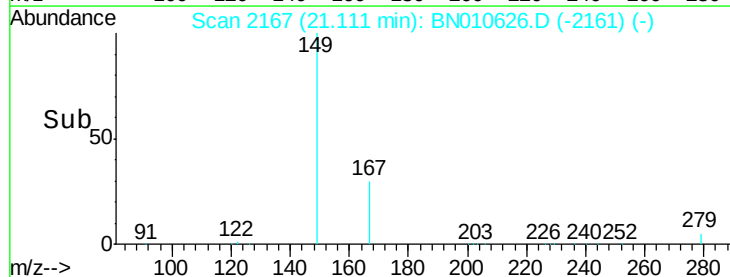
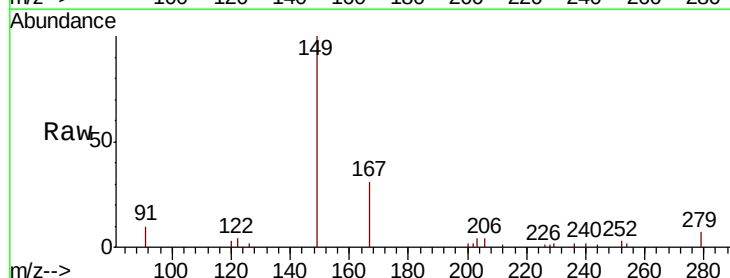
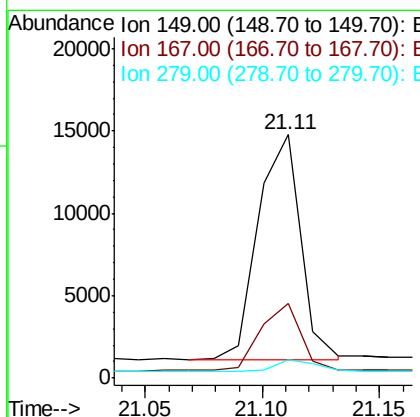
Manual Integrations
APPROVED

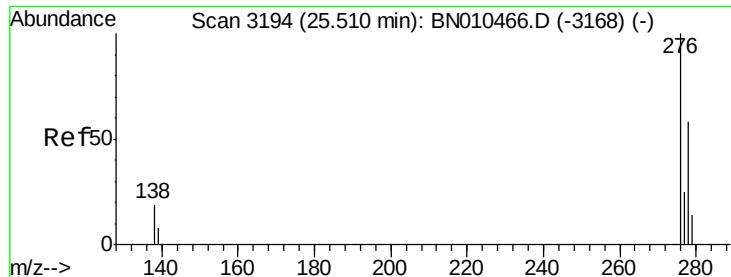
mohammad
4/30/2020 12:05:21 AM



#32
Bis(2-ethylhexyl)phthalate
Concen: 0.548 ng
RT: 21.11 min Scan# 2167
Delta R.T. 0.01 min
Lab File: BN010626.D
Acq: 28 Apr 2020 16:24

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.2	23.4	35.0
279	4.9	4.0	6.0





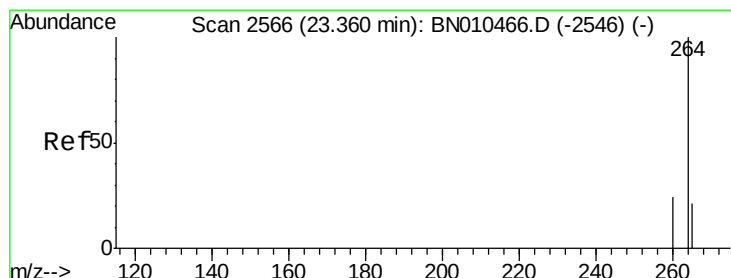
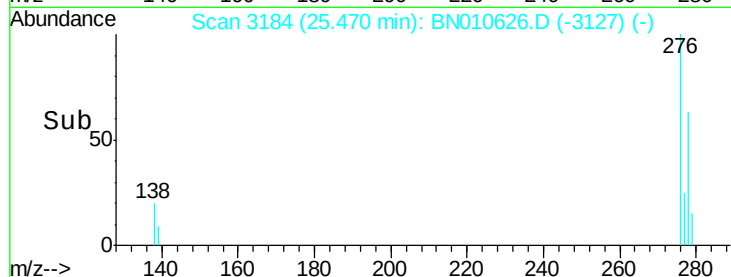
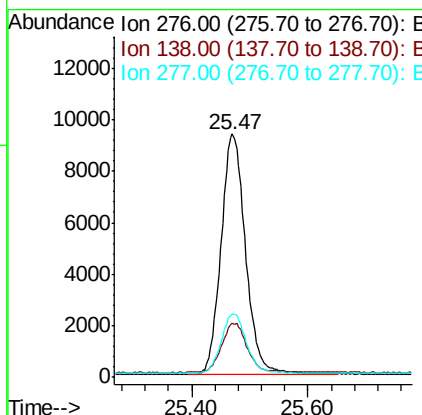
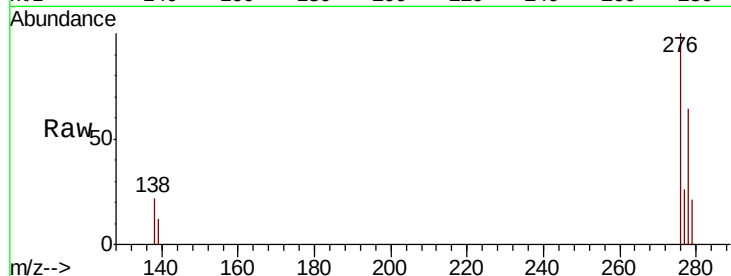
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.508 ng
RT: 25.47 min Scan# 3184
Delta R.T. -0.01 min
Lab File: BN010626.D
Acq: 28 Apr 2020 16:24

Instrument :
BNA_N
ClientSampleId :
PA-TWP-2MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	16.4	24.6
277	24.7	19.8	29.6

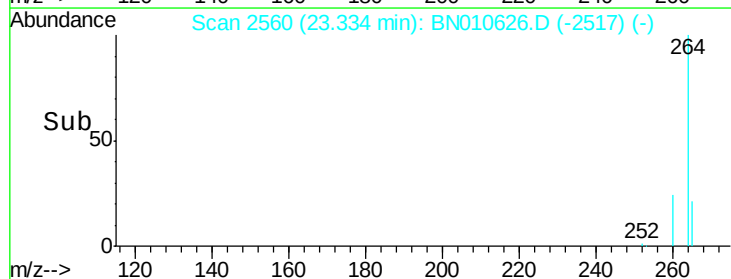
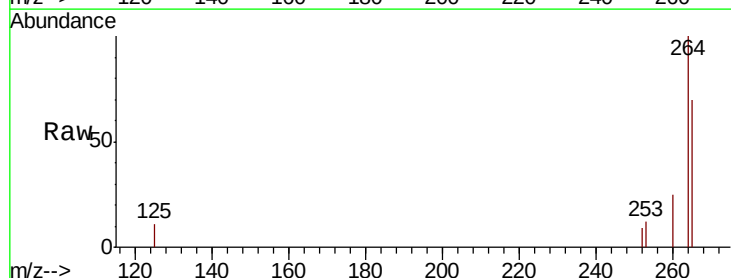
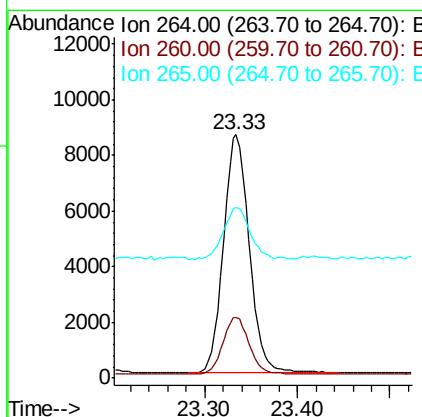
Manual Integrations
APPROVED

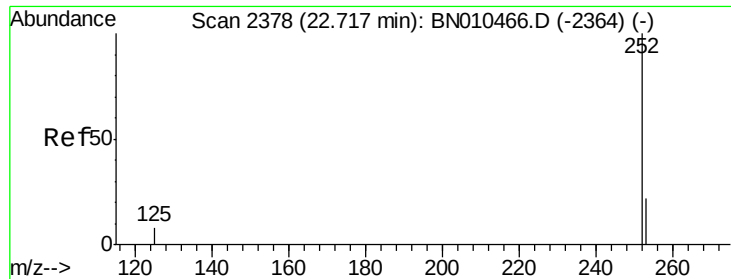
mohammad
4/30/2020 12:05:21 AM



#34
Perylene-d12
Concen: 0.400 ng
RT: 23.33 min Scan# 2560
Delta R.T. -0.00 min
Lab File: BN010626.D
Acq: 28 Apr 2020 16:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.8	29.8
265	70.2	42.3	63.5





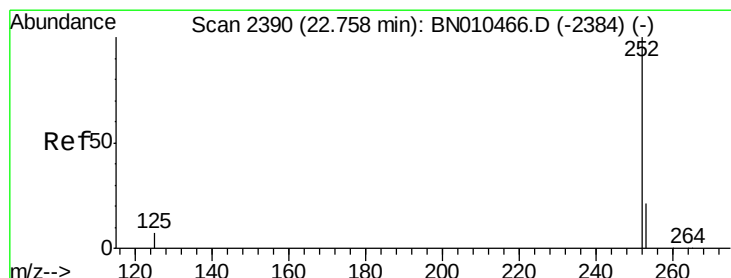
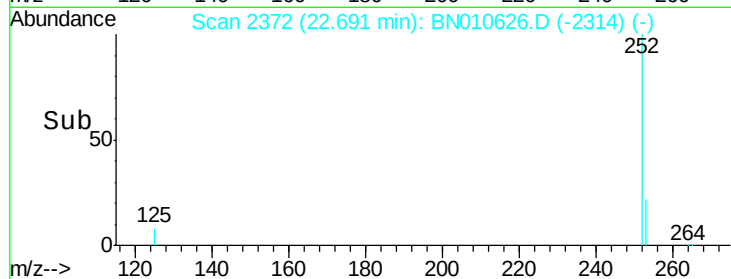
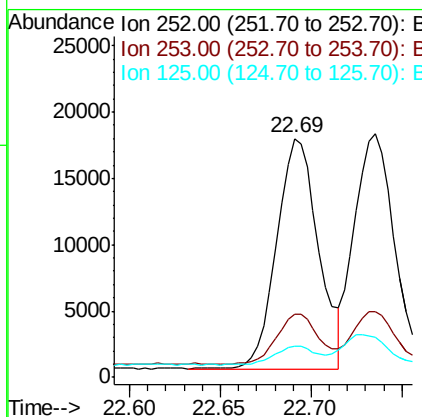
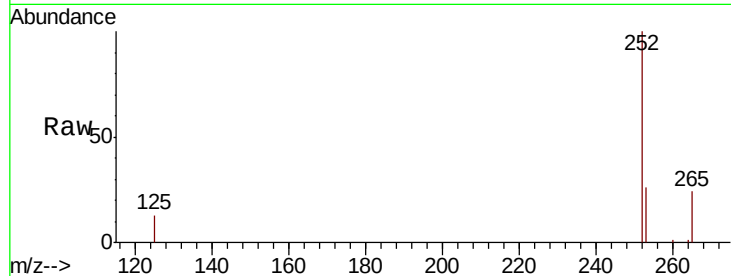
#35
Benzo(b)fluoranthene
Concen: 0.503 ng
RT: 22.69 min Scan# 2372
Delta R.T. -0.00 min
Lab File: BN010626.D
Acq: 28 Apr 2020 16:24

Instrument :
BNA_N
ClientSampleId :
PA-TWP-2MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	20.2	30.4
125	13.2	9.2	13.8

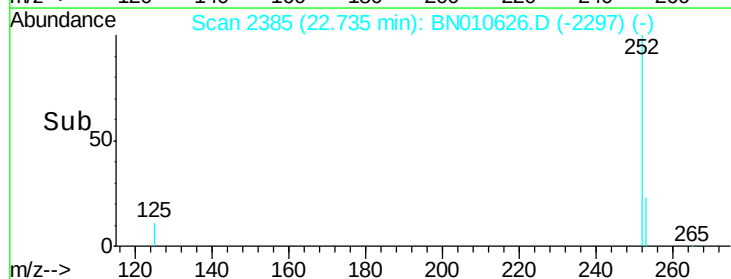
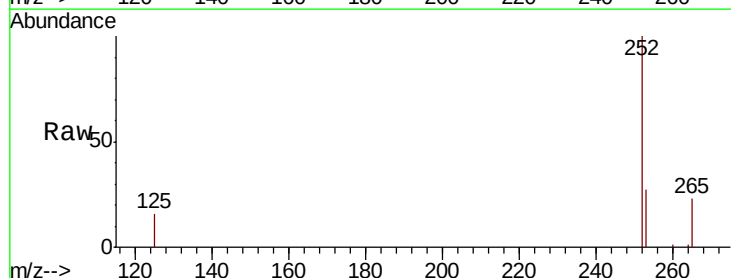
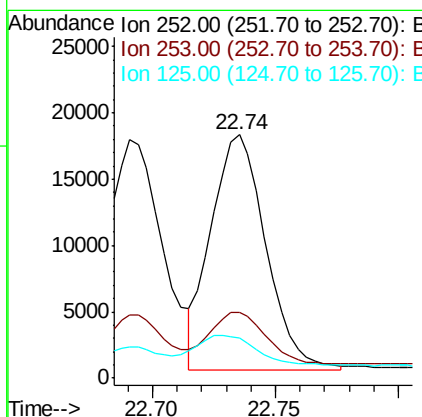
Manual Integrations
APPROVED

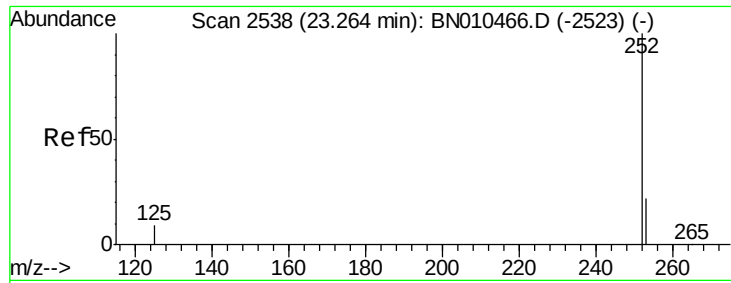
mohammad
4/30/2020 12:05:21 AM



#36
Benzo(k)fluoranthene
Concen: 0.499 ng m
RT: 22.74 min Scan# 2385
Delta R.T. 0.00 min
Lab File: BN010626.D
Acq: 28 Apr 2020 16:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.2	20.1	30.1
125	16.2	9.6	14.4





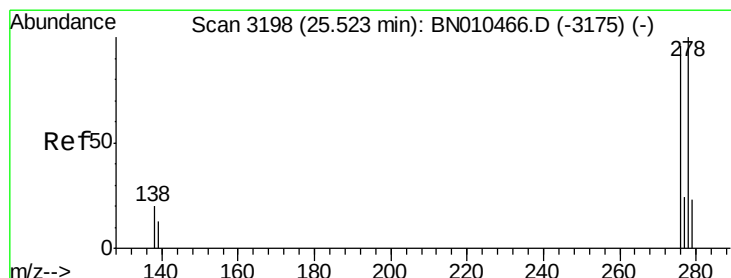
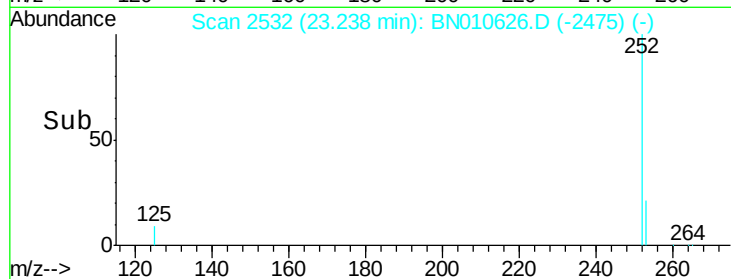
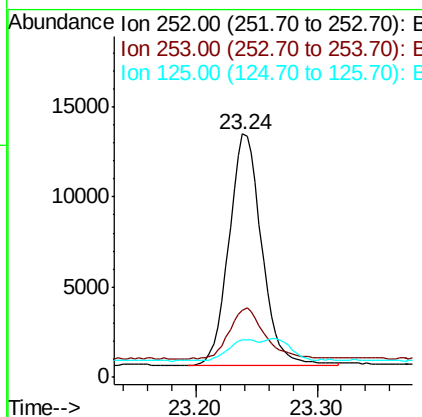
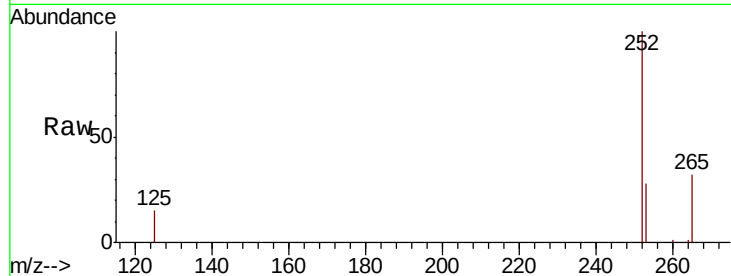
#37
Benzo(a)pyrene
Concen: 0.491 ng
RT: 23.24 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BN010626.D
Acq: 28 Apr 2020 16:24

Instrument :
BNA_N
ClientSampleId :
PA-TWP-2MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.7	21.8	32.8
125	15.4	11.0	16.6

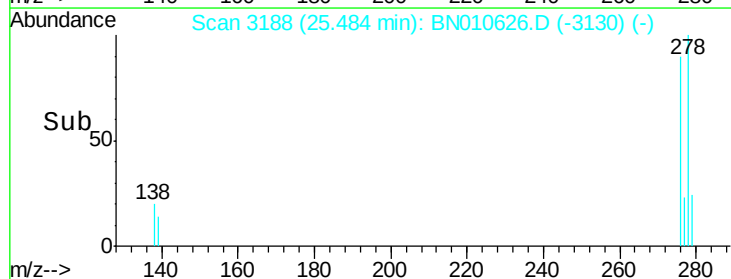
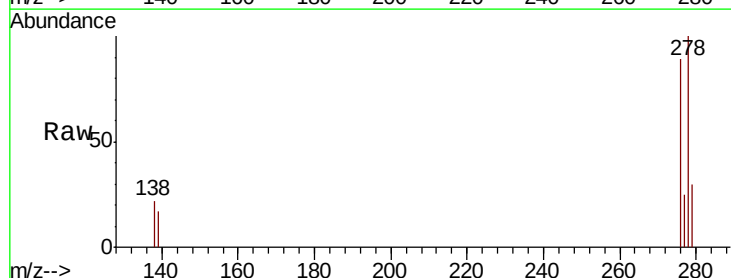
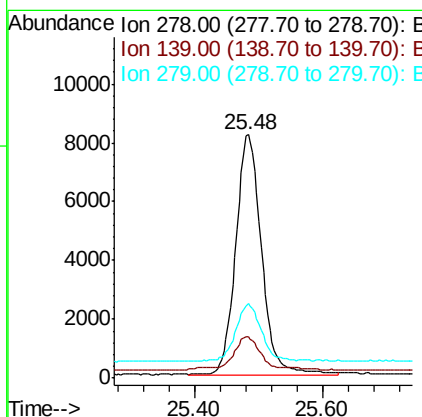
Manual Integrations
APPROVED

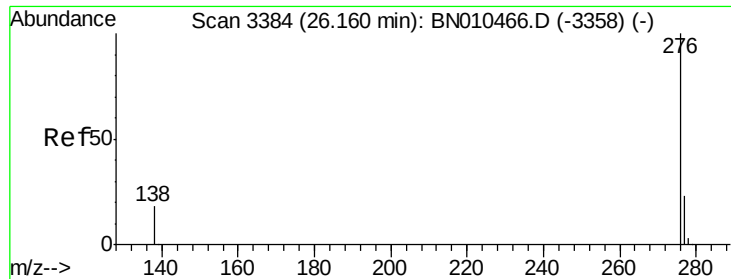
mohammad
4/30/2020 12:05:21 AM



#38
Dibenzo(a,h)anthracene
Concen: 0.511 ng
RT: 25.48 min Scan# 3188
Delta R.T. -0.00 min
Lab File: BN010626.D
Acq: 28 Apr 2020 16:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.0	12.3	18.5
279	30.4	21.9	32.9





#39

Benzo(a,h,i)perylene

Concen: 0.519 ng

RT: 26.12 min Scan# 3373

Delta R.T. -0.00 min

Lab File: BN010626.D

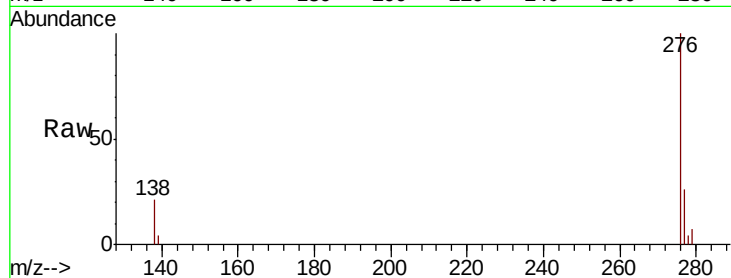
Acq: 28 Apr 2020 16:24

Instrument :

BNA_N

ClientSampleId :

PA-TWP-2MSD



Tot Ion:	276	Resp:	23264
Ion Ratio	Lower	Upper	
276	100		
277	25.6	20.2	30.2
138	20.8	15.4	23.2

Manual Integrations
APPROVED

mohammad
4/30/2020 12:05:21 AM

