

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
 Data File : BN005949.D
 Acq On : 30 May 2019 02:02
 Operator : JU/SJ
 Sample : K2928-10
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A42C4

Manual Integrations
 APPROVED

mohammad
 5/30/2019 1:29:20 PM

Quant Time: May 30 07:27:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed May 29 02:28:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	552013	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	2466772	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.38	164	1404643	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.14	188	2961064	20.00	ng/ul	0.02
77) Chrysene-d12	21.34	240	2004070	20.00	ng/ul	0.01
85) Perylene-d12	23.62	264	2177045	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	37109	2.96	ng/uL	0.00
5) Phenol-d5	6.91	99	780987	15.96	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.07	67	483413	17.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	645168	17.31	ng/ul	0.00
13) 4-Methylphenol-d8	8.44	113	617903	15.64	ng/ul	0.00
19) Nitrobenzene-d5	8.89	128	322447m	20.37	ng/ul	0.00
22) 2-Nitrophenol-d4	9.61	143	266205	18.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.14	165	622306	17.87	ng/ul	0.01
29) 4-Chloroaniline-d4	10.66	131	260164	5.70	ng/ul	0.01
43) Dimethylphthalate-d6	13.79	166	1911274	18.46	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	2384940	18.41	ng/ul	0.01
51) 4-Nitrophenol-d4	14.58	143	237503	12.60	ng/ul	0.02
57) Fluorene-d10	15.38	176	1649281	18.99	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.51	200	10363	0.86	ng/ul	0.03
70) Anthracene-d10	17.24	188	2342574	18.59	ng/ul	0.02
78) Pyrene-d10	19.54	212	2174101	21.48	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.48	264	1749931	18.01	ng/ul	0.03

Target Compounds

					Ovalue	
28) Naphthalene	10.57	128	274998	2.349	ng/ul	98
34) 2-Methylnaphthalene	12.19	142	132579	1.537	ng/ul	98
44) Dimethylphthalate	13.84	163	678562	6.556	ng/ul	100
49) Acenaphthene	14.45	153	349647	4.052	ng/ul	99
53) Dibenzofuran	14.78	168	299768	2.461	ng/ul	98
58) Fluorene	15.44	166	423870	4.430	ng/ul	96
69) Phenanthrene	17.18	178	5423585	36.968	ng/ul	98
71) Anthracene	17.26	178	1223121	8.212	ng/ul	99
74) Carbazole	17.54	167	628840	4.687	ng/ul	99
76) Fluoranthene	19.21	202	5309913	33.904	ng/ul	95
79) Pyrene	19.57	202	4487169	35.346	ng/ul#	95
82) Benzo(a)anthracene	21.32	228	2013498	15.983	ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.26	149	107275	1.297	ng/ul#	97
84) Chrysene	21.38	228	1997209m	16.998	ng/ul	
87) Benzo(b)fluoranthene	22.94	252	2095541	17.138	ng/ul#	94
88) Benzo(k)fluoranthene	22.98	252	737551m	6.560	ng/ul	
90) Benzo(a)pyrene	23.52	252	1448543	12.562	ng/ul#	93
91) Indeno(1,2,3-cd)pyrene	25.91	276	931237	6.882	ng/ul	96
92) Dibenzo(a,h)anthracene	25.92	278	272070	2.415	ng/ul#	80
93) Benzo(g,h,i)perylene	26.62	276	720692	6.324	ng/ul#	91

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

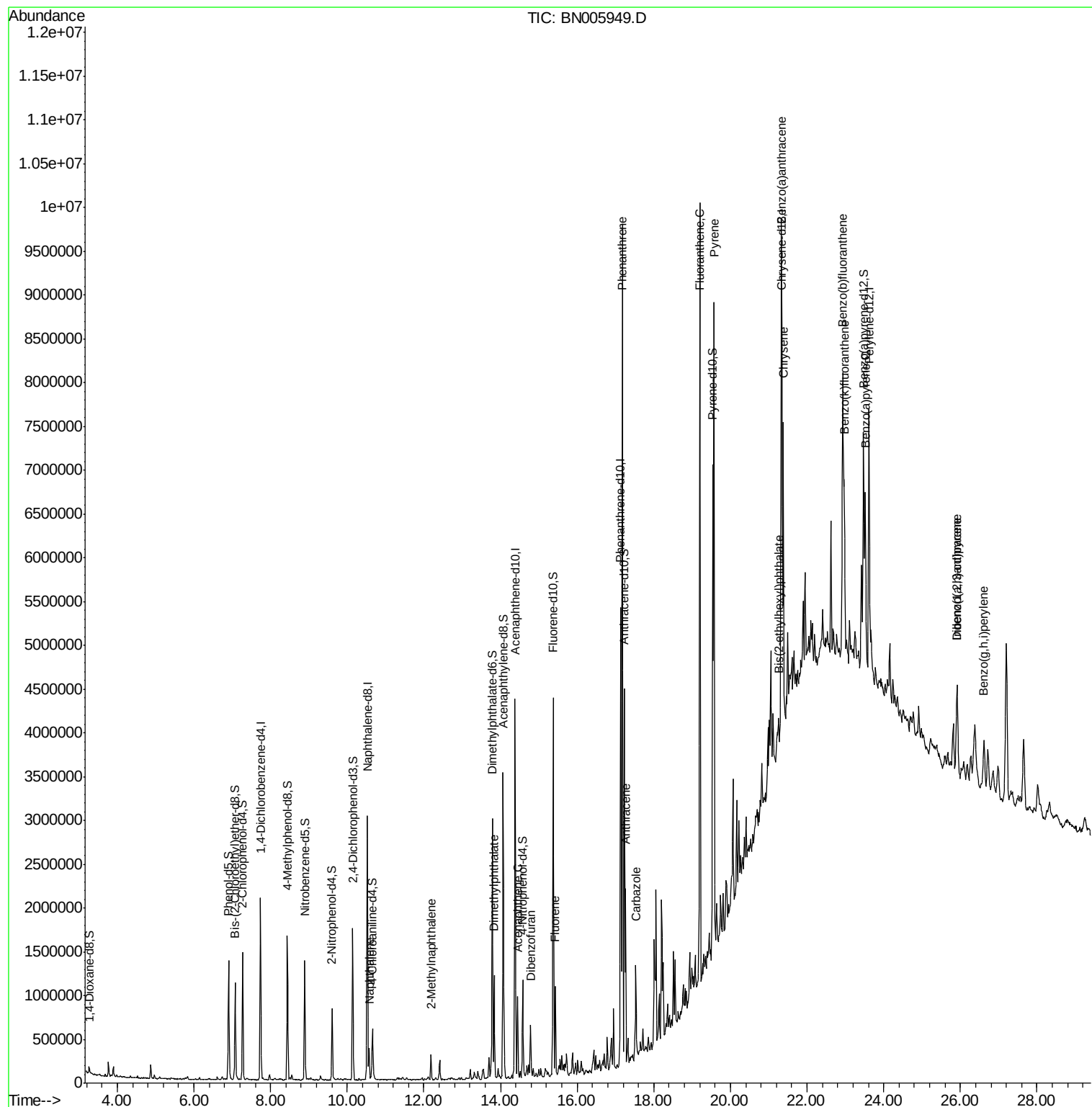
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052919\
Data File : BN005949.D
Acq On : 30 May 2019 02:02
Operator : JU/SJ
Sample : K2928-10
Misc :
ALS Vial : 29 Sample Multiplier: 1

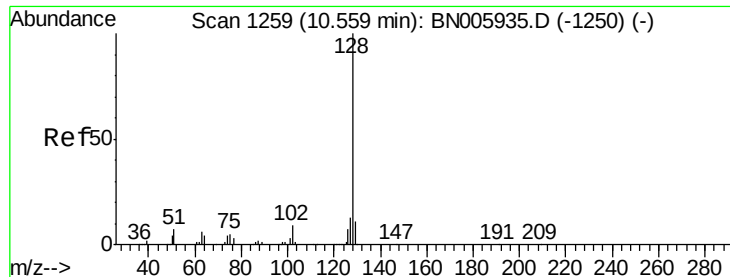
Instrument :
BNA_N
ClientSampleId :
A42C4

Quant Time: May 30 07:27:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 29 02:28:30 2019
Response via : Initial Calibration

Manual Integrations
APPROVED

mohammad
5/30/2019 1:29:20 PM





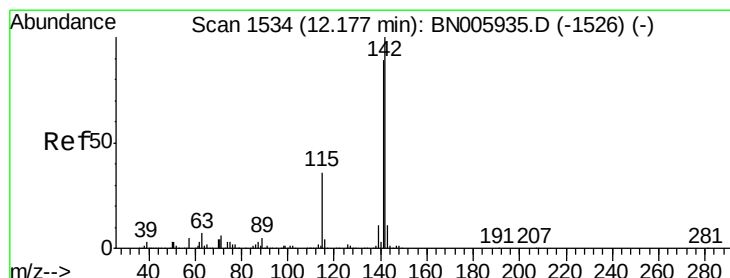
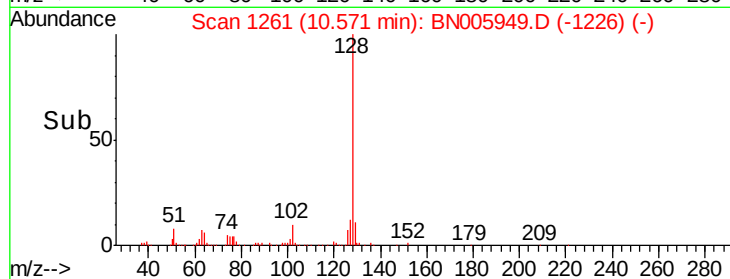
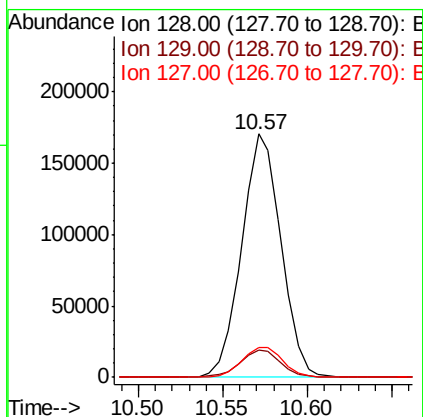
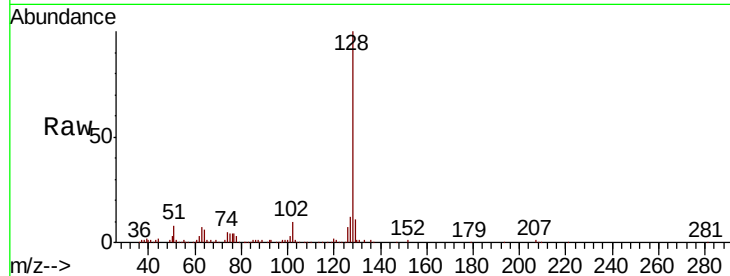
#28
Naphthalene
Concen: 2.349 ng/ul
RT: 10.57 min Scan# 1261
Delta R.T. 0.01 min
Lab File: BN005949.D
Acq: 30 May 2019 02:02

Instrument :
BNA_N
ClientSampleId :
A42C4

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.2	13.8
127	12.4	10.7	16.1

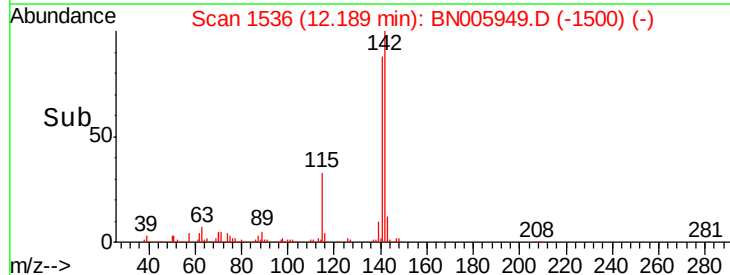
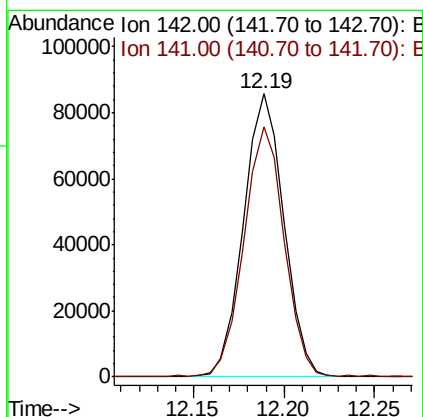
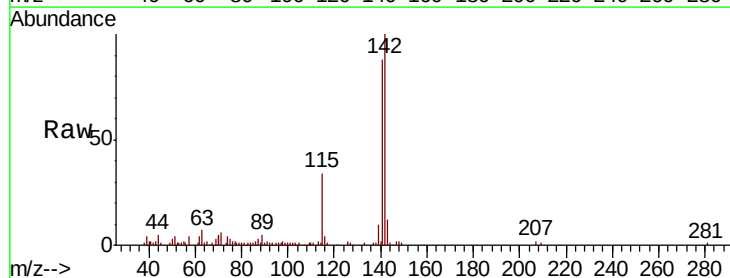
Manual Integrations
APPROVED

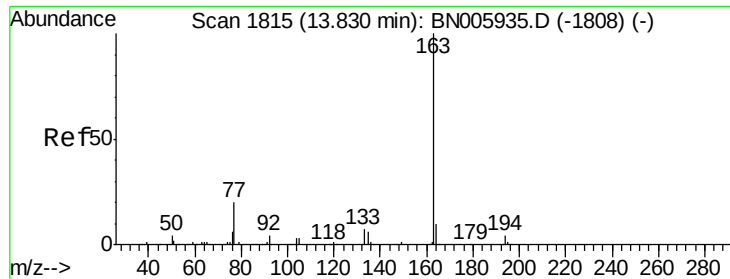
mohammad
5/30/2019 1:29:20 PM



#34
2-Methylnaphthalene
Concen: 1.537 ng/ul
RT: 12.19 min Scan# 1536
Delta R.T. 0.01 min
Lab File: BN005949.D
Acq: 30 May 2019 02:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.3	72.0	108.0





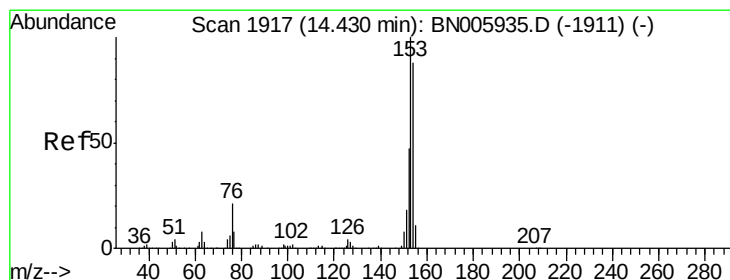
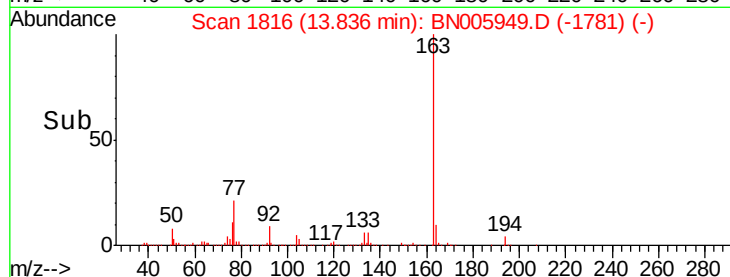
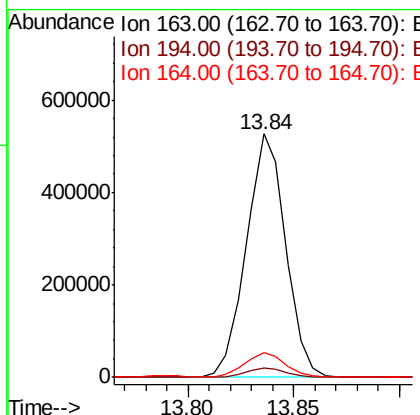
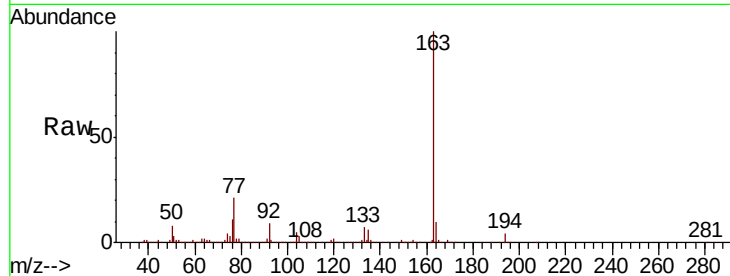
#44
Dimethylphthalate
Concen: 6.556 ng/ul
RT: 13.84 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BN005949.D
Acq: 30 May 2019 02:02

Instrument :
BNA_N
ClientSampleId :
A42C4

Tot Ion	Ratio	Resp	Lower	Upper
163	100	678562		
194	4.0		3.4	5.0
164	10.0		8.1	12.1

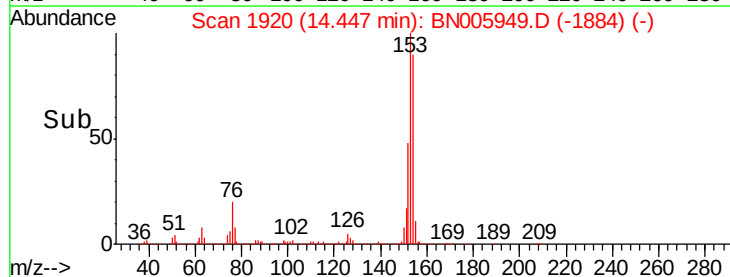
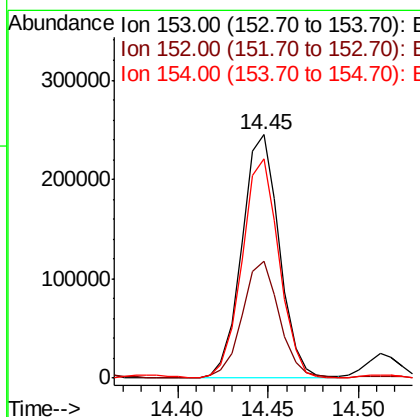
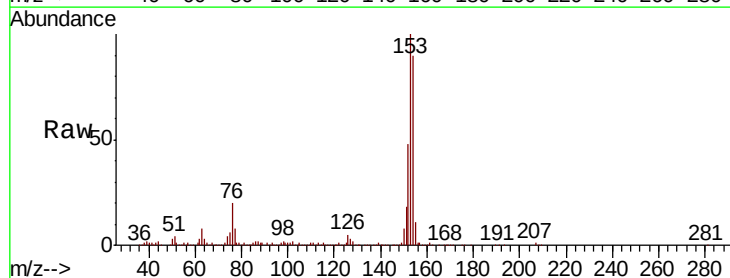
Manual Integrations
APPROVED

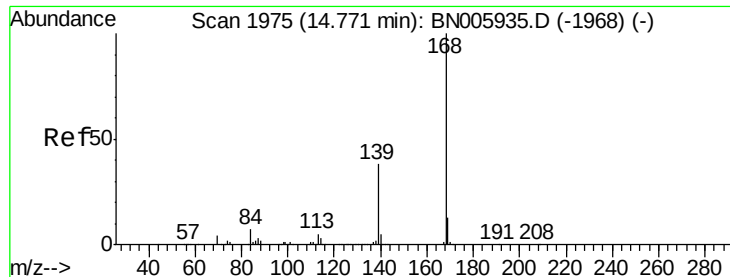
mohammad
5/30/2019 1:29:20 PM



#49
Acenaphthene
Concen: 4.052 ng/ul
RT: 14.45 min Scan# 1920
Delta R.T. 0.01 min
Lab File: BN005949.D
Acq: 30 May 2019 02:02

Tgt Ion	Ratio	Resp	Lower	Upper
153	100	349647		
152	47.9		37.4	56.0
154	90.2		71.2	106.8





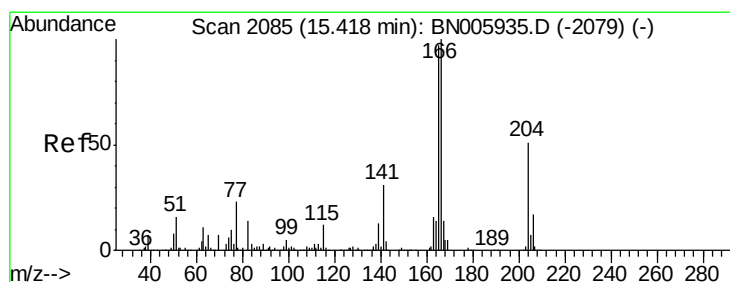
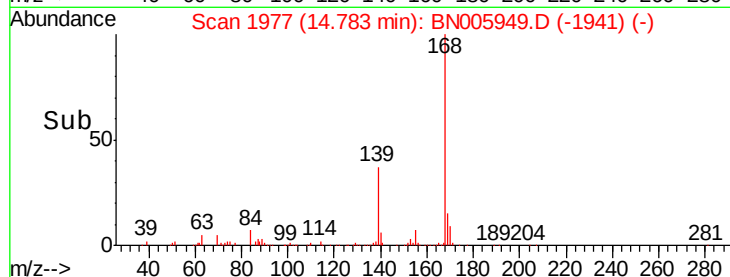
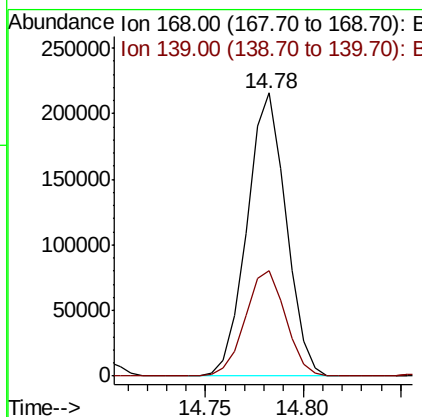
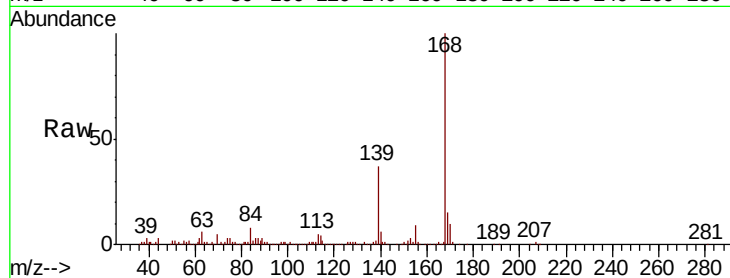
#53
Dibenzenofuran
Concen: 2.461 ng/ul
RT: 14.78 min Scan# 1977
Delta R.T. 0.01 min
Lab File: BN005949.D
Acq: 30 May 2019 02:02

Instrument :
BNA_N
ClientSampled :
A42C4

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.4	30.9	46.3

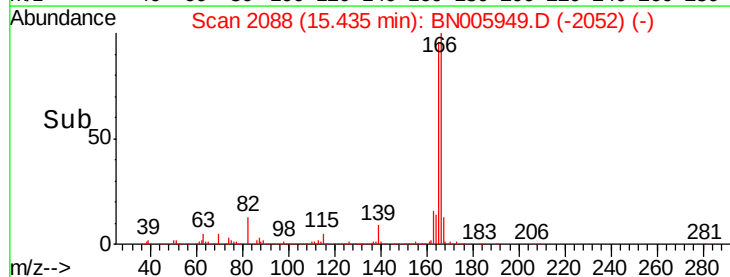
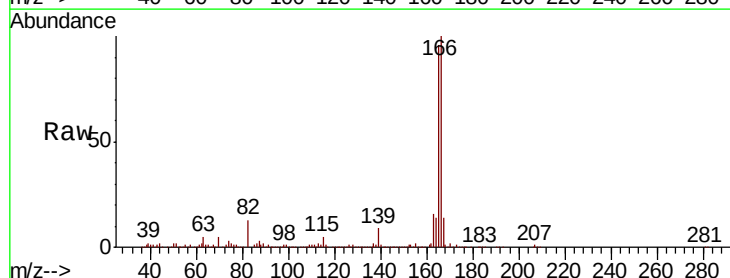
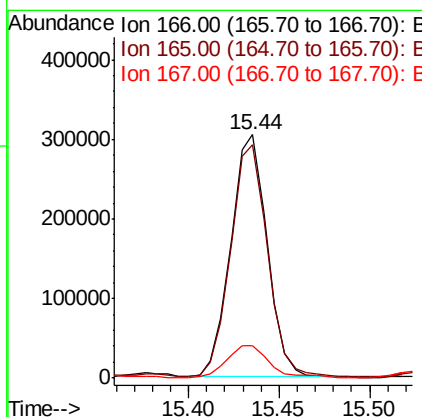
Manual Integrations
APPROVED

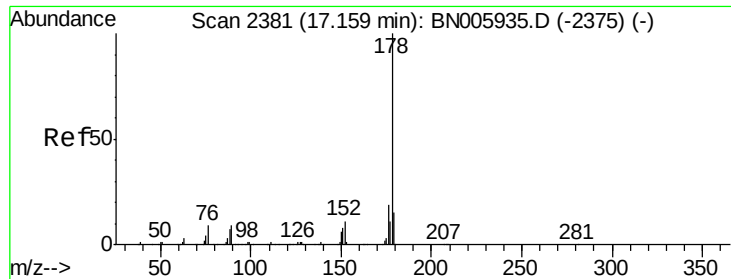
mohammad
5/30/2019 1:29:20 PM



#58
Fluorene
Concen: 4.430 ng/ul
RT: 15.44 min Scan# 2088
Delta R.T. 0.01 min
Lab File: BN005949.D
Acq: 30 May 2019 02:02

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.0	80.0	120.0
167	13.6	10.7	16.1





#69

Phenanthrene

Concen: 36.968 ng/ul

RT: 17.18 min Scan# 2384

Delta R.T. 0.02 min

Lab File: BN005949.D

Acq: 30 May 2019 02:02

Instrument :

BNA_N

ClientSampled :

A42C4

Tot Ion:178 Resp: 5423585

Ion Ratio Lower Upper

178 100

179 16.0 12.2 18.4

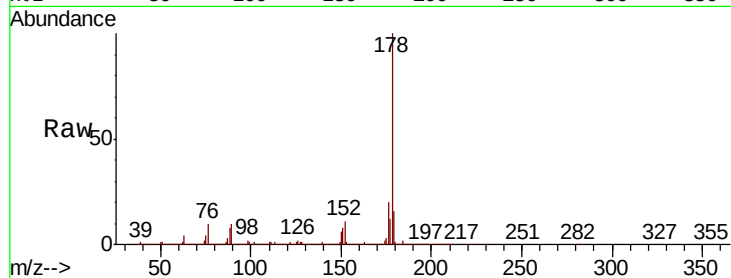
176 19.9 15.1 22.7

Manual Integrations

APPROVED

mohammad

5/30/2019 1:29:20 PM

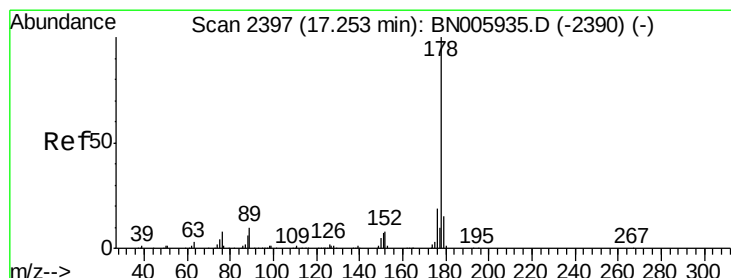
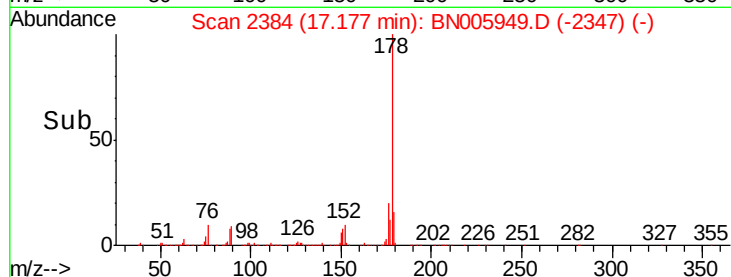
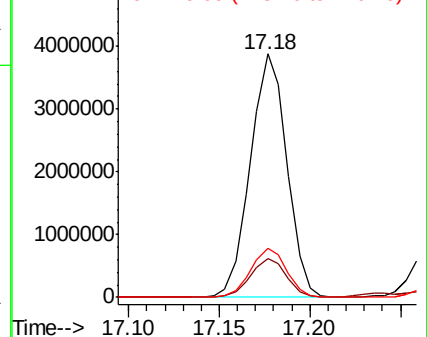


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 8.212 ng/ul

RT: 17.26 min Scan# 2399

Delta R.T. 0.01 min

Lab File: BN005949.D

Acq: 30 May 2019 02:02

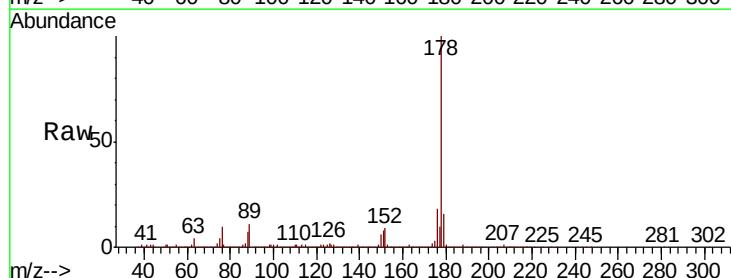
Tgt Ion:178 Resp: 1223121

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

176 18.5 15.1 22.7

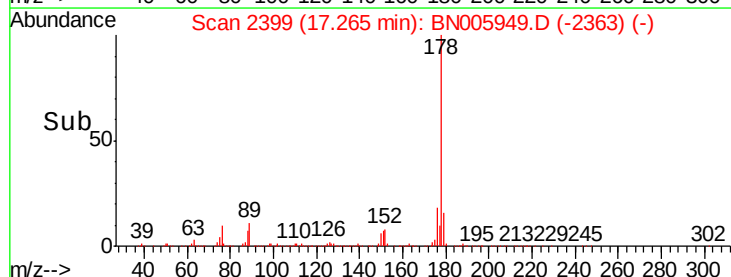
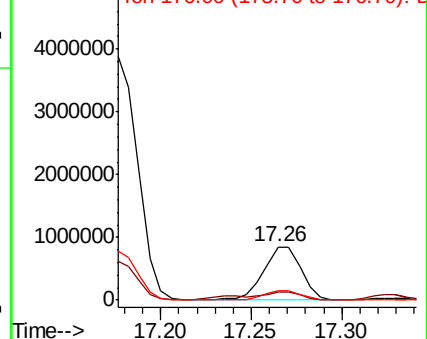


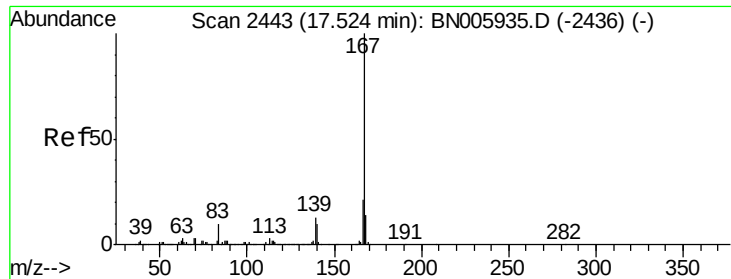
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





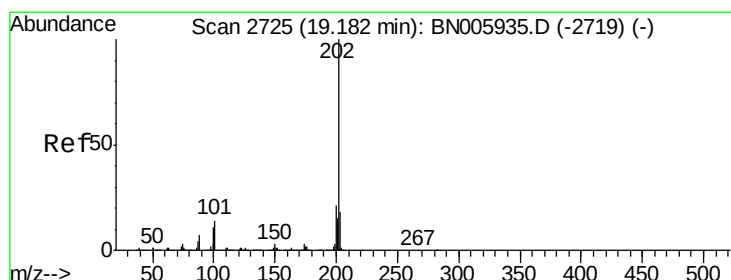
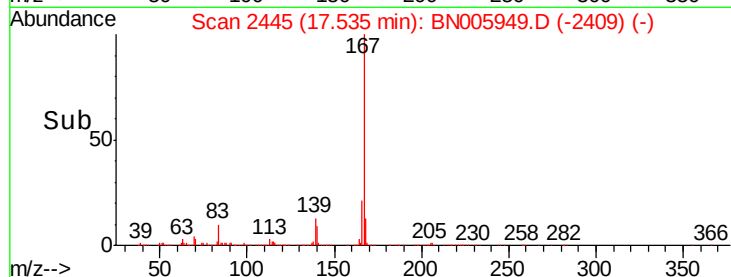
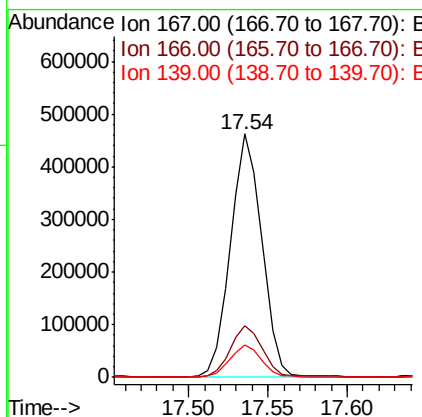
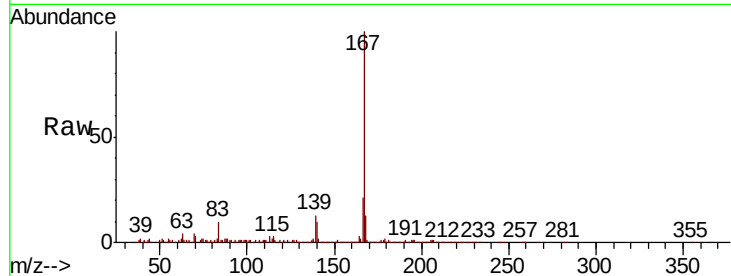
#74
 Carbazole
 Concen: 4.687 ng/ul
 RT: 17.54 min Scan# 2445
 Delta R.T. 0.01 min
 Lab File: BN005949.D
 Acq: 30 May 2019 02:02

Instrument :
 BNA_N
 ClientSampleId :
 A42C4

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.2	25.8
139	13.4	10.6	16.0

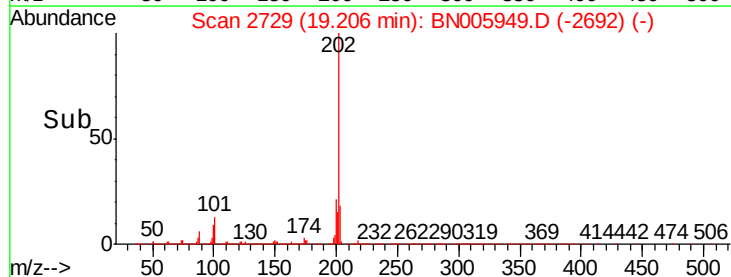
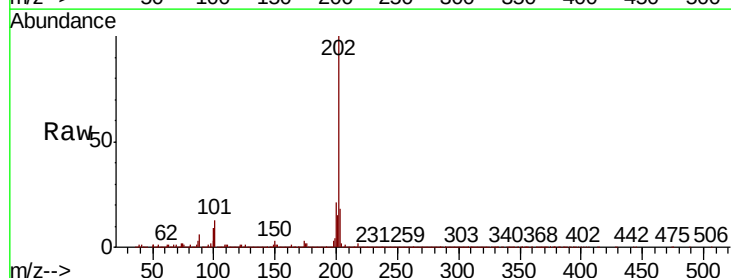
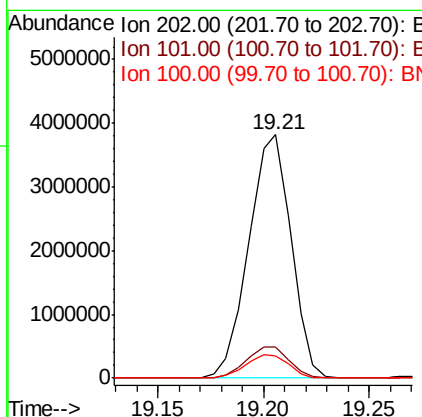
Manual Integrations
 APPROVED

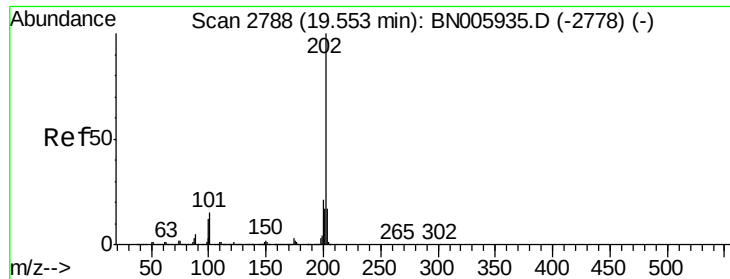
mohammad
 5/30/2019 1:29:20 PM



#76
 Fluoranthene
 Concen: 33.904 ng/ul
 RT: 19.21 min Scan# 2729
 Delta R.T. 0.02 min
 Lab File: BN005949.D
 Acq: 30 May 2019 02:02

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	8.6	12.8
100	9.4	6.3	9.5





#79

Pvrene

Concen: 35.346 ng/ul

RT: 19.57 min Scan# 2791

Delta R.T. 0.02 min

Lab File: BN005949.D

Acq: 30 May 2019 02:02

Instrument :

BNA_N

ClientSampleId :

A42C4

Tot Ion:202 Resp: 4487169

Ion Ratio Lower Upper

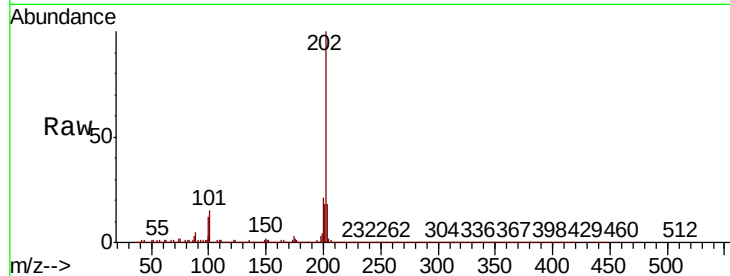
202 100

101 14.7 10.3 15.5

100 11.9 7.9 11.9#

Manual Integrations
APPROVED

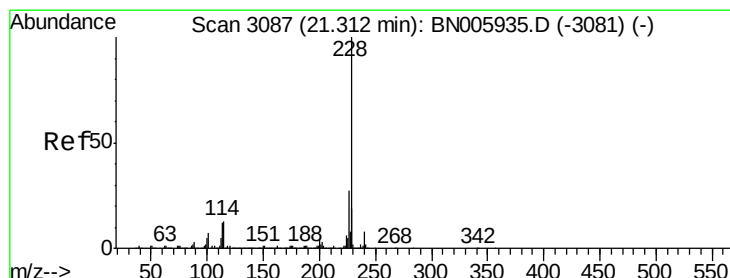
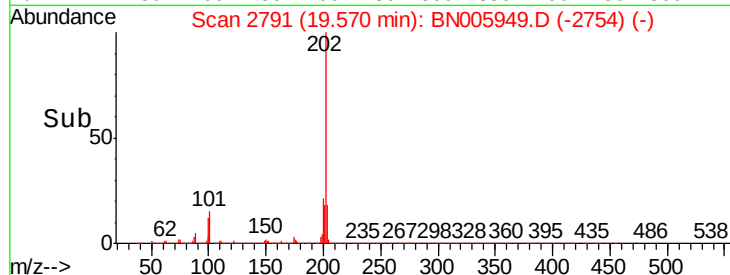
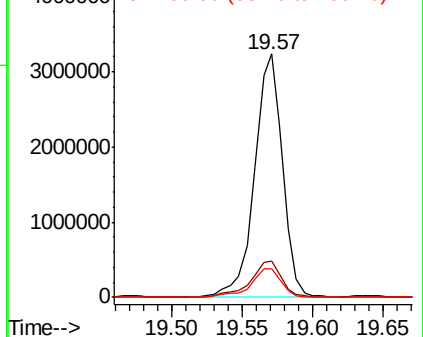
mohammad
5/30/2019 1:29:20 PM



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



#82

Benzo(a)anthracene

Concen: 15.983 ng/ul

RT: 21.32 min Scan# 3089

Delta R.T. 0.01 min

Lab File: BN005949.D

Acq: 30 May 2019 02:02

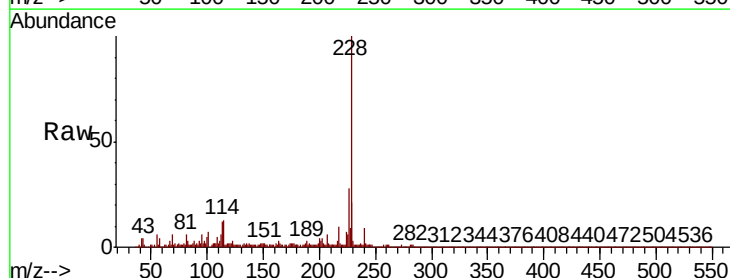
Tgt Ion:228 Resp: 2013498

Ion Ratio Lower Upper

228 100

229 21.3 15.8 23.6

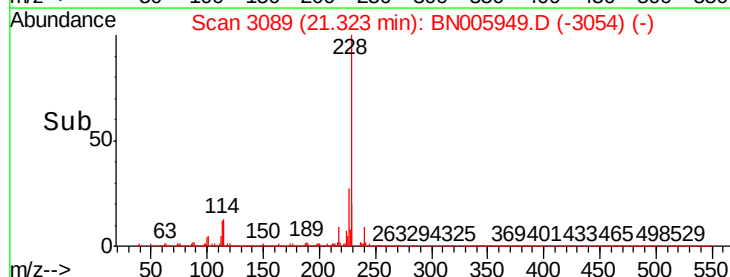
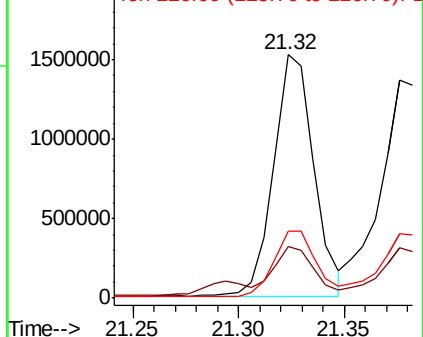
226 27.6 21.4 32.2

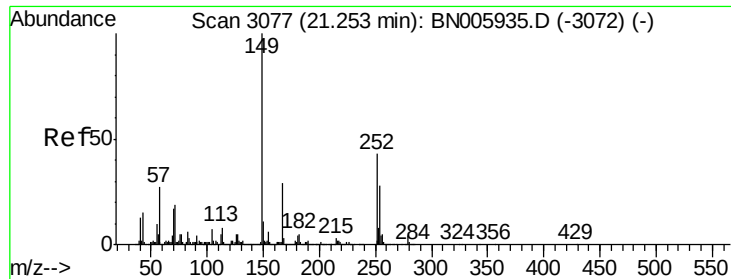


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





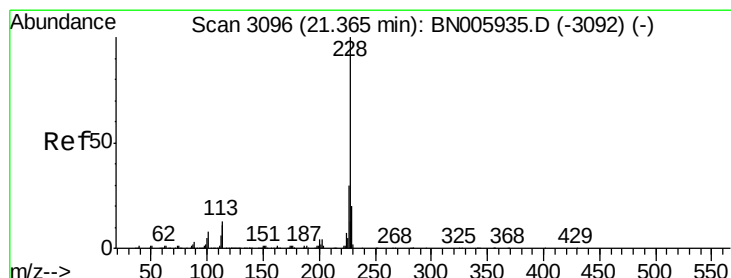
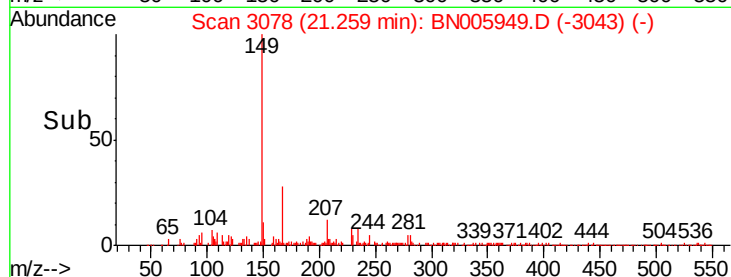
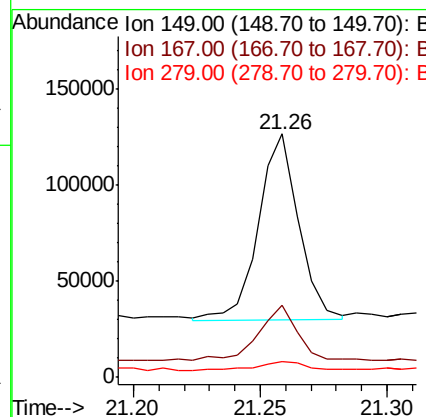
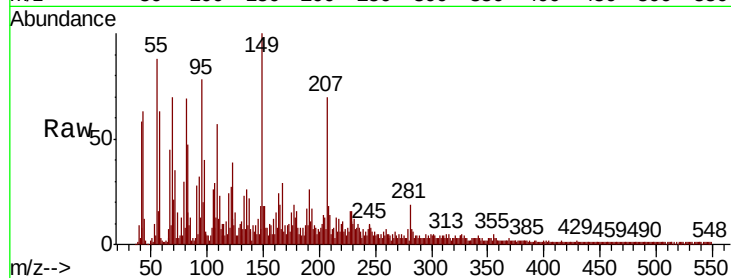
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 1.297 ng/ul
 RT: 21.26 min Scan# 3078
 Delta R.T. 0.01 min
 Lab File: BN005949.D
 Acq: 30 May 2019 02:02

Instrument :
 BNA_N
 ClientSampleId :
 A42C4

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.4	22.3	33.5
279	6.7	3.3	4.9

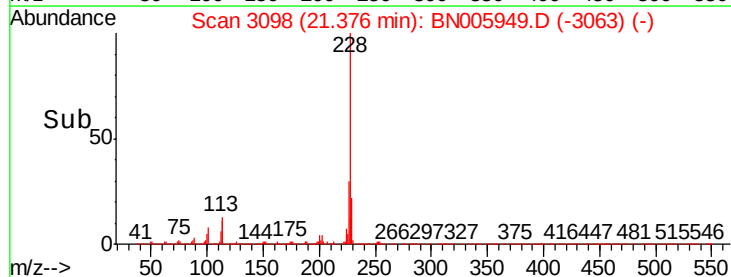
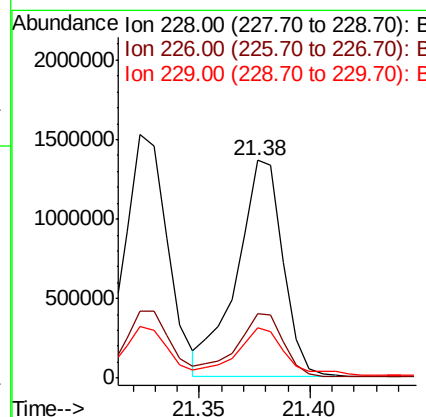
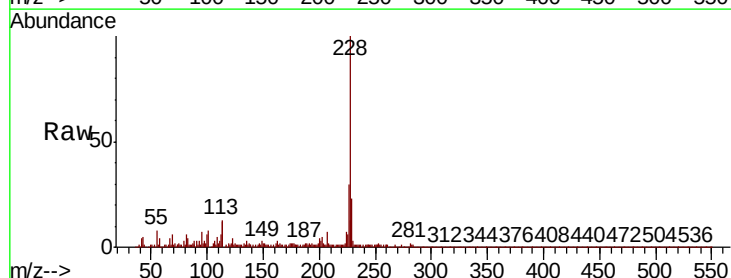
Manual Integrations
 APPROVED

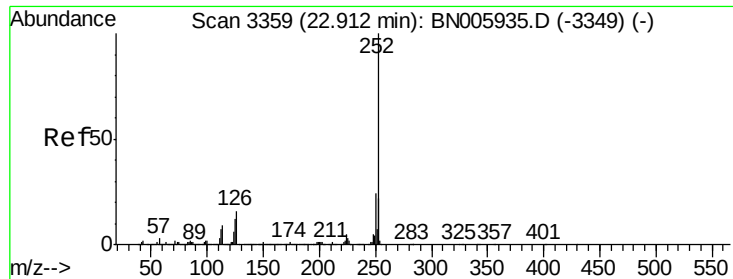
mohammad
 5/30/2019 1:29:20 PM



#84
 Chrysene
 Concen: 16.998 ng/ul m
 RT: 21.38 min Scan# 3098
 Delta R.T. 0.01 min
 Lab File: BN005949.D
 Acq: 30 May 2019 02:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.0	36.0
229	23.1	15.4	23.0





#87

Benzo(b)fluoranthene

Concen: 17.138 ng/ul

RT: 22.94 min Scan# 3363

Delta R.T. 0.02 min

Lab File: BN005949.D

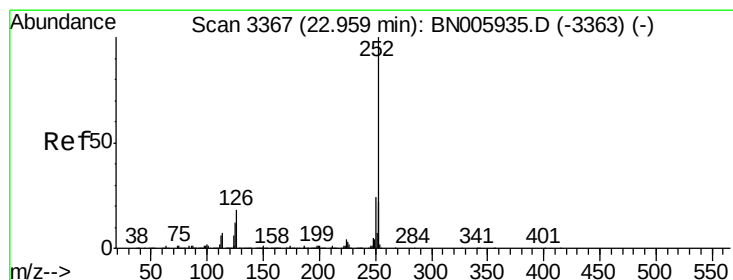
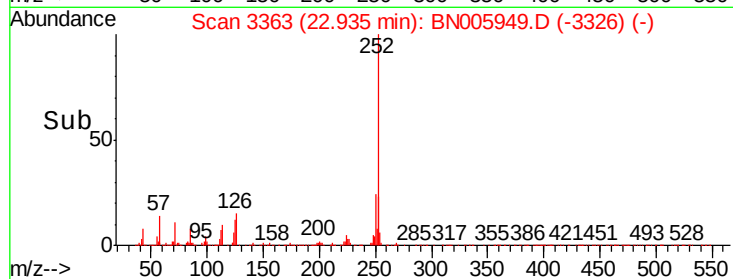
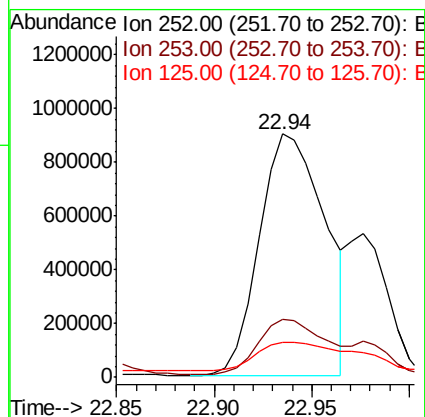
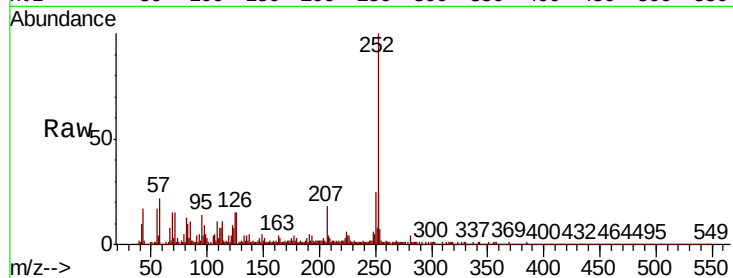
Acq: 30 May 2019 02:02

Instrument :
BNA_N
ClientSampleId :
A42C4

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.7	26.5
125	14.6	8.4	12.6

Manual Integrations
APPROVED

mohammad
5/30/2019 1:29:20 PM



#88

Benzo(k)fluoranthene

Concen: 6.560 ng/ul m

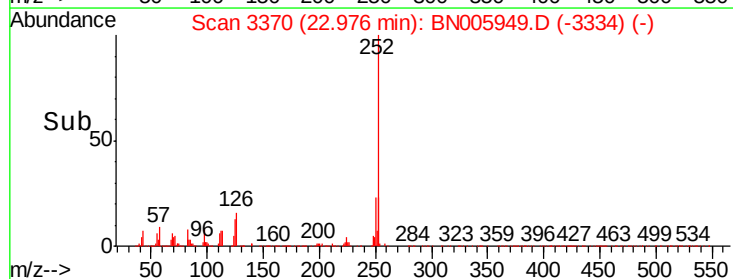
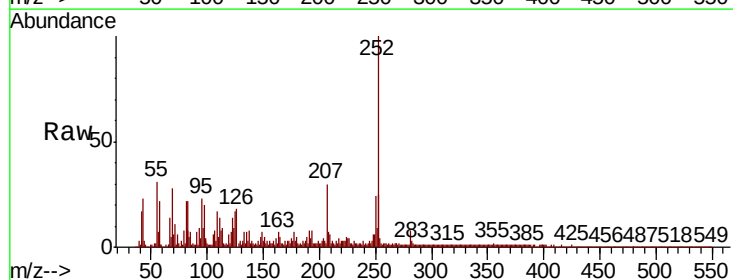
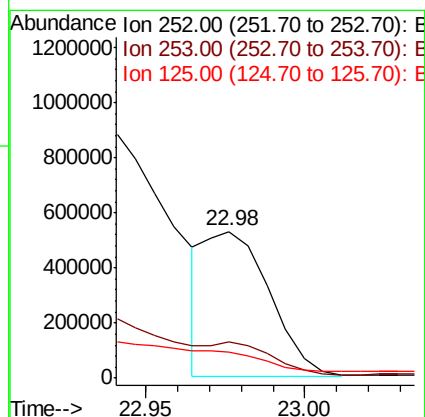
RT: 22.98 min Scan# 3370

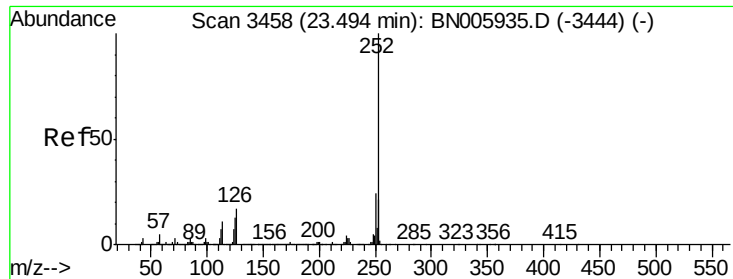
Delta R.T. 0.01 min

Lab File: BN005949.D

Acq: 30 May 2019 02:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.4	26.0
125	17.4	7.5	11.3





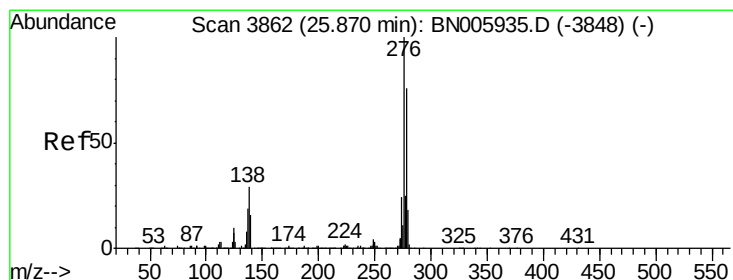
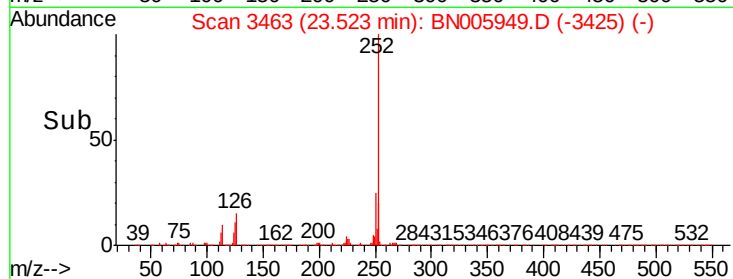
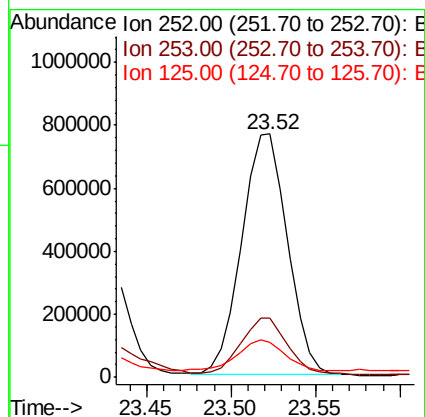
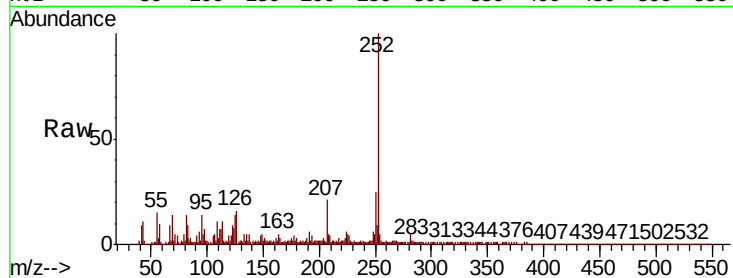
#90
Benzo(a)pyrene
Concen: 12.562 ng/ul
RT: 23.52 min Scan# 3463
Delta R.T. 0.03 min
Lab File: BN005949.D
Acq: 30 May 2019 02:02

Instrument :
BNA_N
ClientSampled :
A42C4

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.3	25.9
125	14.5	8.6	13.0

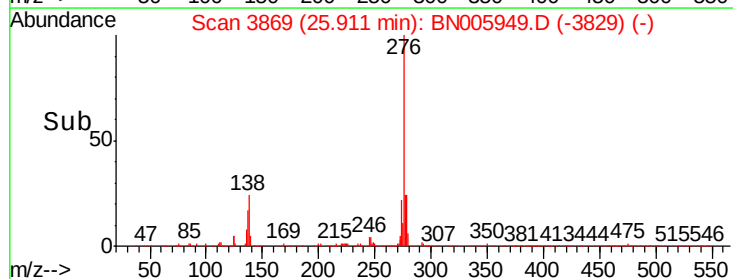
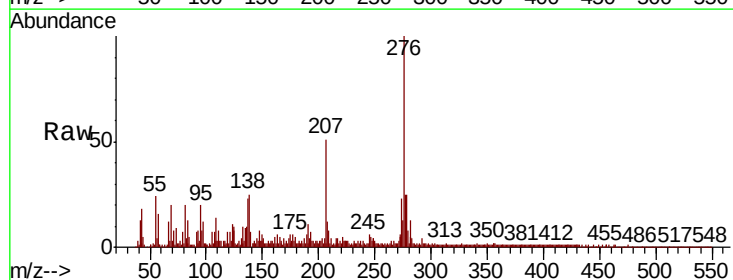
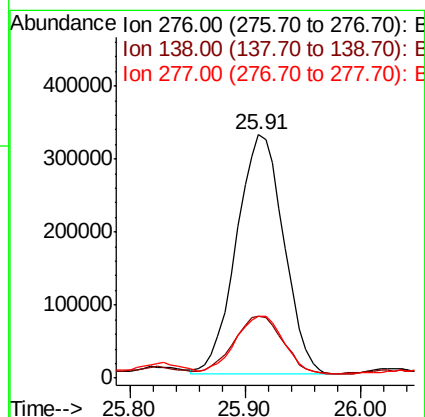
Manual Integrations
APPROVED

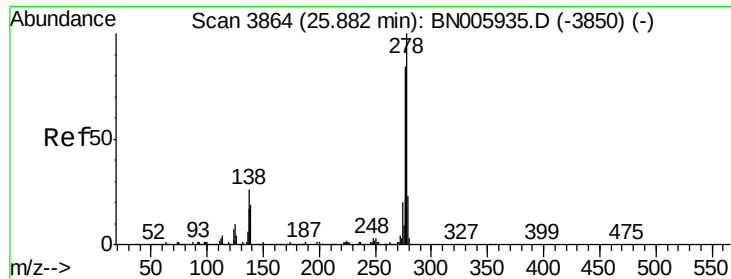
mohammad
5/30/2019 1:29:20 PM



#91
Indeno(1,2,3-cd)pyrene
Concen: 6.882 ng/ul
RT: 25.91 min Scan# 3869
Delta R.T. 0.04 min
Lab File: BN005949.D
Acq: 30 May 2019 02:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.4	17.9	26.9
277	25.4	19.7	29.5





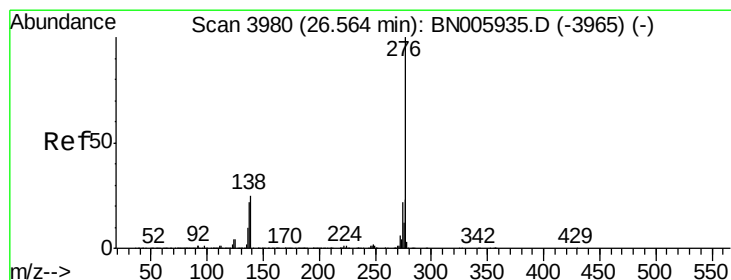
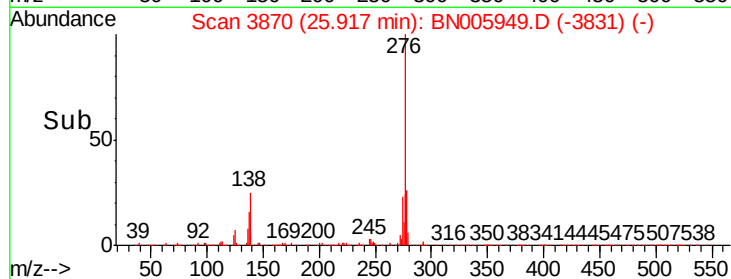
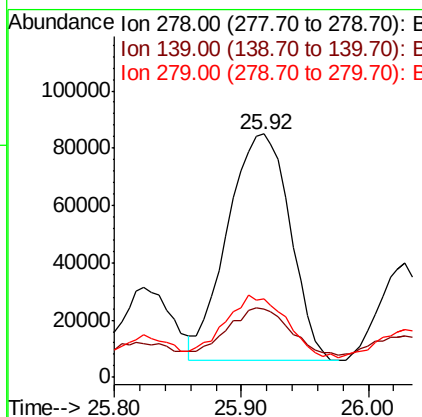
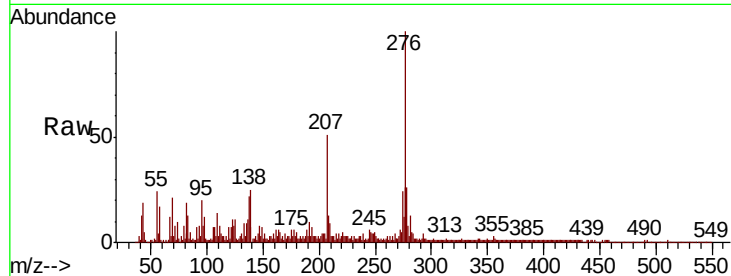
#92
Dibenzo(a,h)anthracene
Concen: 2.415 ng/ul
RT: 25.92 min Scan# 3870
Delta R.T. 0.03 min
Lab File: BN005949.D
Acq: 30 May 2019 02:02

Instrument :
BNA_N
ClientSampleId :
A42C4

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.8	13.1	19.7#
279	32.1	19.4	29.0#

Manual Integrations
APPROVED

mohammad
5/30/2019 1:29:20 PM



#93
Benzo(g,h,i)perylene
Concen: 6.324 ng/ul
RT: 26.62 min Scan# 3990
Delta R.T. 0.05 min
Lab File: BN005949.D
Acq: 30 May 2019 02:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.2	16.7	25.1#
277	25.7	18.2	27.2

