

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN053119\
 Data File : BN005986.D
 Acq On : 31 May 2019 18:53
 Operator : JU/SJ
 Sample : K2923-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4258

Manual Integrations
 APPROVED

mohammad
 6/5/2019 6:11:08 AM

Quant Time: Jun 01 02:16:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jun 01 01:49:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	478192	20.00	ng/ul	0.00
18) Naphthalene-d8	10.54	136	2017108	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.40	164	1047568	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.15	188	1817988	20.00	ng/ul	0.00
77) Chrysene-d12	21.38	240	1181226	20.00	ng/ul	0.00
85) Perylene-d12	23.68	264	1396663	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	63703	5.86	ng/uL	0.00
5) Phenol-d5	6.91	99	1418645	33.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	794032	32.84	ng/ul	0.00
9) 2-Chlorophenol-d4	7.28	132	1139153	35.28	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	1091507	31.90	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	558355	43.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	624934	51.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.16	165	1098915	38.60	ng/ul	0.00
29) 4-Chloroaniline-d4	10.67	131	449808	12.05	ng/ul	0.00
43) Dimethylphthalate-d6	13.81	166	2935493	38.01	ng/ul	0.00
46) Acenaphthylene-d8	14.09	160	3684691	38.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.61	143	381774	27.16	ng/ul	0.00
57) Fluorene-d10	15.40	176	2311905	35.70	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	247219	33.36	ng/ul	0.00
70) Anthracene-d10	17.25	188	2954065	38.18	ng/ul	0.00
78) Pyrene-d10	19.56	212	2506644	42.02	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.53	264	2393929	38.41	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.94	94	58799	1.346	ng/ul	92
44) Dimethylphthalate	13.85	163	1141824	14.793	ng/ul	100
47) Acenaphthylene	14.12	152	176029	1.858	ng/ul	98
58) Fluorene	15.45	166	76942	1.078	ng/ul	100
69) Phenanthrene	17.20	178	1433851	15.918	ng/ul	100
71) Anthracene	17.29	178	406803	4.448	ng/ul	100
74) Carbazole	17.56	167	112273	1.363	ng/ul	97
76) Fluoranthene	19.22	202	2412409	25.088	ng/ul	97
79) Pyrene	19.59	202	2206766	29.492	ng/ul	98
82) Benzo(a)anthracene	21.36	228	1070576	14.418	ng/ul	94
84) Chrysene	21.41	228	1096901	15.839	ng/ul	97
87) Benzo(b)fluoranthene	22.99	252	1433246	18.270	ng/ul#	93
88) Benzo(k)fluoranthene	23.02	252	448293m	6.215	ng/ul	
90) Benzo(a)pyrene	23.58	252	1037084	14.019	ng/ul#	93
91) Indeno(1,2,3-cd)pyrene	26.00	276	737584	8.497	ng/ul	94
92) Dibenzo(a,h)anthracene	26.00	278	203619	2.817	ng/ul#	65
93) Benzo(g,h,i)perylene	26.71	276	629656	8.612	ng/ul	92

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

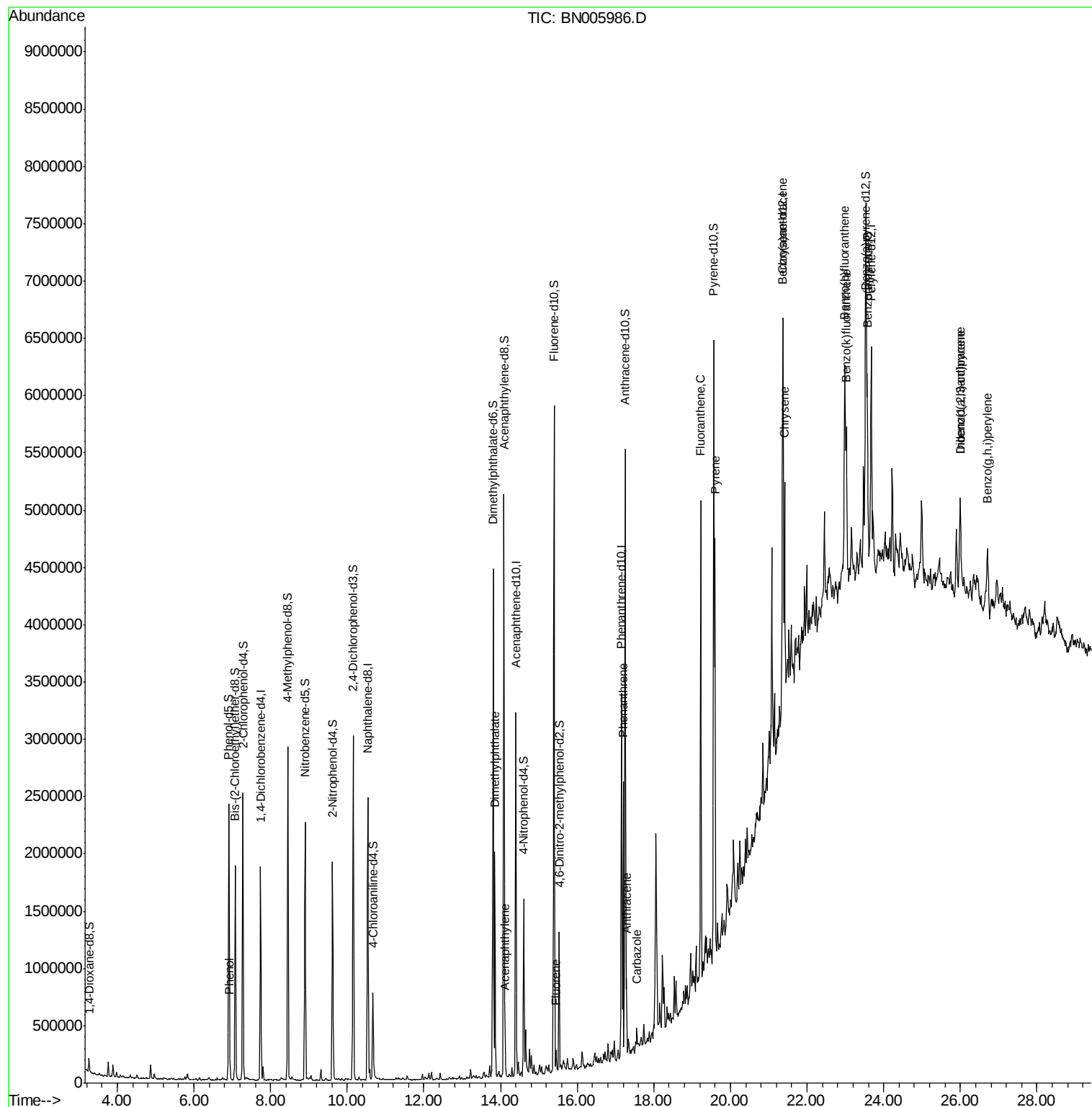
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN053119\
Data File : BN005986.D
Acq On : 31 May 2019 18:53
Operator : JU/SJ
Sample : K2923-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

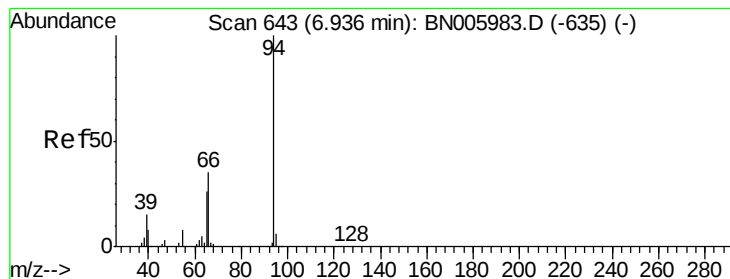
Instrument :
BNA_N
ClientSampled :
A4258

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jun 01 01:49:29 2019
Response via : Initial Calibration





#6

Phenol

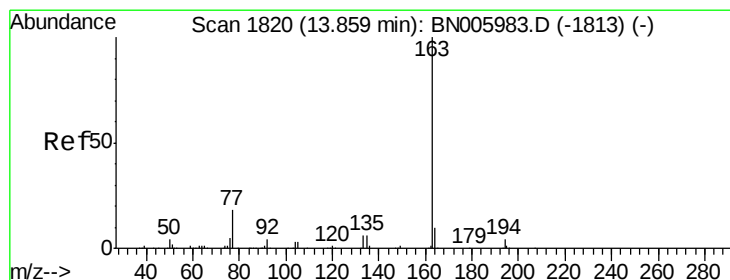
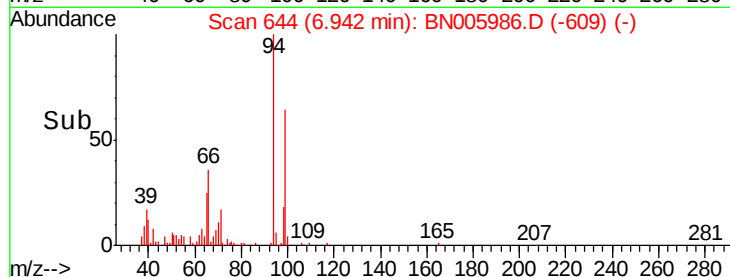
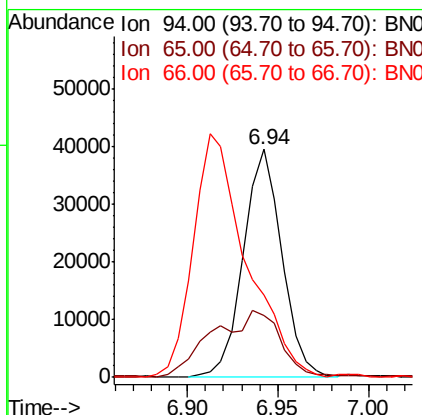
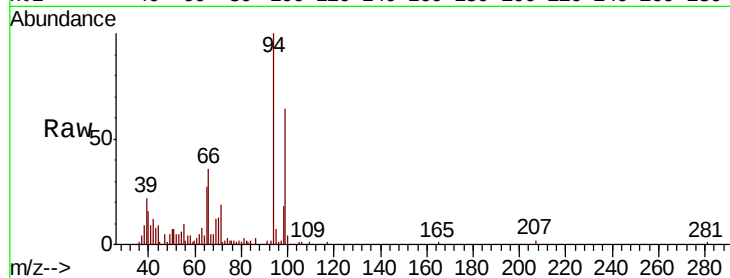
Concen: 1.346 ng/ul
RT: 6.94 min Scan# 644
Delta R.T. 0.01 min
Lab File: BN005986.D
Acq: 31 May 2019 18:53

Instrument :
BNA_N
ClientSampled :
A4258

Tot Ion	Ratio	Lower	Upper
94	100		
65	26.9	24.2	36.4
66	36.4	33.8	50.6

Manual Integrations
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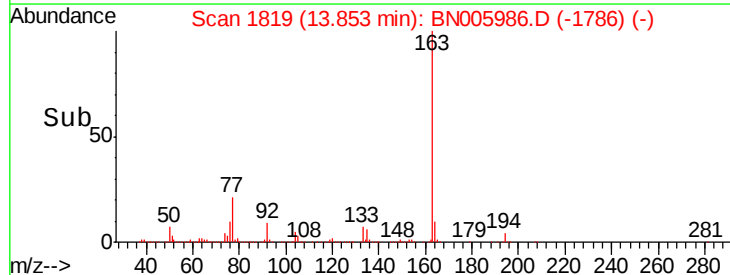
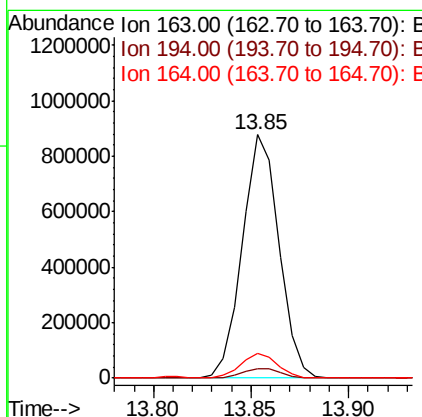
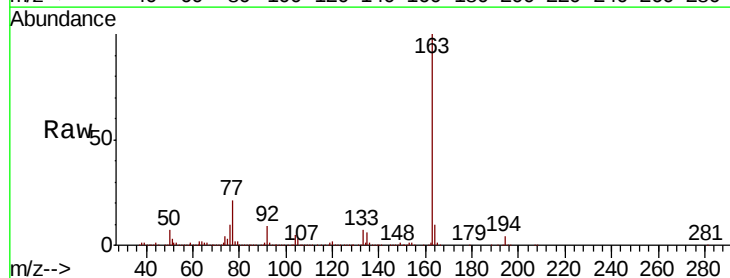


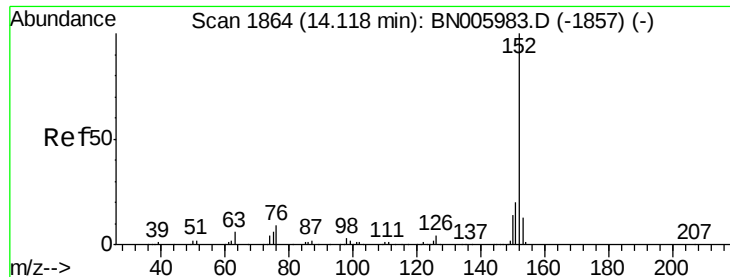
#44

Dimethylphthalate

Concen: 14.793 ng/ul
RT: 13.85 min Scan# 1819
Delta R.T. -0.01 min
Lab File: BN005986.D
Acq: 31 May 2019 18:53

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.0
164	10.0	8.1	12.1





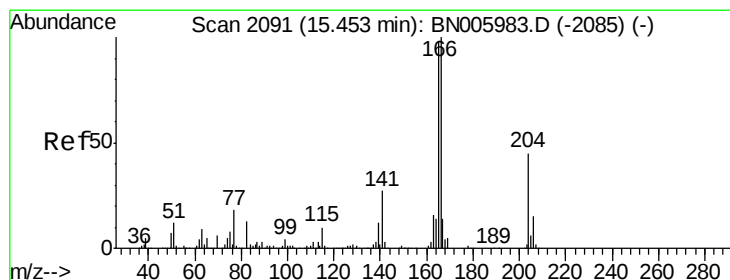
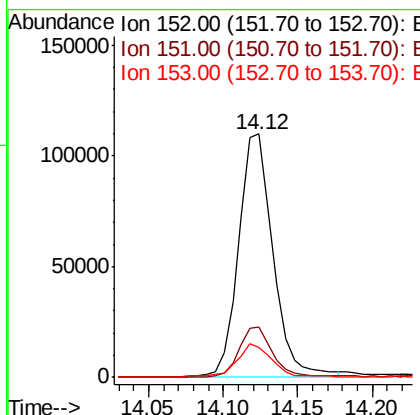
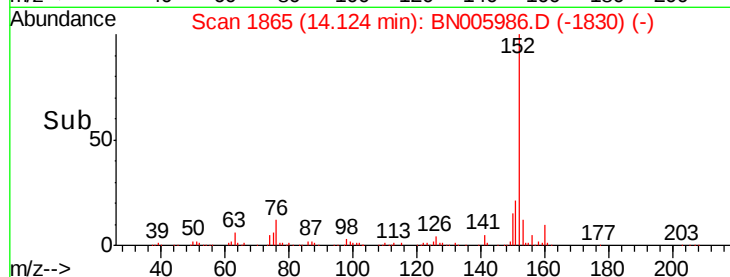
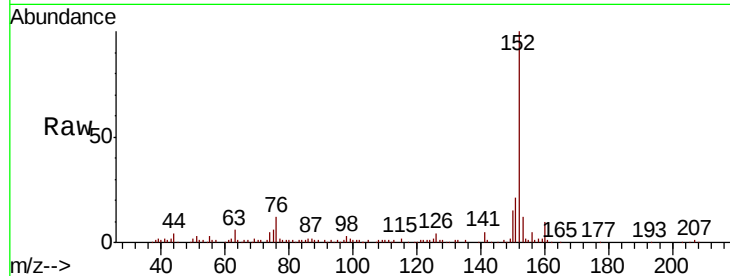
#47
Acenaphthylene
Concen: 1.858 ng/ul
RT: 14.12 min Scan# 1865
Delta R.T. 0.01 min
Lab File: BN005986.D
Acq: 31 May 2019 18:53

Instrument :
BNA_N
ClientSampleId :
A4258

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.9	15.8	23.8
153	12.4	9.8	14.8

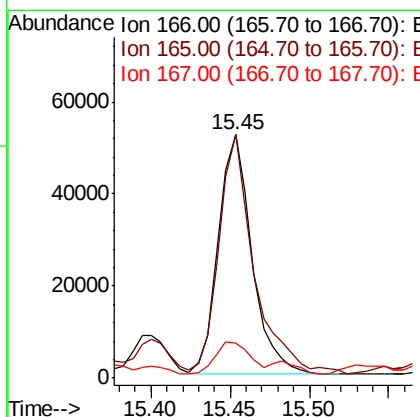
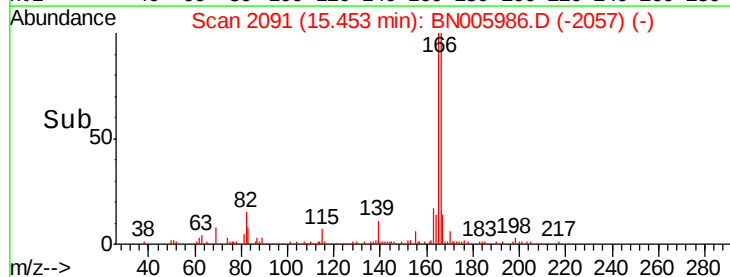
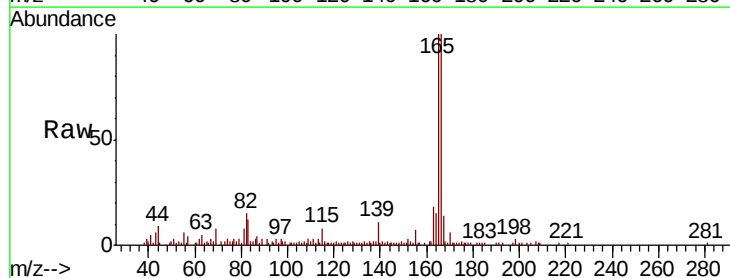
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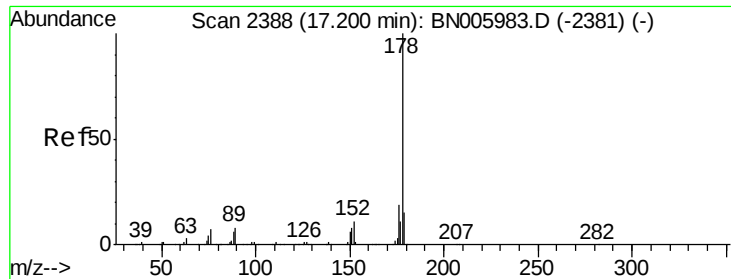
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#58
Fluorene
Concen: 1.078 ng/ul
RT: 15.45 min Scan# 2091
Delta R.T. 0.00 min
Lab File: BN005986.D
Acq: 31 May 2019 18:53

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.2	80.0	120.0
167	14.4	10.7	16.1





#69

Phenanthrene

Concen: 15.918 ng/ul

RT: 17.20 min Scan# 2388

Delta R.T. 0.00 min

Lab File: BN005986.D

Acq: 31 May 2019 18:53

Instrument :

BNA_N

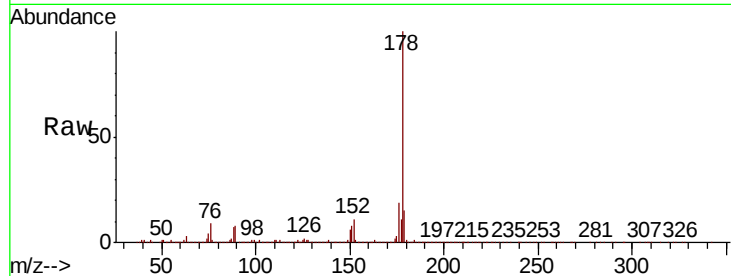
ClientSampled :

A4258

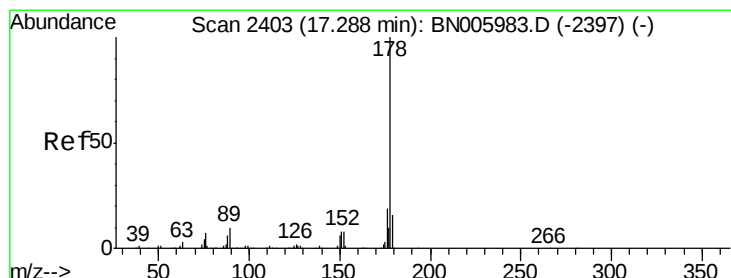
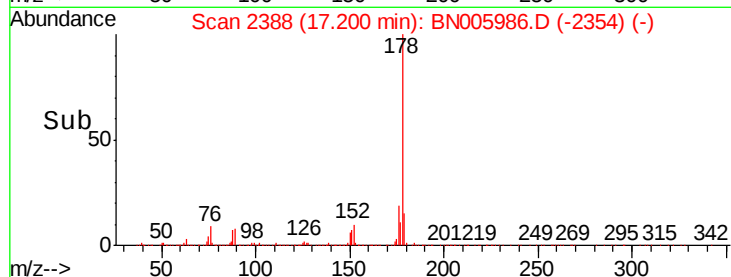
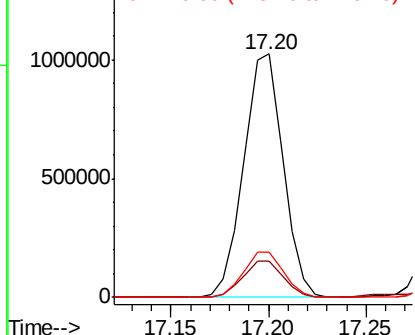
Tot Ion:178	Resp: 1433851
Ion Ratio	Lower Upper
178 100	
179 15.0	12.2 18.4
176 18.8	15.1 22.7

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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: 4.448 ng/ul

RT: 17.29 min Scan# 2403

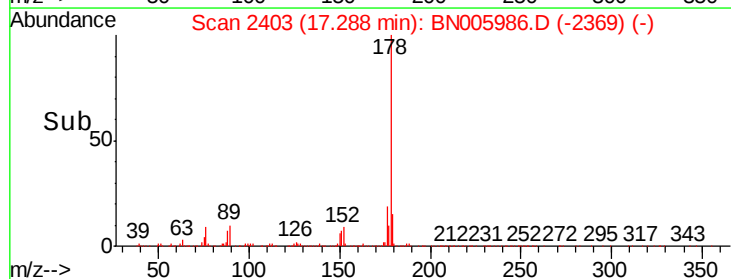
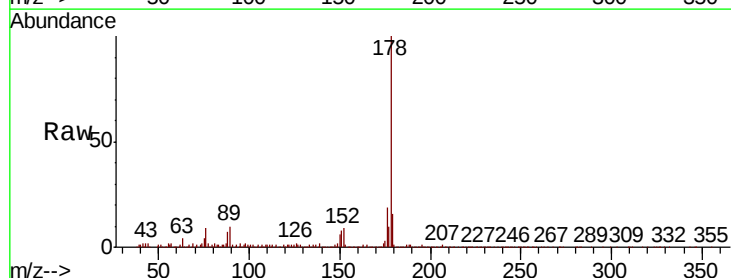
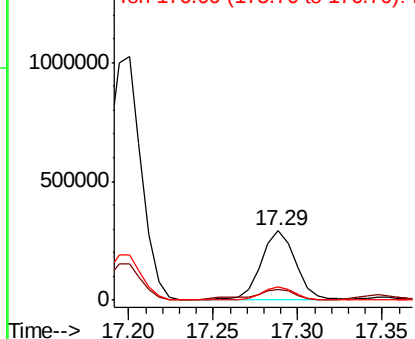
Delta R.T. -0.00 min

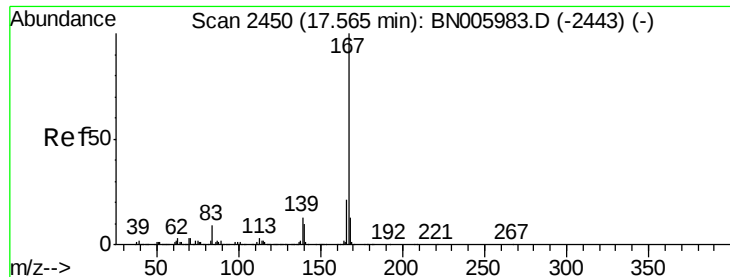
Lab File: BN005986.D

Acq: 31 May 2019 18:53

Tgt Ion:178	Resp: 406803
Ion Ratio	Lower Upper
178 100	
179 15.5	12.3 18.5
176 18.8	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





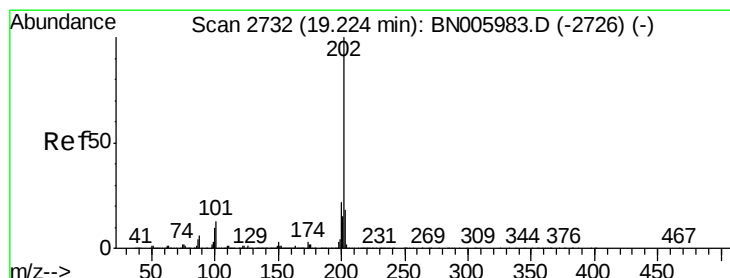
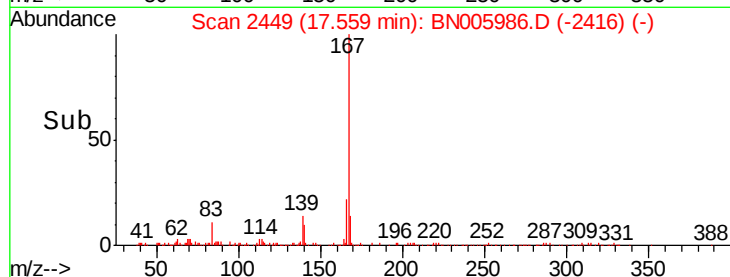
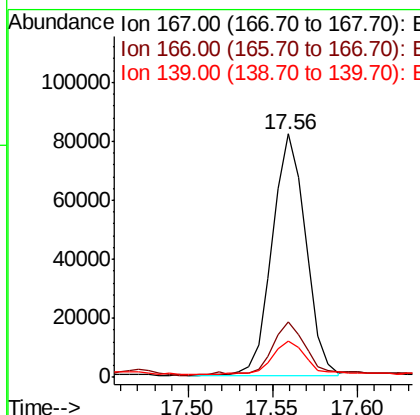
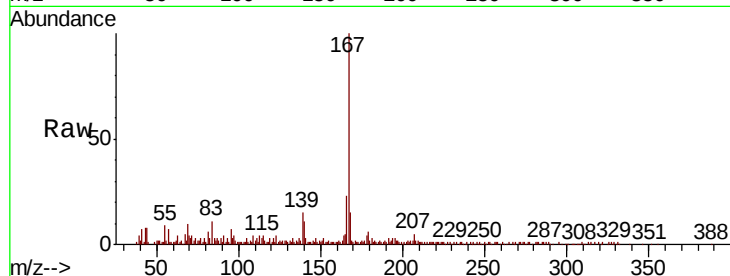
#74
 Carbazole
 Concen: 1.363 ng/ul
 RT: 17.56 min Scan# 2449
 Delta R.T. -0.01 min
 Lab File: BN005986.D
 Acq: 31 May 2019 18:53

Instrument :
 BNA_N
 ClientSampled :
 A4258

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.2	25.8
139	15.0	10.6	16.0

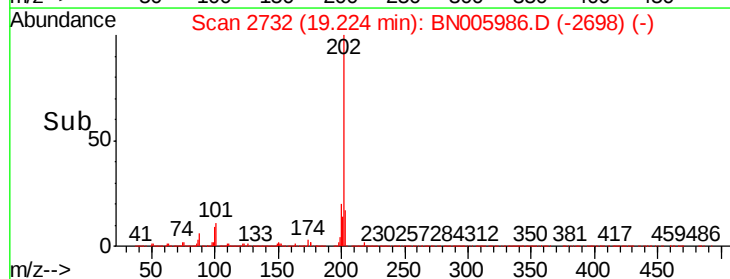
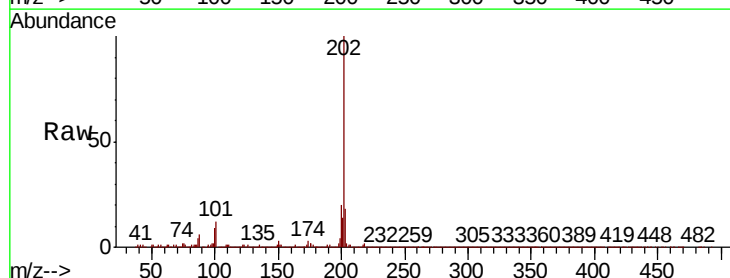
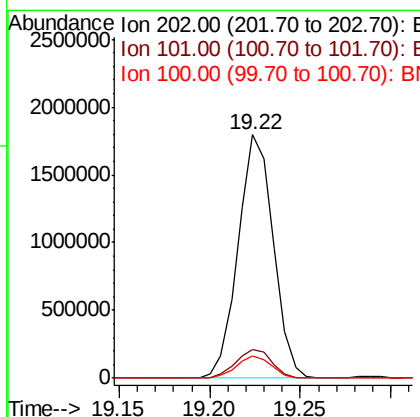
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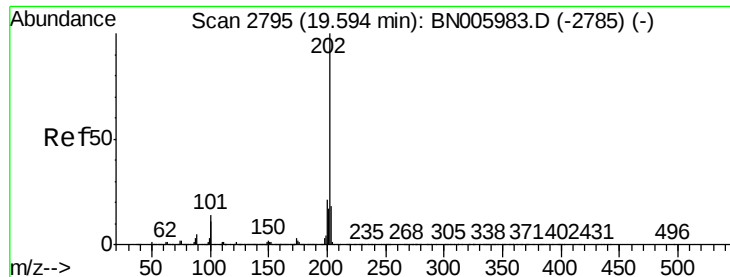
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#76
 Fluoranthene
 Concen: 25.088 ng/ul
 RT: 19.22 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: BN005986.D
 Acq: 31 May 2019 18:53

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.9	8.6	12.8
100	8.9	6.3	9.5





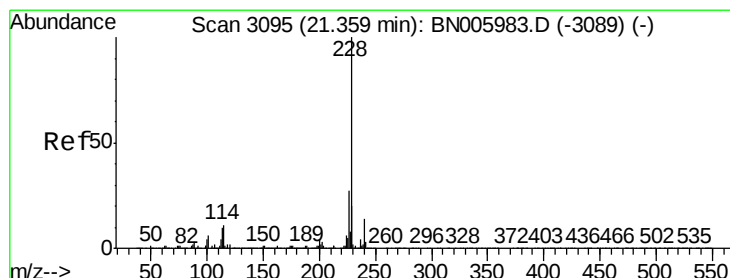
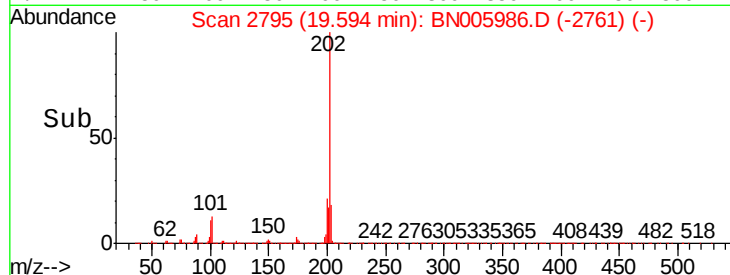
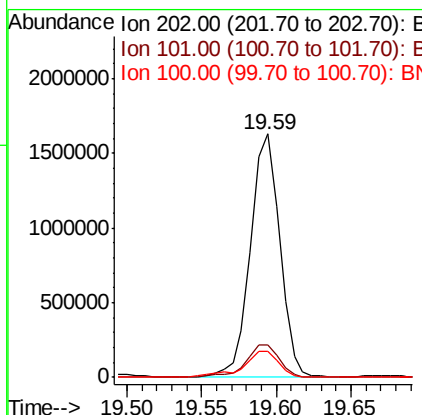
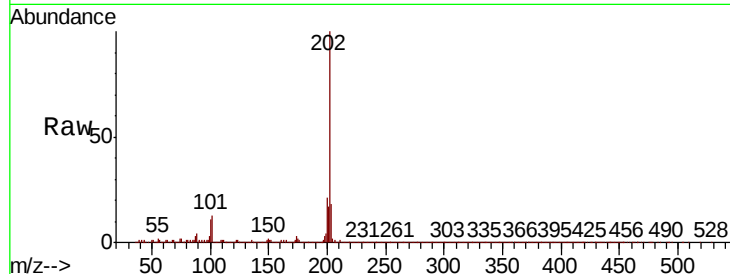
#79
Pvrene
Concen: 29.492 ng/ul
RT: 19.59 min Scan# 2795
Delta R.T. 0.00 min
Lab File: BN005986.D
Acq: 31 May 2019 18:53

Instrument :
BNA_N
ClientSampleId :
A4258

Tot Ion	Ratio	Lower	Upper
202	100		
101	13.2	10.3	15.5
100	10.9	7.9	11.9

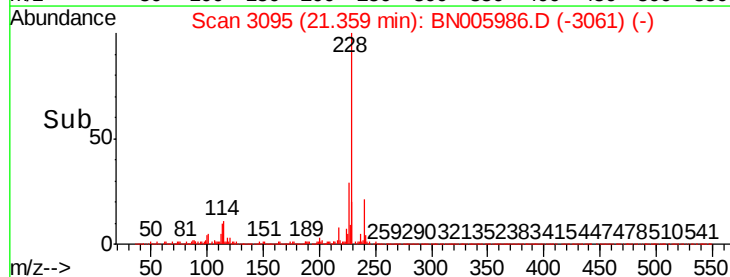
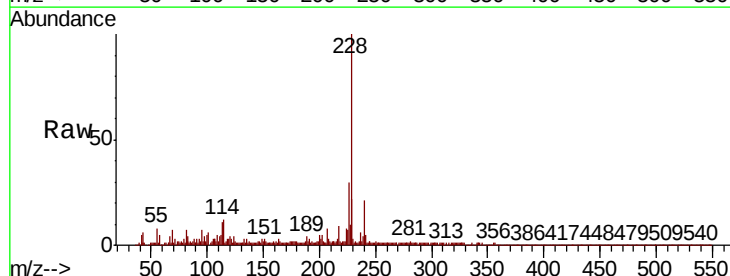
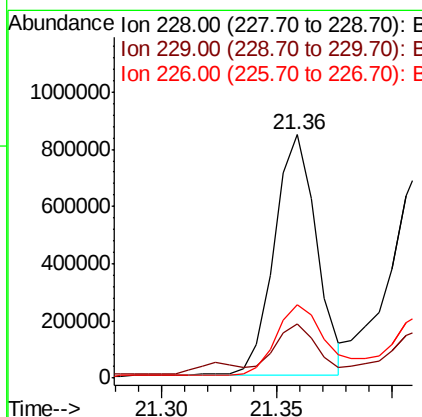
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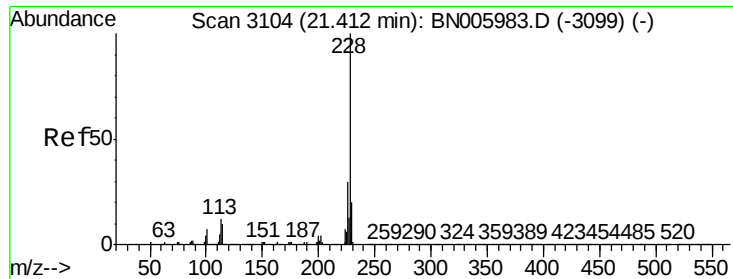
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#82
Benzo(a)anthracene
Concen: 14.418 ng/ul
RT: 21.36 min Scan# 3095
Delta R.T. 0.00 min
Lab File: BN005986.D
Acq: 31 May 2019 18:53

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.1	15.8	23.6
226	30.3	21.4	32.2





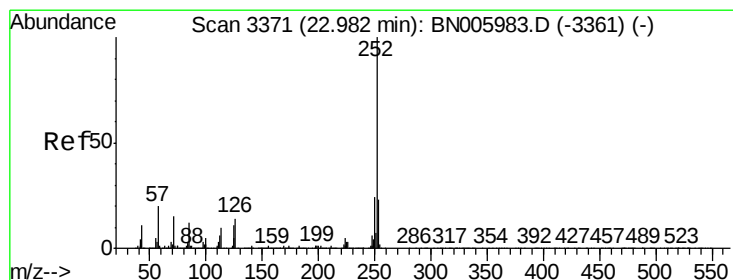
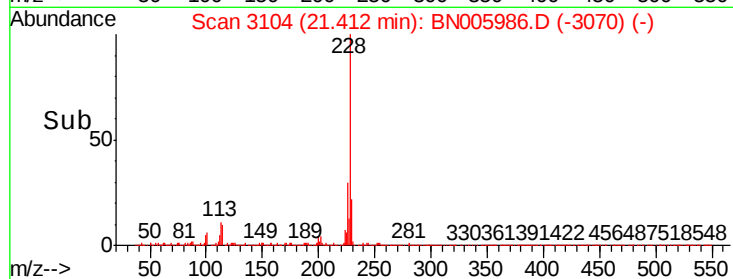
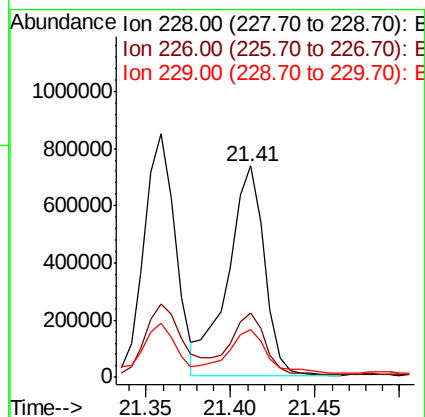
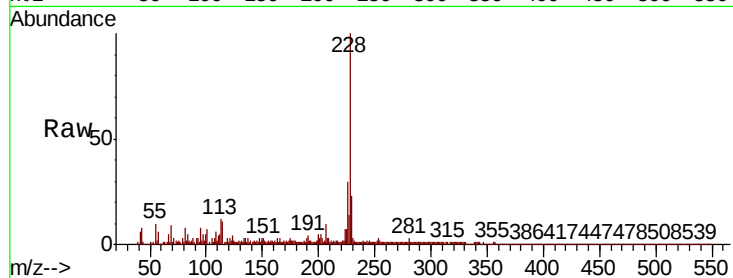
#84
Chrysene
Concen: 15.839 ng/ul
RT: 21.41 min Scan# 3104
Delta R.T. -0.00 min
Lab File: BN005986.D
Acq: 31 May 2019 18:53

Instrument :
BNA_N
ClientSampled :
A4258

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	22.9	15.4	23.0

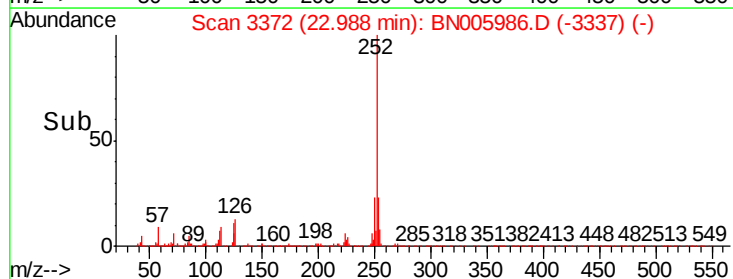
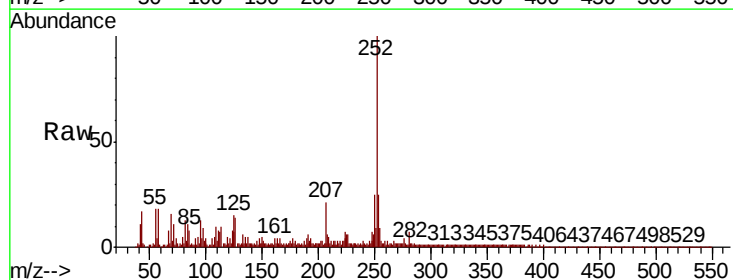
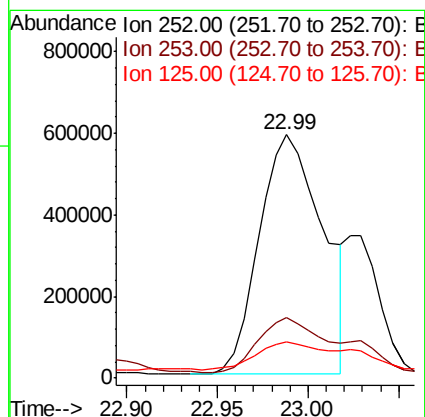
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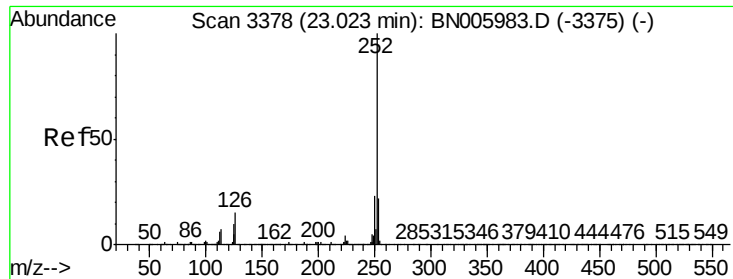
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#87
Benzo(b)fluoranthene
Concen: 18.270 ng/ul
RT: 22.99 min Scan# 3372
Delta R.T. 0.01 min
Lab File: BN005986.D
Acq: 31 May 2019 18:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.7	26.5
125	14.7	8.4	12.6#





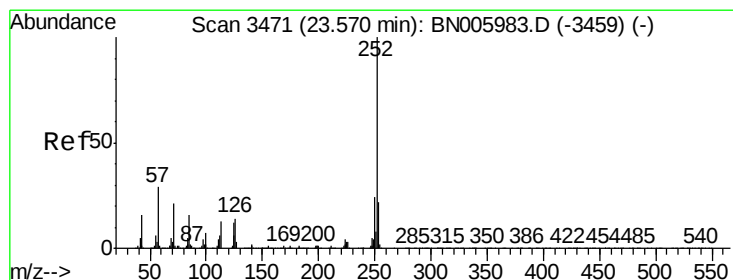
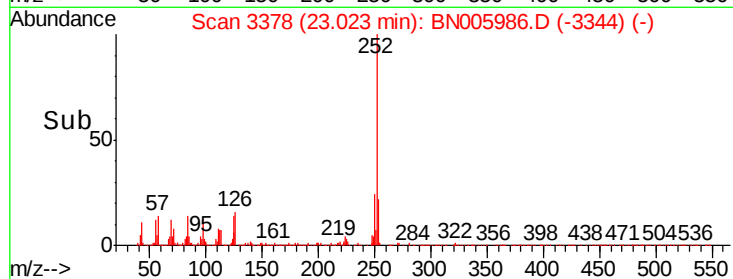
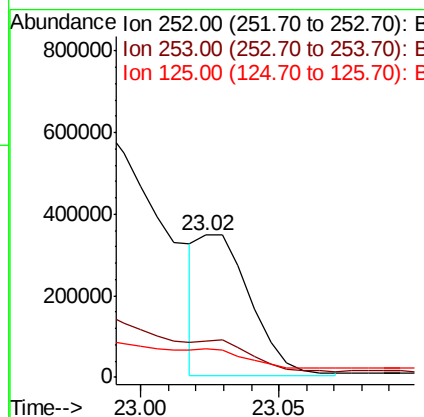
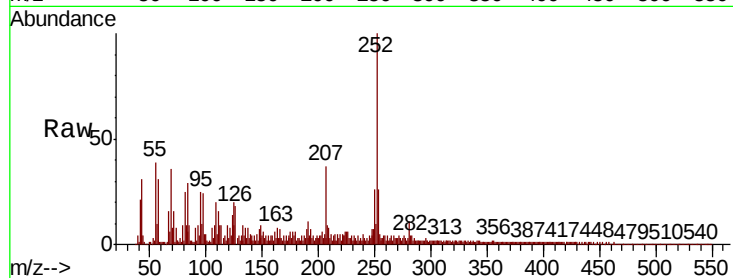
#88
Benzo(k)fluoranthene
Concen: 6.215 ng/ul m
RT: 23.02 min Scan# 3378
Delta R.T. 0.00 min
Lab File: BN005986.D
Acq: 31 May 2019 18:53

Instrument :
BNA_N
ClientSampleId :
A4258

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	25.6	17.4	26.0
125	19.9	7.5	11.3#

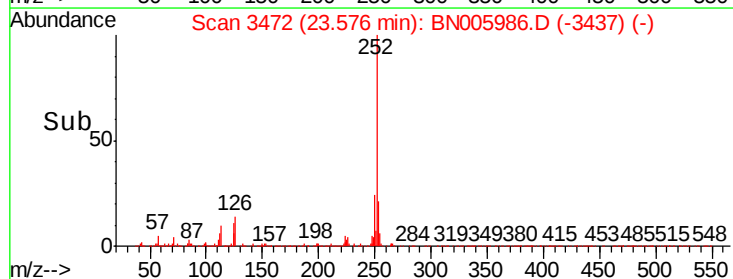
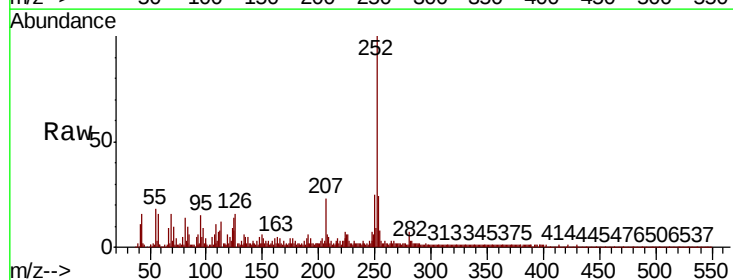
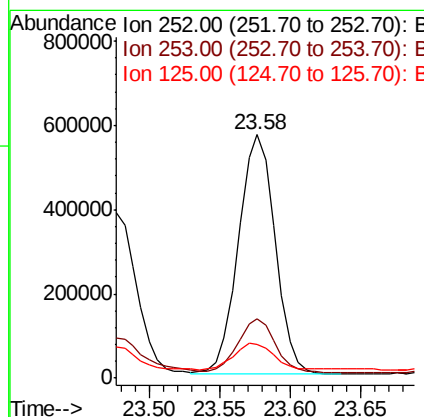
Manual Integrations
APPROVED

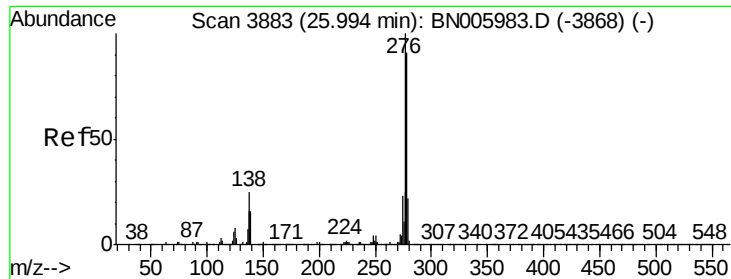
mohammad
6/5/2019 6:11:08 AM



#90
Benzo(a)pyrene
Concen: 14.019 ng/ul
RT: 23.58 min Scan# 3472
Delta R.T. 0.01 min
Lab File: BN005986.D
Acq: 31 May 2019 18:53

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.3	17.3	25.9
125	14.0	8.6	13.0#





#91

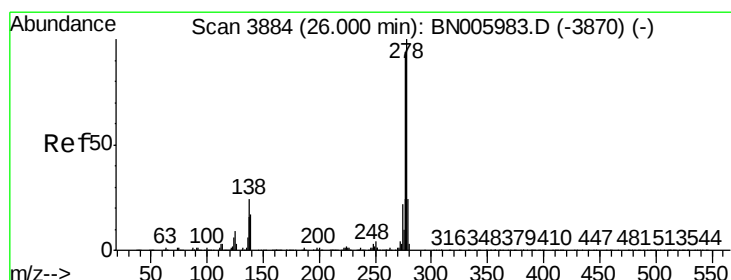
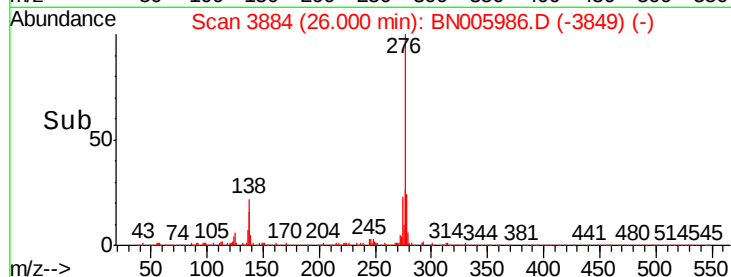
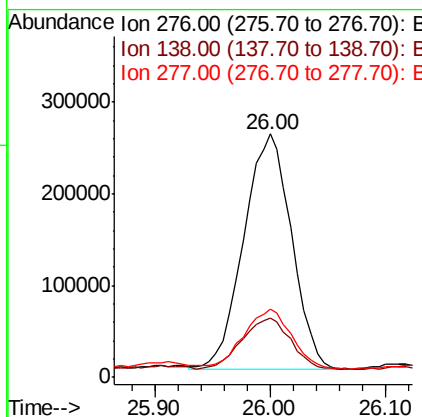
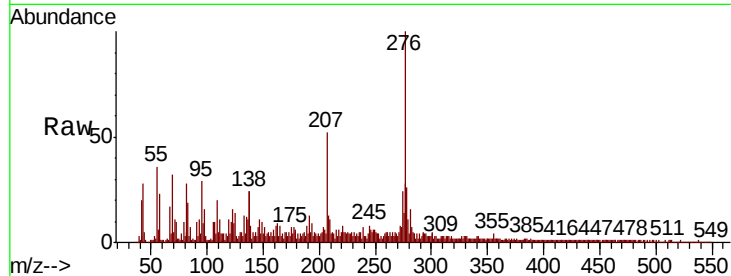
Indeno(1,2,3-cd)pyrene
Concen: 8.497 ng/ul
RT: 26.00 min Scan# 3884
Delta R.T. 0.01 min
Lab File: BN005986.D
Acq: 31 May 2019 18:53

Instrument :
BNA_N
ClientSampleId :
A4258

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.4	17.9	26.9
277	28.3	19.7	29.5

Manual Integrations
APPROVED

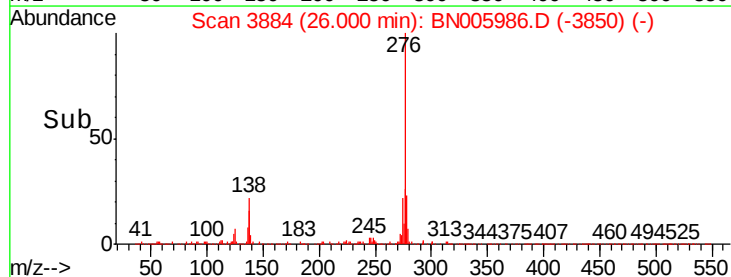
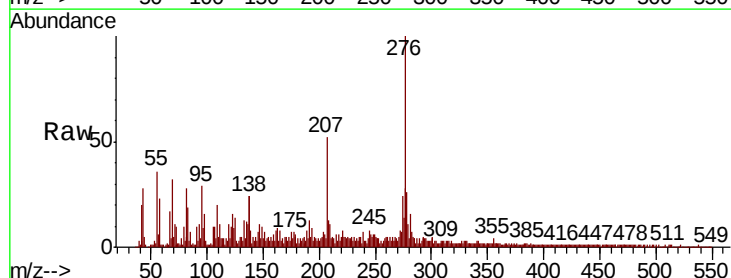
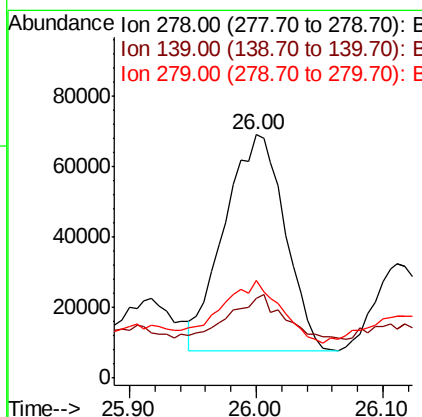
mohammad
6/5/2019 6:11:08 AM

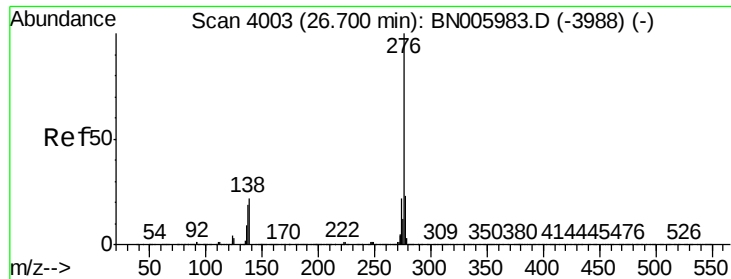


#92

Dibenzo(a,h)anthracene
Concen: 2.817 ng/ul
RT: 26.00 min Scan# 3884
Delta R.T. 0.00 min
Lab File: BN005986.D
Acq: 31 May 2019 18:53

Tgt Ion	Ratio	Lower	Upper
278	100		
139	32.6	13.1	19.7#
279	40.4	19.4	29.0#





#93

Benzo(a,h,i)perylene

Concen: 8.612 ng/ul

RT: 26.71 min Scan# 4005

Delta R.T. 0.01 min

Lab File: BN005986.D

Acq: 31 May 2019 18:53

Instrument :

BNA_N

ClientSampleId :

A4258

Tot Ion:	276	Resp:	629656
Ion Ratio	Lower	Upper	
276	100		
138	25.0	16.7	25.1
277	26.3	18.2	27.2

Manual Integrations
APPROVED

mohammad
6/5/2019 6:11:08 AM

