

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050619\
 Data File : BN005486.D
 Acq On : 06 May 2019 10:45
 Operator : JU/SJ
 Sample : K2604-06DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ80DL

Manual Integrations
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 5/7/2019 3:12:51 PM

Quant Time: May 07 05:59:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 07 05:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	286950	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1218677	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	739601	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	1580647	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1008528	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	1097019	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	5204	0.88	ng/uL	0.00
5) Phenol-d5	6.78	99	112666	5.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	66852	4.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	96100	5.57	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	85015	4.83	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	50428	6.72	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	49903	6.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	95769	5.49	ng/ul	0.01
29) 4-Chloroaniline-d4	10.50	131	112638	6.27	ng/ul	0.00
43) Dimethylphthalate-d6	13.64	166	335358	6.25	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	407757	6.18	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	26546	3.13	ng/ul	0.02
57) Fluorene-d10	15.23	176	288963	6.41	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	3746	0.53	ng/ul	0.01
70) Anthracene-d10	17.08	188	450076	6.79	ng/ul	0.00
78) Pyrene-d10	19.40	212	397845	7.71	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	310672	6.48	ng/ul	0.01

Target Compounds

					Ovalue	
28) Naphthalene	10.40	128	1837627	32.436	ng/ul	99
34) 2-Methylnaphthalene	12.02	142	525385	12.665	ng/ul	97
40) 1,1'-Biphenyl	13.05	154	84453	1.533	ng/ul	98
44) Dimethylphthalate	13.69	163	79014	1.477	ng/ul	99
47) Acenaphthylene	13.95	152	429936	6.634	ng/ul	97
58) Fluorene	15.28	166	201537	4.055	ng/ul	98
69) Phenanthrene	17.03	178	932729	12.117	ng/ul	99
71) Anthracene	17.12	178	218745	2.789	ng/ul	99
76) Fluoranthene	19.06	202	312651	3.662	ng/ul#	94
79) Pyrene	19.43	202	428574m	6.600	ng/ul	
82) Benzo(a)anthracene	21.20	228	126565m	2.017	ng/ul	
84) Chrysene	21.26	228	104198	1.789	ng/ul	95
87) Benzo(b)fluoranthene	22.78	252	81058	1.314	ng/ul#	76
90) Benzo(a)pyrene	23.33	252	87038	1.502	ng/ul#	83

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

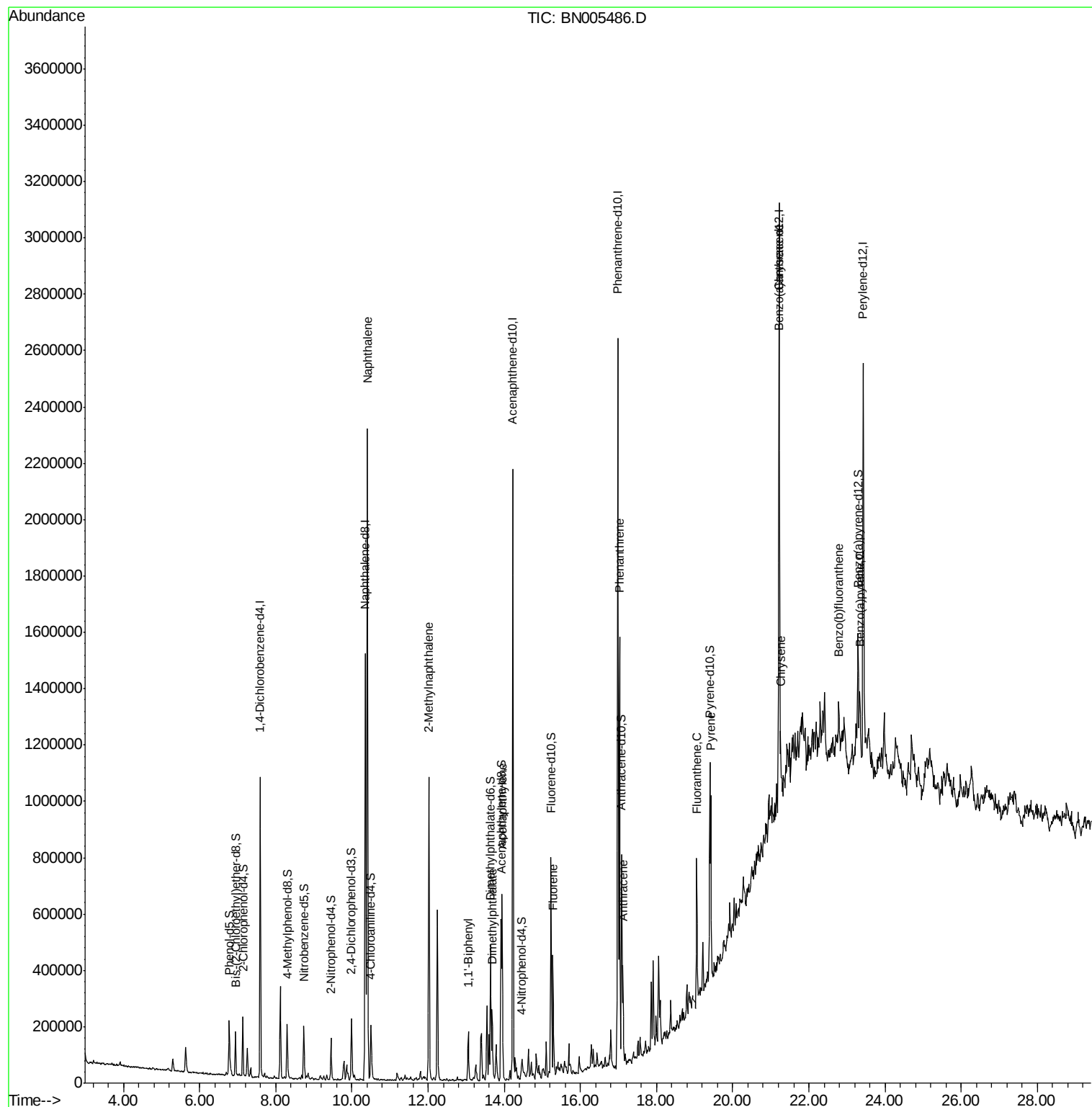
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050619\
Data File : BN005486.D
Acq On : 06 May 2019 10:45
Operator : JU/SJ
Sample : K2604-06DL 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

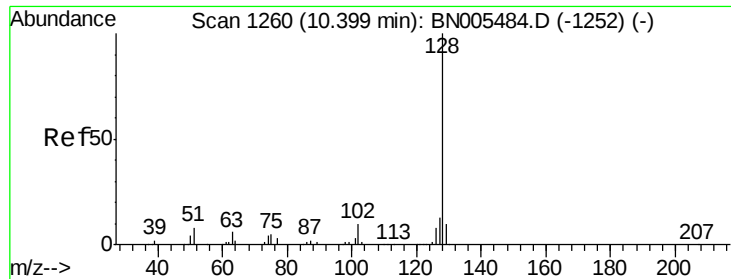
Instrument :
BNA_N
ClientSampleId :
GAJ80DL

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Quant Time: May 07 05:59:27 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration





#28

Naphthalene

Concen: 32.436 ng/ul

RT: 10.40 min Scan# 1261

Delta R.T. 0.01 min

Lab File: BN005486.D

Acq: 06 May 2019 10:45

Instrument :

BNA_N

ClientSampled :

GAJ80DL

Tot Ion:128 Resp: 1837627

Ion Ratio Lower Upper

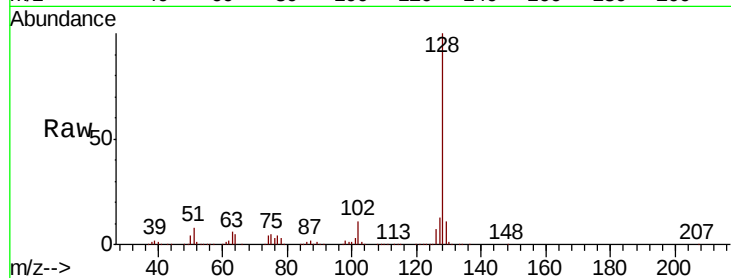
128 100

129 11.1 9.2 13.8

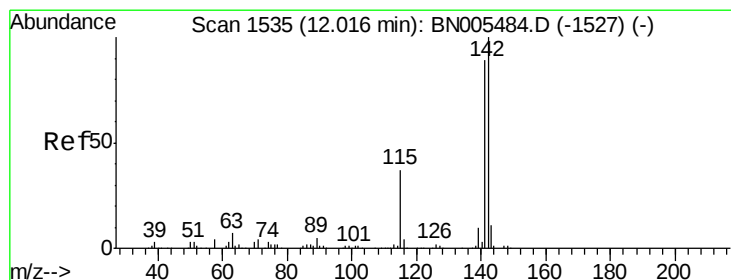
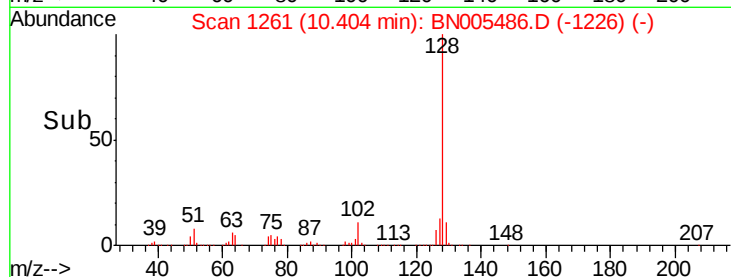
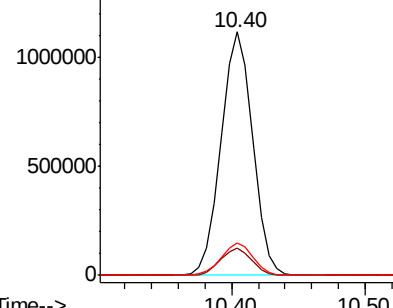
127 13.3 10.7 16.1

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Abundance Ion 128.00 (127.70 to 128.70): E
1500000 Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 12.665 ng/ul

RT: 12.02 min Scan# 1536

Delta R.T. 0.01 min

Lab File: BN005486.D

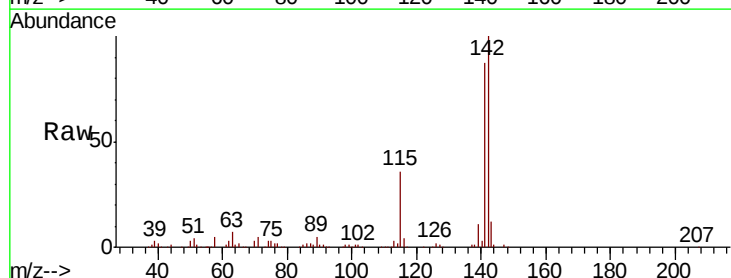
Acq: 06 May 2019 10:45

Tgt Ion:142 Resp: 525385

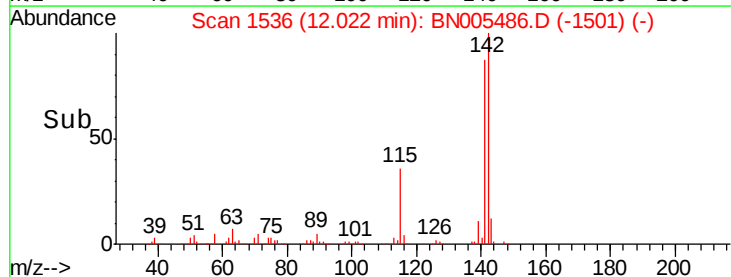
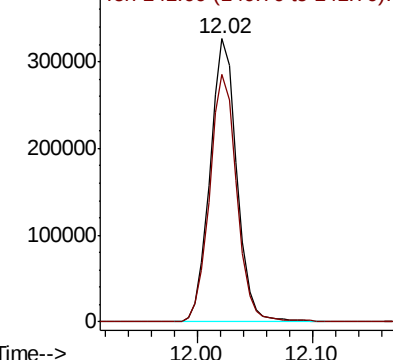
Ion Ratio Lower Upper

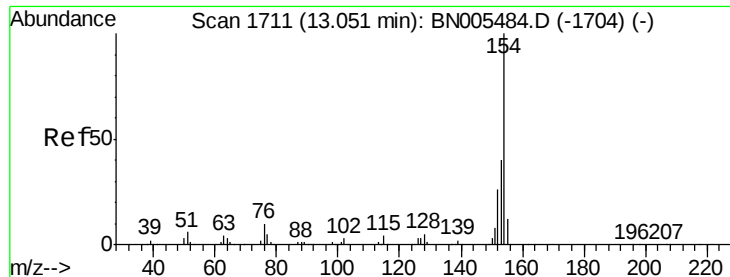
142 100

141 87.2 72.0 108.0



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#40

1,1'-Biphenyl

Concen: 1.533 ng/ul

RT: 13.05 min Scan# 1711

Delta R.T. -0.00 min

Lab File: BN005486.D

Acq: 06 May 2019 10:45

Instrument :

BNA_N

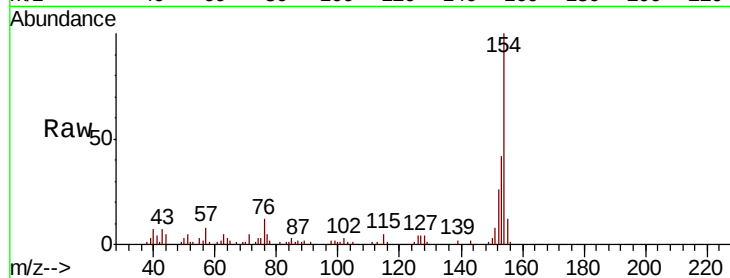
ClientSampleId :

GAJ80DL

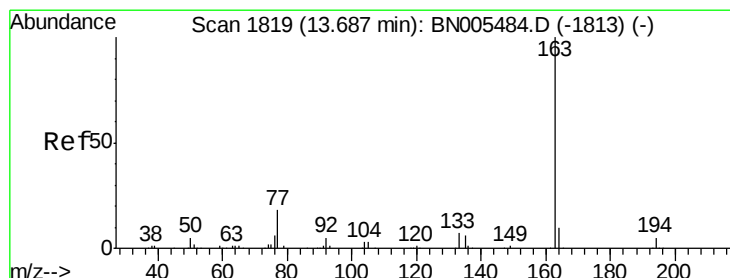
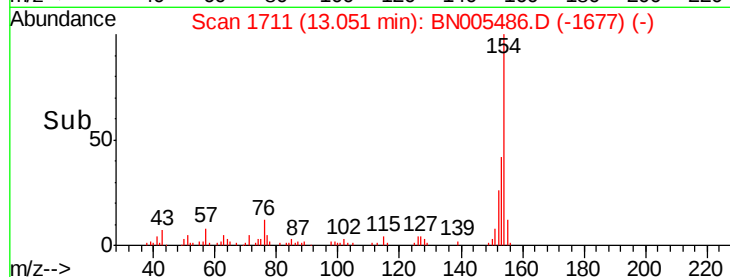
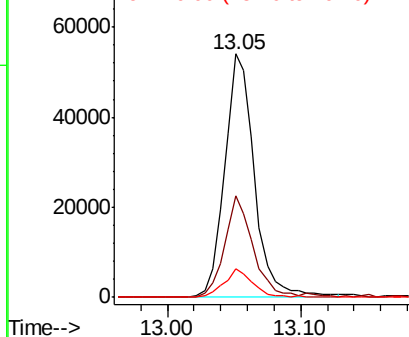
Tot Ion:	154	Resp:	84453
Ion Ratio	Lower	Upper	
154	100		
153	41.6	32.6	49.0
76	11.8	10.4	15.6

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BNC



#44

Dimethylphthalate

Concen: 1.477 ng/ul

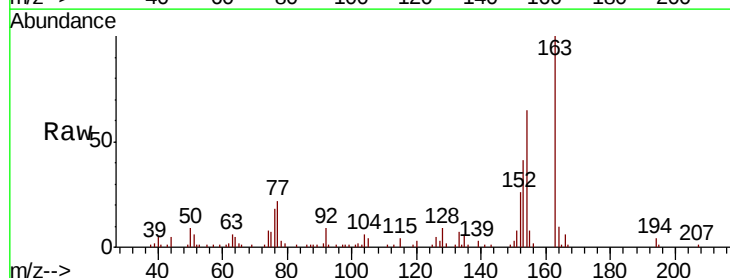
RT: 13.69 min Scan# 1819

Delta R.T. -0.00 min

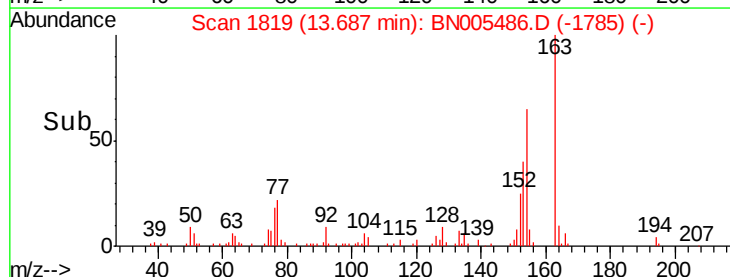
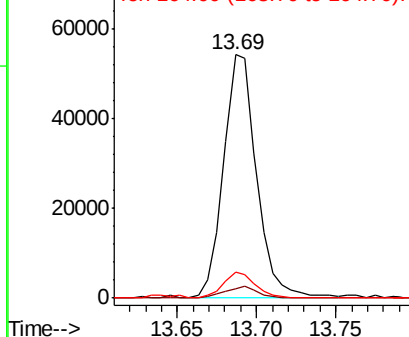
Lab File: BN005486.D

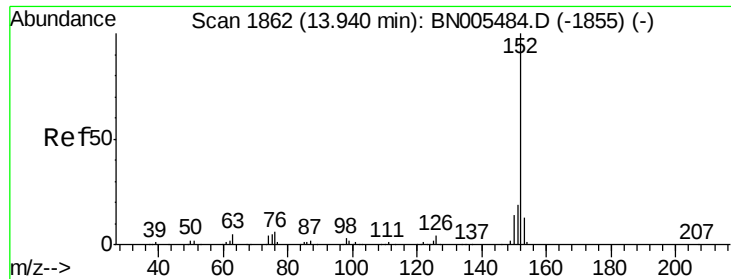
Acq: 06 May 2019 10:45

Tgt Ion:	163	Resp:	79014
Ion Ratio	Lower	Upper	
163	100		
194	3.9	3.4	5.0
164	10.5	8.1	12.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





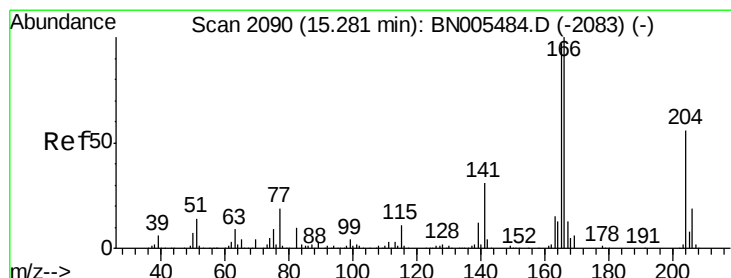
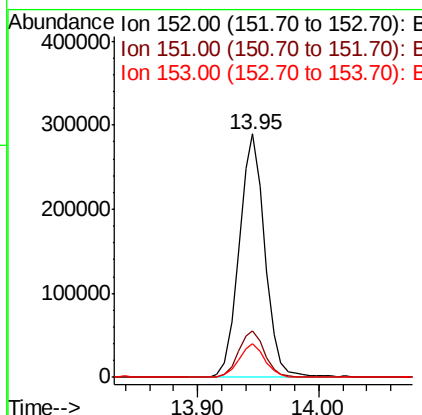
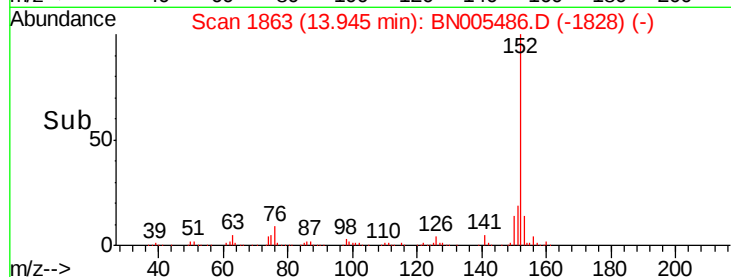
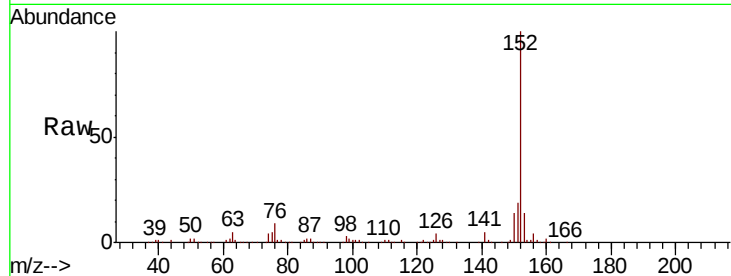
#47
Acenaphthylene
Concen: 6.634 ng/ul
RT: 13.95 min Scan# 1863
Delta R.T. 0.01 min
Lab File: BN005486.D
Acq: 06 May 2019 10:45

Instrument :
BNA_N
ClientSampleId :
GAJ80DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.8	23.8
153	13.9	9.8	14.8

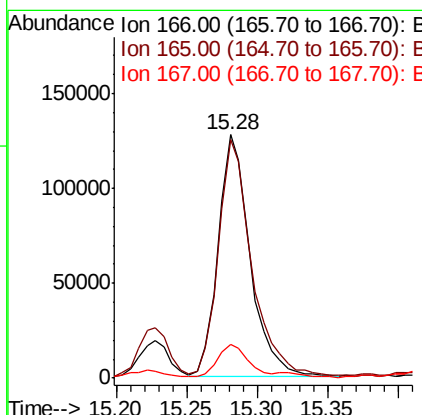
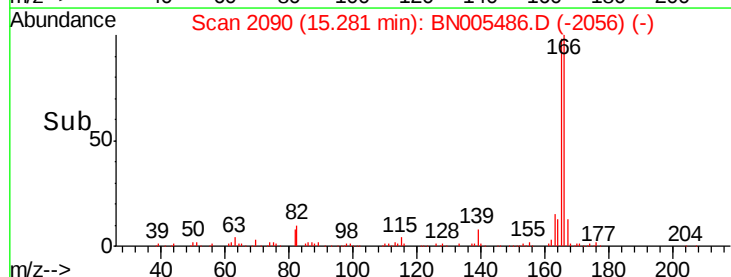
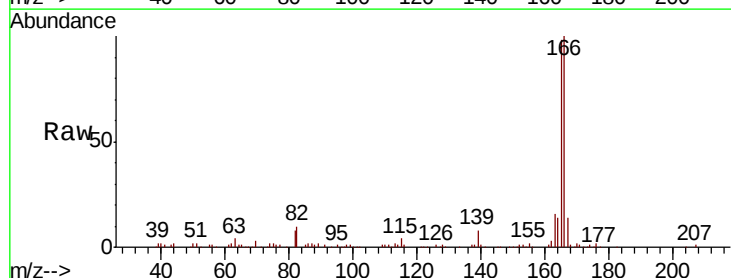
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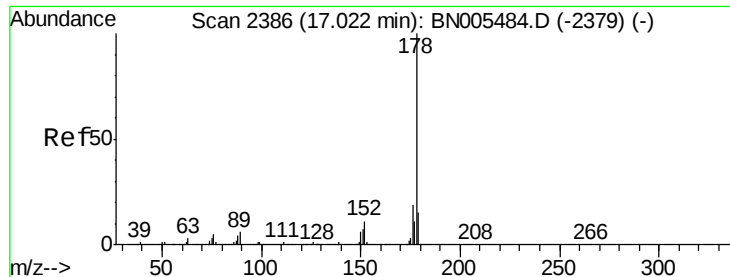
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#58
Fluorene
Concen: 4.055 ng/ul
RT: 15.28 min Scan# 2090
Delta R.T. -0.00 min
Lab File: BN005486.D
Acq: 06 May 2019 10:45

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.8	80.0	120.0
167	13.7	10.7	16.1





#69

Phenanthrene

Concen: 12.117 ng/ul

RT: 17.03 min Scan# 2387

Delta R.T. 0.01 min

Lab File: BN005486.D

Acq: 06 May 2019 10:45

Instrument :

BNA_N

ClientSampleId :

GAJ80DL

Tot Ion:178 Resp: 932729

Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.4

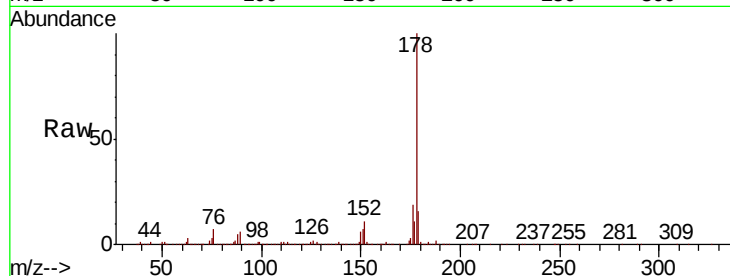
176 18.8 15.1 22.7

Manual Integrations

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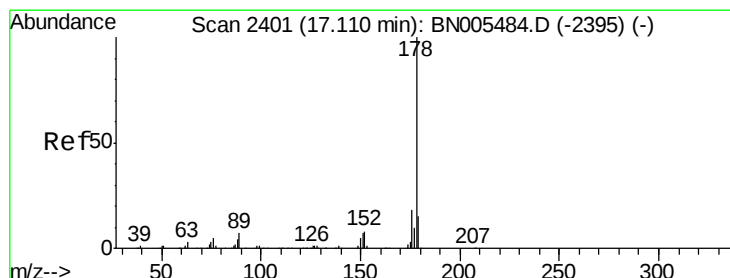
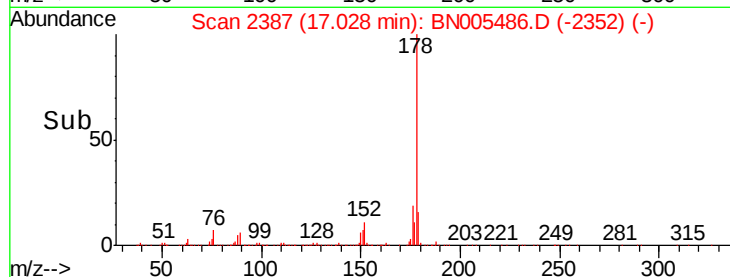
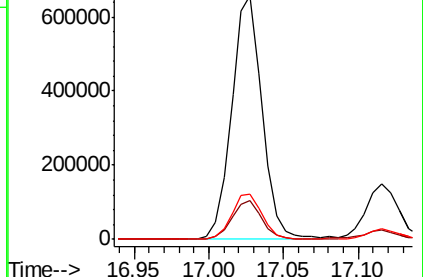
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 2.789 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. 0.01 min

Lab File: BN005486.D

Acq: 06 May 2019 10:45

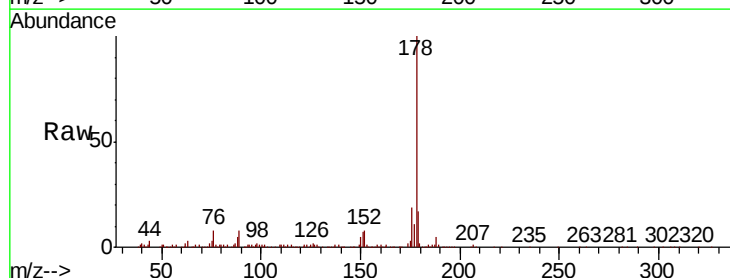
Tgt Ion:178 Resp: 218745

Ion Ratio Lower Upper

178 100

179 16.7 12.3 18.5

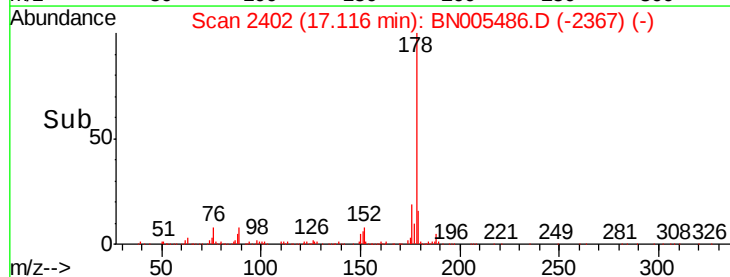
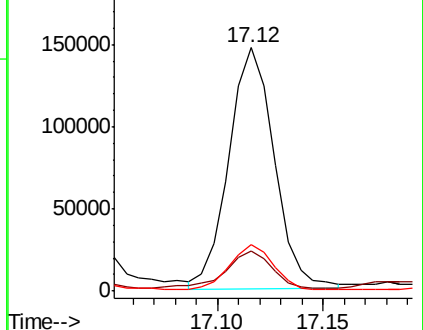
176 18.9 15.1 22.7

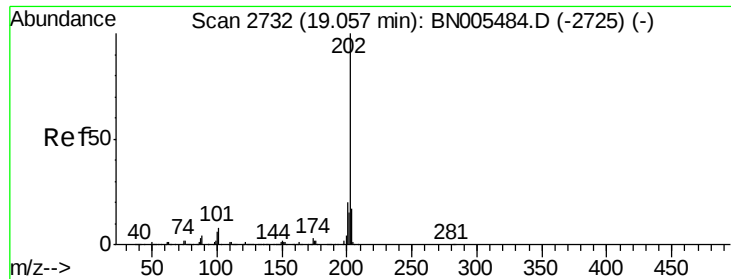


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





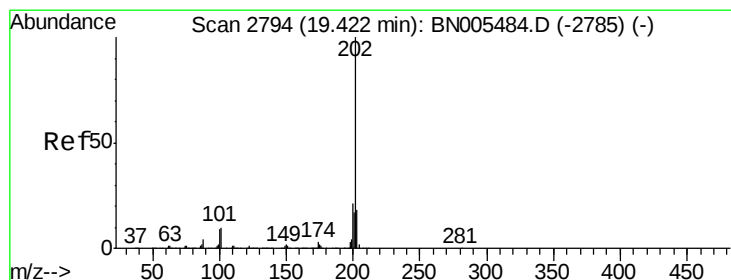
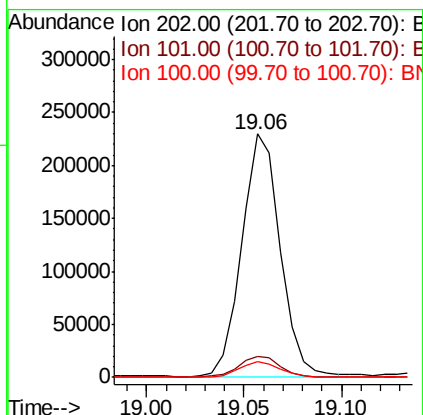
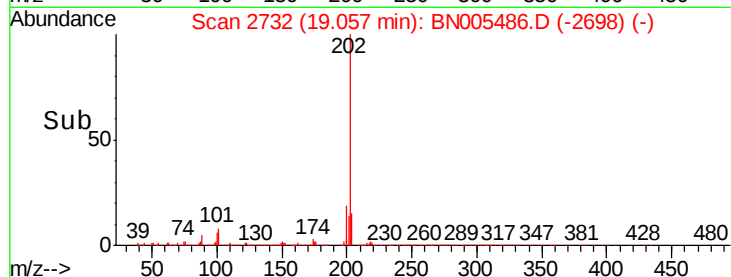
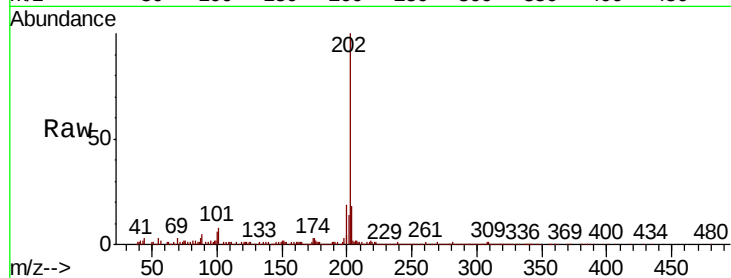
#76
Fluoranthene
Concen: 3.662 ng/ul
RT: 19.06 min Scan# 2732
Delta R.T. -0.00 min
Lab File: BN005486.D
Acq: 06 May 2019 10:45

Instrument :
BNA_N
ClientSampleId :
GAJ80DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.3	8.6	12.8#
100	6.3	6.3	9.5#

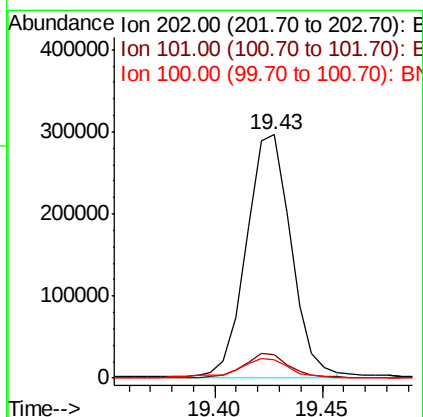
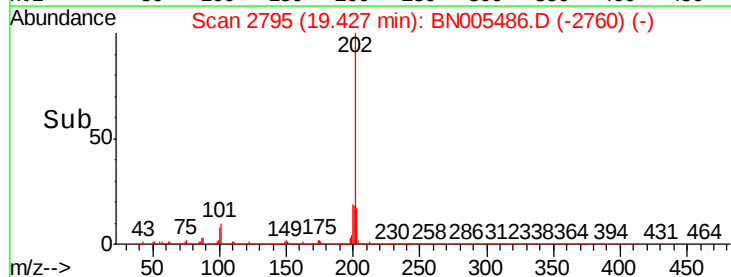
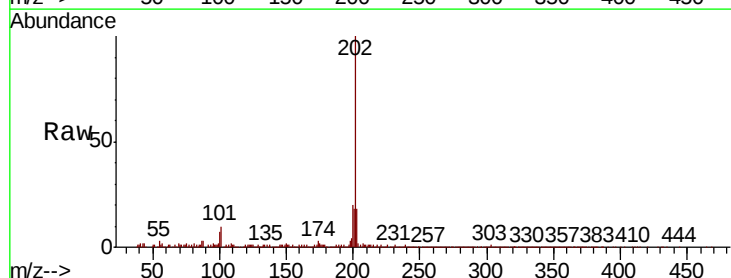
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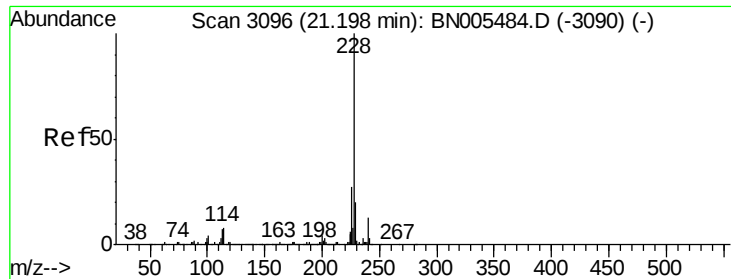
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#79
Pyrene
Concen: 6.600 ng/ul m
RT: 19.43 min Scan# 2795
Delta R.T. 0.01 min
Lab File: BN005486.D
Acq: 06 May 2019 10:45

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	9.6	10.3	15.5#
100	7.3	7.9	11.9#





#82

Benzo(a)anthracene

Concen: 2.017 ng/ul m

RT: 21.20 min Scan# 3097

Delta R.T. 0.01 min

Lab File: BN005486.D

Acq: 06 May 2019 10:45

Instrument :

BNA_N

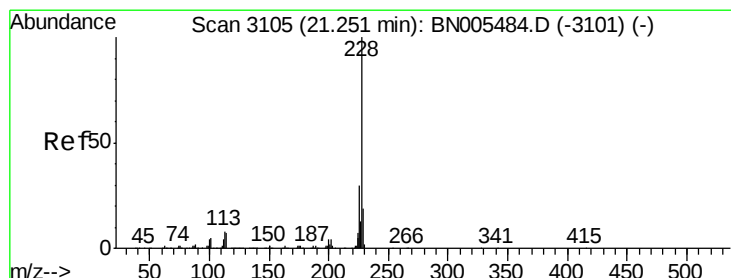
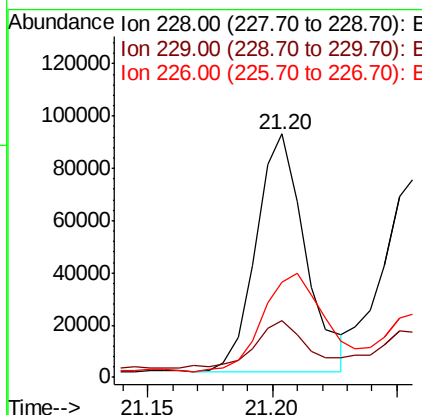
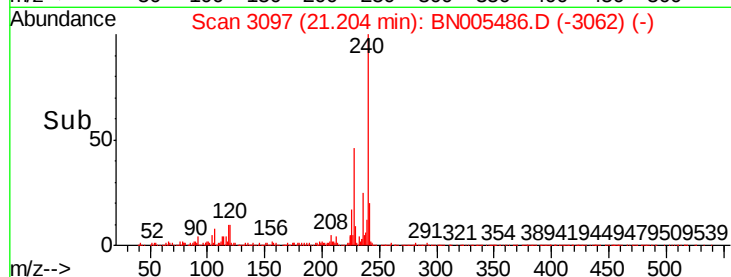
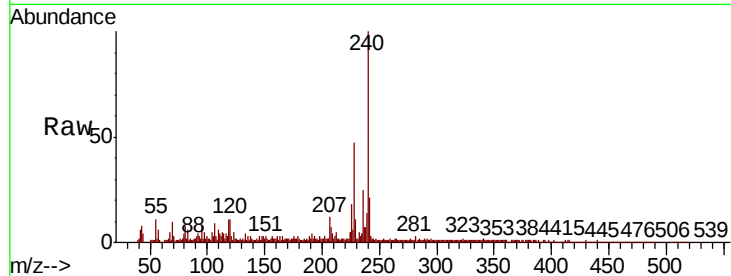
ClientSampleId :

GAJ80DL

Tot Ion:	228	Resp:	126565
Ion Ratio	Lower	Upper	
228	100		
229	23.5	15.8	23.6
226	39.1	21.4	32.2#

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#84

Chrysene

Concen: 1.789 ng/ul

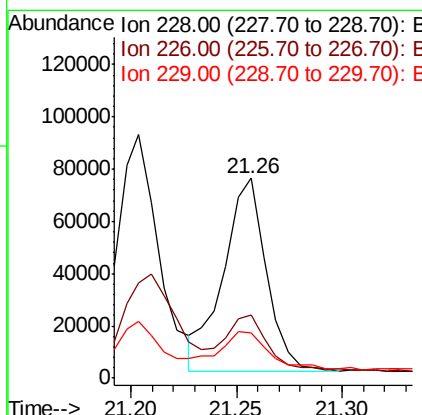
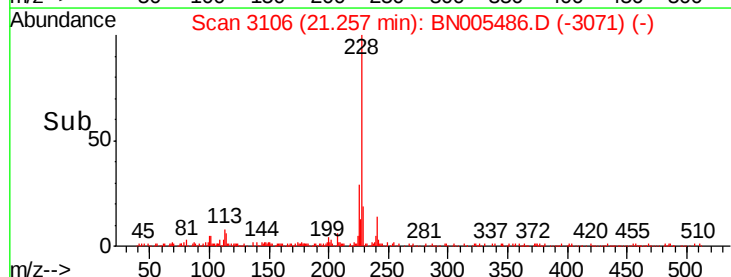
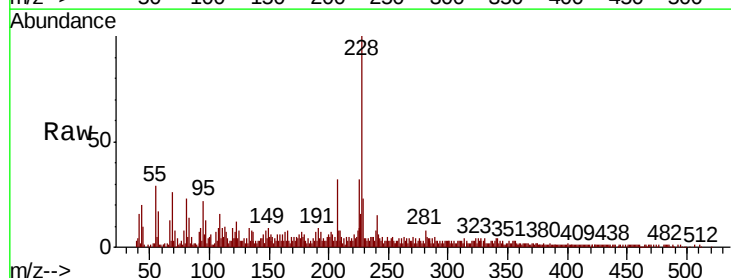
RT: 21.26 min Scan# 3106

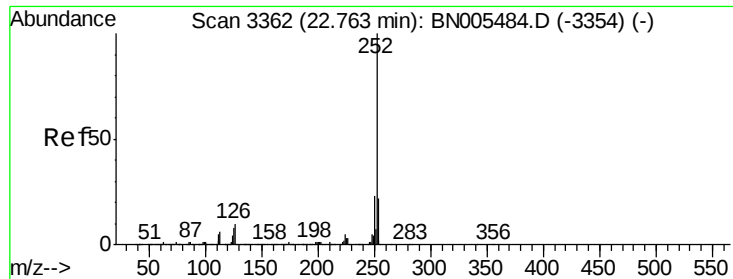
Delta R.T. 0.01 min

Lab File: BN005486.D

Acq: 06 May 2019 10:45

Tgt Ion:	228	Resp:	104198
Ion Ratio	Lower	Upper	
228	100		
226	31.8	24.0	36.0
229	22.8	15.4	23.0





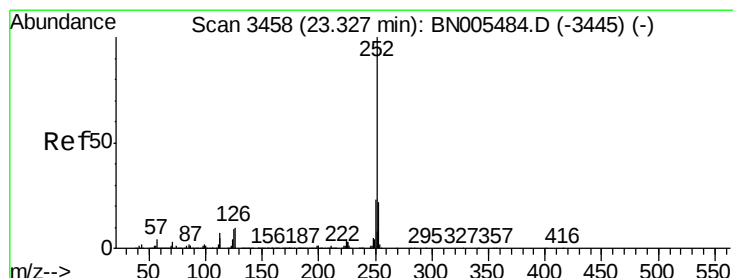
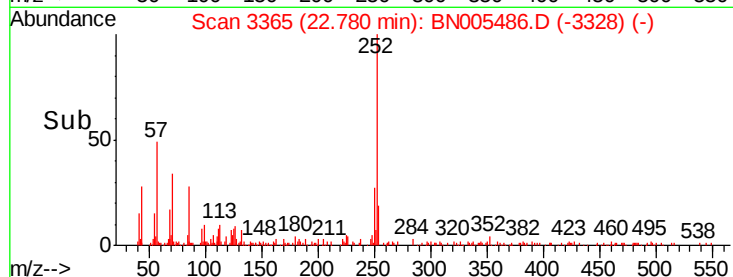
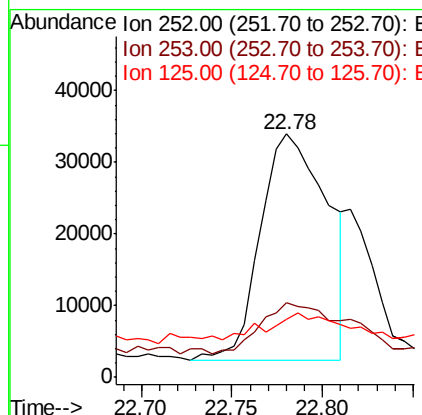
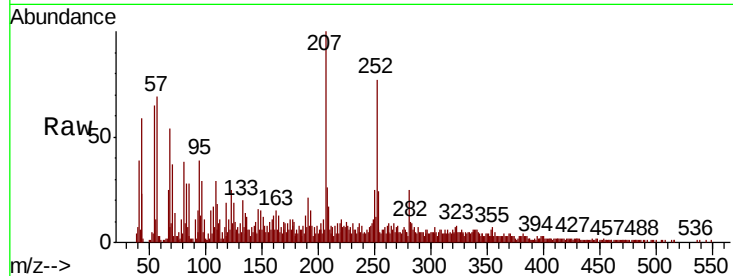
#87
Benzo(b)fluoranthene
Concen: 1.314 ng/ul
RT: 22.78 min Scan# 3365
Delta R.T. 0.02 min
Lab File: BN005486.D
Acq: 06 May 2019 10:45

Instrument :
BNA_N
ClientSampleId :
GAJ80DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.5	17.7	26.5#
125	24.0	8.4	12.6#

Manual Integrations
APPROVED

mohammad
5/7/2019 3:12:51 PM



#90
Benzo(a)pyrene
Concen: 1.502 ng/ul
RT: 23.33 min Scan# 3459
Delta R.T. 0.01 min
Lab File: BN005486.D
Acq: 06 May 2019 10:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.5	17.3	25.9#
125	19.5	8.6	13.0#

