

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\
 Data File : BN005597.D
 Acq On : 10 May 2019 20:14
 Operator : JU/SJ
 Sample : K2604-12ME
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 GAJ86ME

Manual Integrations
 APPROVED

mohammad
 5/13/2019 8:26:20 AM

Quant Time: May 10 23:58:11 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	7.58	152	182605	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	744373	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	451601	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.97	188	990978	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	1021476	20.00	ng/ul	-0.01
85) Perylene-d12	23.40	264	1052173	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	16365	4.33	ng/uL	-0.01
5) Phenol-d5	6.76	99	372801	25.99	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	6.93	67	228732	25.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	320851	29.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	248696	22.18	ng/ul	-0.01
19) Nitrobenzene-d5	8.72	128	177642	38.77	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.44	143	199734	43.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	342320	32.15	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	582405	53.04	ng/ul	0.00
43) Dimethylphthalate-d6	13.63	166	1121397	34.21	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	1406330	34.93	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	134840	26.05	ng/ul	0.00
57) Fluorene-d10	15.22	176	990511	36.00	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	131008	29.39	ng/ul	0.00
70) Anthracene-d10	17.07	188	1569520	37.78	ng/ul	0.00
78) Pyrene-d10	19.39	212	1847729	35.36	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	1771405	38.52	ng/ul	-0.01

Target Compounds

					Ovalue	
28) Naphthalene	10.40	128	7074511	204.438	ng/ul	99
34) 2-Methylnaphthalene	12.03	142	7226735	285.214	ng/ul	100
40) 1,1'-Biphenyl	13.05	154	456150	13.556	ng/ul	98
44) Dimethylphthalate	13.68	163	189874	5.813	ng/ul#	97
47) Acenaphthylene	13.94	152	234488	5.926	ng/ul#	71
49) Acenaphthene	14.28	153	792278	29.329	ng/ul	100
53) Dibenzofuran	14.62	168	235297	6.050	ng/ul#	82
58) Fluorene	15.27	166	700592	23.085	ng/ul#	96
69) Phenanthrene	17.02	178	2988936	61.931	ng/ul	99
71) Anthracene	17.11	178	509020	10.353	ng/ul	99
76) Fluoranthene	19.05	202	477516	8.920	ng/ul	95
79) Pyrene	19.42	202	749703	11.399	ng/ul#	93
82) Benzo(a)anthracene	21.19	228	322886	5.081	ng/ul#	89
84) Chrysene	21.24	228	278858m	4.728	ng/ul	
87) Benzo(b)fluoranthene	22.76	252	237448	4.015	ng/ul#	96
90) Benzo(a)pyrene	23.31	252	220105m	3.959	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.59	276	97859	1.592	ng/ul#	93
93) Benzo(g,h,i)perylene	26.24	276	91020	1.791	ng/ul#	90

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

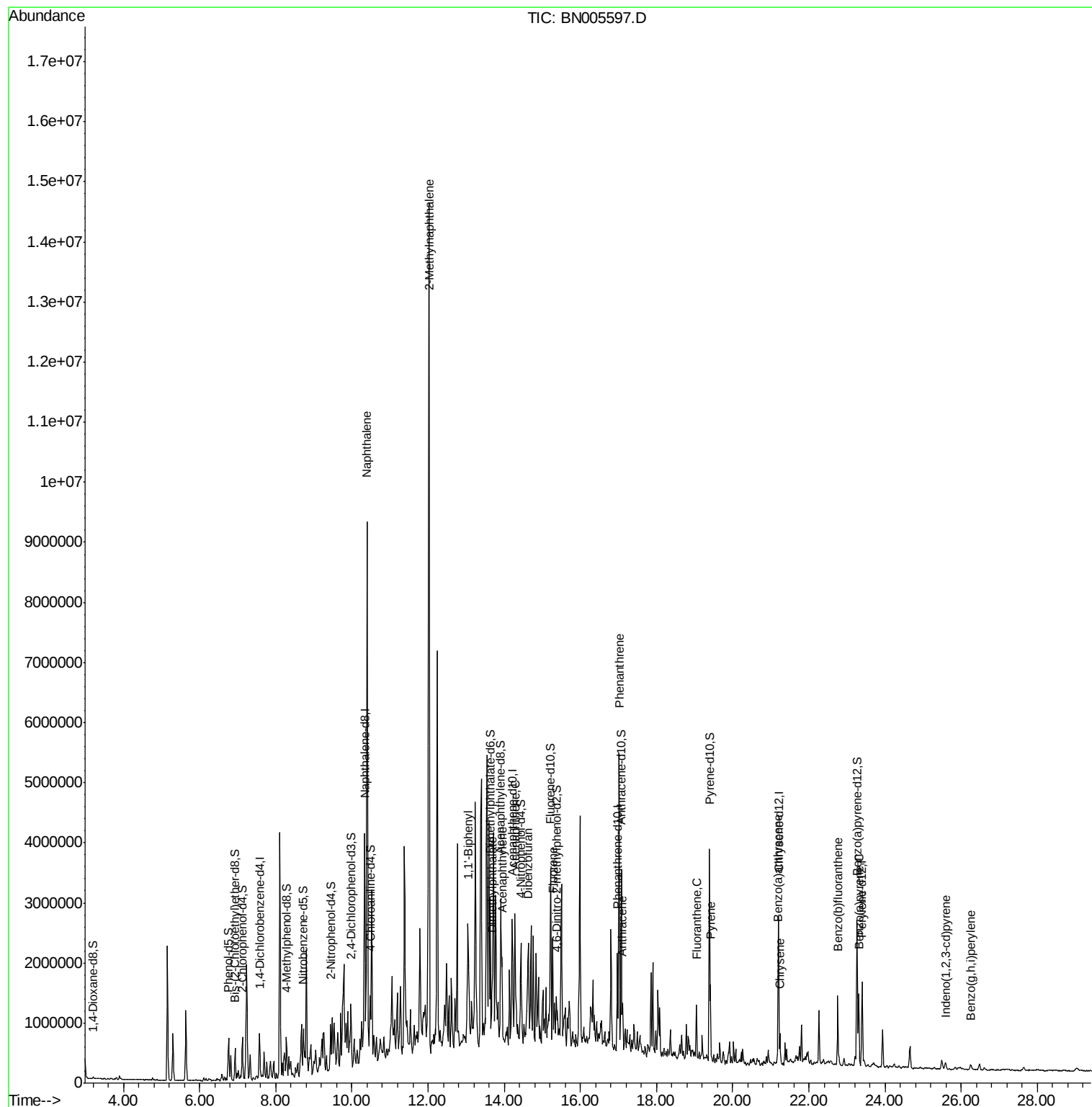
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN051019\
Data File : BN005597.D
Acq On : 10 May 2019 20:14
Operator : JU/SJ
Sample : K2604-12ME
Misc :
ALS Vial : 12 Sample Multiplier: 1

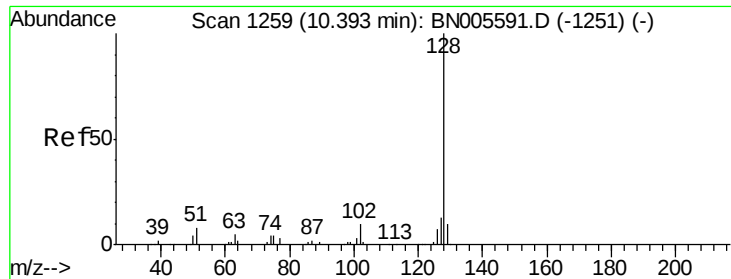
Instrument :
BNA_N
ClientSampleId :
GAJ86ME

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Quant Title : SVOA CALIBRATION
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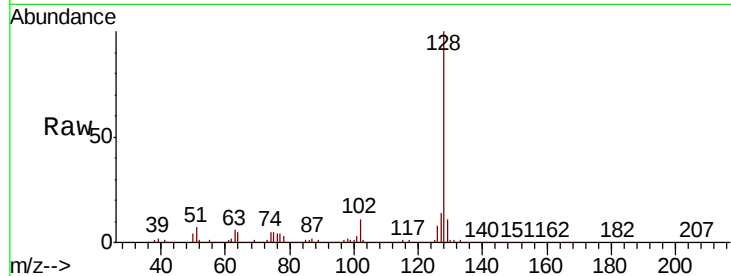
#28
Naphthalene
Concen: 204.438 ng/ul
RT: 10.40 min Scan# 1260
Delta R.T. -0.00 min
Lab File: BN005597.D
Acq: 10 May 2019 20:14

Instrument :
BNA_N
ClientSampleId :
GAJ86ME

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.2	13.8
127	13.8	10.7	16.1

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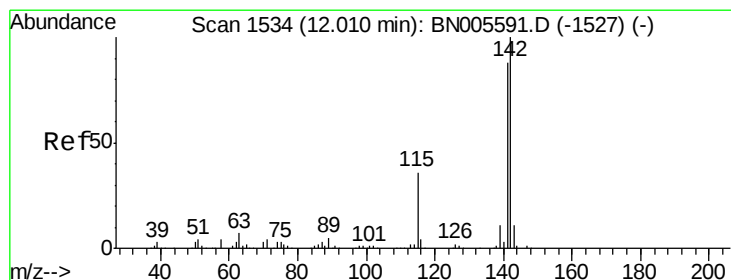
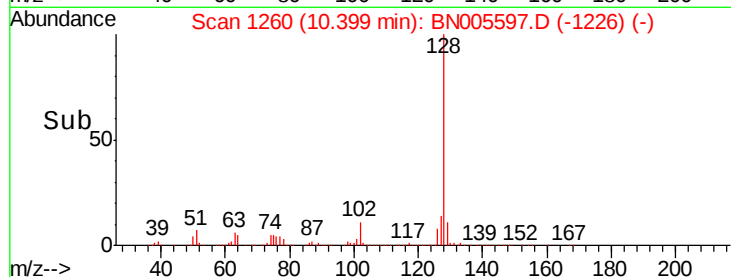
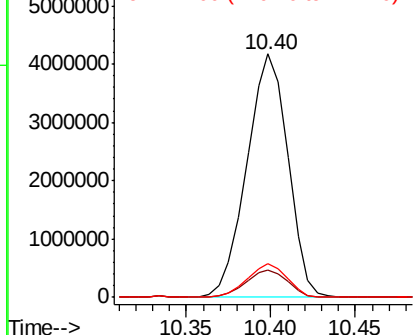


Abundance

Ion 128.00 (127.70 to 128.70): E

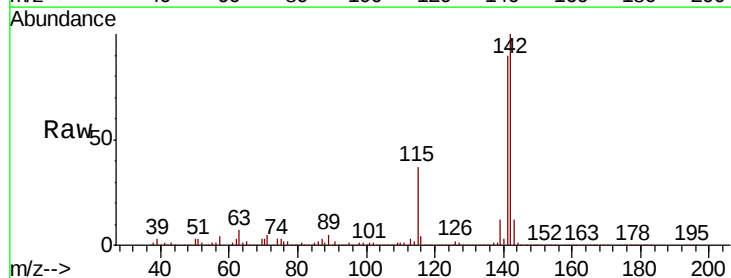
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34
2-Methylnaphthalene
Concen: 285.214 ng/ul
RT: 12.03 min Scan# 1537
Delta R.T. 0.01 min
Lab File: BN005597.D
Acq: 10 May 2019 20:14

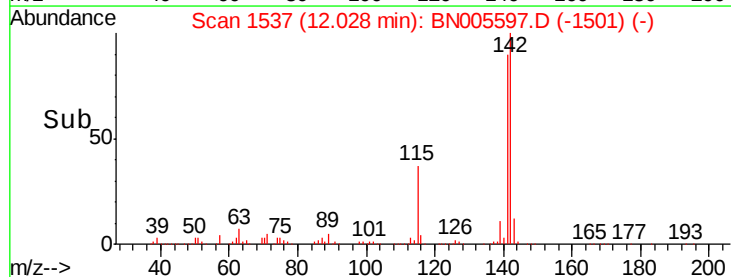
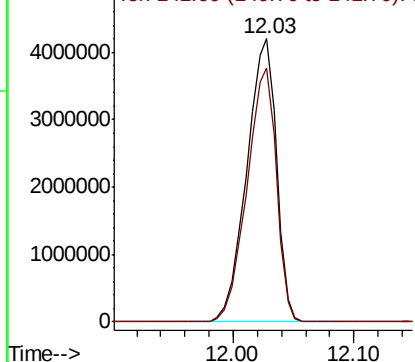
Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.8	72.0	108.0

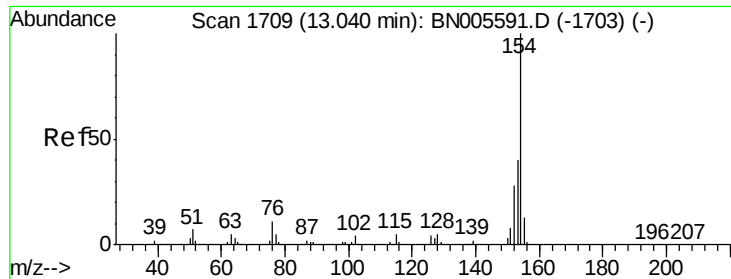


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





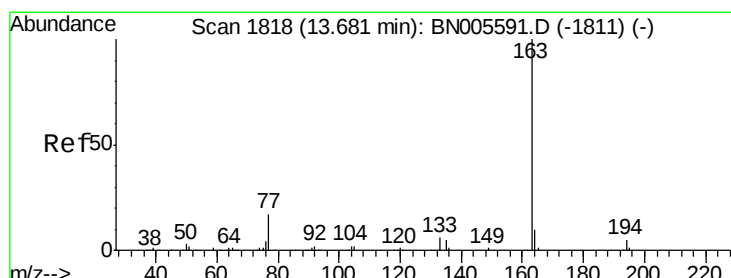
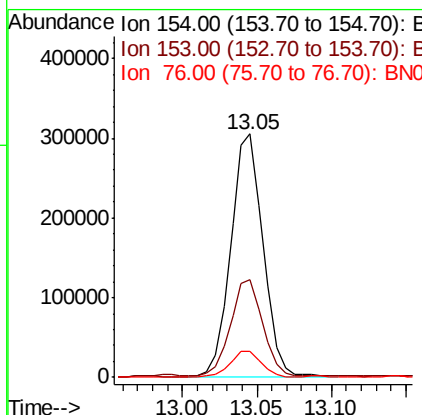
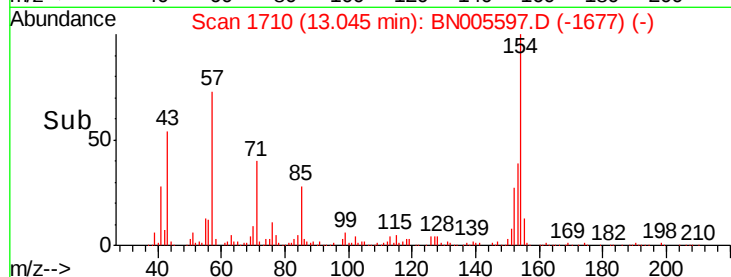
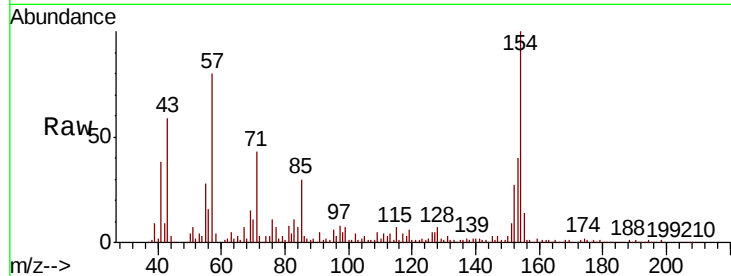
#40
1,1'-Biphenyl
Concen: 13.556 ng/ul
RT: 13.05 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BN005597.D
Acq: 10 May 2019 20:14

Instrument :
BNA_N
ClientSampleId :
GAJ86ME

Tot Ion:	154	Resp:	456150
Ion Ratio	Lower	Upper	
154	100		
153	40.0	32.6	49.0
76	10.9	10.4	15.6

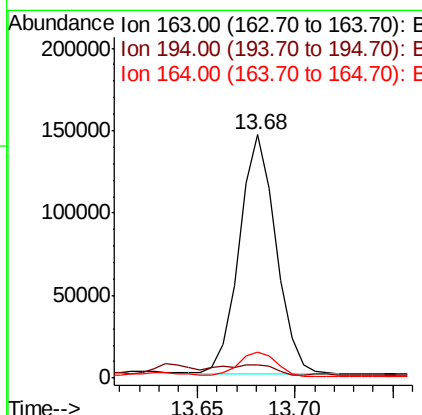
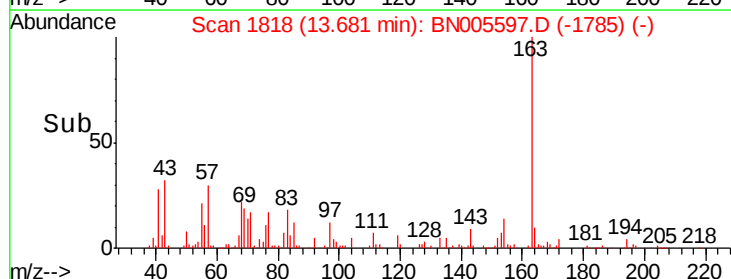
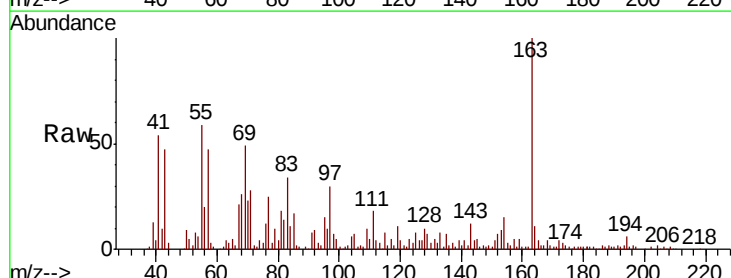
Manual Integrations
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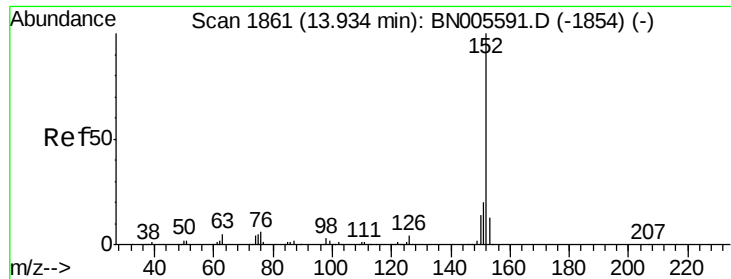
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#44
Dimethylphthalate
Concen: 5.813 ng/ul
RT: 13.68 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BN005597.D
Acq: 10 May 2019 20:14

Tgt Ion:	163	Resp:	189874
Ion Ratio	Lower	Upper	
163	100		
194	5.6	3.4	5.0#
164	10.9	8.1	12.1





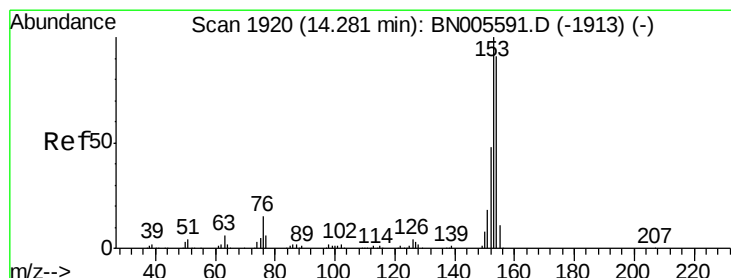
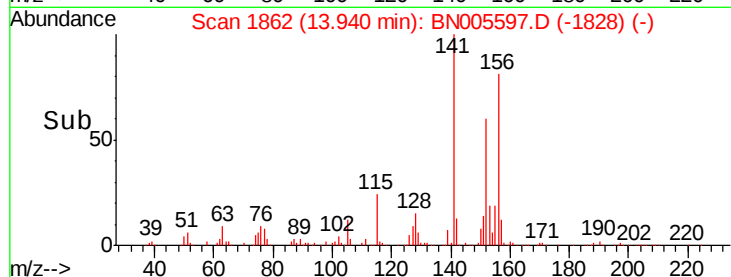
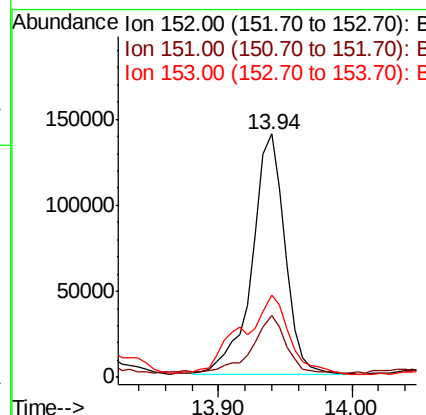
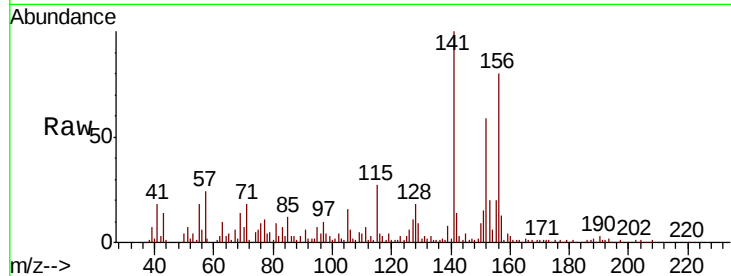
#47
Acenaphthylene
Concen: 5.926 ng/ul
RT: 13.94 min Scan# 1862
Delta R.T. -0.00 min
Lab File: BN005597.D
Acq: 10 May 2019 20:14

Instrument :
BNA_N
ClientSampleId :
GAJ86ME

Tot Ion	Ratio	Lower	Upper
152	100		
151	25.6	15.8	23.8#
153	33.9	9.8	14.8#

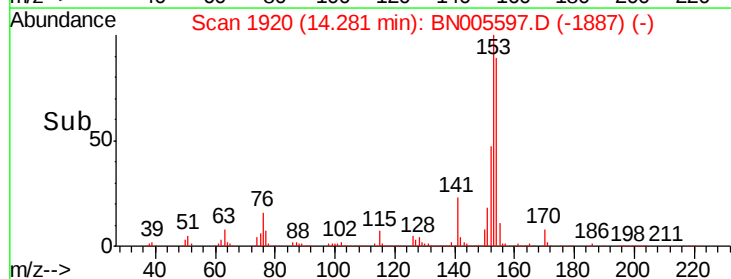
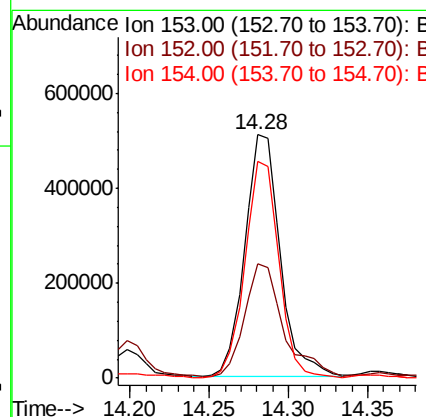
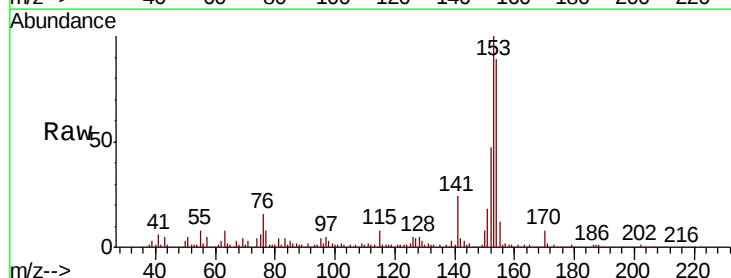
Manual Integrations
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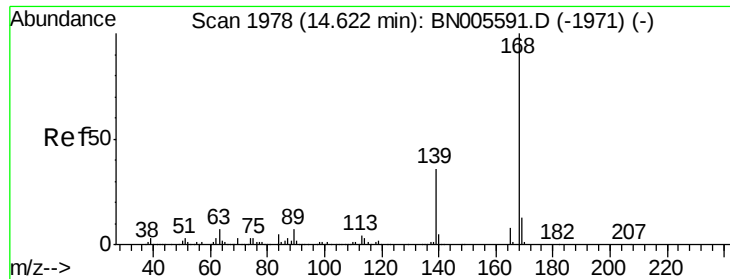
mohammad
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#49
Acenaphthene
Concen: 29.329 ng/ul
RT: 14.28 min Scan# 1920
Delta R.T. -0.01 min
Lab File: BN005597.D
Acq: 10 May 2019 20:14

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.1	37.4	56.0
154	89.0	71.2	106.8





#53

Dibenzofuran

Concen: 6.050 ng/ul

RT: 14.62 min Scan# 1978

Delta R.T. -0.01 min

Lab File: BN005597.D

Acq: 10 May 2019 20:14

Instrument :

BNA_N

ClientSampleId :

GAJ86ME

Tot Ion:168 Resp: 235297

Ion Ratio Lower Upper

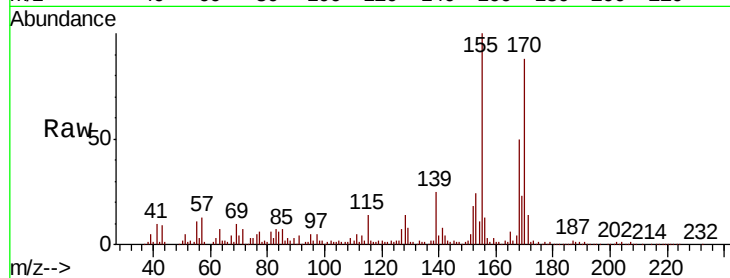
168 100

139 49.6 30.9 46.3#

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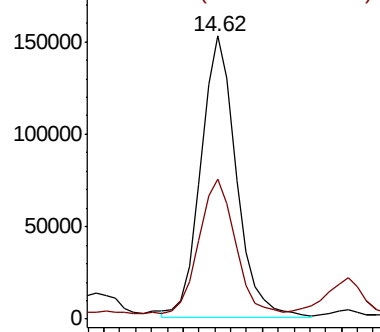
mohammad

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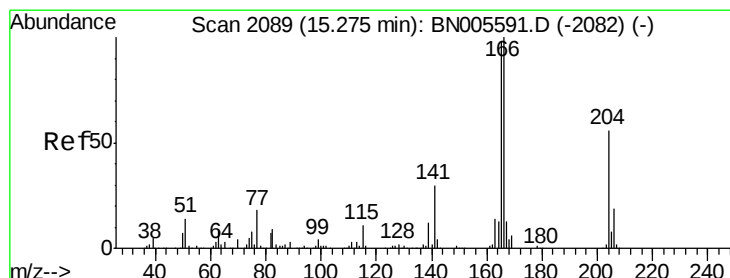
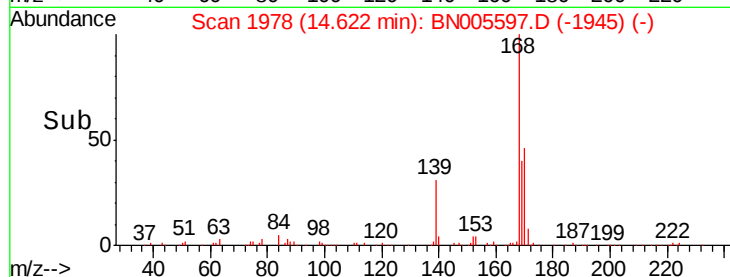


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#58

Fluorene

Concen: 23.085 ng/ul

RT: 15.27 min Scan# 2089

Delta R.T. -0.01 min

Lab File: BN005597.D

Acq: 10 May 2019 20:14

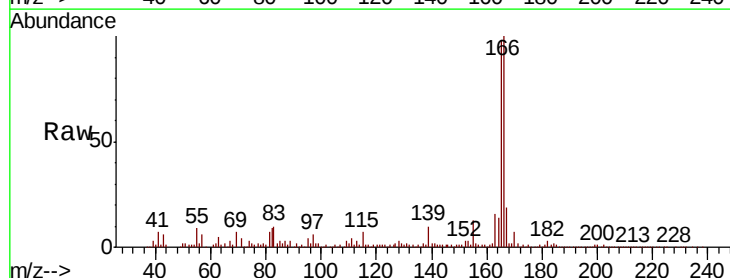
Tgt Ion:166 Resp: 700592

Ion Ratio Lower Upper

166 100

165 97.8 80.0 120.0

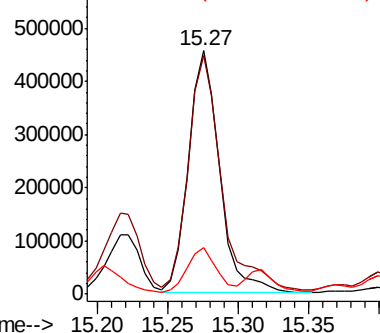
167 19.4 10.7 16.1#



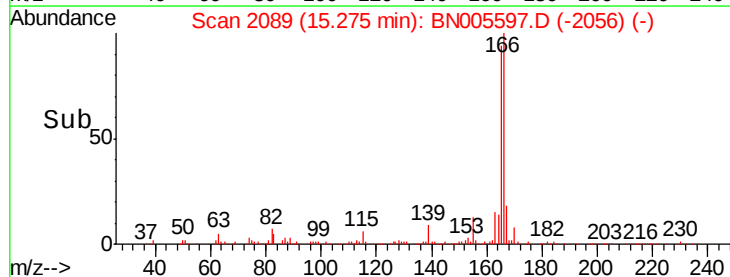
Abundance Ion 166.00 (165.70 to 166.70): E

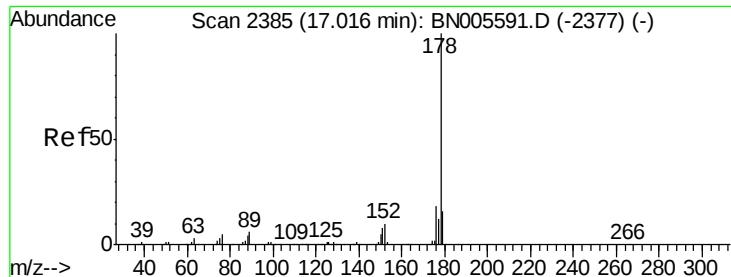
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->





#69

Phenanthrene

Concen: 61.931 ng/ul

RT: 17.02 min Scan# 2385

Delta R.T. -0.01 min

Lab File: BN005597.D

Acq: 10 May 2019 20:14

Instrument :

BNA_N

ClientSampleId :

GAJ86ME

Tot Ion:178 Resp: 2988936

Ion Ratio Lower Upper

178 100

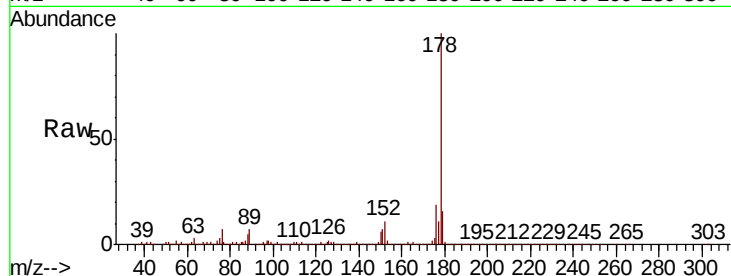
179 15.8 12.2 18.4

176 18.8 15.1 22.7

Manual Integrations
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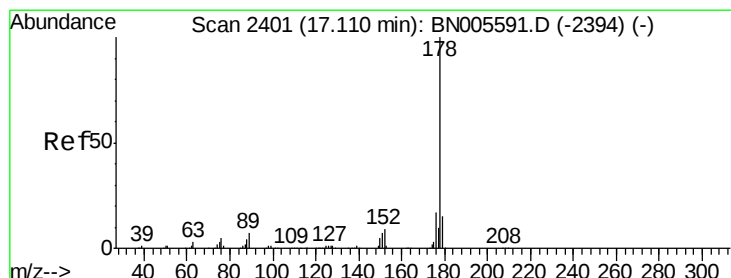
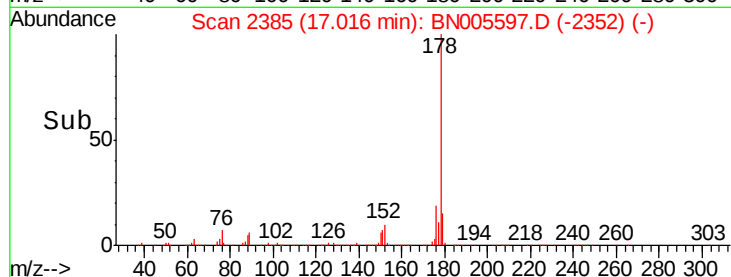
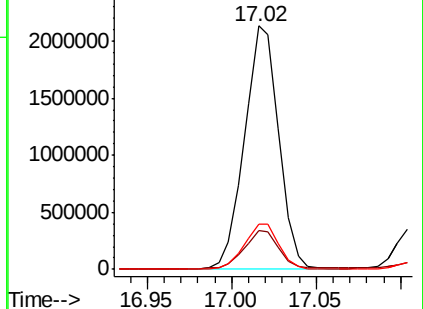
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 10.353 ng/ul

RT: 17.11 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BN005597.D

Acq: 10 May 2019 20:14

Tgt Ion:178 Resp: 509020

Ion Ratio Lower Upper

178 100

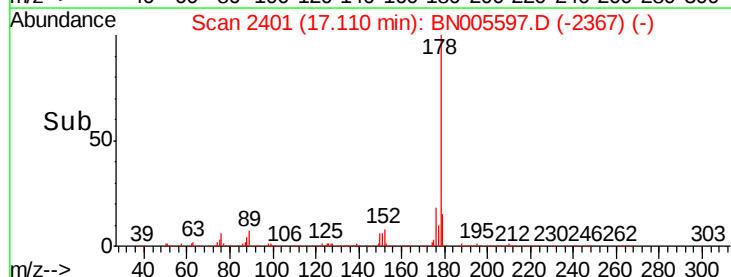
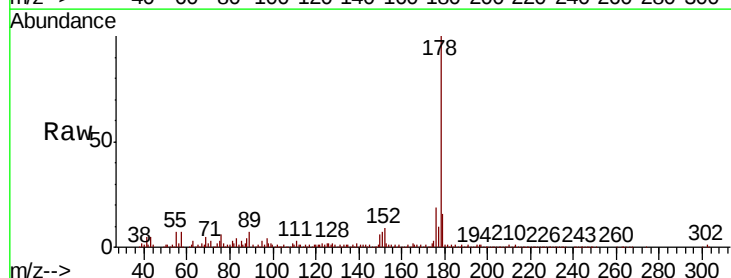
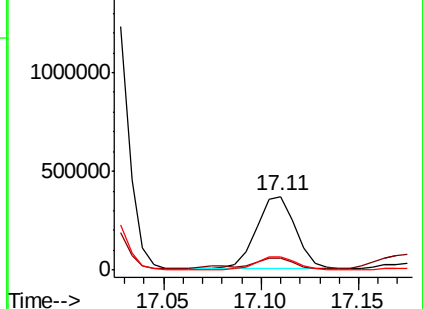
179 16.3 12.3 18.5

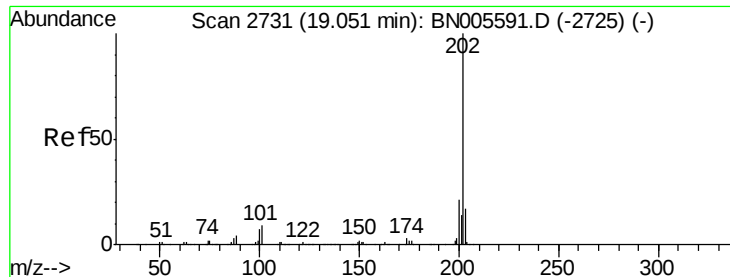
176 18.6 15.1 22.7

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





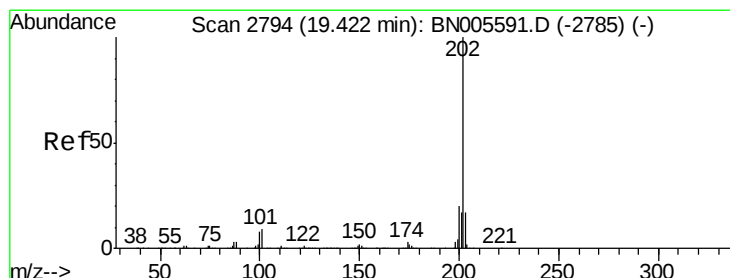
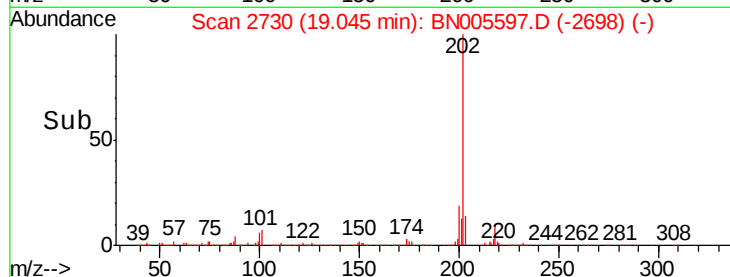
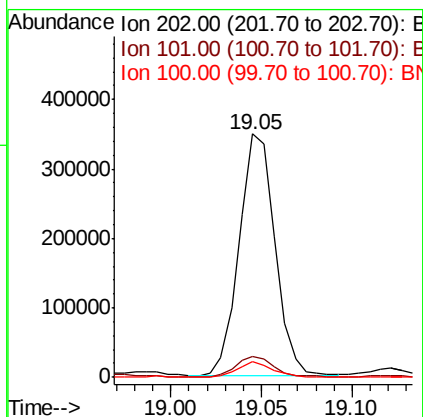
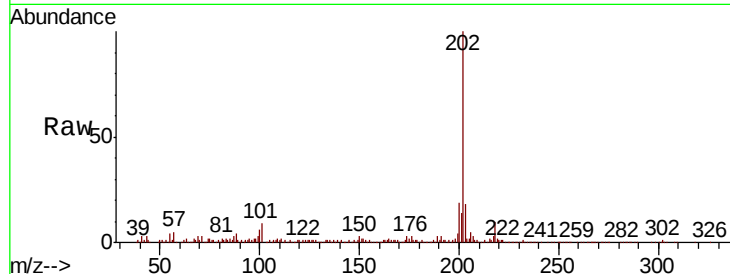
#76
Fluoranthene
Concen: 8.920 ng/ul
RT: 19.05 min Scan# 2730
Delta R.T. -0.01 min
Lab File: BN005597.D
Acq: 10 May 2019 20:14

Instrument :
BNA_N
ClientSampleId :
GAJ86ME

Tot Ion	Ratio	Resp	Lower	Upper
202	100	477516		
101	8.8		8.6	12.8
100	6.5		6.3	9.5

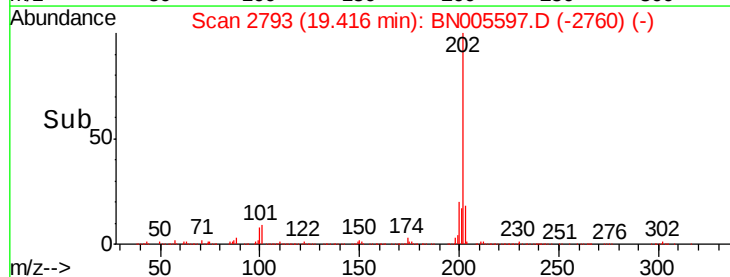
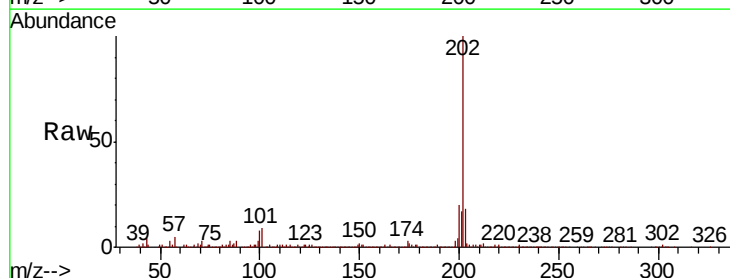
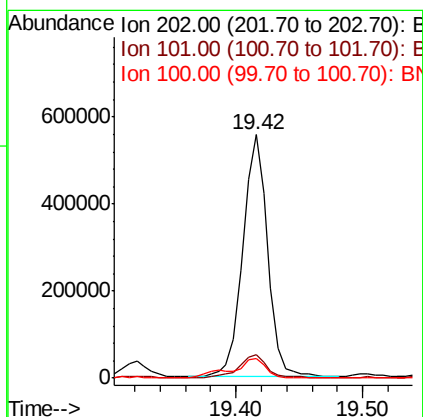
Manual Integrations
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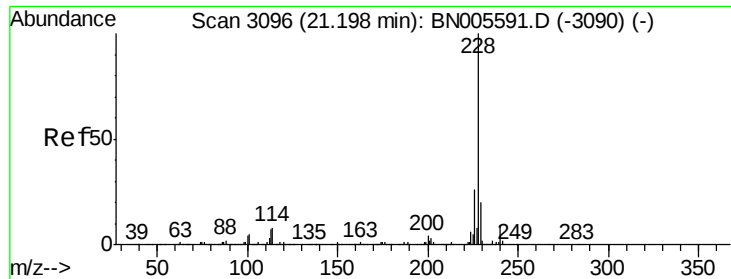
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#79
Pyrene
Concen: 11.399 ng/ul
RT: 19.42 min Scan# 2793
Delta R.T. -0.01 min
Lab File: BN005597.D
Acq: 10 May 2019 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	749703		
101	9.5		10.3	15.5#
100	7.9		7.9	11.9





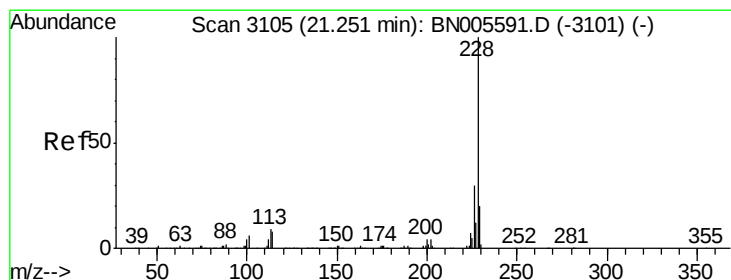
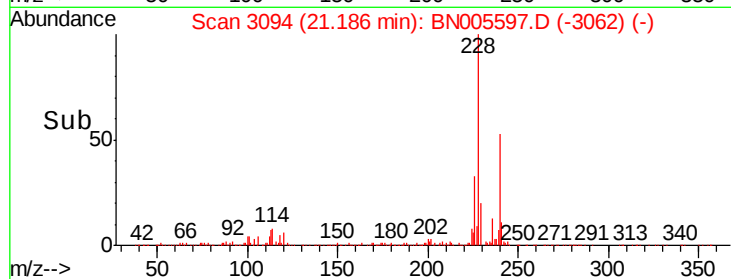
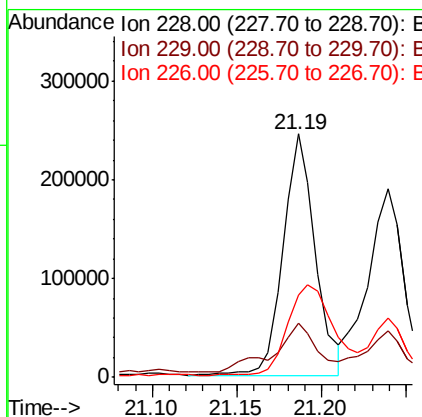
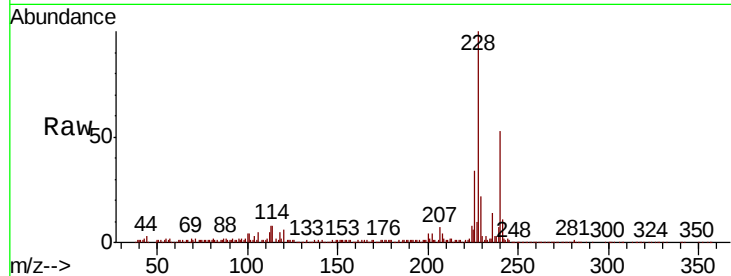
#82
Benzo(a)anthracene
Concen: 5.081 ng/ul
RT: 21.19 min Scan# 3094
Delta R.T. -0.01 min
Lab File: BN005597.D
Acq: 10 May 2019 20:14

Instrument :
BNA_N
ClientSampleId :
GAJ86ME

Tot Ion	Ratio	Resp	Lower	Upper
228	100	322886		
229	22.4	15.8	23.6	
226	34.1	21.4	32.2#	

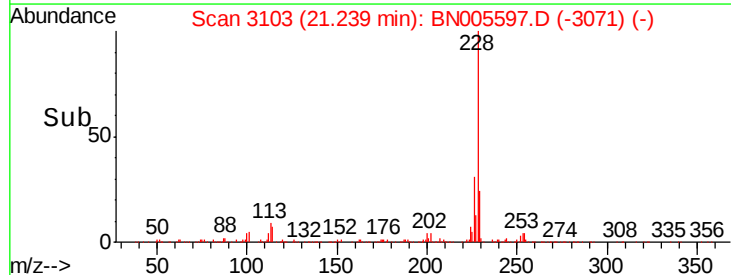
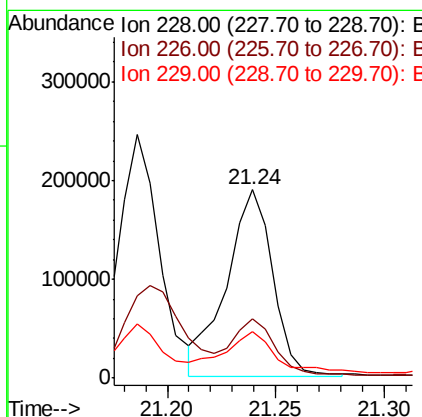
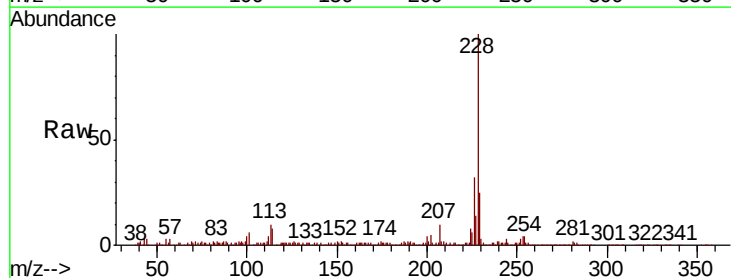
Manual Integrations
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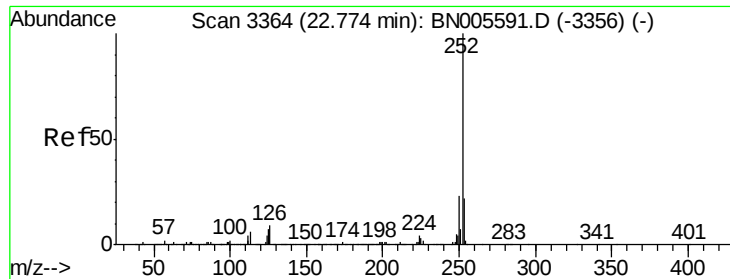
mohammad
5/13/2019 8:26:20 AM



#84
Chrysene
Concen: 4.728 ng/ul m
RT: 21.24 min Scan# 3103
Delta R.T. -0.01 min
Lab File: BN005597.D
Acq: 10 May 2019 20:14

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	278858		
226	31.5	24.0	36.0	
229	24.8	15.4	23.0#	





#87

Benzo(b)fluoranthene

Concen: 4.015 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. -0.00 min

Lab File: BN005597.D

Acq: 10 May 2019 20:14

Instrument :

BNA_N

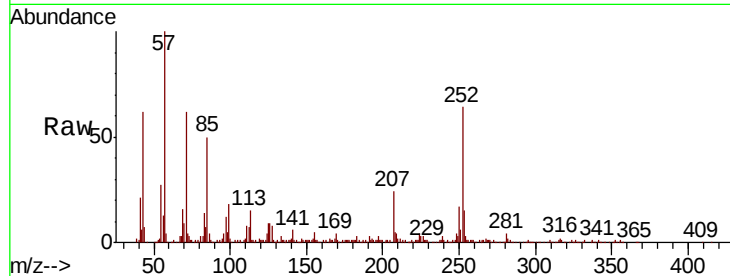
ClientSampleId :

GAJ86ME

Tot Ion:	252	Resp:	237448
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.7	26.5
125	14.2	8.4	12.6#

Manual Integrations
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5/13/2019 8:26:20 AM

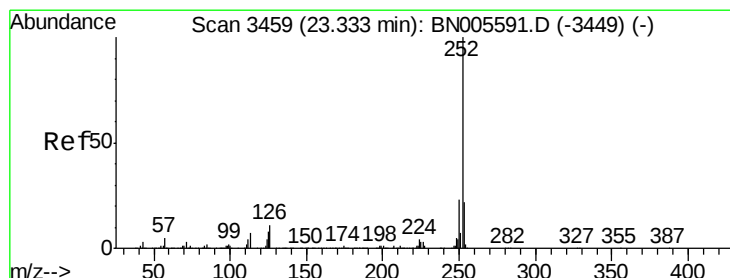
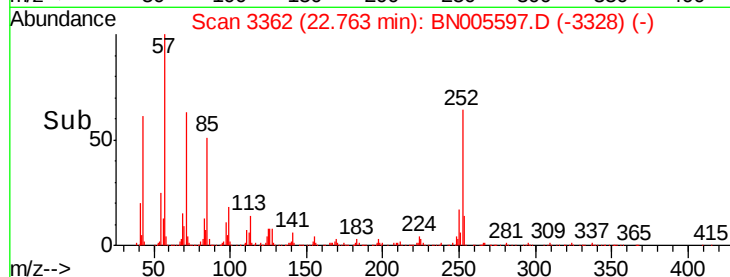
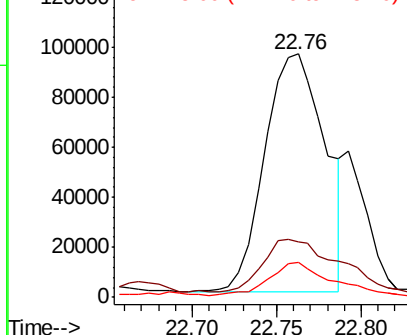


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 3.959 ng/ul m

RT: 23.31 min Scan# 3455

Delta R.T. -0.02 min

Lab File: BN005597.D

Acq: 10 May 2019 20:14

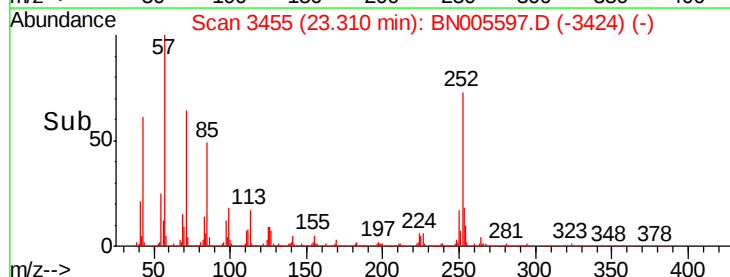
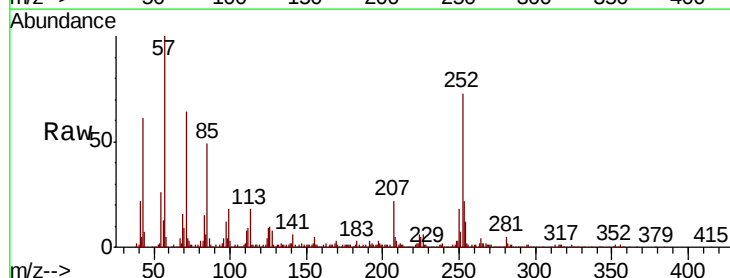
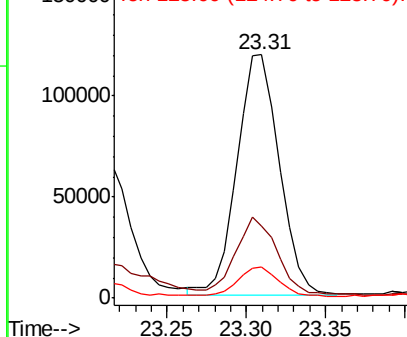
Tgt Ion:	252	Resp:	220105
Ion Ratio	Lower	Upper	
252	100		
253	29.8	17.3	25.9#
125	12.9	8.6	13.0

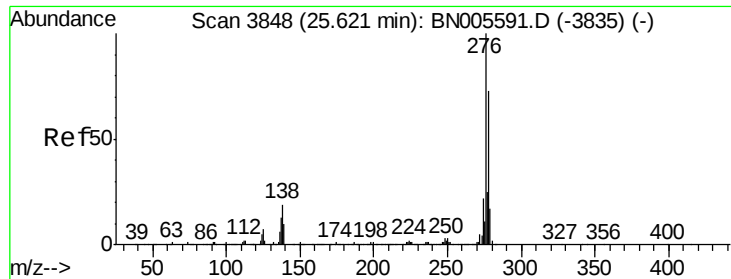
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





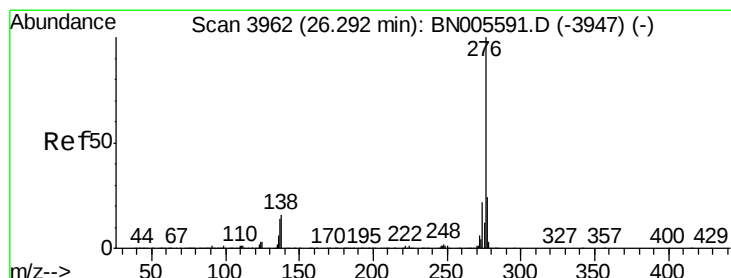
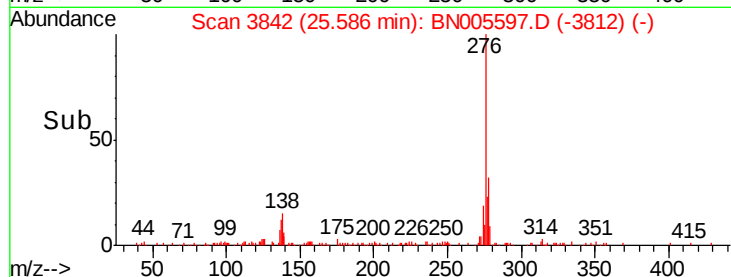
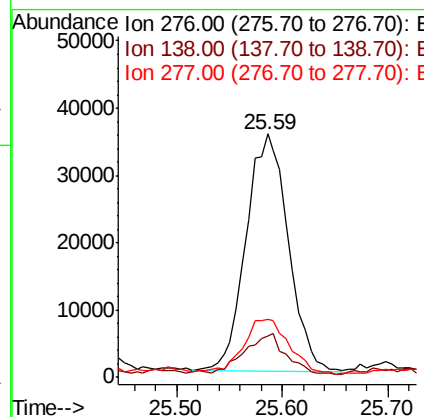
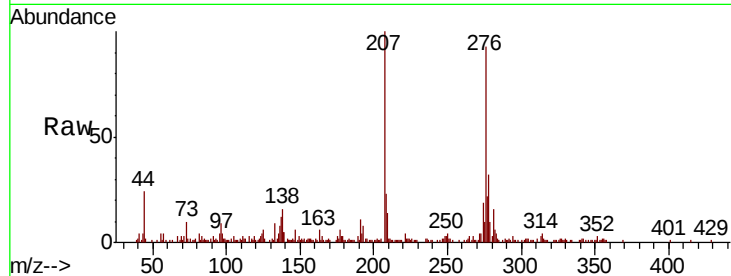
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 1.592 ng/ul
 RT: 25.59 min Scan# 3842
 Delta R.T. -0.02 min
 Lab File: BN005597.D
 Acq: 10 May 2019 20:14

Instrument :
 BNA_N
 ClientSampleId :
 GAJ86ME

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.8	17.9	26.9#
277	23.6	19.7	29.5

Manual Integrations
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mohammad
 5/13/2019 8:26:20 AM



#93
 Benzo(g,h,i)perylene
 Concen: 1.791 ng/ul
 RT: 26.24 min Scan# 3954
 Delta R.T. -0.03 min
 Lab File: BN005597.D
 Acq: 10 May 2019 20:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.4	16.7	25.1#
277	27.5	18.2	27.2#

