

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020320\
 Data File : BN009597.D
 Acq On : 05 Feb 2020 12:02
 Operator : CG/JU
 Sample : L1271-06
 Misc :
 ALS Vial : 73 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASZ7

Manual Integrations
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mohammad
 2/6/2020 8:12:30 AM

Quant Time: Feb 05 15:27:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN020320MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Feb 03 16:39:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	138396	20.00	ng/ul	0.00
18) Naphthalene-d8	10.26	136	499855	20.00	ng/ul	0.06
35) Acenaphthene-d10	14.11	164	811844m	20.00	ng/ul	0.03
61) Phenanthrene-d10	16.89	188	621096m	20.00	ng/ul	0.06
77) Chrysene-d12	21.07	240	642114m	20.00	ng/ul	0.03
85) Perylene-d12	23.19	264	747226m	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	10509	3.12	ng/uL	0.01
5) Phenol-d5	6.65	99	228936	18.97	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.80	67	173417	21.39	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	175605	19.77	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	189366	19.70	ng/ul	0.00
19) Nitrobenzene-d5	8.59	128	136503	36.72	ng/ul	0.00
22) 2-Nitrophenol-d4	9.31	143	103478	24.95	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.85	165	196138	25.24	ng/ul	0.02
29) 4-Chloroaniline-d4	10.35	131	162348m	19.43	ng/ul	0.01
43) Dimethylphthalate-d6	13.57	166	716551	12.09	ng/ul	0.06
46) Acenaphthylene-d8	13.83	160	754539	10.54	ng/ul	0.06
51) 4-Nitrophenol-d4	14.35	143	210862m	18.84	ng/ul	0.04
57) Fluorene-d10	15.12	176	666063m	12.78	ng/ul	0.04
62) 4,6-Dinitro-2-methylphenol	15.34	200	56972m	14.69	ng/ul	0.12
70) Anthracene-d10	17.00	188	797309	28.25	ng/ul	0.07
78) Pyrene-d10	19.27	212	873013m	25.86	ng/ul	0.03
89) Benzo(a)pyrene-d12	23.06	264	912901m	24.81	ng/ul	0.04

Target Compounds

					Ovalue	
24) 2,4-Dimethylphenol	9.42	107	41678	4.247	ng/ul#	68
28) Naphthalene	10.25	128	76942782m	2838.515	ng/ul	
34) 2-Methylnaphthalene	11.89	142	96427315m	5083.249	ng/ul	
40) 1,1'-Biphenyl	12.93	154	21124703m	334.201	ng/ul	
44) Dimethylphthalate	13.61	163	172595	2.744	ng/ul#	95
47) Acenaphthylene	13.85	152	36108058m	460.767	ng/ul	
49) Acenaphthene	14.19	153	8987913	168.711	ng/ul	97
53) Dibenzofuran	14.52	168	9468363	127.632	ng/ul	94
58) Fluorene	15.18	166	31407397m	506.582	ng/ul	
69) Phenanthrene	16.90	178	59079732m	1667.956	ng/ul	
71) Anthracene	17.03	178	17044406m	474.250	ng/ul	
76) Fluoranthene	18.93	202	24454130m	604.910	ng/ul	
79) Pyrene	19.30	202	31356267m	668.943	ng/ul	
82) Benzo(a)anthracene	21.06	228	18204856m	410.625	ng/ul	
84) Chrysene	21.11	228	16476860m	373.318	ng/ul	
87) Benzo(b)fluoranthene	22.59	252	11741532m	251.153	ng/ul	
88) Benzo(k)fluoranthene	22.61	252	2813882m	61.117	ng/ul	
90) Benzo(a)pyrene	23.11	252	9042877m	208.772	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.27	276	4531767m	88.000	ng/ul	
92) Dibenz(a,h)anthracene	25.27	278	1630365m	37.611	ng/ul	
93) Benzo(a,h,i)perylene	25.91	276	3943070m	91.360	ng/ul	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

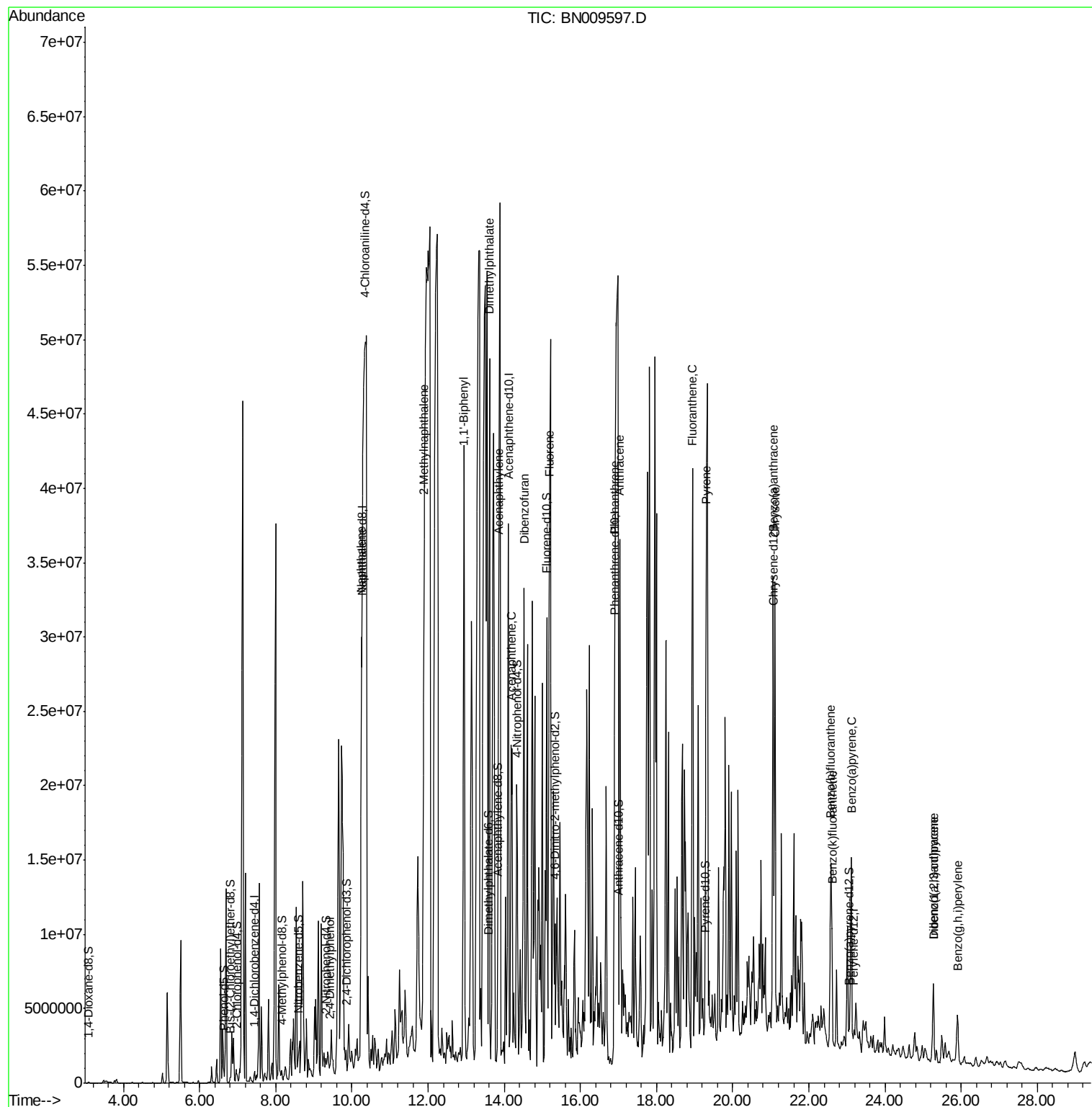
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN020320\
Data File : BN009597.D
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ALS Vial : 73 Sample Multiplier: 1

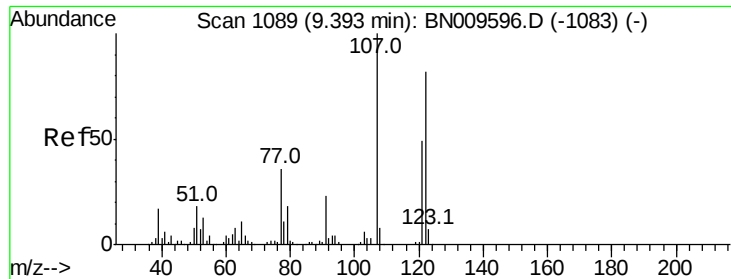
Instrument :
BNA_N
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#24

2,4-Dimethylphenol

Concen: 4.247 ng/ul

RT: 9.42 min Scan# 1093

Delta R.T. 0.02 min

Lab File: BN009597.D

Acq: 05 Feb 2020 12:02

Instrument :

BNA_N

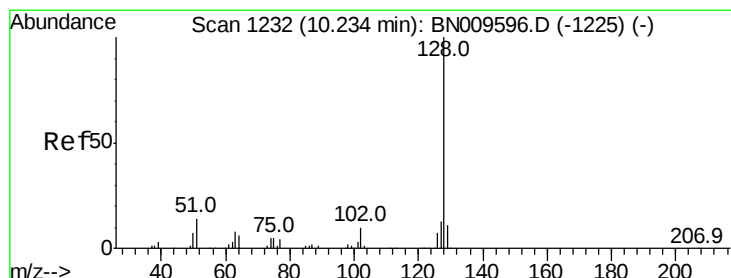
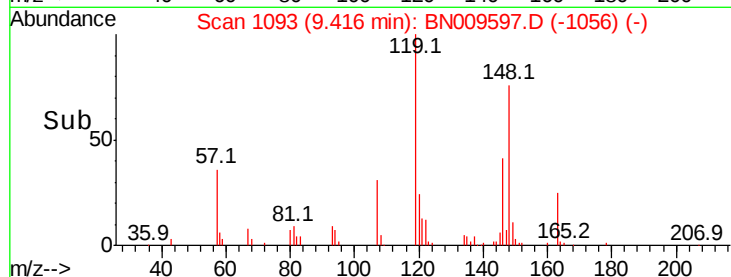
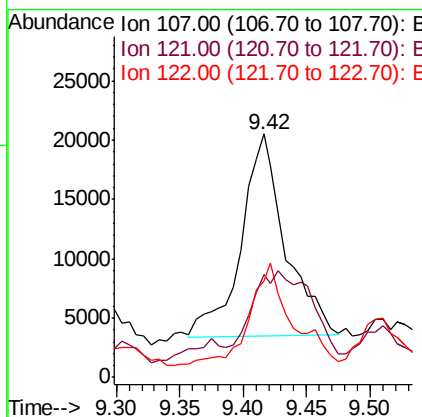
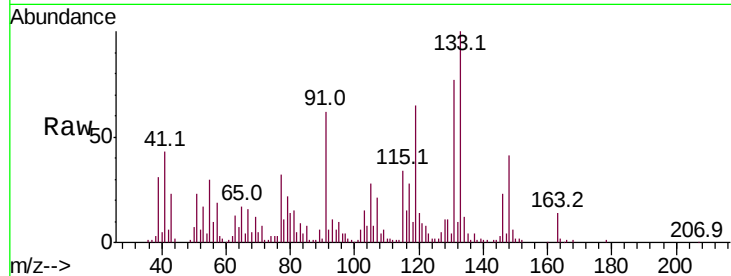
ClientSampled :

GASZ7

Tot Ion:	107	Resp:	41678
Ion Ratio	Lower	Upper	
107	100		
121	42.3	37.3	55.9
122	39.7	64.5	96.7#

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#28

Naphthalene

Concen: 2838.515 ng/ul m

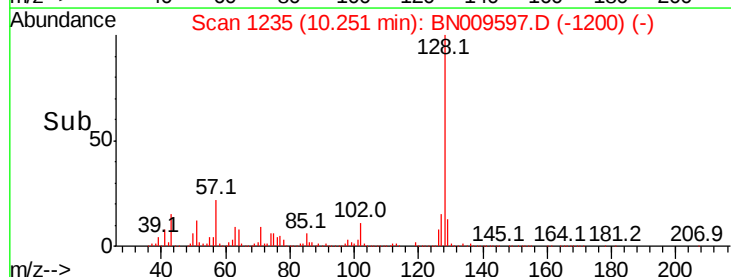
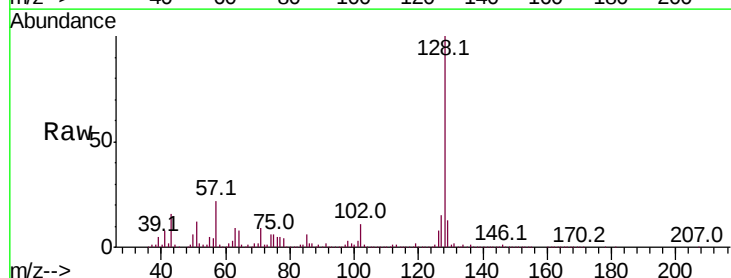
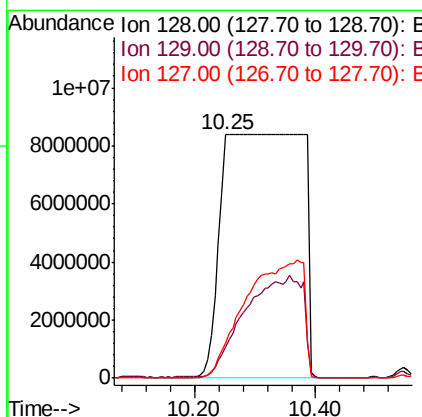
RT: 10.25 min Scan# 1235

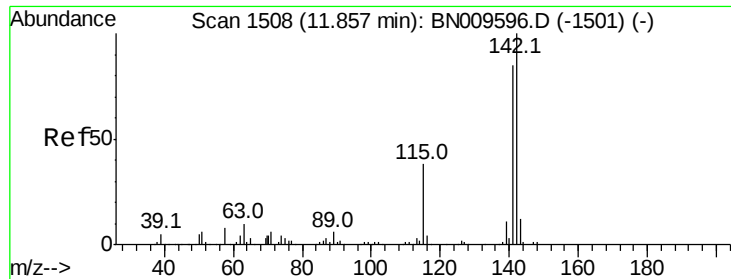
Delta R.T. 0.01 min

Lab File: BN009597.D

Acq: 05 Feb 2020 12:02

Tgt Ion:	128	Resp:	76942782
Ion Ratio	Lower	Upper	
128	100		
129	12.9	8.7	13.1
127	14.6	10.7	16.1





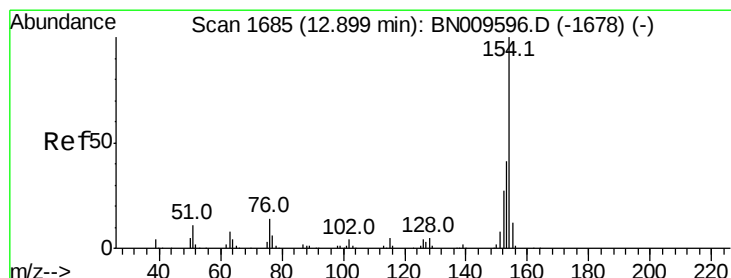
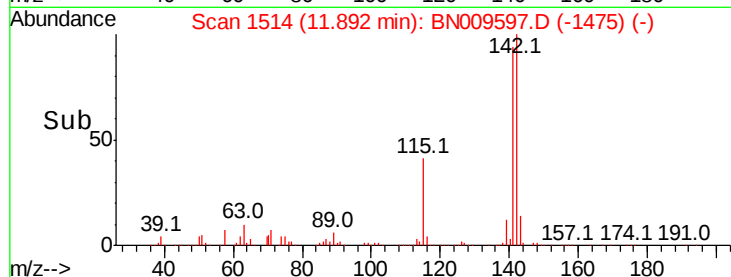
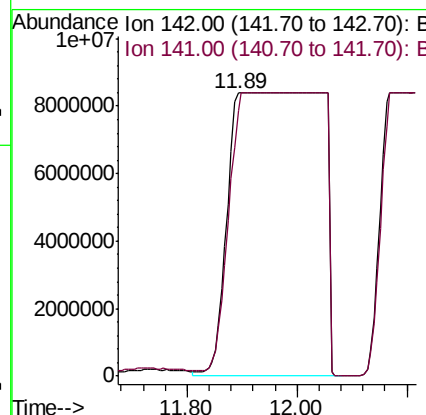
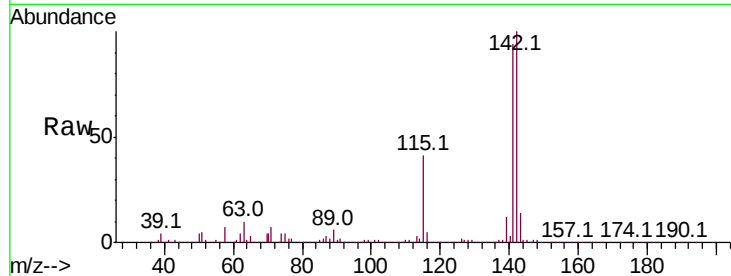
#34
 2-Methylnaphthalene
 Concen: 5083.249 ng/ul m
 RT: 11.89 min Scan# 1514
 Delta R.T. 0.03 min
 Lab File: BN009597.D
 Acq: 05 Feb 2020 12:02

Instrument :
 BNA_N
 ClientSampleId :
 GASZ7

Tot Ion:142 Resp:96427315
 Ion Ratio Lower Upper
 142 100
 141 94.0 71.5 107.3

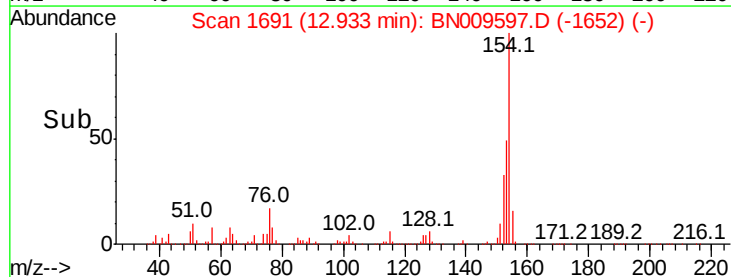
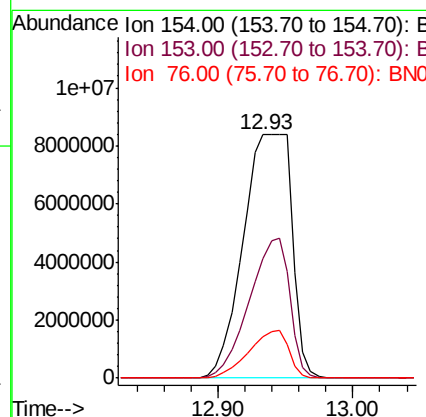
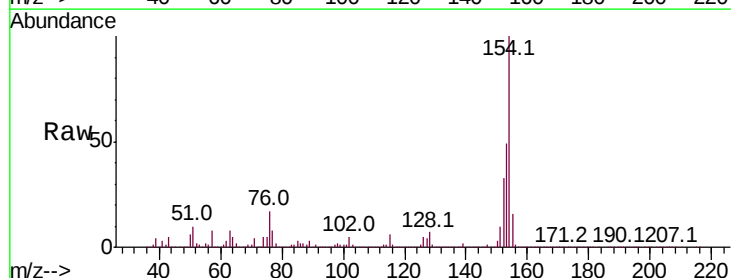
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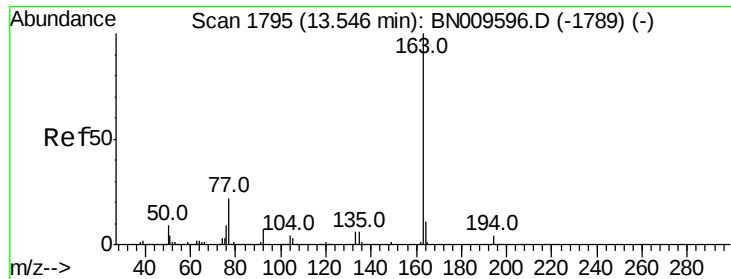
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#40
 1,1'-Biphenyl
 Concen: 334.201 ng/ul m
 RT: 12.93 min Scan# 1691
 Delta R.T. 0.03 min
 Lab File: BN009597.D
 Acq: 05 Feb 2020 12:02

Tgt Ion:154 Resp:21124703
 Ion Ratio Lower Upper
 154 100
 153 48.9 31.2 46.8#
 76 17.0 11.4 17.2





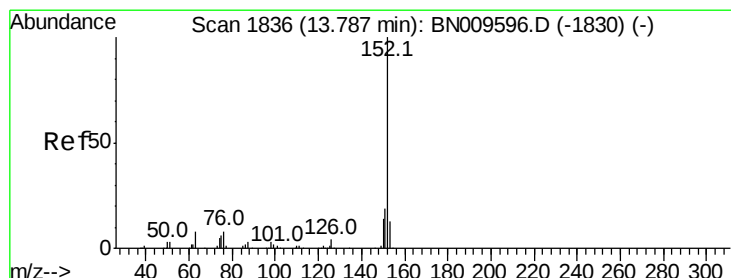
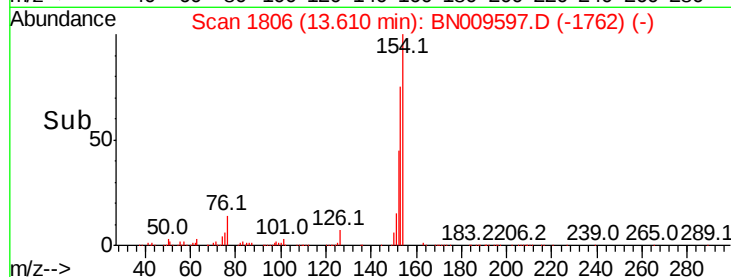
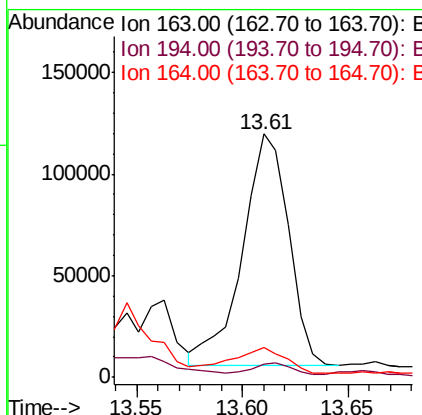
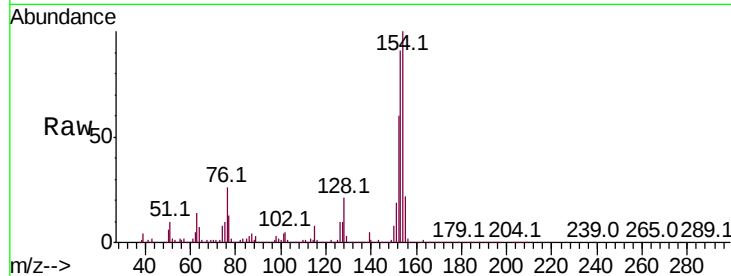
#44
Dimethylphthalate
Concen: 2.744 ng/ul
RT: 13.61 min Scan# 1806
Delta R.T. 0.06 min
Lab File: BN009597.D
Acq: 05 Feb 2020 12:02

Instrument :
BNA_N
ClientSampleId :
GASZ7

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.5	3.5	5.3#
164	12.1	8.0	12.0#

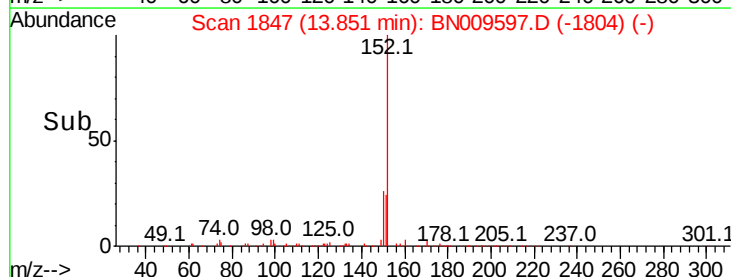
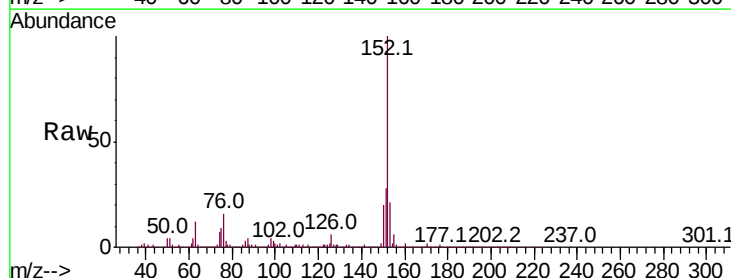
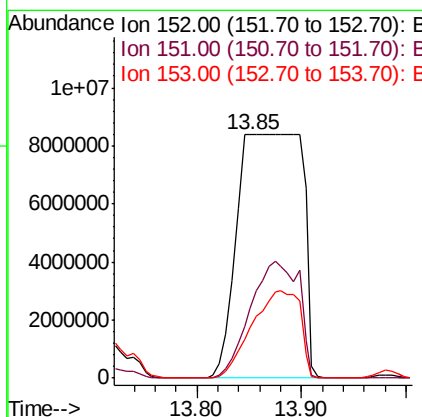
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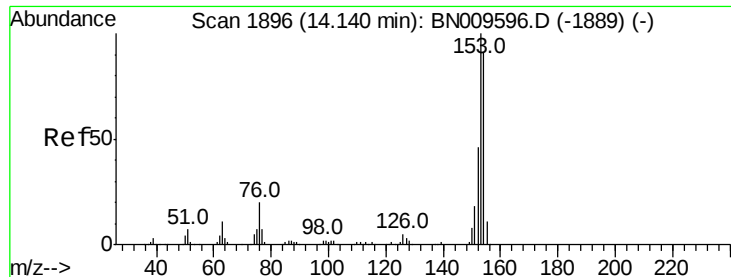
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#47
Acenaphthylene
Concen: 460.767 ng/ul m
RT: 13.85 min Scan# 1847
Delta R.T. 0.05 min
Lab File: BN009597.D
Acq: 05 Feb 2020 12:02

Tgt Ion	Ratio	Lower	Upper
152	100		
151	28.4	16.2	24.2#
153	20.7	10.6	15.8#





#49

Acenaphthene

Concen: 168.711 ng/ul

RT: 14.19 min Scan# 1904

Delta R.T. 0.04 min

Lab File: BN009597.D

Acq: 05 Feb 2020 12:02

Instrument :

BNA_N

ClientSampleId :

GASZ7

Tot Ion:153 Resp: 8987913

Ion Ratio Lower Upper

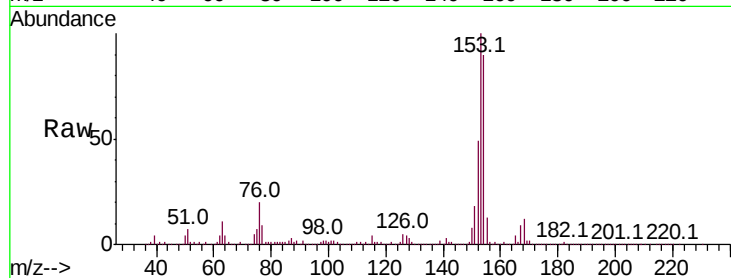
153 100

152 48.8 37.3 55.9

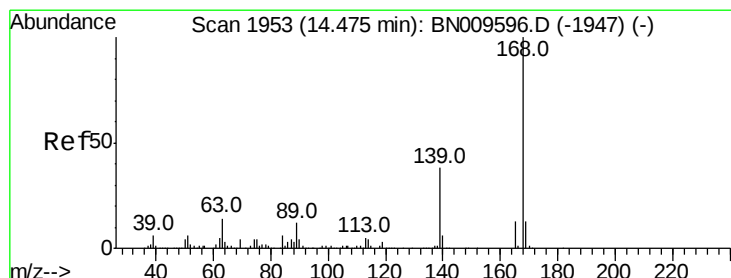
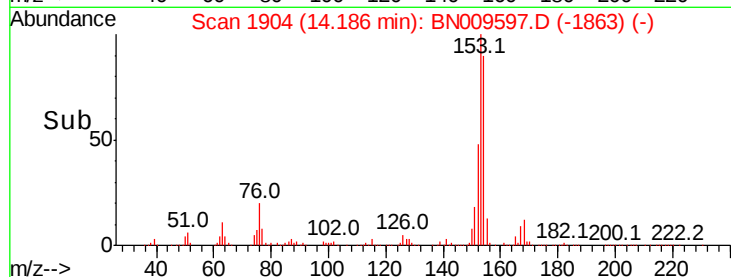
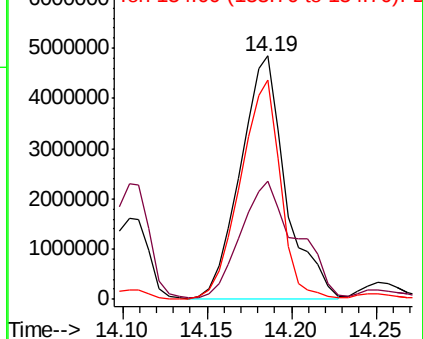
154 90.0 70.2 105.2

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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 127.632 ng/ul

RT: 14.52 min Scan# 1960

Delta R.T. 0.03 min

Lab File: BN009597.D

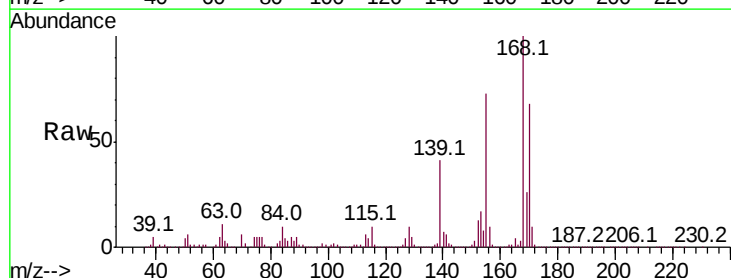
Acq: 05 Feb 2020 12:02

Tgt Ion:168 Resp: 9468363

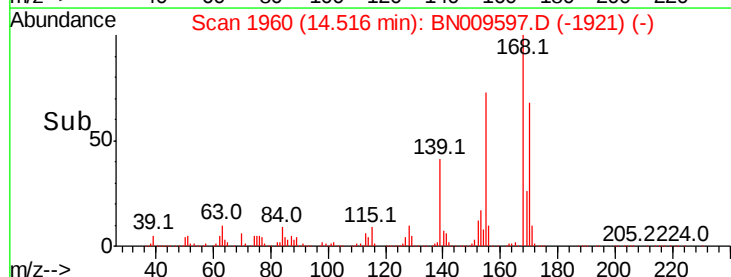
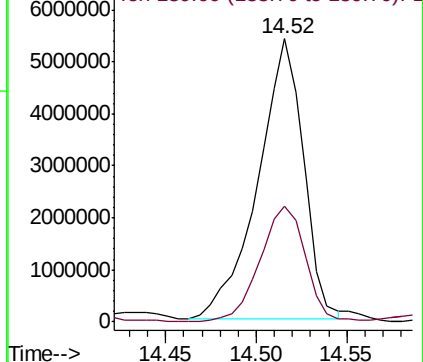
Ion Ratio Lower Upper

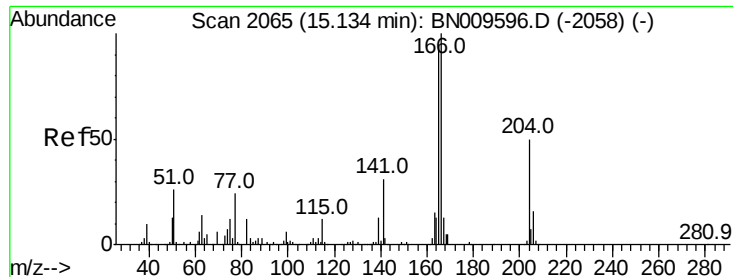
168 100

139 40.7 29.5 44.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 506.582 ng/ul m

RT: 15.18 min Scan# 2073

Delta R.T. 0.04 min

Lab File: BN009597.D

Acq: 05 Feb 2020 12:02

Instrument :

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ClientSampleId :

GASZ7

Tot Ion:166 Resp:31407397

Ion Ratio Lower Upper

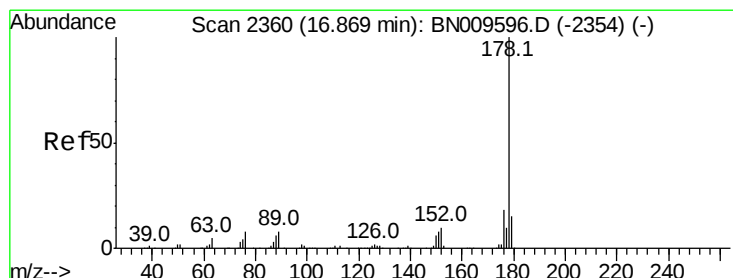
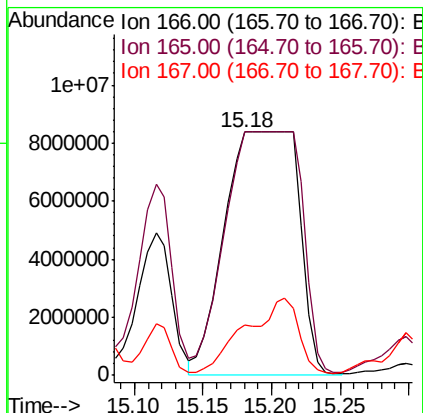
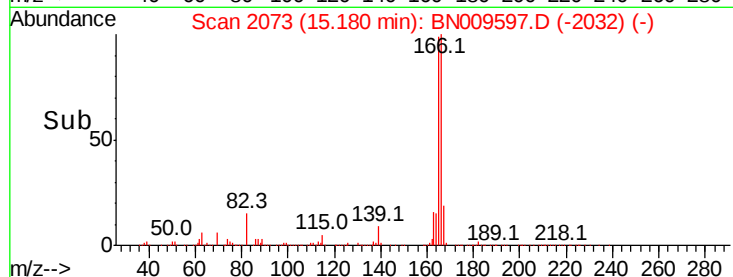
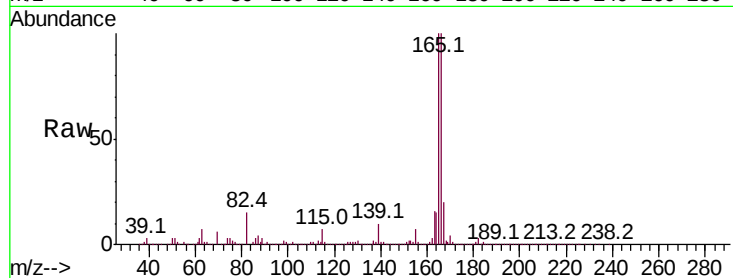
166 100

165 100.0 76.7 115.1

167 20.4 11.1 16.7#

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#69

Phenanthrene

Concen: 1667.956 ng/ul m

RT: 16.90 min Scan# 2365

Delta R.T. 0.02 min

Lab File: BN009597.D

Acq: 05 Feb 2020 12:02

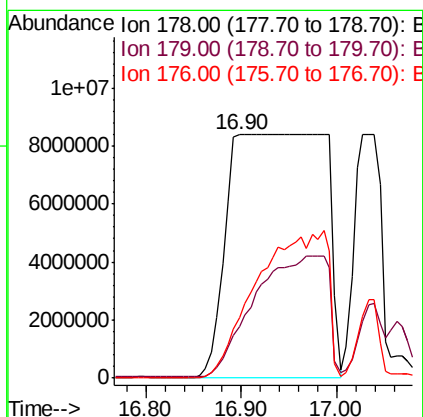
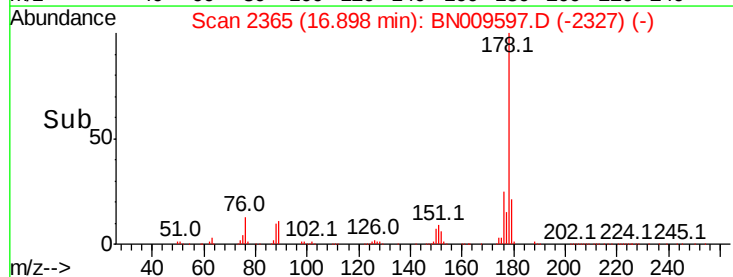
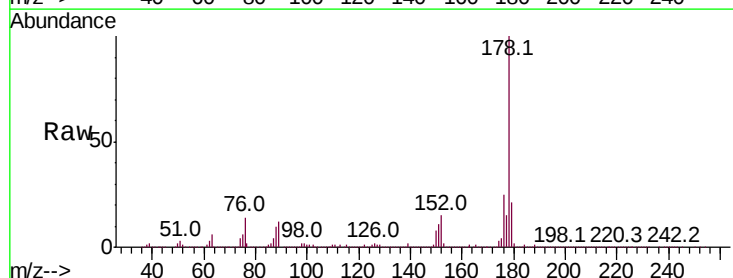
Tgt Ion:178 Resp:59079732

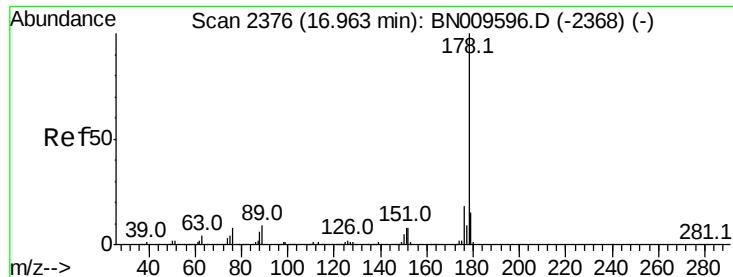
Ion Ratio Lower Upper

178 100

179 21.2 12.2 18.2#

176 25.0 14.8 22.2#





#71

Anthracene

Concen: 474.250 ng/ul m

RT: 17.03 min Scan# 2387

Delta R.T. 0.06 min

Lab File: BN009597.D

Acq: 05 Feb 2020 12:02

Instrument :

BNA_N

ClientSampleId :

GASZ7

Tot Ion:178 Resp:17044406

Ion Ratio Lower Upper

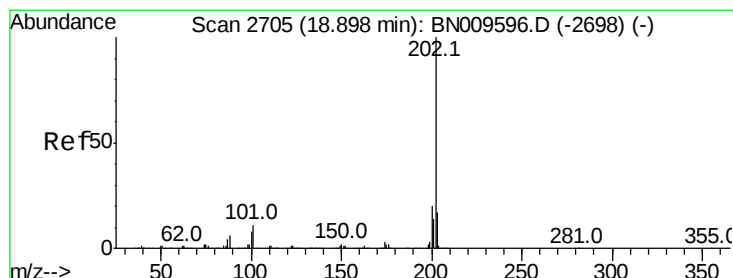
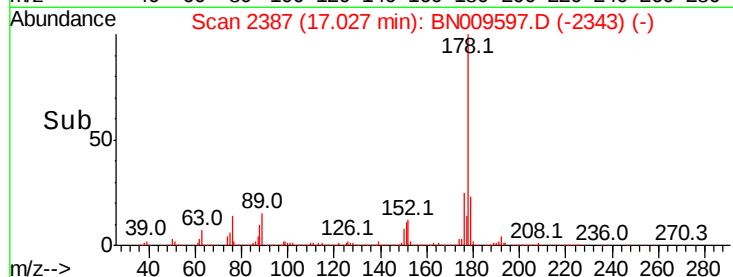
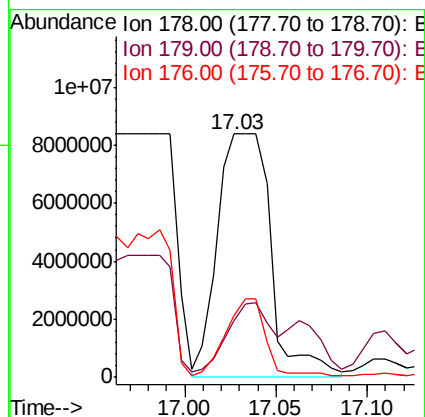
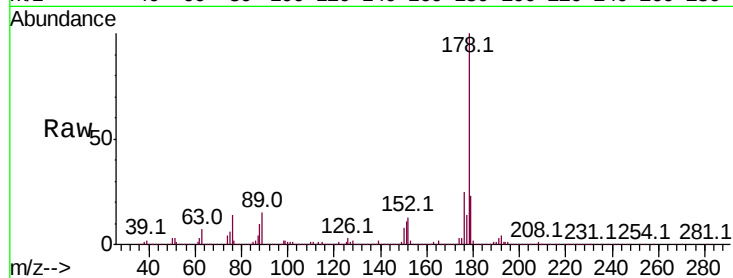
178 100

179 23.2 12.1 18.1#

176 25.2 14.6 21.8#

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#76

Fluoranthene

Concen: 604.910 ng/ul m

RT: 18.93 min Scan# 2711

Delta R.T. 0.03 min

Lab File: BN009597.D

Acq: 05 Feb 2020 12:02

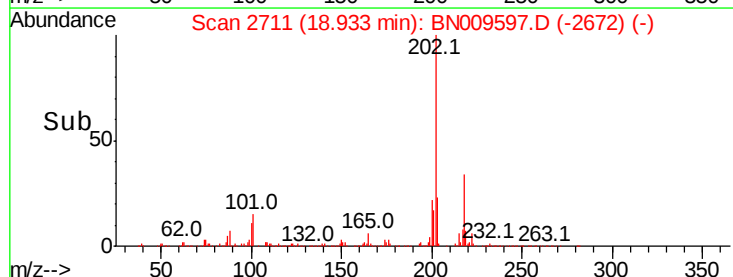
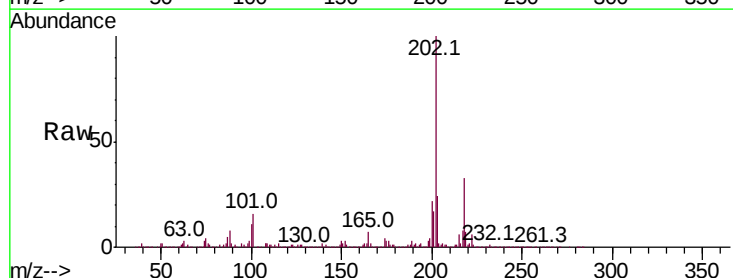
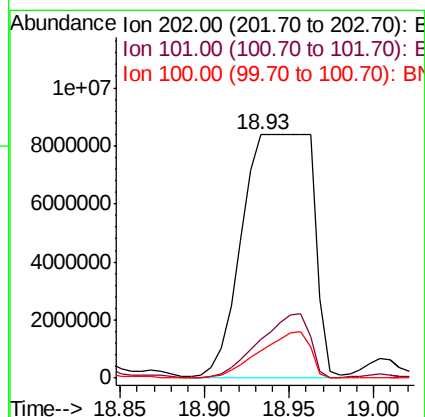
Tgt Ion:202 Resp:24454130

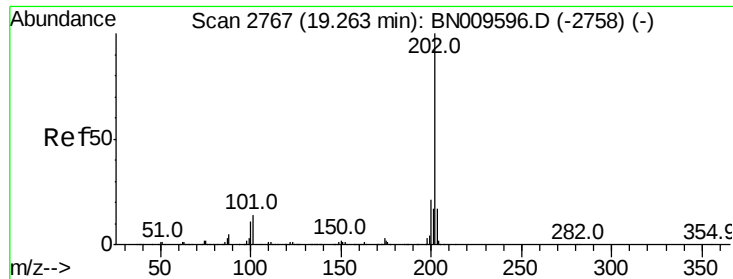
Ion Ratio Lower Upper

202 100

101 16.0 9.2 13.8#

100 11.2 6.9 10.3#





#79

Pvrene

Concen: 668.943 ng/ul m

RT: 19.30 min Scan# 2773

Delta R.T. 0.03 min

Lab File: BN009597.D

Acq: 05 Feb 2020 12:02

Instrument :

BNA_N

ClientSampleId :

GASZ7

Tot Ion:202 Resp:31356267

Ion Ratio Lower Upper

202 100

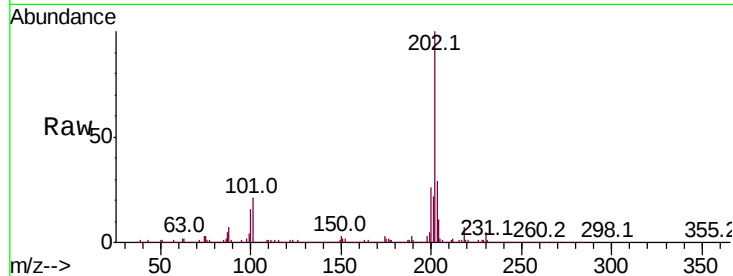
101 20.6 10.3 15.5#

100 15.8 8.4 12.6#

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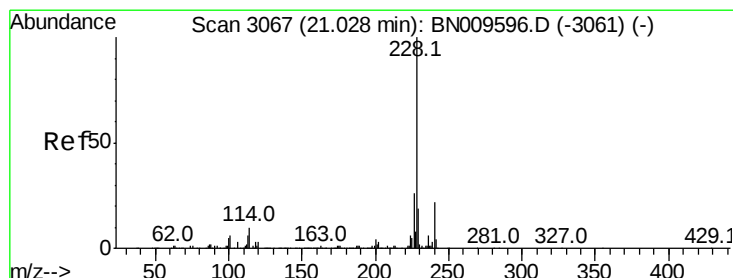
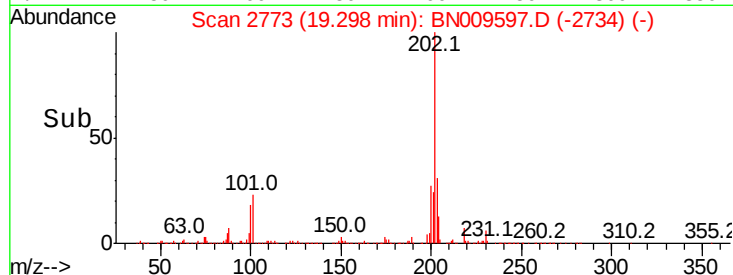
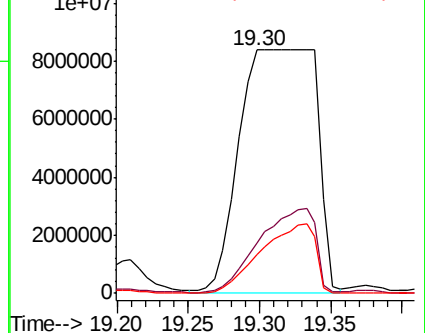
2/6/2020 8:12:30 AM



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: 410.625 ng/ul m

RT: 21.06 min Scan# 3072

Delta R.T. 0.03 min

Lab File: BN009597.D

Acq: 05 Feb 2020 12:02

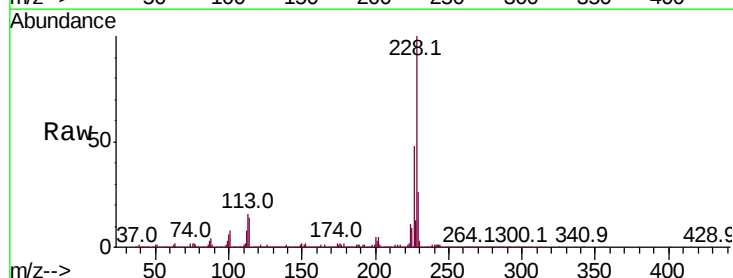
Tgt Ion:228 Resp:18204856

Ion Ratio Lower Upper

228 100

229 25.6 15.0 22.4#

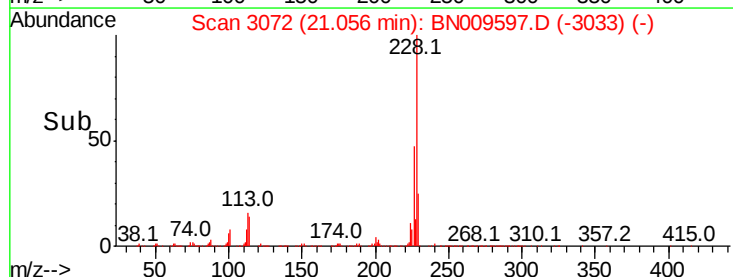
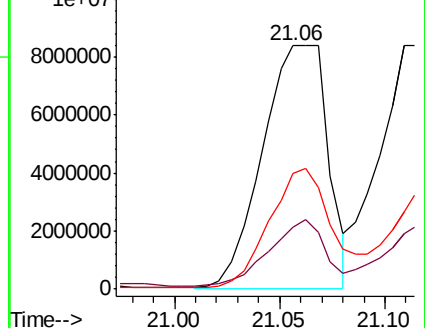
226 47.7 20.9 31.3#

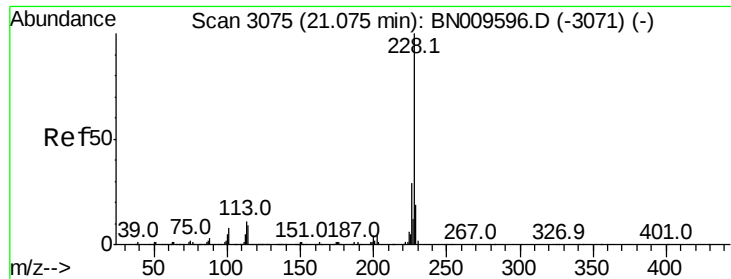


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





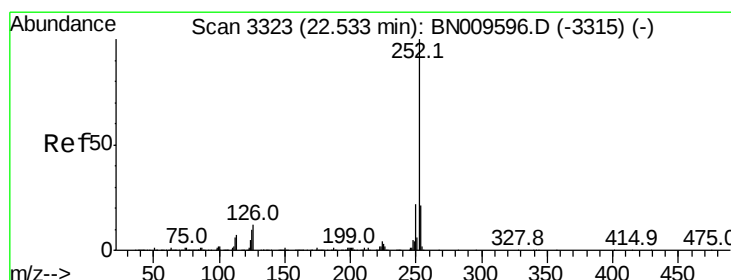
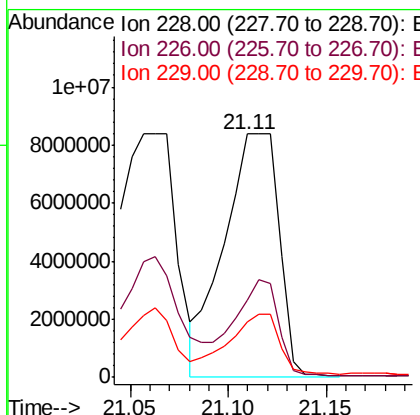
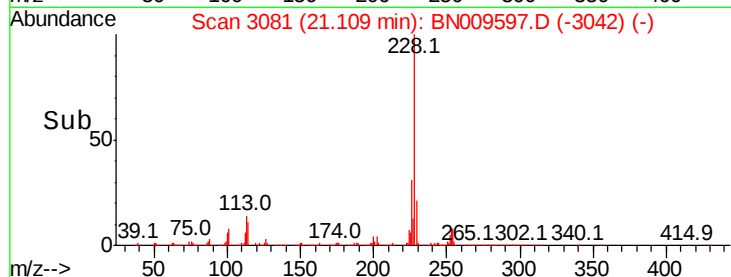
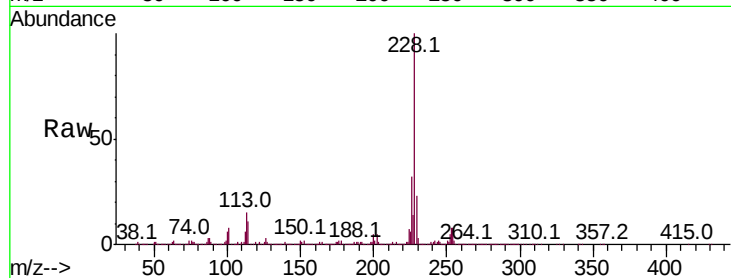
#84
Chrysene
Concen: 373.318 ng/ul m
RT: 21.11 min Scan# 3081
Delta R.T. 0.03 min
Lab File: BN009597.D
Acq: 05 Feb 2020 12:02

Instrument :
BNA_N
ClientSampleId :
GASZ7

Tot Ion:228 Resp:16476860
Ion Ratio Lower Upper
228 100
226 31.9 23.5 35.3
229 22.5 15.8 23.8

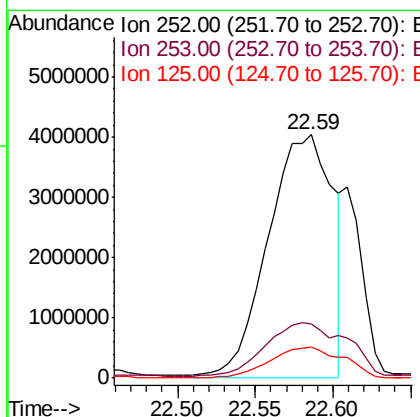
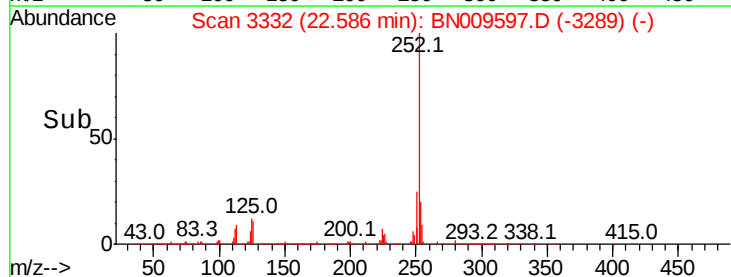
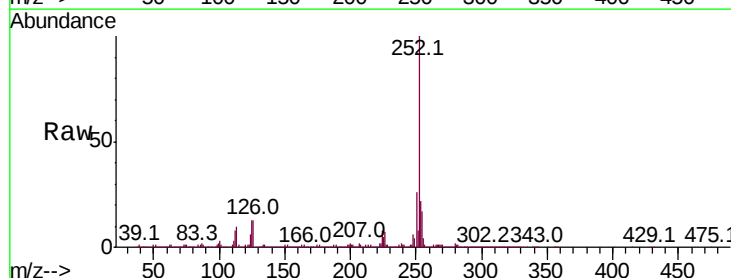
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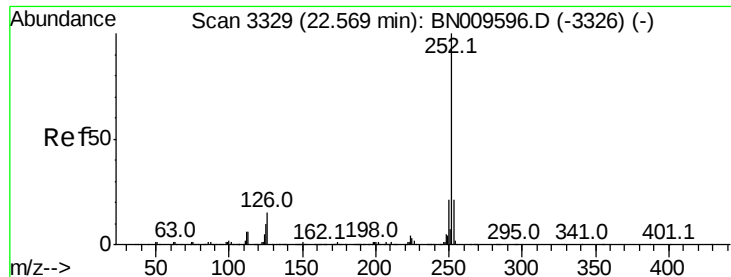
mohammad
2/6/2020 8:12:30 AM



#87
Benzo(b)fluoranthene
Concen: 251.153 ng/ul m
RT: 22.59 min Scan# 3332
Delta R.T. 0.05 min
Lab File: BN009597.D
Acq: 05 Feb 2020 12:02

Tgt Ion:252 Resp:11741532
Ion Ratio Lower Upper
252 100
253 22.2 17.0 25.6
125 12.7 8.2 12.2#





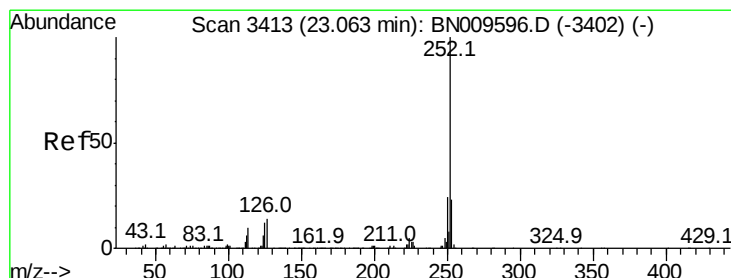
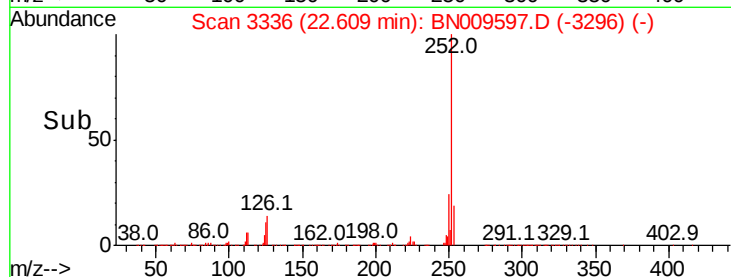
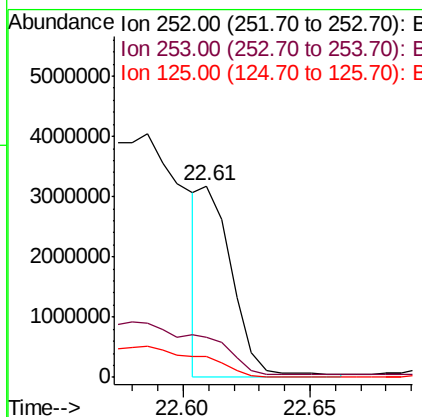
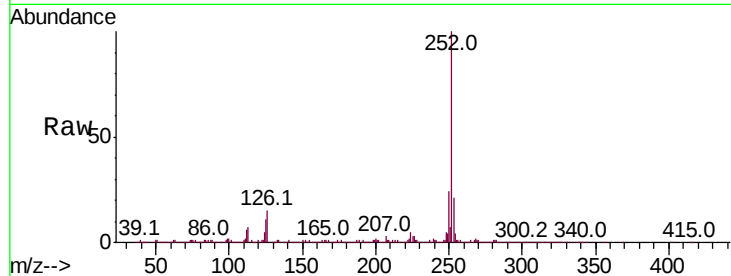
#88
Benzo(k)fluoranthene
Concen: 61.117 ng/ul m
RT: 22.61 min Scan# 3336
Delta R.T. 0.04 min
Lab File: BN009597.D
Acq: 05 Feb 2020 12:02

Instrument :
BNA_N
ClientSampled :
GASZ7

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.0	25.4
125	11.1	8.0	12.0

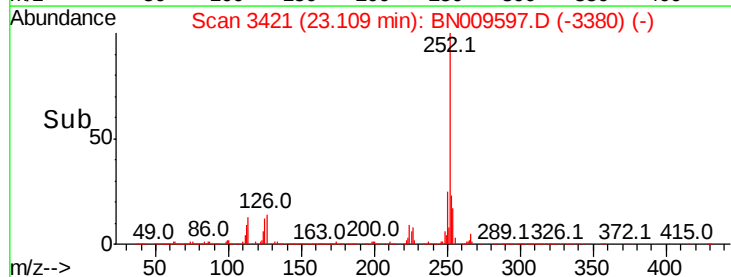
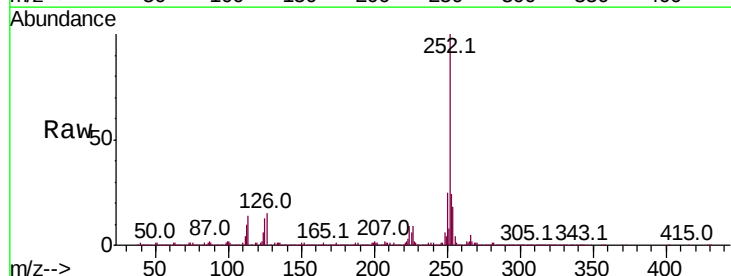
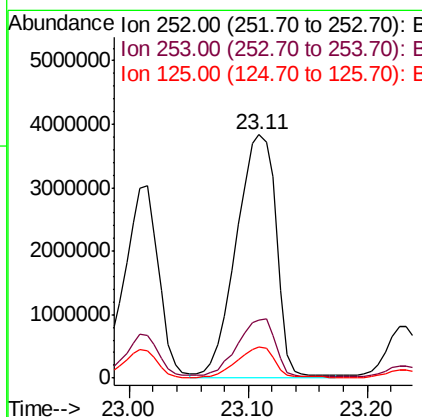
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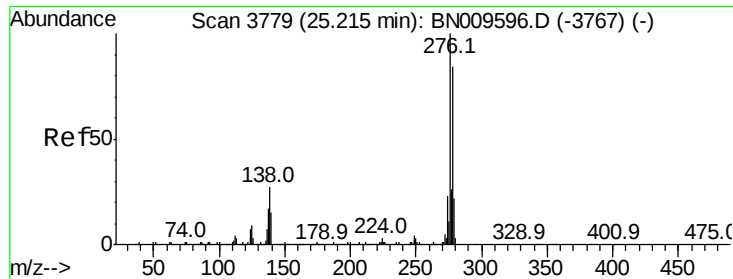
mohammad
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#90
Benzo(a)pyrene
Concen: 208.772 ng/ul m
RT: 23.11 min Scan# 3421
Delta R.T. 0.04 min
Lab File: BN009597.D
Acq: 05 Feb 2020 12:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	15.8	23.8
125	12.6	8.7	13.1





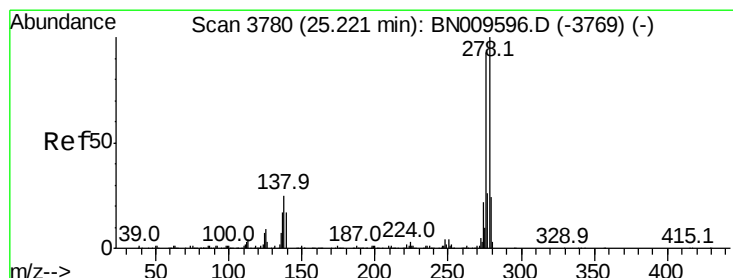
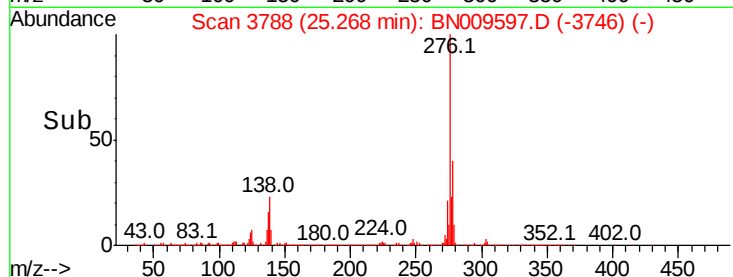
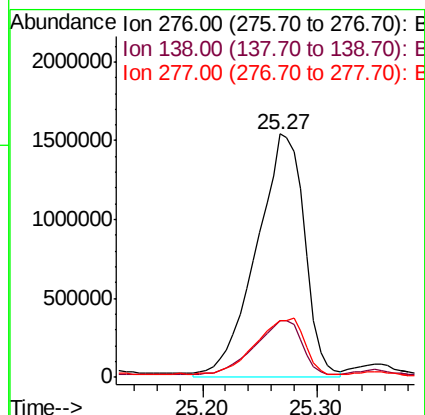
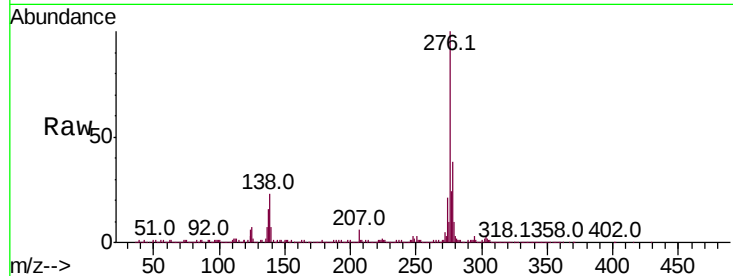
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 88.000 ng/ul m
 RT: 25.27 min Scan# 3788
 Delta R.T. 0.05 min
 Lab File: BN009597.D
 Acq: 05 Feb 2020 12:02

Instrument :
 BNA_N
 ClientSampleId :
 GASZ7

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.2	20.3	30.5
277	23.5	21.2	31.8

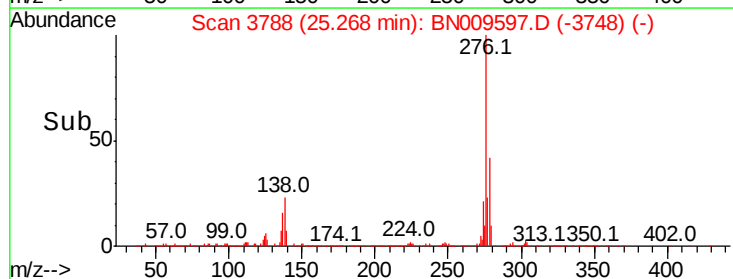
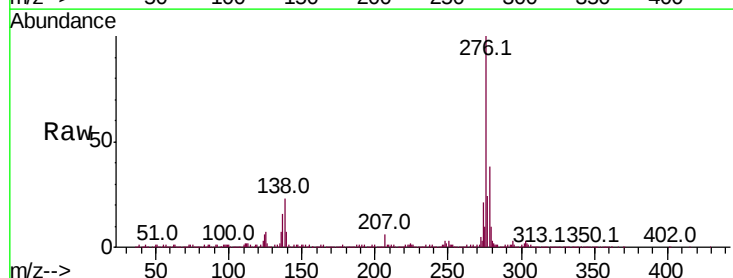
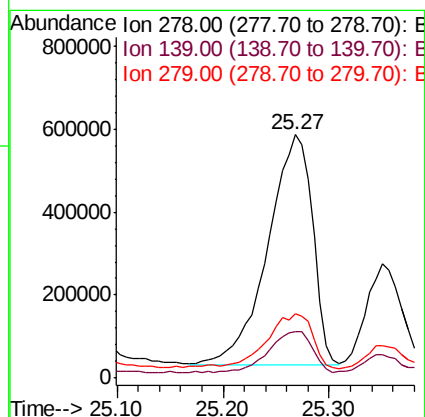
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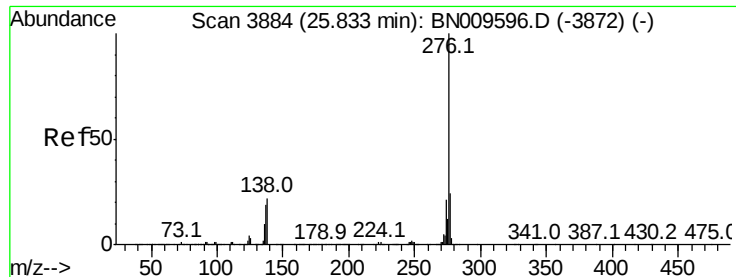
mohammad
 2/6/2020 8:12:30 AM



#92
 Dibenzo(a,h)anthracene
 Concen: 37.611 ng/ul m
 RT: 25.27 min Scan# 3788
 Delta R.T. 0.04 min
 Lab File: BN009597.D
 Acq: 05 Feb 2020 12:02

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.3	12.7	19.1#
279	26.5	19.8	29.8





#93

Benzo(a,h,i)perylene

Concen: 91.360 ng/ul m

RT: 25.91 min Scan# 3897

Delta R.T. 0.06 min

Lab File: BN009597.D

Acq: 05 Feb 2020 12:02

Instrument :

BNA_N

ClientSampled :

GASZ7

Tot Ion:276 Resp: 3943070

Ion Ratio Lower Upper

276 100

138 23.7 16.0 24.0

277 24.5 17.0 25.6

Manual Integrations

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2/6/2020 8:12:30 AM

