

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
 Data File : BN009507.D
 Acq On : 31 Jan 2020 12:41
 Operator : CG/JU
 Sample : L1271-02MS
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASZ4MS

Manual Integrations
 APPROVED

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 2/3/2020 4:08:45 PM

Quant Time: Jan 31 23:45:25 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jan 31 22:58:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	161414	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.22	136	682841	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.09	164	505313	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.85	188	837338	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	715179	20.00	ng/ul	0.00
85) Perylene-d12	23.16	264	794705	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	29540	7.57	ng/uL	0.00
5) Phenol-d5	6.65	99	276450	19.31	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.81	67	198610	19.55	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	221276	21.17	ng/ul	-0.01
13) 4-Methylphenol-d8	8.16	113	177944	15.62	ng/ul	0.00
19) Nitrobenzene-d5	8.60	128	115340	23.22	ng/ul	0.00
22) 2-Nitrophenol-d4	9.31	143	124817	23.96	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.85	165	214478	20.77	ng/ul	0.00
29) 4-Chloroaniline-d4	10.35	131	238712	19.14	ng/ul	0.00
43) Dimethylphthalate-d6	13.52	166	675048	18.05	ng/ul	0.00
46) Acenaphthylene-d8	13.79	160	794298	17.89	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	122894	17.66	ng/ul	0.00
57) Fluorene-d10	15.09	176	614492	18.72	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.25	200	88538	17.46	ng/ul	0.02
70) Anthracene-d10	16.95	188	861059	22.23	ng/ul	0.00
78) Pyrene-d10	19.25	212	948016	24.64	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.03	264	950689	23.70	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.68	94	414804	27.661	ng/ul 96
10) 2-Chlorophenol	7.03	128	262904	24.180	ng/ul 95
15) N-Nitroso-di-n-propylamine	8.26	70	228193	22.829	ng/ul 88
28) Naphthalene	10.26	128	43465303m	1182.845	ng/ul
33) 4-Chloro-3-methylphenol	11.53	107	283115	23.067	ng/ul 91
34) 2-Methylnaphthalene	11.90	142	41266625m	1631.259	ng/ul
40) 1,1'-Biphenyl	12.92	154	4567890	119.381	ng/ul 98
44) Dimethylphthalate	13.56	163	155283	4.033	ng/ul 99
47) Acenaphthylene	13.82	152	679814	14.191	ng/ul# 62
49) Acenaphthene	14.16	153	1553075	47.522	ng/ul 99
52) 4-Nitrophenol	14.33	109	112030	17.390	ng/ul# 69
53) Dibenzofuran	14.50	168	1802421	39.695	ng/ul 99
54) 2,4-Dinitrotoluene	14.49	165	397654	36.393	ng/ul# 55
58) Fluorene	15.15	166	3202625	84.175	ng/ul# 97
64) N-Nitrosodiphenylamine	15.37	169	144119	5.813	ng/ul# 86
68) Pentachlorophenol	16.52	266	108029	19.852	ng/ul 88
69) Phenanthrene	16.90	178	22392937m	473.959	ng/ul
71) Anthracene	16.98	178	1735310	36.073	ng/ul 97
74) Carbazole	17.25	167	54747	1.329	ng/ul# 77
76) Fluoranthene	18.92	202	4977769	91.907	ng/ul 99
79) Pyrene	19.29	202	9139077	176.485	ng/ul 97
82) Benzo(a)anthracene	21.04	228	2453799	50.383	ng/ul 95
84) Chrysene	21.09	228	2266821	47.780	ng/ul 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Benzo(b)fluoranthene	22.55	252	1118905	22.267	ng/ul#	97
88) Benzo(k)fluoranthene	22.58	252	325688m	6.592	ng/ul	
90) Benzo(a)pyrene	23.07	252	870343	19.297	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.23	276	387614	7.091	ng/ul	94
92) Dibenzo(a,h)anthracene	25.23	278	162641	3.527	ng/ul	96
93) Benzo(a,h,i)perylene	25.86	276	318438	7.004	ng/ul	98

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

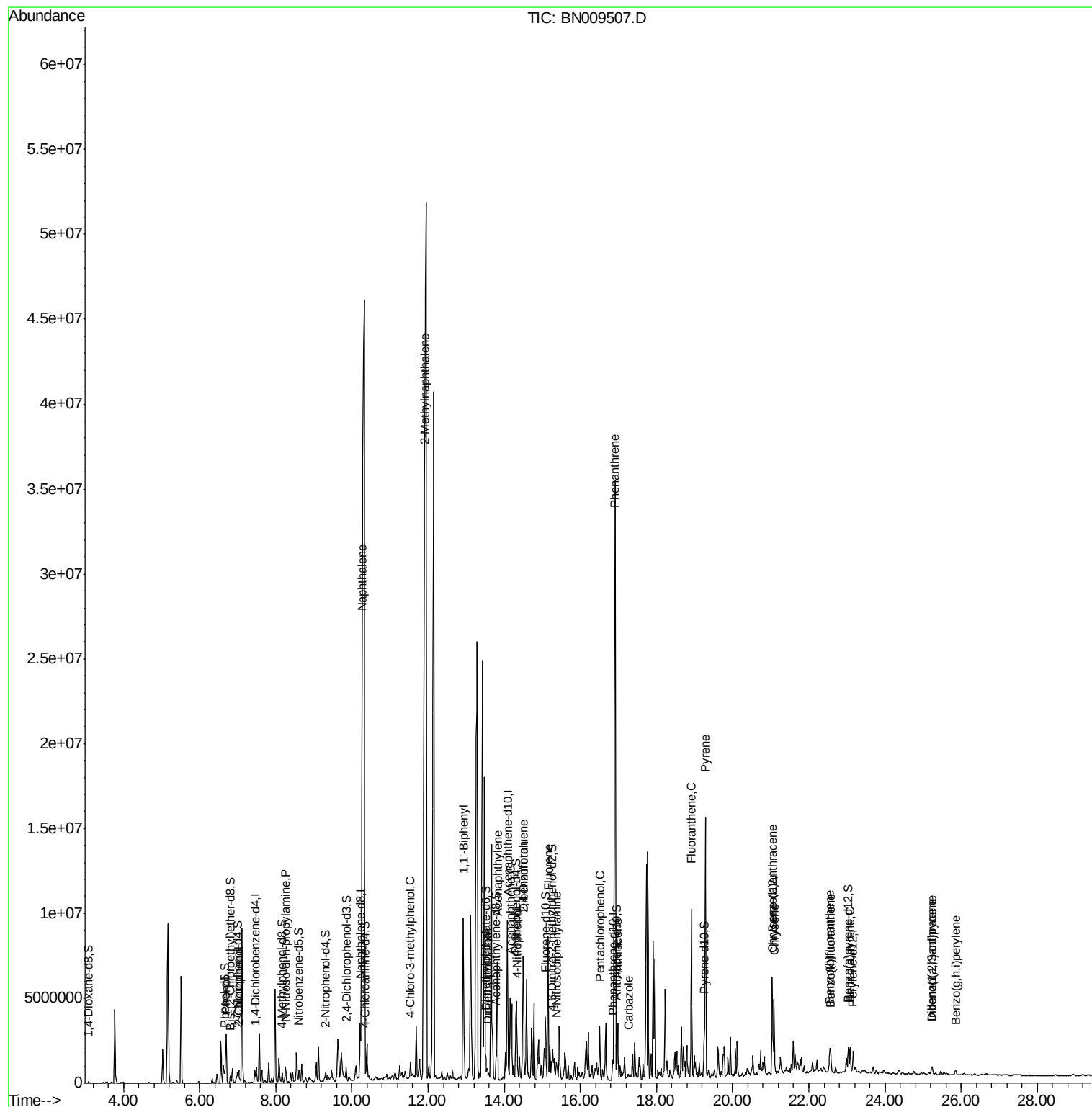
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN013020\
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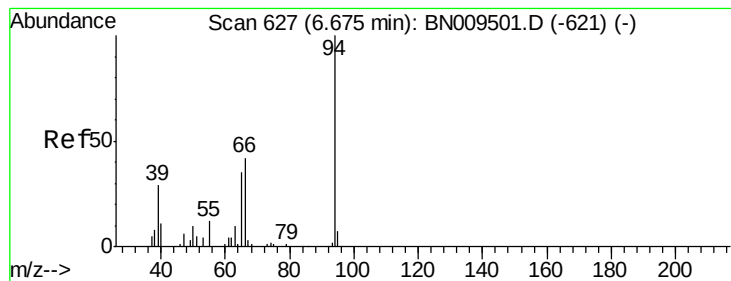
Instrument :
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#6

Phenol

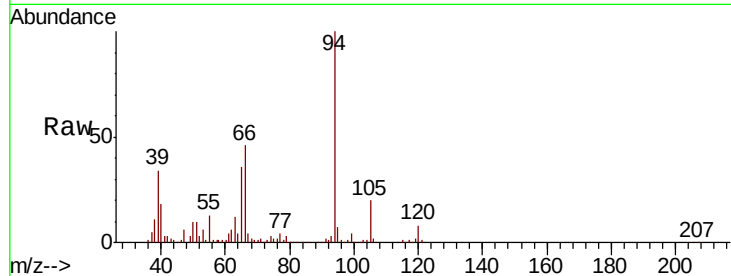
Concen: 27.661 ng/ul
 RT: 6.68 min Scan# 627
 Delta R.T. -0.01 min
 Lab File: BN009507.D
 Acq: 31 Jan 2020 12:41

Instrument :
 BNA_N
 ClientSampleId :
 GASZ4MS

Tot Ion	Ratio	Lower	Upper
94	100		
65	36.4	29.4	44.0
66	45.7	39.8	59.8

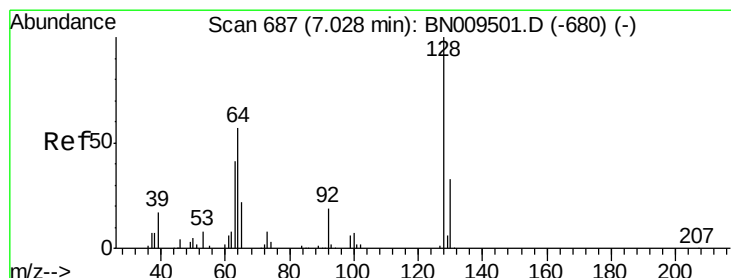
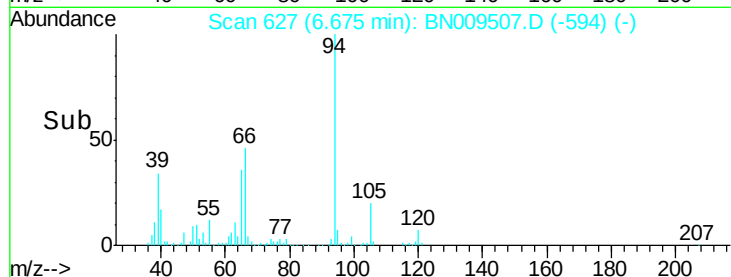
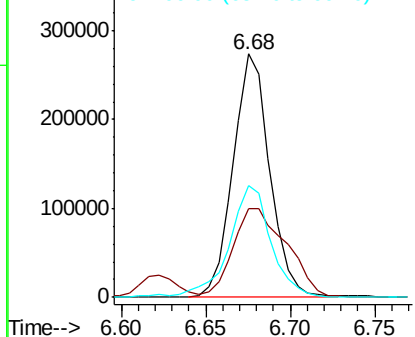
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Abundance

Ion 94.00 (93.70 to 94.70): BN009501.D (-621) (-)

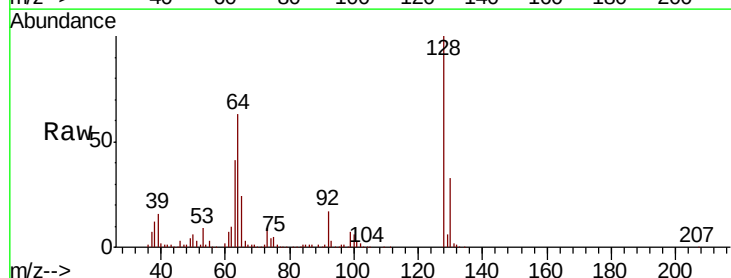


#10

2-Chlorophenol

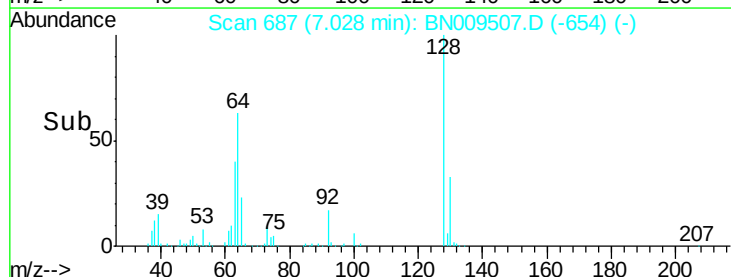
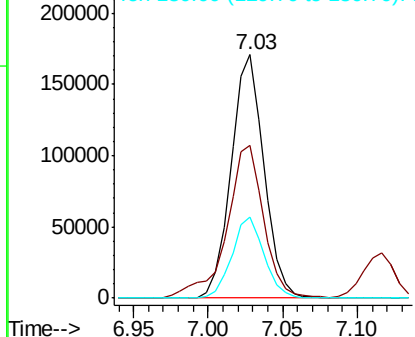
Concen: 24.180 ng/ul
 RT: 7.03 min Scan# 687
 Delta R.T. -0.01 min
 Lab File: BN009507.D
 Acq: 31 Jan 2020 12:41

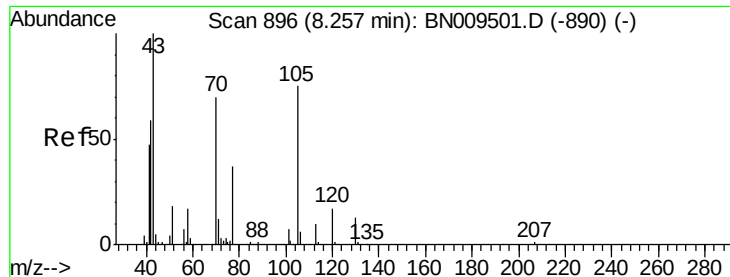
Tgt Ion	Ratio	Lower	Upper
128	100		
64	62.8	54.3	81.5
130	33.4	27.9	41.9



Abundance

Ion 128.00 (127.70 to 128.70): BN009501.D (-680) (-)





#15

N-Nitroso-di-n-propylamine

Concen: 22.829 ng/ul

RT: 8.26 min Scan# 896

Delta R.T. -0.01 min

Lab File: BN009507.D

Acq: 31 Jan 2020 12:41

Instrument :

BNA_N

ClientSampleId :

GASZ4MS

Tot Ion: 70 Resp: 228193

Ion Ratio Lower Upper

70 100

42 78.3 73.6 110.4

101 9.3 7.5 11.3

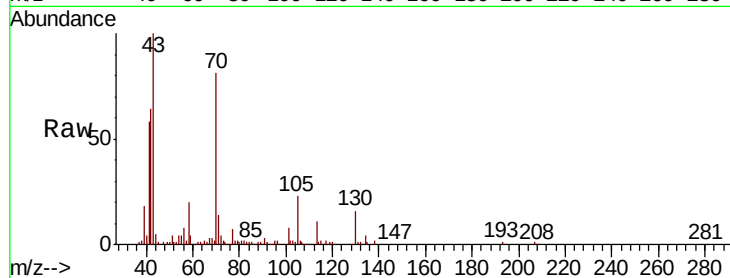
130 19.5 14.2 21.4

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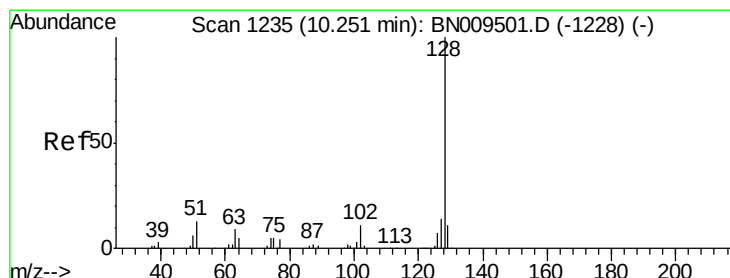
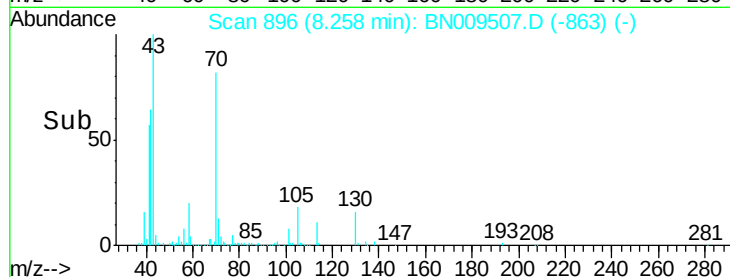
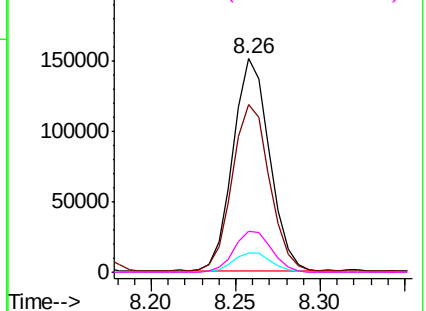


Abundance Ion 70.00 (69.70 to 70.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#28

Naphthalene

Concen: 1182.845 ng/ul m

RT: 10.26 min Scan# 1237

Delta R.T. -0.00 min

Lab File: BN009507.D

Acq: 31 Jan 2020 12:41

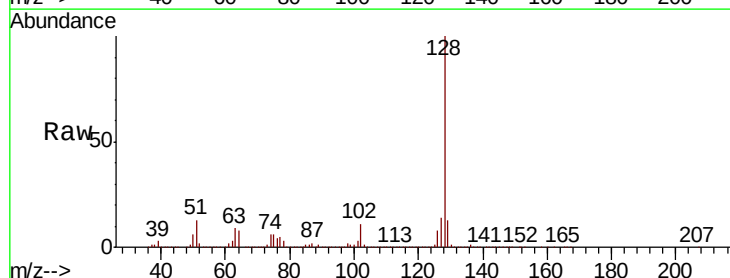
Tgt Ion:128 Resp:43465303

Ion Ratio Lower Upper

128 100

129 12.7 8.1 12.1#

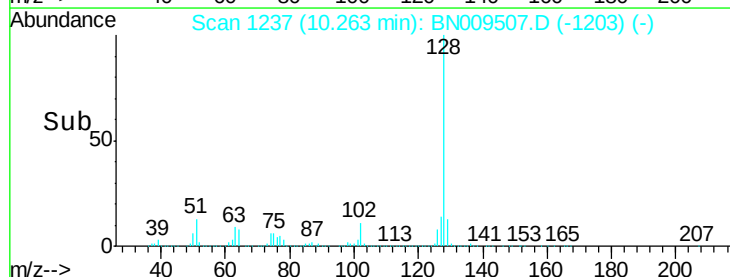
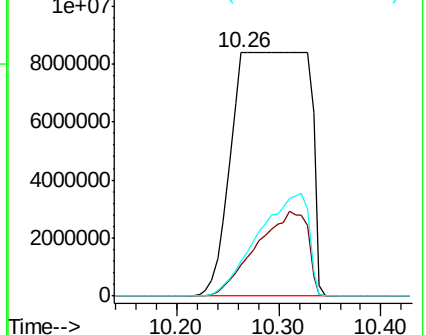
127 14.5 11.0 16.6

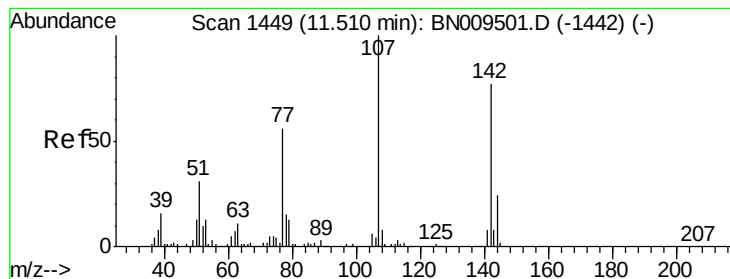


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#33

4-Chloro-3-methylphenol

Concen: 23.067 ng/ul

RT: 11.53 min Scan# 1453

Delta R.T. 0.02 min

Lab File: BN009507.D

Acq: 31 Jan 2020 12:41

Instrument :

BNA_N

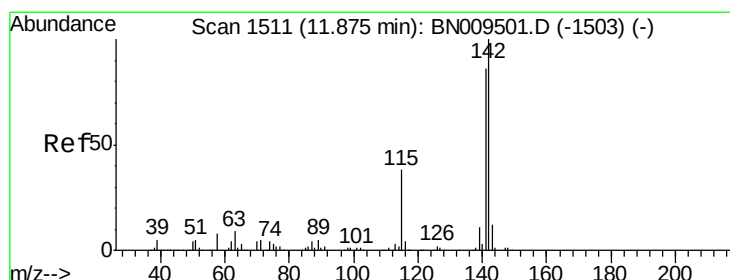
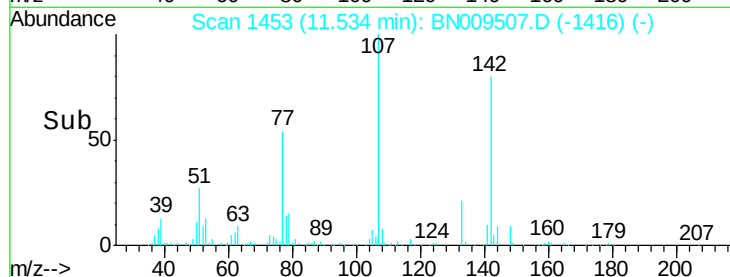
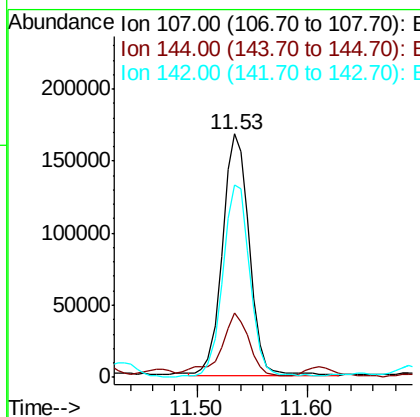
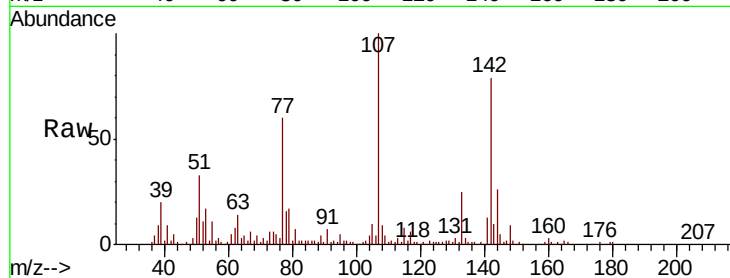
ClientSampleId :

GASZ4MS

Tot Ion:	107	Resp:	283115
Ion Ratio	Lower	Upper	
107	100		
144	26.5	18.9	28.3
142	79.2	56.8	85.2

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#34

2-Methylnaphthalene

Concen: 1631.259 ng/ul m

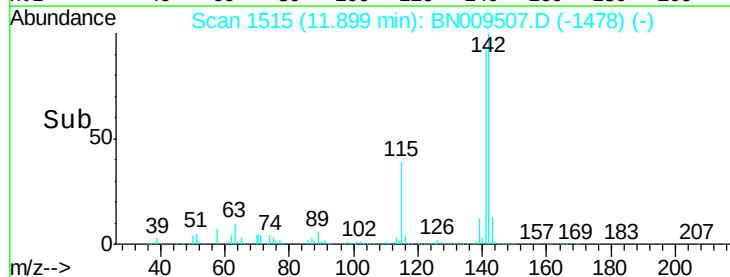
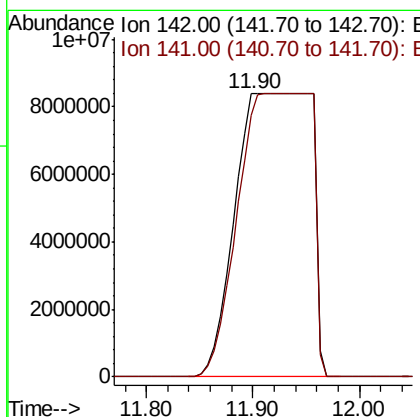
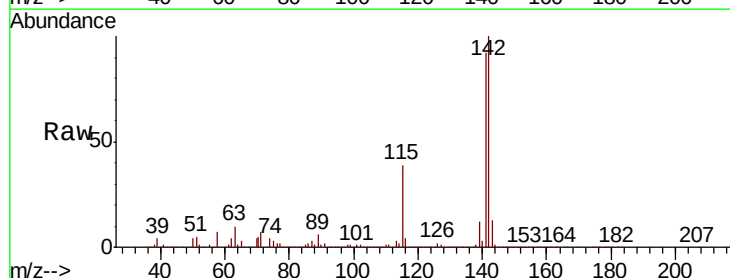
RT: 11.90 min Scan# 1515

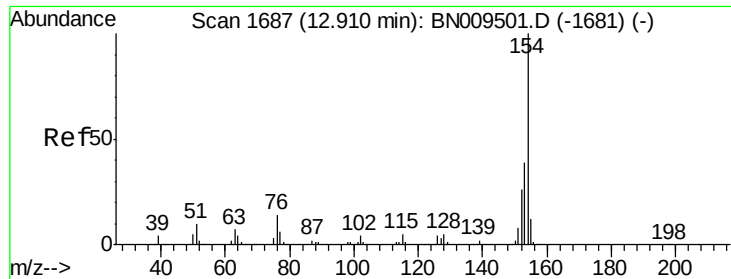
Delta R.T. 0.02 min

Lab File: BN009507.D

Acq: 31 Jan 2020 12:41

Tgt Ion:	142	Resp:	41266625
Ion Ratio	Lower	Upper	
142	100		
141	92.3	69.3	103.9





#40

1,1'-Biphenyl

Concen: 119.381 ng/ul

RT: 12.92 min Scan# 1689

Delta R.T. -0.00 min

Lab File: BN009507.D

Acq: 31 Jan 2020 12:41

Instrument :

BNA_N

ClientSampleId :

GASZ4MS

Tot Ion:154 Resp: 4567890

Ion Ratio Lower Upper

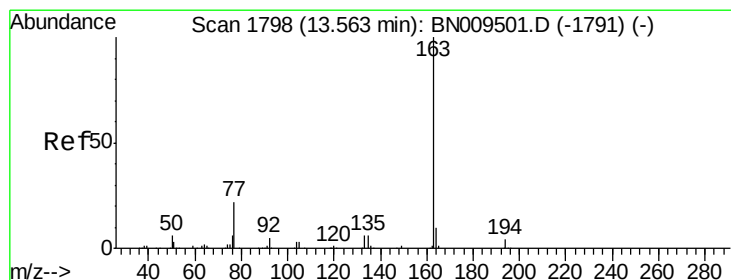
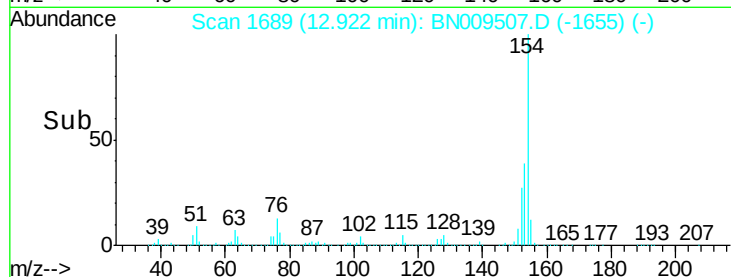
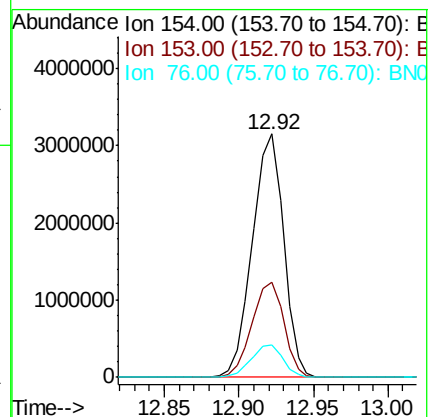
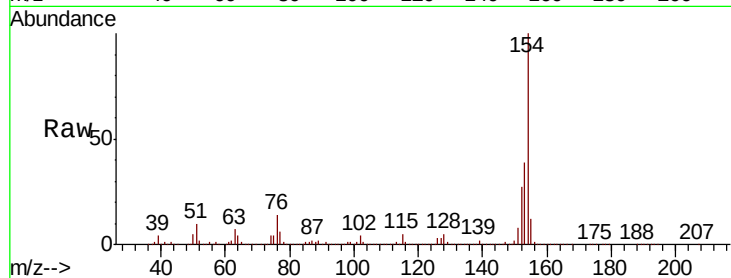
154 100

153 39.3 32.6 49.0

76 13.5 11.4 17.0

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#44

Dimethylphthalate

Concen: 4.033 ng/ul

RT: 13.56 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BN009507.D

Acq: 31 Jan 2020 12:41

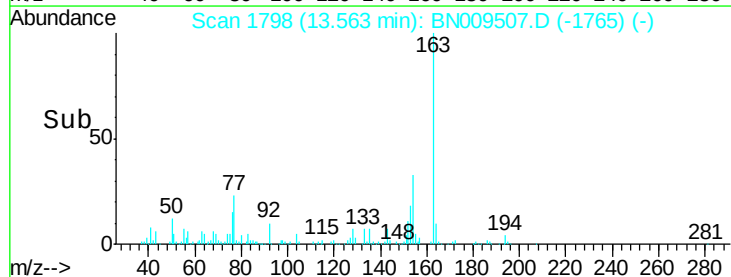
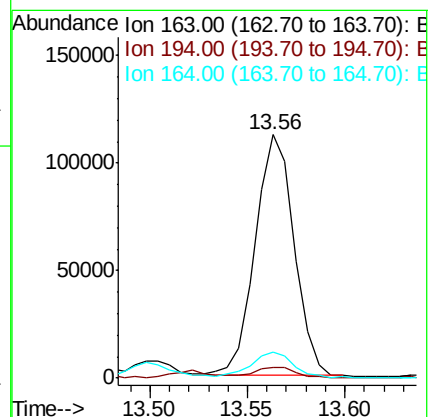
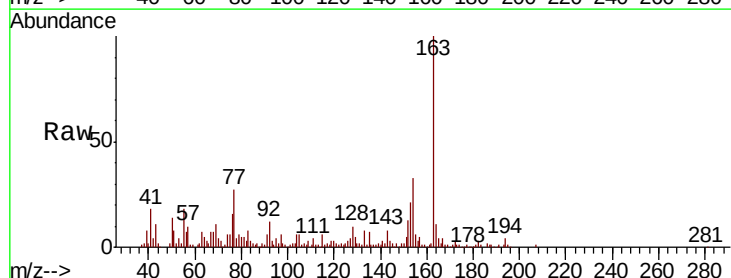
Tgt Ion:163 Resp: 155283

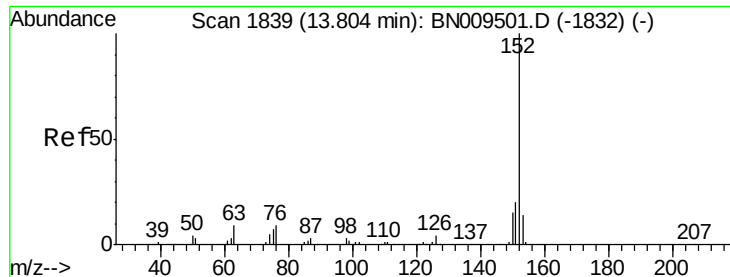
Ion Ratio Lower Upper

163 100

194 4.5 3.1 4.7

164 10.9 8.3 12.5





#47

Acenaphthylene

Concen: 14.191 ng/ul

RT: 13.82 min Scan# 1841

Delta R.T. 0.01 min

Lab File: BN009507.D

Acq: 31 Jan 2020 12:41

Instrument :

BNA_N

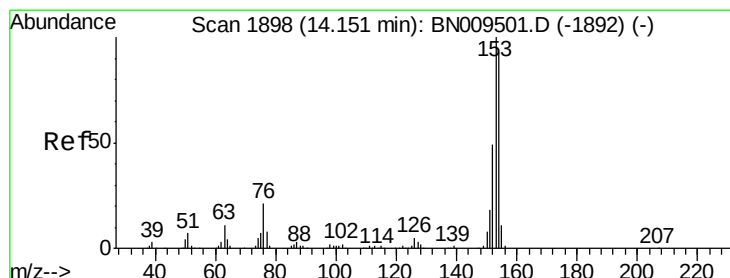
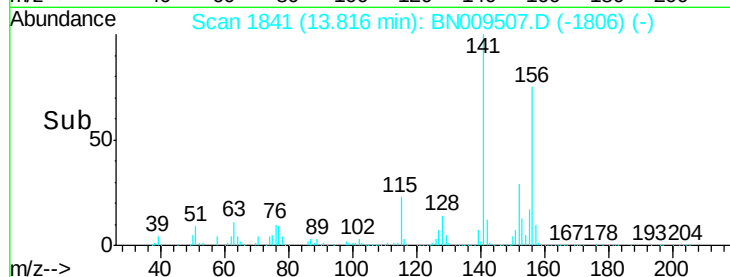
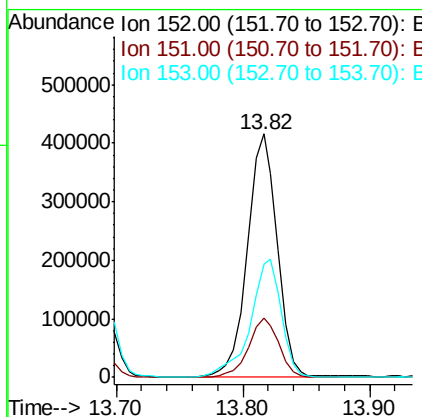
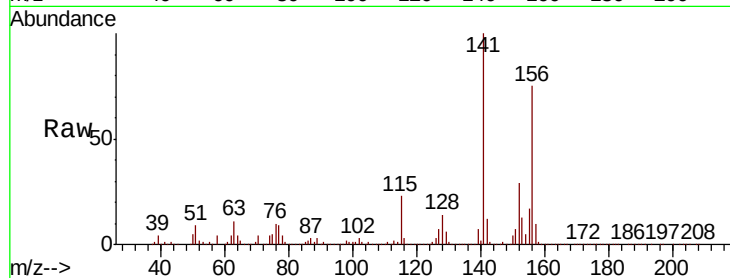
ClientSampleId :

GASZ4MS

Tot Ion:	152	Resp:	679814
Ion Ratio	Lower	Upper	
152	100		
151	24.3	16.2	24.4
153	46.5	10.8	16.2#

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#49

Acenaphthene

Concen: 47.522 ng/ul

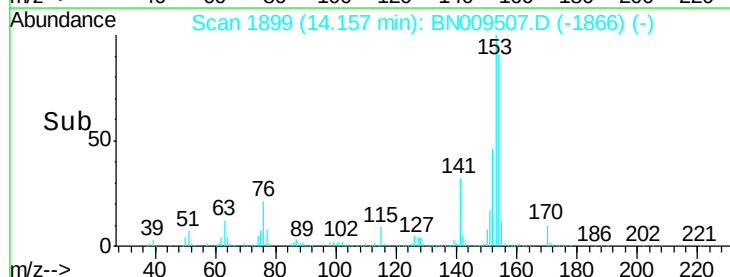
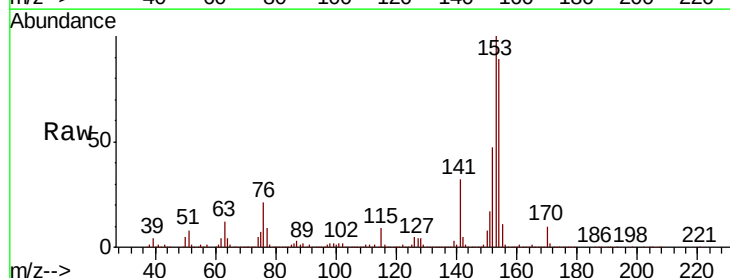
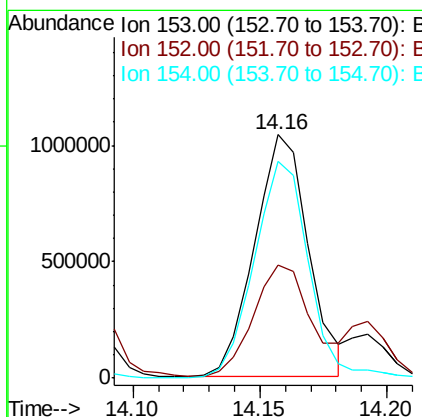
RT: 14.16 min Scan# 1899

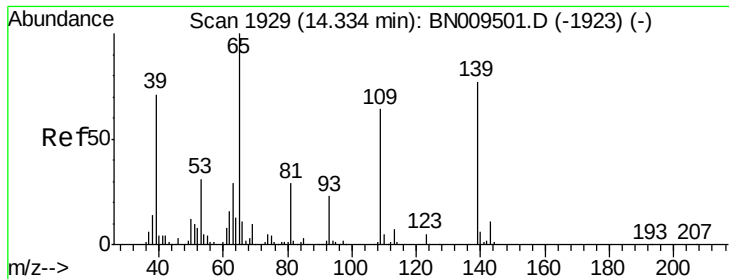
Delta R.T. -0.01 min

Lab File: BN009507.D

Acq: 31 Jan 2020 12:41

Tgt Ion:	153	Resp:	1553075
Ion Ratio	Lower	Upper	
153	100		
152	46.5	36.3	54.5
154	89.1	71.4	107.0





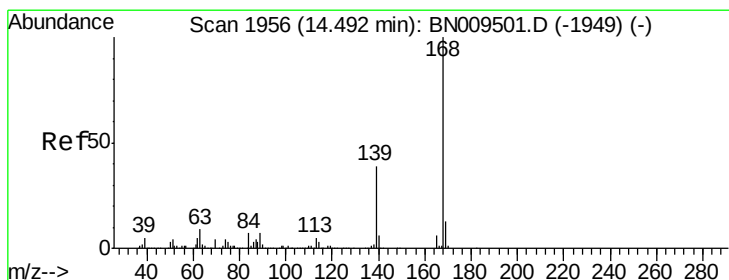
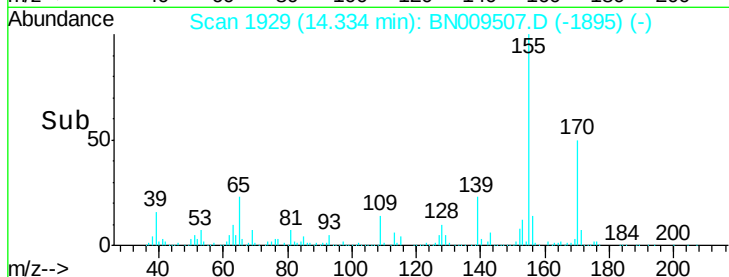
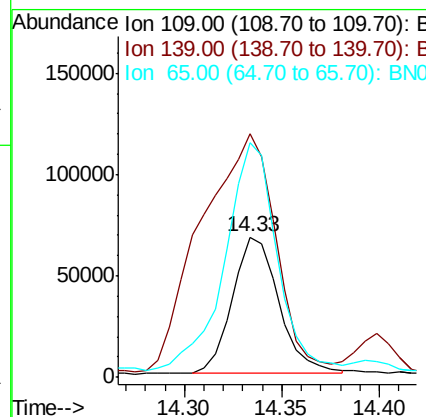
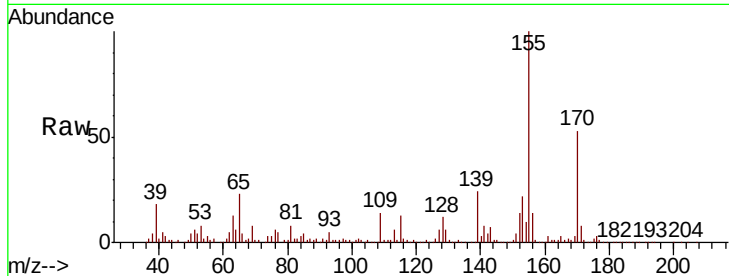
#52
4-Nitrophenol
Concen: 17.390 ng/ul
RT: 14.33 min Scan# 1929
Delta R.T. -0.00 min
Lab File: BN009507.D
Acq: 31 Jan 2020 12:41

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Tot Ion	Ratio	Lower	Upper
109	100		
139	173.8	85.3	127.9#
65	167.7	125.7	188.5

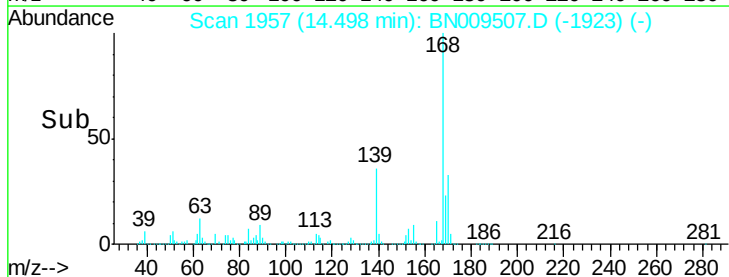
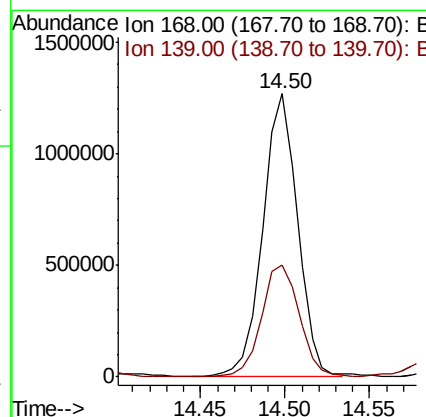
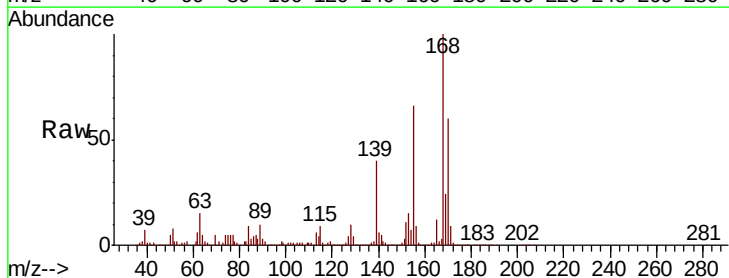
Manual Integrations
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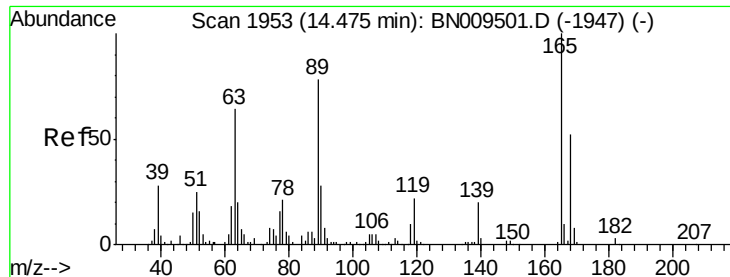
mohammad
2/3/2020 4:08:45 PM



#53
Dibenzofuran
Concen: 39.695 ng/ul
RT: 14.50 min Scan# 1957
Delta R.T. -0.00 min
Lab File: BN009507.D
Acq: 31 Jan 2020 12:41

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.7	31.4	47.2





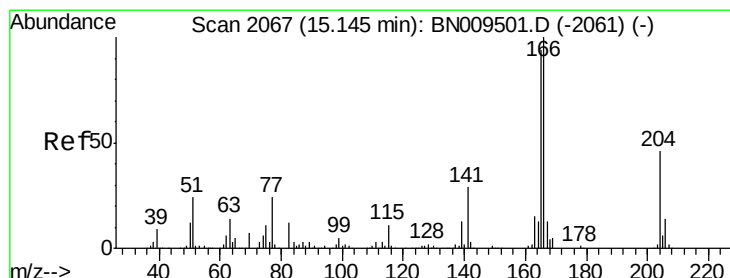
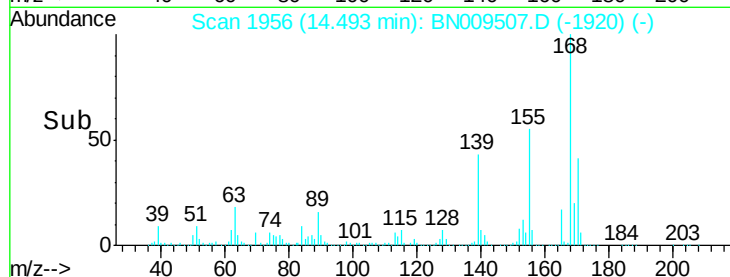
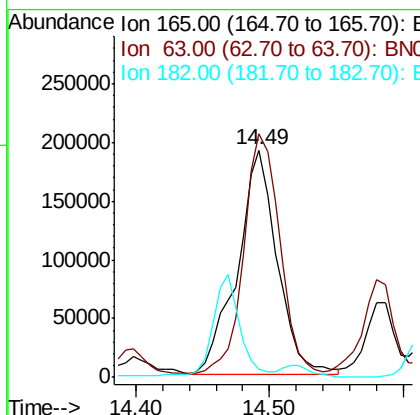
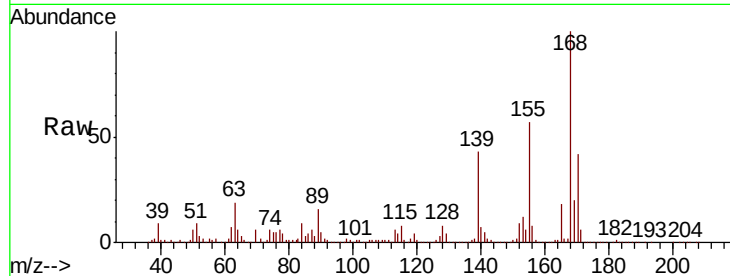
#54
 2,4-Dinitrotoluene
 Concen: 36.393 ng/ul
 RT: 14.49 min Scan# 1956
 Delta R.T. 0.01 min
 Lab File: BN009507.D
 Acq: 31 Jan 2020 12:41

Instrument :
 BNA_N
 ClientSampled :
 GASZ4MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	397654		
63	107.0	55.4	83.0#	
182	3.8	2.0	3.0#	

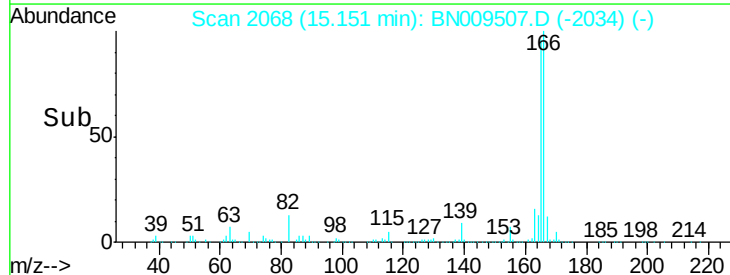
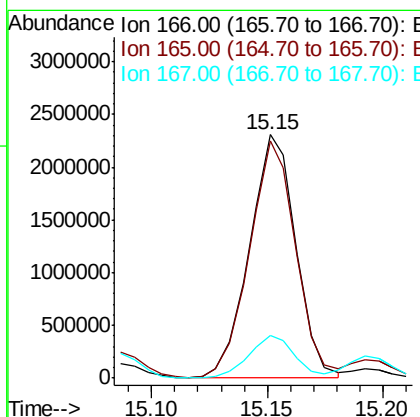
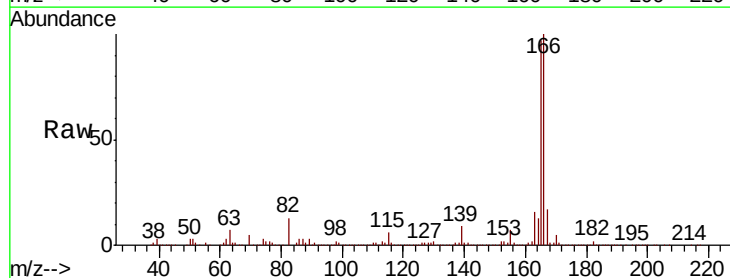
Manual Integrations
 APPROVED

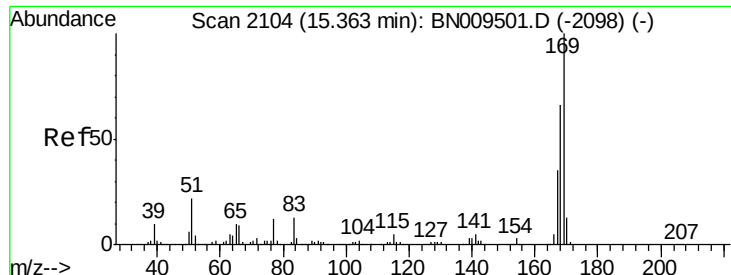
mohammad
 2/3/2020 4:08:45 PM



#58
 Fluorene
 Concen: 84.175 ng/ul
 RT: 15.15 min Scan# 2068
 Delta R.T. -0.00 min
 Lab File: BN009507.D
 Acq: 31 Jan 2020 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	3202625		
165	97.2	76.5	114.7	
167	17.3	10.9	16.3#	





#64

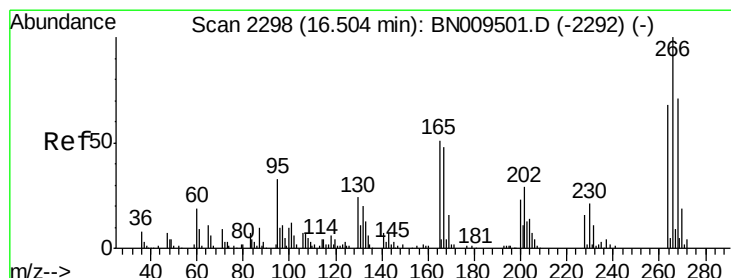
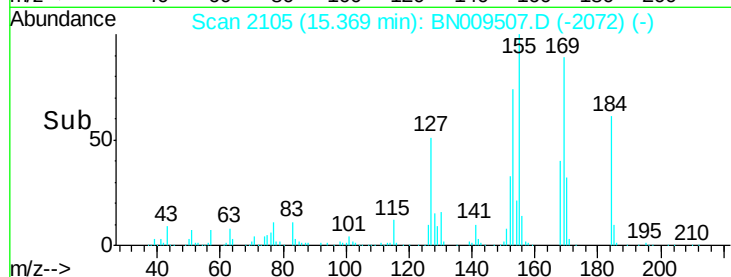
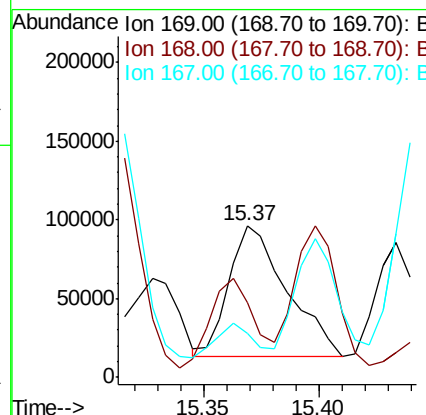
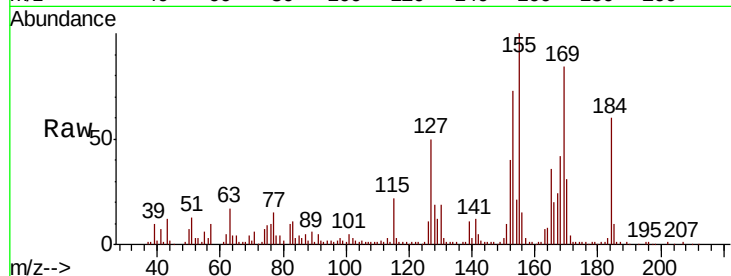
N-Nitrosodiphenylamine
Concen: 5.813 ng/ul
RT: 15.37 min Scan# 2105
Delta R.T. -0.01 min
Lab File: BN009507.D
Acq: 31 Jan 2020 12:41

Instrument :
BNA_N
ClientSampleId :
GASZ4MS

Tot Ion	Ratio	Lower	Upper
169	100		
168	49.6	49.8	74.8#
167	28.7	27.6	41.4

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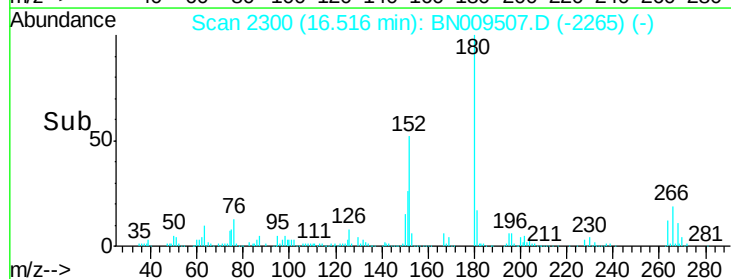
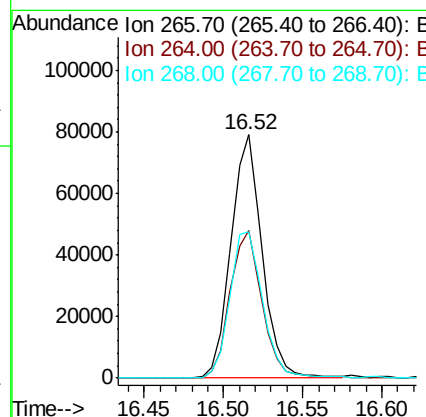
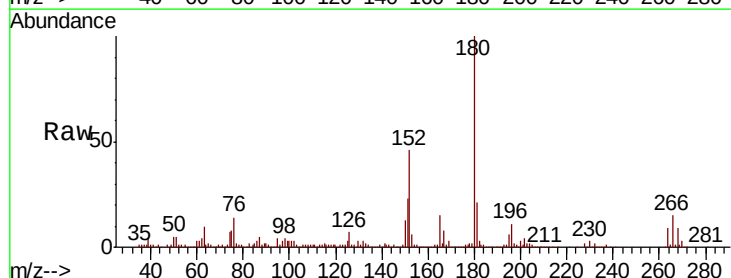
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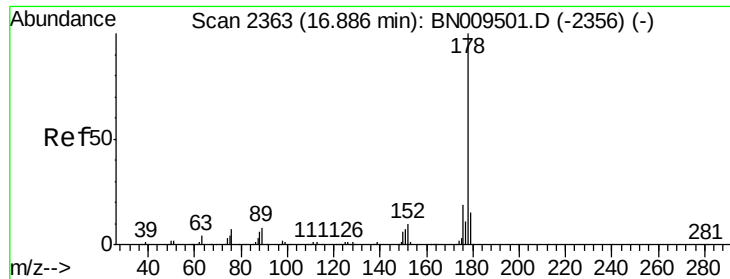


#68

Pentachlorophenol
Concen: 19.852 ng/ul
RT: 16.52 min Scan# 2300
Delta R.T. 0.01 min
Lab File: BN009507.D
Acq: 31 Jan 2020 12:41

Tgt Ion	Ratio	Lower	Upper
266	100		
264	60.9	54.0	81.0
268	59.9	58.8	88.2





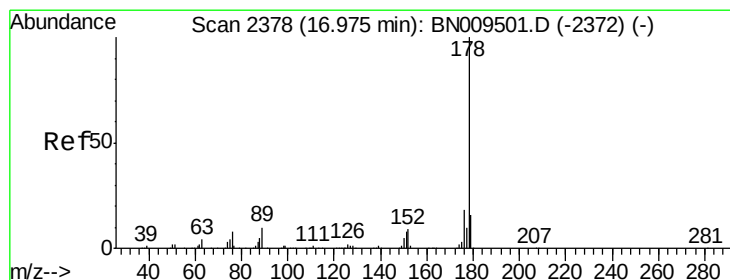
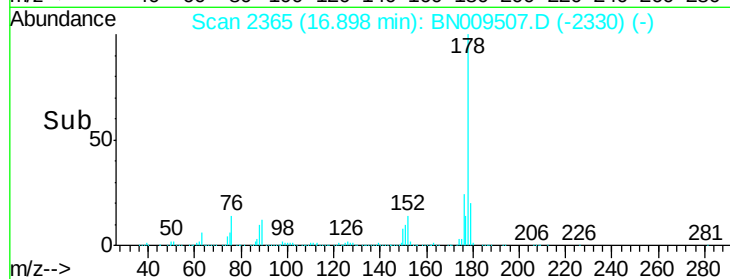
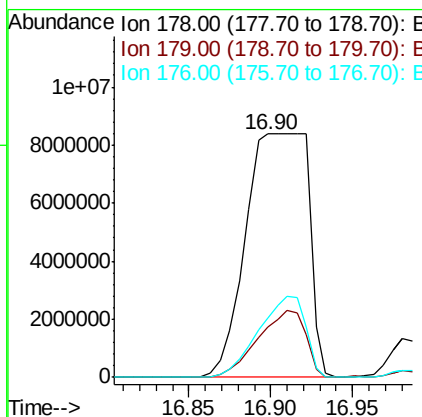
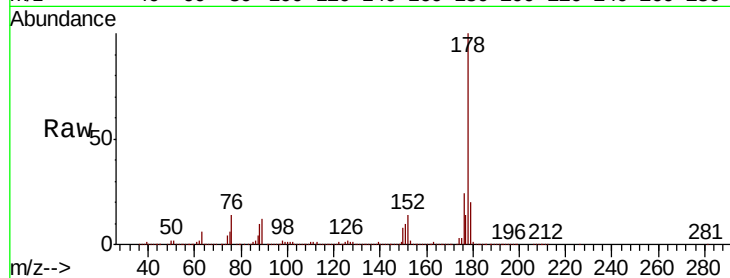
#69
Phenanthrene
Concen: 473.959 ng/ul m
RT: 16.90 min Scan# 2365
Delta R.T. 0.01 min
Lab File: BN009507.D
Acq: 31 Jan 2020 12:41

Instrument :
BNA_N
ClientSampled :
GASZ4MS

Tot Ion:178 Resp:22392937
Ion Ratio Lower Upper
178 100
179 20.4 13.3 19.9#
176 24.3 15.5 23.3#

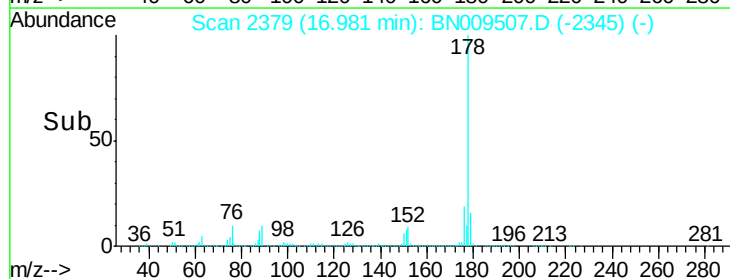
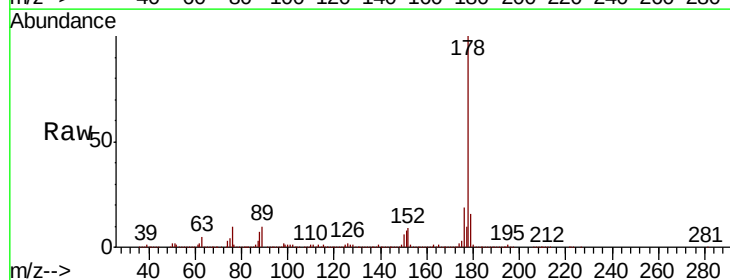
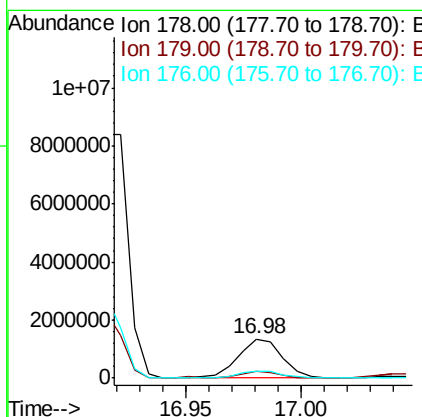
Manual Integrations
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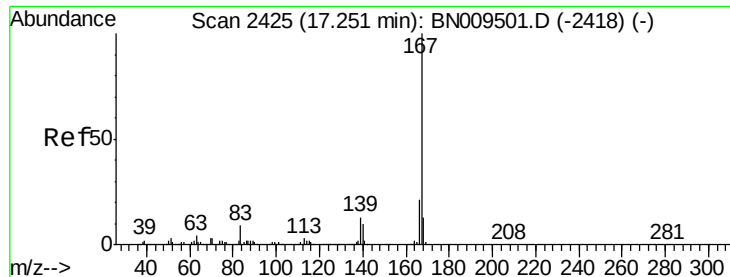
mohammad
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#71
Anthracene
Concen: 36.073 ng/ul
RT: 16.98 min Scan# 2379
Delta R.T. -0.00 min
Lab File: BN009507.D
Acq: 31 Jan 2020 12:41

Tgt Ion:178 Resp: 1735310
Ion Ratio Lower Upper
178 100
179 16.2 11.8 17.6
176 19.0 14.6 22.0





#74

Carbazole

Concen: 1.329 ng/ul

RT: 17.25 min Scan# 2425

Delta R.T. -0.01 min

Lab File: BN009507.D

Acq: 31 Jan 2020 12:41

Instrument :

BNA_N

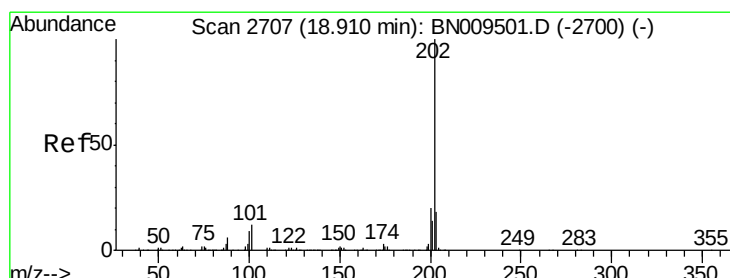
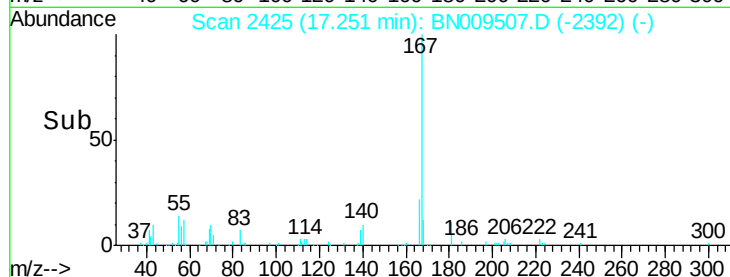
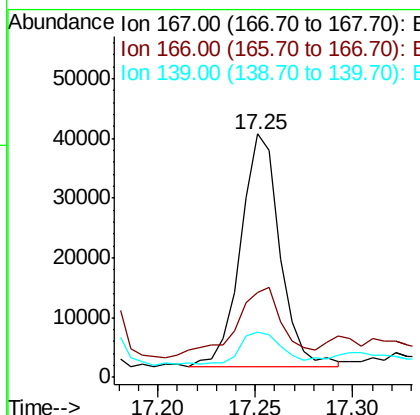
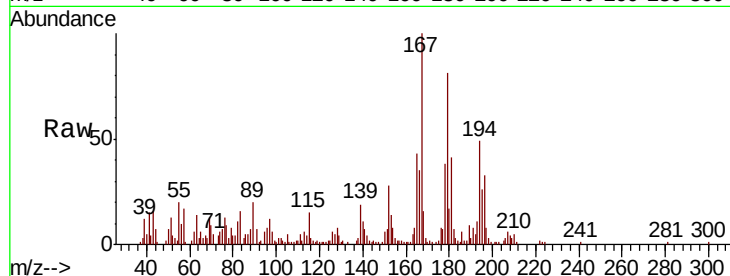
ClientSampled :

GASZ4MS

Tot Ion	Ratio	Lower	Upper
167	100		
166	34.9	17.4	26.2#
139	18.8	10.6	15.8#

Manual Integrations
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#76

Fluoranthene

Concen: 91.907 ng/ul

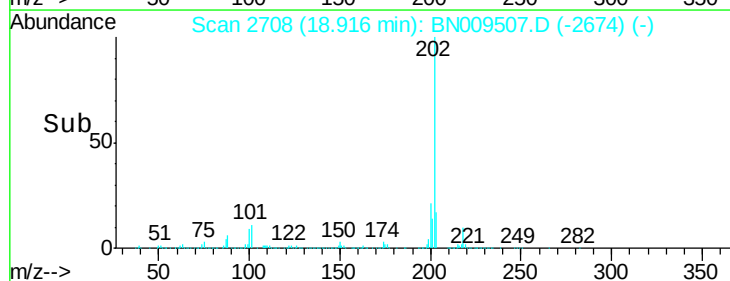
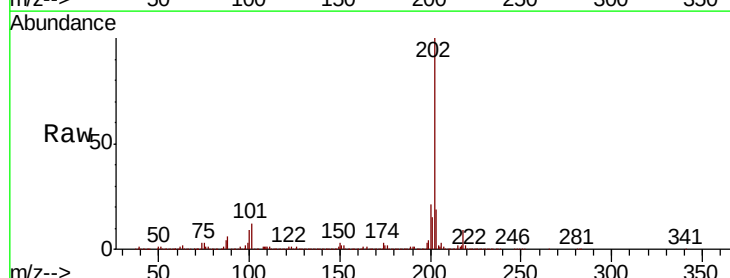
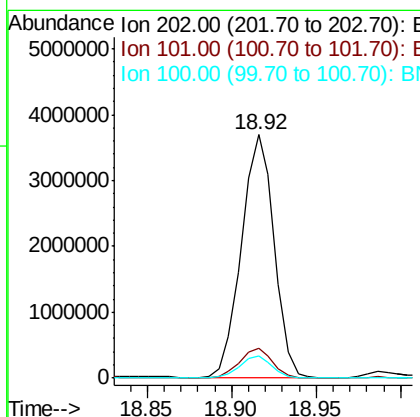
RT: 18.92 min Scan# 2708

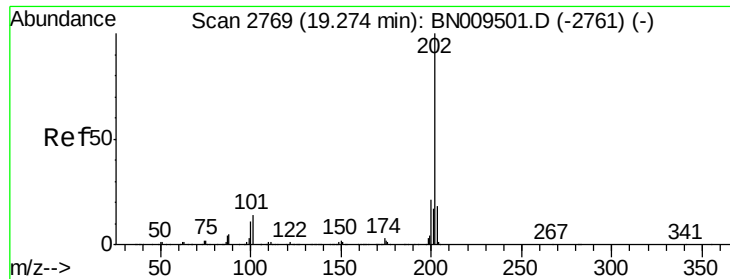
Delta R.T. -0.00 min

Lab File: BN009507.D

Acq: 31 Jan 2020 12:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.4	9.7	14.5
100	9.1	7.1	10.7





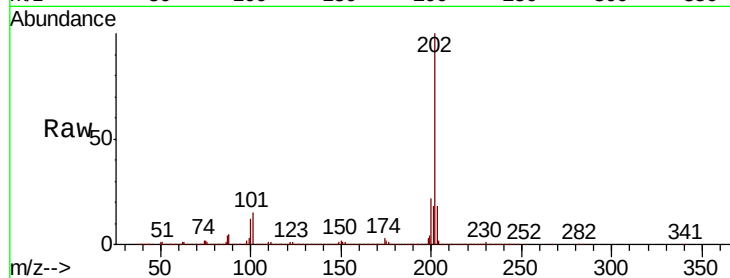
#79
Pvrene
Concen: 176.485 ng/ul
RT: 19.29 min Scan# 2771
Delta R.T. 0.01 min
Lab File: BN009507.D
Acq: 31 Jan 2020 12:41

Instrument :
BNA_N
ClientSampleId :
GASZ4MS

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.7	10.9	16.3
100	12.0	8.6	12.8

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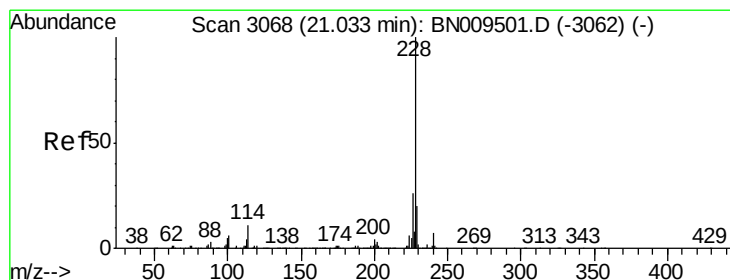
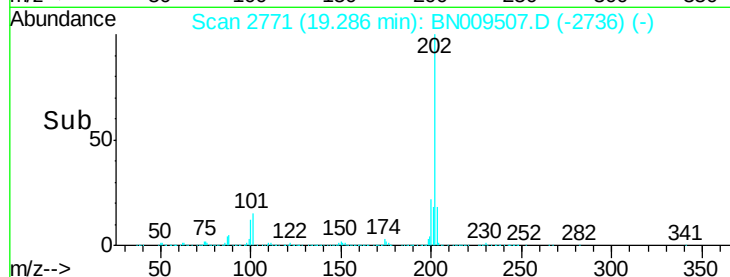
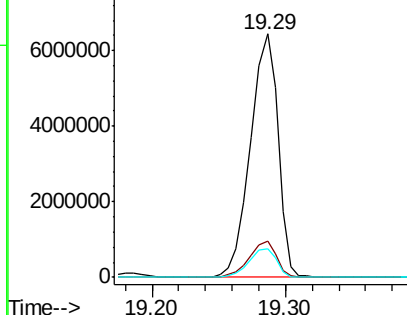


Abundance

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): E



#82
Benzo(a)anthracene
Concen: 50.383 ng/ul
RT: 21.04 min Scan# 3069
Delta R.T. -0.00 min
Lab File: BN009507.D
Acq: 31 Jan 2020 12:41

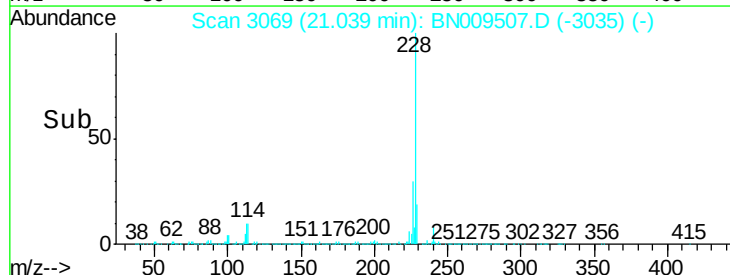
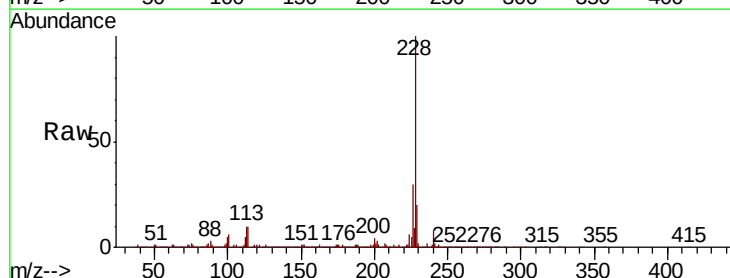
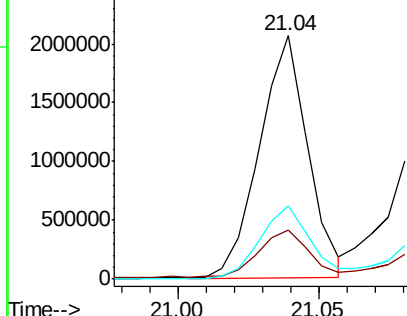
Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.9	23.9
226	30.1	20.9	31.3

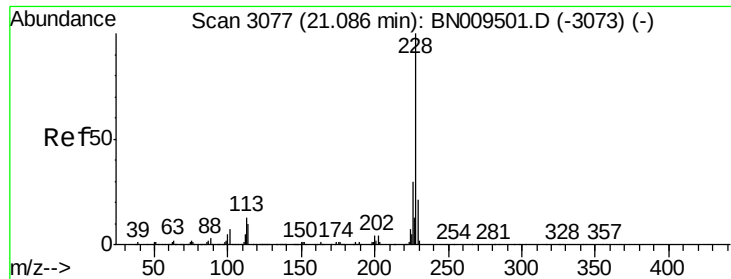
Abundance

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: 47.780 ng/ul

RT: 21.09 min Scan# 3077

Delta R.T. -0.01 min

Lab File: BN009507.D

Acq: 31 Jan 2020 12:41

Instrument :

BNA_N

ClientSampleId :

GASZ4MS

Tot Ion:228 Resp: 2266821

Ion Ratio Lower Upper

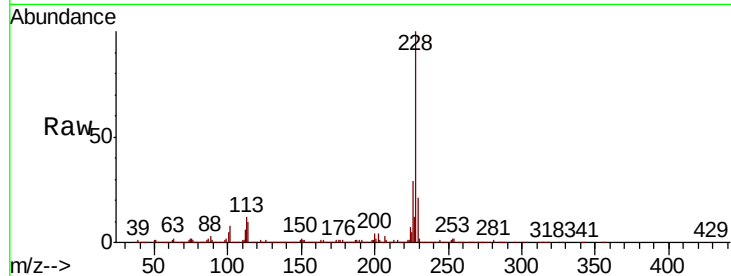
228 100

226 29.2 22.9 34.3

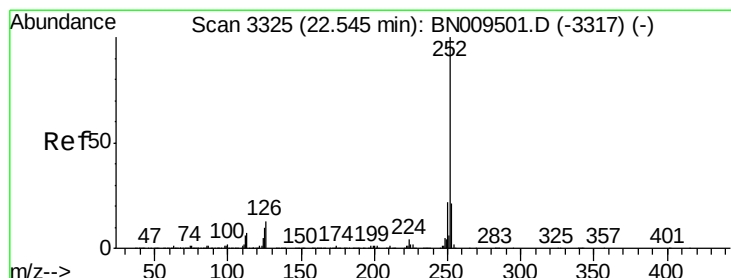
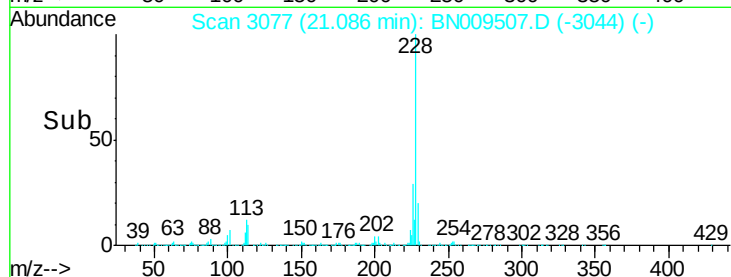
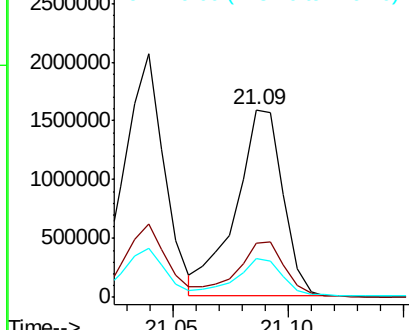
229 20.7 15.4 23.0

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 22.267 ng/ul

RT: 22.55 min Scan# 3326

Delta R.T. -0.00 min

Lab File: BN009507.D

Acq: 31 Jan 2020 12:41

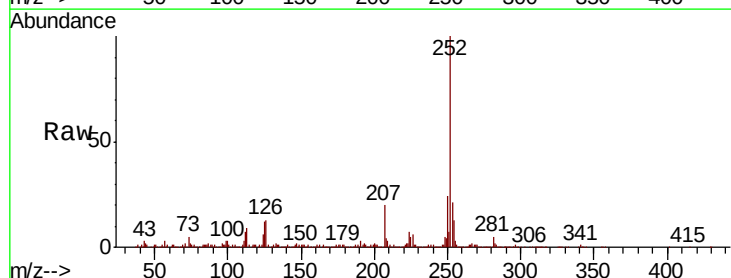
Tgt Ion:252 Resp: 1118905

Ion Ratio Lower Upper

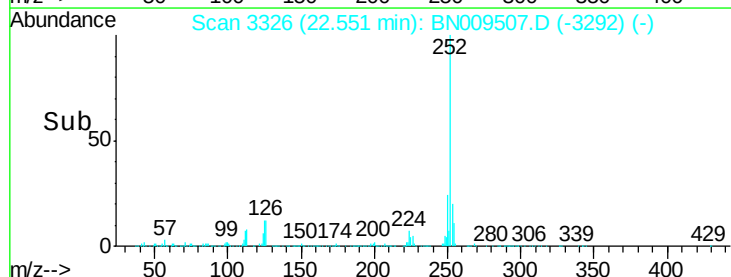
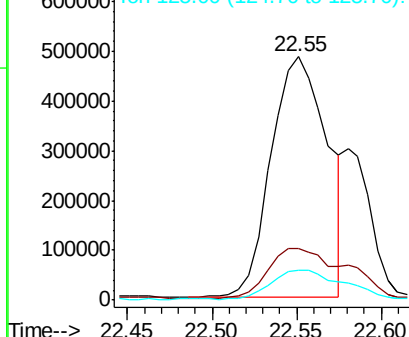
252 100

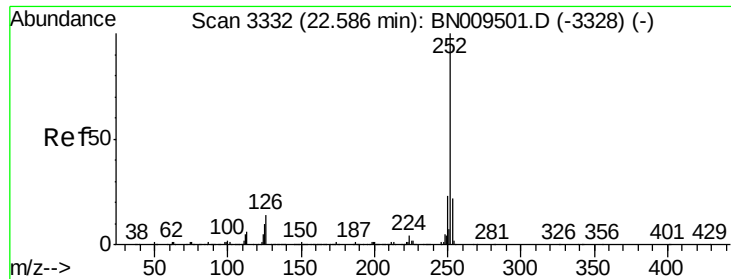
253 21.3 16.5 24.7

125 12.3 8.2 12.2#



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





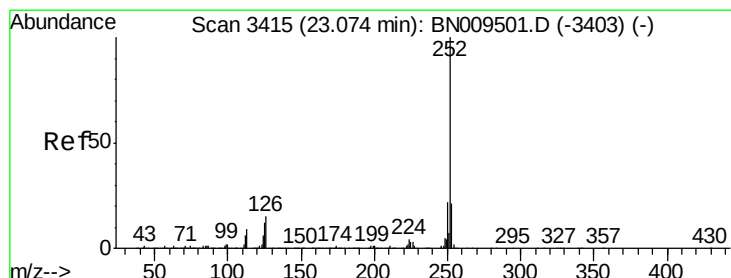
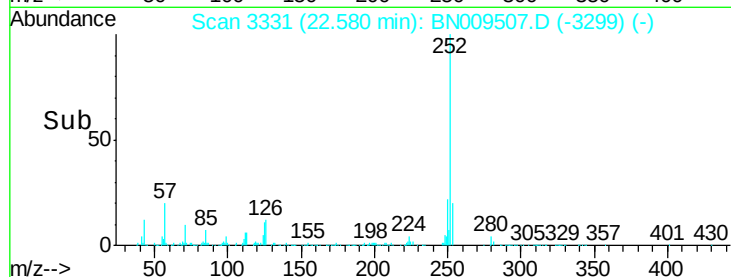
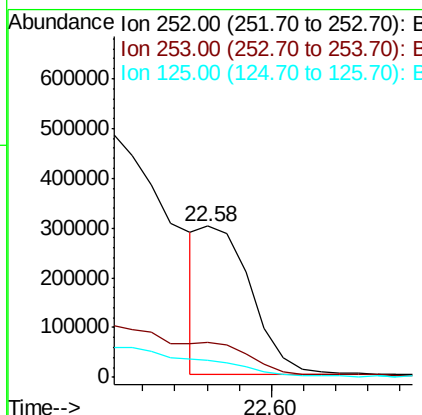
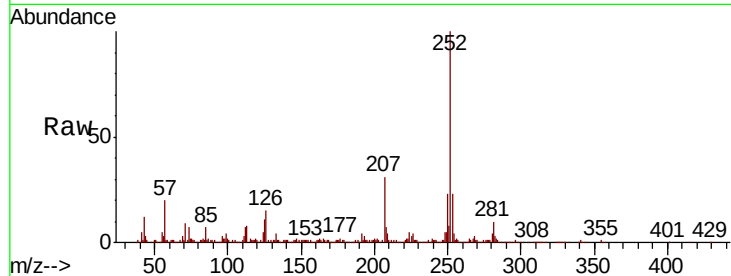
#88
Benzo(k)fluoranthene
Concen: 6.592 ng/ul m
RT: 22.58 min Scan# 3331
Delta R.T. -0.01 min
Lab File: BN009507.D
Acq: 31 Jan 2020 12:41

Instrument :
BNA_N
ClientSampleId :
GASZ4MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.4
125	11.3	7.8	11.8

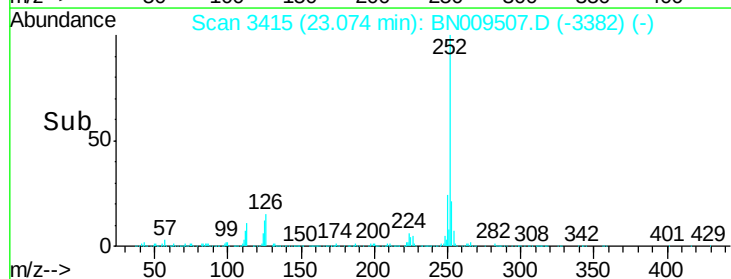
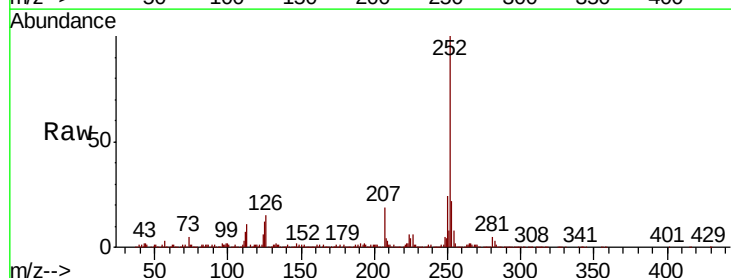
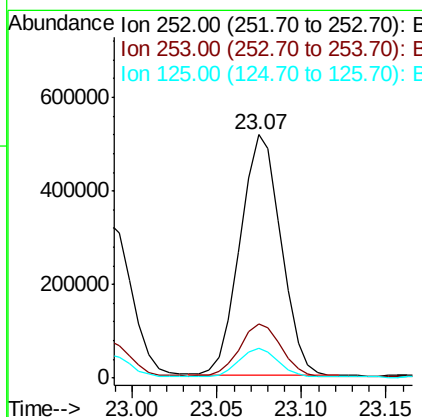
Manual Integrations
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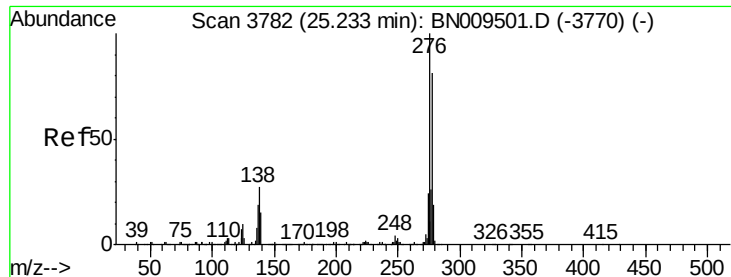
mohammad
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#90
Benzo(a)pyrene
Concen: 19.297 ng/ul
RT: 23.07 min Scan# 3415
Delta R.T. -0.01 min
Lab File: BN009507.D
Acq: 31 Jan 2020 12:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.0	27.0
125	12.0	9.8	14.6





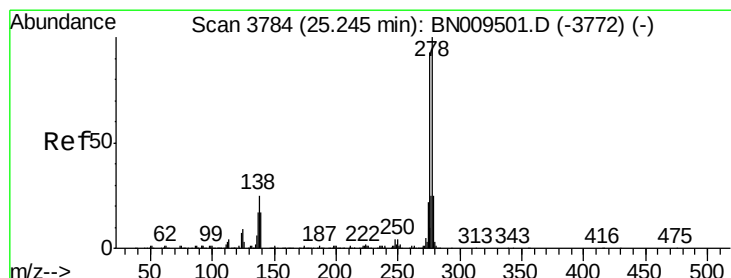
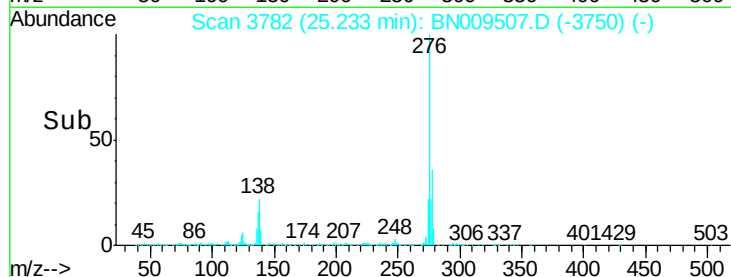
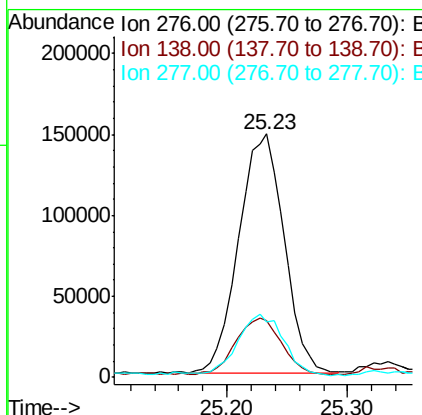
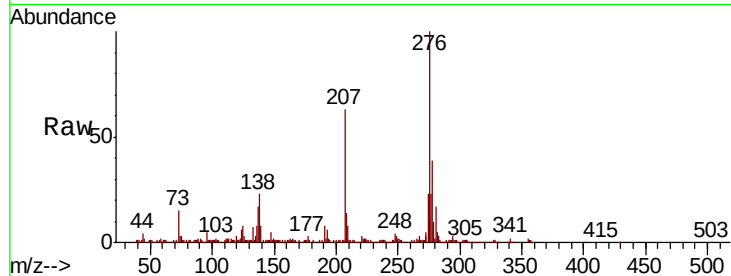
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 7.091 ng/ul
 RT: 25.23 min Scan# 3782
 Delta R.T. -0.01 min
 Lab File: BN009507.D
 Acq: 31 Jan 2020 12:41

Instrument :
 BNA_N
 ClientSampleId :
 GASZ4MS

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.1	21.4	32.0
277	22.7	20.4	30.6

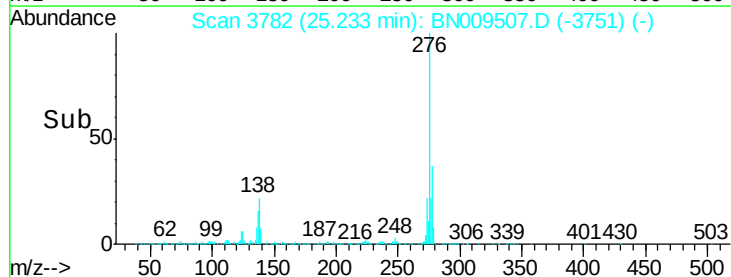
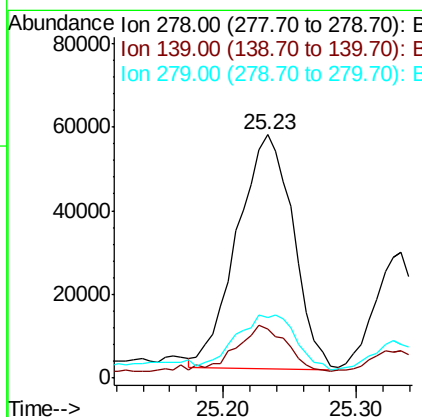
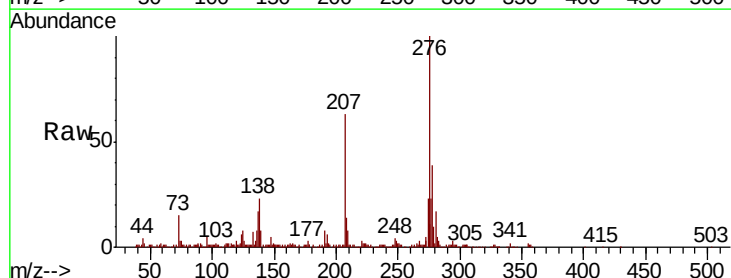
Manual Integrations
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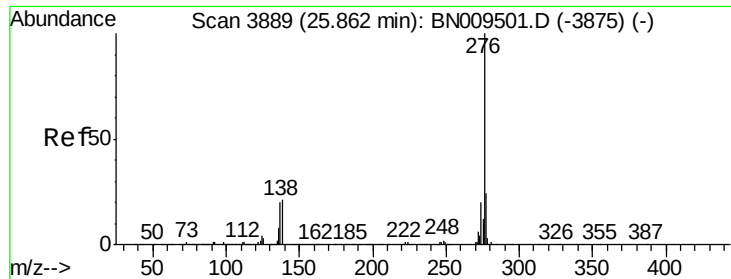
mohammad
 2/3/2020 4:08:45 PM



#92
 Dibenzo(a,h)anthracene
 Concen: 3.527 ng/ul
 RT: 25.23 min Scan# 3782
 Delta R.T. -0.02 min
 Lab File: BN009507.D
 Acq: 31 Jan 2020 12:41

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.3	13.9	20.9
279	25.1	19.3	28.9





#93

Benzo(a,h,i)perylene

Concen: 7.004 ng/ul

RT: 25.86 min Scan# 3888

Delta R.T. -0.02 min

Lab File: BN009507.D

Acq: 31 Jan 2020 12:41

Instrument :

BNA_N

ClientSampleId :

GASZ4MS

Tot Ion:	276	Resp:	318438
Ion Ratio	Lower	Upper	
276	100		
138	22.3	16.6	24.8
277	23.9	18.7	28.1

Manual Integrations
APPROVED

mohammad
2/3/2020 4:08:45 PM

