

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050219\
 Data File : BN005421.D
 Acq On : 02 May 2019 18:27
 Operator : JU/SJ
 Sample : K2603-03MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ55MSD

Manual Integrations
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 5/3/2019 4:57:26 PM

Quant Time: May 03 04:01:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 03 03:02:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	276067	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1243662	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	822825	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.98	188	1902118	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1726099	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	1716444	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	24468	4.28	ng/uL	0.00
5) Phenol-d5	6.78	99	541194	24.96	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	315170	23.30	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	440377	26.54	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	424878	25.07	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	237199	30.99	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	270676	34.88	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	477609	26.85	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	601993	32.82	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	1692064	28.33	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	1998706	27.24	ng/ul	0.00
51) 4-Nitrophenol-d4	14.44	143	257863	27.34	ng/ul	0.00
57) Fluorene-d10	15.23	176	1422745	28.38	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	239413	27.99	ng/ul	0.00
70) Anthracene-d10	17.08	188	2193719	27.51	ng/ul	0.00
78) Pyrene-d10	19.40	212	2485267	28.15	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	2062020	27.49	ng/ul	0.01

Target Compounds

					Ovalue	
6) Phenol	6.80	94	571535	25.627	ng/ul	94
10) 2-Chlorophenol	7.16	128	438477	25.560	ng/ul	96
15) N-Nitroso-di-n-propylamine	8.39	70	396888	27.353	ng/ul#	87
33) 4-Chloro-3-methylphenol	11.65	107	544576	27.549	ng/ul	95
44) Dimethylphthalate	13.69	163	570365	9.583	ng/ul	99
47) Acenaphthylene	13.95	152	138442	1.920	ng/ul	99
49) Acenaphthene	14.29	153	1315984	26.737	ng/ul	99
52) 4-Nitrophenol	14.46	109	220289	25.733	ng/ul	92
54) 2,4-Dinitrotoluene	14.60	165	493302	33.298	ng/ul	92
68) Pentachlorophenol	16.63	266	327957	27.449	ng/ul	98
76) Fluoranthene	19.06	202	183743	1.788	ng/ul	98
79) Pyrene	19.43	202	4326898	38.933	ng/ul#	94
82) Benzo(a)anthracene	21.20	228	280182m	2.609	ng/ul	
84) Chrysene	21.26	228	327797	3.289	ng/ul	98
87) Benzo(b)fluoranthene	22.77	252	467156	4.842	ng/ul	98
88) Benzo(k)fluoranthene	22.81	252	162239m	1.761	ng/ul	
90) Benzo(a)pyrene	23.33	252	498696	5.499	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.62	276	211464	2.109	ng/ul#	93
93) Benzo(g,h,i)perylene	26.29	276	204727	2.469	ng/ul	96

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

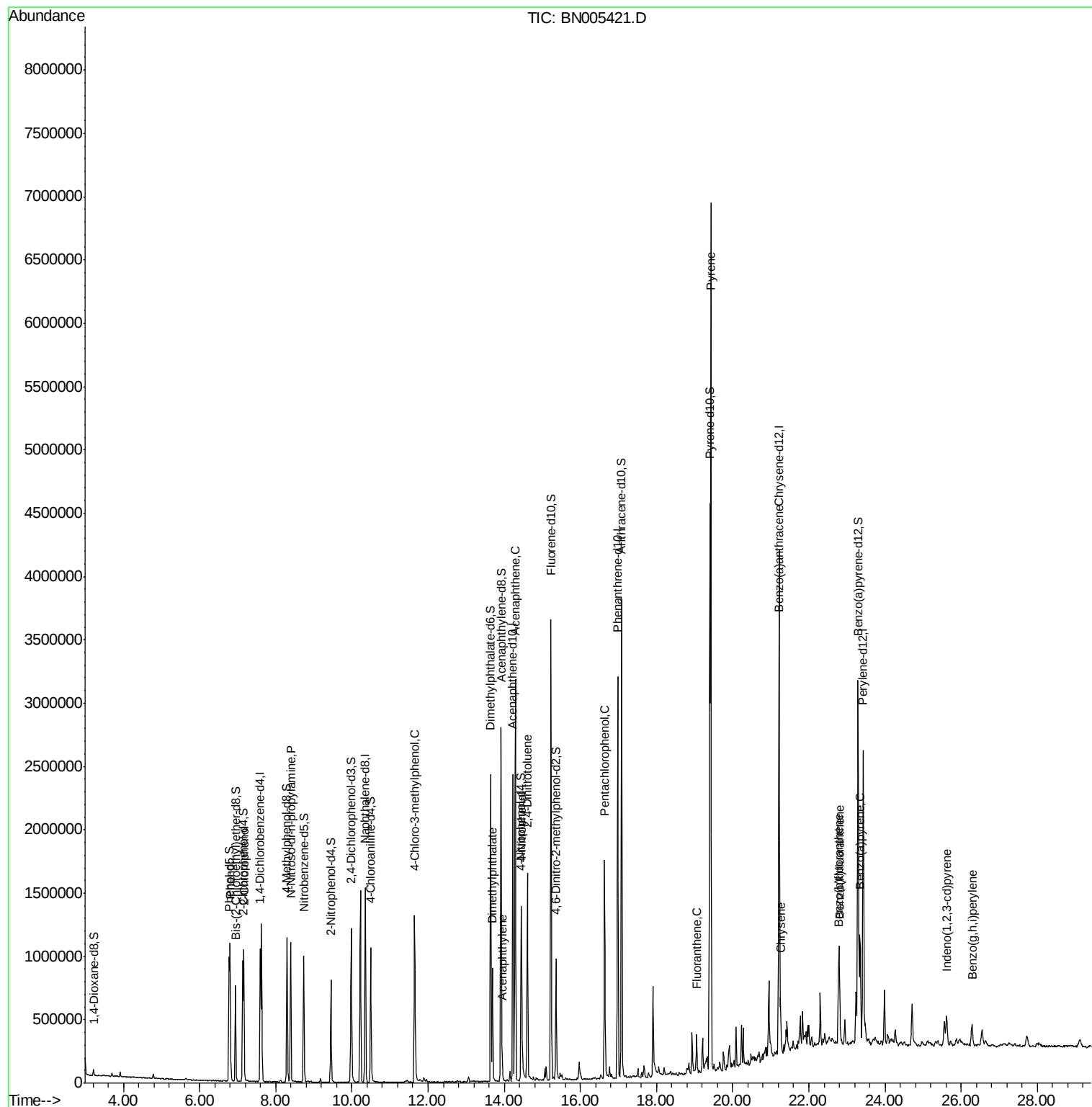
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050219\
Data File : BN005421.D
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ALS Vial : 7 Sample Multiplier: 1

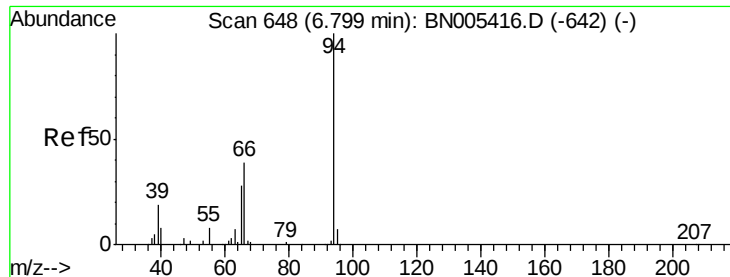
Instrument :
BNA_N
ClientSampleId :
GAJ55MSD

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Quant Time: May 03 04:01:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 03 03:02:31 2019
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#6

Phenol

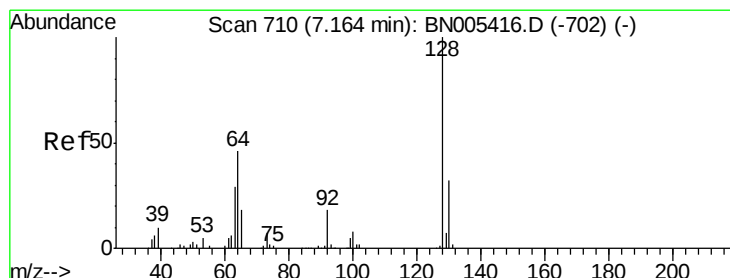
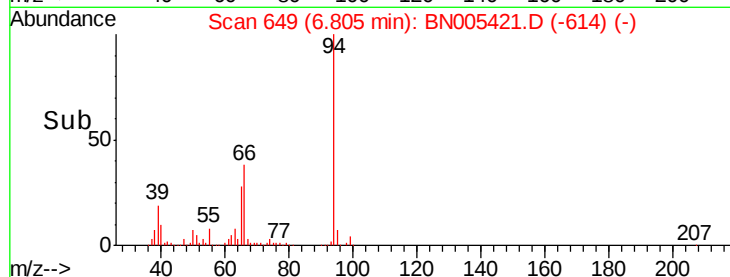
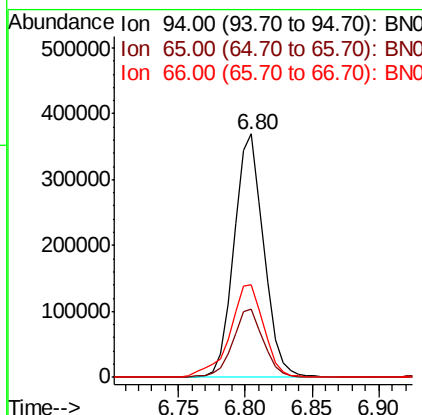
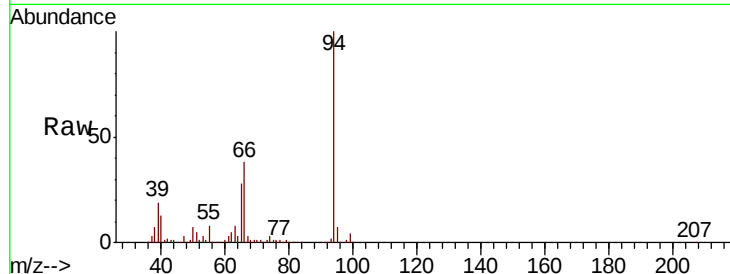
Concen: 25.627 ng/ul
 RT: 6.80 min Scan# 649
 Delta R.T. 0.01 min
 Lab File: BN005421.D
 Acq: 02 May 2019 18:27

Instrument :
 BNA_N
 ClientSampleId :
 GAJ55MSD

Tot Ion	Ratio	Resp	Lower	Upper
94	100	571535		
65	27.9		24.2	36.4
66	38.2		33.8	50.6

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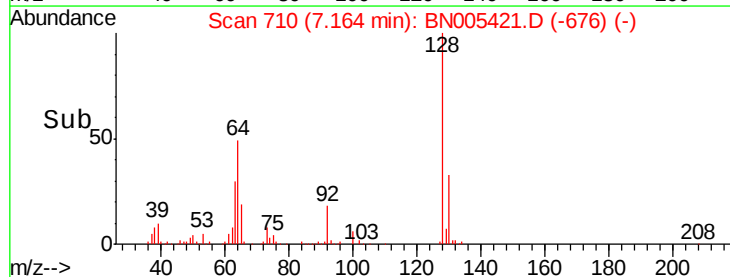
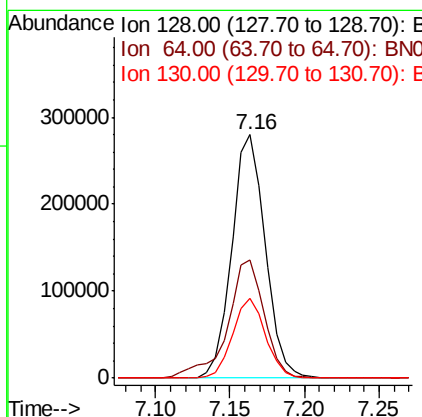
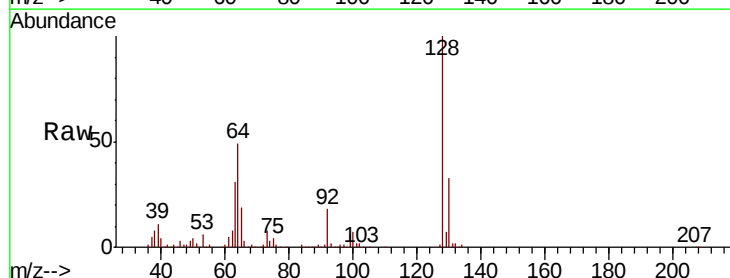


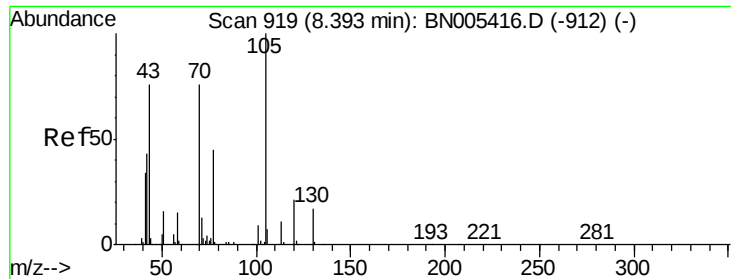
#10

2-Chlorophenol

Concen: 25.560 ng/ul
 RT: 7.16 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: BN005421.D
 Acq: 02 May 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	438477		
64	48.5		42.3	63.5
130	33.0		26.5	39.7





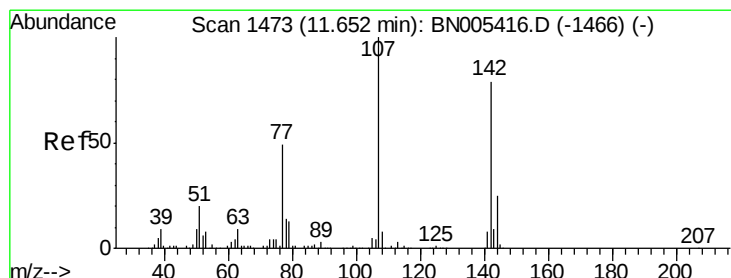
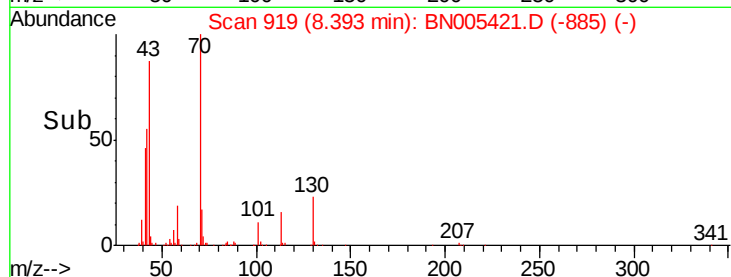
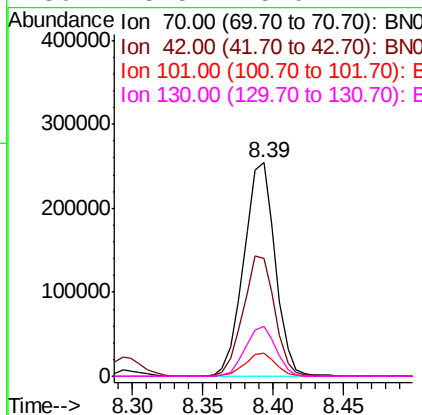
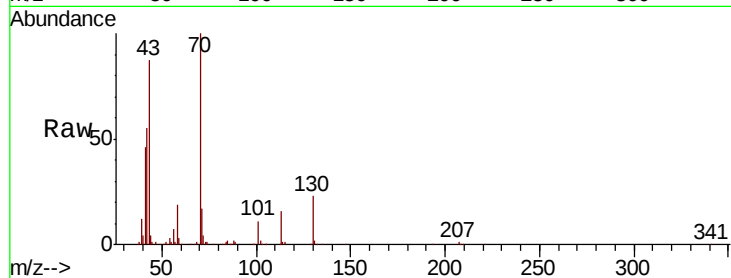
#15
N-Nitroso-di-n-propylamine
Concen: 27.353 ng/ul
RT: 8.39 min Scan# 919
Delta R.T. 0.00 min
Lab File: BN005421.D
Acq: 02 May 2019 18:27

Instrument :
BNA_N
ClientSampleId :
GAJ55MSD

Tot Ion	Ratio	Resp	Lower	Upper
70	100			
42	55.3	53.8	80.8	
101	10.7	7.7	11.5	
130	23.5	15.0	22.4	

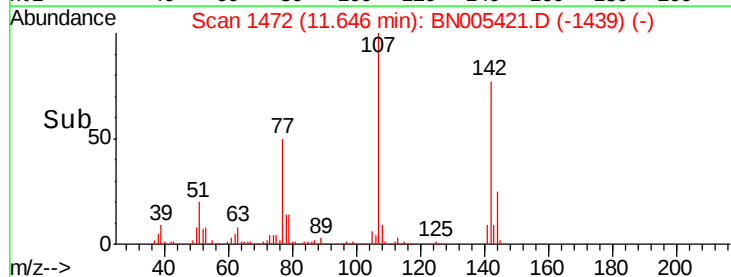
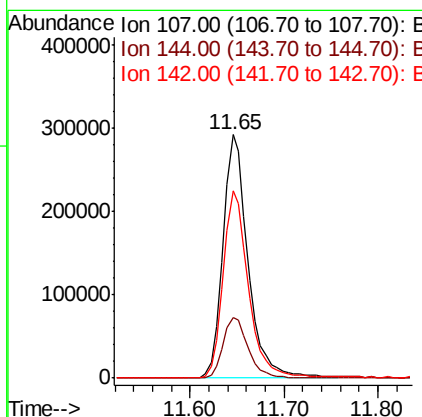
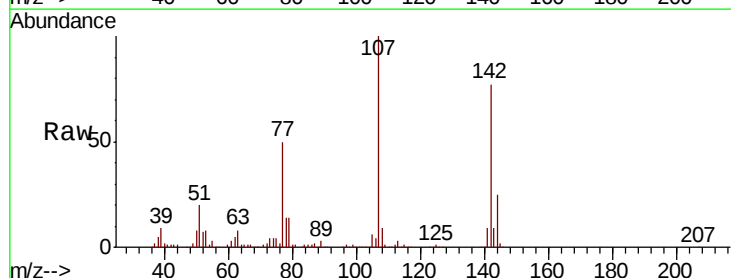
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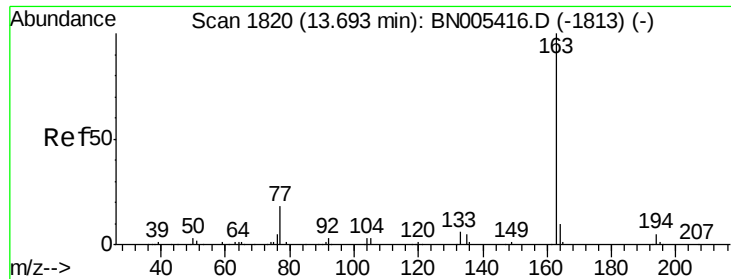
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#33
4-Chloro-3-methylphenol
Concen: 27.549 ng/ul
RT: 11.65 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BN005421.D
Acq: 02 May 2019 18:27

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
144	24.8	19.4	29.0	
142	77.0	57.7	86.5	





#44

Dimethylphthalate

Concen: 9.583 ng/ul

RT: 13.69 min Scan# 1820

Delta R.T. 0.00 min

Lab File: BN005421.D

Acq: 02 May 2019 18:27

Instrument :

BNA_N

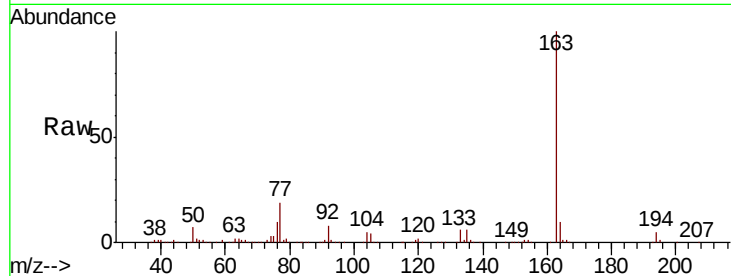
ClientSampleId :

GAJ55MSD

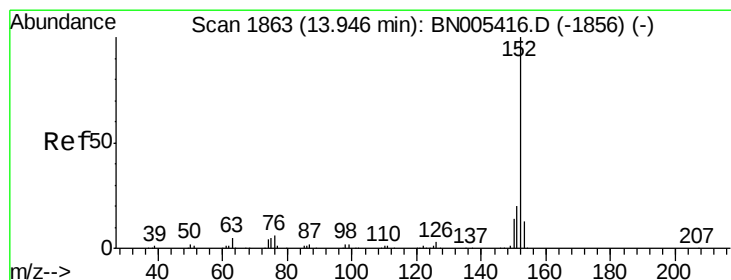
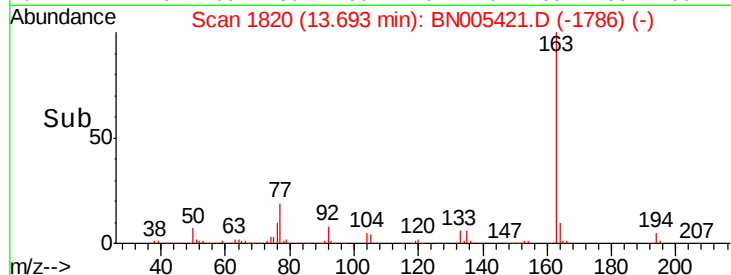
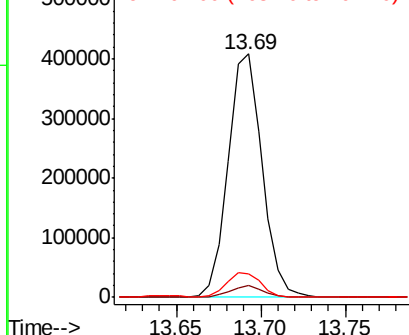
Tot Ion:	163	Resp:	570365
Ion Ratio	Lower	Upper	
163	100		
194	4.8	3.4	5.0
164	9.6	8.1	12.1

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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: 1.920 ng/ul

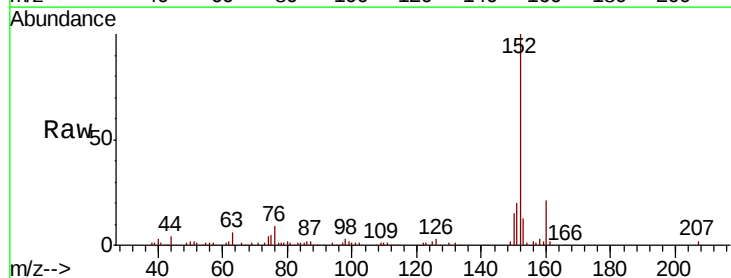
RT: 13.95 min Scan# 1863

Delta R.T. 0.00 min

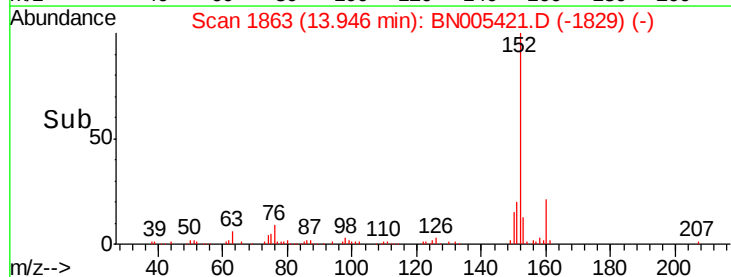
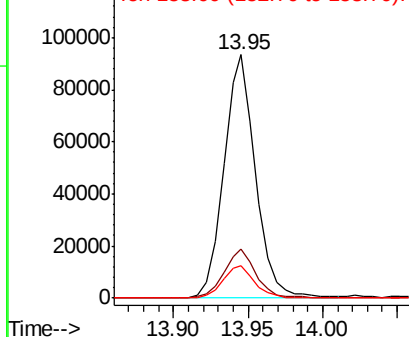
Lab File: BN005421.D

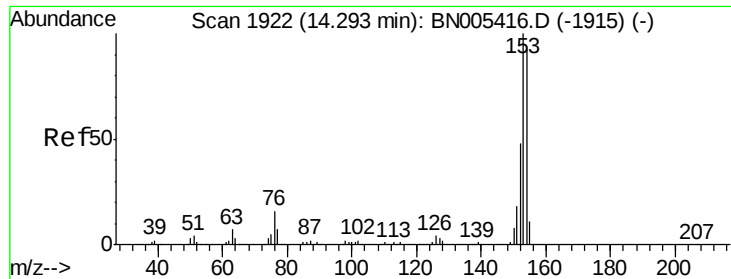
Acq: 02 May 2019 18:27

Tgt Ion:	152	Resp:	138442
Ion Ratio	Lower	Upper	
152	100		
151	20.0	15.8	23.8
153	13.2	9.8	14.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 26.737 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. 0.00 min

Lab File: BN005421.D

Acq: 02 May 2019 18:27

Instrument :

BNA_N

ClientSampleId :

GAJ55MSD

Tot Ion:153 Resp: 1315984

Ion Ratio Lower Upper

153 100

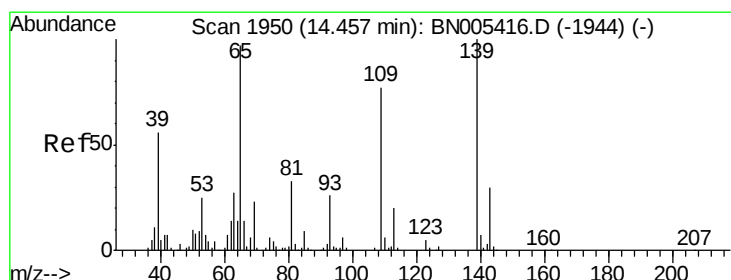
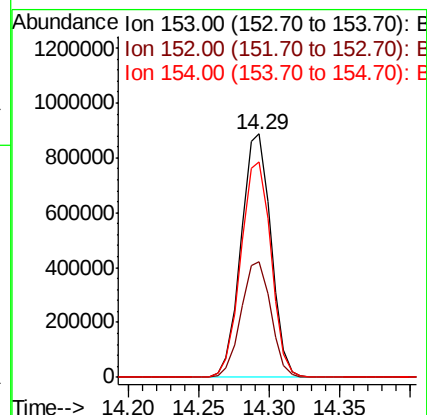
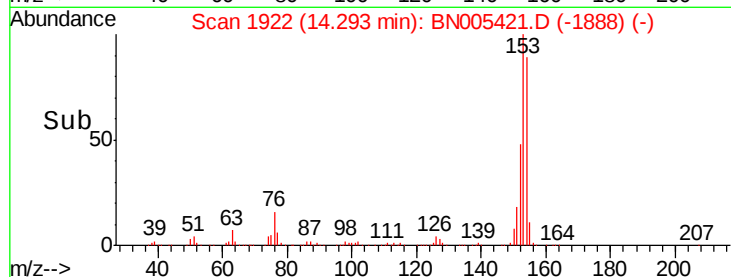
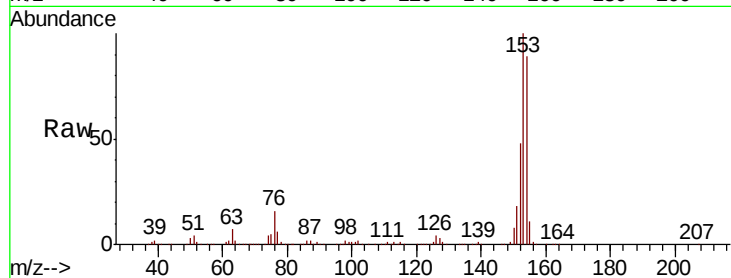
152 47.6 37.4 56.0

154 88.7 71.2 106.8

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#52

4-Nitrophenol

Concen: 25.733 ng/ul

RT: 14.46 min Scan# 1950

Delta R.T. 0.00 min

Lab File: BN005421.D

Acq: 02 May 2019 18:27

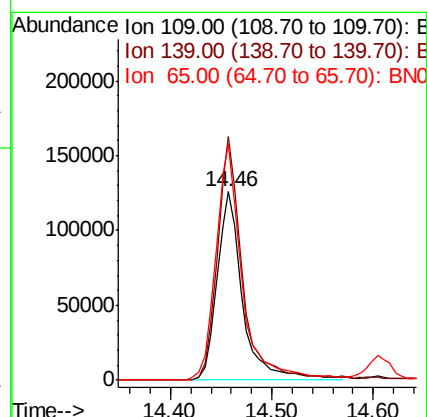
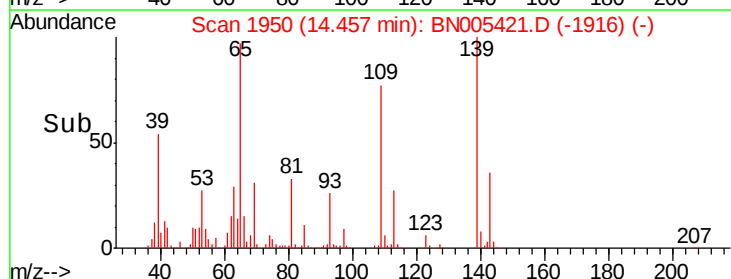
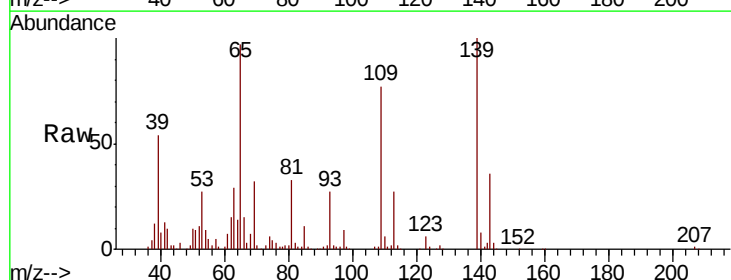
Tgt Ion:109 Resp: 220289

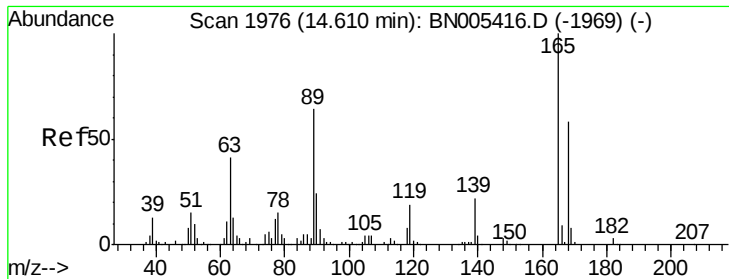
Ion Ratio Lower Upper

109 100

139 129.3 92.3 138.5

65 125.0 97.5 146.3





#54

2,4-Dinitrotoluene

Concen: 33.298 ng/ul

RT: 14.60 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BN005421.D

Acq: 02 May 2019 18:27

Instrument :

BNA_N

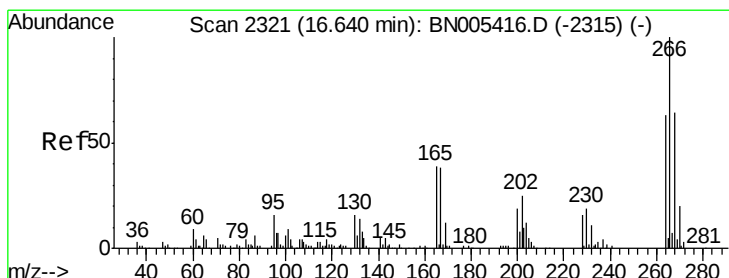
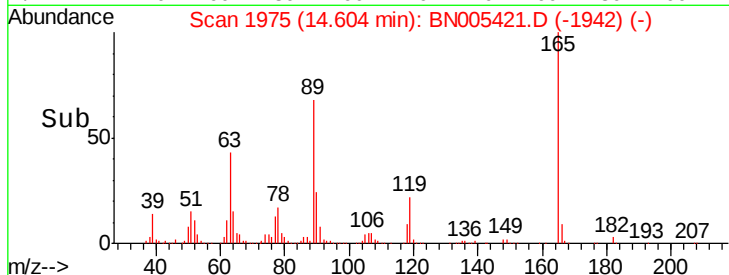
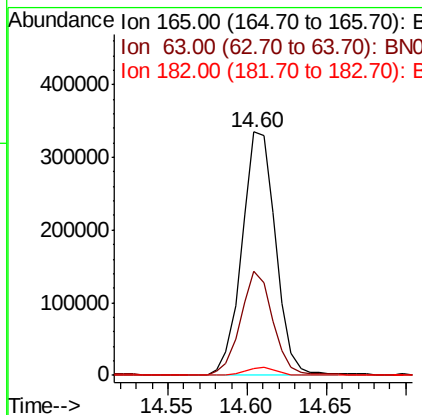
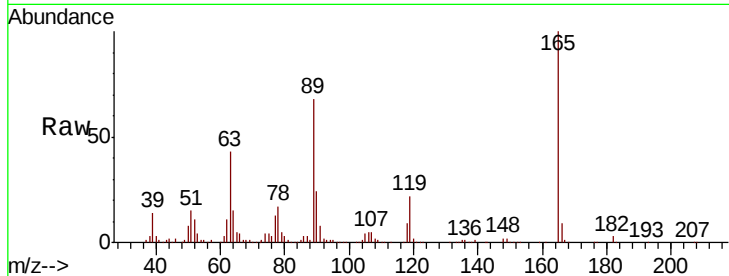
ClientSampleId :

GAJ55MSD

Tot Ion:	165	Resp:	493302
Ion Ratio	Lower	Upper	
165	100		
63	42.6	38.9	58.3
182	3.0	2.6	3.8

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#68

Pentachlorophenol

Concen: 27.449 ng/ul

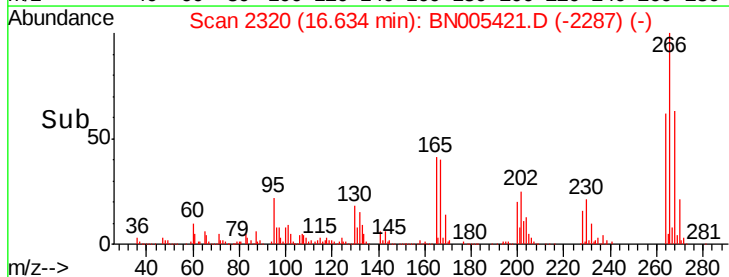
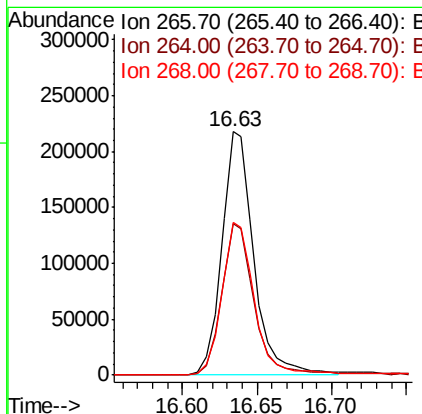
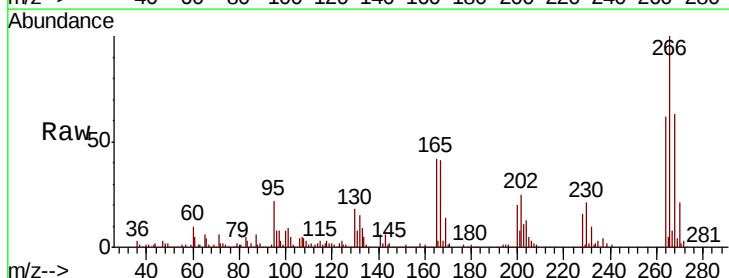
RT: 16.63 min Scan# 2320

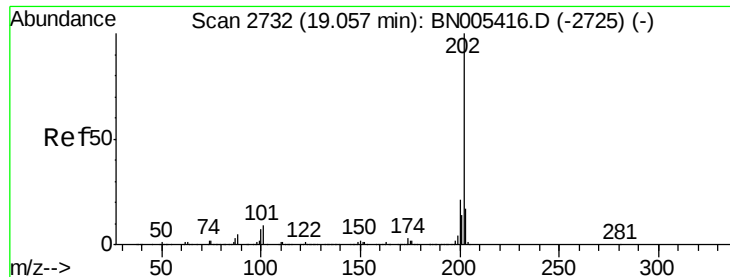
Delta R.T. -0.01 min

Lab File: BN005421.D

Acq: 02 May 2019 18:27

Tgt Ion:	266	Resp:	327957
Ion Ratio	Lower	Upper	
266	100		
264	62.4	49.7	74.5
268	62.7	52.4	78.6





#76

Fluoranthene

Concen: 1.788 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. -0.00 min

Lab File: BN005421.D

Acq: 02 May 2019 18:27

Instrument :

BNA_N

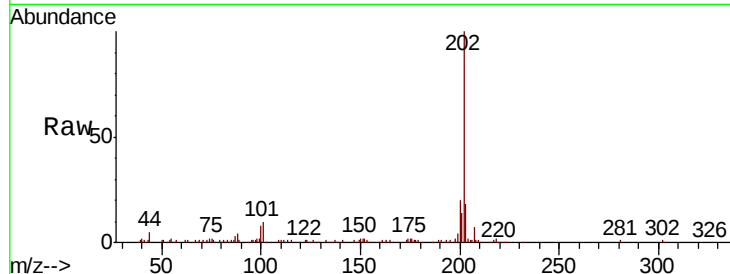
ClientSampleId :

GAJ55MSD

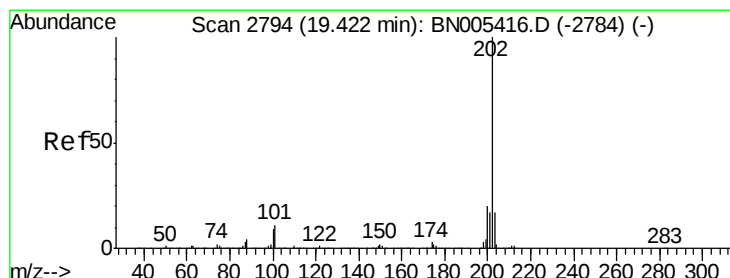
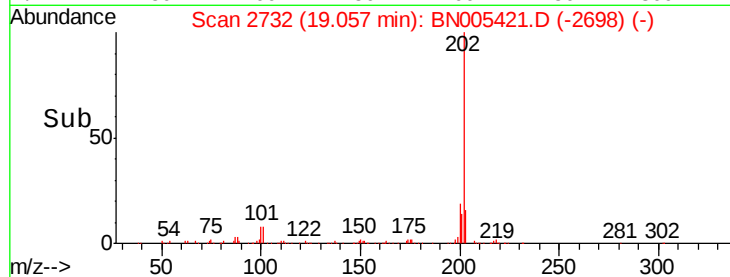
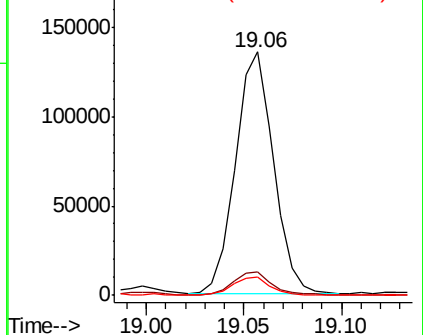
Tot Ion:	202	Resp:	183743
Ion Ratio	Lower	Upper	
202	100		
101	9.6	8.6	12.8
100	7.6	6.3	9.5

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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): B



#79

Pyrene

Concen: 38.933 ng/ul

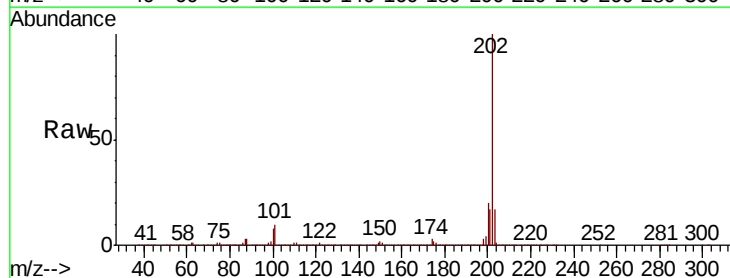
RT: 19.43 min Scan# 2795

Delta R.T. 0.01 min

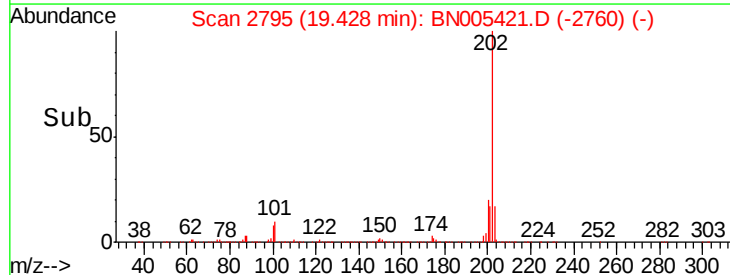
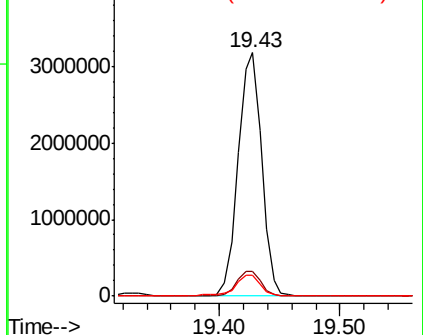
Lab File: BN005421.D

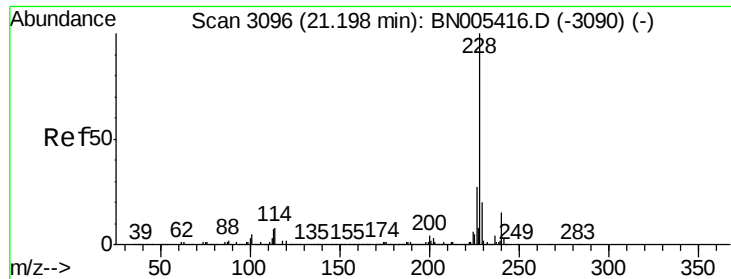
Acq: 02 May 2019 18:27

Tgt Ion:	202	Resp:	4326898
Ion Ratio	Lower	Upper	
202	100		
101	10.2	10.3	15.5#
100	8.4	7.9	11.9



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





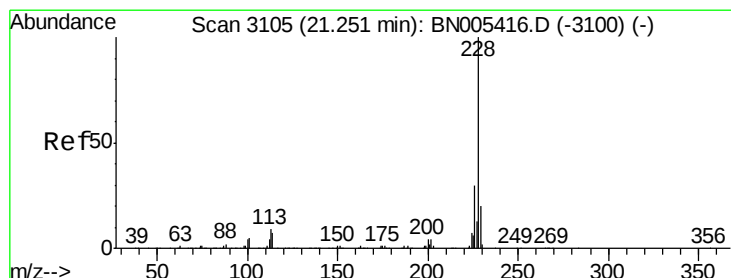
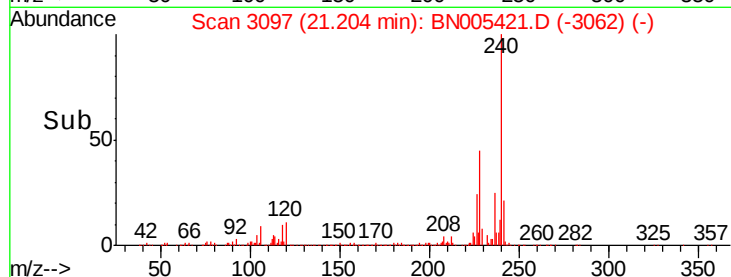
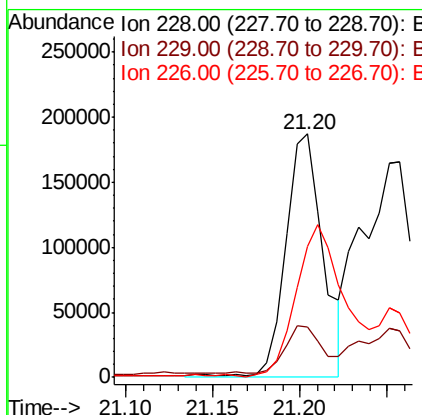
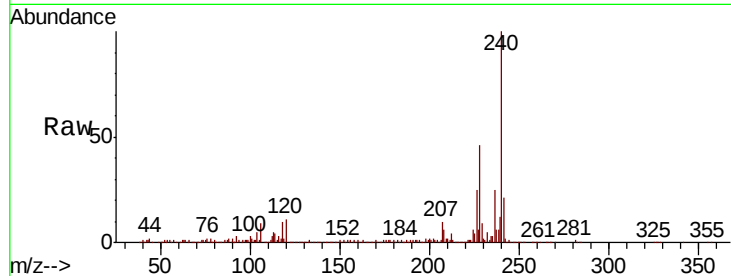
#82
Benzo(a)anthracene
Concen: 2.609 ng/ul m
RT: 21.20 min Scan# 3097
Delta R.T. 0.01 min
Lab File: BN005421.D
Acq: 02 May 2019 18:27

Instrument :
BNA_N
ClientSampleId :
GAJ55MSD

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.8	23.6
226	54.0	21.4	32.2

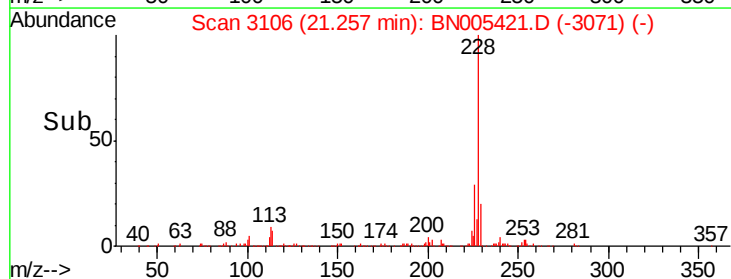
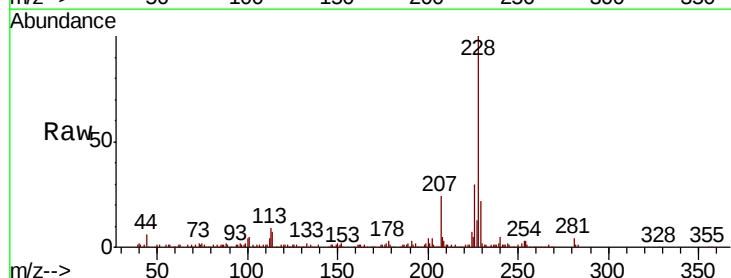
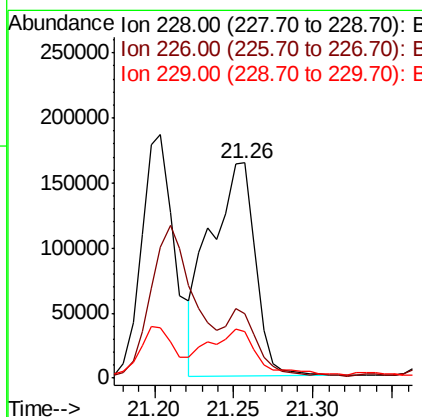
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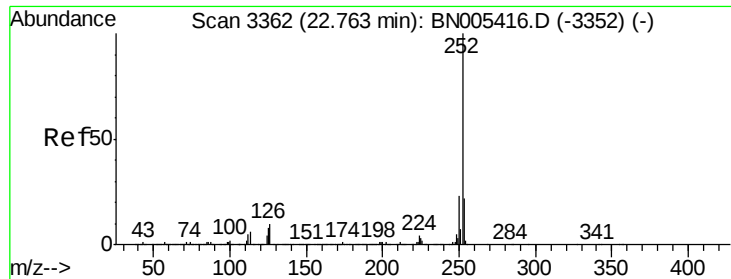
Sohil
5/3/2019 4:57:26 PM



#84
Chrysene
Concen: 3.289 ng/ul
RT: 21.26 min Scan# 3106
Delta R.T. 0.01 min
Lab File: BN005421.D
Acq: 02 May 2019 18:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.0	36.0
229	21.7	15.4	23.0





#87

Benzo(b)fluoranthene

Concen: 4.842 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. 0.01 min

Lab File: BN005421.D

Acq: 02 May 2019 18:27

Instrument :

BNA_N

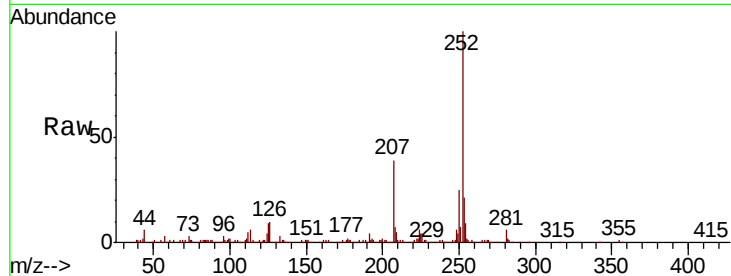
ClientSampled :

GAJ55MSD

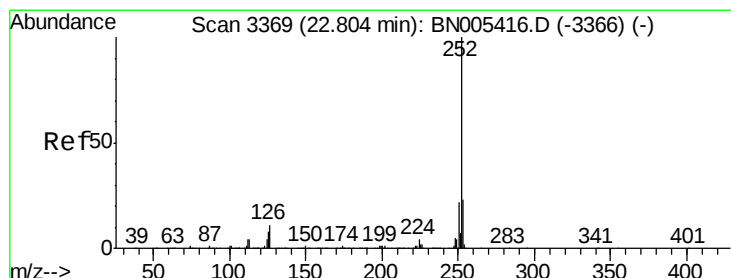
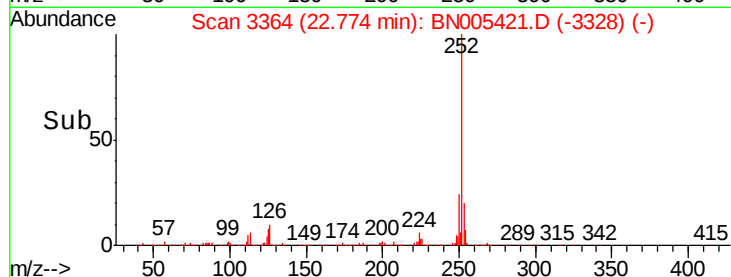
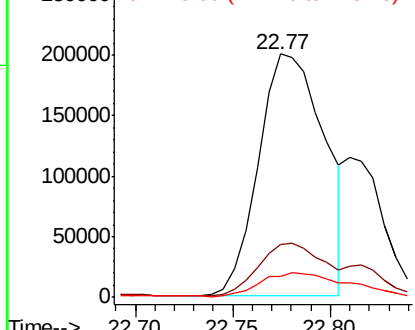
Tot Ion:	252	Resp:	467156
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.7	26.5
125	8.8	8.4	12.6

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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: 1.761 ng/ul m

RT: 22.81 min Scan# 3370

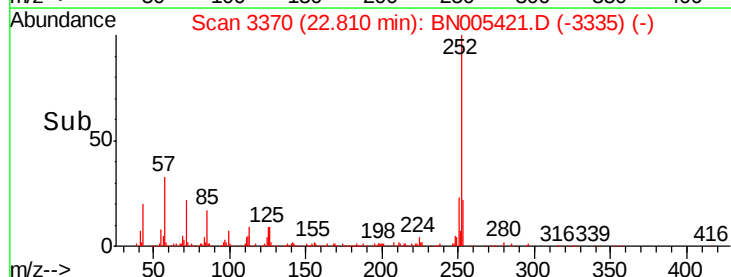
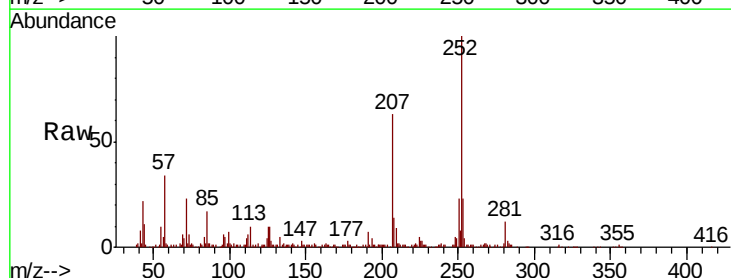
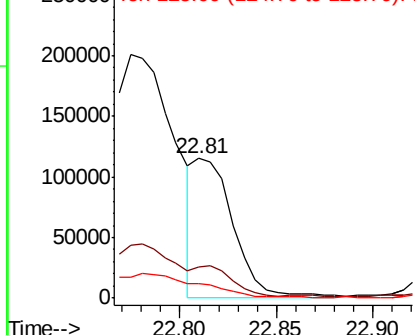
Delta R.T. 0.01 min

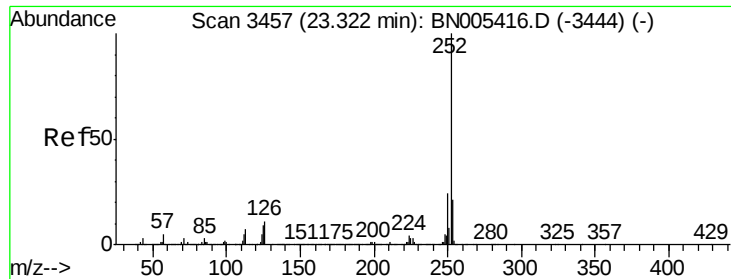
Lab File: BN005421.D

Acq: 02 May 2019 18:27

Tgt Ion:	252	Resp:	162239
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.4	26.0
125	10.0	7.5	11.3

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





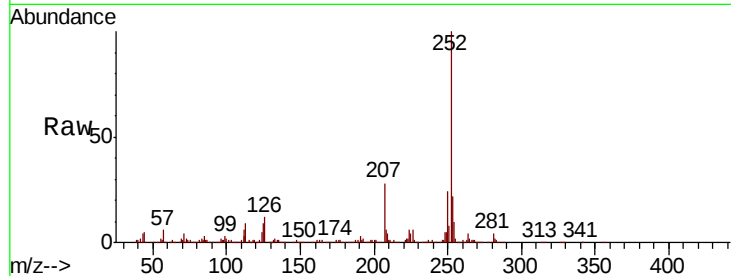
#90
Benzo(a)pyrene
Concen: 5.499 ng/ul
RT: 23.33 min Scan# 3459
Delta R.T. 0.01 min
Lab File: BN005421.D
Acq: 02 May 2019 18:27

Instrument :
BNA_N
ClientSampleId :
GAJ55MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	9.1	8.6	13.0

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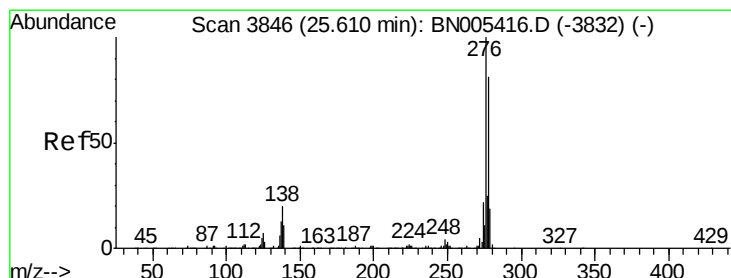
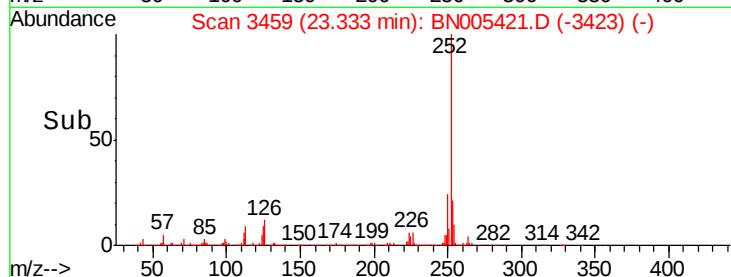
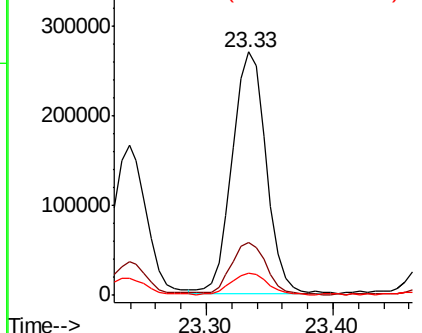


Abundance

Ion 252.00 (251.70 to 252.70): E

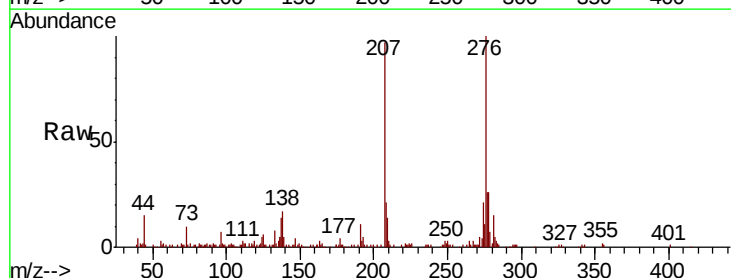
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Indeno(1,2,3-cd)pyrene
Concen: 2.109 ng/ul
RT: 25.62 min Scan# 3847
Delta R.T. 0.01 min
Lab File: BN005421.D
Acq: 02 May 2019 18:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.7	17.9	26.9#
277	26.2	19.7	29.5

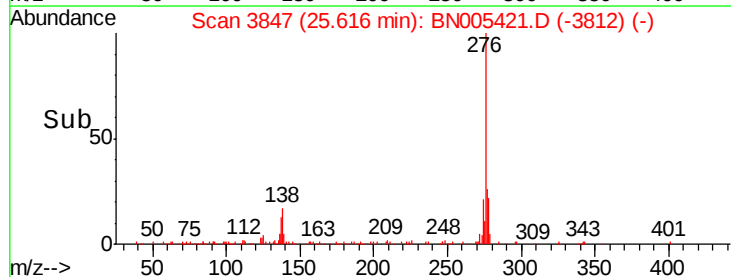
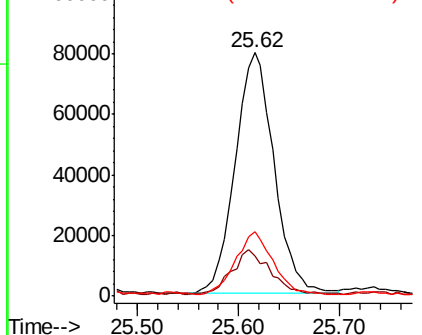


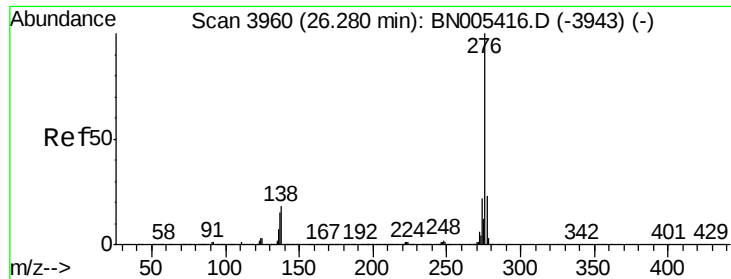
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Benzo(a,h,i)perylene

Concen: 2.469 ng/ul

RT: 26.29 min Scan# 3961

Delta R.T. 0.01 min

Lab File: BN005421.D

Acq: 02 May 2019 18:27

Instrument :

BNA_N

ClientSampleId :

GAJ55MSD

Tot Ion:	276	Resp:	204727
Ion Ratio	Lower	Upper	
276	100		
138	18.7	16.7	25.1
277	23.9	18.2	27.2

Manual Integrations
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5/3/2019 4:57:26 PM

