

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030320\
 Data File : BN010047.D
 Acq On : 02 Mar 2020 19:25
 Operator : CG/JU
 Sample : L1619-02MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBDT7MS

Manual Integrations
 APPROVED

mohammad
 3/4/2020 7:50:39 AM

Quant Time: Mar 03 01:35:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 03 01:05:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	94781	20.00	ng/ul	0.00
18) Naphthalene-d8	10.11	136	429462	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.00	164	281639	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.77	188	593696	20.00	ng/ul	0.00
78) Chrysene-d12	20.99	240	520293	20.00	ng/ul	0.00
86) Perylene-d12	23.08	264	572087	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	4182	1.81	ng/uL	0.00
5) Phenol-d5	6.58	99	82961	10.29	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.73	67	60885	10.94	ng/ul	0.00
9) 2-Chlorophenol-d4	6.91	132	64969	10.70	ng/ul	0.00
13) 4-Methylphenol-d8	8.09	113	59028	9.20	ng/ul	0.00
19) Nitrobenzene-d5	8.52	128	32164	10.24	ng/ul	0.00
22) 2-Nitrophenol-d4	9.23	143	34483	10.03	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.77	165	65840	9.96	ng/ul	0.01
29) 4-Chloroaniline-d4	10.29	131	63584	8.56	ng/ul	0.02
44) Dimethylphthalate-d6	13.44	166	254486	12.10	ng/ul	0.00
47) Acenaphthylene-d8	13.69	160	280775	11.33	ng/ul	0.00
52) 4-Nitrophenol-d4	14.27	143	31064	8.09	ng/ul	0.01
58) Fluorene-d10	15.02	176	220440	12.14	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.19	200	28967	7.85	ng/ul	0.00
71) Anthracene-d10	16.87	188	340535	12.51	ng/ul	0.00
79) Pyrene-d10	19.17	212	369752	13.60	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.95	264	366403	12.83	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	6.60	94	96068	11.120	ng/ul 95
10) 2-Chlorophenol	6.94	128	65253	10.207	ng/ul 99
15) N-Nitroso-di-n-propylamine	8.18	70	61649	11.291	ng/ul 94
33) 4-Chloro-3-methylphenol	11.44	107	86665	11.369	ng/ul 97
45) Dimethylphthalate	13.49	163	33129	1.509	ng/ul 99
48) Acenaphthylene	13.73	152	39730	1.482	ng/ul 98
50) Acenaphthene	14.07	153	203792	11.086	ng/ul 98
53) 4-Nitrophenol	14.29	109	32514	9.379	ng/ul 88
55) 2,4-Dinitrotoluene	14.43	165	71042	11.155	ng/ul# 80
69) Pentachlorophenol	16.44	266	33322	8.772	ng/ul 97
72) Anthracene	16.90	178	68857	1.988	ng/ul 99
77) Fluoranthene	18.84	202	900929	22.700	ng/ul 99
80) Pyrene	19.20	202	1168646	31.155	ng/ul 97
83) Benzo(a)anthracene	20.97	228	628234	17.571	ng/ul 94
85) Chrysene	21.02	228	239093m	6.792	ng/ul
88) Benzo(b)fluoranthene	22.47	252	1442840	38.899	ng/ul 97
89) Benzo(k)fluoranthene	22.51	252	309822m	8.821	ng/ul
91) Benzo(a)pyrene	23.00	252	580411	17.398	ng/ul 100
92) Indeno(1,2,3-cd)pyrene	25.12	276	227493	5.744	ng/ul 92
93) Dibenzo(a,h)anthracene	25.12	278	67894m	2.004	ng/ul
94) Benzo(a,h,i)perylene	25.73	276	149227	4.493	ng/ul 97

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Manual Integrations
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Quant Time: Mar 03 01:35:58 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Mar 03 01:05:31 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

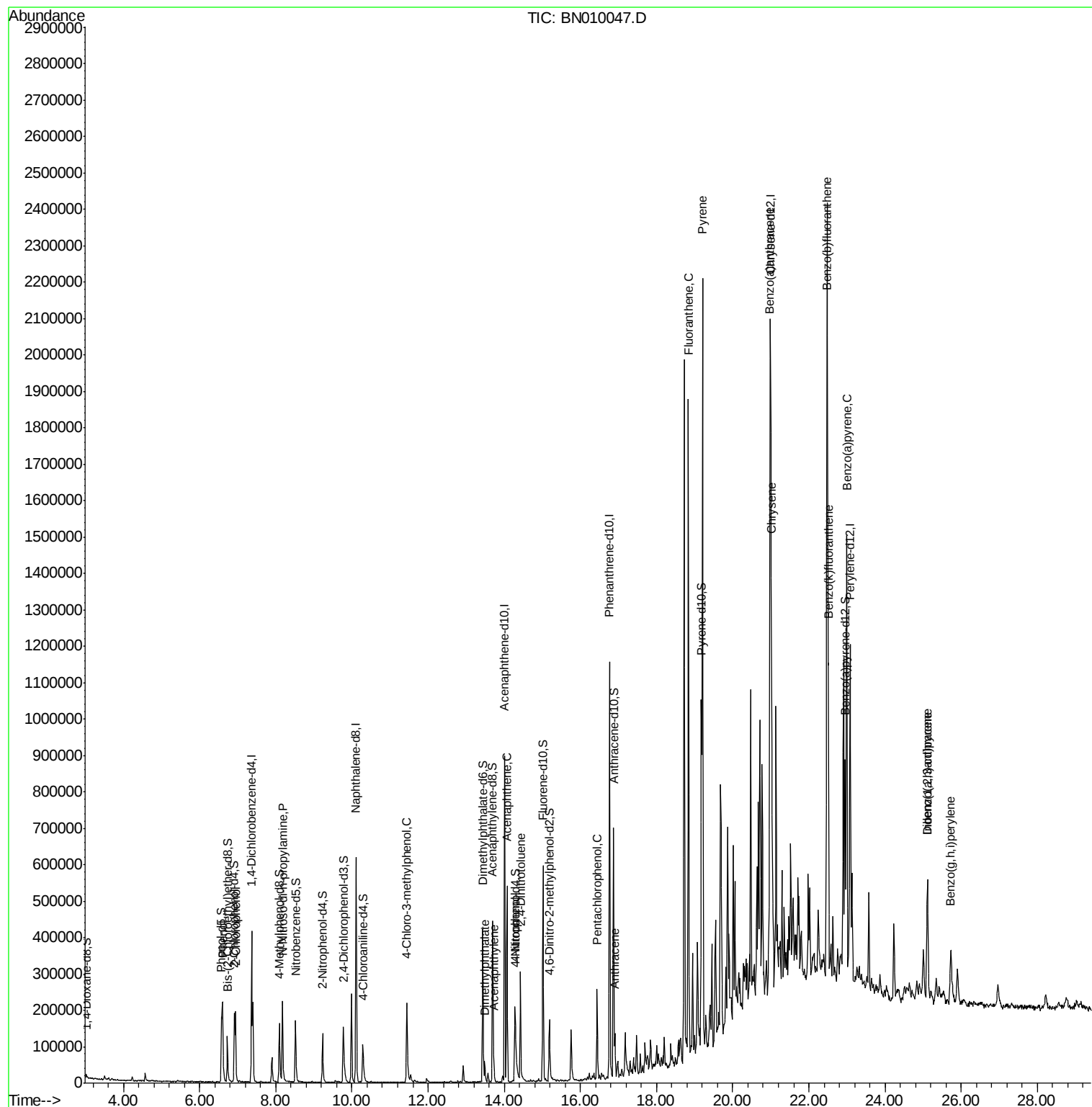
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030320\
Data File : BN010047.D
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Operator : CG/JU
Sample : L1619-02MS
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ALS Vial : 5 Sample Multiplier: 1

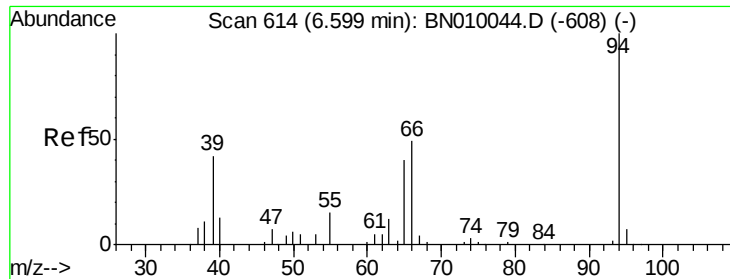
Instrument :
BNA_N
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#6

Phenol

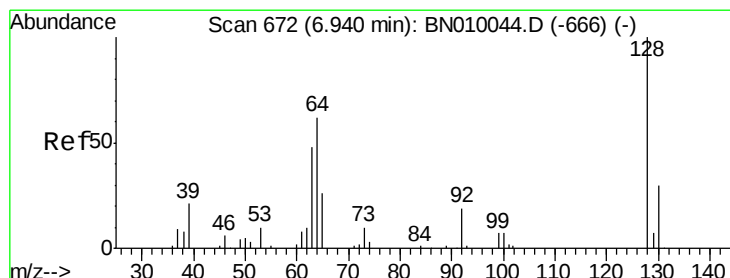
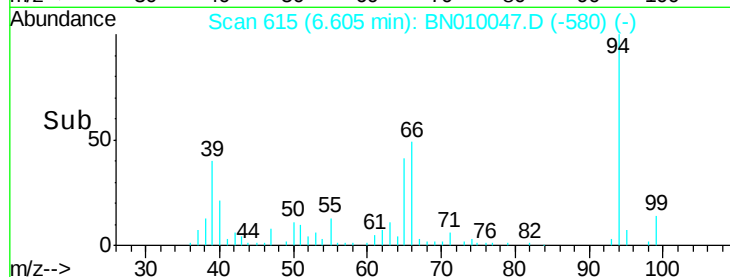
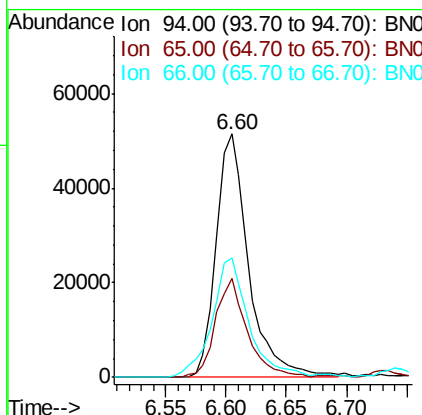
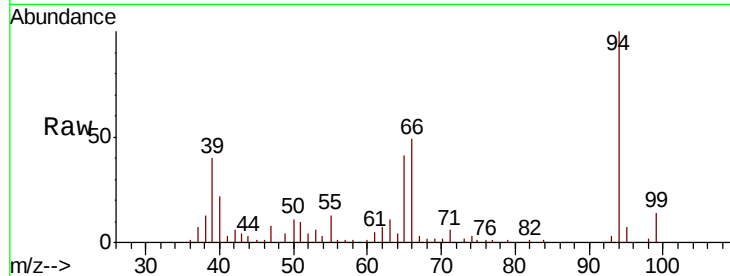
Concen: 11.120 ng/ul
 RT: 6.60 min Scan# 615
 Delta R.T. 0.01 min
 Lab File: BN010047.D
 Acq: 02 Mar 2020 19:25

Instrument :
 BNA_N
 ClientSampleId :
 DBDT7MS

Tot Ion	Ion	Ratio	Lower	Upper
94	100			
65	40.9	27.6	41.4	
66	48.9	38.5	57.7	

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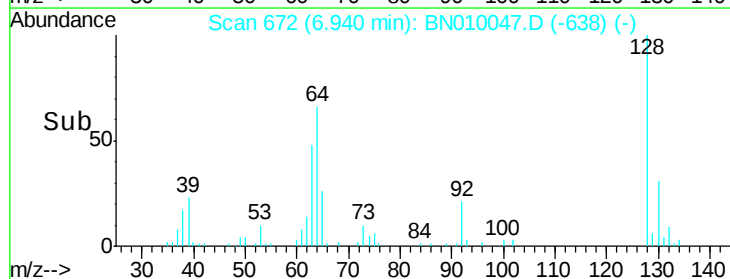
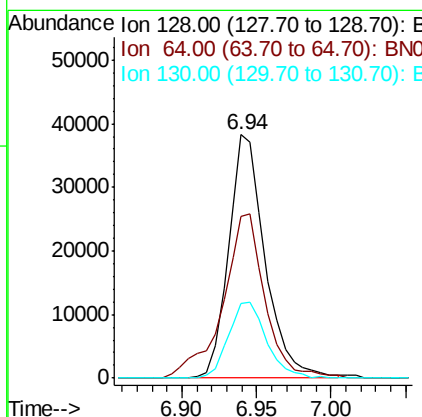
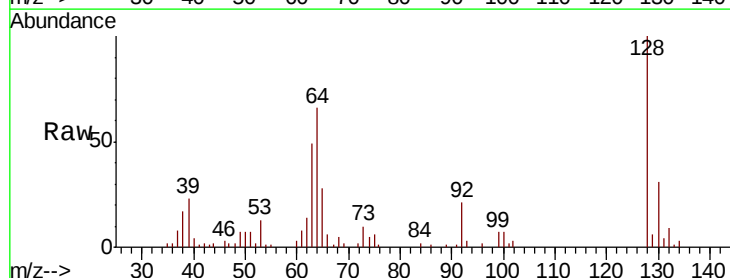


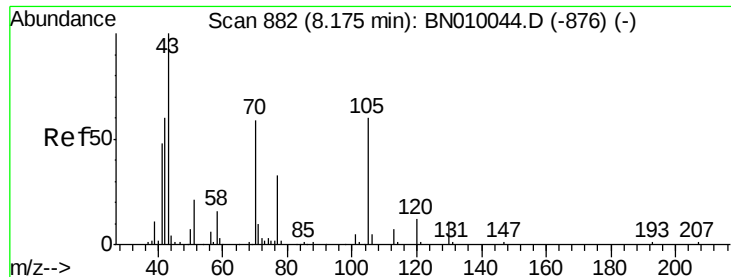
#10

2-Chlorophenol

Concen: 10.207 ng/ul
 RT: 6.94 min Scan# 672
 Delta R.T. 0.00 min
 Lab File: BN010047.D
 Acq: 02 Mar 2020 19:25

Tgt Ion	Ion	Ratio	Lower	Upper
128	100			
64	66.5	52.5	78.7	
130	30.7	24.4	36.6	





#15

N-Nitroso-di-n-propylamine

Concen: 11.291 ng/ul

RT: 8.18 min Scan# 882

Delta R.T. 0.00 min

Lab File: BN010047.D

Acq: 02 Mar 2020 19:25

Instrument :

BNA_N

ClientSampleId :

DBDT7MS

Tot Ion: 70 Resp: 61649

Ion Ratio Lower Upper

70 100

42 97.1 72.6 108.8

101 10.6 7.7 11.5

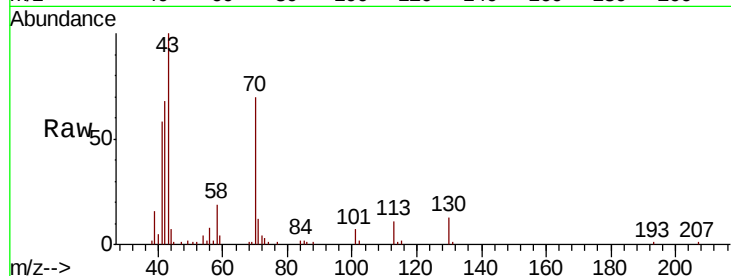
130 19.1 14.7 22.1

Manual Integrations

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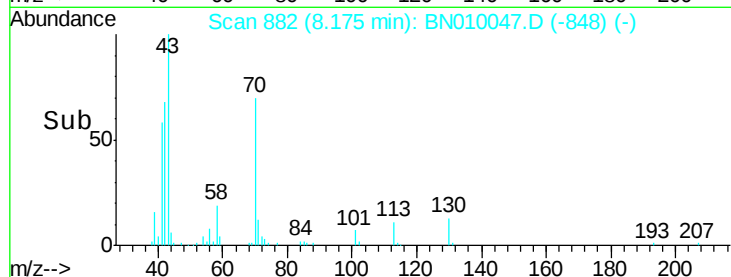
Abundance Ion 70.00 (69.70 to 70.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

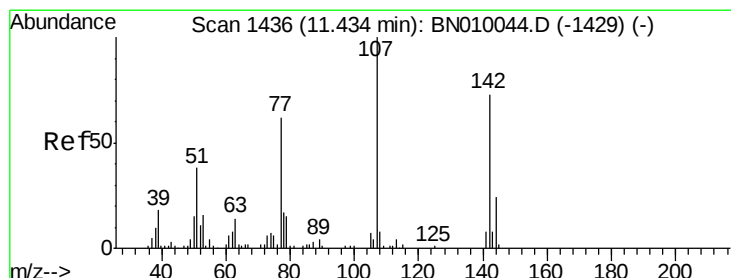
Ion 101.00 (100.70 to 101.70): BN0

Ion 130.00 (129.70 to 130.70): BN0

Time-->



Time-->



#33

4-Chloro-3-methylphenol

Concen: 11.369 ng/ul

RT: 11.44 min Scan# 1437

Delta R.T. 0.01 min

Lab File: BN010047.D

Acq: 02 Mar 2020 19:25

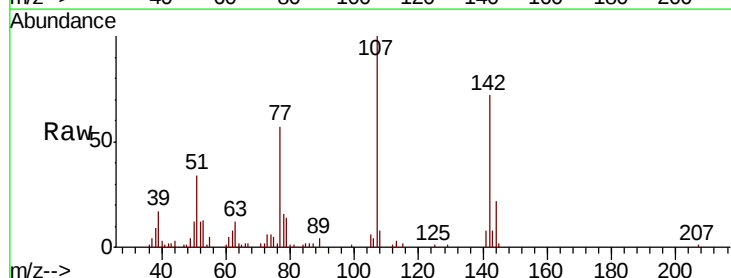
Tgt Ion:107 Resp: 86665

Ion Ratio Lower Upper

107 100

144 21.9 19.3 28.9

142 72.3 59.5 89.3

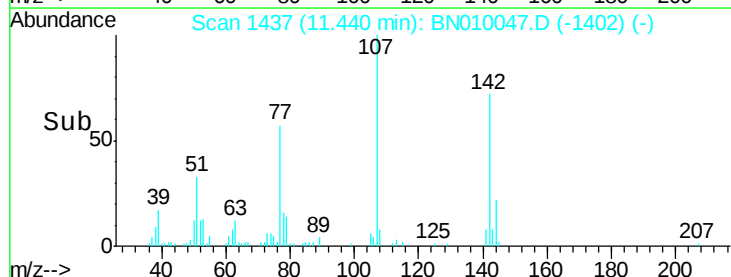


Abundance Ion 107.00 (106.70 to 107.70): BN0

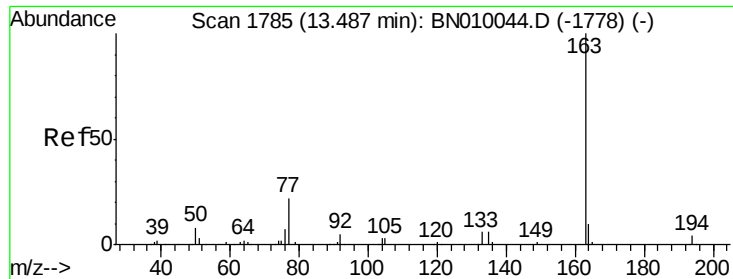
Ion 144.00 (143.70 to 144.70): BN0

Ion 142.00 (141.70 to 142.70): BN0

Time-->



Time-->



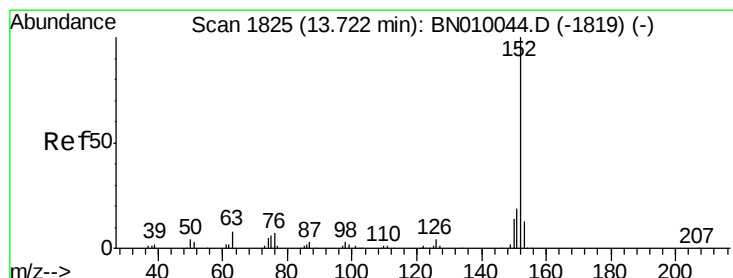
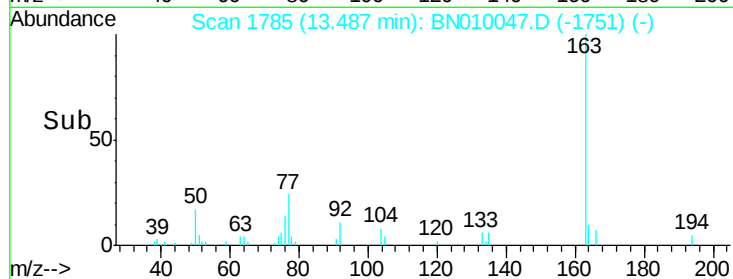
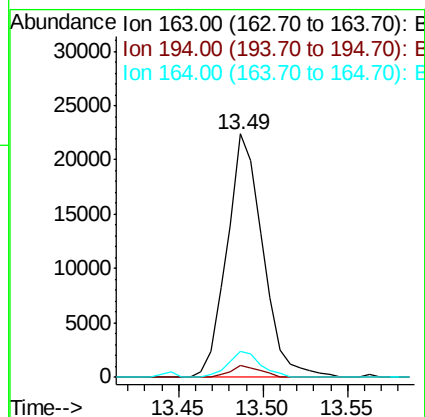
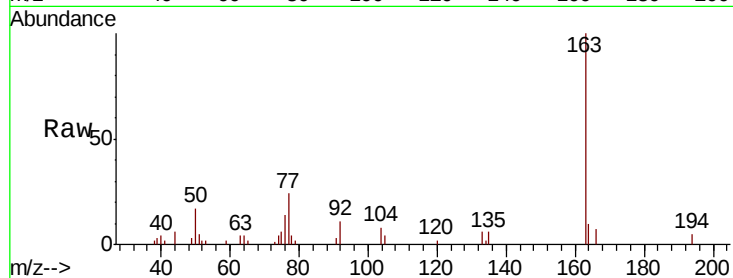
#45
Dimethylphthalate
Concen: 1.509 ng/ul
RT: 13.49 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BN010047.D
Acq: 02 Mar 2020 19:25

Instrument :
BNA_N
ClientSampleId :
DBDT7MS

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.4	5.0
164	10.4	8.0	12.0

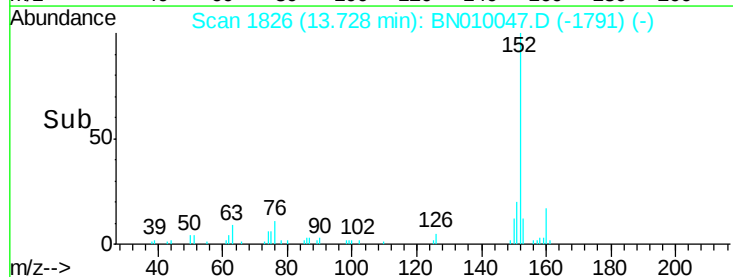
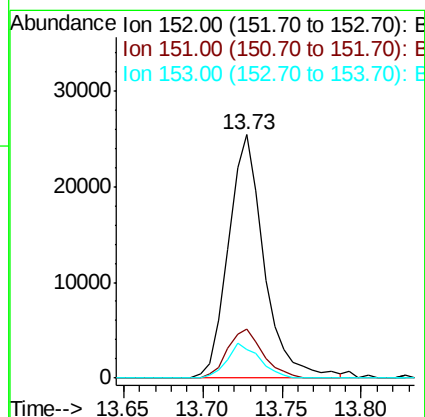
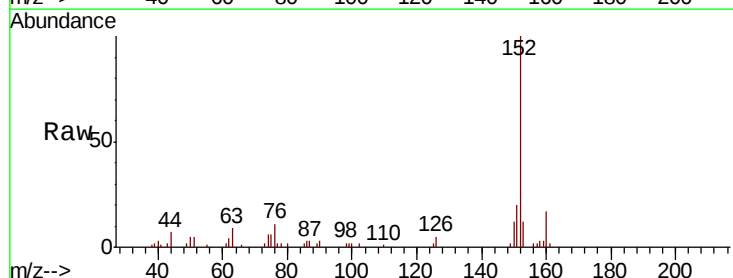
Manual Integrations
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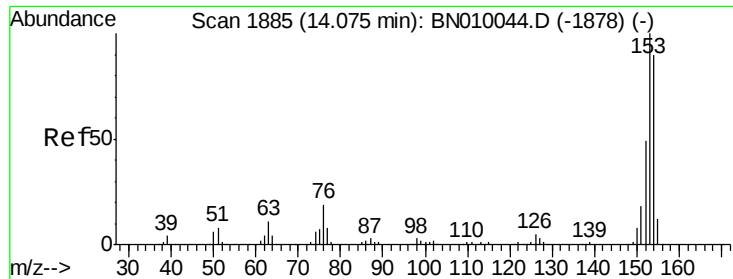
mohammad
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#48
Acenaphthylene
Concen: 1.482 ng/ul
RT: 13.73 min Scan# 1826
Delta R.T. 0.01 min
Lab File: BN010047.D
Acq: 02 Mar 2020 19:25

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.7	23.5
153	11.9	10.3	15.5





#50

Acenaphthene

Concen: 11.086 ng/ul

RT: 14.07 min Scan# 1885

Delta R.T. 0.00 min

Lab File: BN010047.D

Acq: 02 Mar 2020 19:25

Instrument :

BNA_N

ClientSampleId :

DBDT7MS

Tot Ion:153 Resp: 203792

Ion Ratio Lower Upper

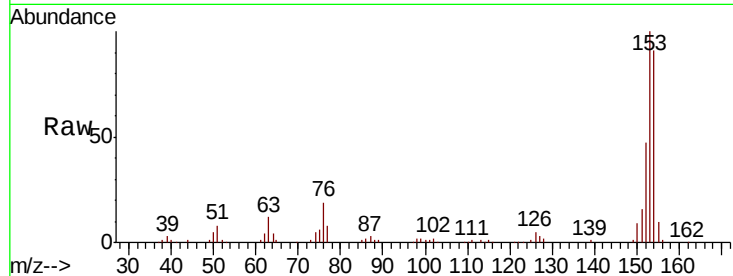
153 100

152 46.7 36.6 54.8

154 90.7 70.6 106.0

Manual Integrations
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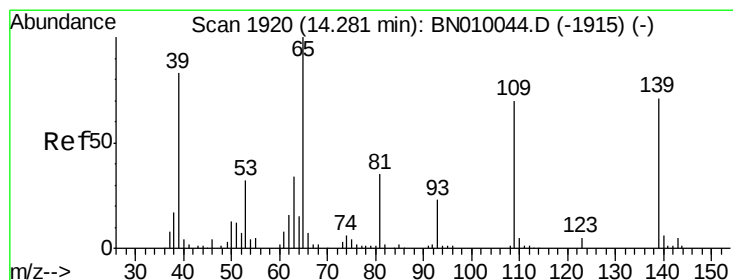
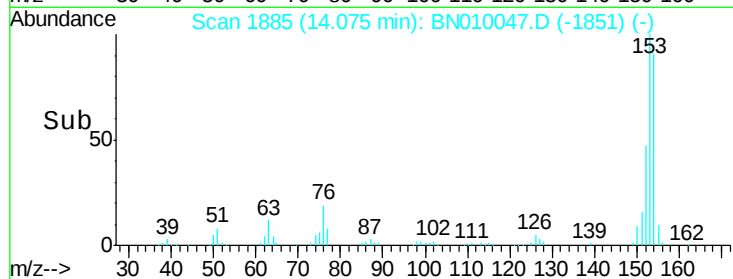
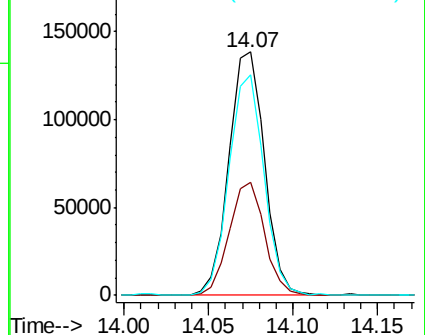
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

4-Nitrophenol

Concen: 9.379 ng/ul

RT: 14.29 min Scan# 1922

Delta R.T. 0.01 min

Lab File: BN010047.D

Acq: 02 Mar 2020 19:25

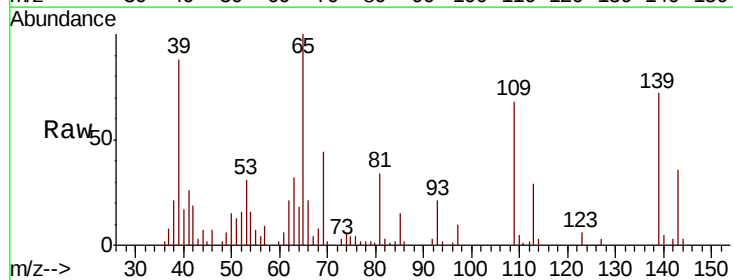
Tgt Ion:109 Resp: 32514

Ion Ratio Lower Upper

109 100

139 105.4 96.3 144.5

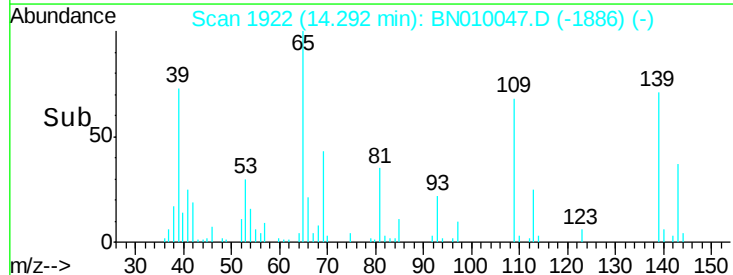
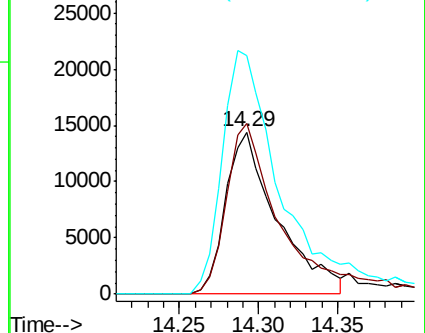
65 147.1 129.9 194.9

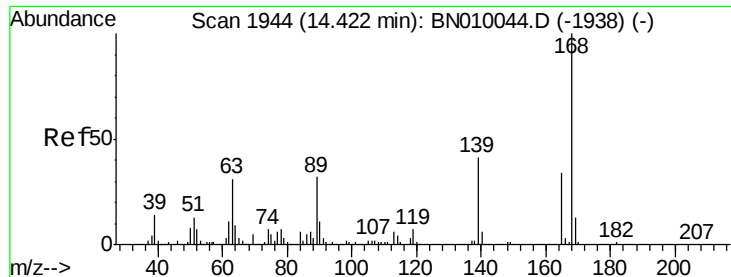


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BNC





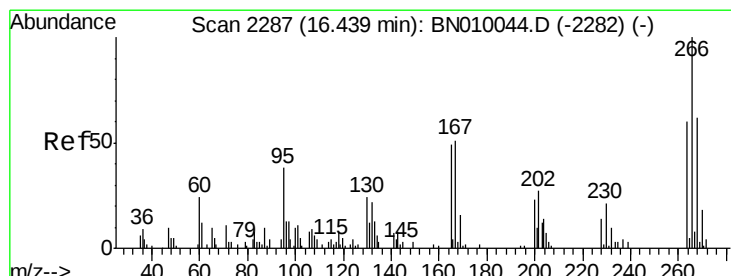
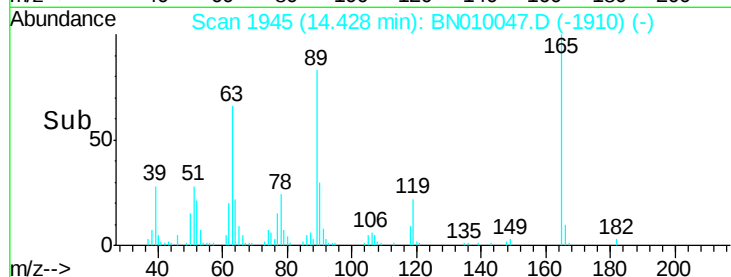
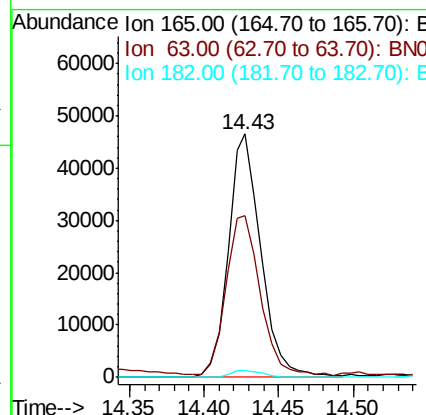
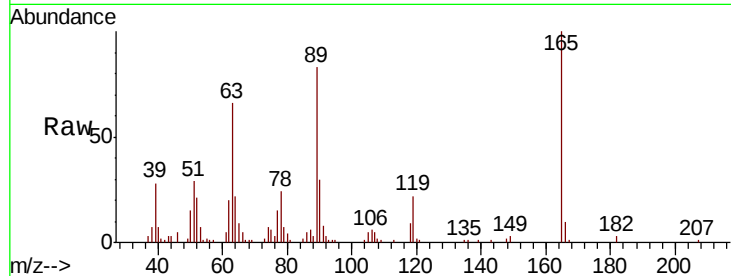
#55
2,4-Dinitrotoluene
Concen: 11.155 ng/ul
RT: 14.43 min Scan# 1945
Delta R.T. 0.01 min
Lab File: BN010047.D
Acq: 02 Mar 2020 19:25

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Tot Ion	Ratio	Lower	Upper
165	100		
63	66.3	68.3	102.5#
182	3.0	2.2	3.4

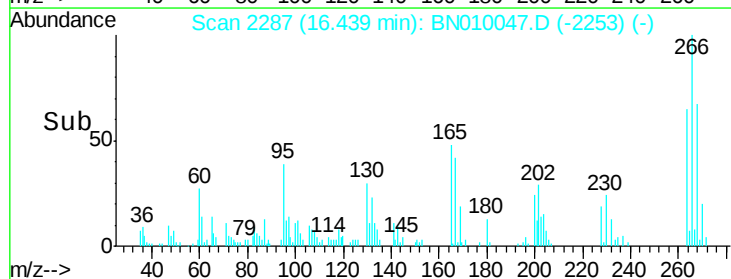
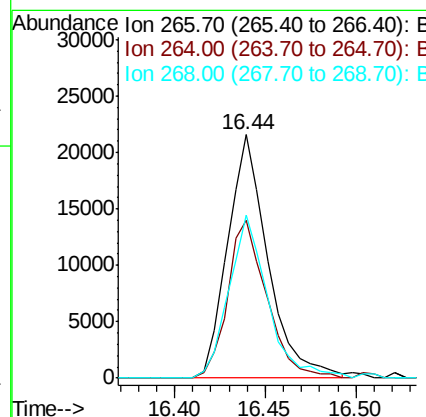
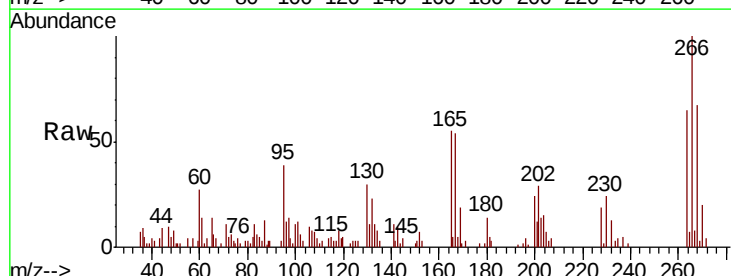
Manual Integrations
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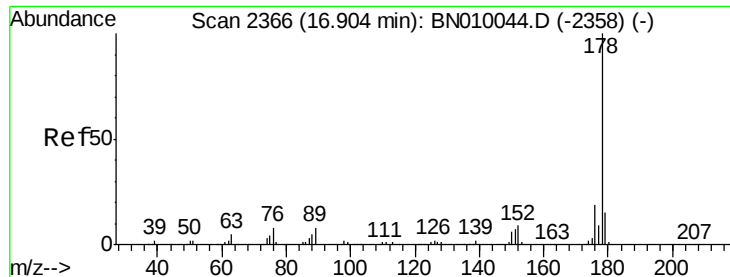
mohammad
3/4/2020 7:50:39 AM



#69
Pentachlorophenol
Concen: 8.772 ng/ul
RT: 16.44 min Scan# 2287
Delta R.T. 0.00 min
Lab File: BN010047.D
Acq: 02 Mar 2020 19:25

Tgt Ion	Ratio	Lower	Upper
266	100		
264	65.0	52.9	79.3
268	70.0	52.5	78.7





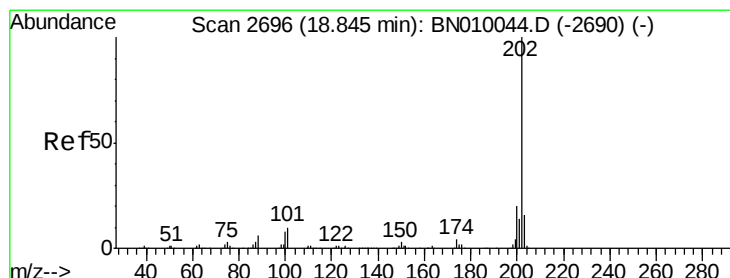
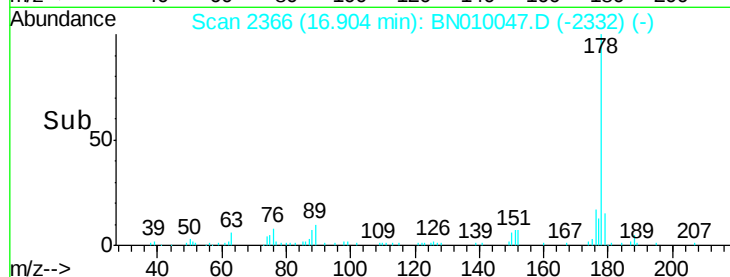
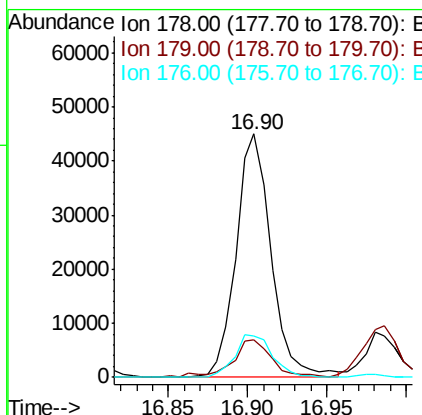
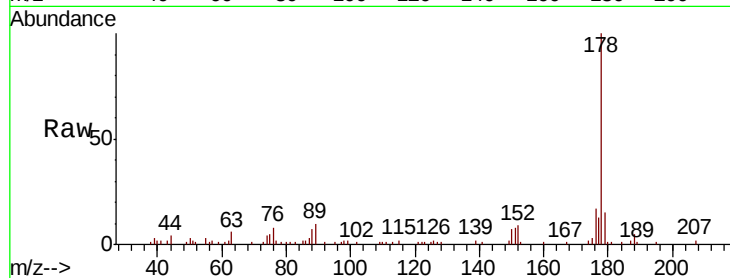
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 Anthracene
 Concen: 1.988 ng/ul
 RT: 16.90 min Scan# 2366
 Delta R.T. 0.00 min
 Lab File: BN010047.D
 Acq: 02 Mar 2020 19:25

Instrument :
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Tot Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.2
176	17.2	14.6	21.8

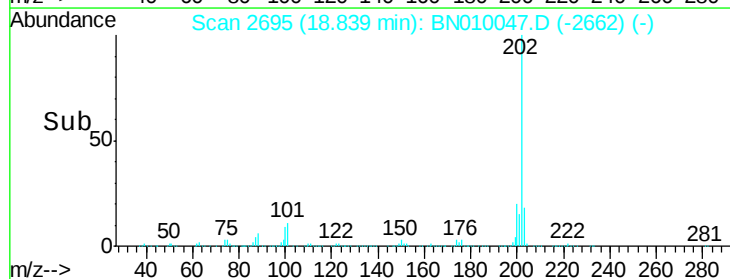
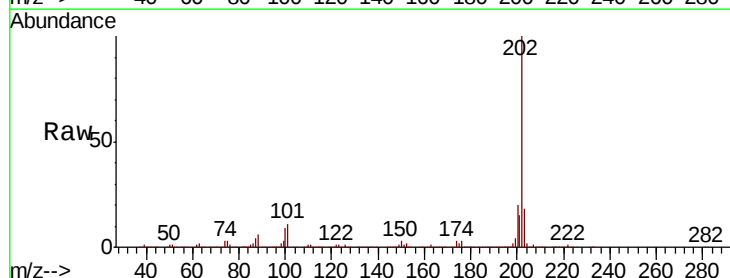
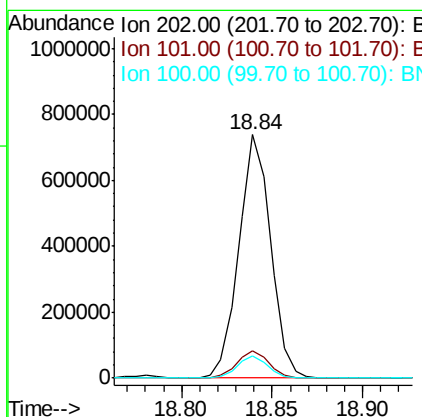
Manual Integrations
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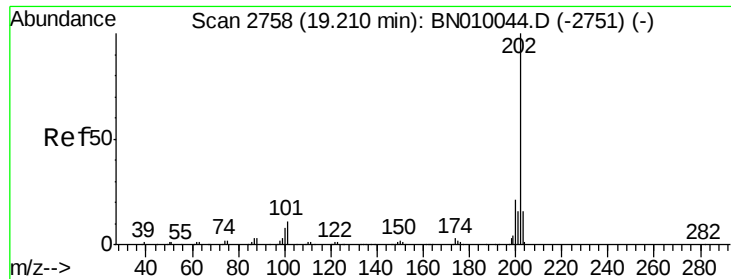
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#77
 Fluoranthene
 Concen: 22.700 ng/ul
 RT: 18.84 min Scan# 2695
 Delta R.T. -0.01 min
 Lab File: BN010047.D
 Acq: 02 Mar 2020 19:25

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.4	14.2
100	8.9	7.2	10.8





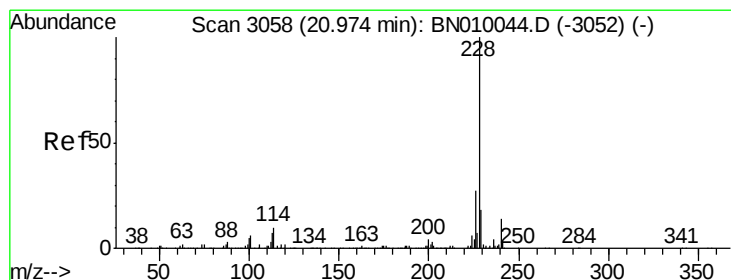
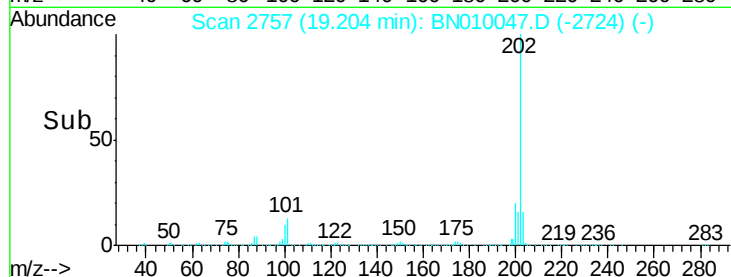
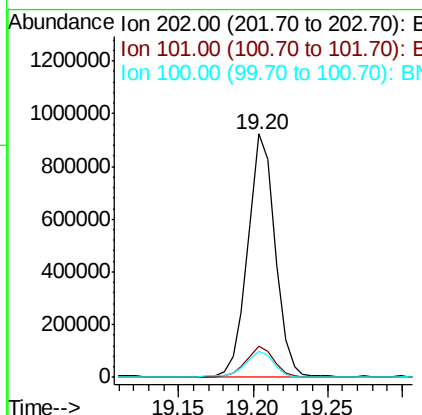
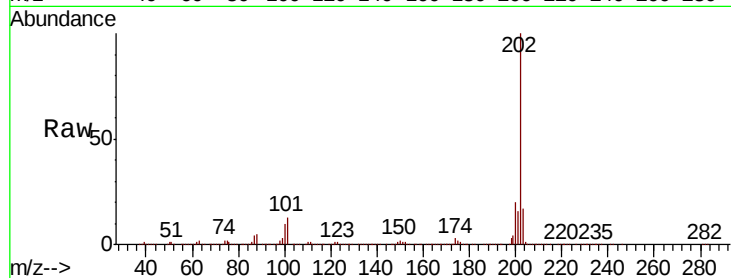
#80
Pvrene
Concen: 31.155 ng/ul
RT: 19.20 min Scan# 2757
Delta R.T. -0.01 min
Lab File: BN010047.D
Acq: 02 Mar 2020 19:25

Instrument :
BNA_N
ClientSampleId :
DBDT7MS

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.6	11.3	16.9
100	10.5	9.0	13.6

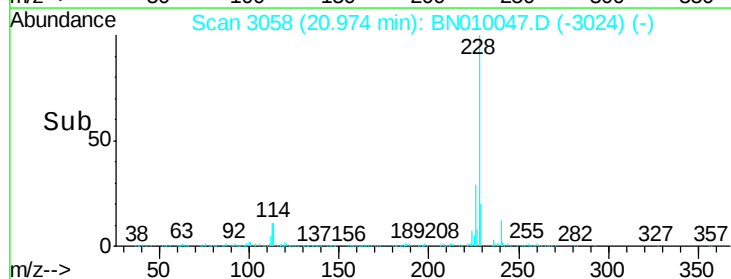
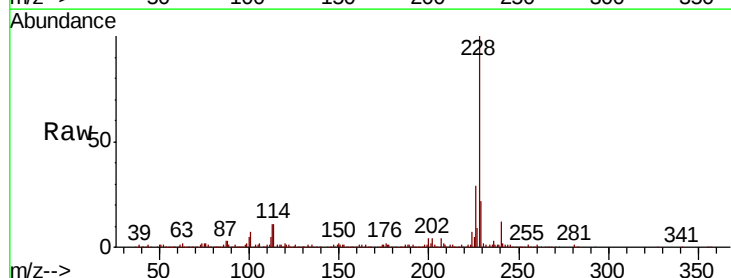
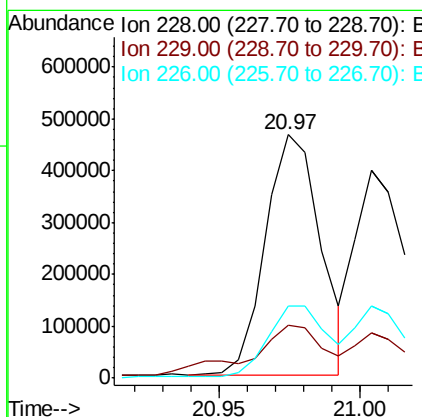
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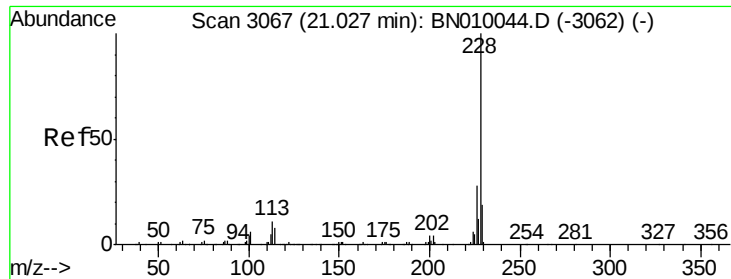
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#83
Benzo(a)anthracene
Concen: 17.571 ng/ul
RT: 20.97 min Scan# 3058
Delta R.T. 0.00 min
Lab File: BN010047.D
Acq: 02 Mar 2020 19:25

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.6	15.0	22.4
226	29.4	21.4	32.2





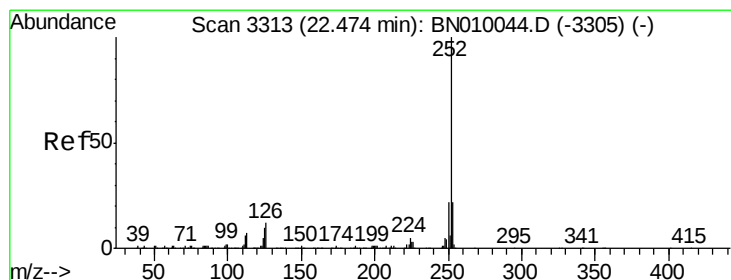
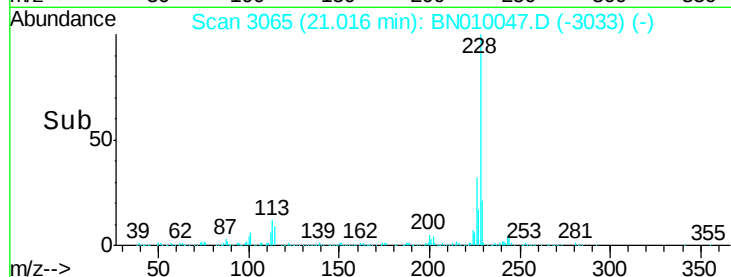
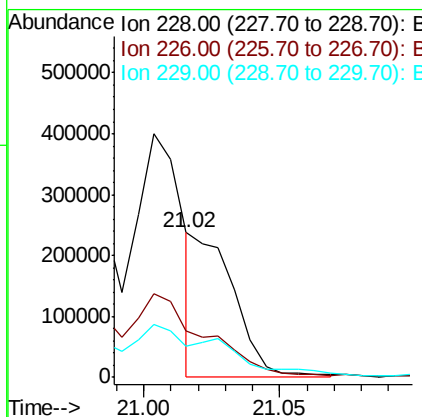
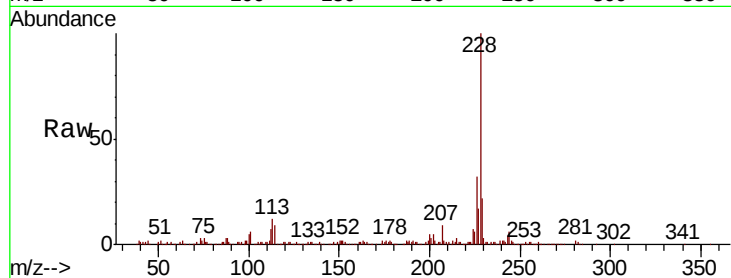
#85
 Chrysene
 Concen: 6.792 ng/ul m
 RT: 21.02 min Scan# 3065
 Delta R.T. -0.01 min
 Lab File: BN010047.D
 Acq: 02 Mar 2020 19:25

Instrument :
 BNA_N
 ClientSampleId :
 DBDT7MS

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.3	23.4	35.2
229	21.6	15.0	22.4

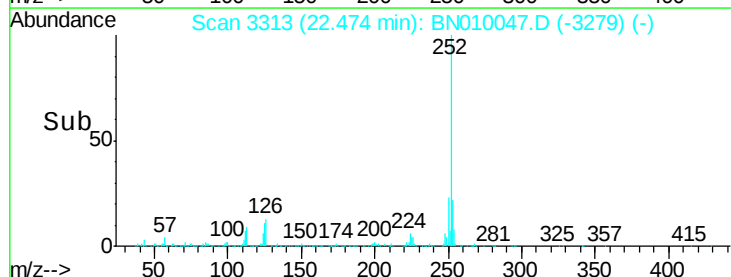
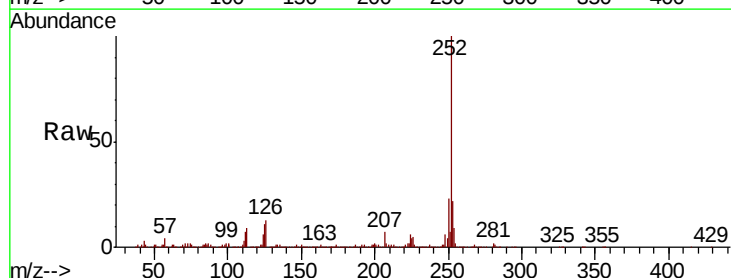
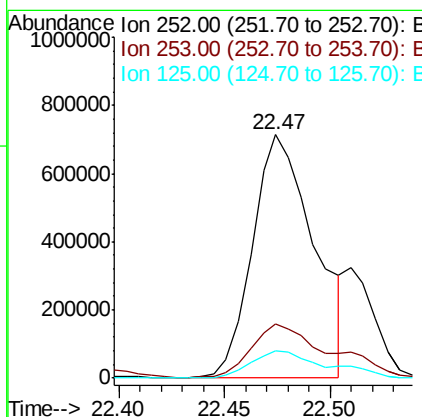
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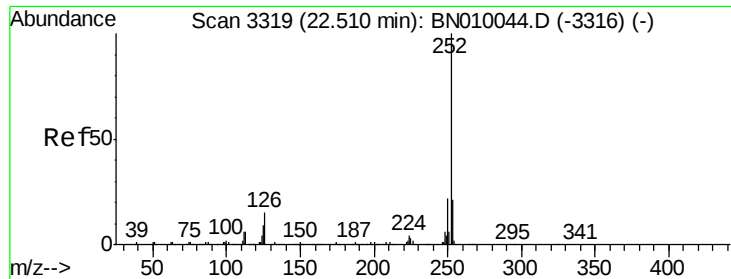
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#88
 Benzo(b)fluoranthene
 Concen: 38.899 ng/ul
 RT: 22.47 min Scan# 3313
 Delta R.T. 0.00 min
 Lab File: BN010047.D
 Acq: 02 Mar 2020 19:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.4
125	11.0	8.0	12.0





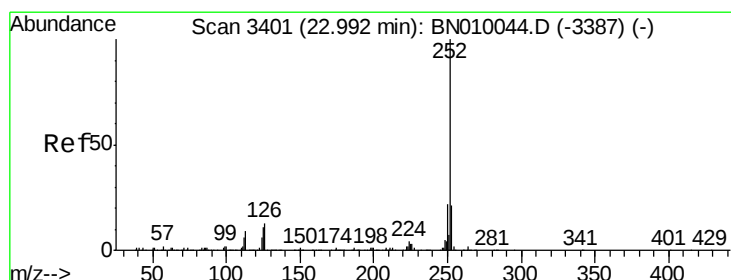
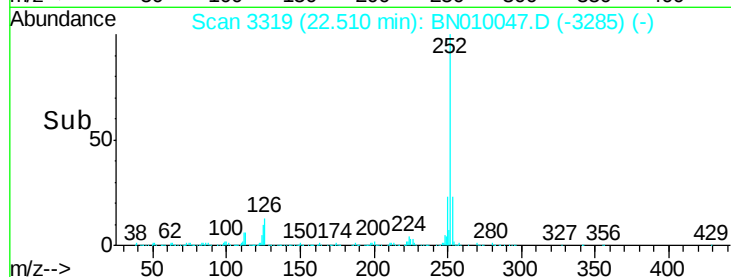
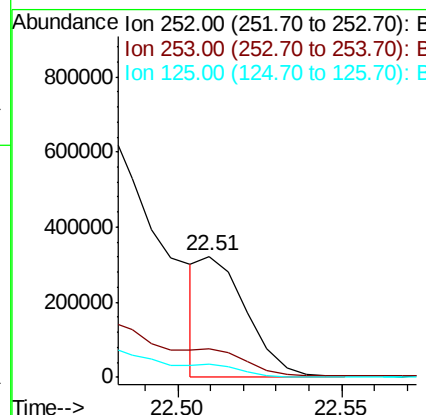
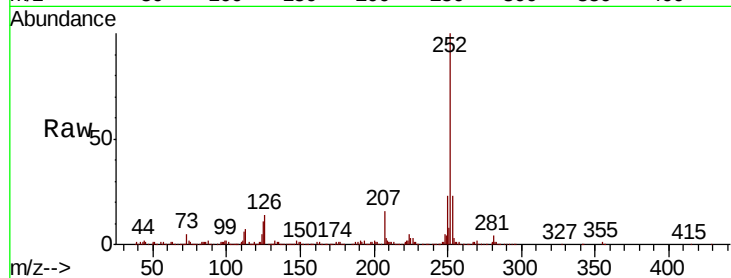
#89
Benzo(k)fluoranthene
Concen: 8.821 ng/ul m
RT: 22.51 min Scan# 3319
Delta R.T. 0.00 min
Lab File: BN010047.D
Acq: 02 Mar 2020 19:25

Instrument :
BNA_N
ClientSampleId :
DBDT7MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	10.7	8.2	12.2

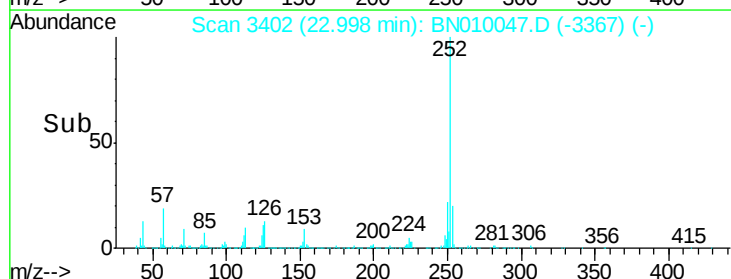
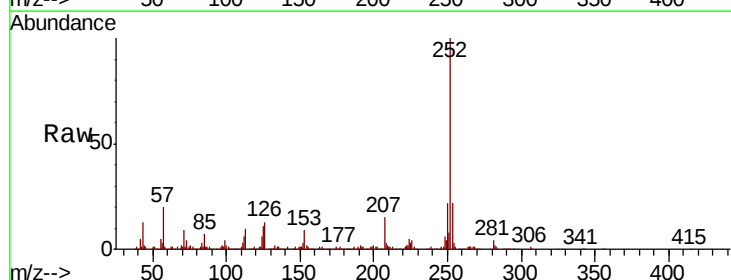
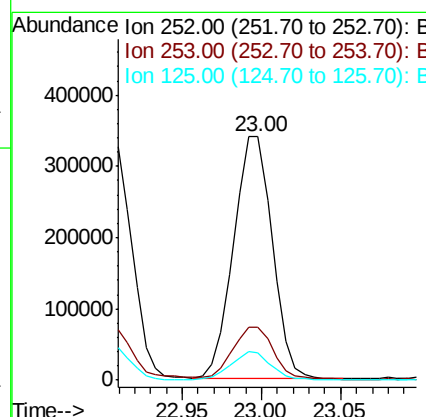
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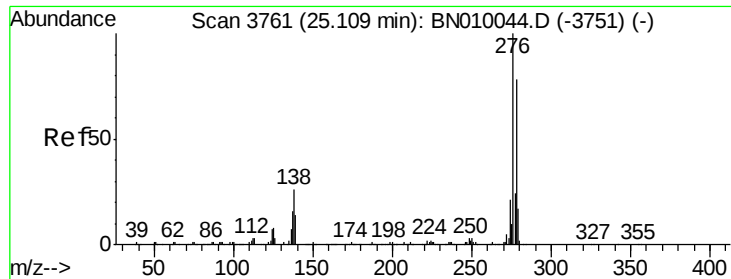
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#91
Benzo(a)pyrene
Concen: 17.398 ng/ul
RT: 23.00 min Scan# 3402
Delta R.T. 0.01 min
Lab File: BN010047.D
Acq: 02 Mar 2020 19:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	11.0	9.0	13.6





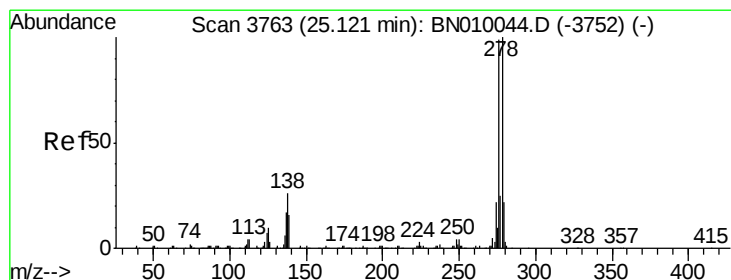
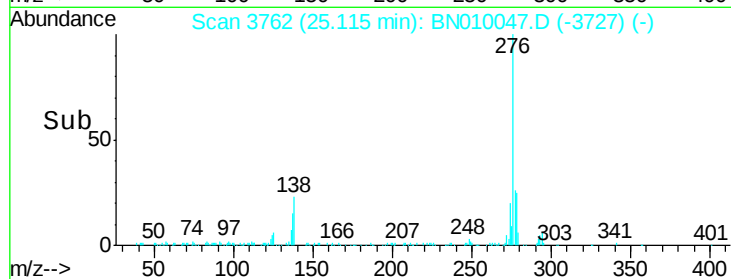
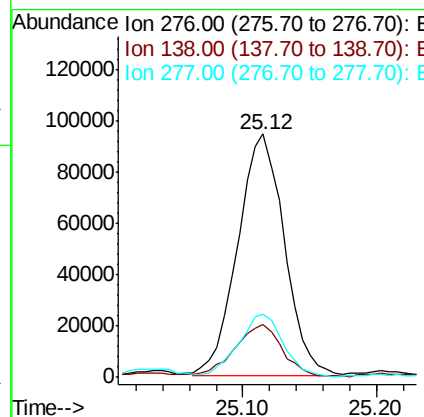
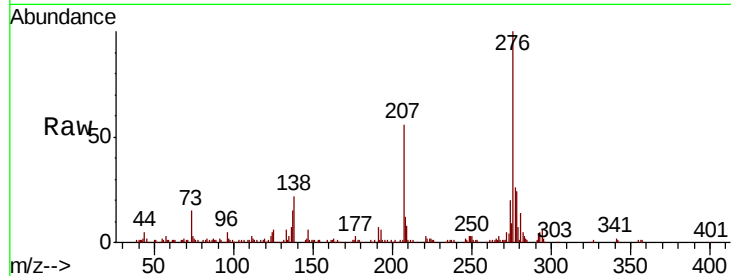
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 5.744 ng/ul
 RT: 25.12 min Scan# 3762
 Delta R.T. 0.01 min
 Lab File: BN010047.D
 Acq: 02 Mar 2020 19:25

Instrument :
 BNA_N
 ClientSampleId :
 DBDT7MS

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.7	20.9	31.3
277	26.0	18.2	27.4

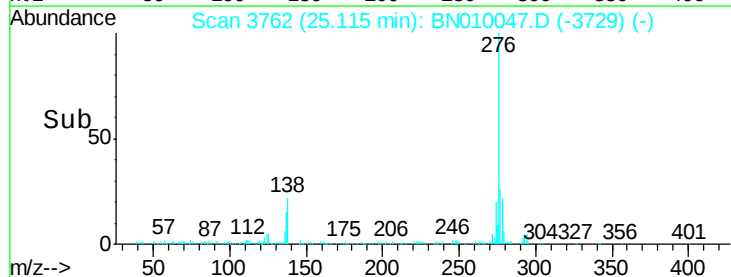
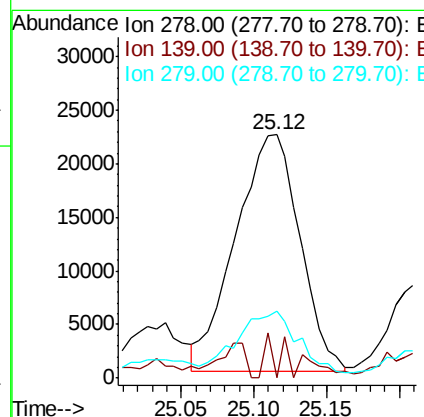
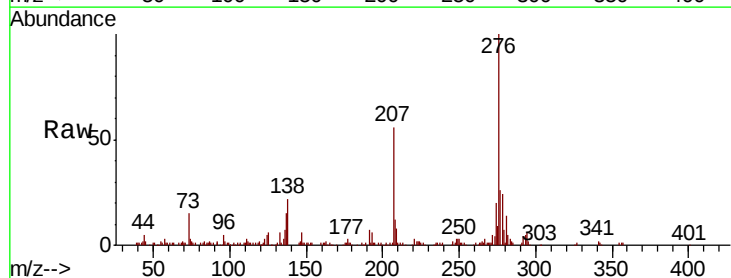
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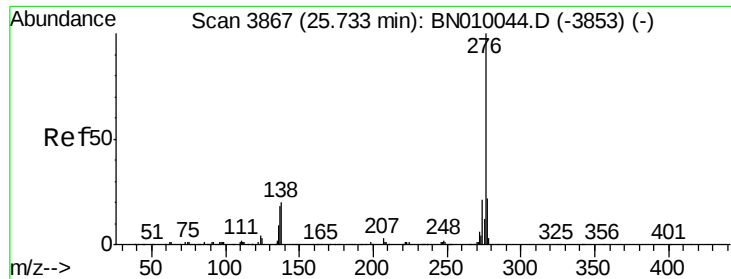
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#93
 Dibenzo(a,h)anthracene
 Concen: 2.004 ng/ul m
 RT: 25.12 min Scan# 3762
 Delta R.T. -0.01 min
 Lab File: BN010047.D
 Acq: 02 Mar 2020 19:25

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.0	19.4#
279	27.3	17.5	26.3#





#94
 Benzo(a,h,i)perylene
 Concen: 4.493 ng/ul
 RT: 25.73 min Scan# 3866
 Delta R.T. -0.01 min
 Lab File: BN010047.D
 Acq: 02 Mar 2020 19:25

Instrument :
 BNA_N
 ClientSampleId :
 DBDT7MS

Tot Ion:	276	Resp:	149227
Ion Ratio	Lower	Upper	
276	100		
138	19.8	17.5	26.3
277	21.8	18.1	27.1

Manual Integrations
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