

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030320\
 Data File : BN010049.D
 Acq On : 02 Mar 2020 20:38
 Operator : CG/JU
 Sample : L1619-04
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DBDT8

Manual Integrations
 APPROVED

mohammad
 3/4/2020 7:50:42 AM

Quant Time: Mar 03 01:33:21 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	7.36	152	100910	20.00	ng/ul	0.00
18) Naphthalene-d8	10.11	136	450527	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.00	164	281378	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.77	188	579253	20.00	ng/ul	0.00
78) Chrysene-d12	21.00	240	503679	20.00	ng/ul	0.01
86) Perylene-d12	23.09	264	536961	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	4582	1.87	ng/uL	0.01
5) Phenol-d5	6.58	99	102975	12.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.73	67	73524	12.41	ng/ul	0.00
9) 2-Chlorophenol-d4	6.91	132	83756	12.96	ng/ul	0.00
13) 4-Methylphenol-d8	8.09	113	80505	11.79	ng/ul	0.00
19) Nitrobenzene-d5	8.52	128	39158	11.88	ng/ul	0.00
22) 2-Nitrophenol-d4	9.23	143	44312	12.29	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.77	165	84645	12.21	ng/ul	0.01
29) 4-Chloroaniline-d4	10.30	131	26660m	3.42	ng/ul	0.03
44) Dimethylphthalate-d6	13.44	166	272627	12.97	ng/ul	0.00
47) Acenaphthylene-d8	13.69	160	316865	12.80	ng/ul	0.00
52) 4-Nitrophenol-d4	14.29	143	32701	8.52	ng/ul	0.02
58) Fluorene-d10	15.02	176	235725	12.99	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.19	200	31093	8.64	ng/ul	0.00
71) Anthracene-d10	16.87	188	357206	13.45	ng/ul	0.00
79) Pyrene-d10	19.17	212	369846	14.05	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.97	264	356097	13.28	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	6.61	94	12364	1.344	ng/ul#	80
14) Acetophenone	8.20	105	17649	1.586	ng/ul	94
28) Naphthalene	10.16	128	46547	1.916	ng/ul#	95
34) 2-Methylnaphthalene	11.79	142	72974	4.326	ng/ul	94
41) 1,1'-Biphenyl	12.83	154	21906	1.014	ng/ul	99
45) Dimethylphthalate	13.49	163	36824	1.679	ng/ul	98
48) Acenaphthylene	13.72	152	315865	11.790	ng/ul	99
54) Dibenzofuran	14.42	168	137445	5.332	ng/ul	97
59) Fluorene	15.07	166	276895	12.799	ng/ul	98
70) Phenanthrene	16.81	178	722192	21.846	ng/ul	98
72) Anthracene	16.92	178	9916460	293.435	ng/ul	98
75) Carbazole	17.19	167	1679543	56.436	ng/ul	99
77) Fluoranthene	18.84	202	1163159	30.038	ng/ul	99
80) Pyrene	19.21	202	1577622	43.445	ng/ul	97
83) Benzo(a)anthracene	20.99	228	2194069	63.388	ng/ul	92
85) Chrysene	21.03	228	1648302m	48.371	ng/ul	
88) Benzo(b)fluoranthene	22.50	252	9262842	266.063	ng/ul	96
89) Benzo(k)fluoranthene	22.54	252	2515933m	76.321	ng/ul	
91) Benzo(a)pyrene	23.02	252	3329220	106.323	ng/ul	100
92) Indeno(1,2,3-cd)pyrene	25.14	276	2316835	62.321	ng/ul	94
93) Dibenzo(a,h)anthracene	25.14	278	672439	21.144	ng/ul#	79
94) Benzo(a,h,i)perylene	25.77	276	1407179	45.142	ng/ul	98

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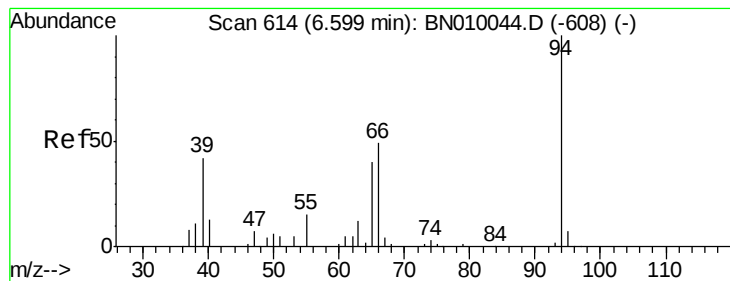
Manual Integrations
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3/4/2020 7:50:42 AM

Quant Time: Mar 03 01:33:21 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



#6

Phenol

Concen: 1.344 ng/ul

RT: 6.61 min Scan# 616

Delta R.T. 0.01 min

Lab File: BN010049.D

Acq: 02 Mar 2020 20:38

Instrument :

BNA_N

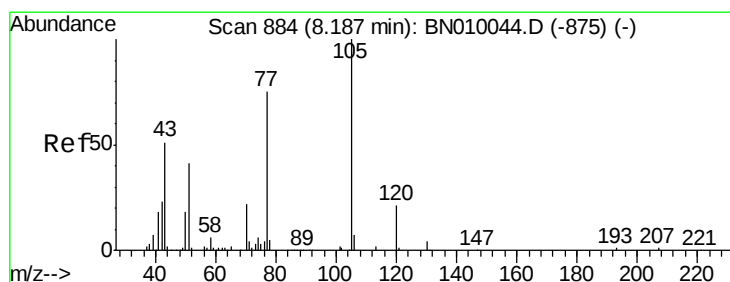
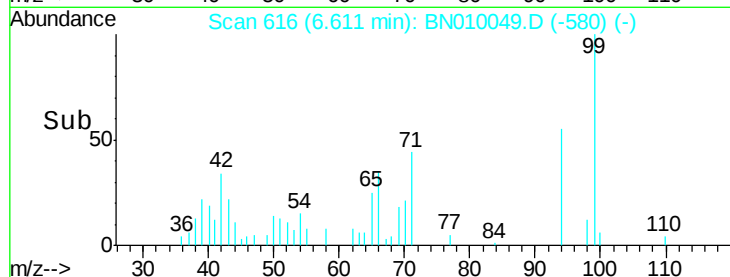
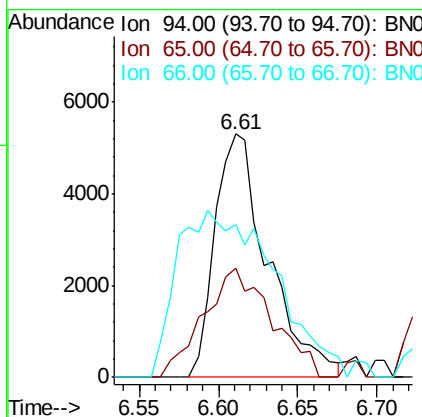
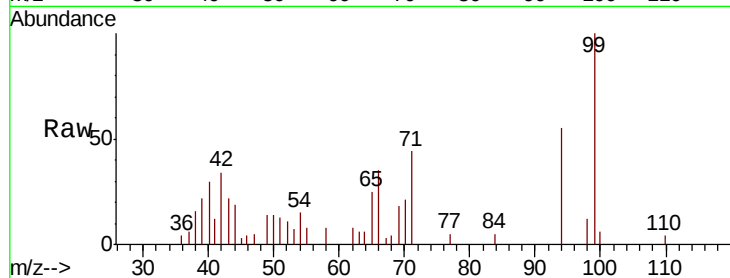
ClientSampled :

DBDT8

Tot Ion:	94	Resp:	12364
Ion Ratio	Lower	Upper	
94	100		
65	44.7	27.6	41.4#
66	62.6	38.5	57.7#

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#14

Acetophenone

Concen: 1.586 ng/ul

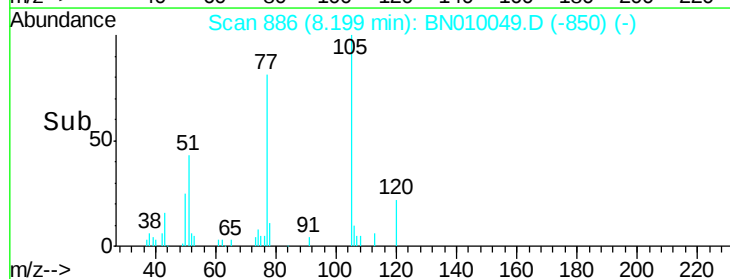
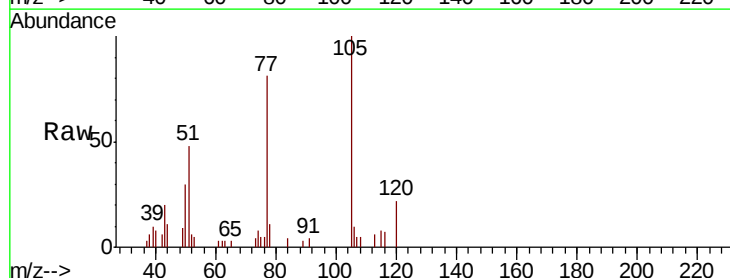
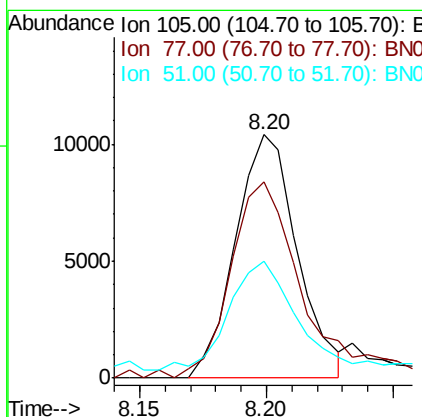
RT: 8.20 min Scan# 886

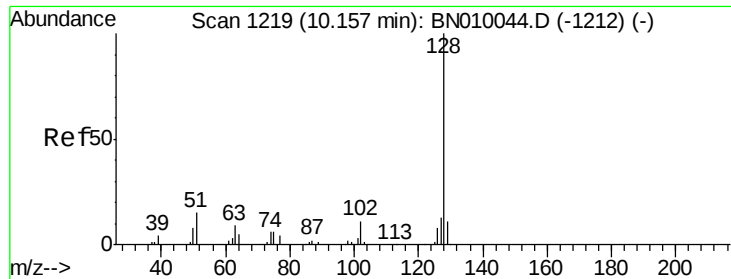
Delta R.T. 0.01 min

Lab File: BN010049.D

Acq: 02 Mar 2020 20:38

Tgt Ion:	105	Resp:	17649
Ion Ratio	Lower	Upper	
105	100		
77	80.7	68.9	103.3
51	47.9	35.6	53.4





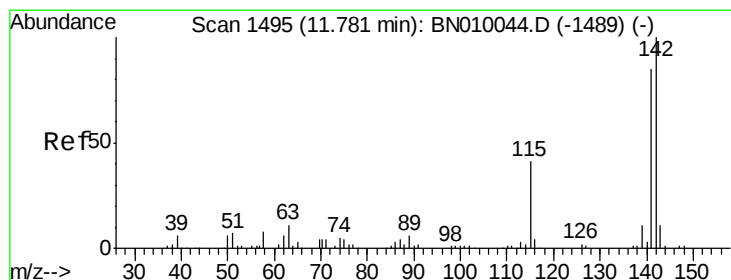
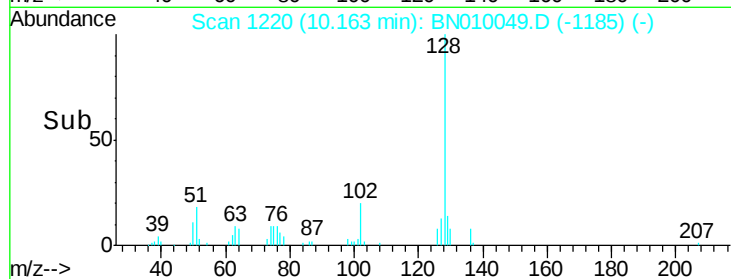
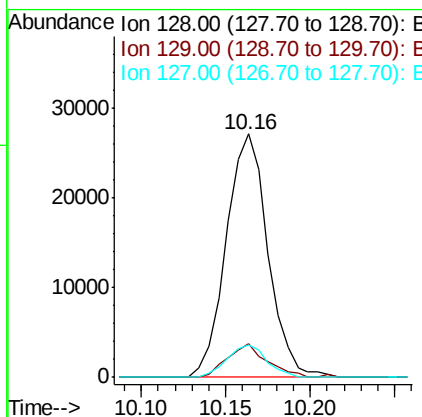
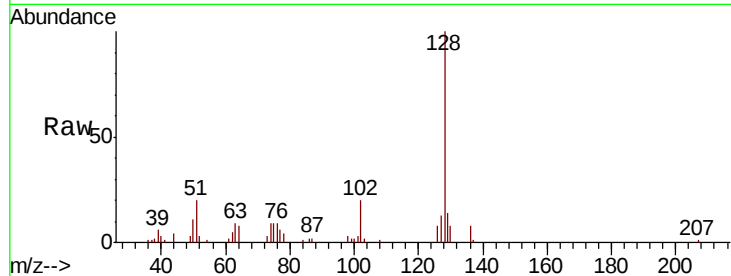
#28
Naphthalene
Concen: 1.916 ng/ul
RT: 10.16 min Scan# 1220
Delta R.T. 0.01 min
Lab File: BN010049.D
Acq: 02 Mar 2020 20:38

Instrument :
BNA_N
ClientSampleId :
DBDT8

Tot Ion	Ratio	Lower	Upper
128	100		
129	13.9	8.6	13.0#
127	13.5	10.3	15.5

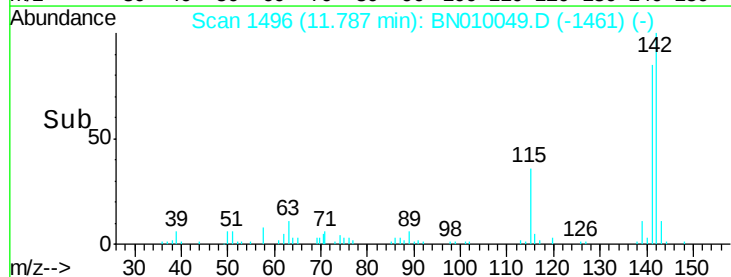
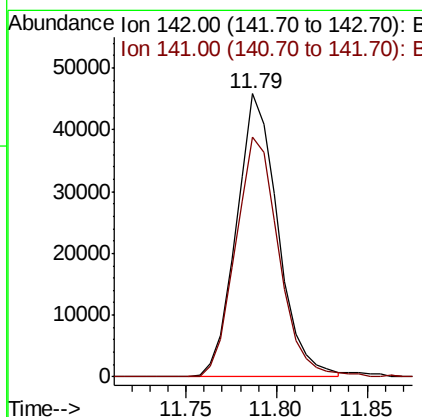
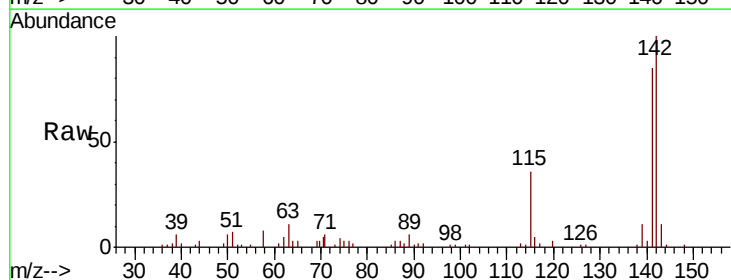
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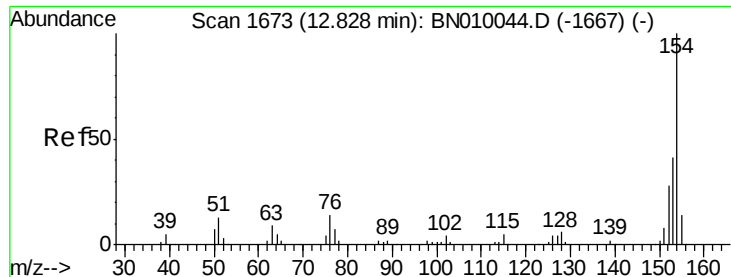
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#34
2-Methylnaphthalene
Concen: 4.326 ng/ul
RT: 11.79 min Scan# 1496
Delta R.T. 0.01 min
Lab File: BN010049.D
Acq: 02 Mar 2020 20:38

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.7	72.1	108.1





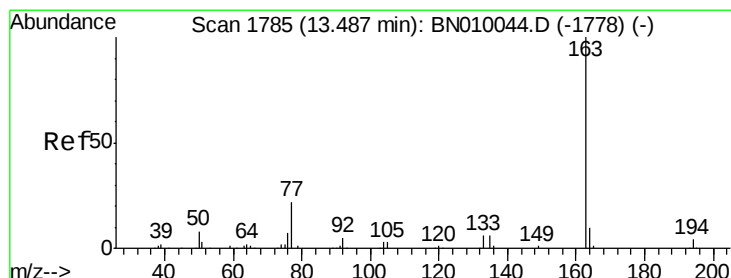
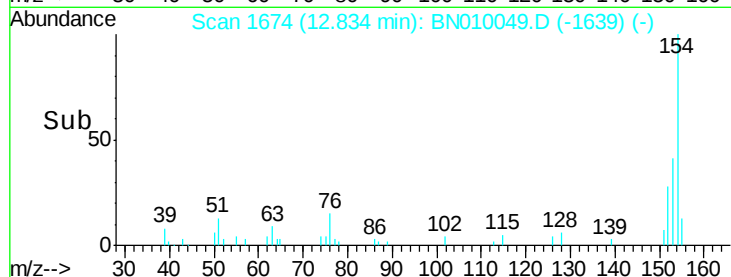
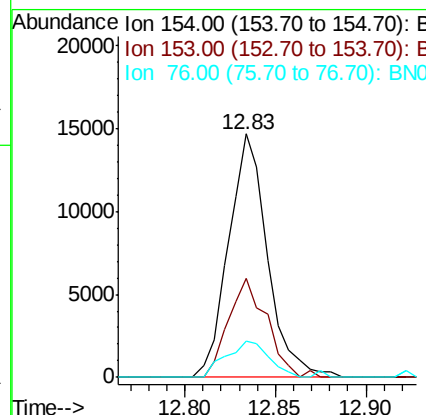
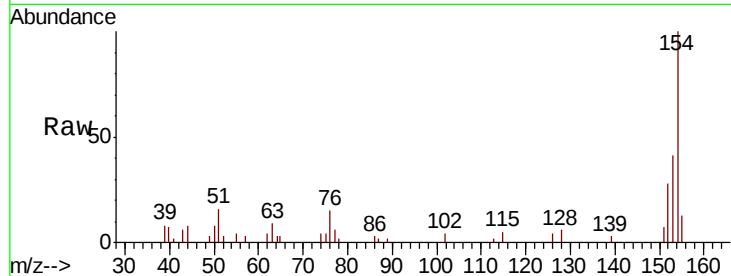
#41
1,1'-Biphenyl
Concen: 1.014 ng/ul
RT: 12.83 min Scan# 1674
Delta R.T. 0.01 min
Lab File: BN010049.D
Acq: 02 Mar 2020 20:38

Instrument :
BNA_N
ClientSampleId :
DBDT8

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.9	33.2	49.8
76	14.8	11.0	16.4

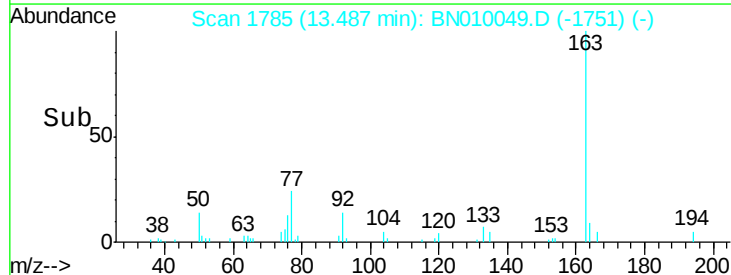
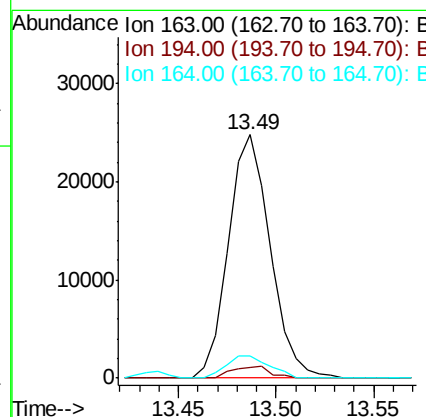
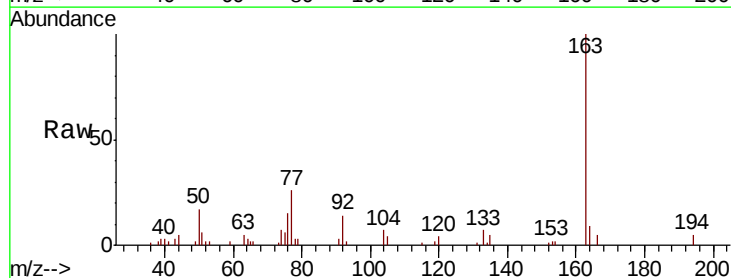
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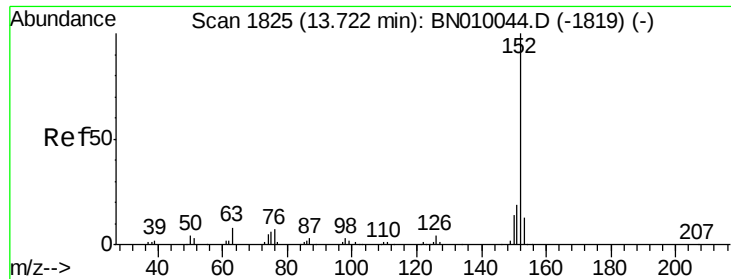
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#45
Dimethylphthalate
Concen: 1.679 ng/ul
RT: 13.49 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BN010049.D
Acq: 02 Mar 2020 20:38

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.0
164	9.3	8.0	12.0





#48

Acenaphthylene

Concen: 11.790 ng/ul

RT: 13.72 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BN010049.D

Acq: 02 Mar 2020 20:38

Instrument :

BNA_N

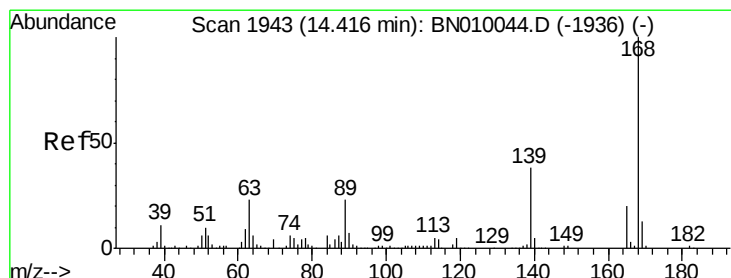
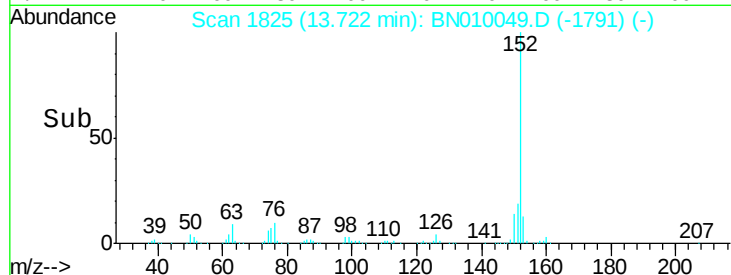
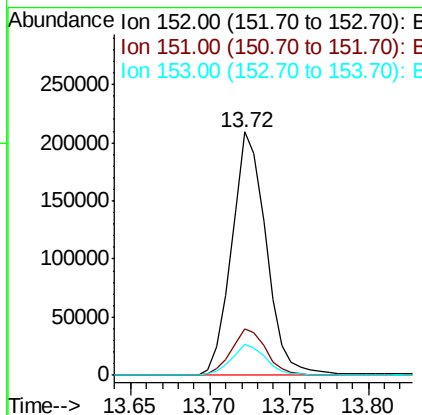
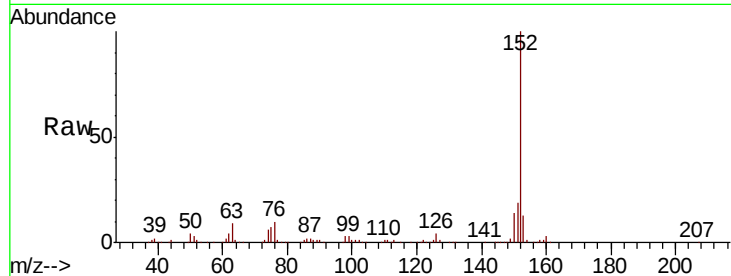
ClientSampled :

DBDT8

Tot Ion:	152	Resp:	315865
Ion Ratio	Lower	Upper	
152	100		
151	19.2	15.7	23.5
153	12.8	10.3	15.5

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#54

Dibenzofuran

Concen: 5.332 ng/ul

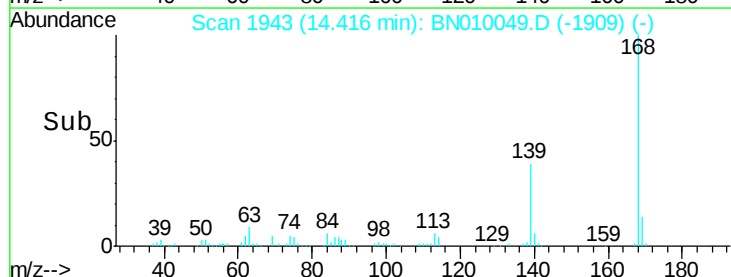
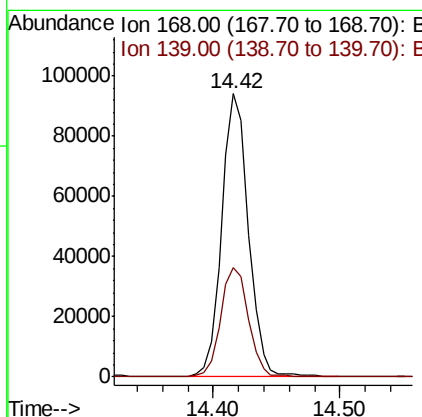
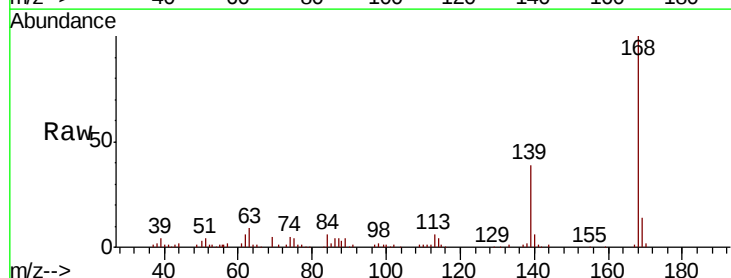
RT: 14.42 min Scan# 1943

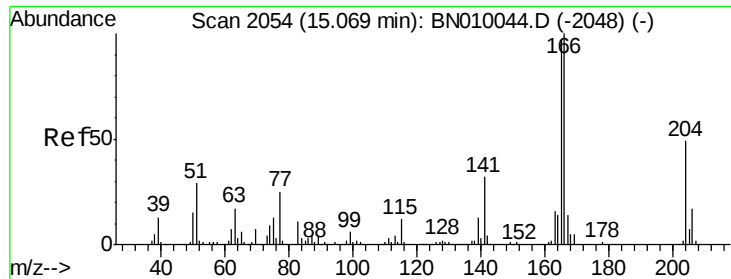
Delta R.T. 0.00 min

Lab File: BN010049.D

Acq: 02 Mar 2020 20:38

Tgt Ion:	168	Resp:	137445
Ion Ratio	Lower	Upper	
168	100		
139	38.8	32.7	49.1





#59

Fluorene

Concen: 12.799 ng/ul

RT: 15.07 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BN010049.D

Acq: 02 Mar 2020 20:38

Instrument :

BNA_N

ClientSampled :

DBDT8

Tot Ion:166 Resp: 276895

Ion Ratio Lower Upper

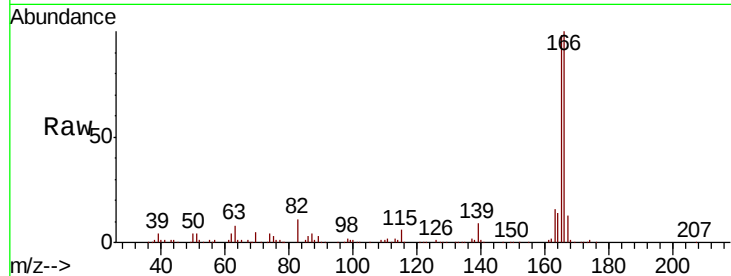
166 100

165 98.0 79.8 119.8

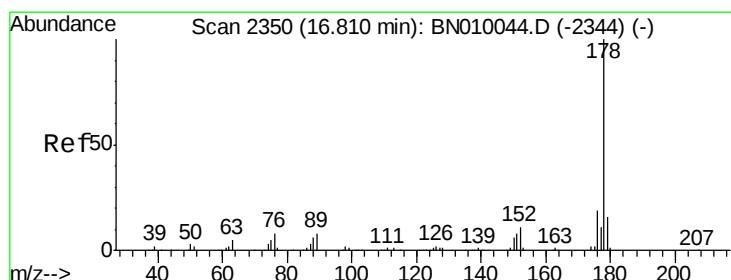
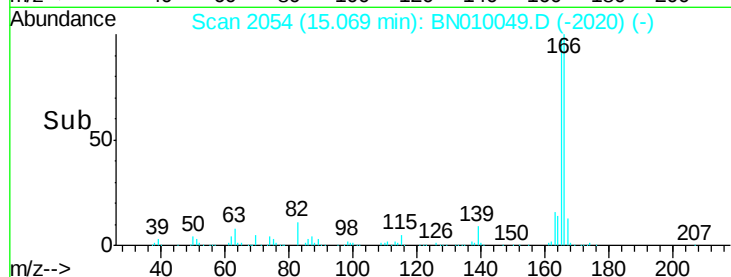
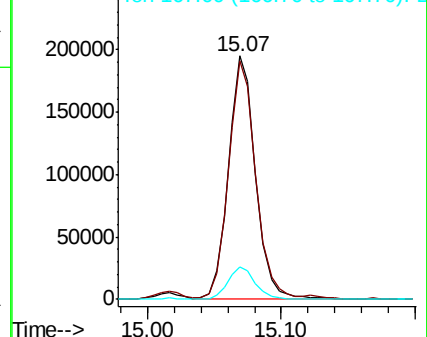
167 13.1 10.7 16.1

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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 21.846 ng/ul

RT: 16.81 min Scan# 2350

Delta R.T. 0.00 min

Lab File: BN010049.D

Acq: 02 Mar 2020 20:38

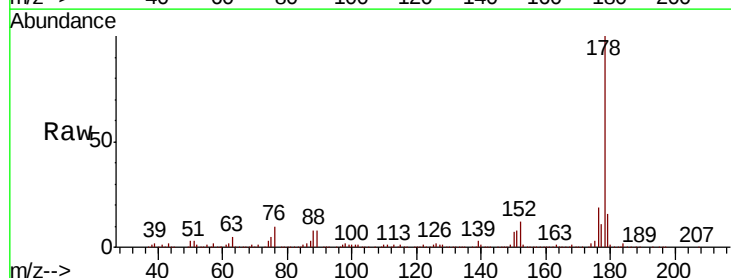
Tgt Ion:178 Resp: 722192

Ion Ratio Lower Upper

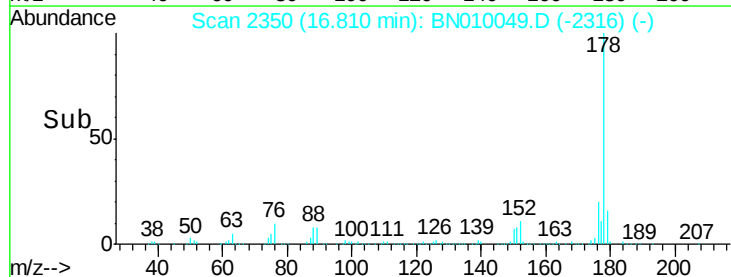
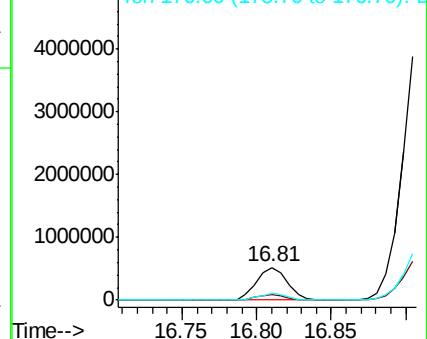
178 100

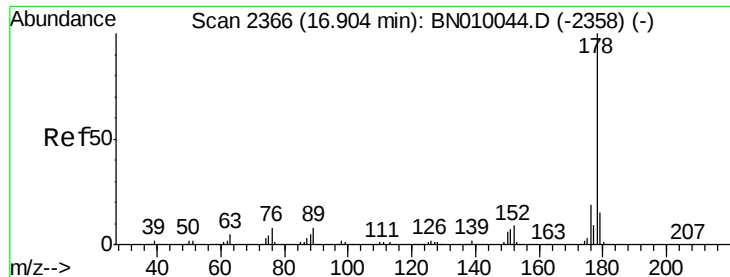
179 15.7 12.5 18.7

176 19.5 14.6 22.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 293.435 ng/ul

RT: 16.92 min Scan# 2368

Delta R.T. 0.01 min

Lab File: BN010049.D

Acq: 02 Mar 2020 20:38

Instrument :

BNA_N

ClientSampleId :

DBDT8

Tot Ion:178 Resp: 9916460

Ion Ratio Lower Upper

178 100

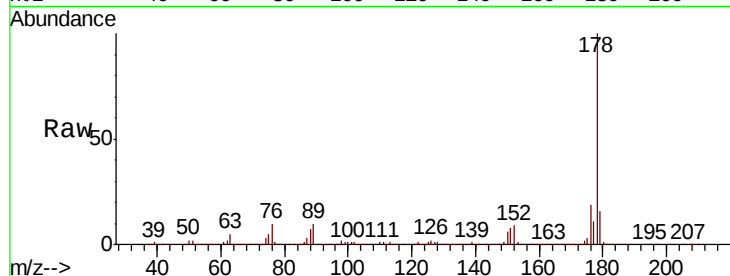
179 16.1 12.2 18.2

176 19.3 14.6 21.8

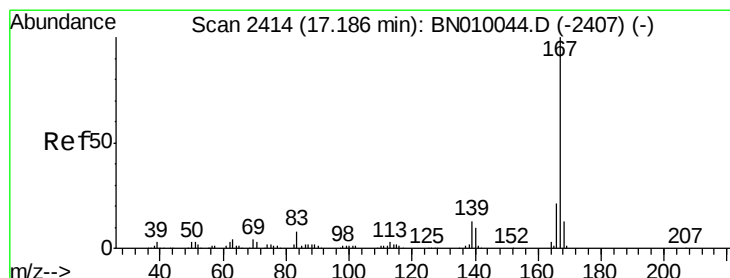
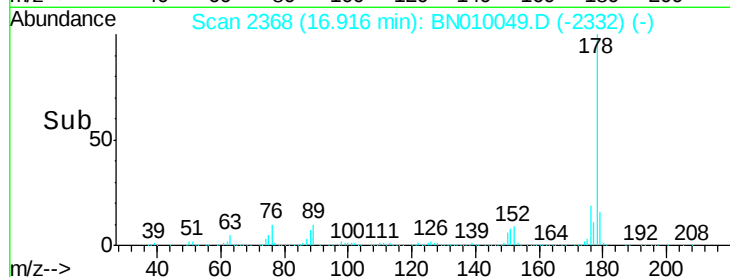
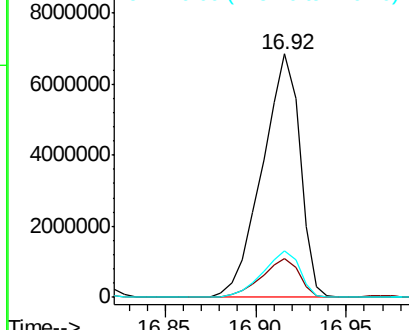
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 56.436 ng/ul

RT: 17.19 min Scan# 2414

Delta R.T. 0.00 min

Lab File: BN010049.D

Acq: 02 Mar 2020 20:38

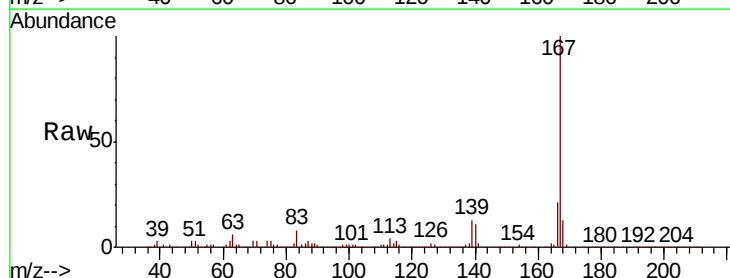
Tgt Ion:167 Resp: 1679543

Ion Ratio Lower Upper

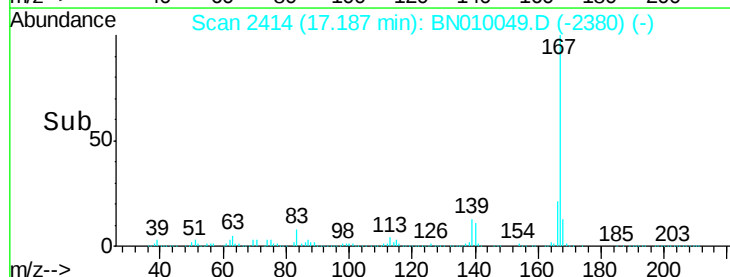
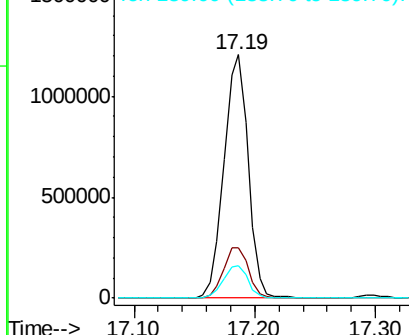
167 100

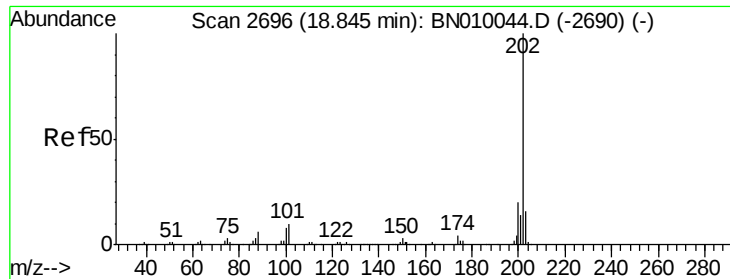
166 20.9 16.6 24.8

139 13.4 9.9 14.9



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





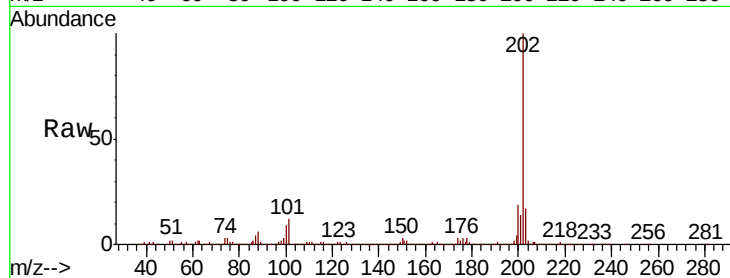
#77
Fluoranthene
Concen: 30.038 ng/ul
RT: 18.84 min Scan# 2695
Delta R.T. -0.01 min
Lab File: BN010049.D
Acq: 02 Mar 2020 20:38

Instrument :
BNA_N
ClientSampled :
DBDT8

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.4	14.2
100	8.7	7.2	10.8

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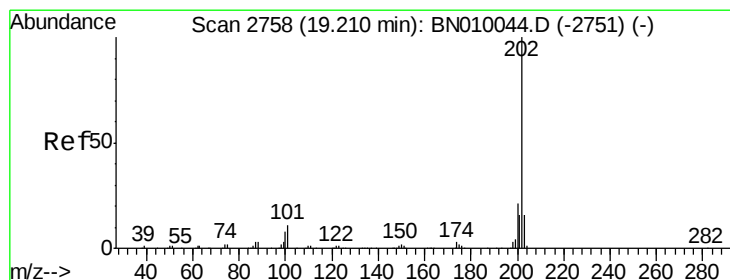
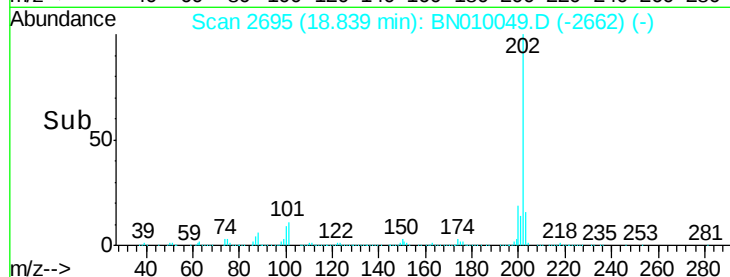
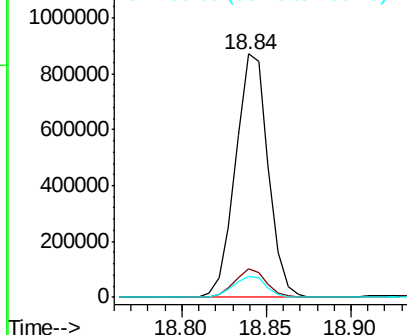


Abundance

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): B



#80
Pyrene
Concen: 43.445 ng/ul
RT: 19.21 min Scan# 2758
Delta R.T. 0.00 min
Lab File: BN010049.D
Acq: 02 Mar 2020 20:38

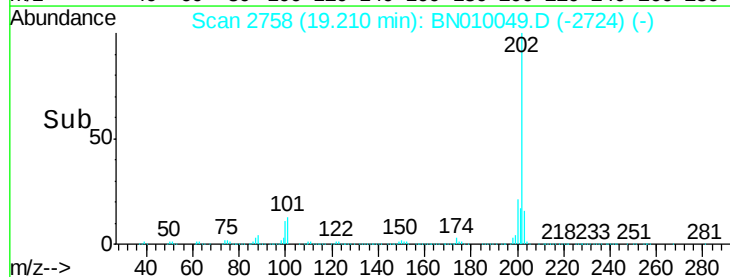
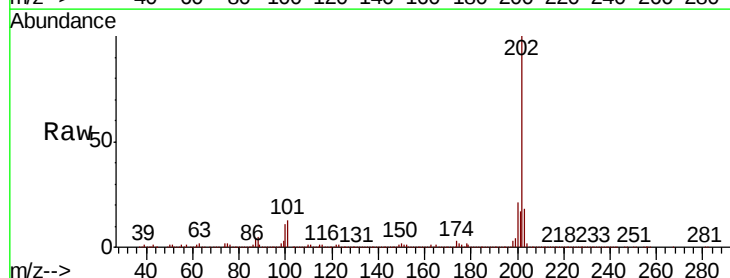
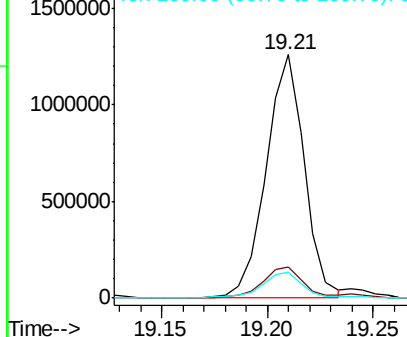
Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	11.3	16.9
100	10.5	9.0	13.6

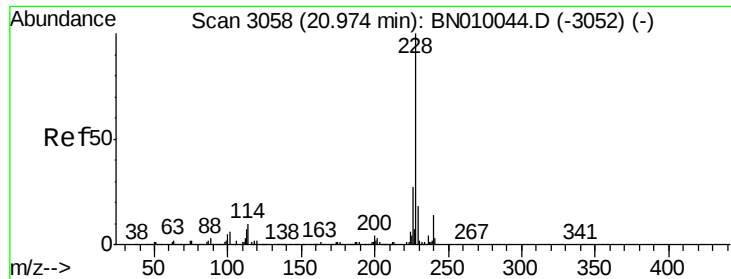
Abundance

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





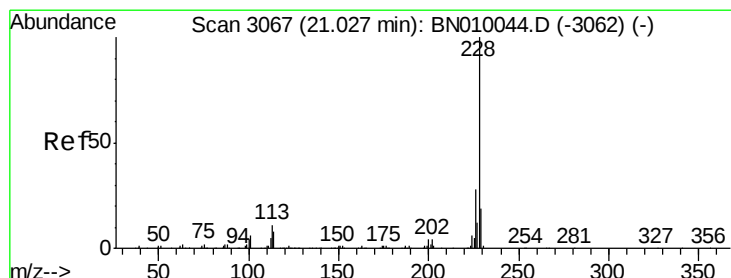
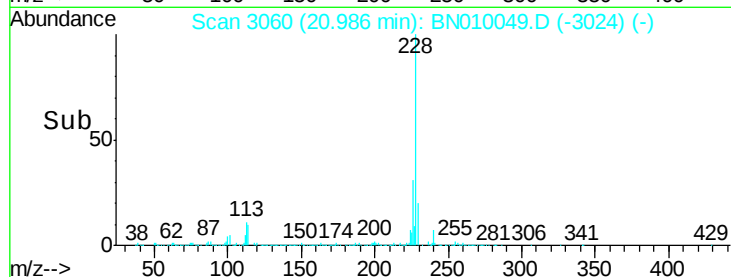
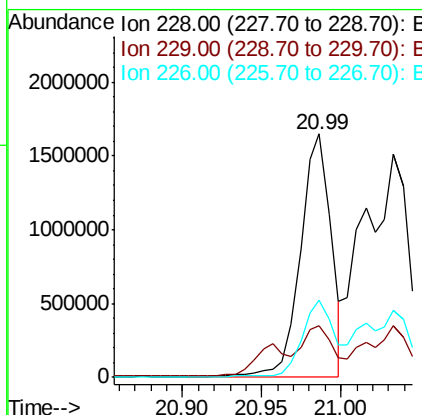
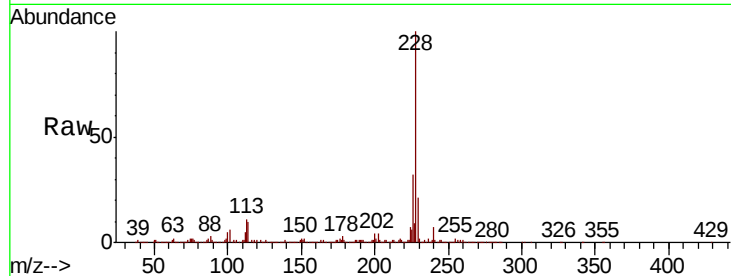
#83
Benzo(a)anthracene
Concen: 63.388 ng/u1
RT: 20.99 min Scan# 3060
Delta R.T. 0.01 min
Lab File: BN010049.D
Acq: 02 Mar 2020 20:38

Instrument :
BNA_N
ClientSampleId :
DBDT8

Tot Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.0	22.4
226	31.5	21.4	32.2

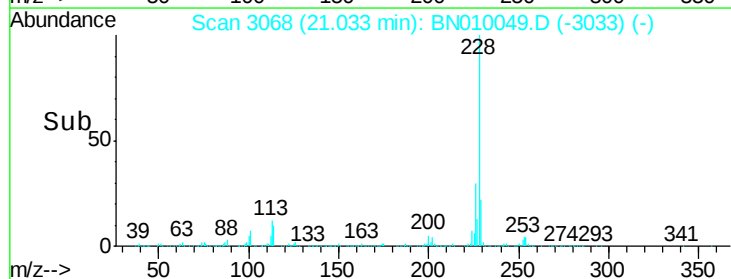
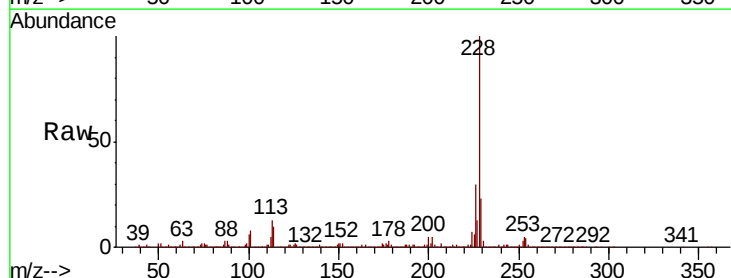
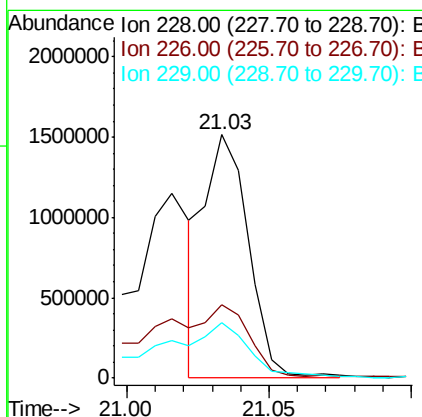
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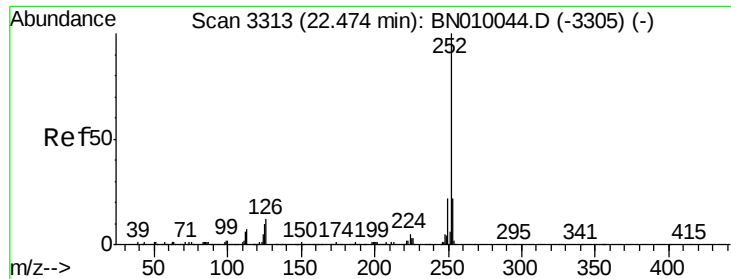
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#85
Chrysene
Concen: 48.371 ng/u1 m
RT: 21.03 min Scan# 3068
Delta R.T. 0.01 min
Lab File: BN010049.D
Acq: 02 Mar 2020 20:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.4	35.2
229	22.9	15.0	22.4#





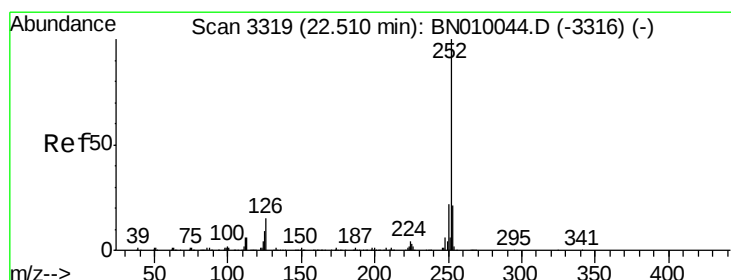
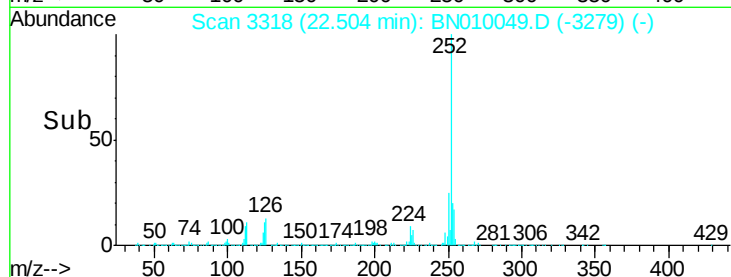
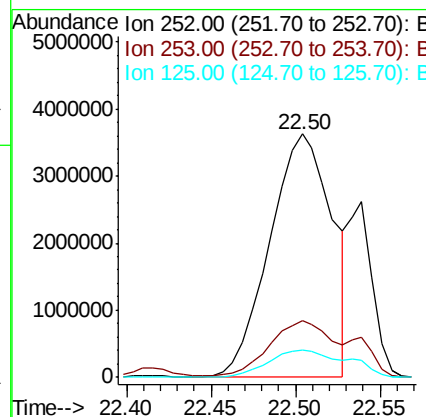
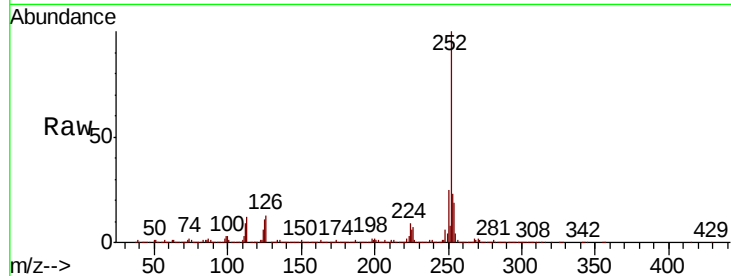
#88
Benzo(b)fluoranthene
Concen: 266.063 ng/ul
RT: 22.50 min Scan# 3318
Delta R.T. 0.03 min
Lab File: BN010049.D
Acq: 02 Mar 2020 20:38

Instrument :
BNA_N
ClientSampleId :
DBDT8

Tot Ion:252 Resp: 9262842
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.4
125 11.3 8.0 12.0

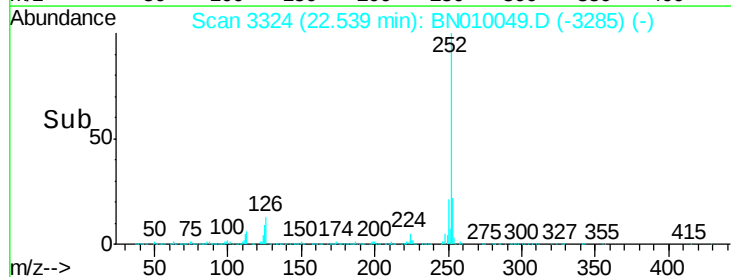
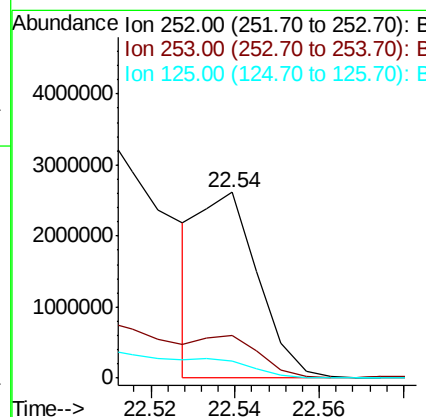
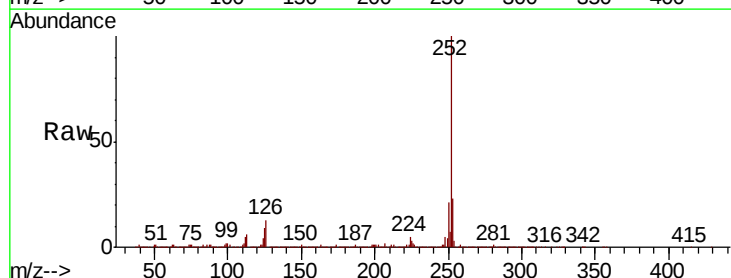
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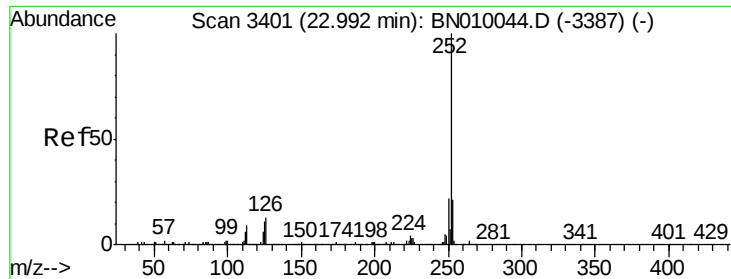
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#89
Benzo(k)fluoranthene
Concen: 76.321 ng/ul m
RT: 22.54 min Scan# 3324
Delta R.T. 0.03 min
Lab File: BN010049.D
Acq: 02 Mar 2020 20:38

Tgt Ion:252 Resp: 2515933
Ion Ratio Lower Upper
252 100
253 22.8 18.0 27.0
125 9.5 8.2 12.2





#91

Benzo(a)pyrene

Concen: 106.323 ng/ul

RT: 23.02 min Scan# 3405

Delta R.T. 0.02 min

Lab File: BN010049.D

Acq: 02 Mar 2020 20:38

Instrument :

BNA_N

ClientSampled :

DBDT8

Tot Ion:252 Resp: 3329220

Ion Ratio Lower Upper

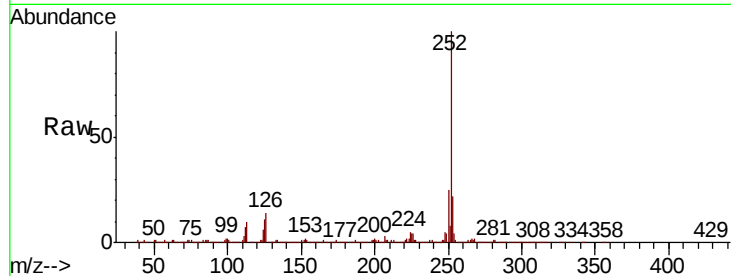
252 100

253 22.0 17.4 26.0

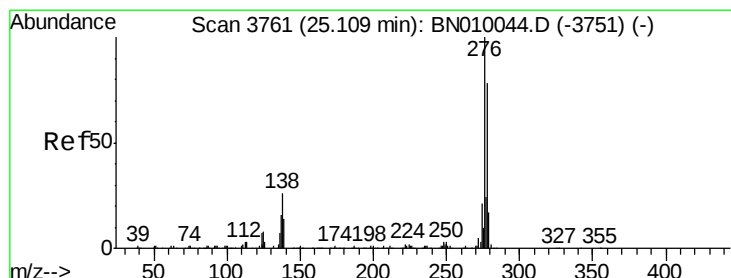
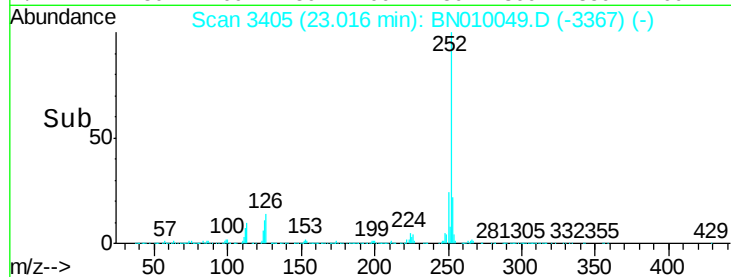
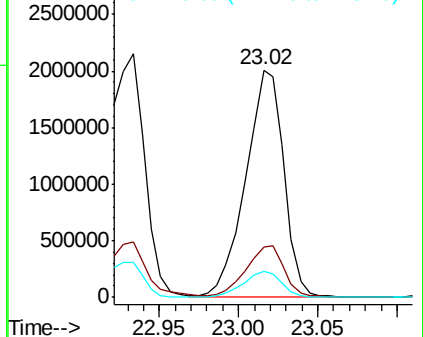
125 11.2 9.0 13.6

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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



#92

Indeno(1,2,3-cd)pyrene

Concen: 62.321 ng/ul

RT: 25.14 min Scan# 3767

Delta R.T. 0.04 min

Lab File: BN010049.D

Acq: 02 Mar 2020 20:38

Tgt Ion:276 Resp: 2316835

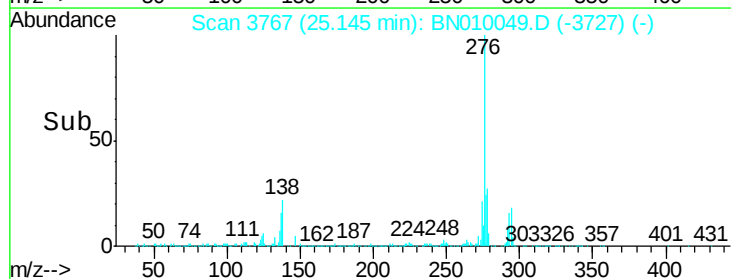
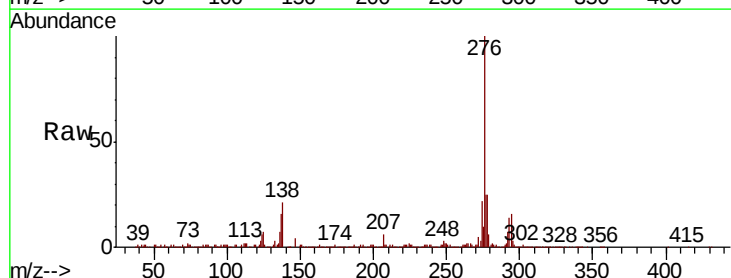
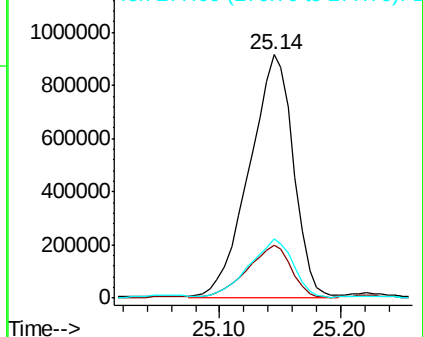
Ion Ratio Lower Upper

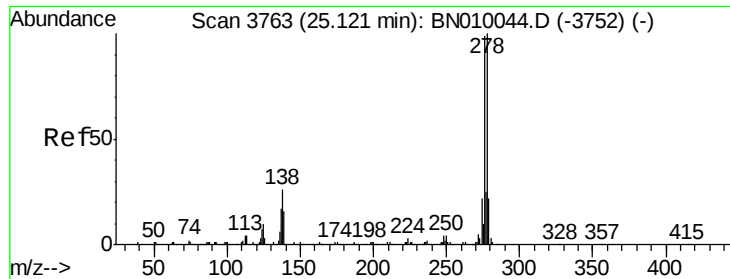
276 100

138 21.5 20.9 31.3

277 24.5 18.2 27.4

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





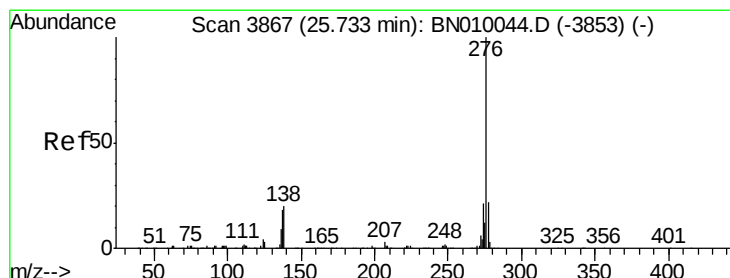
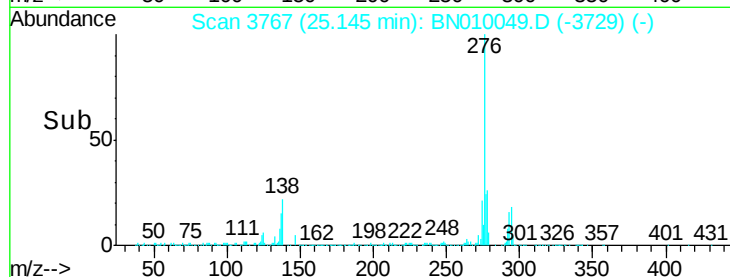
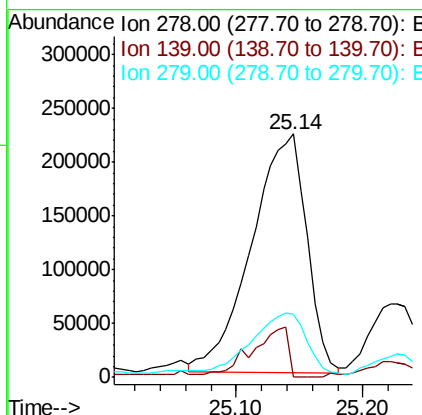
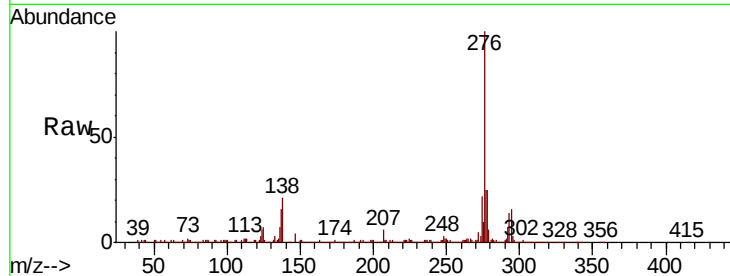
#93
Dibenzo(a,h)anthracene
Concen: 21.144 ng/ul
RT: 25.14 min Scan# 3767
Delta R.T. 0.02 min
Lab File: BN010049.D
Acq: 02 Mar 2020 20:38

Instrument :
BNA_N
ClientSampleId :
DBDT8

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.0	19.4#
279	26.0	17.5	26.3

Manual Integrations
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#94
Benzo(g,h,i)perylene
Concen: 45.142 ng/ul
RT: 25.77 min Scan# 3873
Delta R.T. 0.04 min
Lab File: BN010049.D
Acq: 02 Mar 2020 20:38

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.8	17.5	26.3
277	22.0	18.1	27.1

