

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
 Data File : BN005578.D
 Acq On : 09 May 2019 22:18
 Operator : JU/SJ
 Sample : K2604-04 20X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ78

Manual Integrations
 APPROVED

Sohil
 5/10/2019 1:19:41 PM

Quant Time: May 10 02:38:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 07 05:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	172041	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	720828	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	413542	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	794117	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	546612	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	635778	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	852	0.24	ng/uL	0.00
5) Phenol-d5	6.78	99	20976	1.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	14001	1.66	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	18429	1.78	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	17448	1.65	ng/ul	0.01
19) Nitrobenzene-d5	8.74	128	11211	2.53	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	9070	2.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	20067	1.95	ng/ul	0.02
29) 4-Chloroaniline-d4	0.00	131	0d	0.00	ng/ul	
43) Dimethylphthalate-d6	13.65	166	63140	2.10	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	78166	2.12	ng/ul	0.01
51) 4-Nitrophenol-d4	14.45	143	13849	2.92	ng/ul	0.00
57) Fluorene-d10	15.23	176	59339	2.36	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.40	200	3569m	1.00	ng/ul	0.04
70) Anthracene-d10	17.09	188	75091	2.26	ng/ul	0.00
78) Pyrene-d10	19.40	212	70080	2.51	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	62438	2.25	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.40	128	2319798	69.227	ng/ul	100
34) 2-Methylnaphthalene	12.03	142	7779296	317.050	ng/ul	99
40) 1,1'-Biphenyl	13.05	154	153252	4.974	ng/ul	98
47) Acenaphthylene	13.95	152	5254982	145.027	ng/ul#	96
49) Acenaphthene	14.29	153	737947	29.832	ng/ul	99
53) Dibenzofuran	14.63	168	1442554	40.504	ng/ul	99
58) Fluorene	15.29	166	3843266	138.290	ng/ul	98
69) Phenanthrene	17.05	178	14800264	382.685	ng/ul	95
71) Anthracene	17.12	178	3661703	92.942	ng/ul	99
74) Carbazole	17.39	167	49088	1.450	ng/ul#	62
76) Fluoranthene	19.07	202	7173847	167.232	ng/ul	96
79) Pyrene	19.44	202	9397991	267.029	ng/ul	95
82) Benzo(a)anthracene	21.20	228	3417459m	100.499	ng/ul	
84) Chrysene	21.26	228	3144557	99.638	ng/ul	98
87) Benzo(b)fluoranthene	22.77	252	3179508	88.965	ng/ul#	98
88) Benzo(k)fluoranthene	22.81	252	850549m	24.919	ng/ul	
90) Benzo(a)pyrene	23.33	252	2923292m	87.022	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.63	276	1486262	40.017	ng/ul#	92
92) Dibenzo(a,h)anthracene	25.62	278	498832	15.826	ng/ul	96
93) Benzo(g,h,i)perylene	26.29	276	1369859	44.606	ng/ul#	94

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

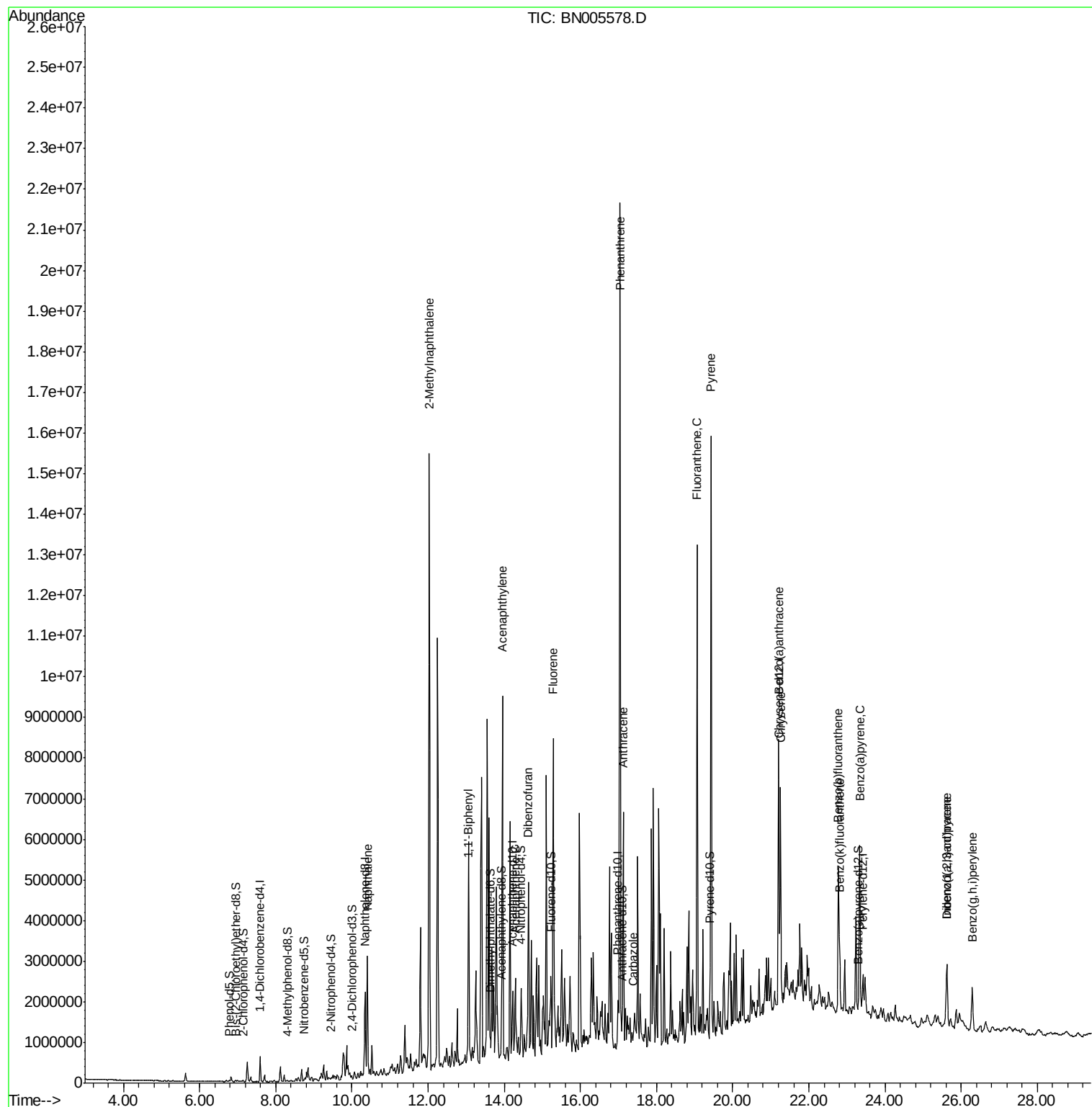
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050919\
Data File : BN005578.D
Acq On : 09 May 2019 22:18
Operator : JU/SJ
Sample : K2604-04 20X
Misc :
ALS Vial : 21 Sample Multiplier: 1

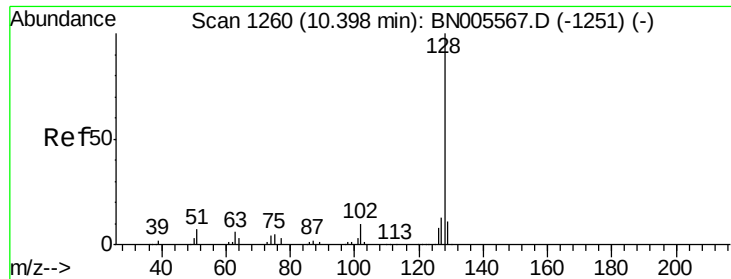
Instrument :
BNA_N
ClientSampleId :
GAJ78

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Quant Time: May 10 02:38:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 07 05:36:07 2019
Response via : Initial Calibration





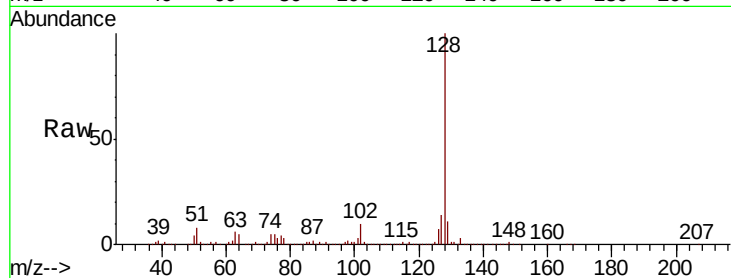
#28
Naphthalene
Concen: 69.227 ng/ul
RT: 10.40 min Scan# 1261
Delta R.T. 0.01 min
Lab File: BN005578.D
Acq: 09 May 2019 22:18

Instrument :
BNA_N
ClientSampleId :
GAJ78

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.2	13.8
127	13.5	10.7	16.1

Manual Integrations
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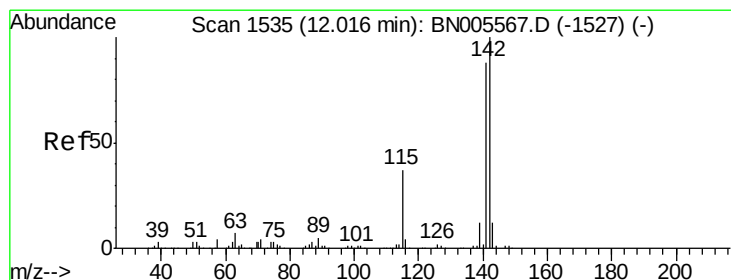
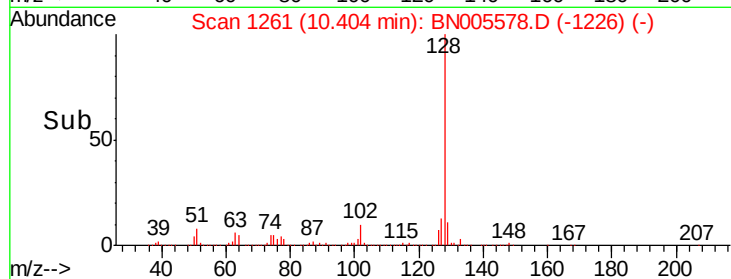
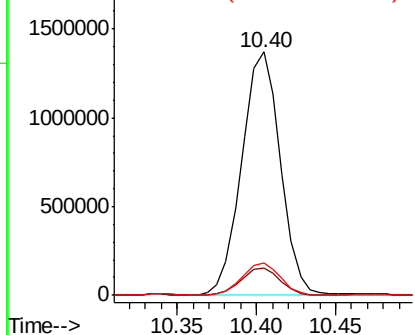


Abundance

Ion 128.00 (127.70 to 128.70): E

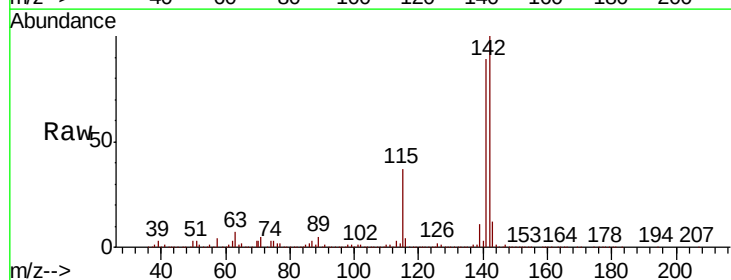
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34
2-Methylnaphthalene
Concen: 317.050 ng/ul
RT: 12.03 min Scan# 1538
Delta R.T. 0.02 min
Lab File: BN005578.D
Acq: 09 May 2019 22:18

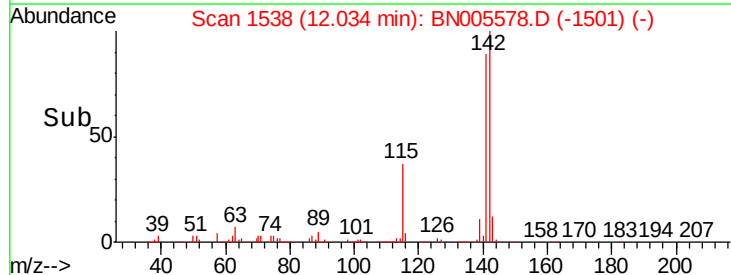
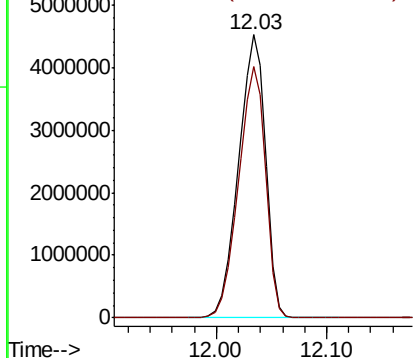
Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.0	72.0	108.0

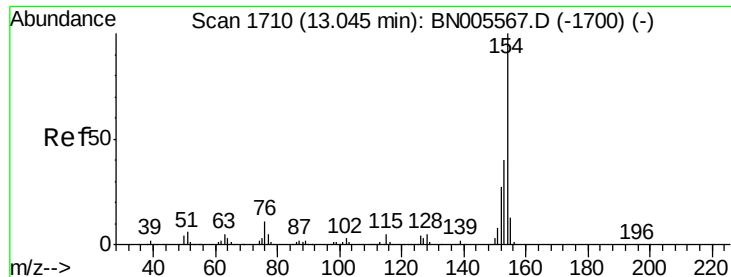


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#40

1,1'-Biphenyl

Concen: 4.974 ng/ul

RT: 13.05 min Scan# 1711

Delta R.T. -0.00 min

Lab File: BN005578.D

Acq: 09 May 2019 22:18

Instrument :

BNA_N

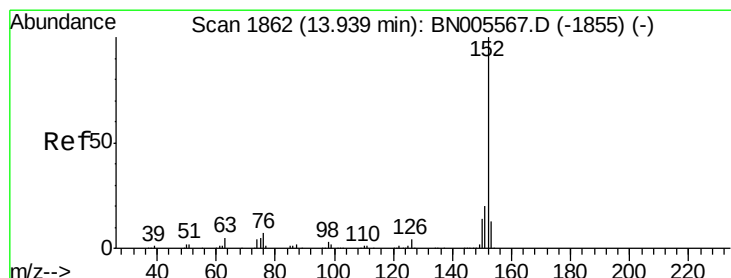
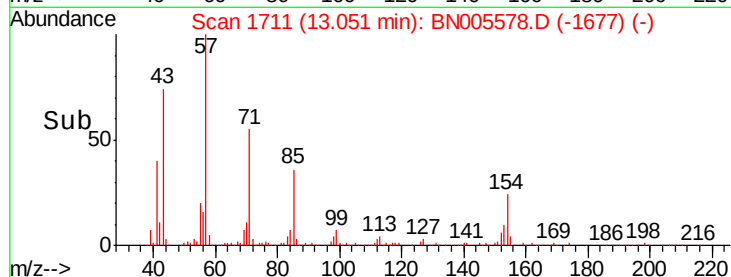
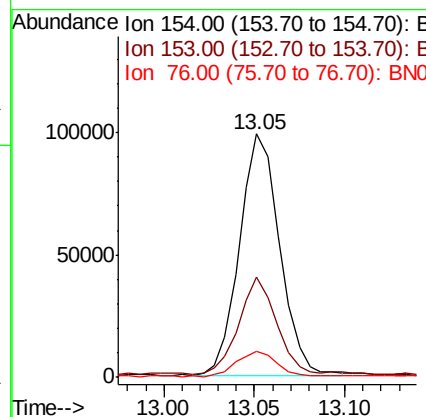
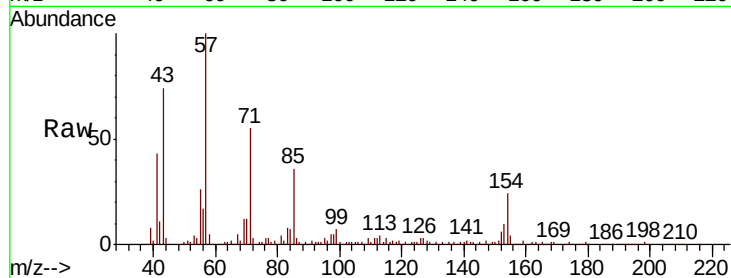
ClientSampled :

GAJ78

Tot Ion:	154	Resp:	153252
Ion Ratio	Lower	Upper	
154	100		
153	41.4	32.6	49.0
76	10.6	10.4	15.6

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#47

Acenaphthylene

Concen: 145.027 ng/ul

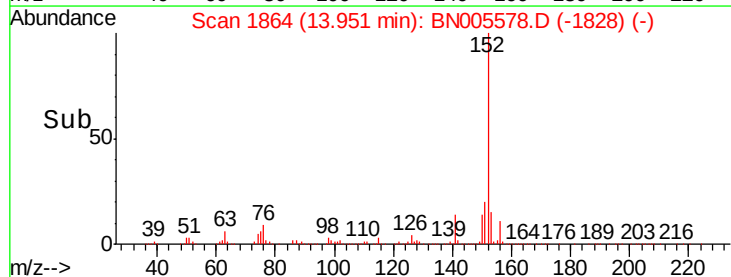
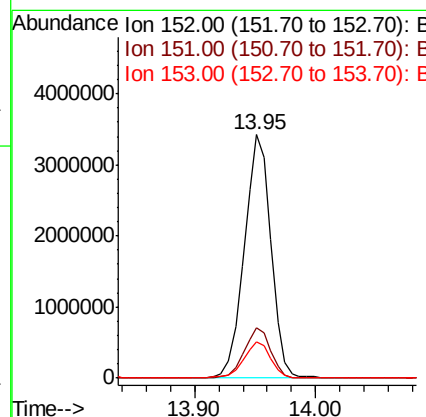
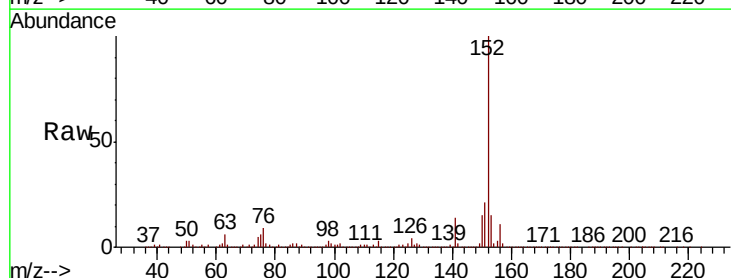
RT: 13.95 min Scan# 1864

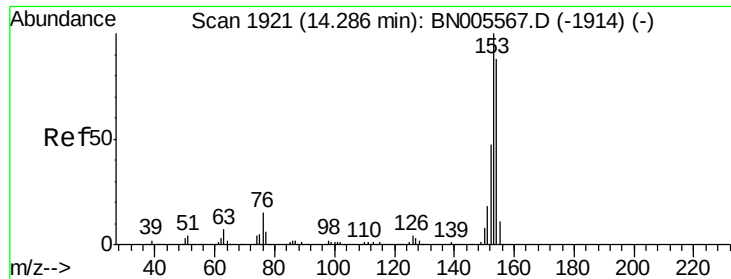
Delta R.T. 0.01 min

Lab File: BN005578.D

Acq: 09 May 2019 22:18

Tgt Ion:	152	Resp:	5254982
Ion Ratio	Lower	Upper	
152	100		
151	20.6	15.8	23.8
153	15.0	9.8	14.8#





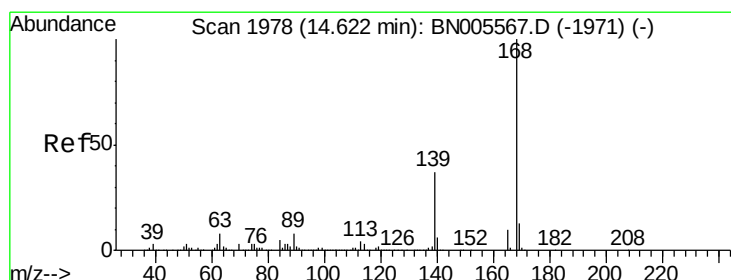
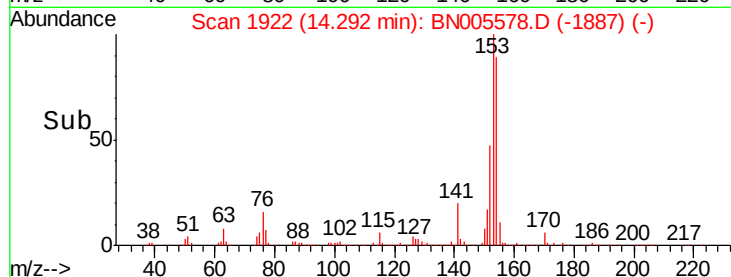
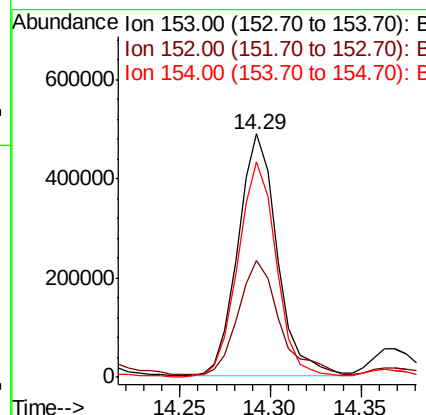
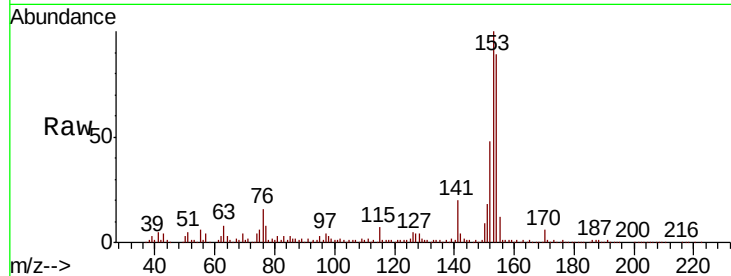
#49
Acenaphthene
Concen: 29.832 ng/ul
RT: 14.29 min Scan# 1922
Delta R.T. 0.01 min
Lab File: BN005578.D
Acq: 09 May 2019 22:18

Instrument :
BNA_N
ClientSampleId :
GAJ78

Tot Ion	Ratio	Lower	Upper
153	100		
152	48.0	37.4	56.0
154	88.7	71.2	106.8

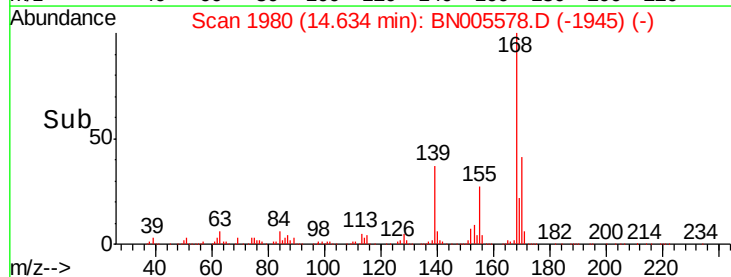
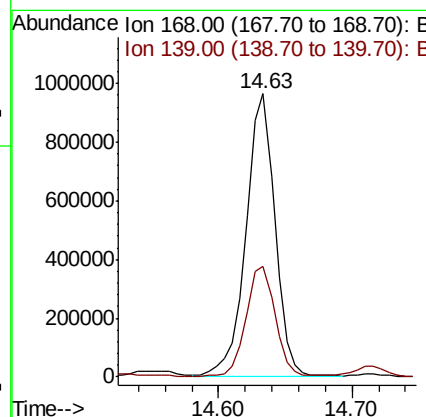
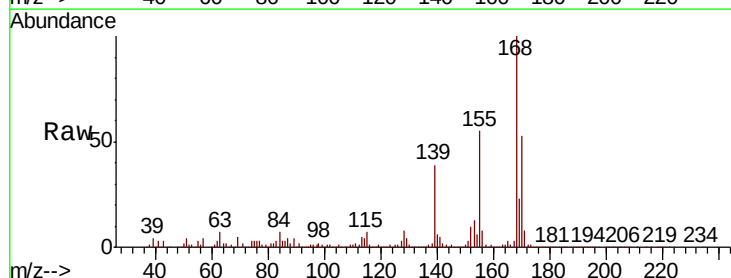
Manual Integrations
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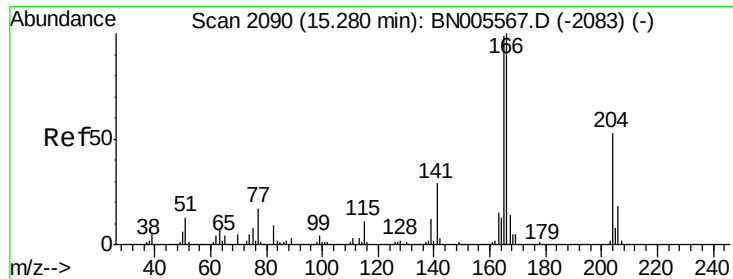
Sohil
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#53
Dibenzofuran
Concen: 40.504 ng/ul
RT: 14.63 min Scan# 1980
Delta R.T. 0.01 min
Lab File: BN005578.D
Acq: 09 May 2019 22:18

Tgt Ion	Ratio	Lower	Upper
168	100		
139	39.0	30.9	46.3





#58

Fluorene

Concen: 138.290 ng/ul

RT: 15.29 min Scan# 2092

Delta R.T. 0.01 min

Lab File: BN005578.D

Acq: 09 May 2019 22:18

Instrument :

BNA_N

ClientSampleId :

GAJ78

Tot Ion:166 Resp: 3843266

Ion Ratio Lower Upper

166 100

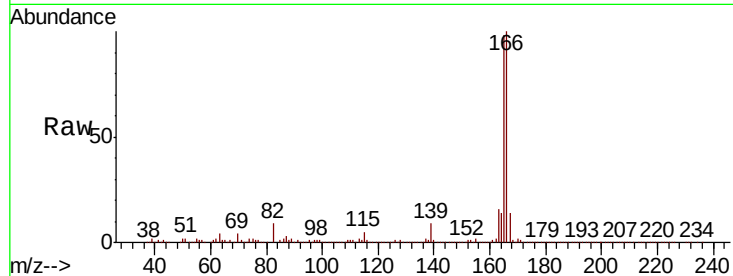
165 97.8 80.0 120.0

167 14.1 10.7 16.1

Manual Integrations
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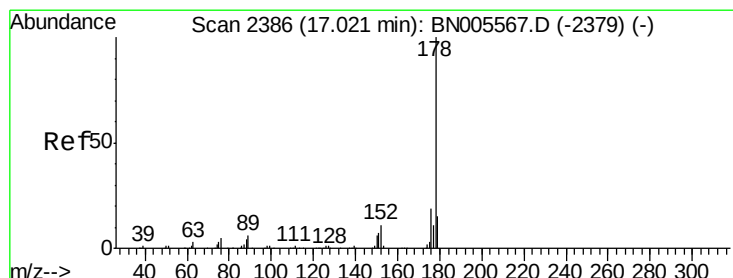
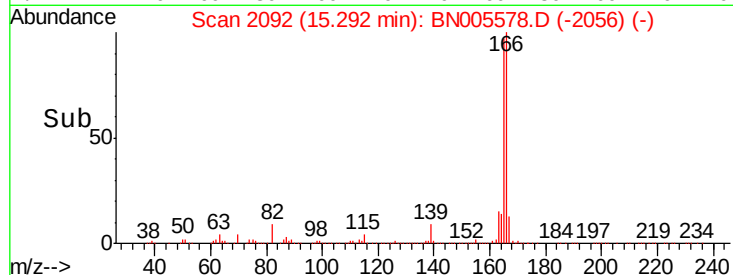
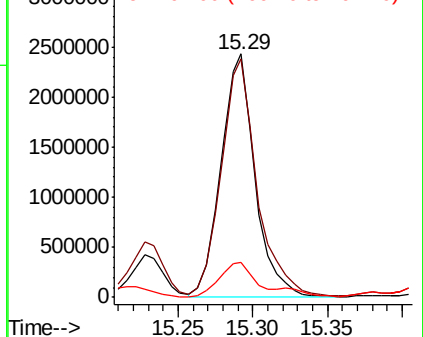


Abundance

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



#69

Phenanthrene

Concen: 382.685 ng/ul

RT: 17.05 min Scan# 2390

Delta R.T. 0.02 min

Lab File: BN005578.D

Acq: 09 May 2019 22:18

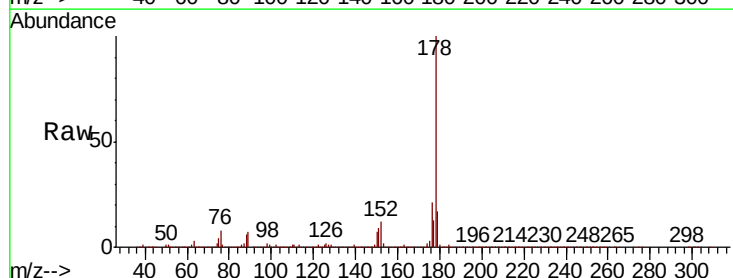
Tgt Ion:178 Resp:14800264

Ion Ratio Lower Upper

178 100

179 17.4 12.2 18.4

176 21.4 15.1 22.7

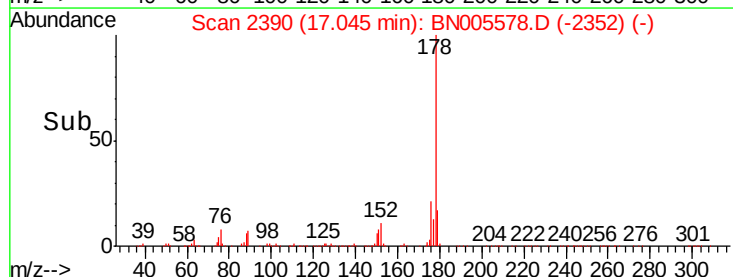
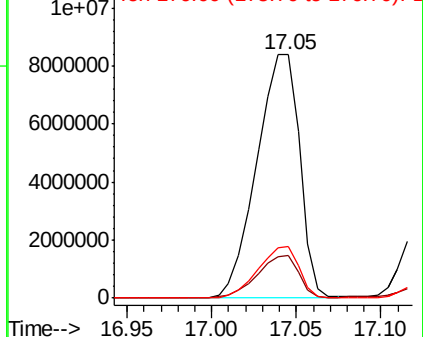


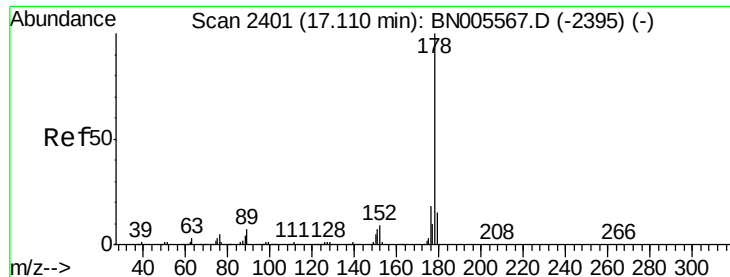
Abundance

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





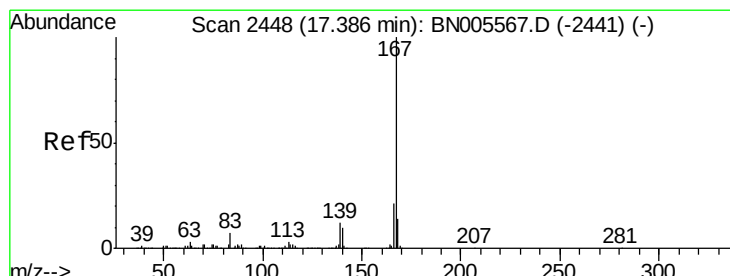
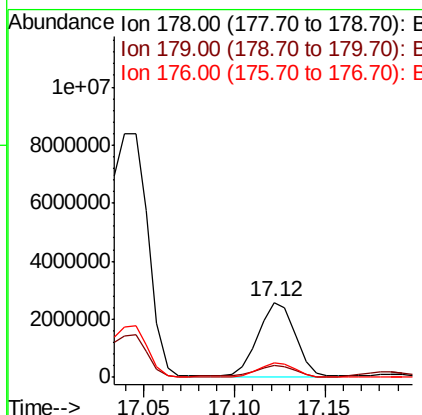
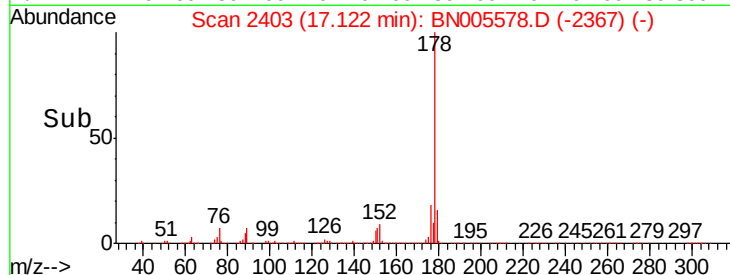
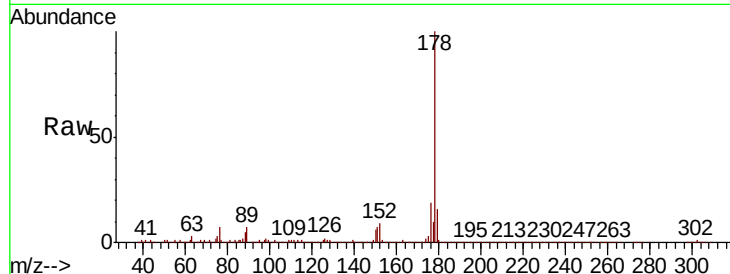
#71
 Anthracene
 Concen: 92.942 ng/ul
 RT: 17.12 min Scan# 2403
 Delta R.T. 0.01 min
 Lab File: BN005578.D
 Acq: 09 May 2019 22:18

Instrument :
 BNA_N
 ClientSampled :
 GAJ78

Tot Ion:178 Resp: 3661703
 Ion Ratio Lower Upper
 178 100
 179 16.1 12.3 18.5
 176 18.5 15.1 22.7

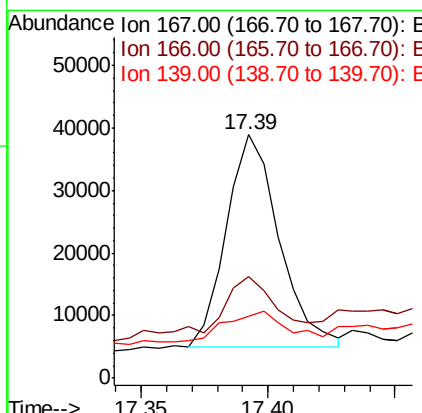
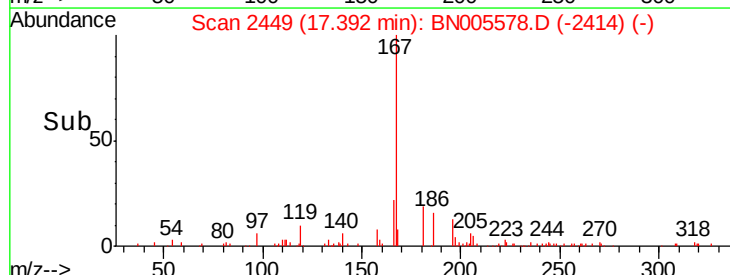
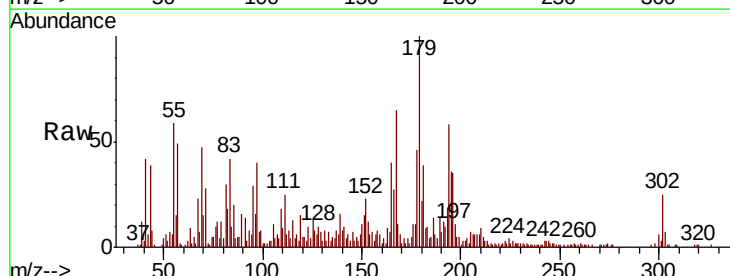
Manual Integrations
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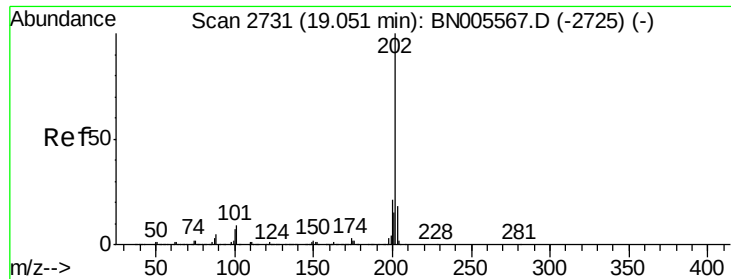
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#74
 Carbazole
 Concen: 1.450 ng/ul
 RT: 17.39 min Scan# 2449
 Delta R.T. 0.01 min
 Lab File: BN005578.D
 Acq: 09 May 2019 22:18

Tgt Ion:167 Resp: 49088
 Ion Ratio Lower Upper
 167 100
 166 41.6 17.2 25.8#
 139 25.2 10.6 16.0#





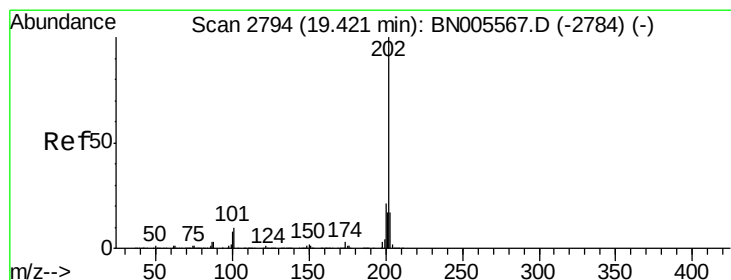
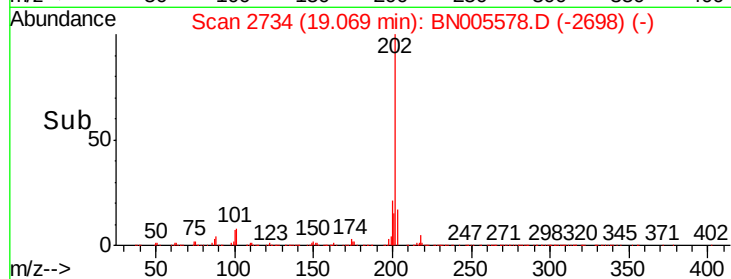
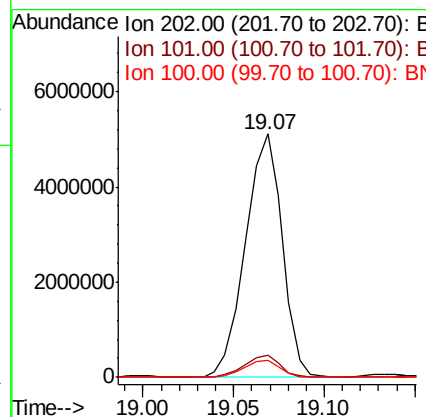
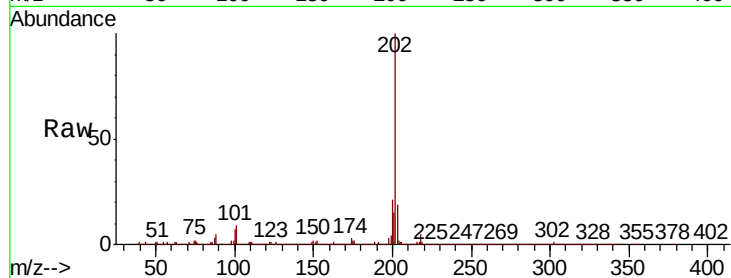
#76
Fluoranthene
Concen: 167.232 ng/ul
RT: 19.07 min Scan# 2734
Delta R.T. 0.01 min
Lab File: BN005578.D
Acq: 09 May 2019 22:18

Instrument :
BNA_N
ClientSampleId :
GAJ78

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.0	8.6	12.8
100	6.9	6.3	9.5

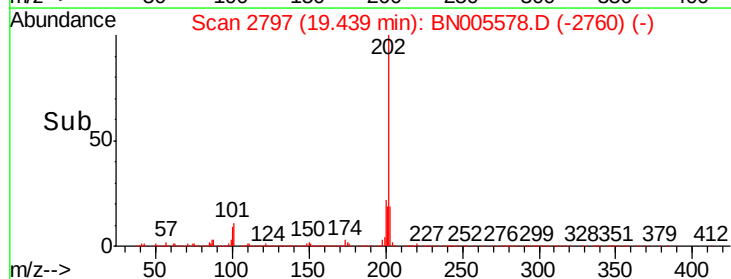
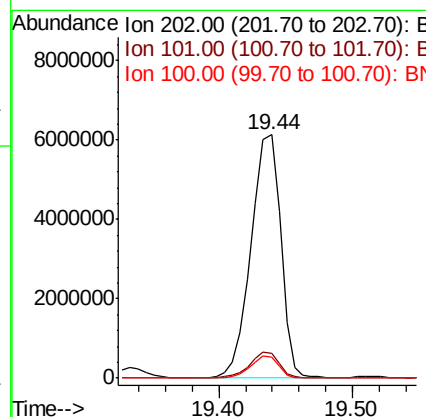
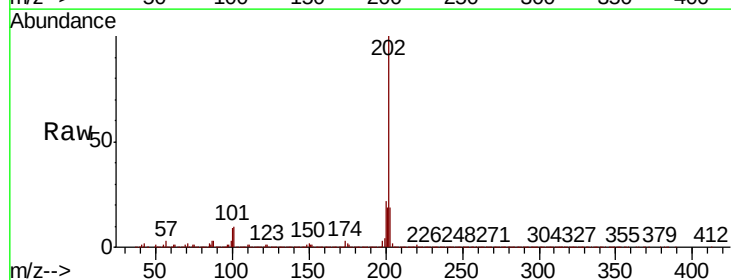
Manual Integrations
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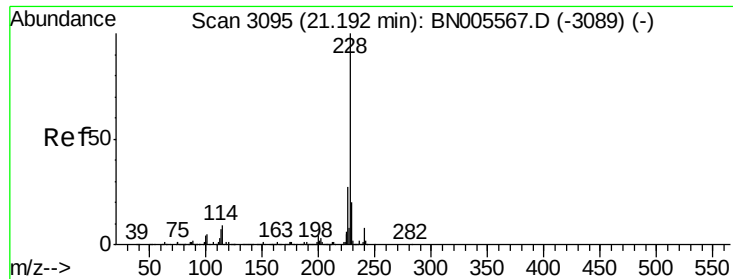
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#79
Pyrene
Concen: 267.029 ng/ul
RT: 19.44 min Scan# 2797
Delta R.T. 0.02 min
Lab File: BN005578.D
Acq: 09 May 2019 22:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	10.3	15.5
100	8.6	7.9	11.9





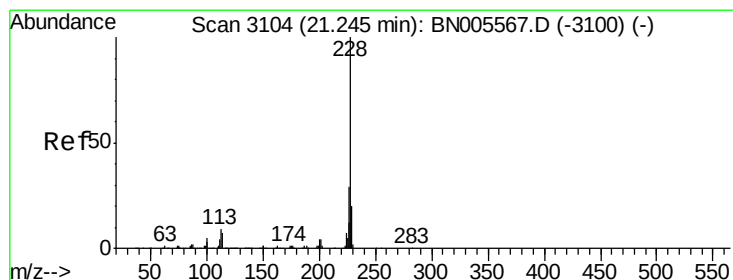
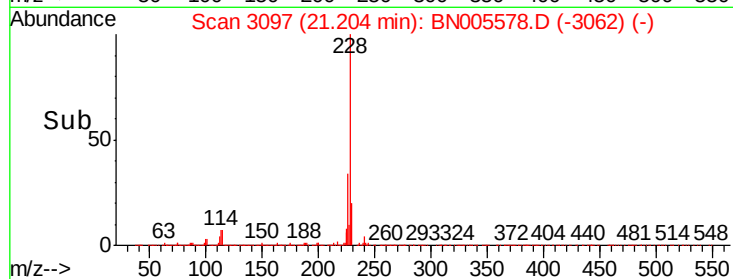
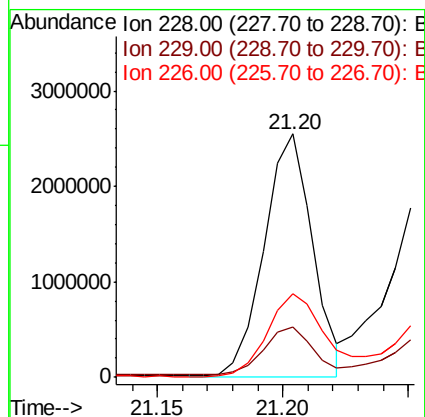
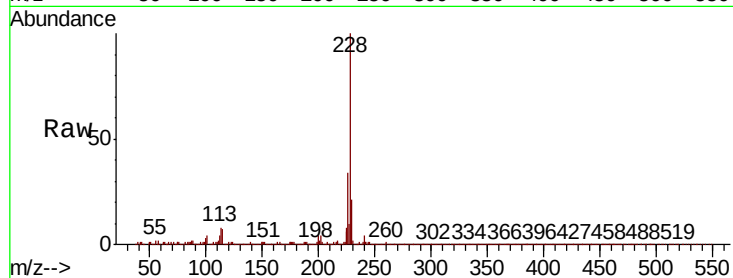
#82
Benzo(a)anthracene
Concen: 100.499 ng/ul m
RT: 21.20 min Scan# 3097
Delta R.T. 0.01 min
Lab File: BN005578.D
Acq: 09 May 2019 22:18

Instrument :
BNA_N
ClientSampleId :
GAJ78

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.8	23.6
226	34.4	21.4	32.2

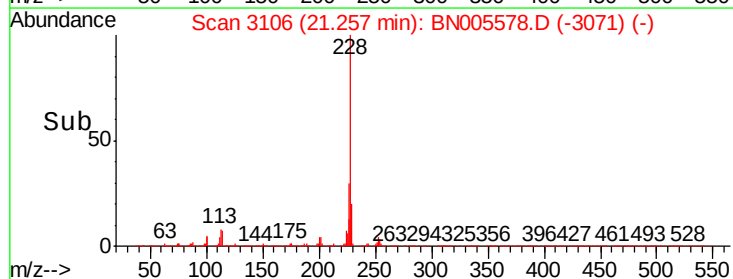
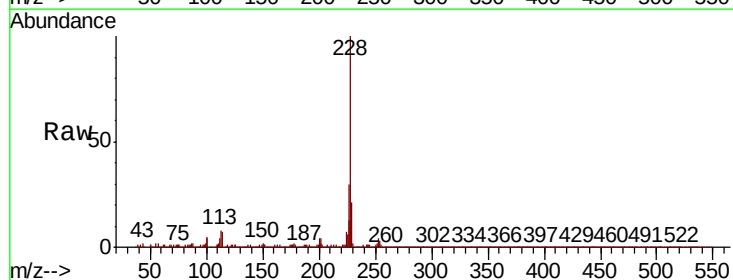
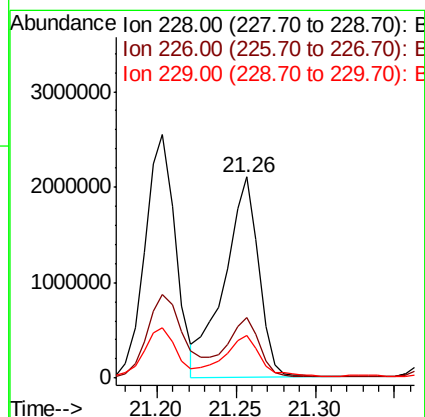
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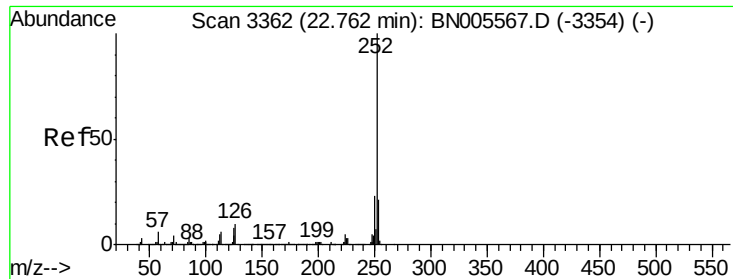
Sohil
5/10/2019 1:19:41 PM



#84
Chrysene
Concen: 99.638 ng/ul
RT: 21.26 min Scan# 3106
Delta R.T. 0.01 min
Lab File: BN005578.D
Acq: 09 May 2019 22:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	21.0	15.4	23.0





#87

Benzo(b)fluoranthene

Concen: 88.965 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. 0.01 min

Lab File: BN005578.D

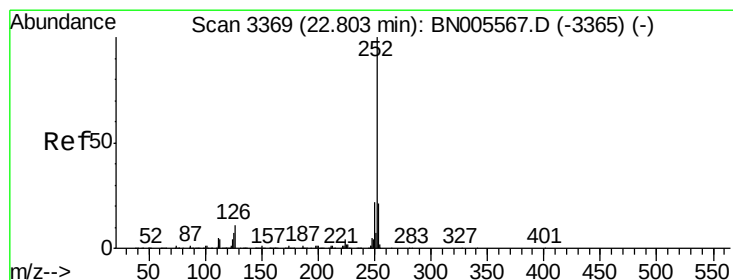
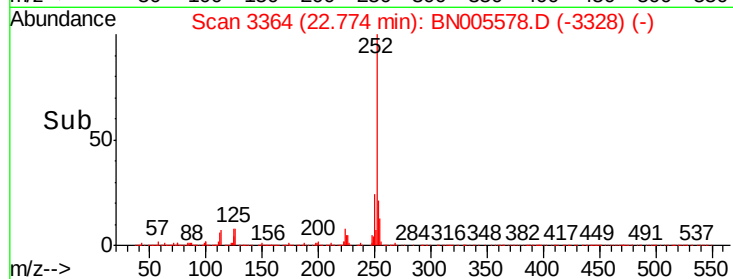
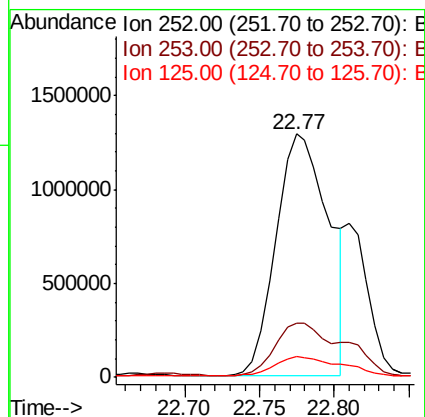
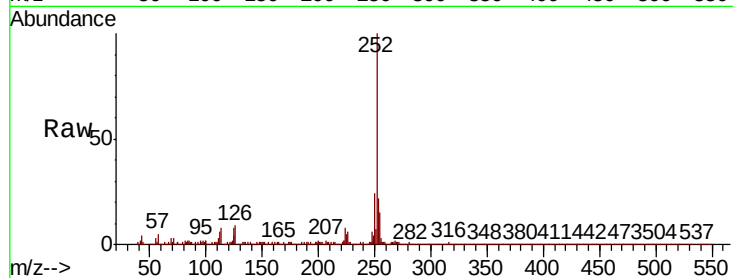
Acq: 09 May 2019 22:18

Instrument :
BNA_N
ClientSampleId :
GAJ78

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	8.4	8.4	12.6

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#88

Benzo(k)fluoranthene

Concen: 24.919 ng/ul m

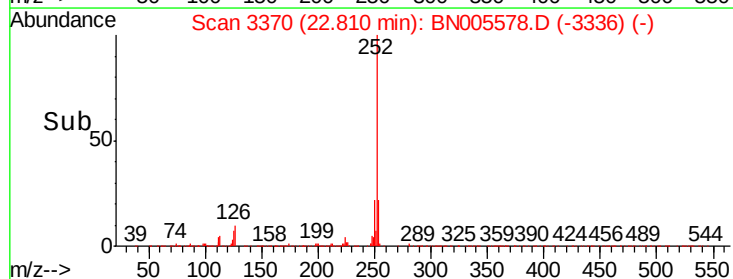
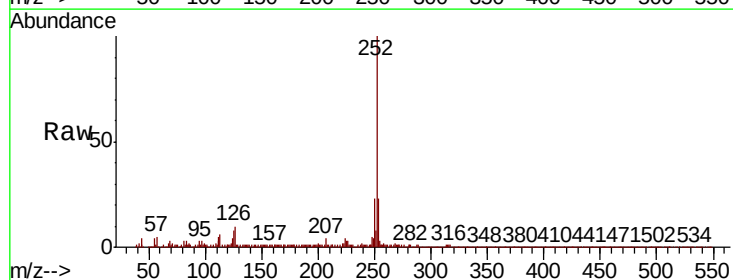
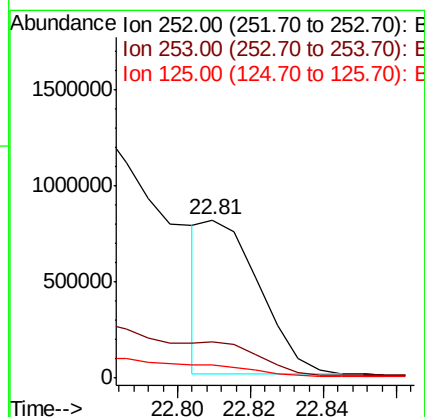
RT: 22.81 min Scan# 3370

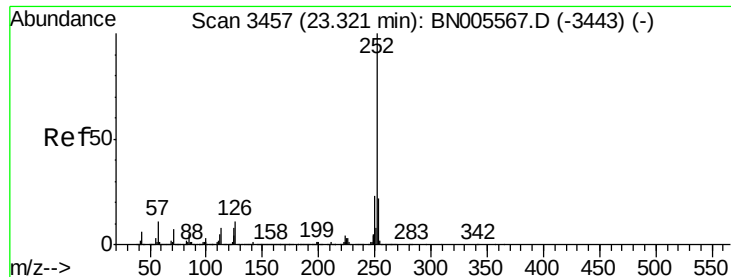
Delta R.T. -0.00 min

Lab File: BN005578.D

Acq: 09 May 2019 22:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	8.1	7.5	11.3





#90

Benzo(a)pyrene

Concen: 87.022 ng/ul m

RT: 23.33 min Scan# 3459

Delta R.T. 0.01 min

Lab File: BN005578.D

Acq: 09 May 2019 22:18

Instrument :

BNA_N

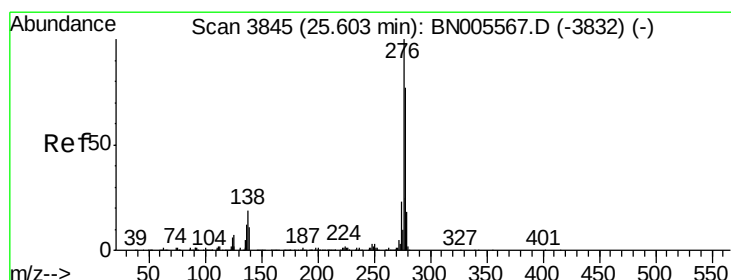
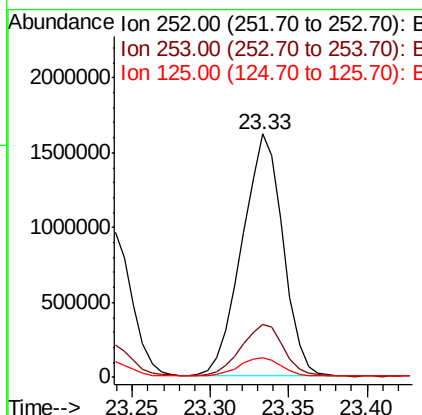
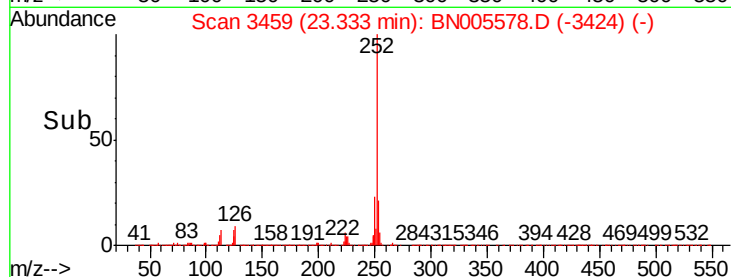
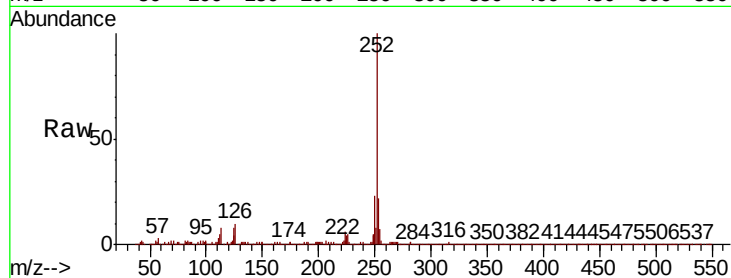
ClientSampled :

GAJ78

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	8.0	8.6	13.0

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#91

Indeno(1,2,3-cd)pyrene

Concen: 40.017 ng/ul

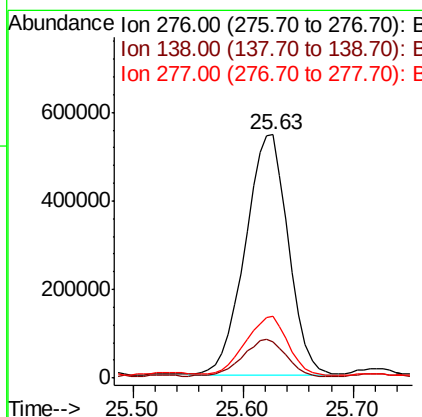
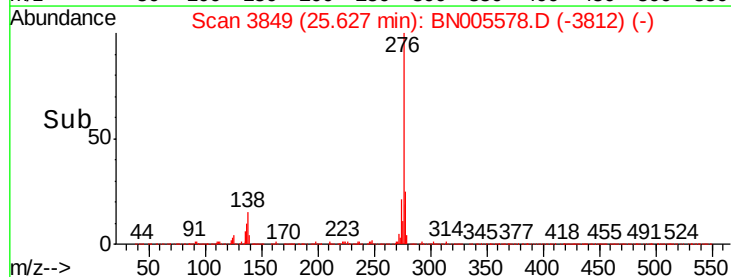
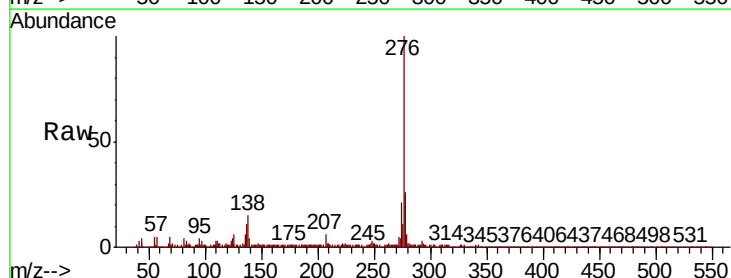
RT: 25.63 min Scan# 3849

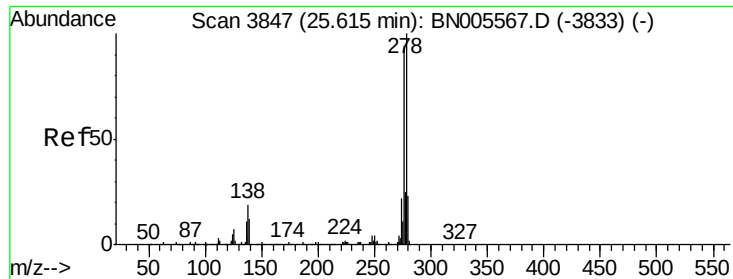
Delta R.T. 0.02 min

Lab File: BN005578.D

Acq: 09 May 2019 22:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.1	17.9	26.9
277	25.6	19.7	29.5





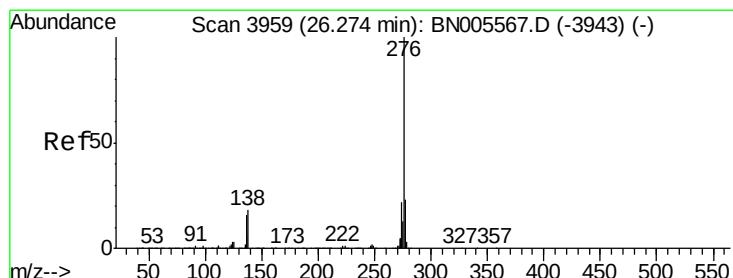
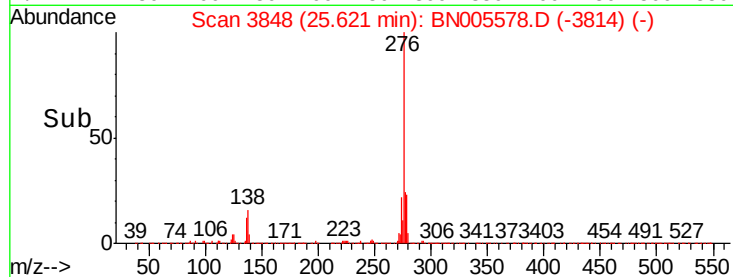
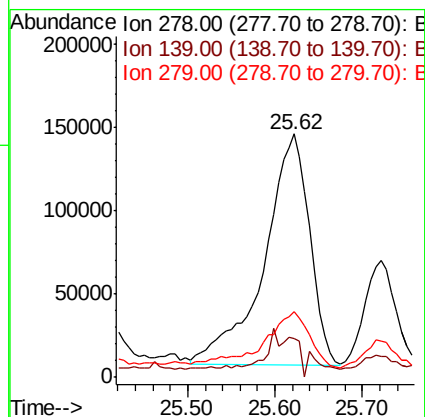
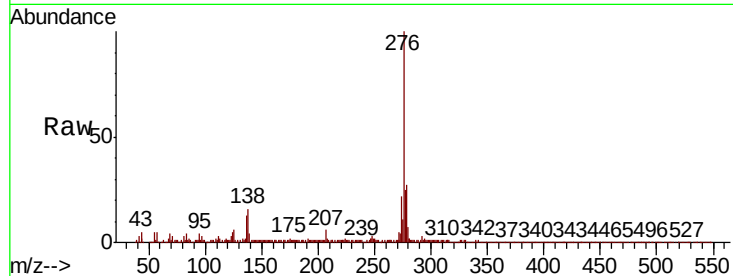
#92
Dibenzo(a,h)anthracene
Concen: 15.826 ng/ul
RT: 25.62 min Scan# 3848
Delta R.T. -0.00 min
Lab File: BN005578.D
Acq: 09 May 2019 22:18

Instrument :
BNA_N
ClientSampleId :
GAJ78

Tot Ion:278	Resp:	498832
Ion Ratio	Lower	Upper
278	100	
139	16.0	13.1 19.7
279	27.0	19.4 29.0

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#93
Benzo(g,h,i)perylene
Concen: 44.606 ng/ul
RT: 26.29 min Scan# 3962
Delta R.T. 0.02 min
Lab File: BN005578.D
Acq: 09 May 2019 22:18

Tgt Ion:276	Resp:	1369859
Ion Ratio	Lower	Upper
276	100	
138	16.1	16.7 25.1#
277	24.0	18.2 27.2

