

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
 Data File : BN005577.D
 Acq On : 09 May 2019 21:44
 Operator : JU/SJ
 Sample : K2604-02 10X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ76

Manual Integrations
 APPROVED

Sohil
 5/10/2019 1:19:40 PM

Quant Time: May 10 02:24:38 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	345190	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1487350	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	902350	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	1949724	20.00	ng/ul	0.01
77) Chrysene-d12	21.22	240	1302868	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	1453456	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	2568	0.36	ng/uL	0.00
5) Phenol-d5	6.78	99	76208	2.81	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	44978	2.66	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	67323	3.24	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	67603	3.19	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	38181	4.17	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	36342	3.92	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	76927	3.62	ng/ul	0.01
29) 4-Chloroaniline-d4	10.50	131	30023m	1.37	ng/ul	0.01
43) Dimethylphthalate-d6	13.64	166	252950	3.86	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	320325	3.98	ng/ul	0.01
51) 4-Nitrophenol-d4	14.47	143	21251	2.05	ng/ul	0.02
57) Fluorene-d10	15.23	176	234859	4.27	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	4275m	0.49	ng/ul	0.04
70) Anthracene-d10	17.09	188	338735	4.14	ng/ul	0.01
78) Pyrene-d10	19.40	212	310573	4.66	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.29	264	257569	4.05	ng/ul	0.01

Target Compounds

					Ovalue	
11) 2-Methylphenol	8.03	108	29437	1.409	ng/ul	96
28) Naphthalene	10.42	128	11529830	166.750	ng/ul	99
34) 2-Methylnaphthalene	12.03	142	4348403	85.889	ng/ul	99
40) 1,1'-Biphenyl	13.05	154	587388	8.737	ng/ul	98
47) Acenaphthylene	13.95	152	4701976	59.470	ng/ul	97
49) Acenaphthene	14.29	153	575537	10.663	ng/ul	98
53) Dibenzofuran	14.63	168	1297895	16.701	ng/ul	98
58) Fluorene	15.29	166	3620701	59.707	ng/ul	98
69) Phenanthrene	17.04	178	16922396	178.215	ng/ul	94
71) Anthracene	17.13	178	6463913	66.824	ng/ul	99
74) Carbazole	17.39	167	305310	3.674	ng/ul#	91
76) Fluoranthene	19.07	202	12630188	119.919	ng/ul	99
79) Pyrene	19.45	202	14471225	172.507	ng/ul	99
82) Benzo(a)anthracene	21.21	228	5758787m	71.051	ng/ul	
84) Chrysene	21.26	228	4980434	66.208	ng/ul	97
87) Benzo(b)fluoranthene	22.79	252	4302786	52.664	ng/ul	98
88) Benzo(k)fluoranthene	22.82	252	1360223m	17.432	ng/ul	
90) Benzo(a)pyrene	23.34	252	4211098m	54.834	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.63	276	1844328	21.722	ng/ul#	94
92) Dibenz(a,h)anthracene	25.63	278	546666	7.586	ng/ul#	82
93) Benzo(a,h,i)perylene	26.30	276	1659310	23.635	ng/ul#	93

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Misc :
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Instrument :
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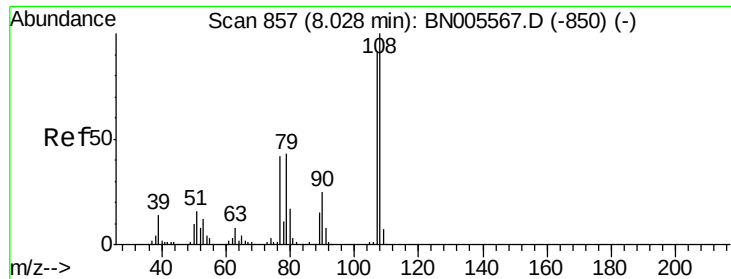
Manual Integrations
APPROVED

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Quant Time: May 10 02:24:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



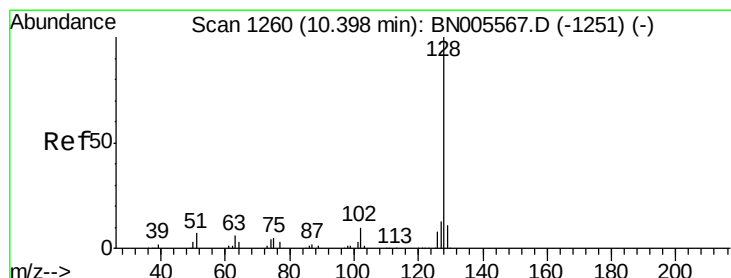
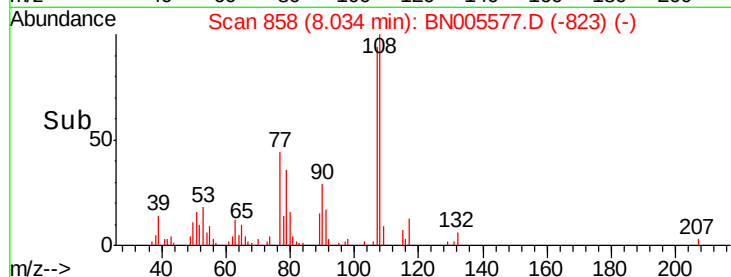
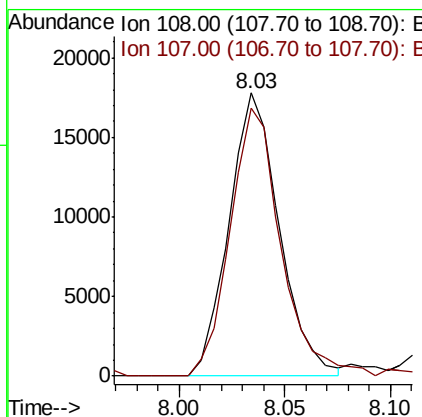
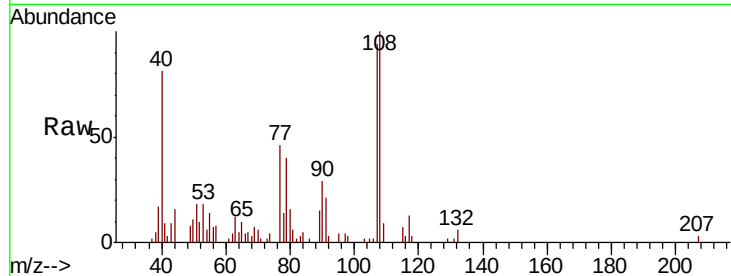
#11
2-Methylphenol
Concen: 1.409 ng/ul
RT: 8.03 min Scan# 858
Delta R.T. 0.01 min
Lab File: BN005577.D
Acq: 09 May 2019 21:44

Instrument :
BNA_N
ClientSampled :
GAJ76

Tot Ion	Ratio	Lower	Upper
108	100		
107	94.5	72.9	109.3

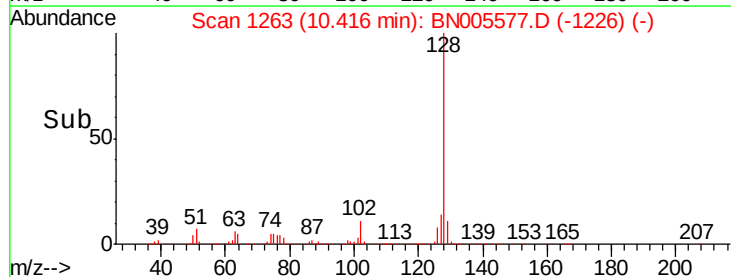
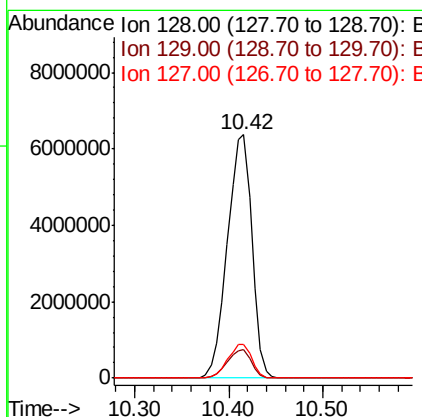
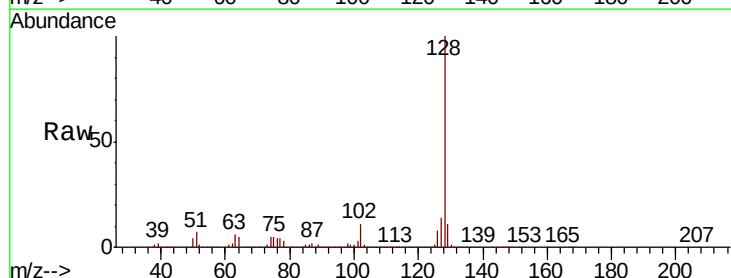
Manual Integrations
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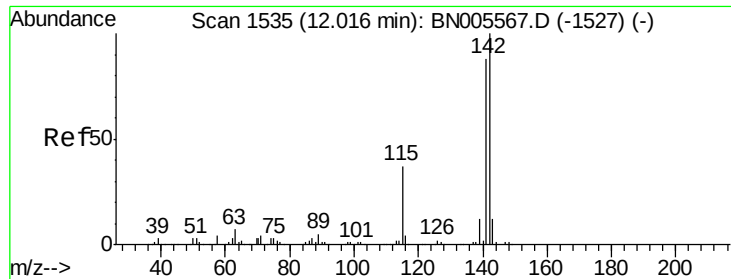
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#28
Naphthalene
Concen: 166.750 ng/ul
RT: 10.42 min Scan# 1263
Delta R.T. 0.02 min
Lab File: BN005577.D
Acq: 09 May 2019 21:44

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	13.9	10.7	16.1





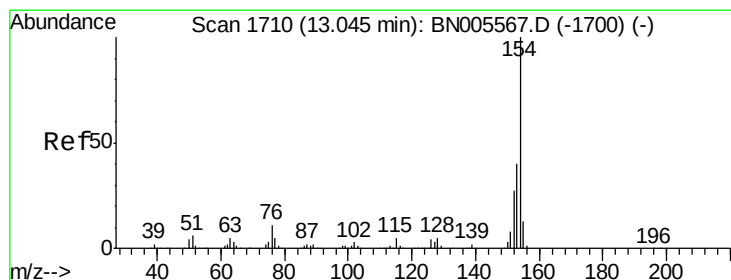
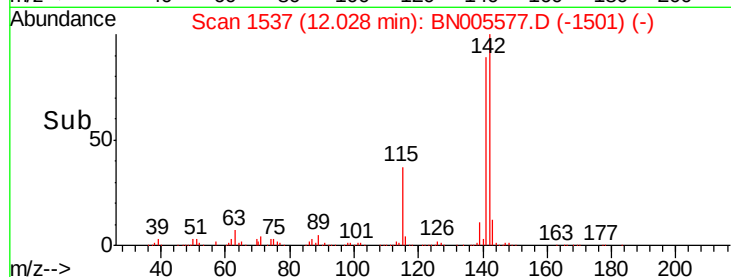
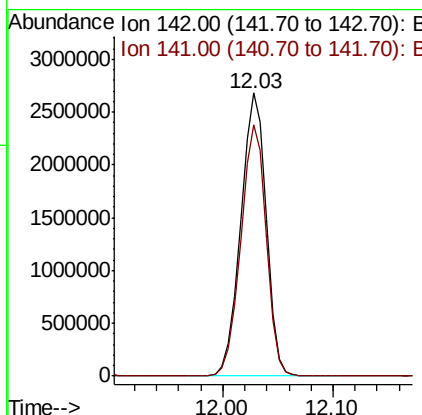
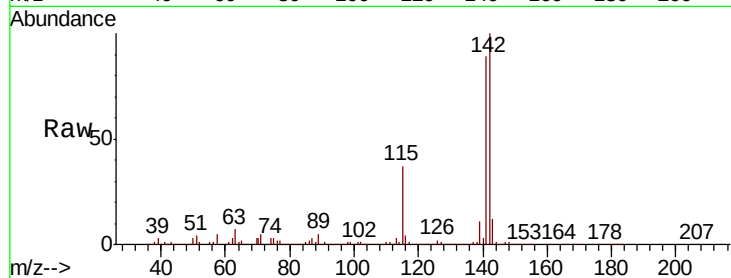
#34
 2-Methylnaphthalene
 Concen: 85.889 ng/ul
 RT: 12.03 min Scan# 1537
 Delta R.T. 0.01 min
 Lab File: BN005577.D
 Acq: 09 May 2019 21:44

Instrument :
 BNA_N
 ClientSampleId :
 GAJ76

Tot Ion:142 Resp: 4348403
 Ion Ratio Lower Upper
 142 100
 141 88.9 72.0 108.0

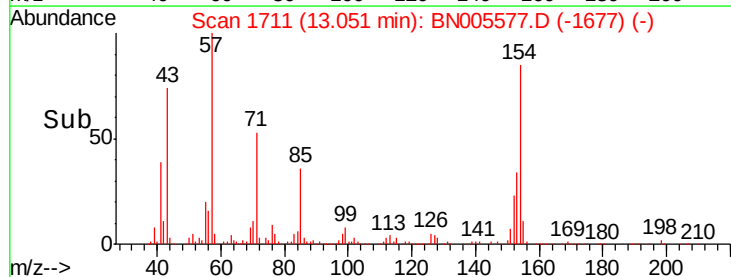
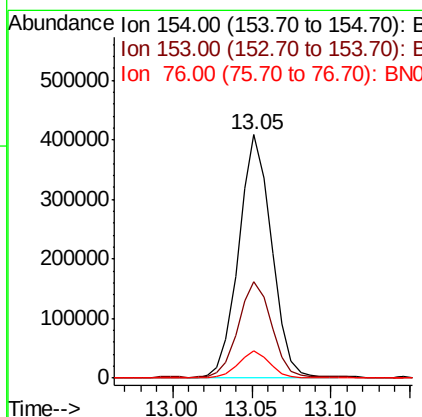
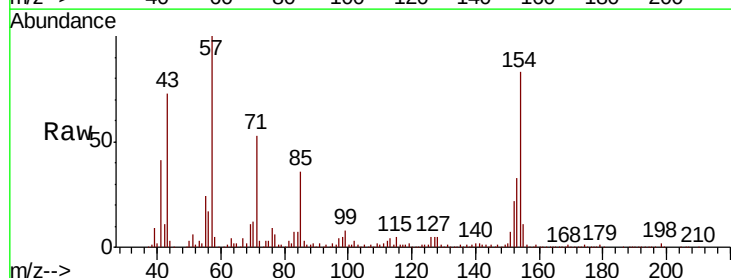
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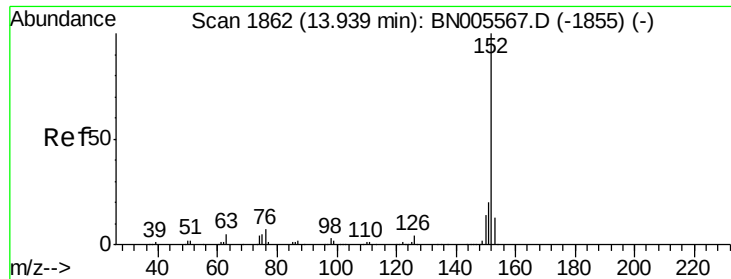
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#40
 1,1'-Biphenyl
 Concen: 8.737 ng/ul
 RT: 13.05 min Scan# 1711
 Delta R.T. 0.00 min
 Lab File: BN005577.D
 Acq: 09 May 2019 21:44

Tgt Ion:154 Resp: 587388
 Ion Ratio Lower Upper
 154 100
 153 39.8 32.6 49.0
 76 11.0 10.4 15.6





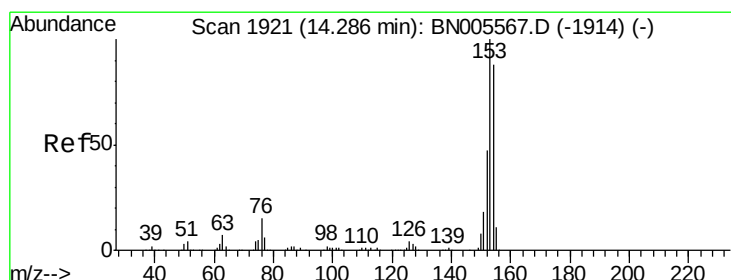
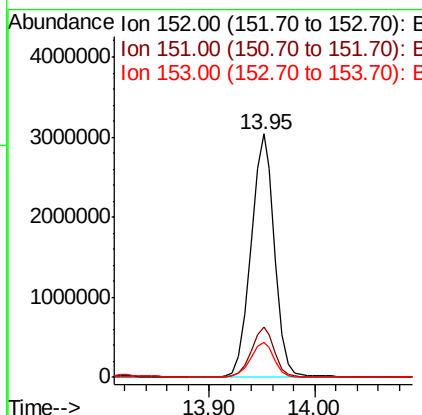
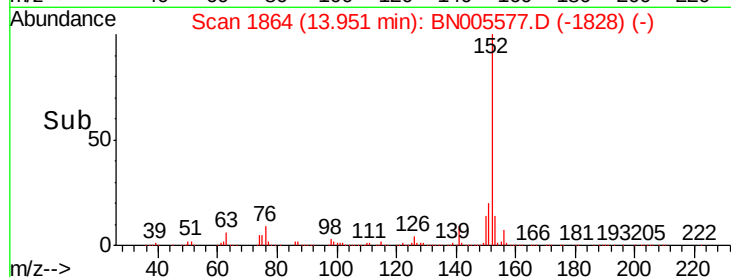
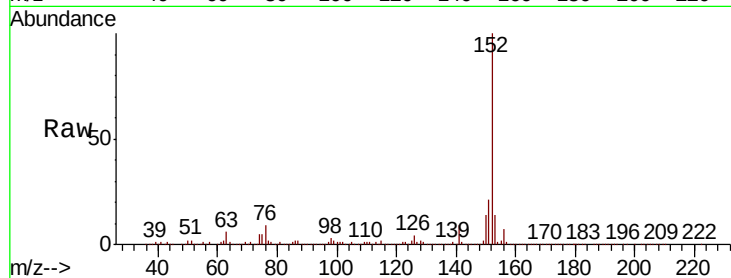
#47
Acenaphthylene
Concen: 59.470 ng/ul
RT: 13.95 min Scan# 1864
Delta R.T. 0.01 min
Lab File: BN005577.D
Acq: 09 May 2019 21:44

Instrument :
BNA_N
ClientSampleId :
GAJ76

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.8	23.8
153	14.3	9.8	14.8

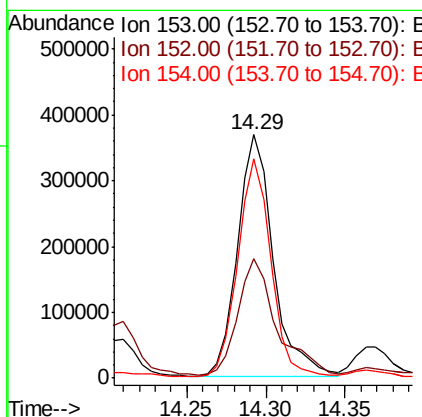
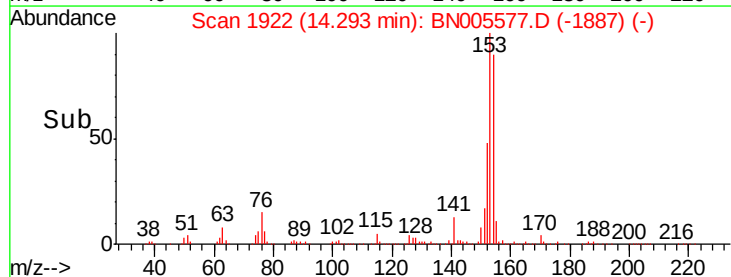
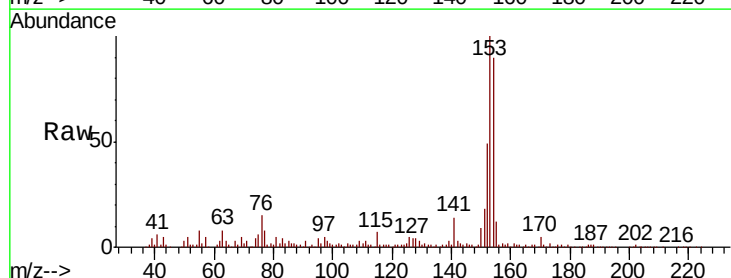
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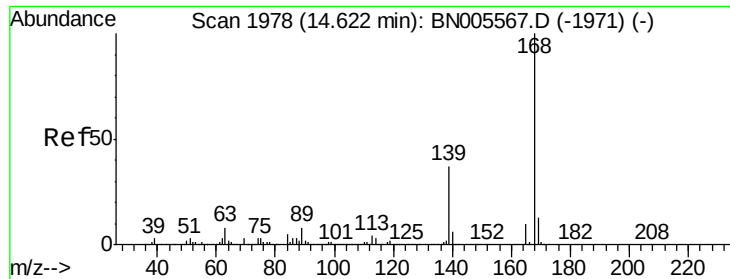
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#49
Acenaphthene
Concen: 10.663 ng/ul
RT: 14.29 min Scan# 1922
Delta R.T. 0.01 min
Lab File: BN005577.D
Acq: 09 May 2019 21:44

Tgt Ion	Ratio	Lower	Upper
153	100		
152	49.0	37.4	56.0
154	89.9	71.2	106.8





#53

Dibenzofuran

Concen: 16.701 ng/ul

RT: 14.63 min Scan# 1980

Delta R.T. 0.01 min

Lab File: BN005577.D

Acq: 09 May 2019 21:44

Instrument :

BNA_N

ClientSampled :

GAJ76

Tot Ion:168 Resp: 1297895

Ion Ratio Lower Upper

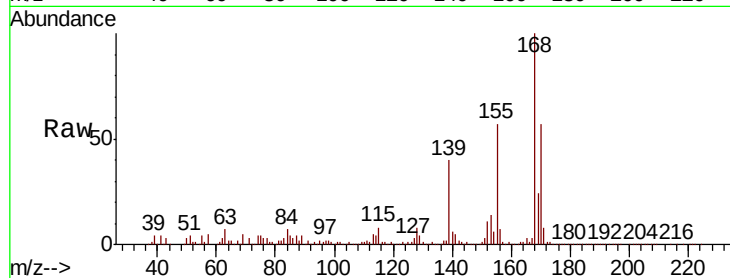
168 100

139 40.1 30.9 46.3

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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

800000

600000

400000

200000

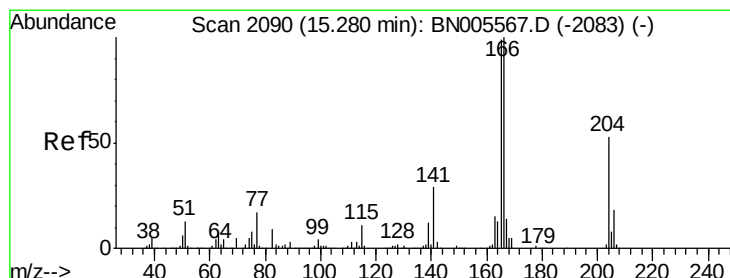
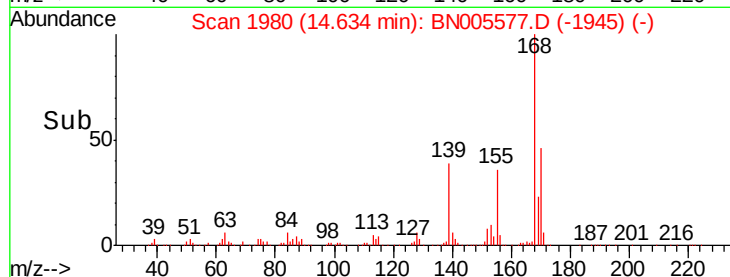
0

14.60

14.63

14.70

Time-->



#58

Fluorene

Concen: 59.707 ng/ul

RT: 15.29 min Scan# 2091

Delta R.T. 0.01 min

Lab File: BN005577.D

Acq: 09 May 2019 21:44

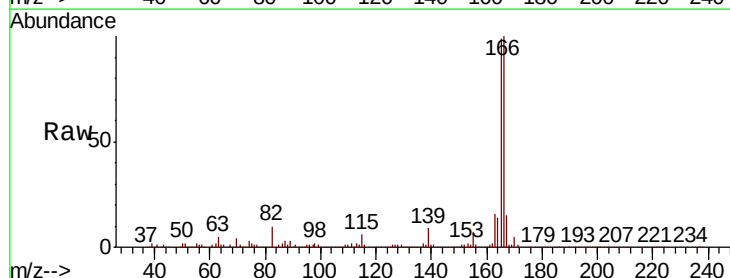
Tgt Ion:166 Resp: 3620701

Ion Ratio Lower Upper

166 100

165 98.6 80.0 120.0

167 14.7 10.7 16.1



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

3000000

2500000

2000000

1500000

1000000

500000

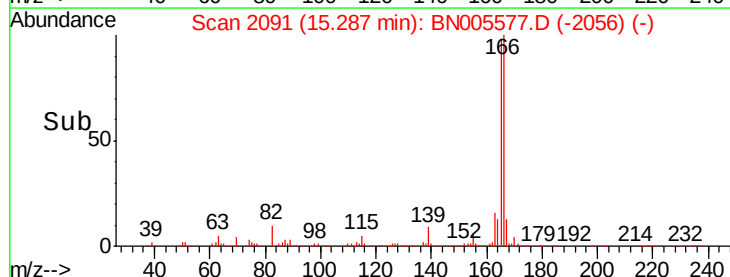
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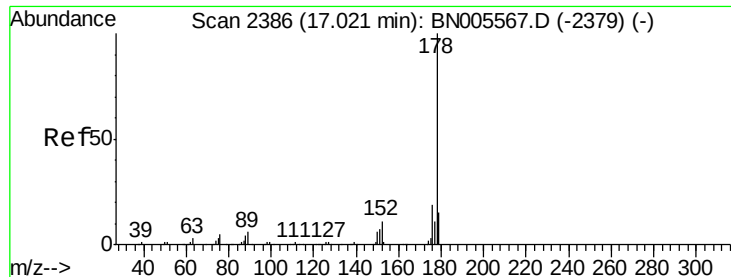
15.25

15.29

15.35

Time-->





#69

Phenanthrene

Concen: 178.215 ng/ul

RT: 17.04 min Scan# 2389

Delta R.T. 0.02 min

Lab File: BN005577.D

Acq: 09 May 2019 21:44

Instrument :

BNA_N

ClientSampled :

GAJ76

Tot Ion:178 Resp:16922396

Ion Ratio Lower Upper

178 100

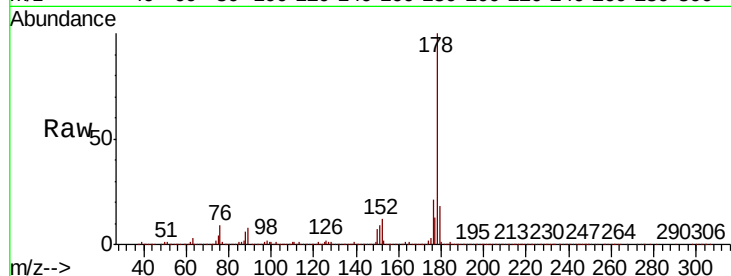
179 17.9 12.2 18.4

176 21.2 15.1 22.7

Manual Integrations
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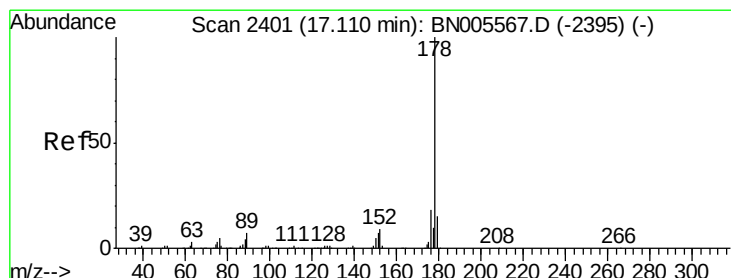
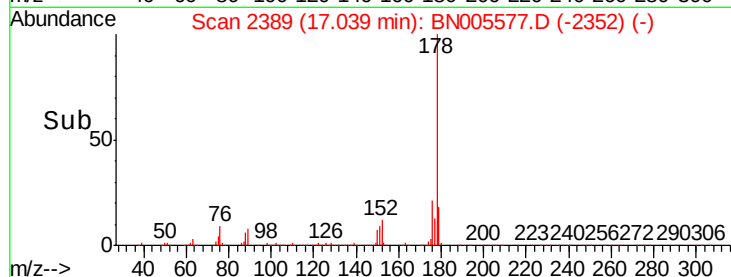
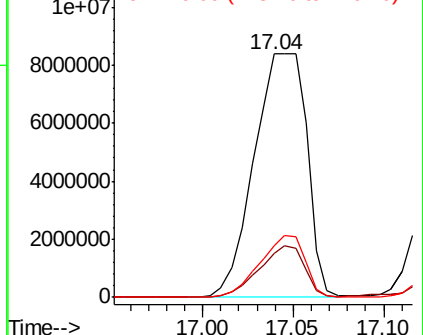
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 66.824 ng/ul

RT: 17.13 min Scan# 2404

Delta R.T. 0.02 min

Lab File: BN005577.D

Acq: 09 May 2019 21:44

Tgt Ion:178 Resp: 6463913

Ion Ratio Lower Upper

178 100

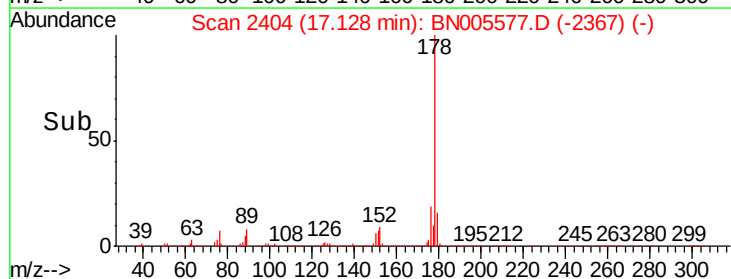
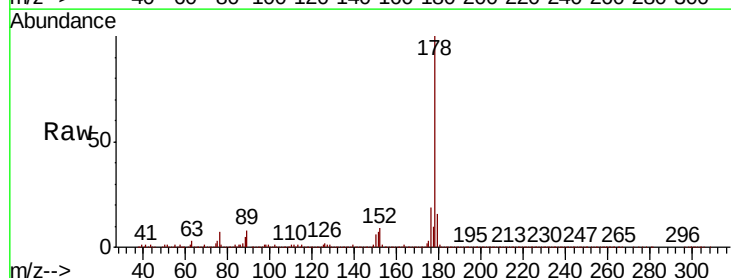
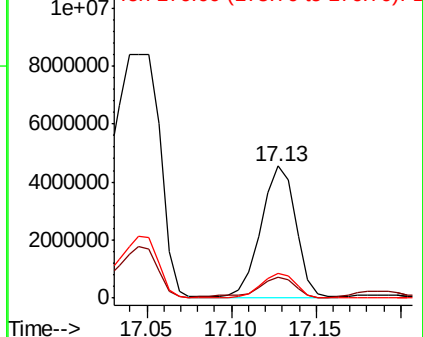
179 16.0 12.3 18.5

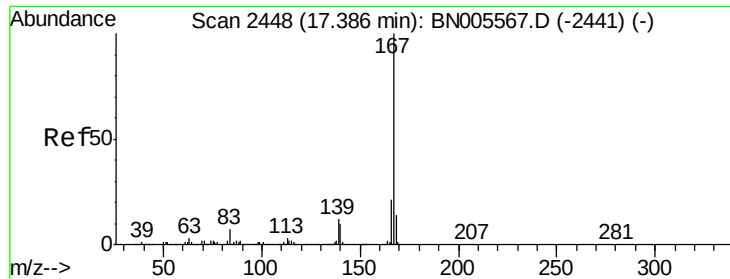
176 18.9 15.1 22.7

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





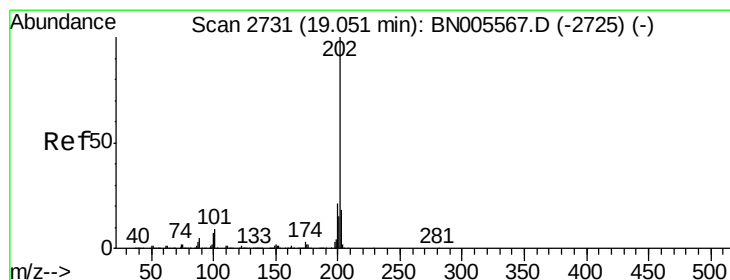
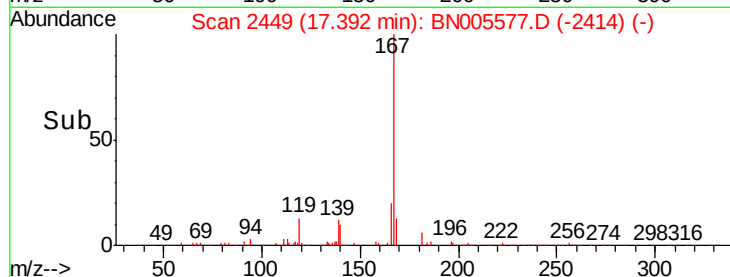
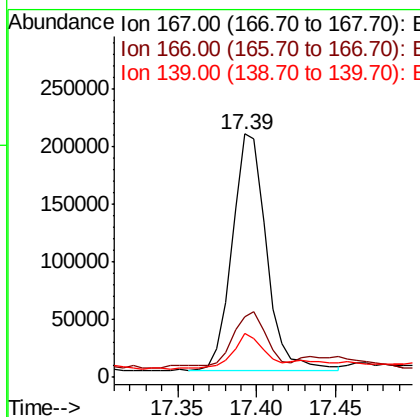
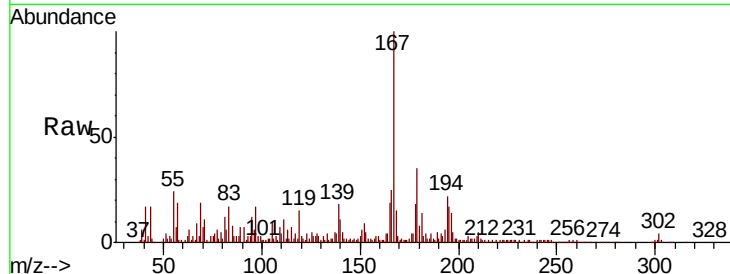
#74
 Carbazole
 Concen: 3.674 ng/ul
 RT: 17.39 min Scan# 2449
 Delta R.T. 0.01 min
 Lab File: BN005577.D
 Acq: 09 May 2019 21:44

Instrument :
 BNA_N
 ClientSampled :
 GAJ76

Tot Ion	Ratio	Lower	Upper
167	100		
166	24.9	17.2	25.8
139	18.1	10.6	16.0

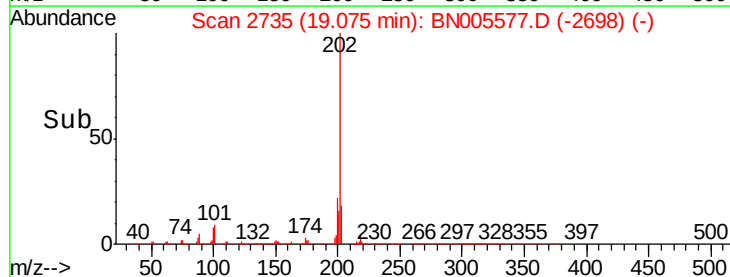
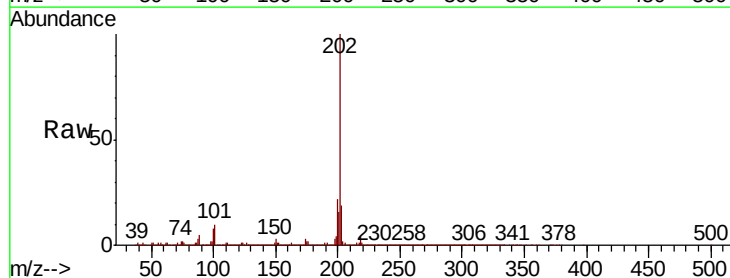
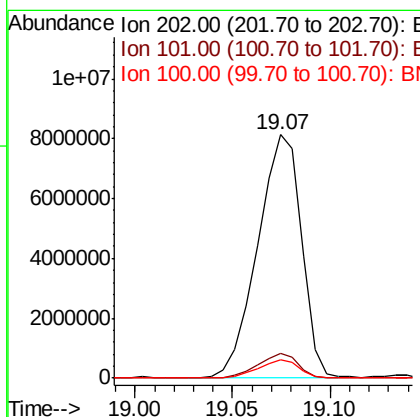
Manual Integrations
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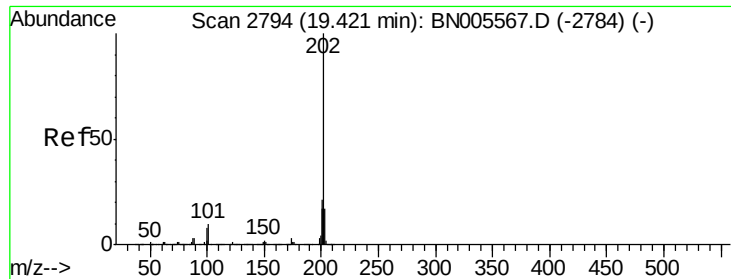
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#76
 Fluoranthene
 Concen: 119.919 ng/ul
 RT: 19.07 min Scan# 2735
 Delta R.T. 0.02 min
 Lab File: BN005577.D
 Acq: 09 May 2019 21:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	8.6	12.8
100	7.8	6.3	9.5





#79

Pvrene

Concen: 172.507 ng/ul

RT: 19.45 min Scan# 2798

Delta R.T. 0.02 min

Lab File: BN005577.D

Acq: 09 May 2019 21:44

Instrument :

BNA_N

ClientSampled :

GAJ76

Tot Ion:202 Resp:14471225

Ion Ratio Lower Upper

202 100

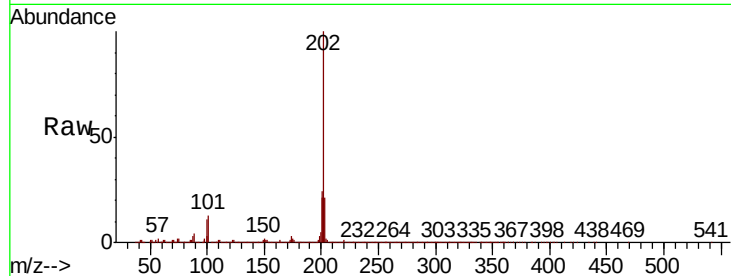
101 12.9 10.3 15.5

100 10.5 7.9 11.9

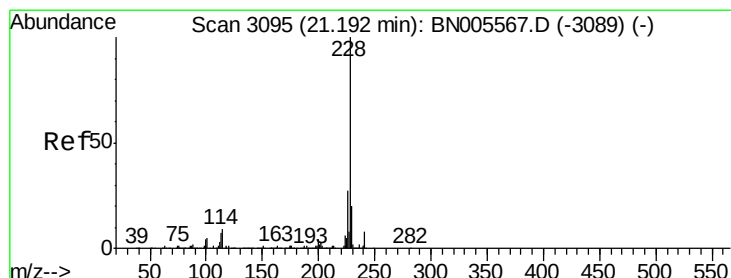
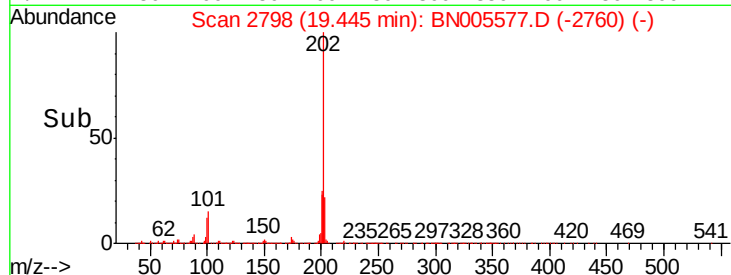
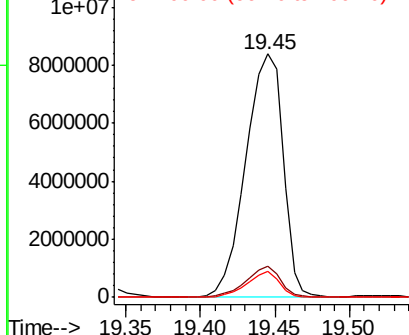
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#82

Benzo(a)anthracene

Concen: 71.051 ng/ul m

RT: 21.21 min Scan# 3098

Delta R.T. 0.01 min

Lab File: BN005577.D

Acq: 09 May 2019 21:44

Tgt Ion:228 Resp: 5758787

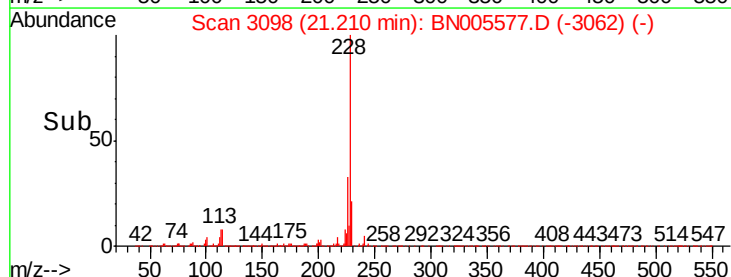
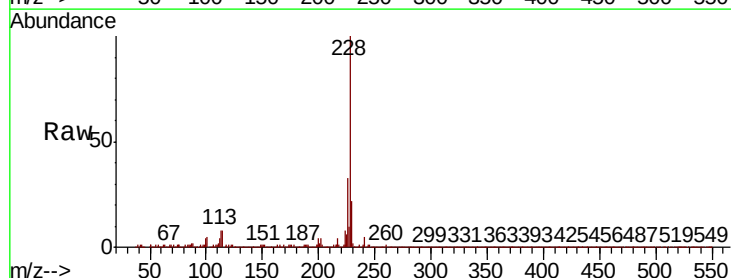
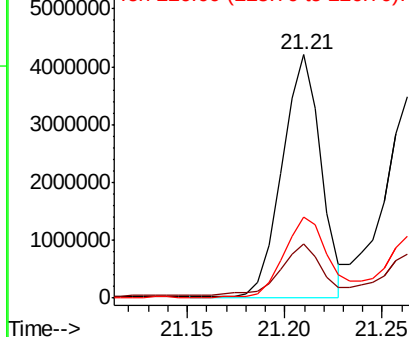
Ion Ratio Lower Upper

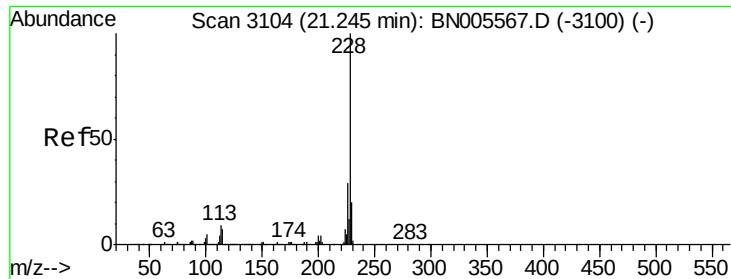
228 100

229 22.2 15.8 23.6

226 33.5 21.4 32.2#

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





#84

Chrysene

Concen: 66.208 ng/ul

RT: 21.26 min Scan# 3107

Delta R.T. 0.01 min

Lab File: BN005577.D

Acq: 09 May 2019 21:44

Instrument :

BNA_N

ClientSampled :

GAJ76

Tot Ion:228 Resp: 4980434

Ion Ratio Lower Upper

228 100

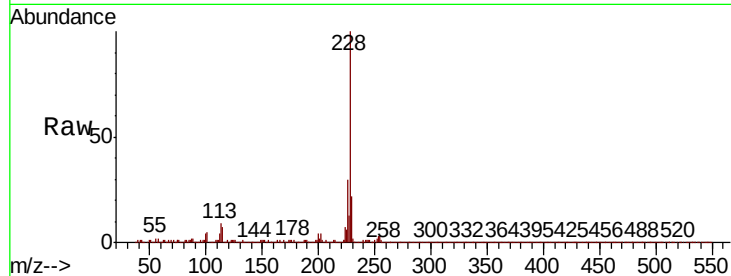
226 30.4 24.0 36.0

229 22.1 15.4 23.0

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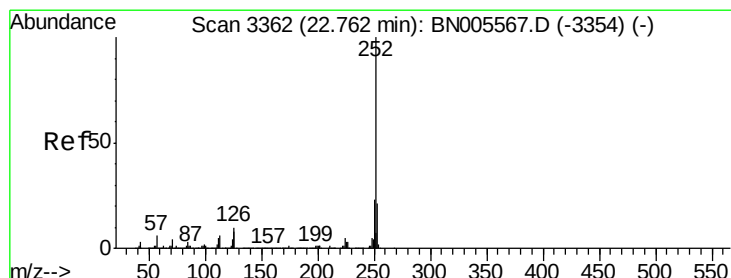
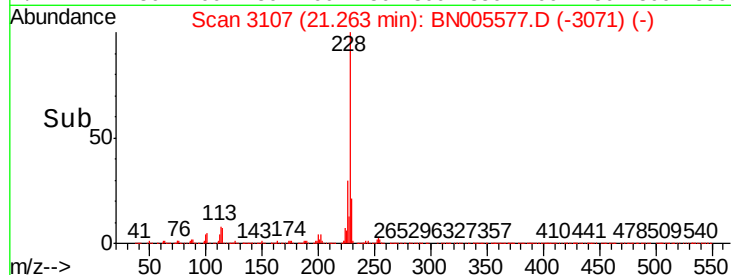
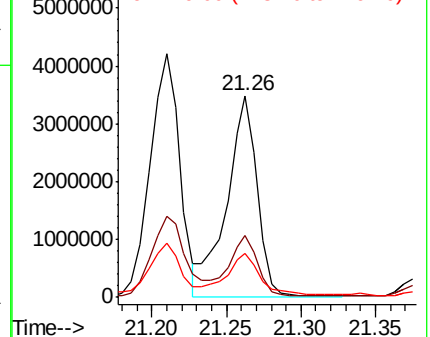


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 52.664 ng/ul

RT: 22.79 min Scan# 3366

Delta R.T. 0.02 min

Lab File: BN005577.D

Acq: 09 May 2019 21:44

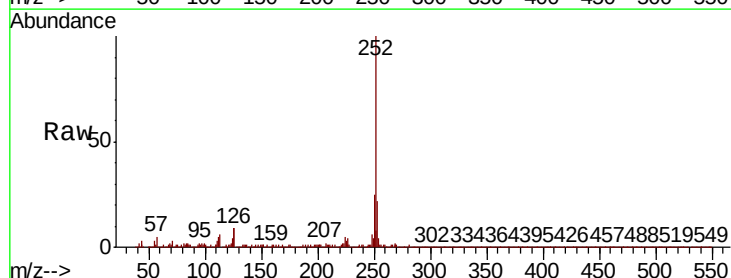
Tgt Ion:252 Resp: 4302786

Ion Ratio Lower Upper

252 100

253 22.4 17.7 26.5

125 8.6 8.4 12.6

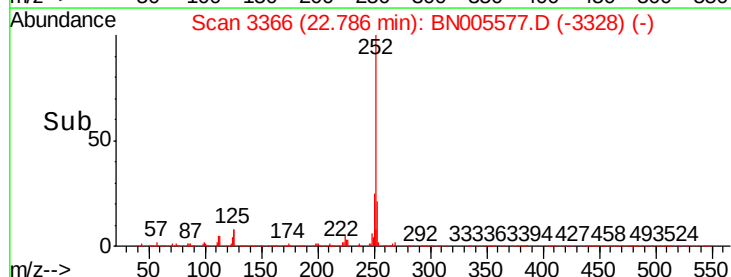
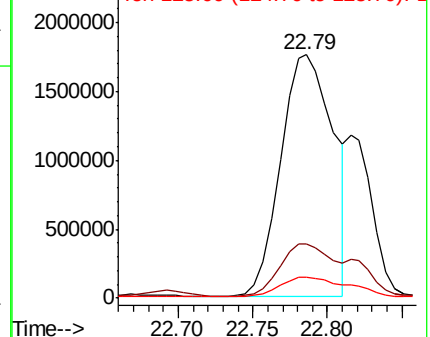


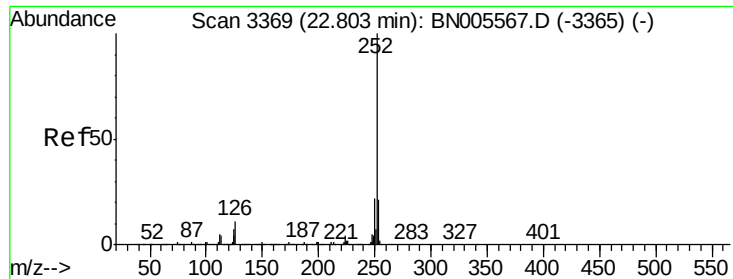
Abundance

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





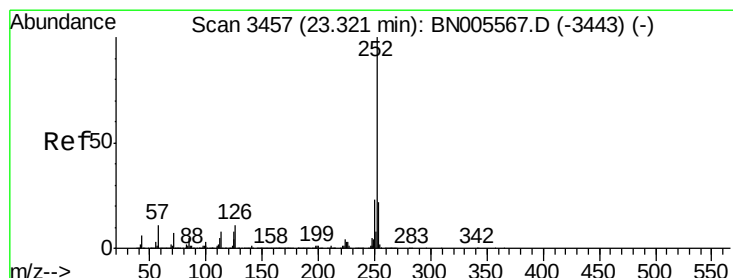
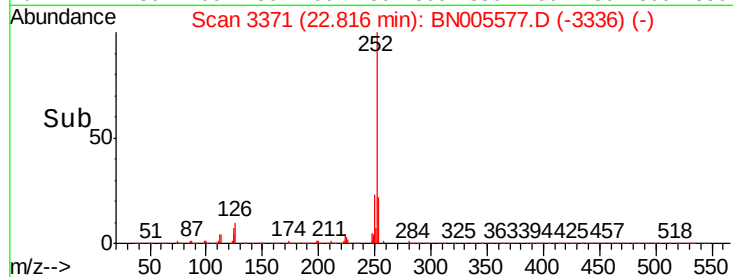
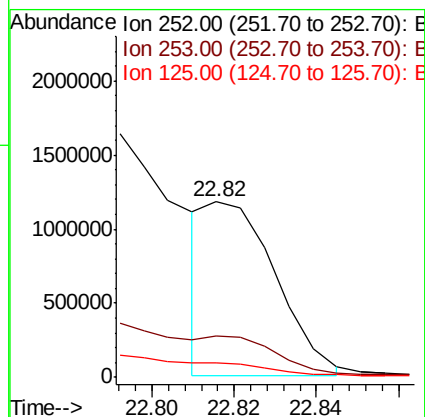
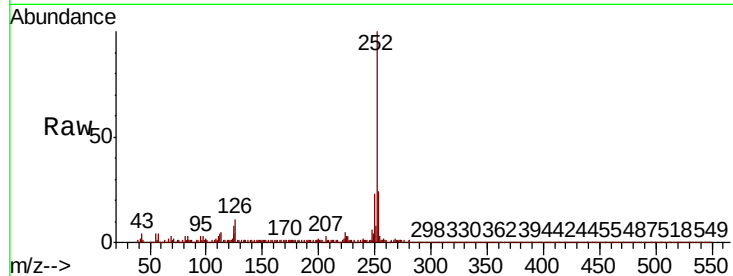
#88
Benzo(k)fluoranthene
Concen: 17.432 ng/ul m
RT: 22.82 min Scan# 3371
Delta R.T. 0.01 min
Lab File: BN005577.D
Acq: 09 May 2019 21:44

Instrument :
BNA_N
ClientSampleId :
GAJ76

Tot Ion:252 Resp: 1360223
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 8.2 7.5 11.3

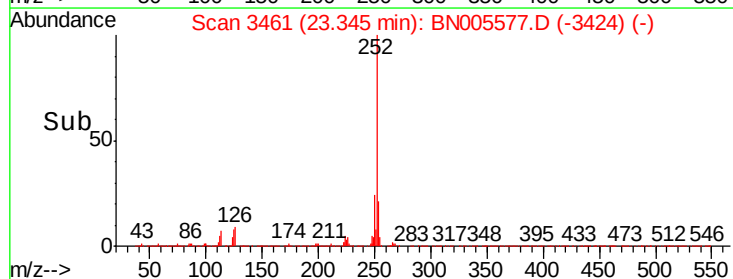
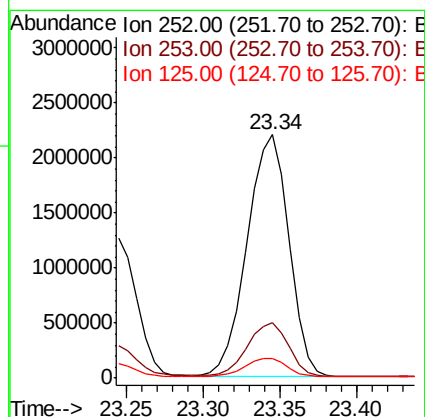
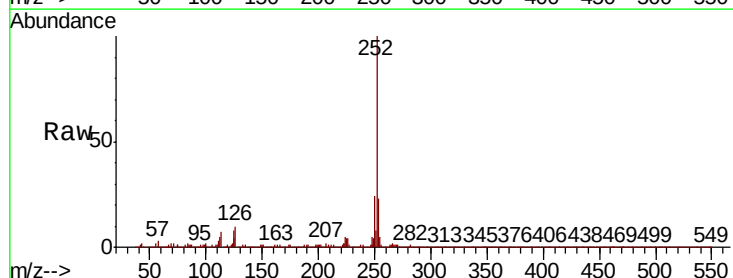
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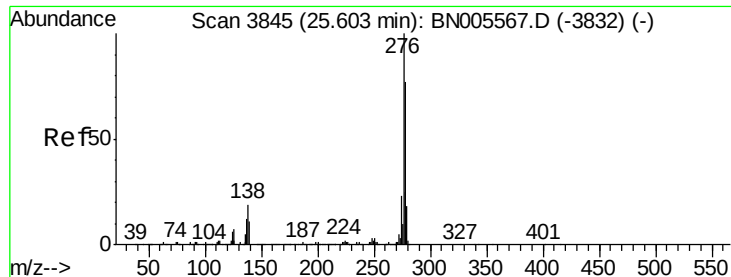
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#90
Benzo(a)pyrene
Concen: 54.834 ng/ul m
RT: 23.34 min Scan# 3461
Delta R.T. 0.02 min
Lab File: BN005577.D
Acq: 09 May 2019 21:44

Tgt Ion:252 Resp: 4211098
Ion Ratio Lower Upper
252 100
253 22.6 17.3 25.9
125 8.1 8.6 13.0#





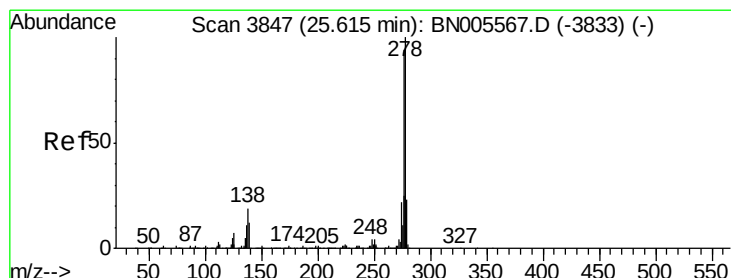
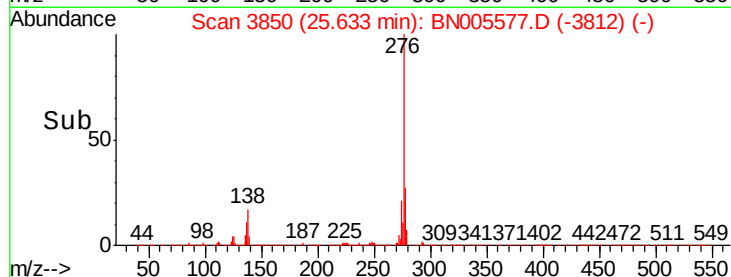
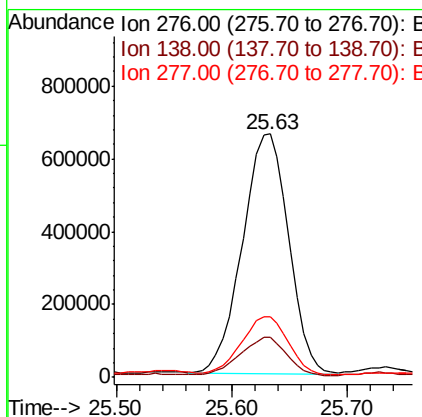
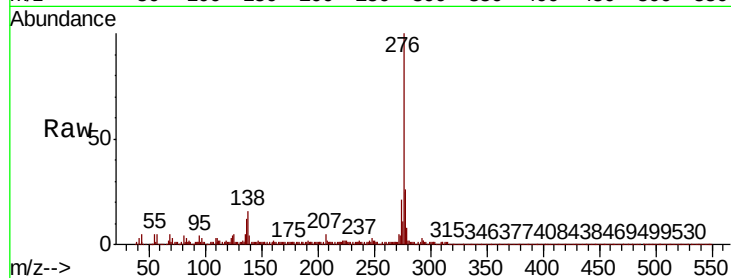
#91
Indeno(1,2,3-cd)pyrene
Concen: 21.722 ng/ul
RT: 25.63 min Scan# 3850
Delta R.T. 0.02 min
Lab File: BN005577.D
Acq: 09 May 2019 21:44

Instrument :
BNA_N
ClientSampleId :
GAJ76

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.5	17.9	26.9#
277	24.8	19.7	29.5

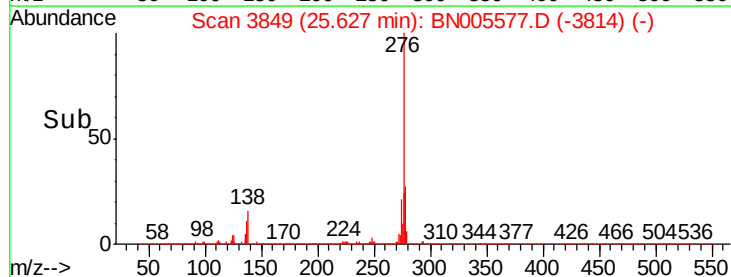
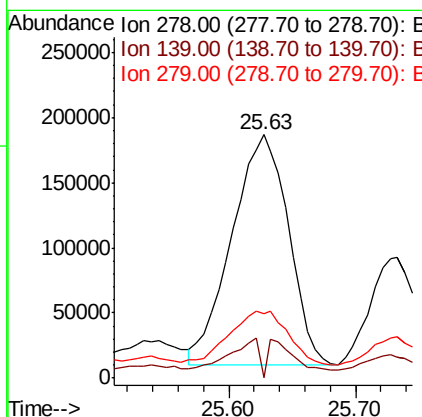
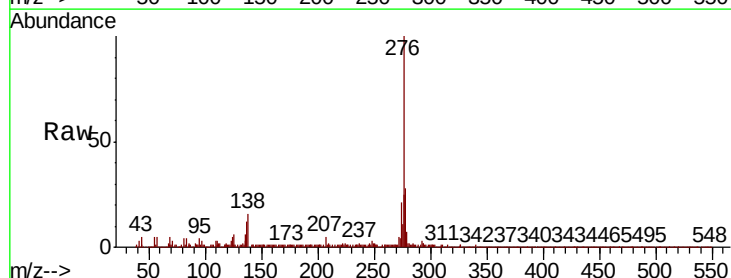
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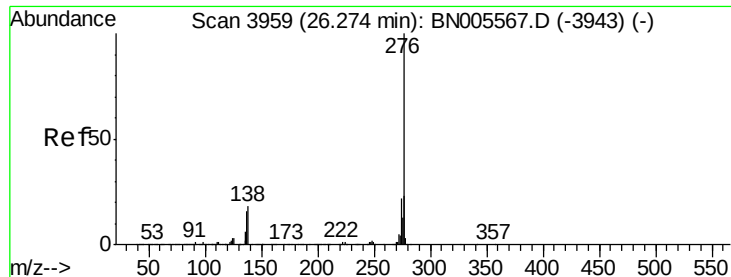
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#92
Dibenzo(a,h)anthracene
Concen: 7.586 ng/ul
RT: 25.63 min Scan# 3849
Delta R.T. 0.01 min
Lab File: BN005577.D
Acq: 09 May 2019 21:44

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.1	19.7#
279	26.5	19.4	29.0





#93

Benzo(a,h,i)perylene

Concen: 23.635 ng/ul

RT: 26.30 min Scan# 3964

Delta R.T. 0.03 min

Lab File: BN005577.D

Acq: 09 May 2019 21:44

Instrument :

BNA_N

ClientSampleId :

GAJ76

Tot Ion:276 Resp: 1659310

Ion Ratio Lower Upper

276 100

138 16.0 16.7 25.1#

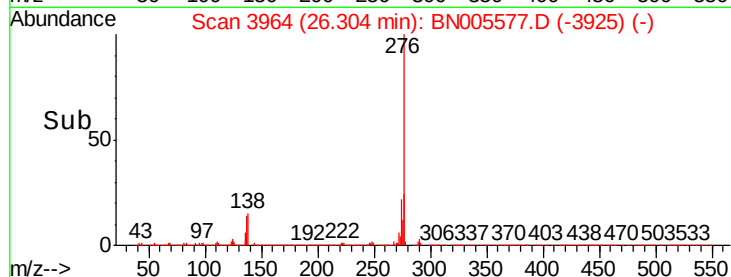
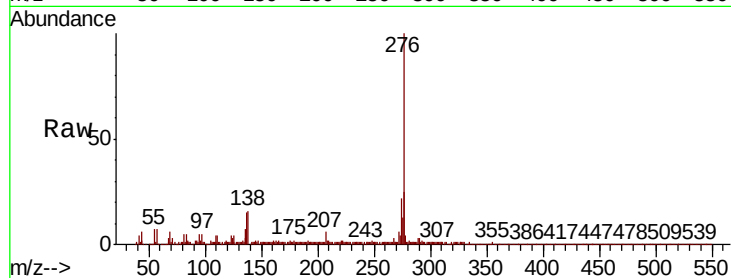
277 25.0 18.2 27.2

Manual Integrations

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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

