

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050919\
 Data File : BN005576.D
 Acq On : 09 May 2019 21:09
 Operator : JU/SJ
 Sample : K2604-18 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAJ89

Manual Integrations
 APPROVED

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

Quant Time: May 10 02:08:46 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	340219	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	1464877	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	894387	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	1910326	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	1200005	20.00	ng/ul	0.00
85) Perylene-d12	23.43	264	1313997	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.21	96	1685	0.24	ng/uL	0.00
5) Phenol-d5	6.78	99	46552	1.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	26456	1.59	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	41038	2.01	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	36120	1.73	ng/ul	0.01
19) Nitrobenzene-d5	8.74	128	19546	2.17	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	17626	1.93	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	41333m	1.97	ng/ul	0.03
29) 4-Chloroaniline-d4	10.52	131	22157m	1.03	ng/ul	0.02
43) Dimethylphthalate-d6	13.64	166	132966	2.05	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	170938	2.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	12216m	1.19	ng/ul	0.04
57) Fluorene-d10	15.23	176	121662	2.23	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.40	200	121m	0.01	ng/ul	0.04
70) Anthracene-d10	17.08	188	182697	2.28	ng/ul	0.00
78) Pyrene-d10	19.40	212	162042	2.64	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.29	264	128009	2.23	ng/ul	0.01

Target Compounds

					Ovalue	
47) Acenaphthylene	13.95	152	1338254	17.077	ng/ul	99
58) Fluorene	15.30	166	72265	1.202	ng/ul#	61
69) Phenanthrene	17.03	178	425476	4.573	ng/ul	100
71) Anthracene	17.12	178	920962	9.717	ng/ul	99
76) Fluoranthene	19.06	202	3882966	37.628	ng/ul	96
79) Pyrene	19.43	202	7019672	90.852	ng/ul	95
82) Benzo(a)anthracene	21.20	228	2927034m	39.209	ng/ul	
84) Chrysene	21.26	228	2829274	40.836	ng/ul	99
87) Benzo(b)fluoranthene	22.79	252	2709721	36.686	ng/ul	99
88) Benzo(k)fluoranthene	22.82	252	685980m	9.724	ng/ul	
90) Benzo(a)pyrene	23.34	252	2191969m	31.572	ng/ul	
91) Indeno(1,2,3-cd)pyrene	25.63	276	1299617	16.931	ng/ul#	93
92) Dibenzo(a,h)anthracene	25.62	278	436206	6.696	ng/ul	96
93) Benzo(g,h,i)perylene	26.30	276	1312572	20.680	ng/ul#	94

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

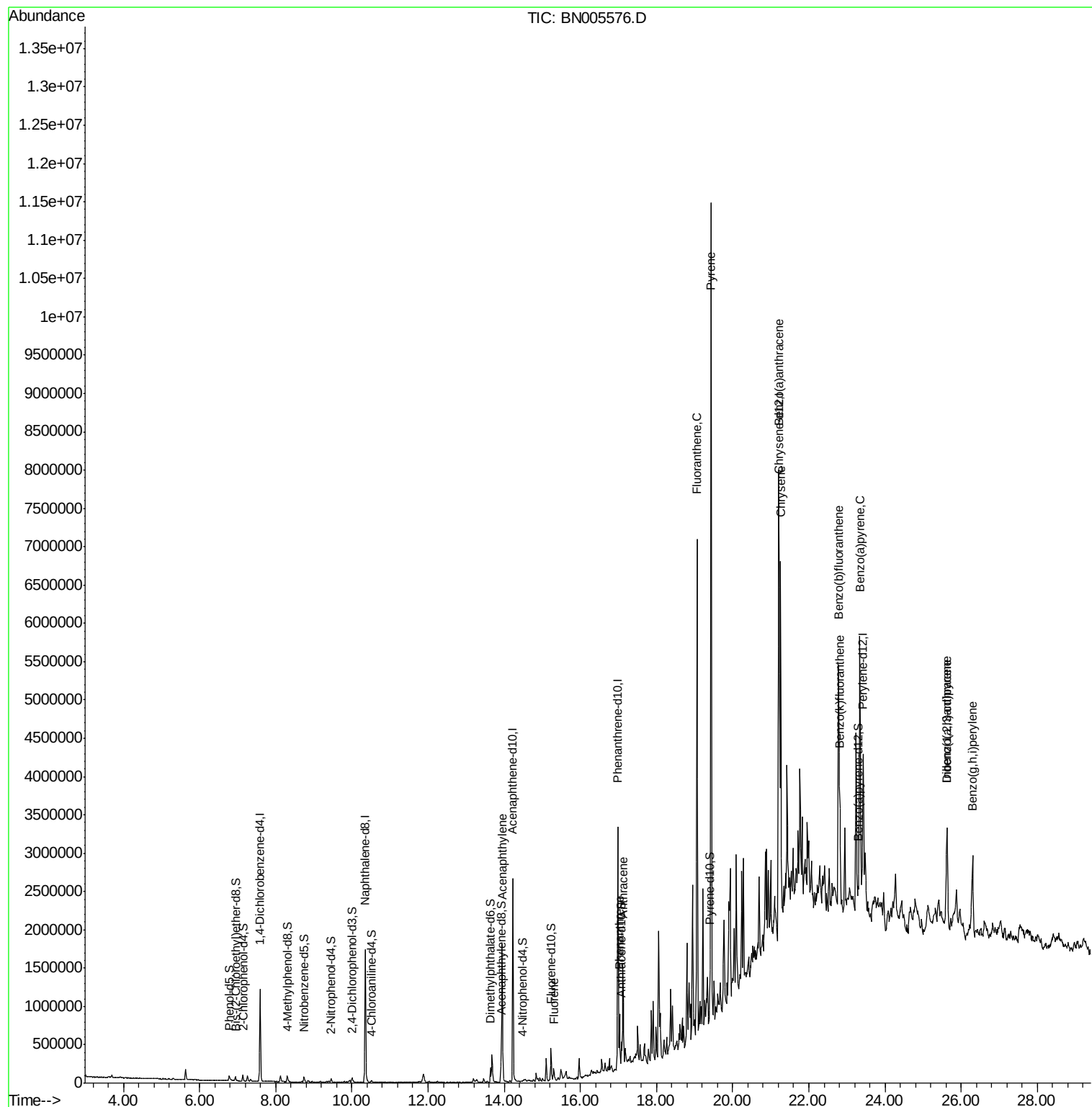
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN050919\
Data File : BN005576.D
Acq On : 09 May 2019 21:09
Operator : JU/SJ
Sample : K2604-18 10X
Misc :
ALS Vial : 19 Sample Multiplier: 1

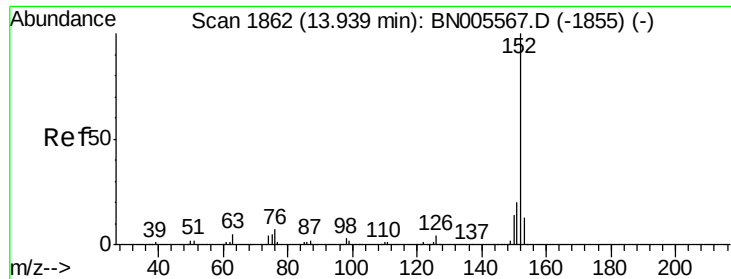
Instrument :
BNA_N
ClientSampleId :
GAJ89

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APPROVED

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5/10/2019 1:19:40 PM

Quant Time: May 10 02:08:46 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





#47

Acenaphthylene

Concen: 17.077 ng/ul

RT: 13.95 min Scan# 1863

Delta R.T. 0.01 min

Lab File: BN005576.D

Acq: 09 May 2019 21:09

Instrument :

BNA_N

ClientSampleId :

GAJ89

Tot Ion:152 Resp: 1338254

Ion Ratio Lower Upper

152 100

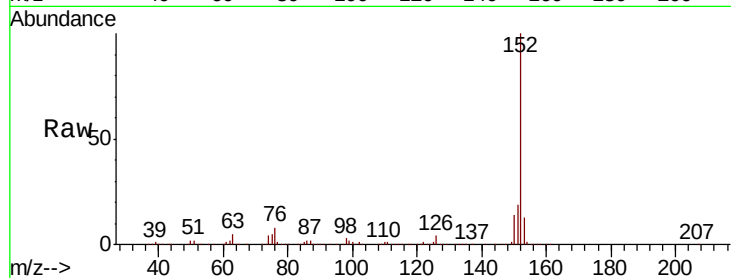
151 19.4 15.8 23.8

153 12.7 9.8 14.8

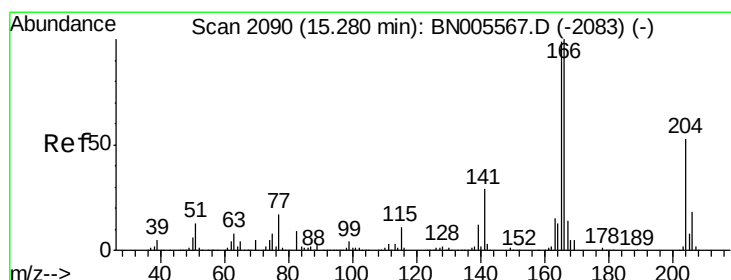
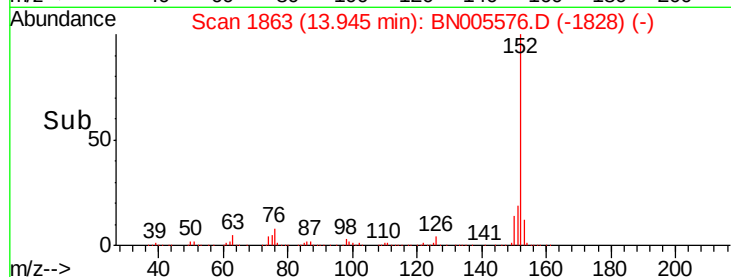
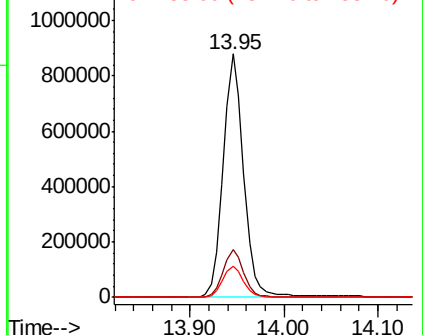
Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
1200000
Ion 151.00 (150.70 to 151.70): E
1000000
Ion 153.00 (152.70 to 153.70): E



#58

Fluorene

Concen: 1.202 ng/ul

RT: 15.30 min Scan# 2094

Delta R.T. 0.02 min

Lab File: BN005576.D

Acq: 09 May 2019 21:09

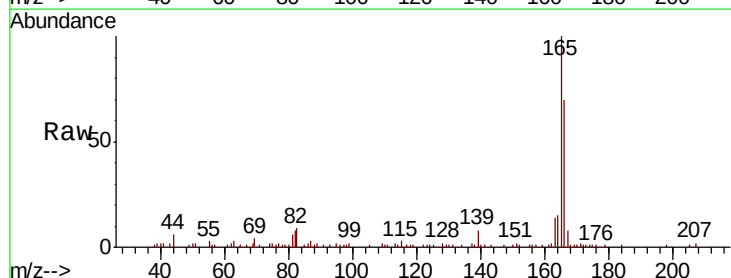
Tgt Ion:166 Resp: 72265

Ion Ratio Lower Upper

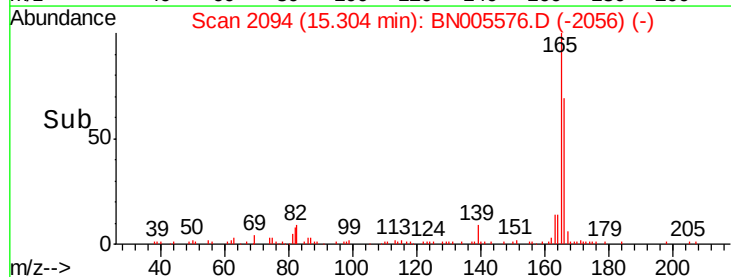
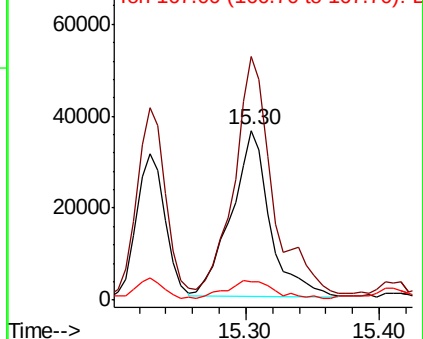
166 100

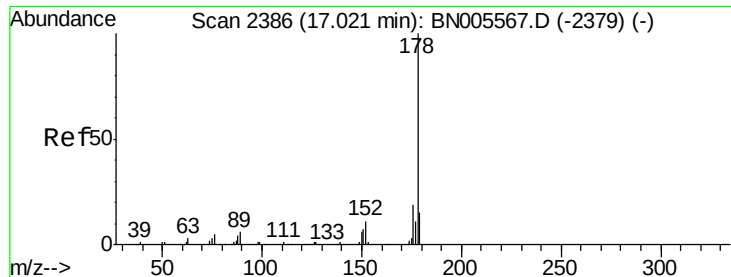
165 143.7 80.0 120.0#

167 11.1 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E
60000
Ion 165.00 (164.70 to 165.70): E
40000
Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 4.573 ng/ul

RT: 17.03 min Scan# 2387

Delta R.T. 0.01 min

Lab File: BN005576.D

Acq: 09 May 2019 21:09

Instrument :

BNA_N

ClientSampleId :

GAJ89

Tot Ion:178 Resp: 425476

Ion Ratio Lower Upper

178 100

179 15.3 12.2 18.4

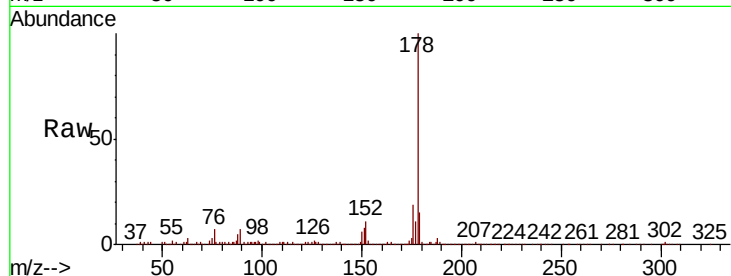
176 18.7 15.1 22.7

Manual Integrations

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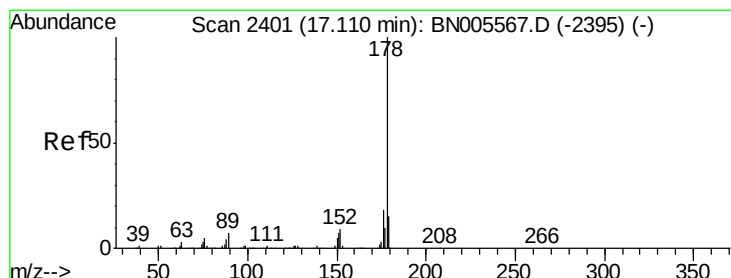
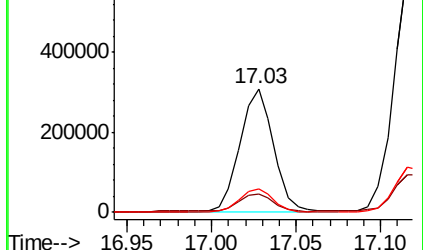
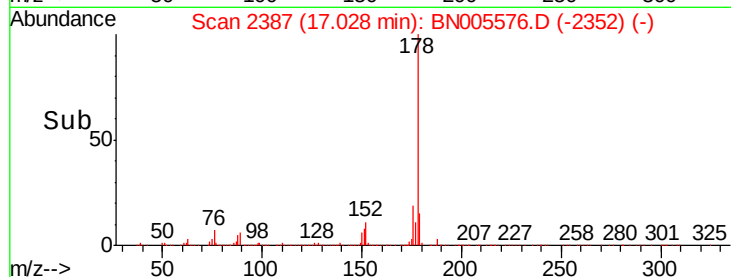
5/10/2019 1:19:40 PM



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: 9.717 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. 0.01 min

Lab File: BN005576.D

Acq: 09 May 2019 21:09

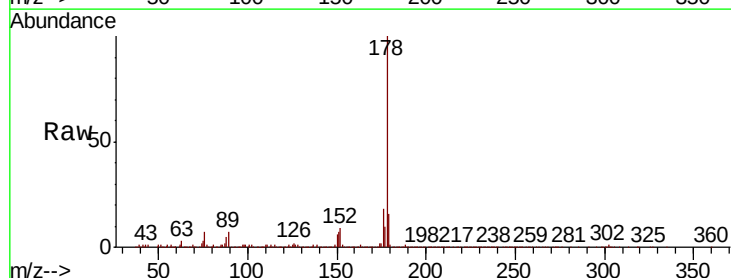
Tgt Ion:178 Resp: 920962

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

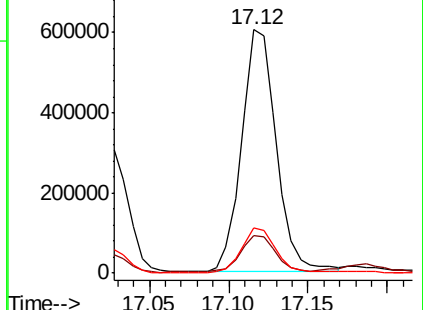
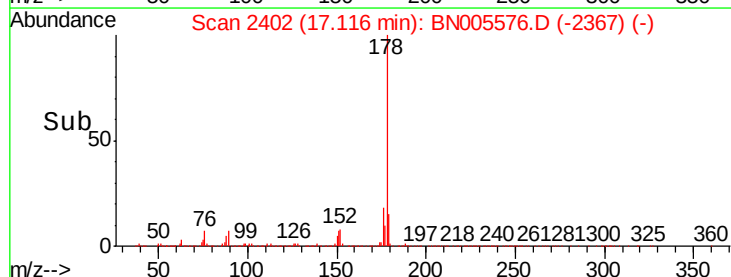
176 18.3 15.1 22.7

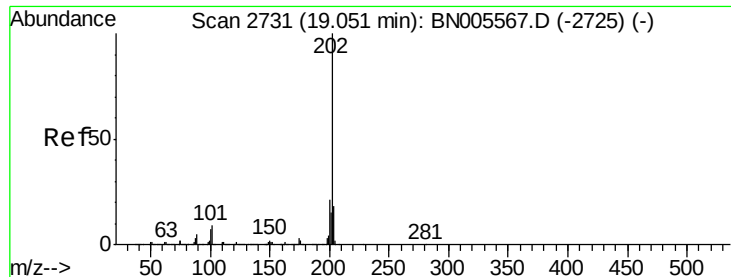


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





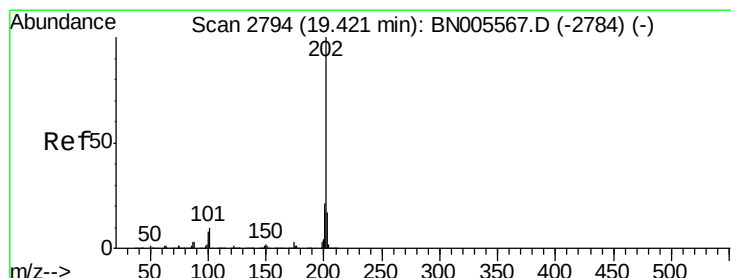
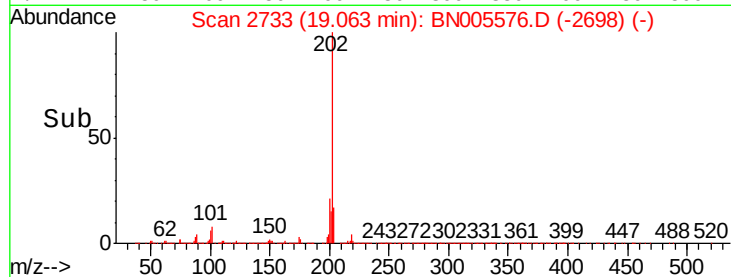
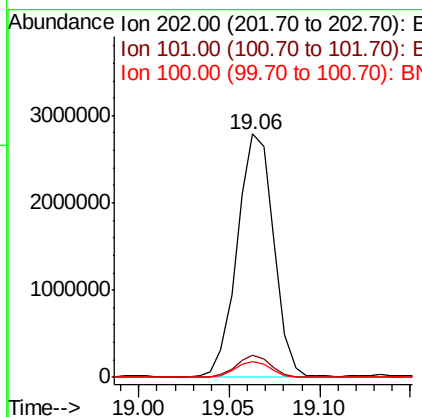
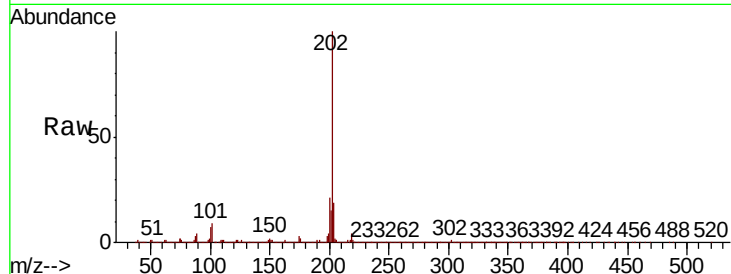
#76
Fluoranthene
Concen: 37.628 ng/ul
RT: 19.06 min Scan# 2733
Delta R.T. 0.01 min
Lab File: BN005576.D
Acq: 09 May 2019 21:09

Instrument :
BNA_N
ClientSampleId :
GAJ89

Tot Ion	Ratio	Lower	Upper
202	100		
101	9.0	8.6	12.8
100	6.6	6.3	9.5

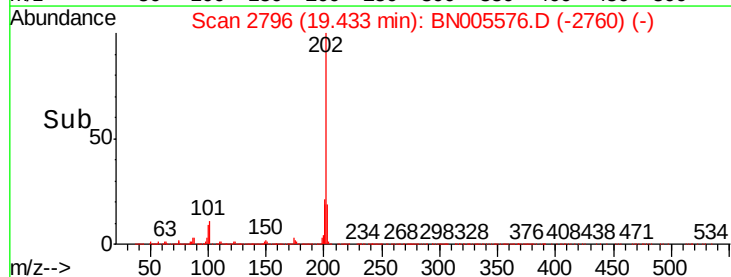
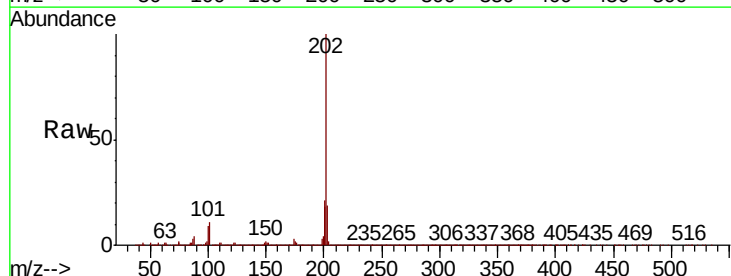
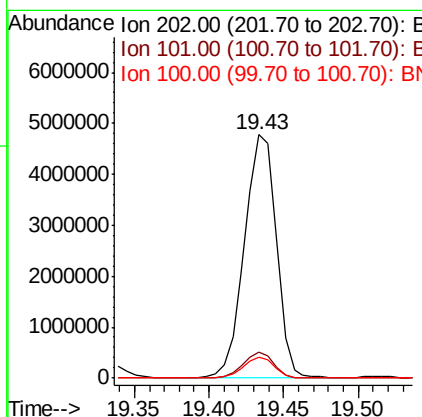
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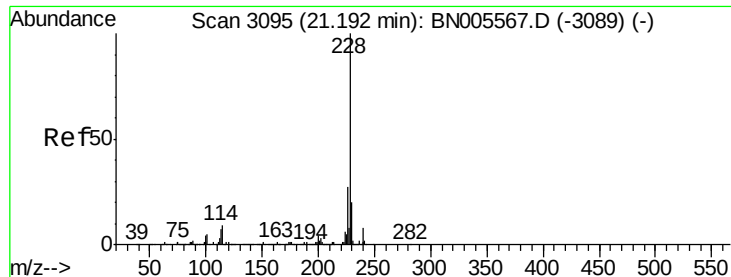
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#79
Pyrene
Concen: 90.852 ng/ul
RT: 19.43 min Scan# 2796
Delta R.T. 0.01 min
Lab File: BN005576.D
Acq: 09 May 2019 21:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	10.3	15.5
100	8.7	7.9	11.9





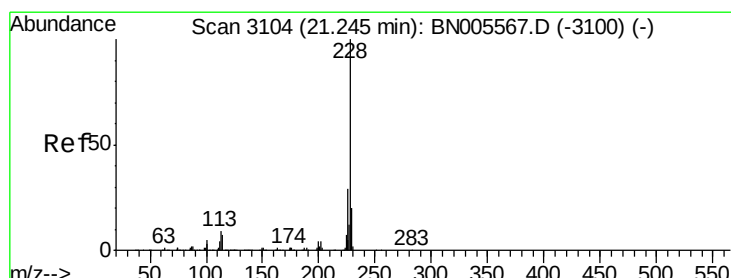
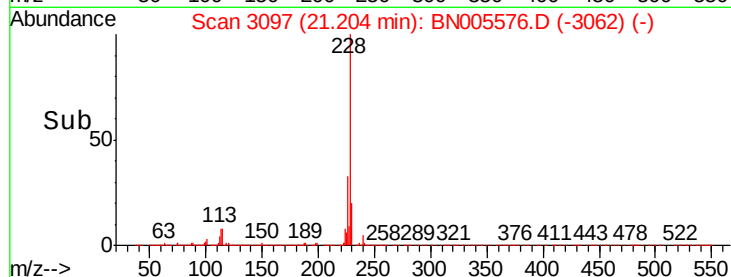
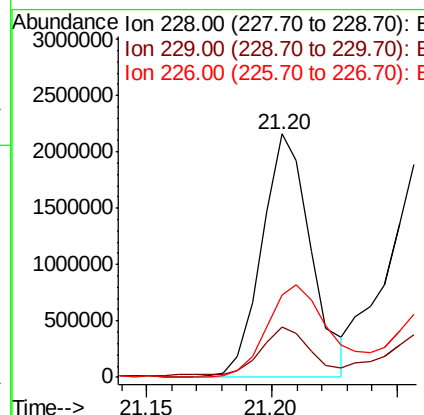
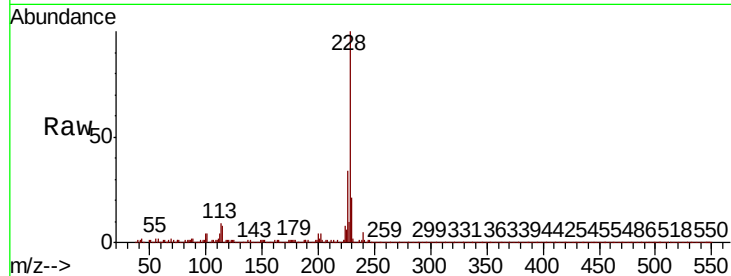
#82
Benzo(a)anthracene
Concen: 39.209 ng/ul m
RT: 21.20 min Scan# 3097
Delta R.T. 0.01 min
Lab File: BN005576.D
Acq: 09 May 2019 21:09

Instrument :
BNA_N
ClientSampled :
GAJ89

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.8	23.6
226	33.9	21.4	32.2

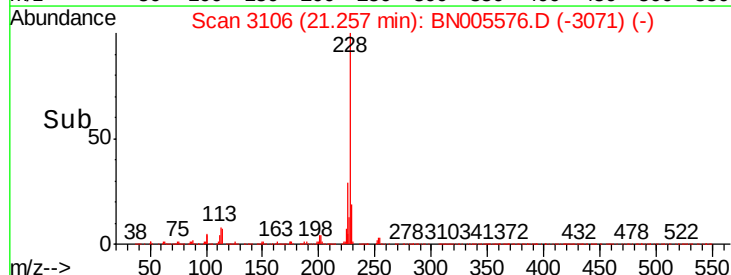
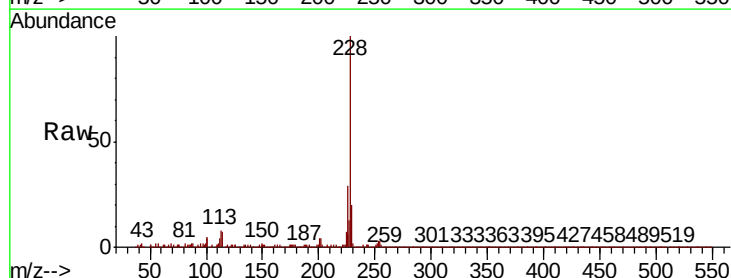
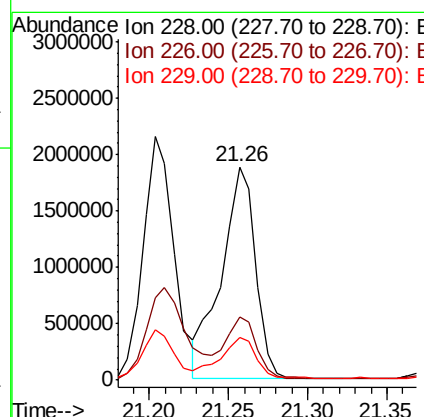
Manual Integrations
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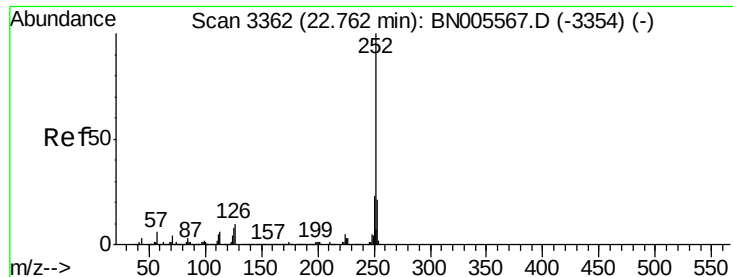
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#84
Chrysene
Concen: 40.836 ng/ul
RT: 21.26 min Scan# 3106
Delta R.T. 0.01 min
Lab File: BN005576.D
Acq: 09 May 2019 21:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.0	36.0
229	20.2	15.4	23.0





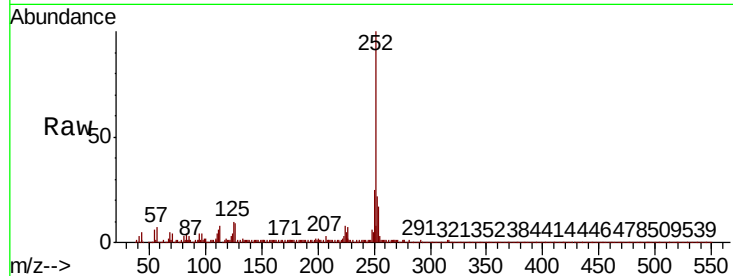
#87
Benzo(b)fluoranthene
Concen: 36.686 ng/ul
RT: 22.79 min Scan# 3366
Delta R.T. 0.02 min
Lab File: BN005576.D
Acq: 09 May 2019 21:09

Instrument :
BNA_N
ClientSampleId :
GAJ89

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.9	8.4	12.6

Manual Integrations
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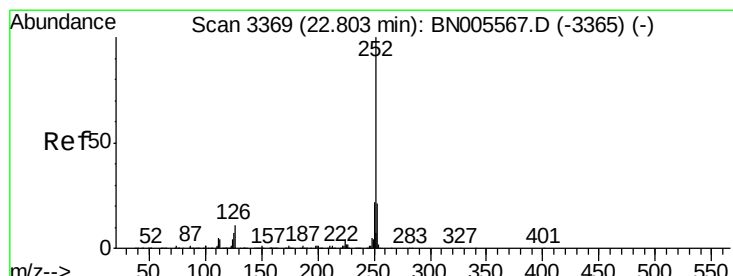
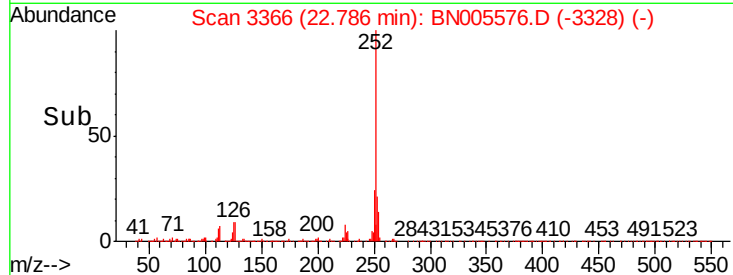
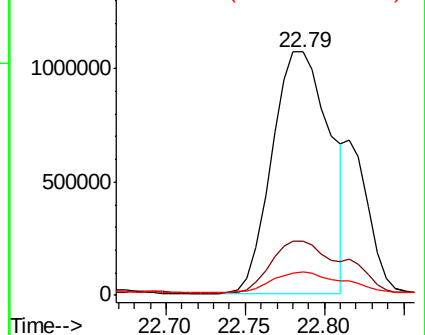


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 9.724 ng/ul m
RT: 22.82 min Scan# 3371
Delta R.T. 0.01 min
Lab File: BN005576.D
Acq: 09 May 2019 21:09

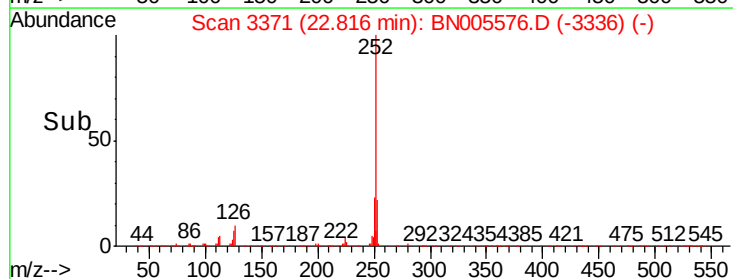
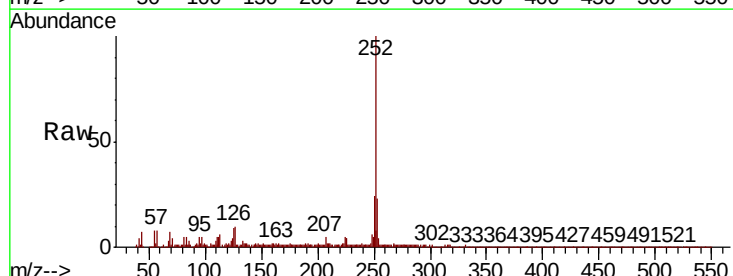
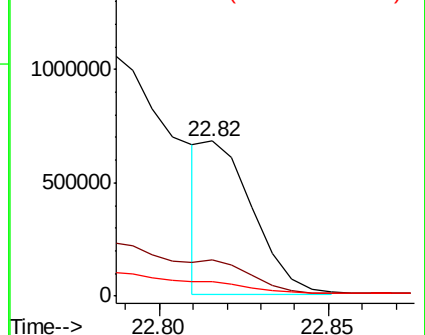
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	9.2	7.5	11.3

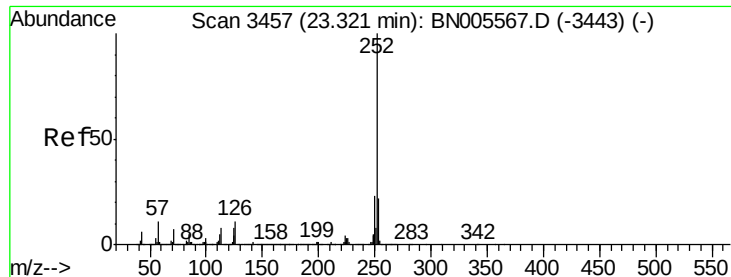
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 31.572 ng/ul m

RT: 23.34 min Scan# 3460

Delta R.T. 0.01 min

Lab File: BN005576.D

Acq: 09 May 2019 21:09

Instrument :

BNA_N

ClientSampleId :

GAJ89

Tot Ion:252 Resp: 2191969

Ion Ratio Lower Upper

252 100

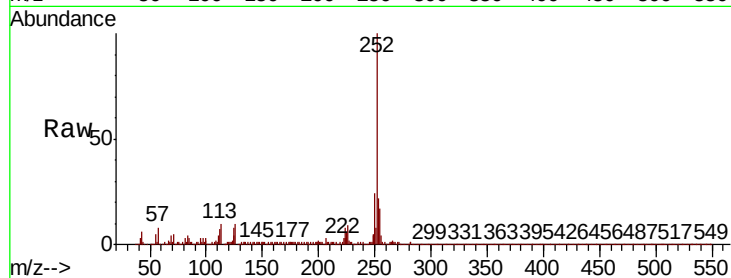
253 21.9 17.3 25.9

125 8.3 8.6 13.0#

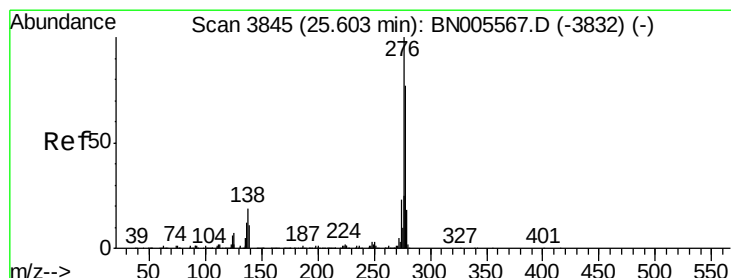
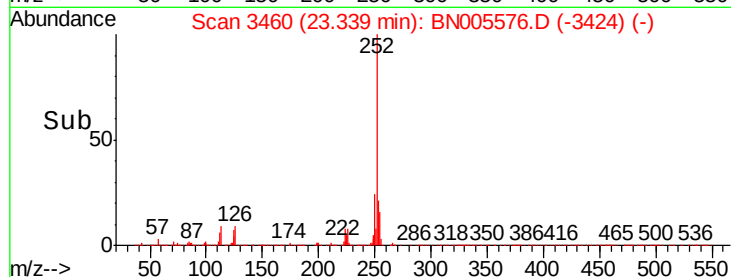
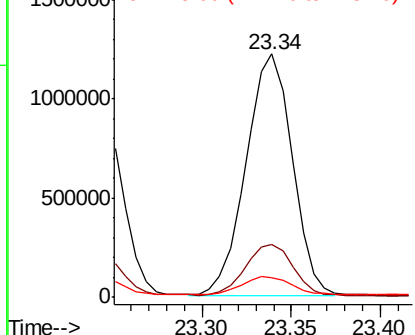
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Indeno(1,2,3-cd)pyrene

Concen: 16.931 ng/ul

RT: 25.63 min Scan# 3849

Delta R.T. 0.02 min

Lab File: BN005576.D

Acq: 09 May 2019 21:09

Tgt Ion:276 Resp: 1299617

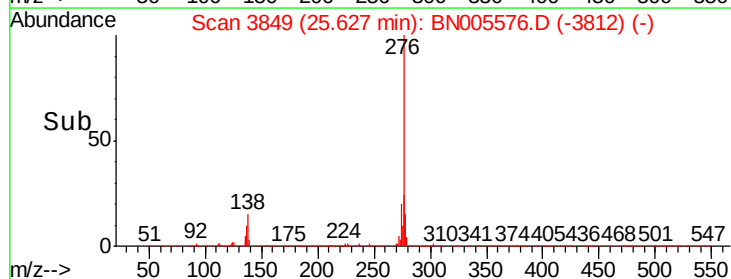
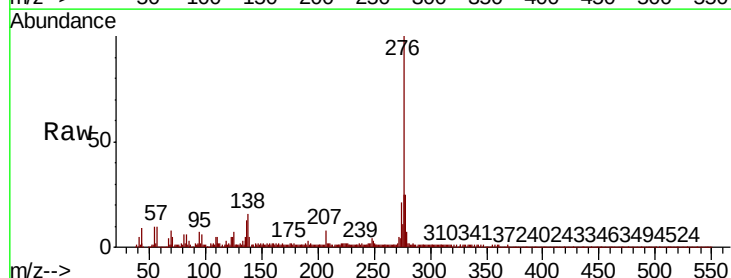
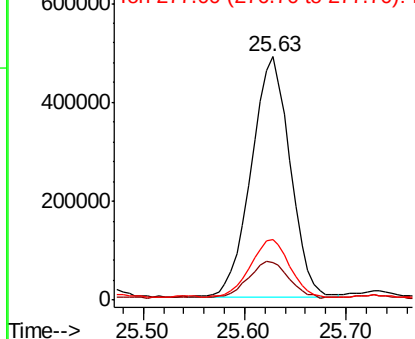
Ion Ratio Lower Upper

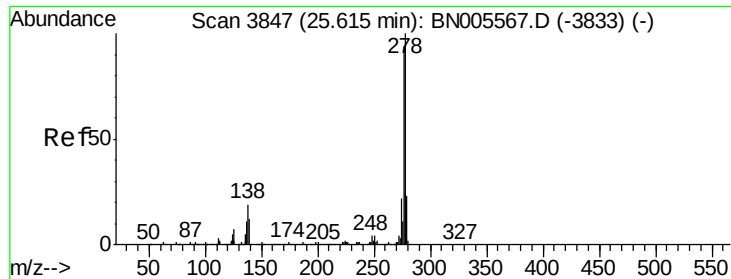
276 100

138 15.5 17.9 26.9#

277 24.7 19.7 29.5

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





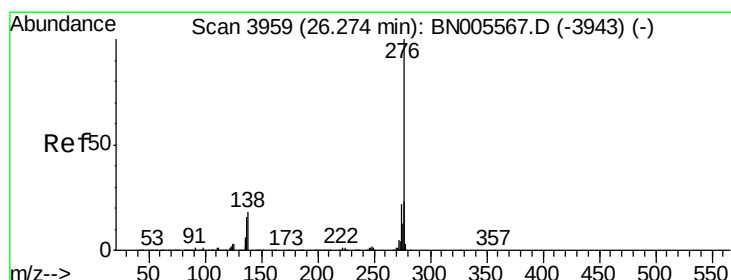
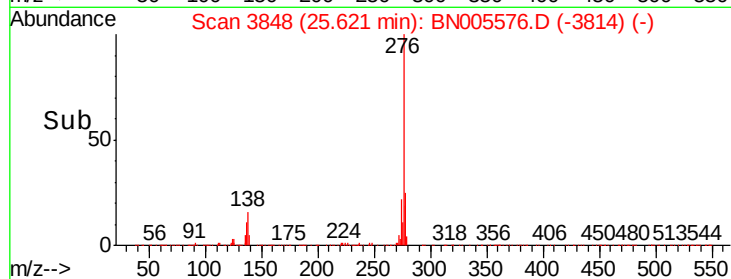
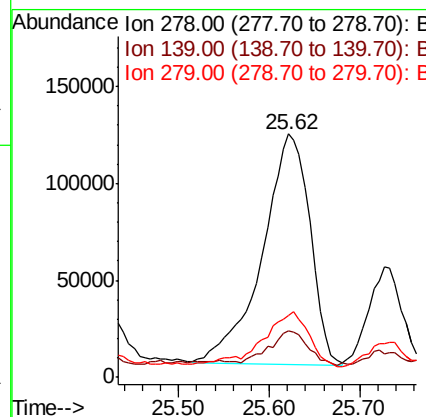
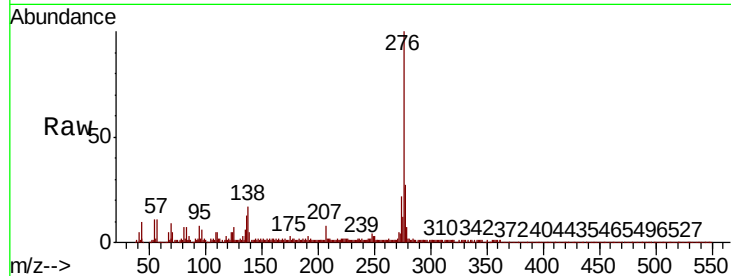
#92
Dibenzo(a,h)anthracene
Concen: 6.696 ng/ul
RT: 25.62 min Scan# 3848
Delta R.T. 0.00 min
Lab File: BN005576.D
Acq: 09 May 2019 21:09

Instrument :
BNA_N
ClientSampleId :
GAJ89

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.9	13.1	19.7
279	25.6	19.4	29.0

Manual Integrations
APPROVED

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



#93
Benzo(g,h,i)perylene
Concen: 20.680 ng/ul
RT: 26.30 min Scan# 3963
Delta R.T. 0.02 min
Lab File: BN005576.D
Acq: 09 May 2019 21:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.5	16.7	25.1#
277	23.9	18.2	27.2

