

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042419\
 Data File : BN005272.D
 Acq On : 25 Apr 2019 04:33
 Operator : JU/SJ
 Sample : K2455-02 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GAHQ4

Manual Integrations
 APPROVED

Sohil
 4/25/2019 5:35:09 PM

Quant Time: Apr 25 07:04:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 25 03:19:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	476055	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	1788920m	20.00	ng/ul	0.05
35) Acenaphthene-d10	14.24	164	1445253	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2882427	20.00	ng/ul	0.00
77) Chrysene-d12	21.22	240	2105027	20.00	ng/ul	0.00
85) Perylene-d12	23.42	264	2108114	20.00	ng/ul	-0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	6512	0.66	ng/uL	0.00
5) Phenol-d5	6.78	99	151890	4.06	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	99933	4.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	124241	4.34	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	129515	4.43	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	93346	8.48	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	63309m	5.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.00	165	134957	5.27	ng/ul	0.01
29) 4-Chloroaniline-d4	10.52	131	157949m	5.99	ng/ul	0.02
43) Dimethylphthalate-d6	13.66	166	475793	4.54	ng/ul	0.01
46) Acenaphthylene-d8	13.94	160	523583	4.06	ng/ul	0.02
51) 4-Nitrophenol-d4	14.45	143	94259	5.69	ng/ul	0.01
57) Fluorene-d10	15.24	176	394243	4.48	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.39	200	14074m	1.09	ng/ul	0.04
70) Anthracene-d10	17.10	188	574479	4.75	ng/ul	0.02
78) Pyrene-d10	19.40	212	600118	5.57	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.28	264	436566	4.74	ng/ul	-0.02

Target Compounds

						Ovalue
28) Naphthalene	10.42	128	65363958m	785.965	ng/ul	
34) 2-Methylnaphthalene	12.05	142	56174773m	922.507	ng/ul	
40) 1,1'-Biphenyl	13.07	154	12425998	115.392	ng/ul	96
44) Dimethylphthalate	13.71	163	117401	1.123	ng/ul#	95
47) Acenaphthylene	13.97	152	21568846m	170.325	ng/ul	
49) Acenaphthene	14.30	153	4448462	51.456	ng/ul	99
53) Dibenzofuran	14.65	168	4841576	38.898	ng/ul	93
58) Fluorene	15.30	166	18364513	189.080	ng/ul#	99
69) Phenanthrene	17.03	178	34310005m	244.410	ng/ul	
71) Anthracene	17.13	178	8406591	58.786	ng/ul	98
76) Fluoranthene	19.07	202	16332546m	104.893	ng/ul	
79) Pyrene	19.43	202	20498712m	151.242	ng/ul	
82) Benzo(a)anthracene	21.20	228	9466931m	72.292	ng/ul	
84) Chrysene	21.26	228	8343081	68.646	ng/ul	97
87) Benzo(b)fluoranthene	22.77	252	5173272m	43.655	ng/ul	
88) Benzo(k)fluoranthene	22.80	252	1630044m	14.403	ng/ul	
90) Benzo(a)pyrene	23.32	252	3294423	29.576	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.59	276	2010190	16.323	ng/ul	95
92) Dibenzo(a,h)anthracene	25.60	278	659909	6.314	ng/ul	97
93) Benzo(g,h,i)perylene	26.26	276	1550500	15.227	ng/ul	97

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

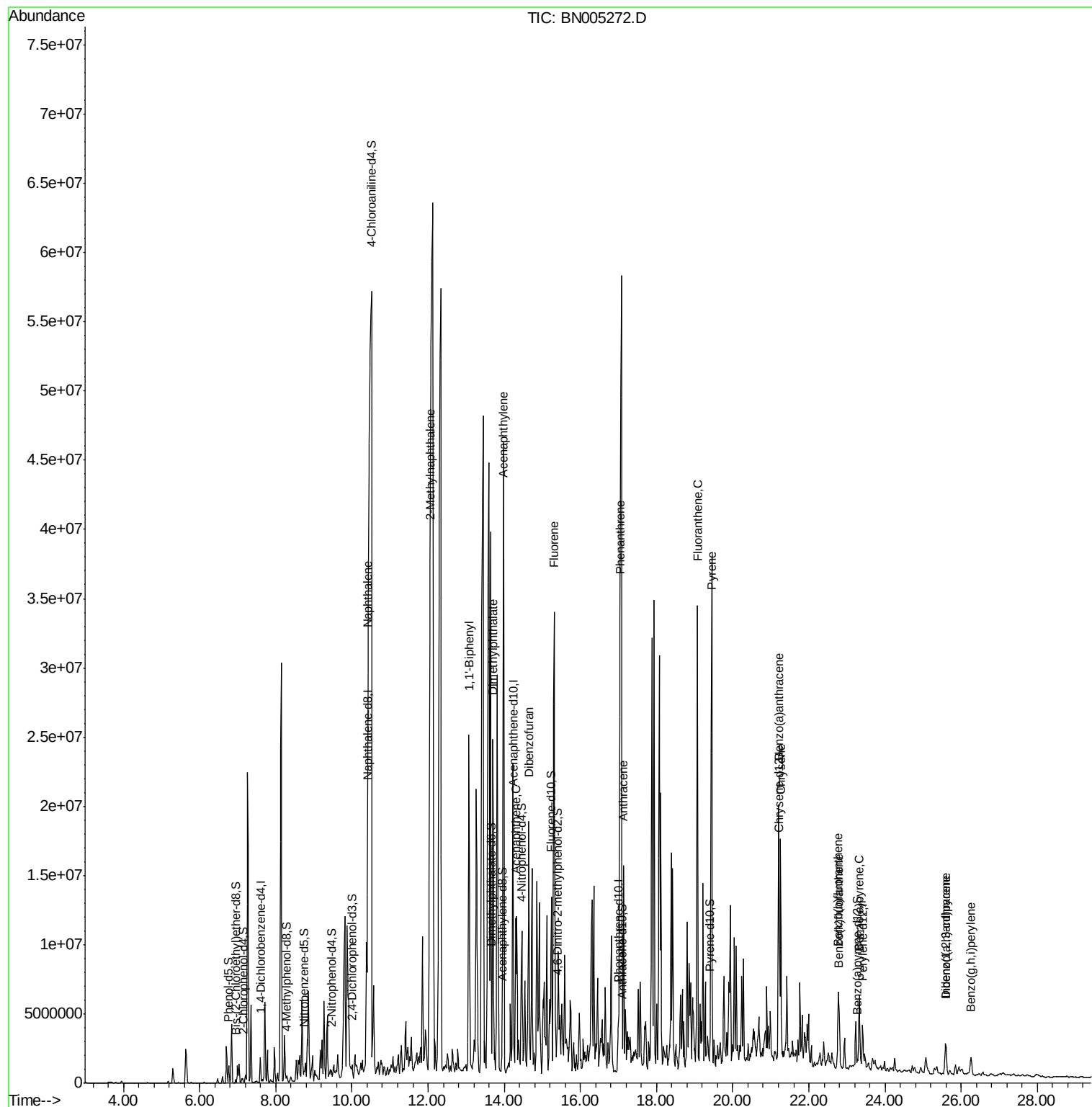
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042419\
Data File : BN005272.D
Acq On : 25 Apr 2019 04:33
Operator : JU/SJ
Sample : K2455-02 5X
Misc :
ALS Vial : 28 Sample Multiplier: 1

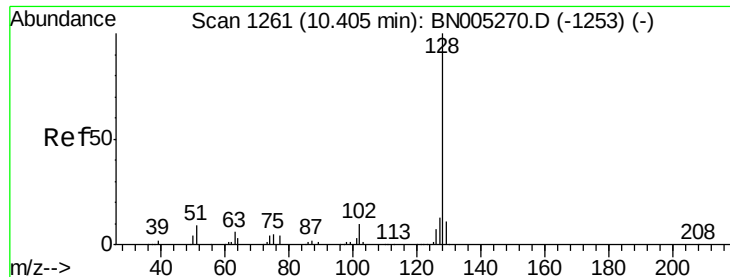
Instrument :
BNA_N
ClientSampleId :
GAHQ4

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Quant Time: Apr 25 07:04:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
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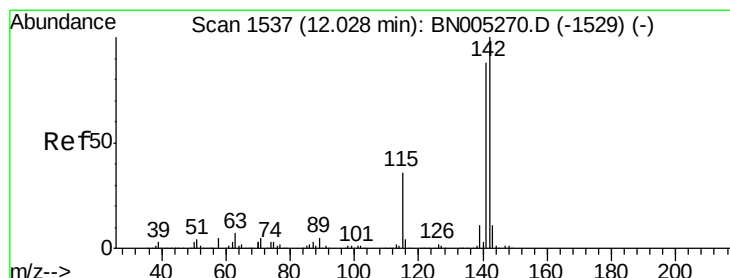
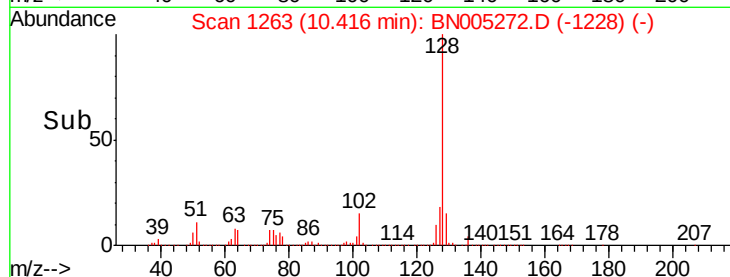
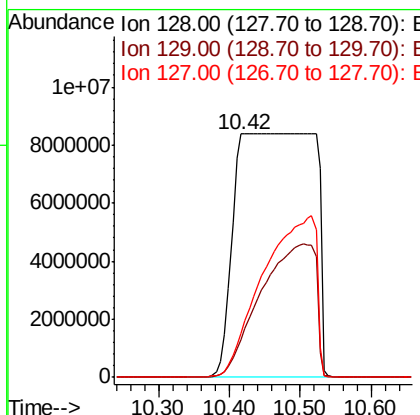
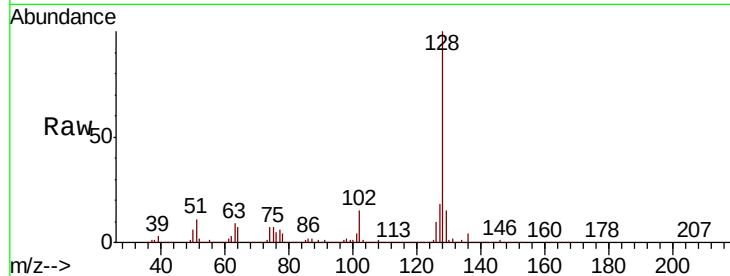
#28
Naphthalene
Concen: 785.965 ng/ul m
RT: 10.42 min Scan# 1263
Delta R.T. 0.01 min
Lab File: BN005272.D
Acq: 25 Apr 2019 04:33

Instrument :
BNA_N
ClientSampled :
GAHQ4

Tot Ion:128 Resp:65363958
Ion Ratio Lower Upper
128 100
129 15.5 9.2 13.8#
127 17.9 10.7 16.1#

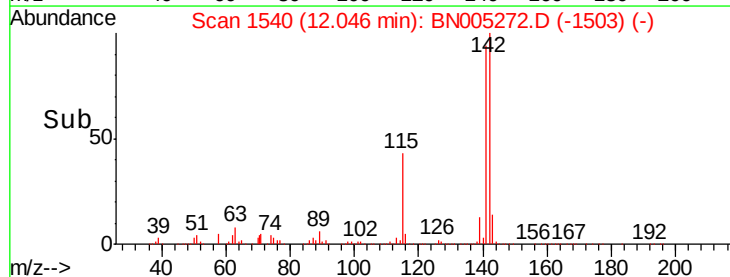
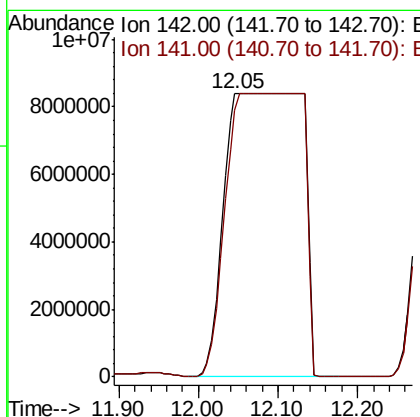
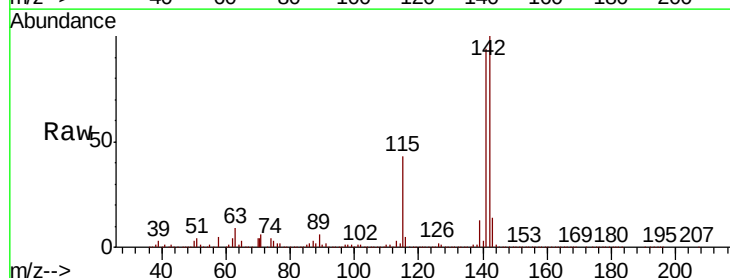
Manual Integrations
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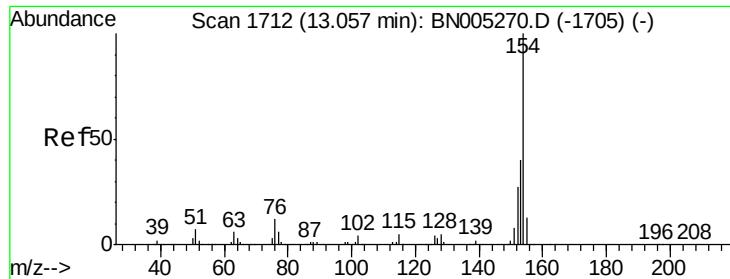
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#34
2-Methylnaphthalene
Concen: 922.507 ng/ul m
RT: 12.05 min Scan# 1540
Delta R.T. 0.02 min
Lab File: BN005272.D
Acq: 25 Apr 2019 04:33

Tgt Ion:142 Resp:56174773
Ion Ratio Lower Upper
142 100
141 94.1 72.0 108.0





#40

1,1'-Biphenyl

Concen: 115.392 ng/ul

RT: 13.07 min Scan# 1715

Delta R.T. 0.02 min

Lab File: BN005272.D

Acq: 25 Apr 2019 04:33

Instrument :

BNA_N

ClientSampled :

GAHQ4

Tot Ion:154 Resp:12425998

Ion Ratio Lower Upper

154 100

153 43.5 32.6 49.0

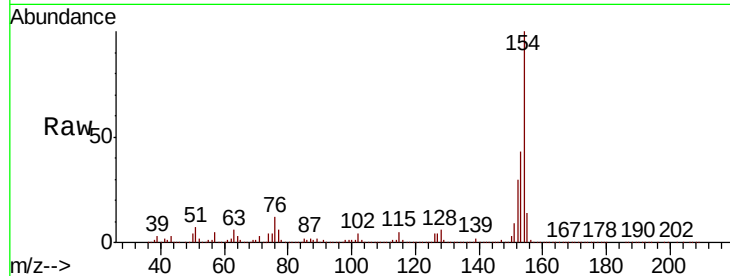
76 12.4 10.4 15.6

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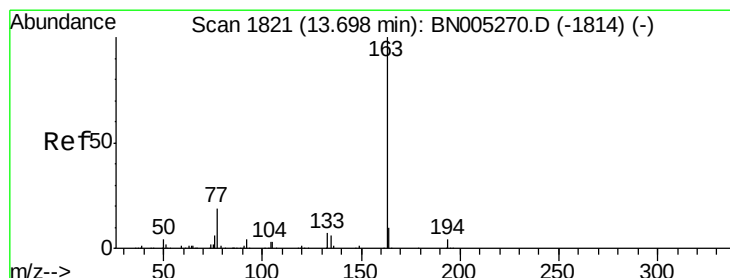
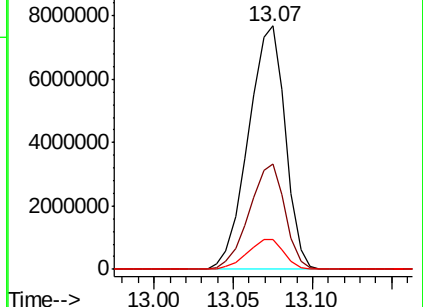
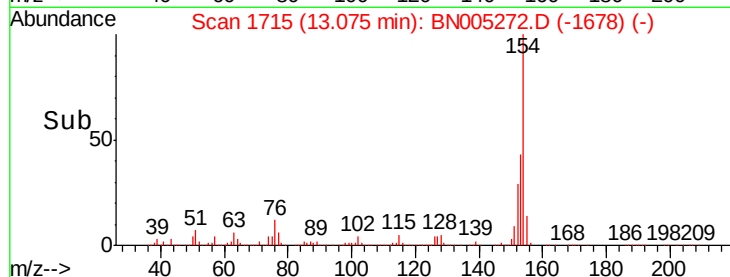
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BNO



#44

Dimethylphthalate

Concen: 1.123 ng/ul

RT: 13.71 min Scan# 1823

Delta R.T. 0.01 min

Lab File: BN005272.D

Acq: 25 Apr 2019 04:33

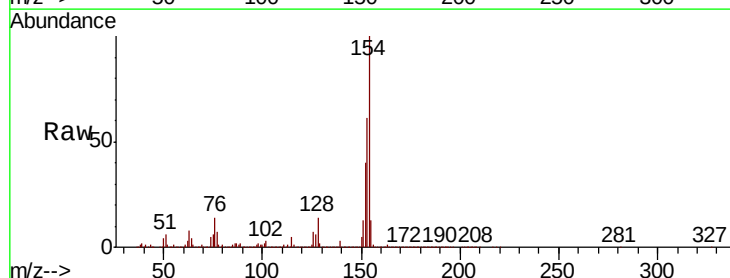
Tgt Ion:163 Resp: 117401

Ion Ratio Lower Upper

163 100

194 4.9 3.4 5.0

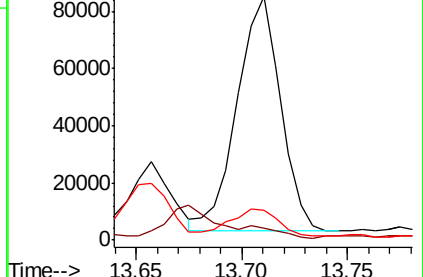
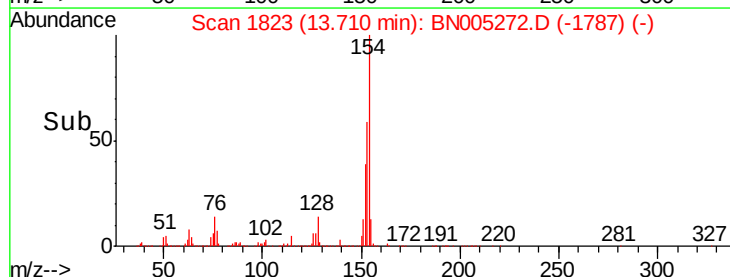
164 12.2 8.1 12.1#

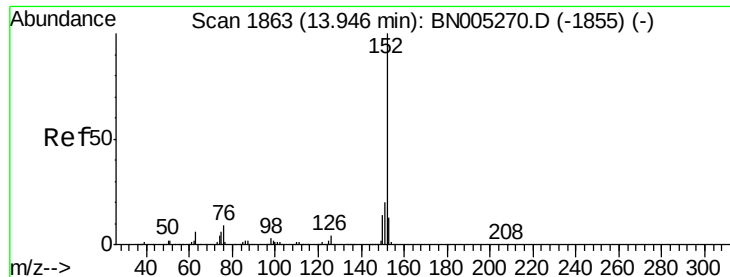


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 170.325 ng/ul m

RT: 13.97 min Scan# 1867

Delta R.T. 0.02 min

Lab File: BN005272.D

Acq: 25 Apr 2019 04:33

Instrument :

BNA_N

ClientSampled :

GAHQ4

Tot Ion:152 Resp:21568846

Ion Ratio Lower Upper

152 100

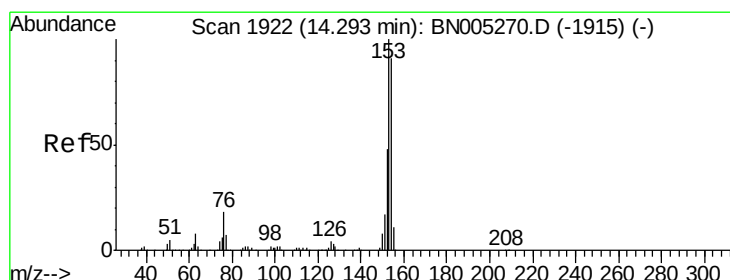
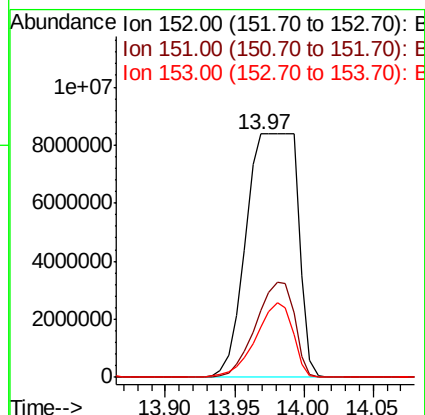
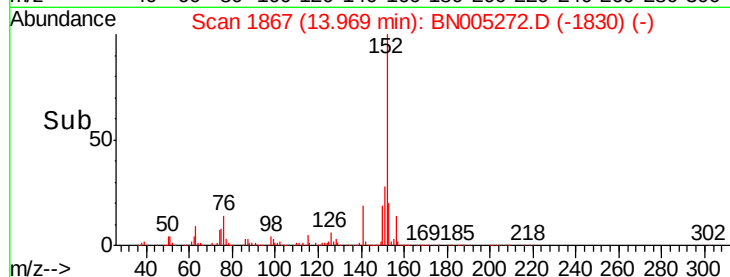
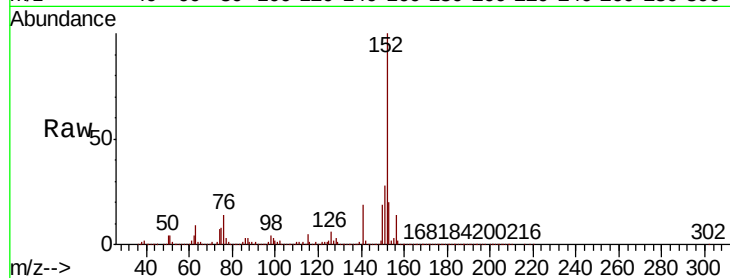
151 27.5 15.8 23.8#

153 20.4 9.8 14.8#

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#49

Acenaphthene

Concen: 51.456 ng/ul

RT: 14.30 min Scan# 1924

Delta R.T. 0.01 min

Lab File: BN005272.D

Acq: 25 Apr 2019 04:33

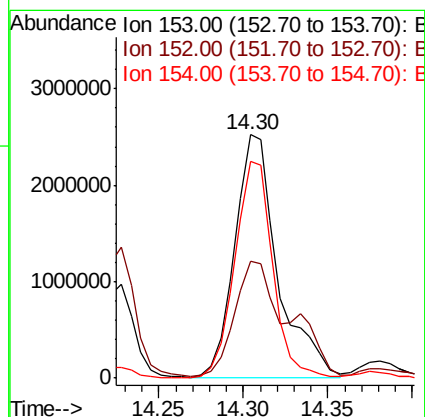
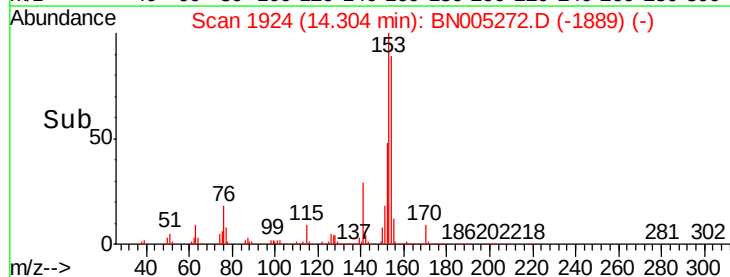
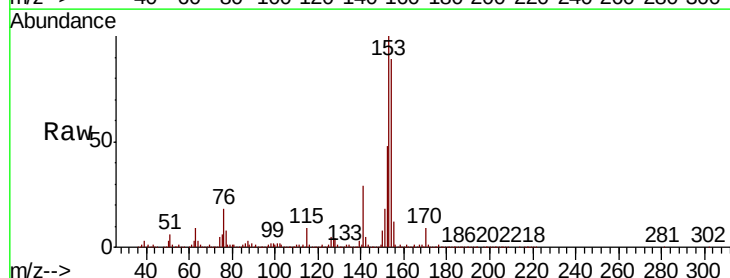
Tgt Ion:153 Resp: 4448462

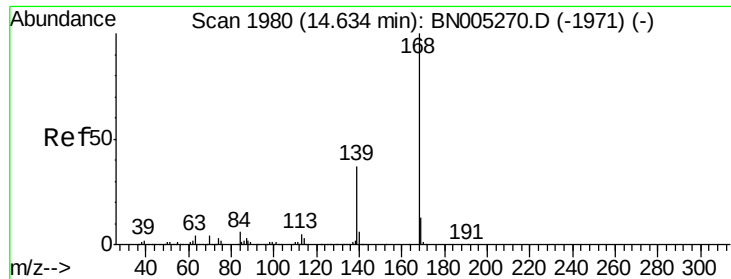
Ion Ratio Lower Upper

153 100

152 48.2 37.4 56.0

154 88.8 71.2 106.8





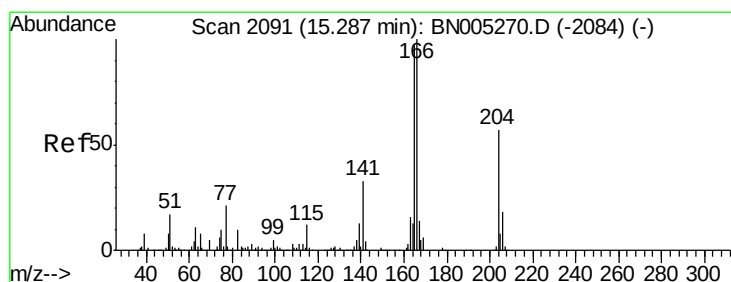
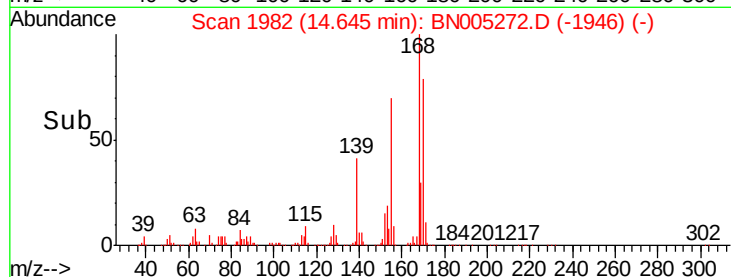
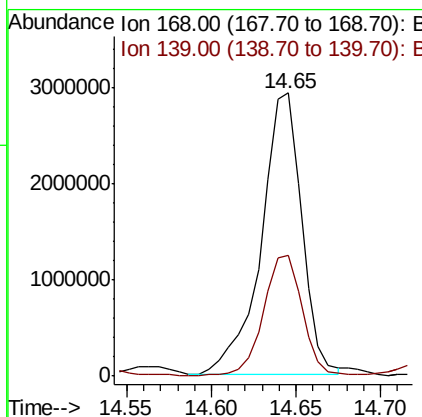
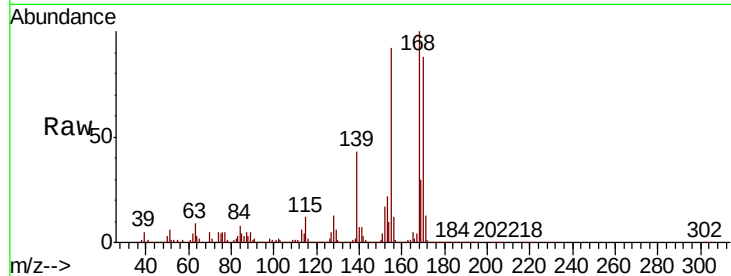
#53
Dibenzenofuran
Concen: 38.898 ng/ul
RT: 14.65 min Scan# 1982
Delta R.T. 0.01 min
Lab File: BN005272.D
Acq: 25 Apr 2019 04:33

Instrument :
BNA_N
ClientSampleId :
GAHQ4

Tot Ion:168 Resp: 4841576
Ion Ratio Lower Upper
168 100
139 42.7 30.9 46.3

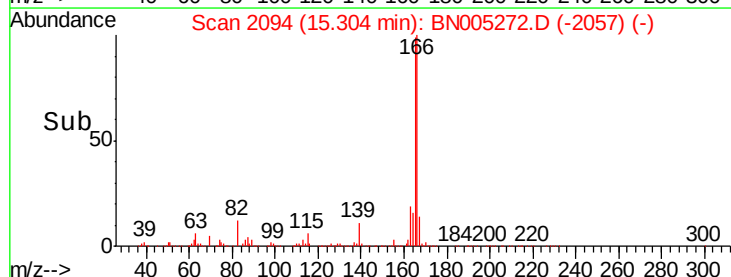
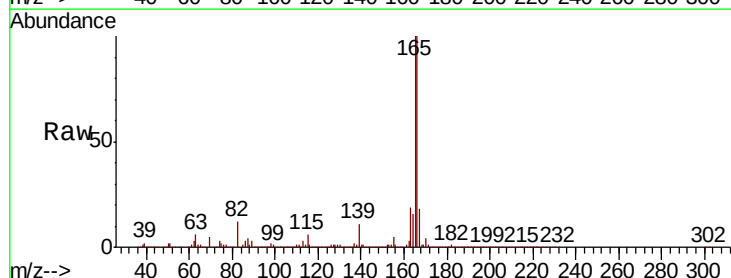
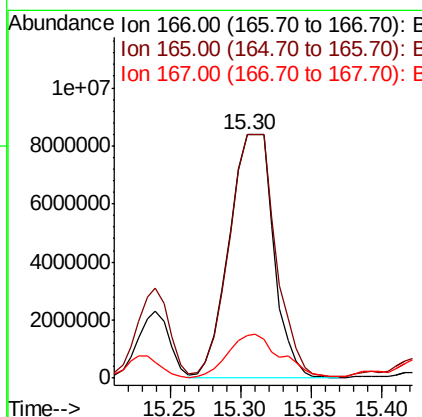
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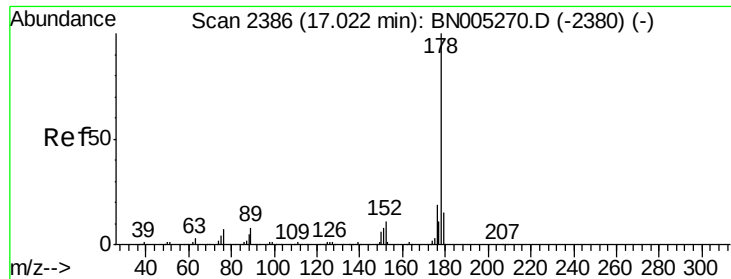
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#58
Fluorene
Concen: 189.080 ng/ul
RT: 15.30 min Scan# 2094
Delta R.T. 0.02 min
Lab File: BN005272.D
Acq: 25 Apr 2019 04:33

Tgt Ion:166 Resp:18364513
Ion Ratio Lower Upper
166 100
165 100.0 80.0 120.0
167 17.6 10.7 16.1#





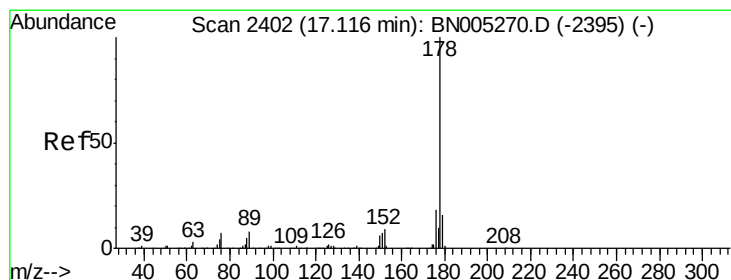
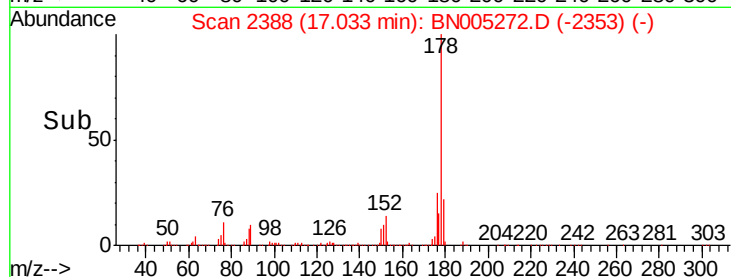
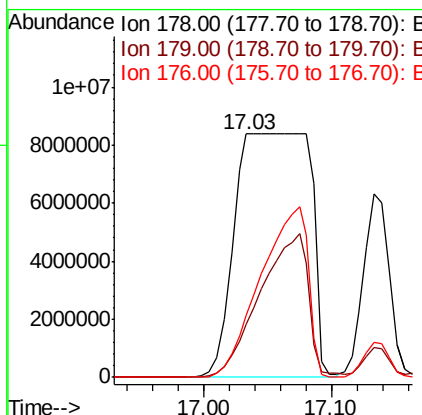
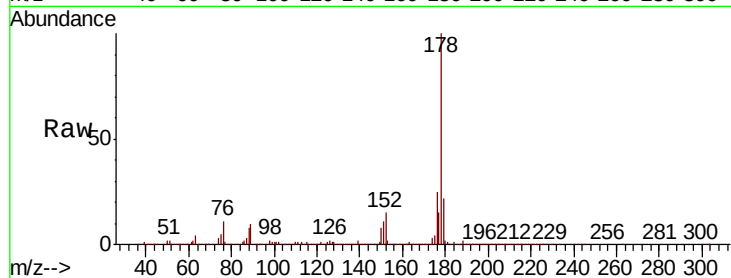
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Phenanthrene
Concen: 244.410 ng/ul m
RT: 17.03 min Scan# 2388
Delta R.T. 0.01 min
Lab File: BN005272.D
Acq: 25 Apr 2019 04:33

Instrument :
BNA_N
ClientSampled :
GAHQ4

Tot Ion:178 Resp:34310005
Ion Ratio Lower Upper
178 100
179 21.7 12.2 18.4#
176 25.2 15.1 22.7#

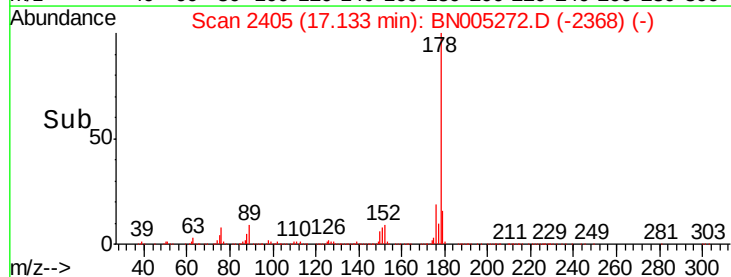
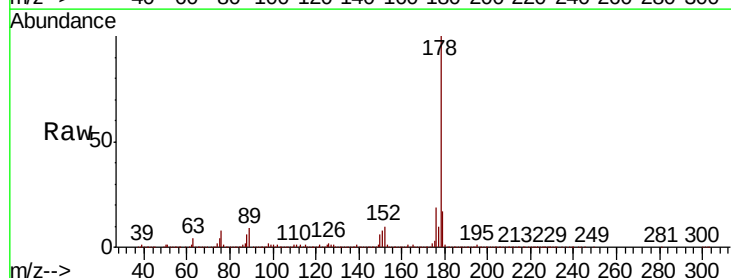
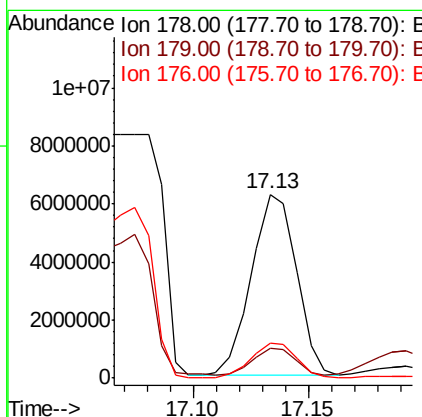
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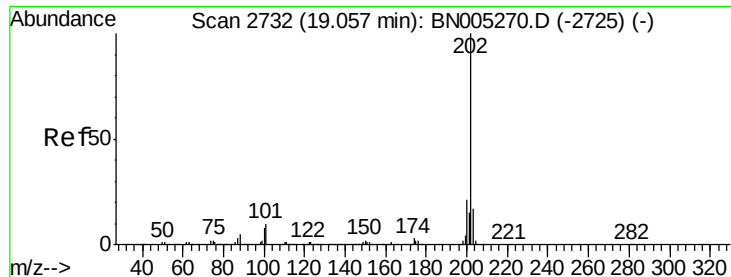
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#71
Anthracene
Concen: 58.786 ng/ul
RT: 17.13 min Scan# 2405
Delta R.T. 0.02 min
Lab File: BN005272.D
Acq: 25 Apr 2019 04:33

Tgt Ion:178 Resp: 8406591
Ion Ratio Lower Upper
178 100
179 16.6 12.3 18.5
176 19.2 15.1 22.7





#76

Fluoranthene

Concen: 104.893 ng/ul m

RT: 19.07 min Scan# 2734

Delta R.T. 0.01 min

Lab File: BN005272.D

Acq: 25 Apr 2019 04:33

Instrument :

BNA_N

ClientSampled :

GAHQ4

Tot Ion:202 Resp:16332546

Ion Ratio Lower Upper

202 100

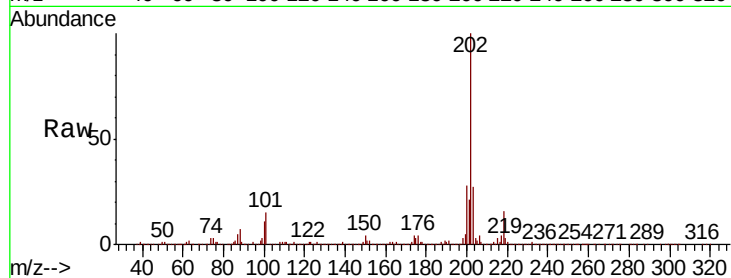
101 14.6 8.6 12.8#

100 10.6 6.3 9.5#

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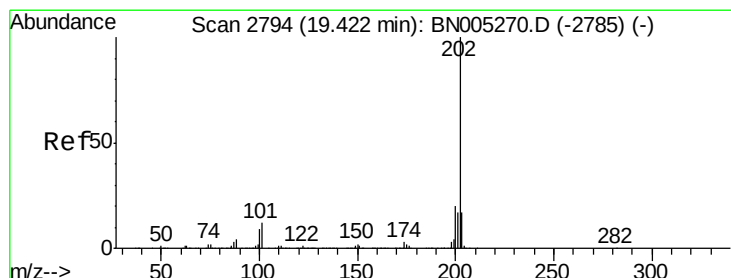
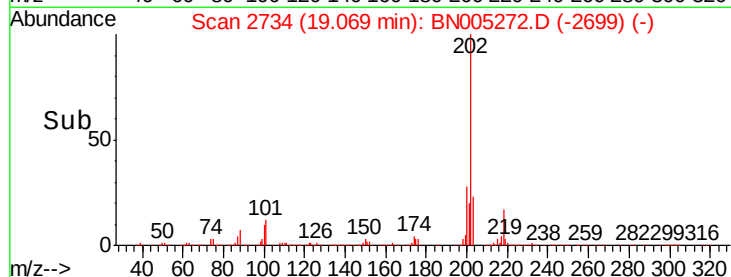
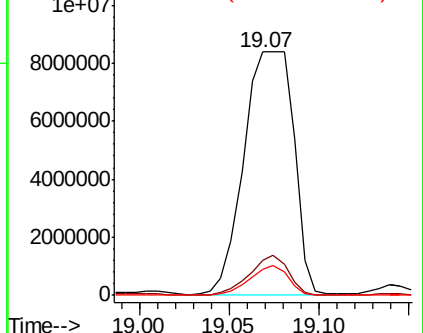
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#79

Pyrene

Concen: 151.242 ng/ul m

RT: 19.43 min Scan# 2796

Delta R.T. 0.01 min

Lab File: BN005272.D

Acq: 25 Apr 2019 04:33

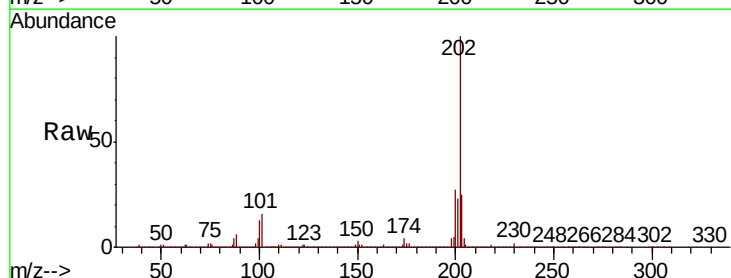
Tgt Ion:202 Resp:20498712

Ion Ratio Lower Upper

202 100

101 15.6 10.3 15.5#

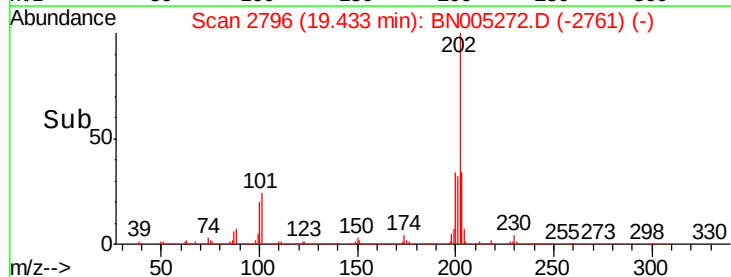
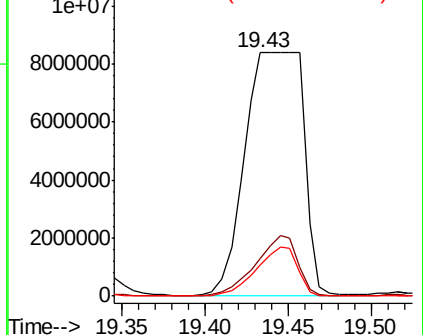
100 12.7 7.9 11.9#

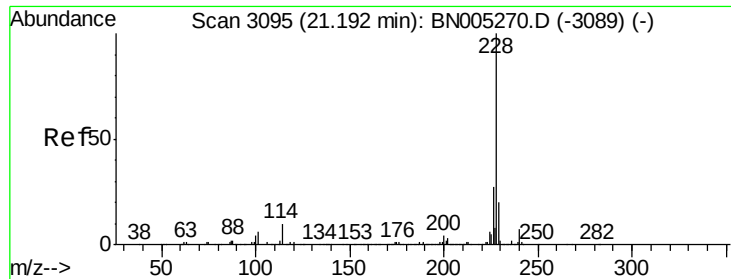


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 72.292 ng/ul

RT: 21.20 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BN005272.D

Acq: 25 Apr 2019 04:33

Instrument :

BNA_N

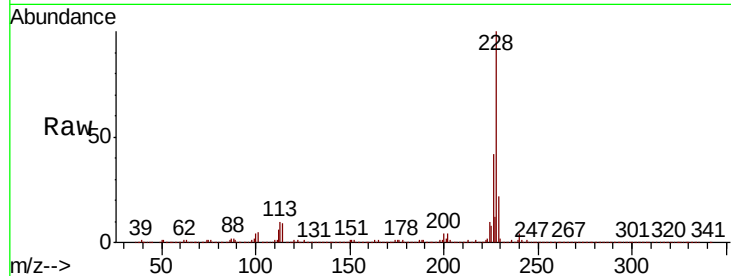
ClientSampleId :

GAHQ4

Tot Ion:	228	Resp:	9466931
Ion	Ratio	Lower	Upper
228	100		
229	22.1	15.8	23.6
226	41.9	21.4	32.2#

Manual Integrations
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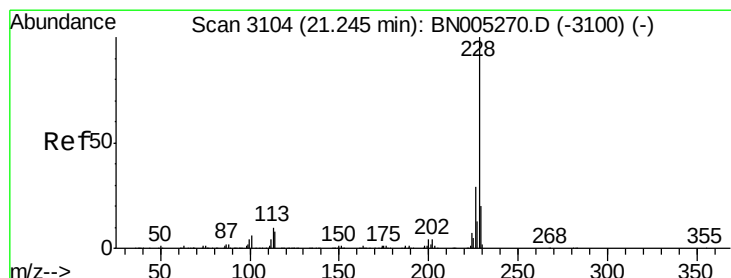
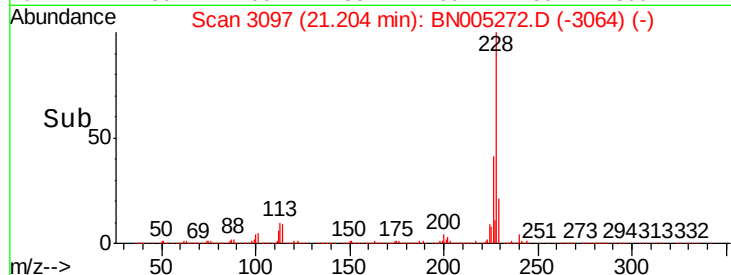
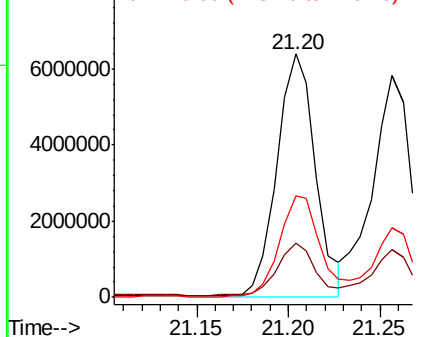


Abundance

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: 68.646 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. -0.01 min

Lab File: BN005272.D

Acq: 25 Apr 2019 04:33

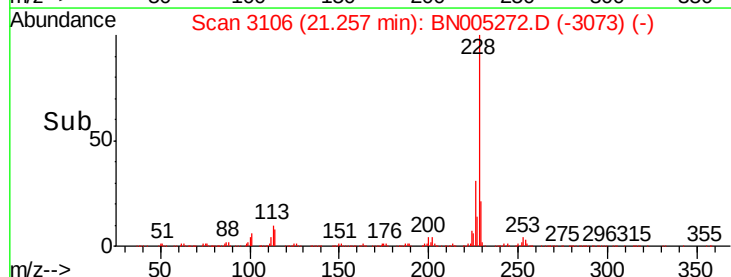
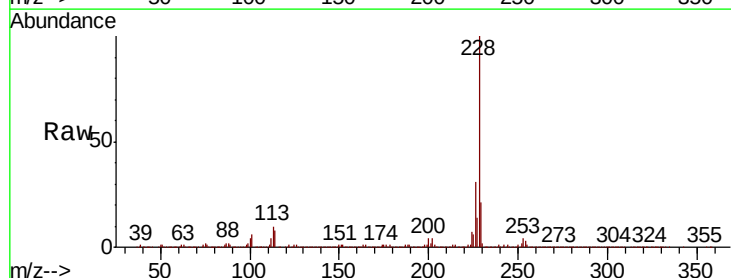
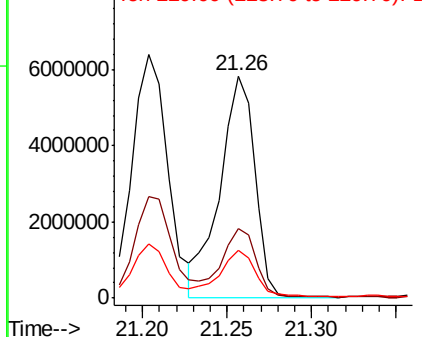
Tgt Ion:	228	Resp:	8343081
Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.0	36.0
229	21.4	15.4	23.0

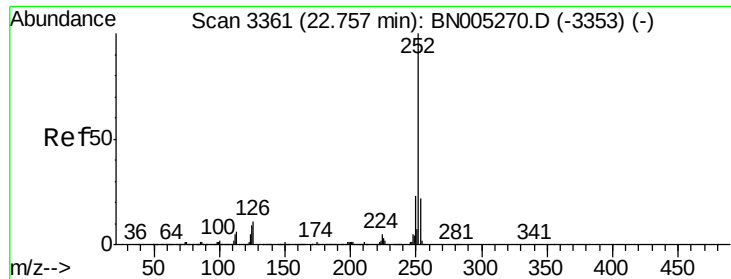
Abundance

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





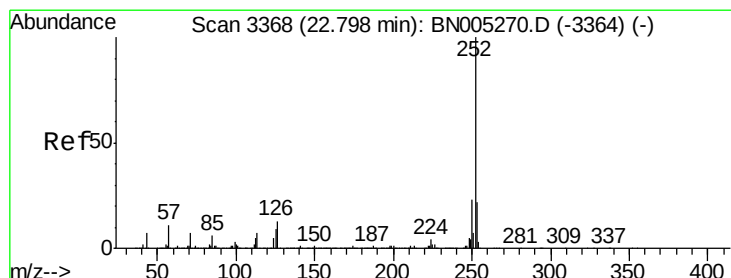
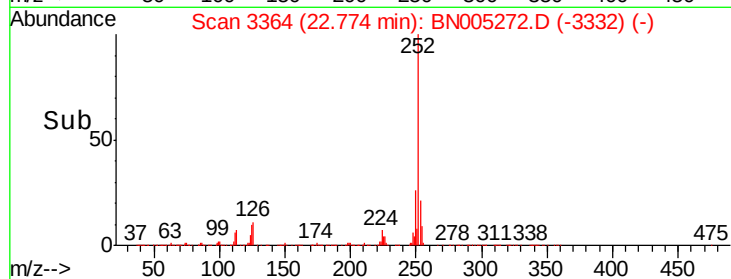
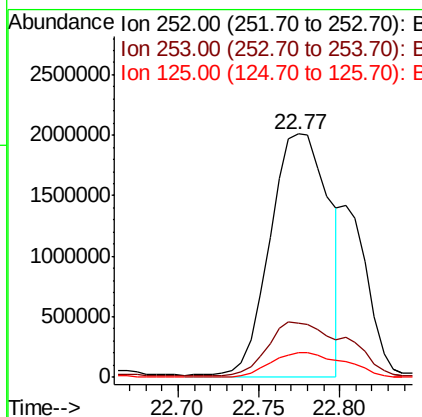
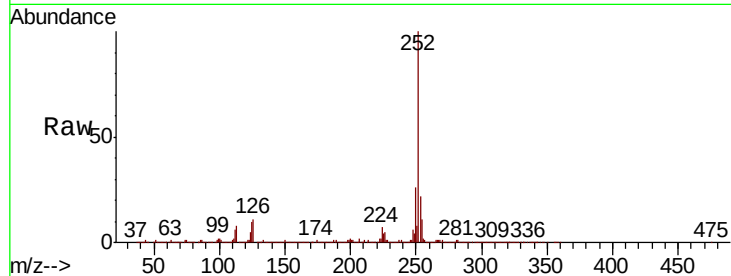
#87
Benzo(b)fluoranthene
Concen: 43.655 ng/ul m
RT: 22.77 min Scan# 3364
Delta R.T. -0.01 min
Lab File: BN005272.D
Acq: 25 Apr 2019 04:33

Instrument :
BNA_N
ClientSampled :
GAHQ4

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	10.4	8.4	12.6

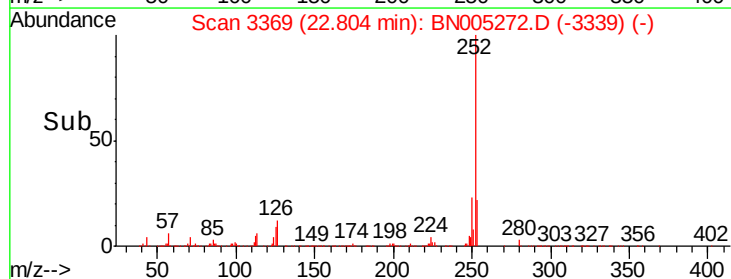
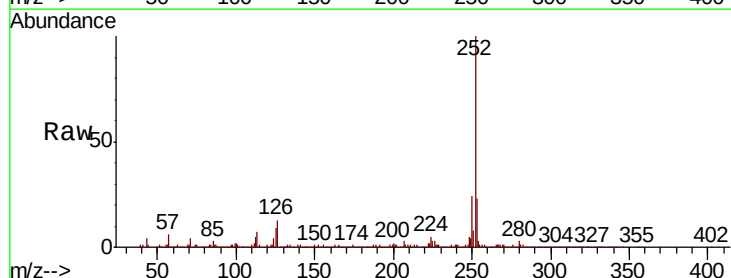
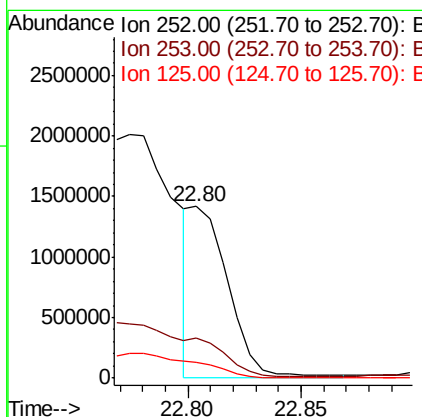
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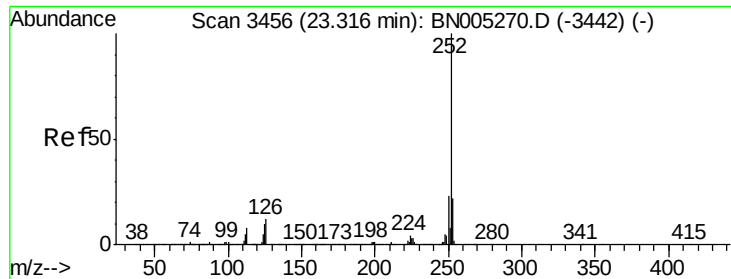
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#88
Benzo(k)fluoranthene
Concen: 14.403 ng/ul m
RT: 22.80 min Scan# 3369
Delta R.T. -0.02 min
Lab File: BN005272.D
Acq: 25 Apr 2019 04:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	9.5	7.5	11.3





#90

Benzo(a)pyrene

Concen: 29.576 ng/ul

RT: 23.32 min Scan# 3457

Delta R.T. -0.02 min

Lab File: BN005272.D

Acq: 25 Apr 2019 04:33

Instrument :

BNA_N

ClientSampled :

GAHQ4

Tot Ion:252 Resp: 3294423

Ion Ratio Lower Upper

252 100

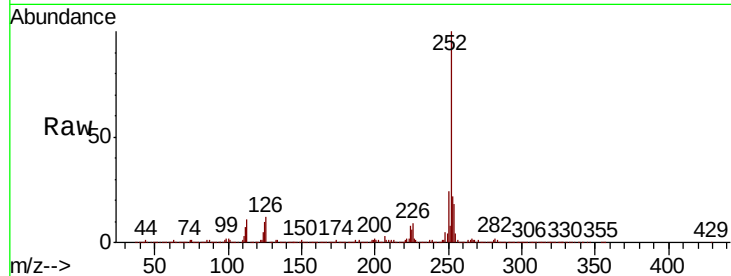
253 22.2 17.3 25.9

125 9.8 8.6 13.0

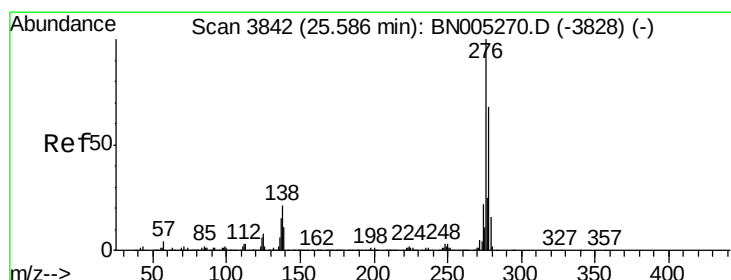
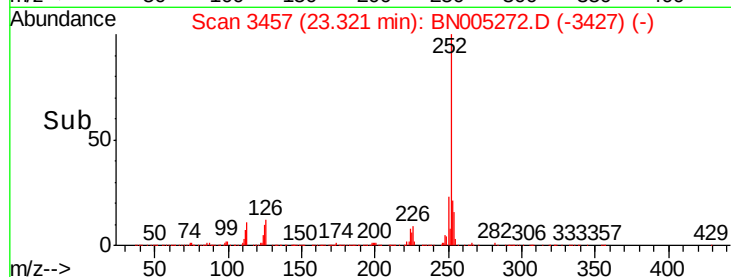
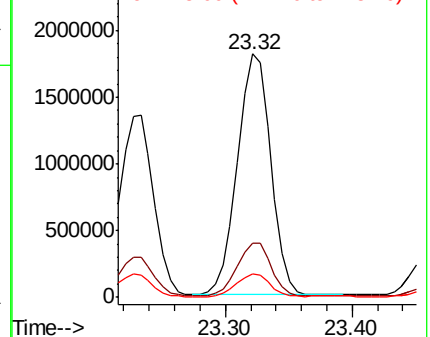
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Abundance Ion 252.00 (251.70 to 252.70): E
2500000
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91

Indeno(1,2,3-cd)pyrene

Concen: 16.323 ng/ul

RT: 25.59 min Scan# 3843

Delta R.T. -0.03 min

Lab File: BN005272.D

Acq: 25 Apr 2019 04:33

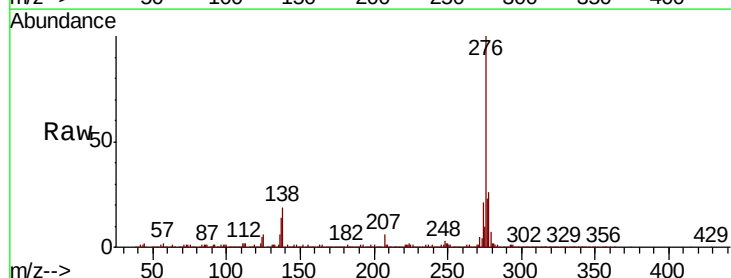
Tgt Ion:276 Resp: 2010190

Ion Ratio Lower Upper

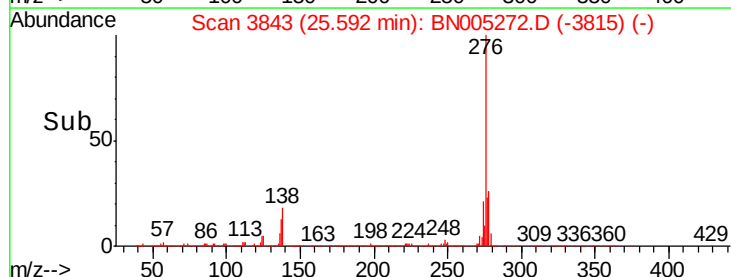
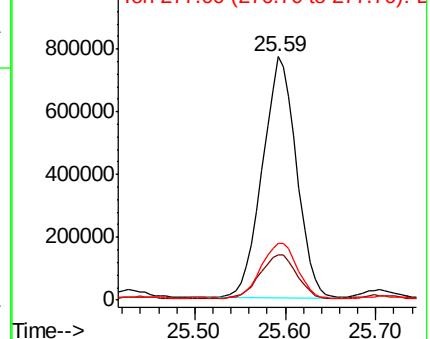
276 100

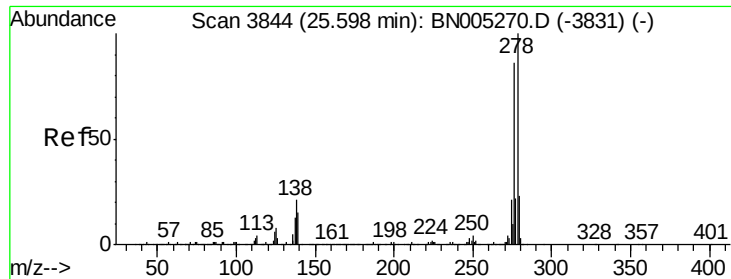
138 18.8 17.9 26.9

277 23.4 19.7 29.5



Abundance Ion 276.00 (275.70 to 276.70): E
1000000
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





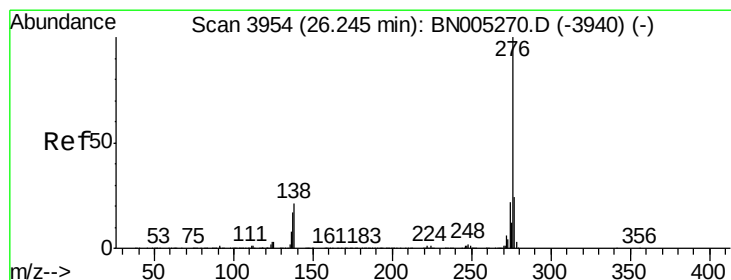
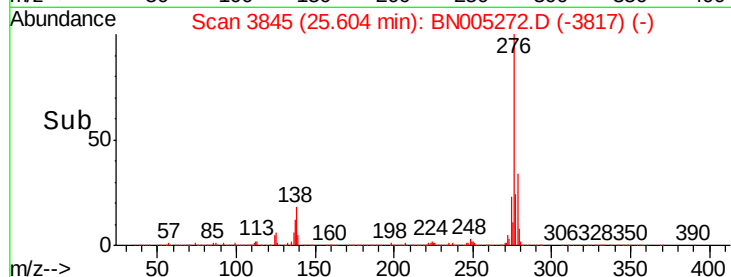
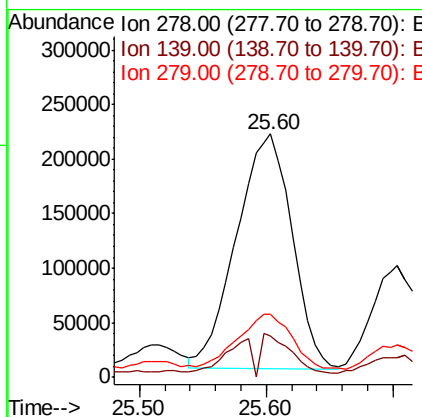
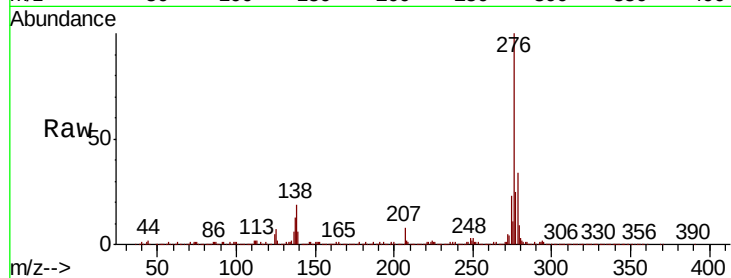
#92
Dibenzo(a,h)anthracene
Concen: 6.314 ng/ul
RT: 25.60 min Scan# 3845
Delta R.T. -0.03 min
Lab File: BN005272.D
Acq: 25 Apr 2019 04:33

Instrument :
BNA_N
ClientSampled :
GAHQ4

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.1	19.7
279	25.8	19.4	29.0

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#93
Benzo(g,h,i)perylene
Concen: 15.227 ng/ul
RT: 26.26 min Scan# 3956
Delta R.T. -0.03 min
Lab File: BN005272.D
Acq: 25 Apr 2019 04:33

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.0	16.7	25.1
277	24.9	18.2	27.2

