

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091619\
 Data File : BN007670.D
 Acq On : 16 Sep 2019 17:27
 Operator : HP/JU
 Sample : K4634-09ME
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F2D27ME

Manual Integrations
 APPROVED

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 9/17/2019 4:10:22 PM

Quant Time: Sep 17 13:37:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 16 18:09:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	592058	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	2523554	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	1649042	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	3470082	20.00	ng/ul	0.00
77) Chrysene-d12	21.29	240	3146521	20.00	ng/ul	0.02
85) Perylene-d12	23.52	264	4098384m	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	43806	2.81	ng/uL	0.00
5) Phenol-d5	6.88	99	1034903	18.35	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	554709	17.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.24	132	749022	18.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	794339	18.49	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	349526	18.98	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	344245	19.69	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	777568	18.94	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	373473	7.01	ng/ul	0.01
43) Dimethylphthalate-d6	13.74	166	2413503	18.39	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	2792020	18.58	ng/ul	0.00
51) 4-Nitrophenol-d4	14.52	143	314136	13.46	ng/ul	0.00
57) Fluorene-d10	15.32	176	2146399	18.85	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	96223	5.14	ng/ul	0.00
70) Anthracene-d10	17.17	188	3200194	18.53	ng/ul	0.00
78) Pyrene-d10	19.48	212	3710174	21.89	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.39	264	3878445	18.19	ng/ul	0.04

Target Compounds

					Ovalue
4) Benzaldehyde	6.86	77	111861	3.536	ng/ul 98
6) Phenol	6.90	94	208313	3.401	ng/ul 95
14) Acetophenone	8.52	105	424089	6.099	ng/ul 98
28) Naphthalene	10.52	128	601945	4.230	ng/ul 98
34) 2-Methylnaphthalene	12.14	142	253817	2.470	ng/ul 99
44) Dimethylphthalate	13.79	163	665003	4.972	ng/ul 100
49) Acenaphthene	14.39	153	2455170	22.048	ng/ul 99
53) Dibenzofuran	14.73	168	1320303	8.174	ng/ul 100
58) Fluorene	15.38	166	1379598	10.614	ng/ul 99
69) Phenanthrene	17.11	178	20942393m	101.769	ng/ul
71) Anthracene	17.21	178	8230567	39.960	ng/ul 99
74) Carbazole	17.47	167	7463517	42.842	ng/ul 98
76) Fluoranthene	19.13	202	27134105m	120.203	ng/ul
79) Pyrene	19.50	202	27230955m	129.968	ng/ul
82) Benzo(a)anthracene	21.26	228	24213833m	107.997	ng/ul
84) Chrysene	21.30	228	25999894m	124.638	ng/ul
87) Benzo(b)fluoranthene	22.84	252	38987926m	147.101	ng/ul
88) Benzo(k)fluoranthene	22.90	252	12334606m	47.889	ng/ul
90) Benzo(a)pyrene	23.42	252	31522749m	123.020	ng/ul
91) Indeno(1,2,3-cd)pyrene	25.77	276	39620199m	131.604	ng/ul
92) Dibenz(a,h)anthracene	25.79	278	12849679m	51.172	ng/ul
93) Benzo(a,h,i)perylene	26.47	276	42701347m	173.017	ng/ul

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091619\
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Sample : K4634-09ME
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F2D27ME

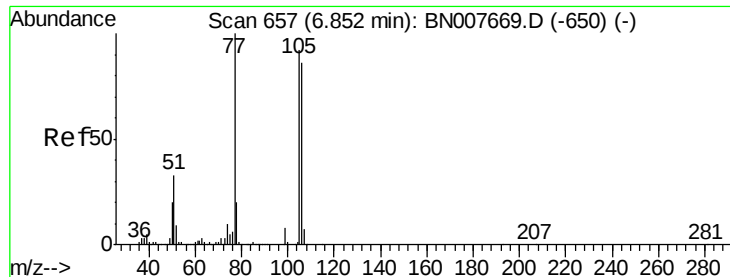
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Quant Time: Sep 17 13:37:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN091619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Sep 16 18:09:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#4

Benzaldehyde

Concen: 3.536 ng/ul

RT: 6.86 min Scan# 658

Delta R.T. 0.01 min

Lab File: BN007670.D

Acq: 16 Sep 2019 17:27

Instrument :

BNA_N

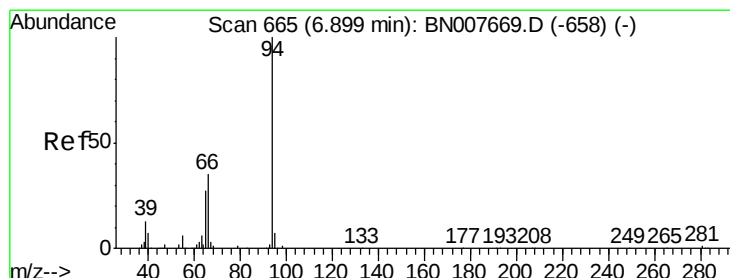
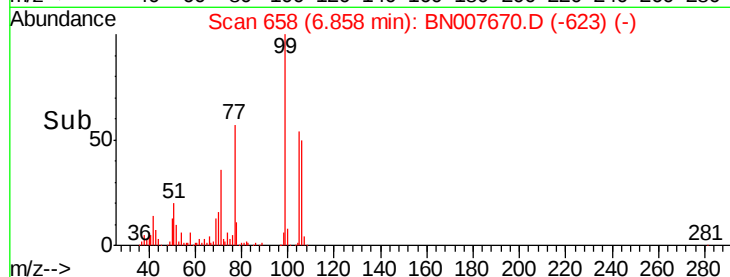
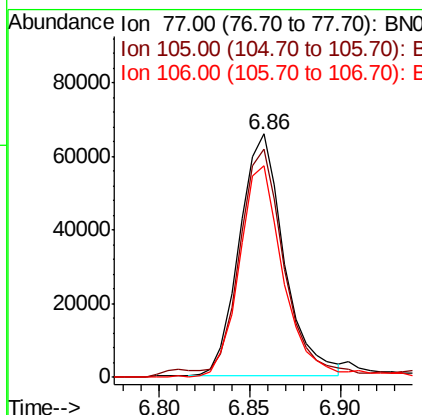
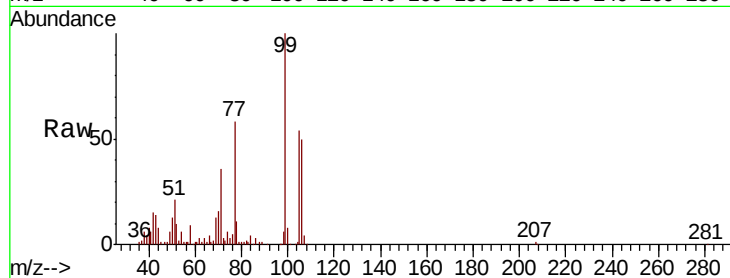
ClientSampleId :

F2D27ME

Tot Ion:	77	Resp:	111861
Ion Ratio	Lower	Upper	
77	100		
105	93.7	72.2	108.4
106	86.8	69.6	104.4

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#6

Phenol

Concen: 3.401 ng/ul

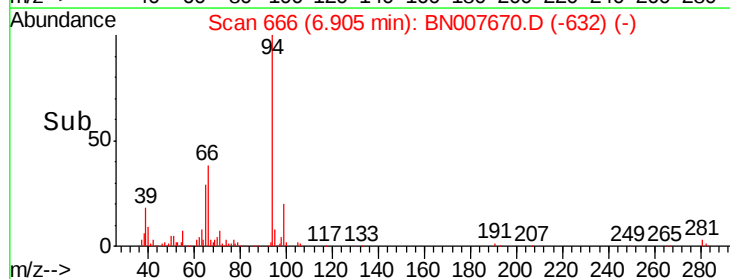
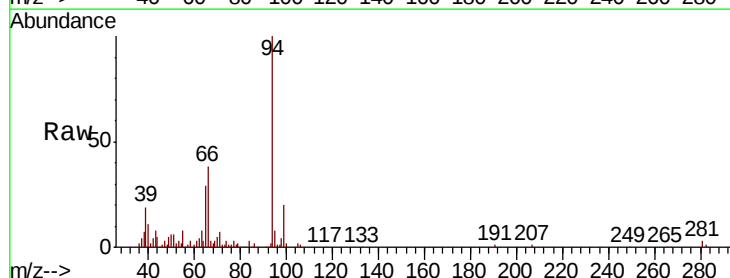
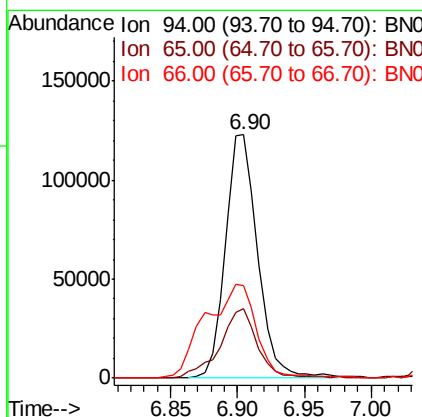
RT: 6.90 min Scan# 666

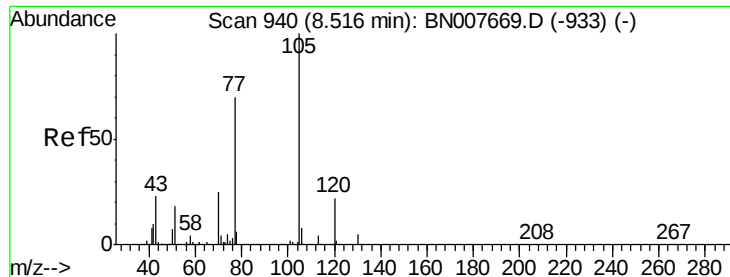
Delta R.T. -0.00 min

Lab File: BN007670.D

Acq: 16 Sep 2019 17:27

Tgt Ion:	94	Resp:	208313
Ion Ratio	Lower	Upper	
94	100		
65	28.8	20.7	31.1
66	38.0	28.6	42.8





#14

Acetophenone

Concen: 6.099 ng/ul

RT: 8.52 min Scan# 940

Delta R.T. -0.00 min

Lab File: BN007670.D

Acq: 16 Sep 2019 17:27

Instrument :

BNA_N

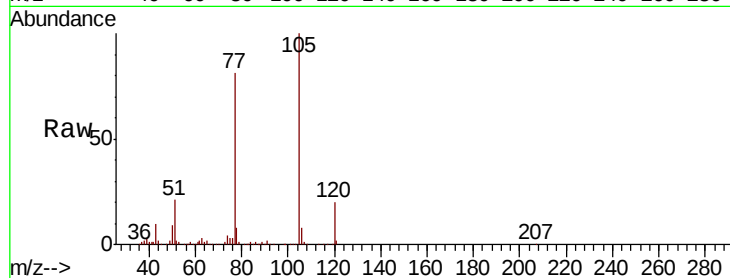
ClientSampleId :

F2D27ME

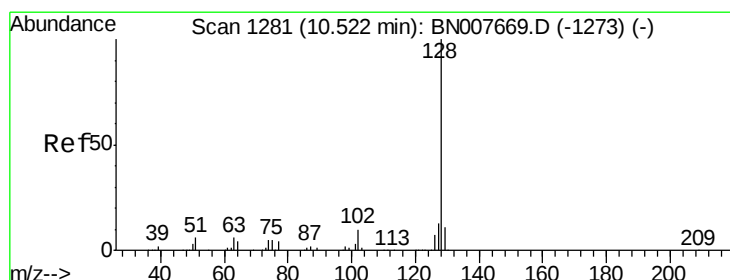
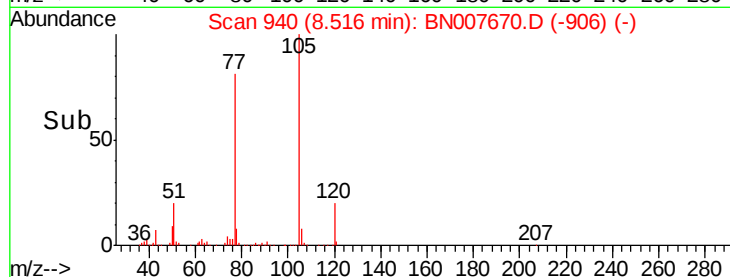
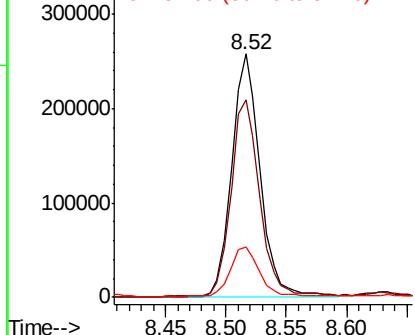
Tot Ion:	105	Resp:	424089
Ion Ratio	Lower	Upper	
105	100		
77	81.0	66.5	99.7
51	20.7	16.3	24.5

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Abundance Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BNC
Ion 51.00 (50.70 to 51.70): BNC



#28

Naphthalene

Concen: 4.230 ng/ul

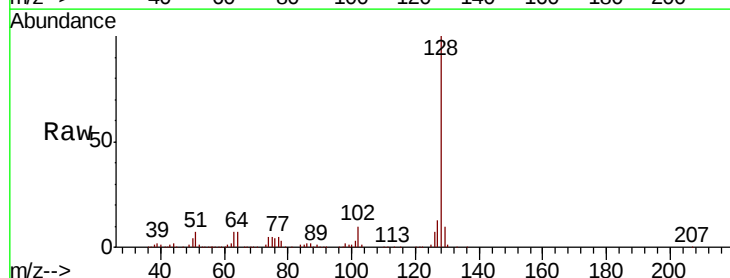
RT: 10.52 min Scan# 1281

Delta R.T. -0.00 min

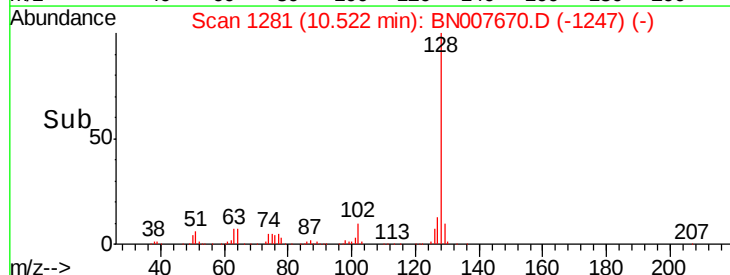
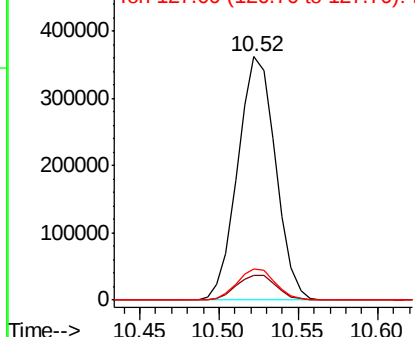
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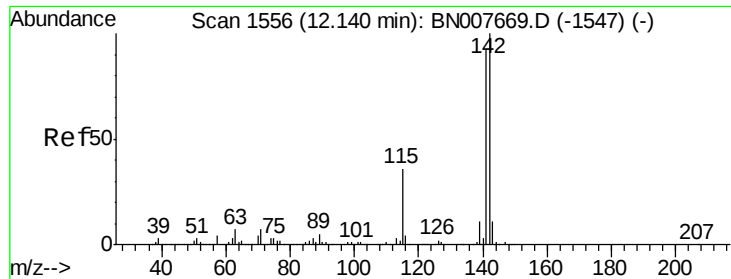
Acq: 16 Sep 2019 17:27

Tgt Ion:	128	Resp:	601945
Ion Ratio	Lower	Upper	
128	100		
129	10.4	9.0	13.4
127	12.9	11.0	16.4



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





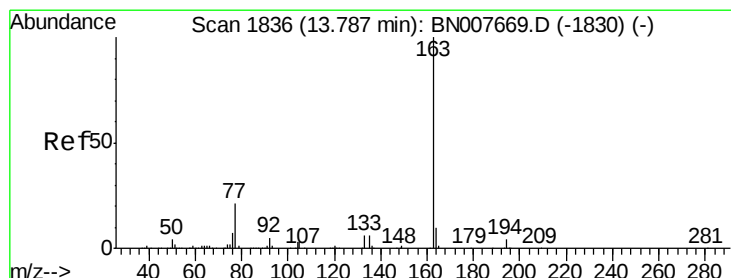
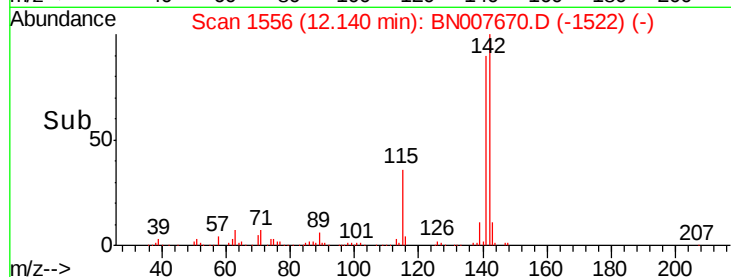
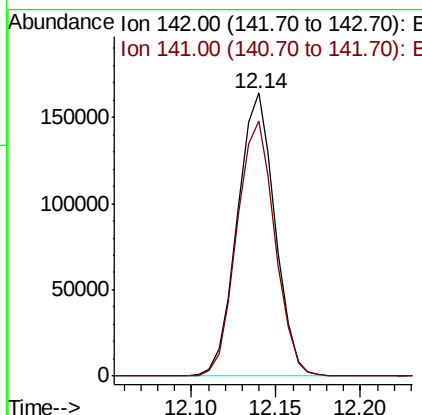
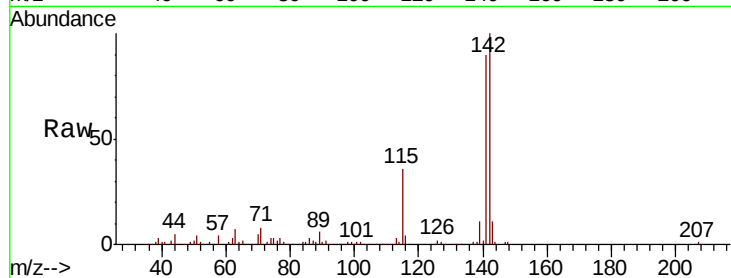
#34
2-Methylnaphthalene
Concen: 2.470 ng/ul
RT: 12.14 min Scan# 1556
Delta R.T. -0.00 min
Lab File: BN007670.D
Acq: 16 Sep 2019 17:27

Instrument :
BNA_N
ClientSampleId :
F2D27ME

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.2	106.8

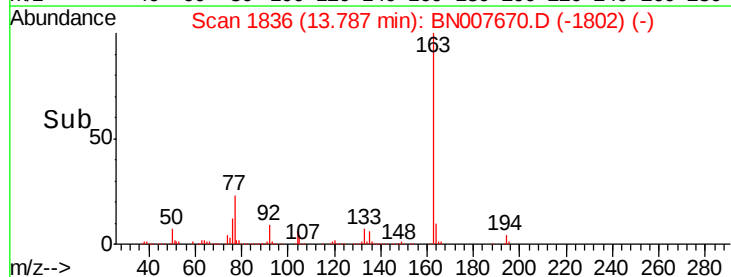
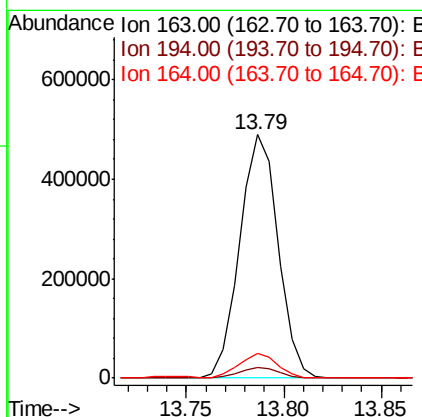
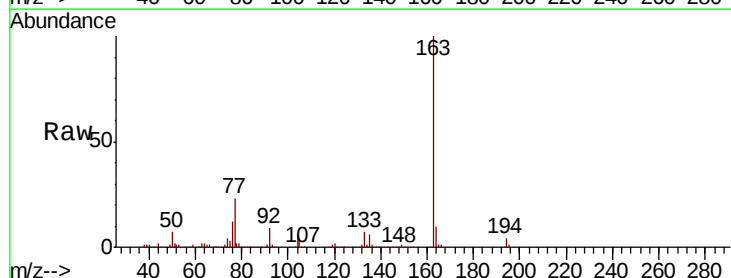
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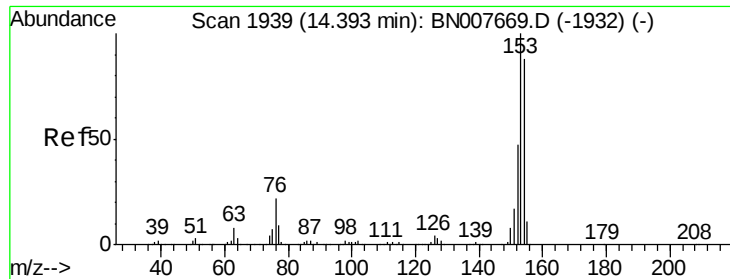
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#44
Dimethylphthalate
Concen: 4.972 ng/ul
RT: 13.79 min Scan# 1836
Delta R.T. -0.00 min
Lab File: BN007670.D
Acq: 16 Sep 2019 17:27

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.3	8.4	12.6





#49

Acenaphthene

Concen: 22.048 ng/ul

RT: 14.39 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BN007670.D

Acq: 16 Sep 2019 17:27

Instrument :

BNA_N

ClientSampleId :

F2D27ME

Tot Ion:153 Resp: 2455170

Ion Ratio Lower Upper

153 100

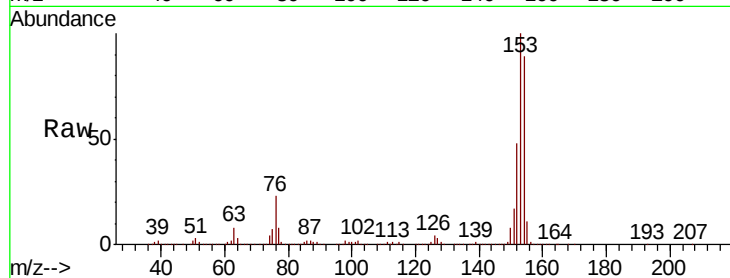
152 47.5 37.8 56.8

154 89.0 70.3 105.5

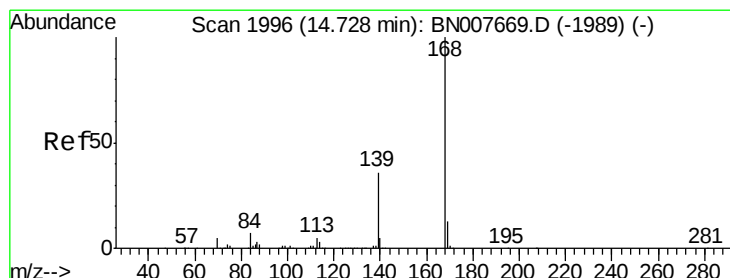
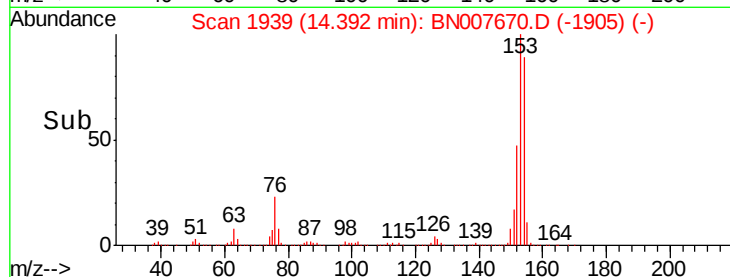
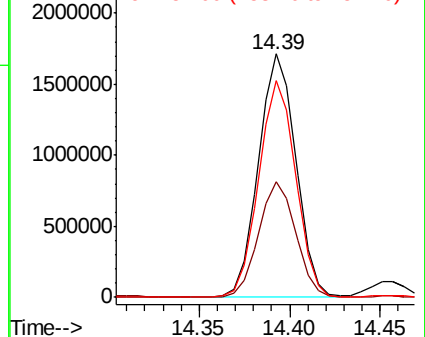
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Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 8.174 ng/ul

RT: 14.73 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BN007670.D

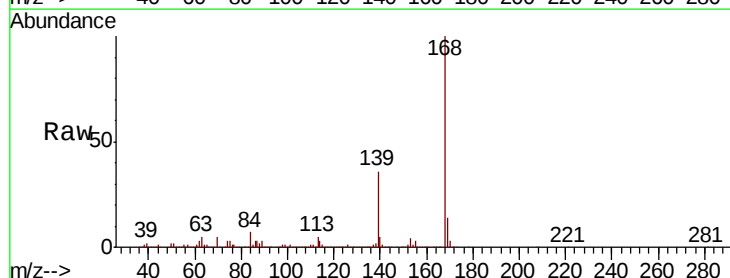
Acq: 16 Sep 2019 17:27

Tgt Ion:168 Resp: 1320303

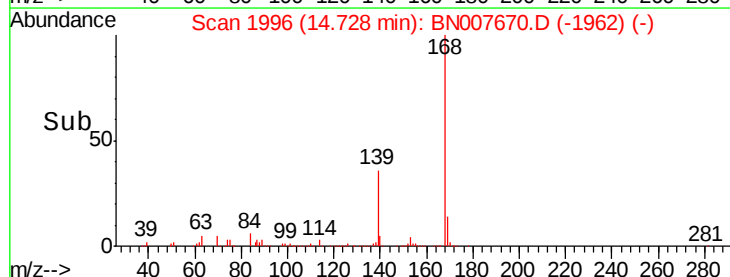
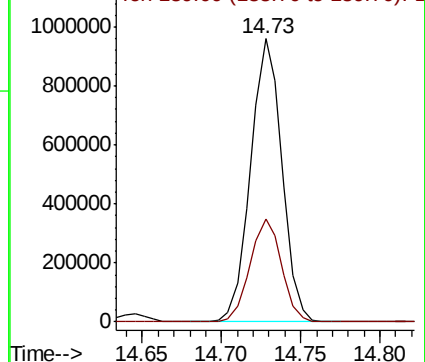
Ion Ratio Lower Upper

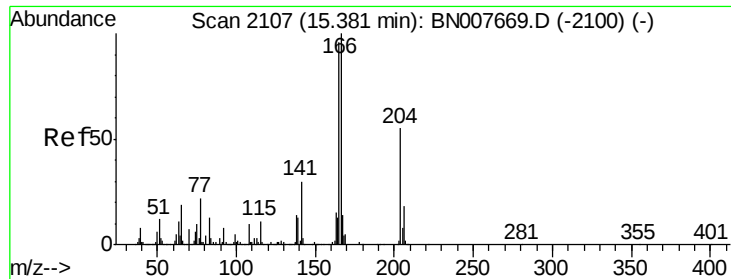
168 100

139 36.4 29.1 43.7



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E





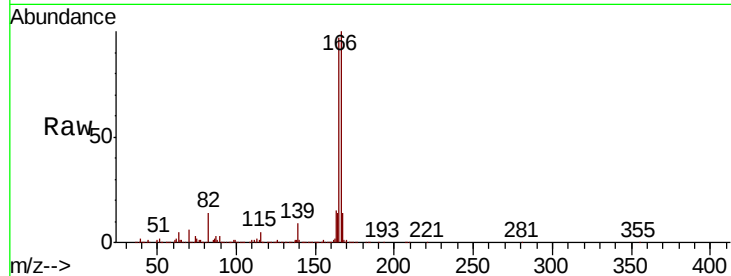
#58
Fluorene
 Concen: 10.614 ng/ul
 RT: 15.38 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: BN007670.D
 Acq: 16 Sep 2019 17:27

Instrument :
 BNA_N
 ClientSampled :
 F2D27ME

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.6	118.0
167	14.1	10.8	16.2

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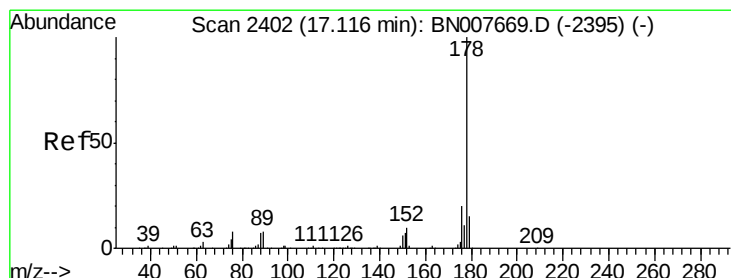
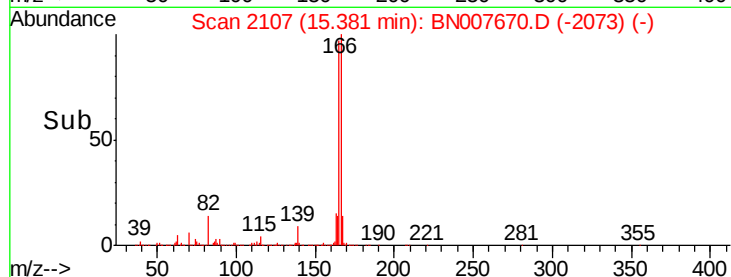
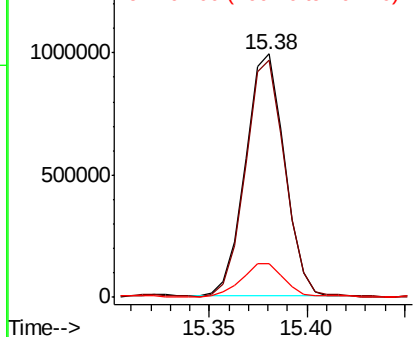


Abundance

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: 101.769 ng/ul m
 RT: 17.11 min Scan# 2401
 Delta R.T. -0.01 min
 Lab File: BN007670.D
 Acq: 16 Sep 2019 17:27

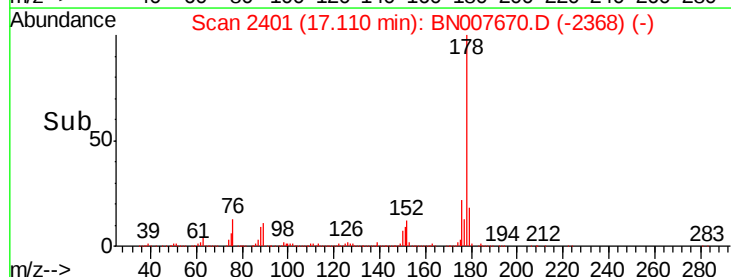
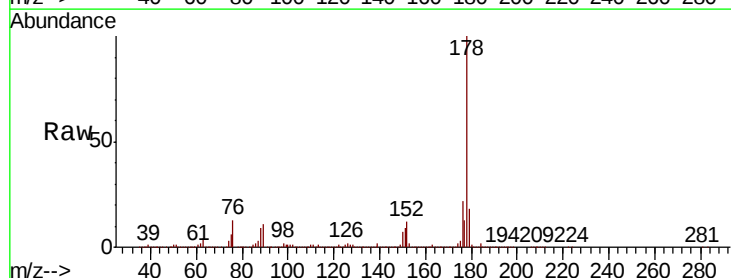
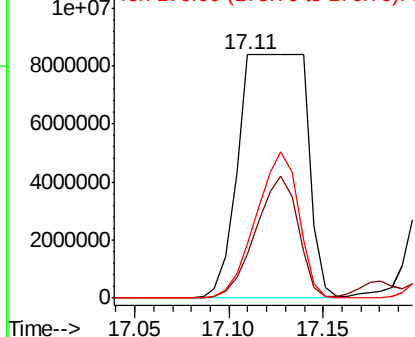
Tgt Ion	Ratio	Lower	Upper
178	100		
179	18.3	11.9	17.9#
176	22.0	15.2	22.8

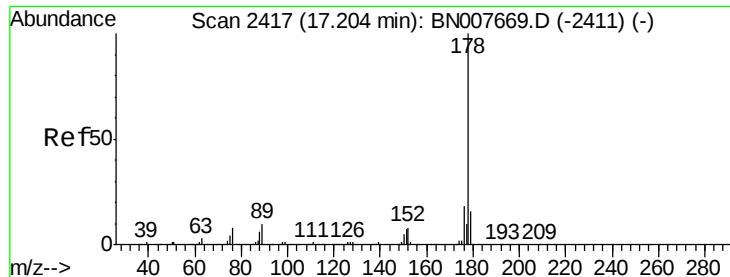
Abundance

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





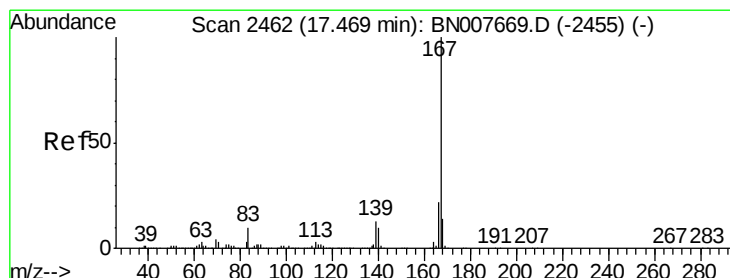
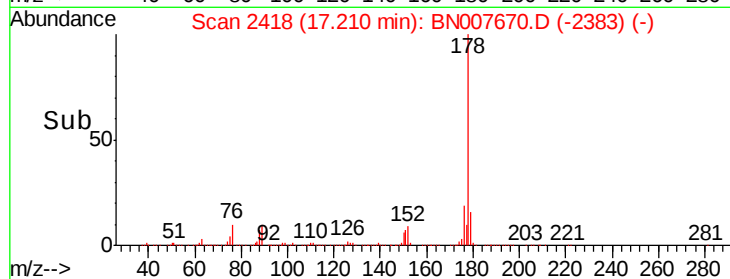
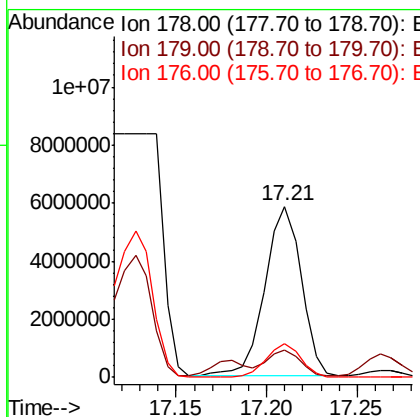
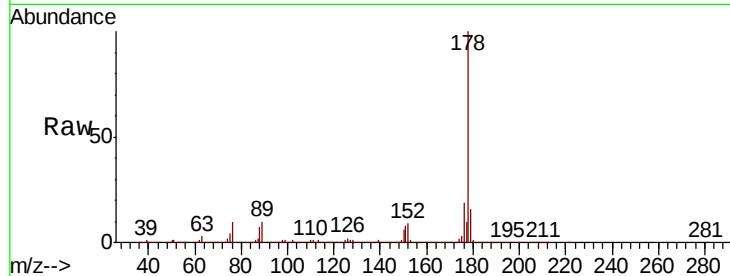
#71
 Anthracene
 Concen: 39.960 ng/ul
 RT: 17.21 min Scan# 2418
 Delta R.T. 0.01 min
 Lab File: BN007670.D
 Acq: 16 Sep 2019 17:27

Instrument :
 BNA_N
 ClientSampleId :
 F2D27ME

Tot Ion:178 Resp: 8230567
 Ion Ratio Lower Upper
 178 100
 179 16.3 12.7 19.1
 176 19.4 15.1 22.7

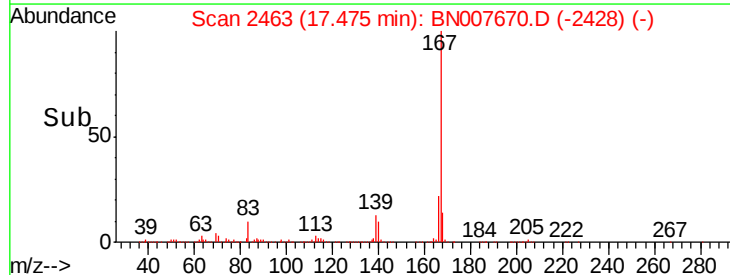
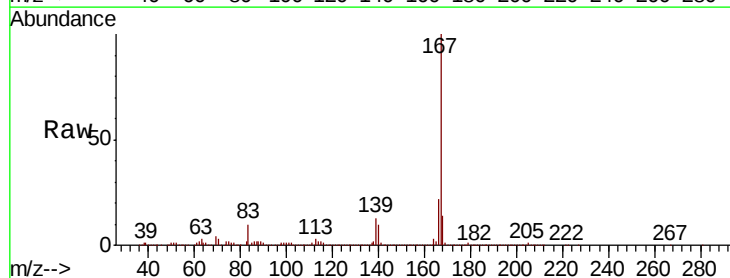
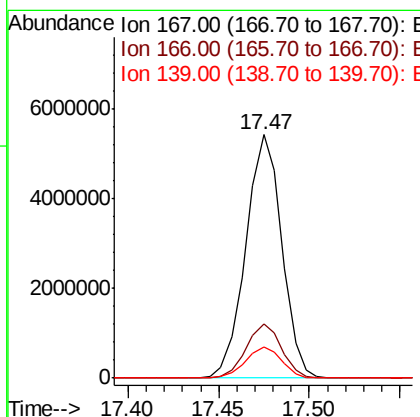
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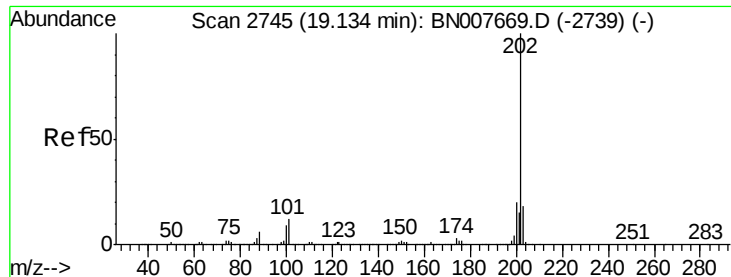
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#74
 Carbazole
 Concen: 42.842 ng/ul
 RT: 17.47 min Scan# 2463
 Delta R.T. 0.01 min
 Lab File: BN007670.D
 Acq: 16 Sep 2019 17:27

Tgt Ion:167 Resp: 7463517
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.0 25.4
 139 12.9 10.1 15.1





#76

Fluoranthene

Concen: 120.203 ng/ul m

RT: 19.13 min Scan# 2745

Delta R.T. -0.00 min

Lab File: BN007670.D

Acq: 16 Sep 2019 17:27

Instrument :

BNA_N

ClientSampleId :

F2D27ME

Tot Ion:202 Resp:27134105

Ion Ratio Lower Upper

202 100

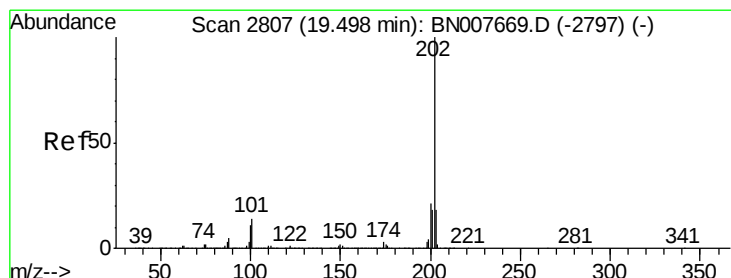
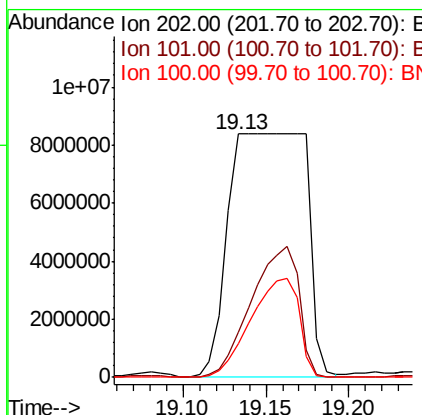
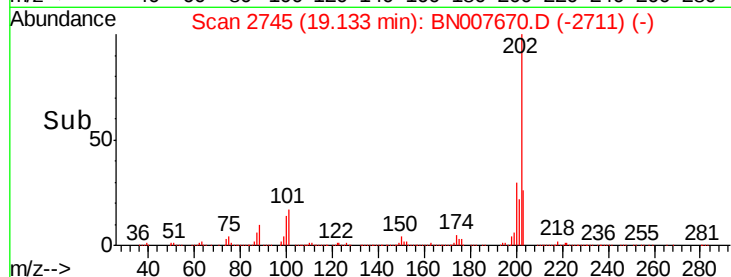
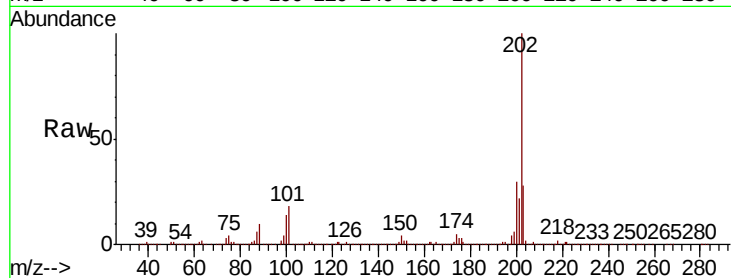
101 18.3 9.4 14.2#

100 13.9 7.1 10.7#

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#79

Pyrene

Concen: 129.968 ng/ul m

RT: 19.50 min Scan# 2807

Delta R.T. -0.00 min

Lab File: BN007670.D

Acq: 16 Sep 2019 17:27

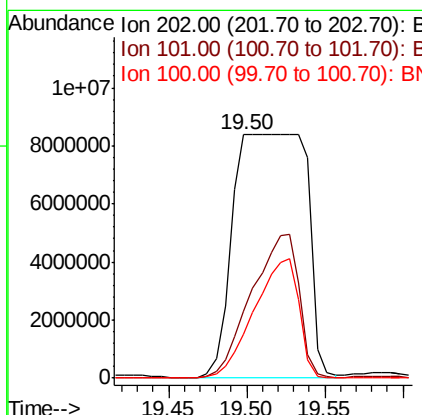
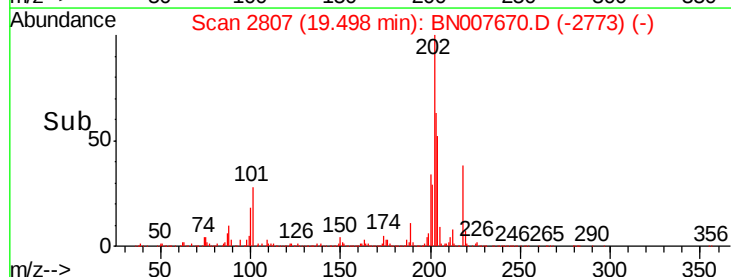
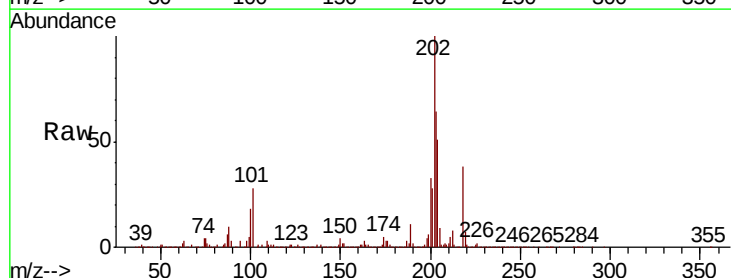
Tgt Ion:202 Resp:27230955

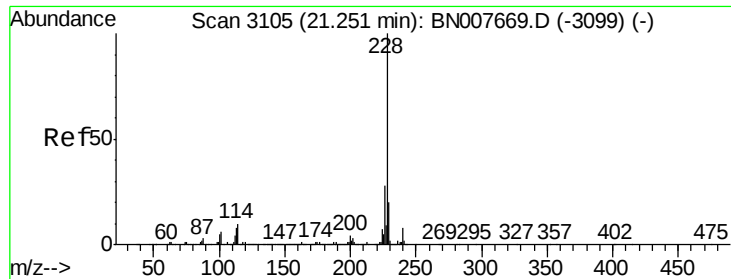
Ion Ratio Lower Upper

202 100

101 27.7 11.2 16.8#

100 18.2 9.4 14.0#





#82

Benzo(a)anthracene

Concen: 107.997 ng/ul m

RT: 21.26 min Scan# 3106

Delta R.T. -0.00 min

Lab File: BN007670.D

Acq: 16 Sep 2019 17:27

Instrument :

BNA_N

ClientSampled :

F2D27ME

Tot Ion:228 Resp:24213833

Ion Ratio Lower Upper

228 100

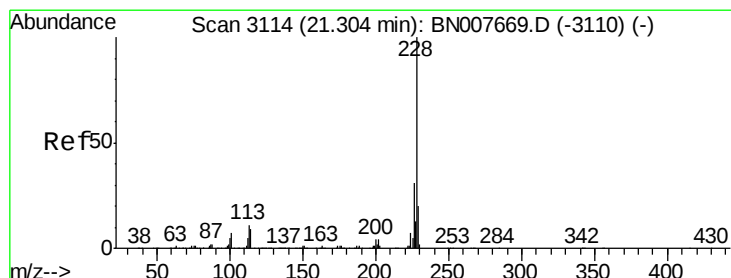
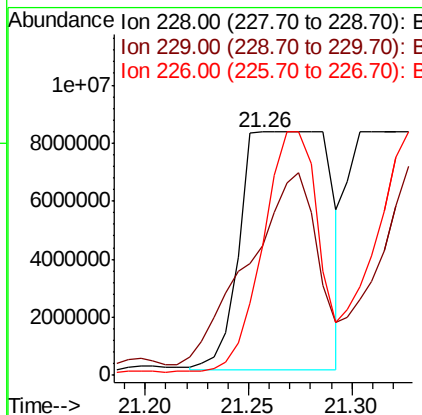
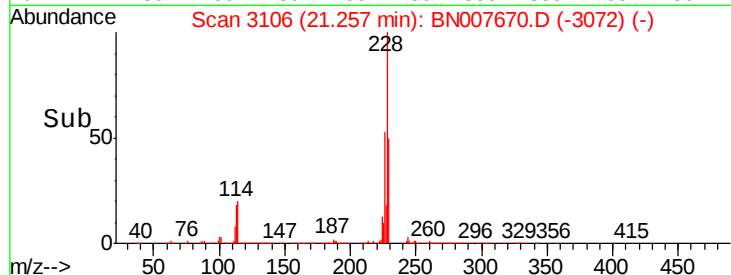
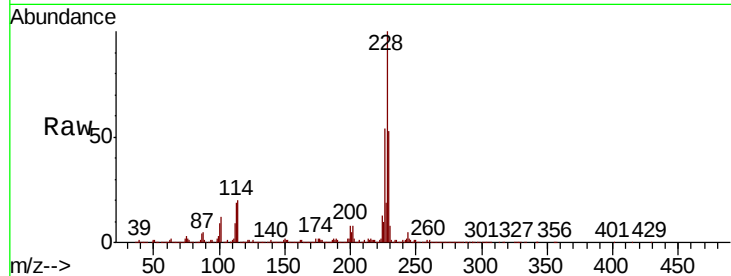
229 53.3 15.7 23.5#

226 53.5 20.9 31.3#

Manual Integrations
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#84

Chrysene

Concen: 124.638 ng/ul m

RT: 21.30 min Scan# 3114

Delta R.T. -0.00 min

Lab File: BN007670.D

Acq: 16 Sep 2019 17:27

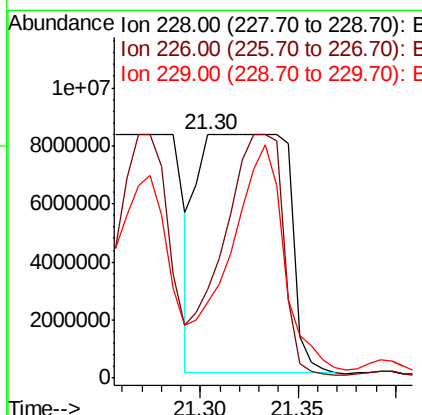
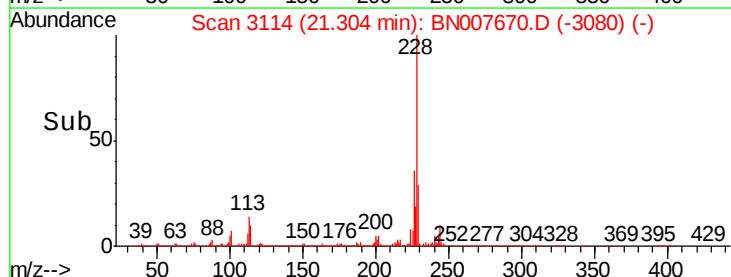
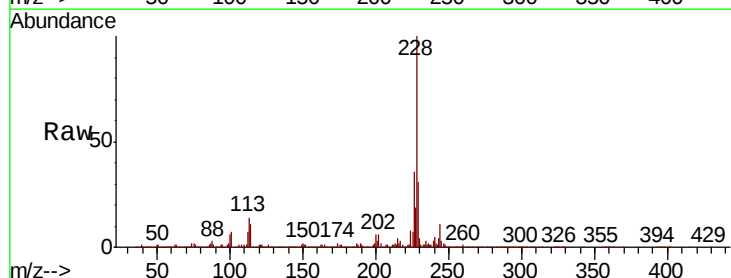
Tgt Ion:228 Resp:25999894

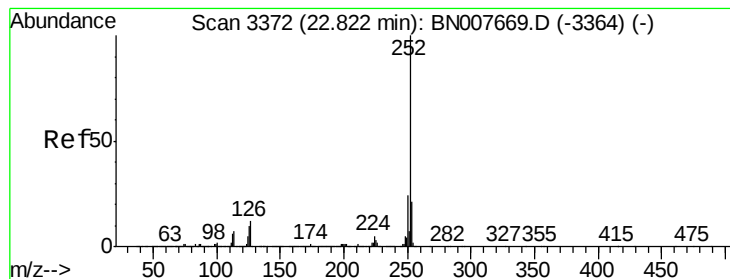
Ion Ratio Lower Upper

228 100

226 36.4 24.2 36.4#

229 30.9 15.5 23.3#





#87

Benzo(b)fluoranthene

Concen: 147.101 ng/ul m

RT: 22.84 min Scan# 3376

Delta R.T. 0.02 min

Lab File: BN007670.D

Acq: 16 Sep 2019 17:27

Instrument :

BNA_N

ClientSampleId :

F2D27ME

Tot Ion:252 Resp:38987926

Ion Ratio Lower Upper

252 100

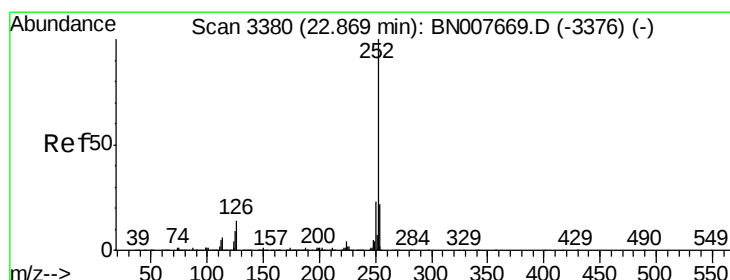
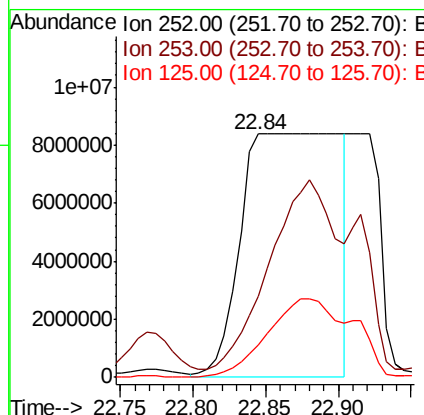
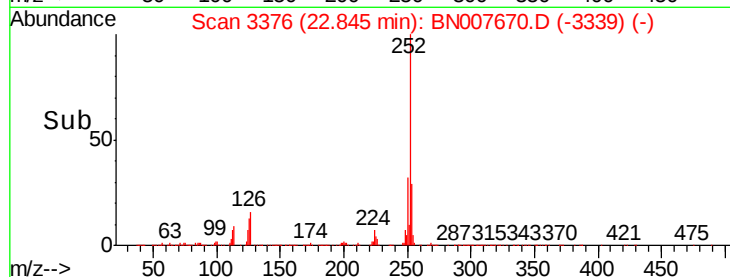
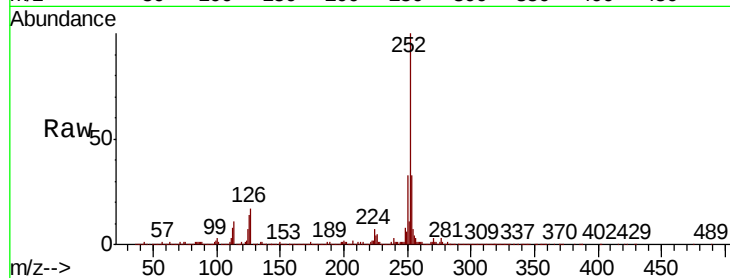
253 33.2 17.6 26.4#

125 13.5 8.0 12.0#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 47.889 ng/ul m

RT: 22.90 min Scan# 3386

Delta R.T. 0.04 min

Lab File: BN007670.D

Acq: 16 Sep 2019 17:27

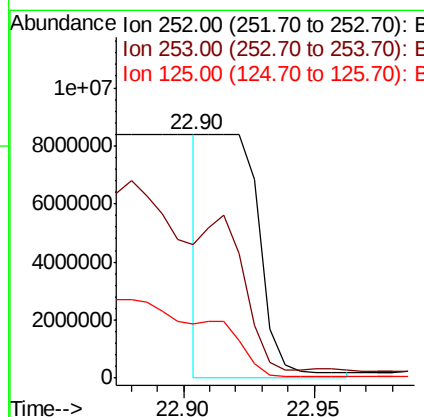
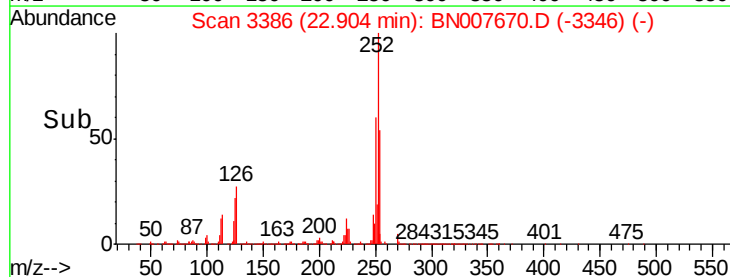
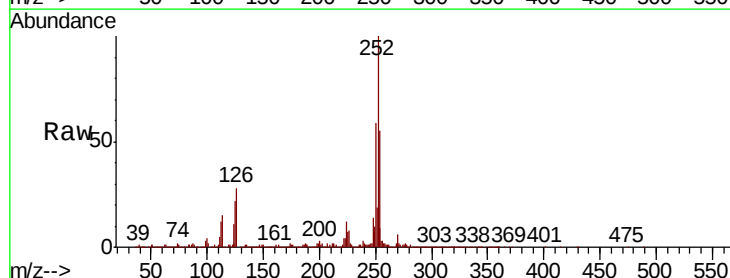
Tgt Ion:252 Resp:12334606

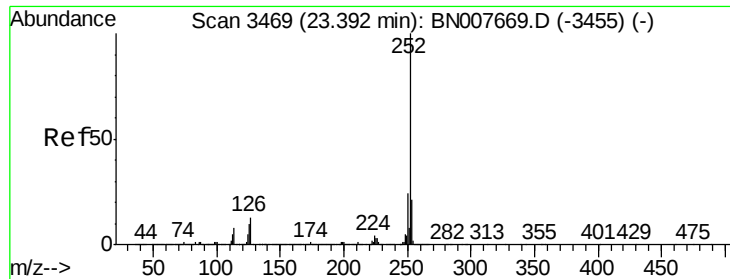
Ion Ratio Lower Upper

252 100

253 55.0 17.7 26.5#

125 22.1 8.2 12.4#





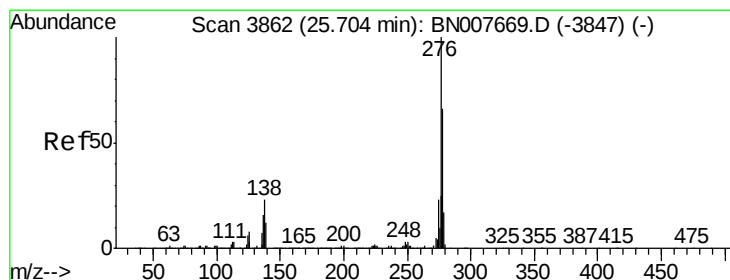
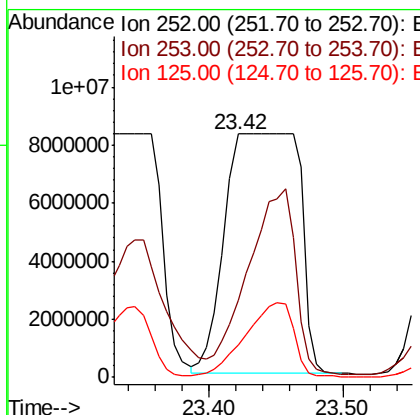
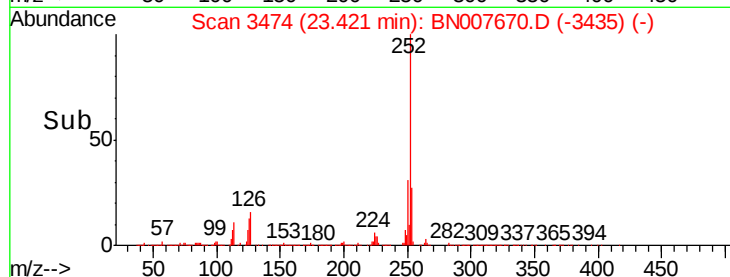
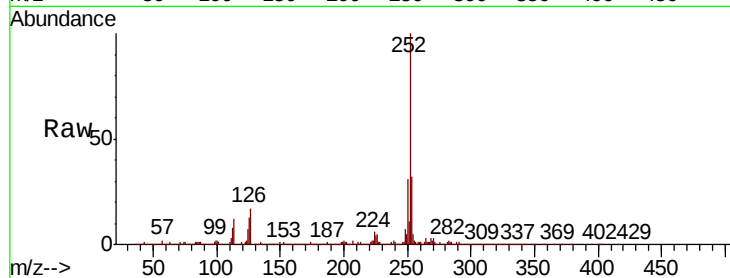
#90
Benzo(a)pyrene
Concen: 123.020 ng/ul m
RT: 23.42 min Scan# 3474
Delta R.T. 0.03 min
Lab File: BN007670.D
Acq: 16 Sep 2019 17:27

Instrument :
BNA_N
ClientSampleId :
F2D27ME

Tot Ion:252 Resp:31522749
Ion Ratio Lower Upper
252 100
253 31.7 17.8 26.8#
125 13.3 9.2 13.8

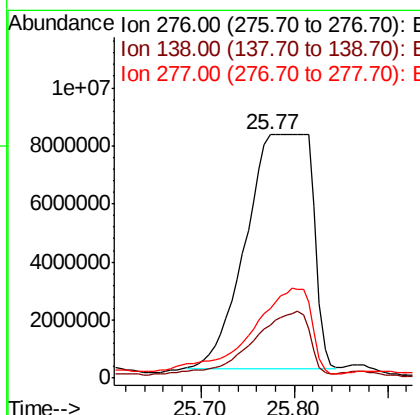
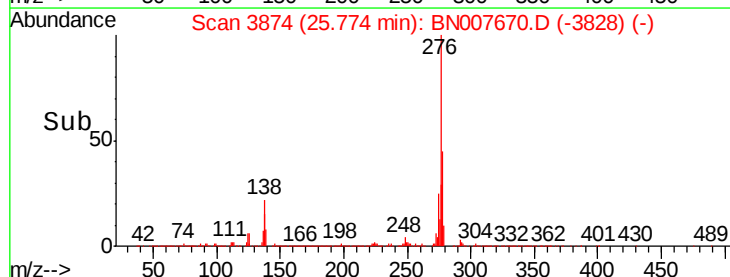
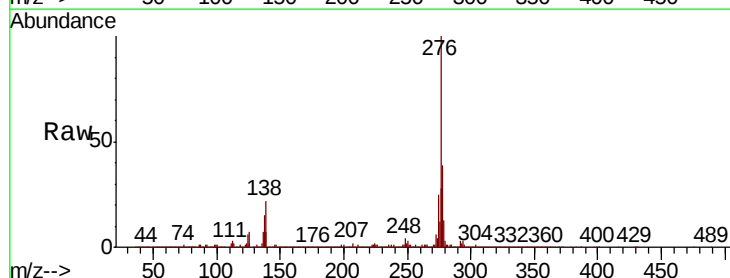
Manual Integrations
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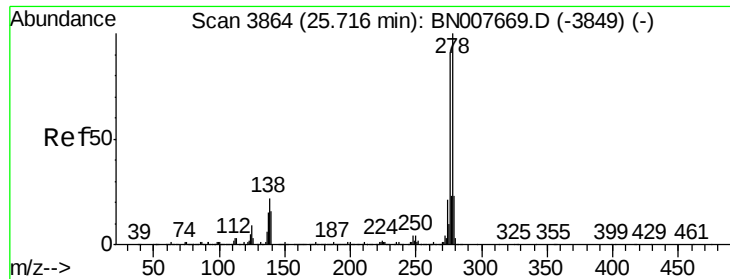
mohammad
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#91
Indeno(1,2,3-cd)pyrene
Concen: 131.604 ng/ul m
RT: 25.77 min Scan# 3874
Delta R.T. 0.07 min
Lab File: BN007670.D
Acq: 16 Sep 2019 17:27

Tgt Ion:276 Resp:39620199
Ion Ratio Lower Upper
276 100
138 21.7 19.1 28.7
277 28.4 19.7 29.5





#92

Dibenzo(a,h)anthracene

Concen: 51.172 ng/ul m

RT: 25.79 min Scan# 3877

Delta R.T. 0.07 min

Lab File: BN007670.D

Acq: 16 Sep 2019 17:27

Instrument :

BNA_N

ClientSampleId :

F2D27ME

Tot Ion:278 Resp:12849679

Ion Ratio Lower Upper

278 100

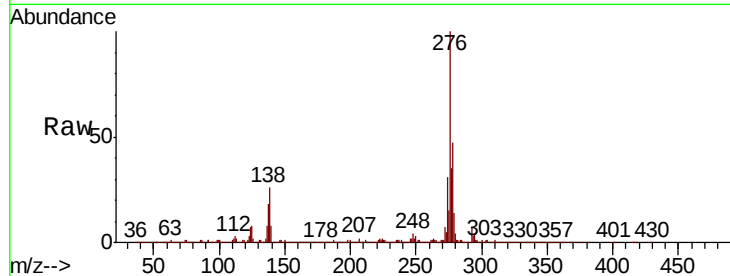
139 17.2 12.6 19.0

279 29.8 19.4 29.2#

Manual Integrations
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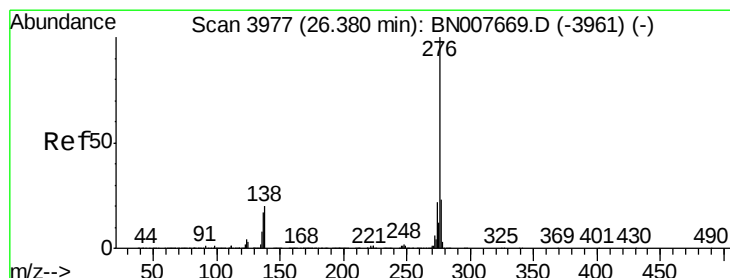
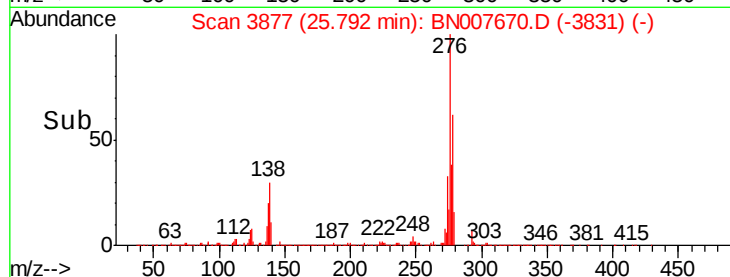
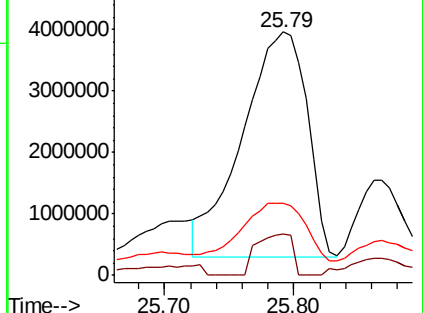
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Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 173.017 ng/ul m

RT: 26.47 min Scan# 3993

Delta R.T. 0.09 min

Lab File: BN007670.D

Acq: 16 Sep 2019 17:27

Tgt Ion:276 Resp:42701347

Ion Ratio Lower Upper

276 100

138 21.7 16.5 24.7

277 28.0 18.7 28.1

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

