

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
 Data File : BM023321.D
 Acq On : 22 Oct 2019 16:34
 Operator : JU
 Sample : K5345-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ETOJ6

Manual Integrations
 APPROVED

mohammad
 10/24/2019 8:08:32 AM

Quant Time: Oct 22 17:32:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 22 11:39:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	346610	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1382340	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	856170	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	1827281	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	1997206	20.00	ng/ul	0.01
86) Perylene-d12	23.45	264	2559204m	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.17	96	34324	4.36	ng/uL	0.00
5) Phenol-d5	6.83	99	630354	20.88	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	357174	20.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	497547	21.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	499822	20.61	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	227355	24.31	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	240606	27.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	519245	22.93	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	565789	20.54	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	1655886	25.24	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	1887785	24.53	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	210821	19.85	ng/ul	0.00
58) Fluorene-d10	15.29	176	1464273	26.20	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	189426	26.15	ng/ul	0.00
71) Anthracene-d10	17.14	188	2373026	26.93	ng/ul	0.00
79) Pyrene-d10	19.44	212	2711930	28.04	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.32	264	3324813	25.63	ng/ul	0.02

Target Compounds

					Ovalue
6) Phenol	6.85	94	62276	2.000	ng/ul 96
28) Naphthalene	10.48	128	1109123	15.523	ng/ul 99
34) 2-Methylnaphthalene	12.10	142	181437	3.413	ng/ul 96
45) Dimethylphthalate	13.76	163	381156	5.804	ng/ul 98
48) Acenaphthylene	14.02	152	2067412	26.276	ng/ul 100
50) Acenaphthene	14.36	153	428045	7.813	ng/ul 99
54) Dibenzofuran	14.69	168	348837	4.485	ng/ul 99
59) Fluorene	15.35	166	295737	4.634	ng/ul 100
70) Phenanthrene	17.08	178	2408463	23.486	ng/ul 98
72) Anthracene	17.17	178	5076919	47.909	ng/ul 100
75) Carbazole	17.44	167	854004	9.021	ng/ul 99
77) Fluoranthene	19.10	202	11399360	93.468	ng/ul 100
80) Pyrene	19.47	202	11422267	91.293	ng/ul 100
83) Benzo(a)anthracene	21.23	228	9396714	69.438	ng/ul# 92
85) Chrysene	21.28	228	13813494m	109.932	ng/ul
88) Benzo(b)fluoranthene	22.80	252	22341855m	143.987	ng/ul
89) Benzo(k)fluoranthene	22.84	252	8335041m	55.943	ng/ul
91) Benzo(a)pyrene	23.36	252	11973297	80.429	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.68	276	11593815m	65.466	ng/ul
93) Dibenzo(a,h)anthracene	25.68	278	2936354m	19.830	ng/ul
94) Benzo(a,h,i)perylene	26.36	276	10689926m	73.313	ng/ul

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

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

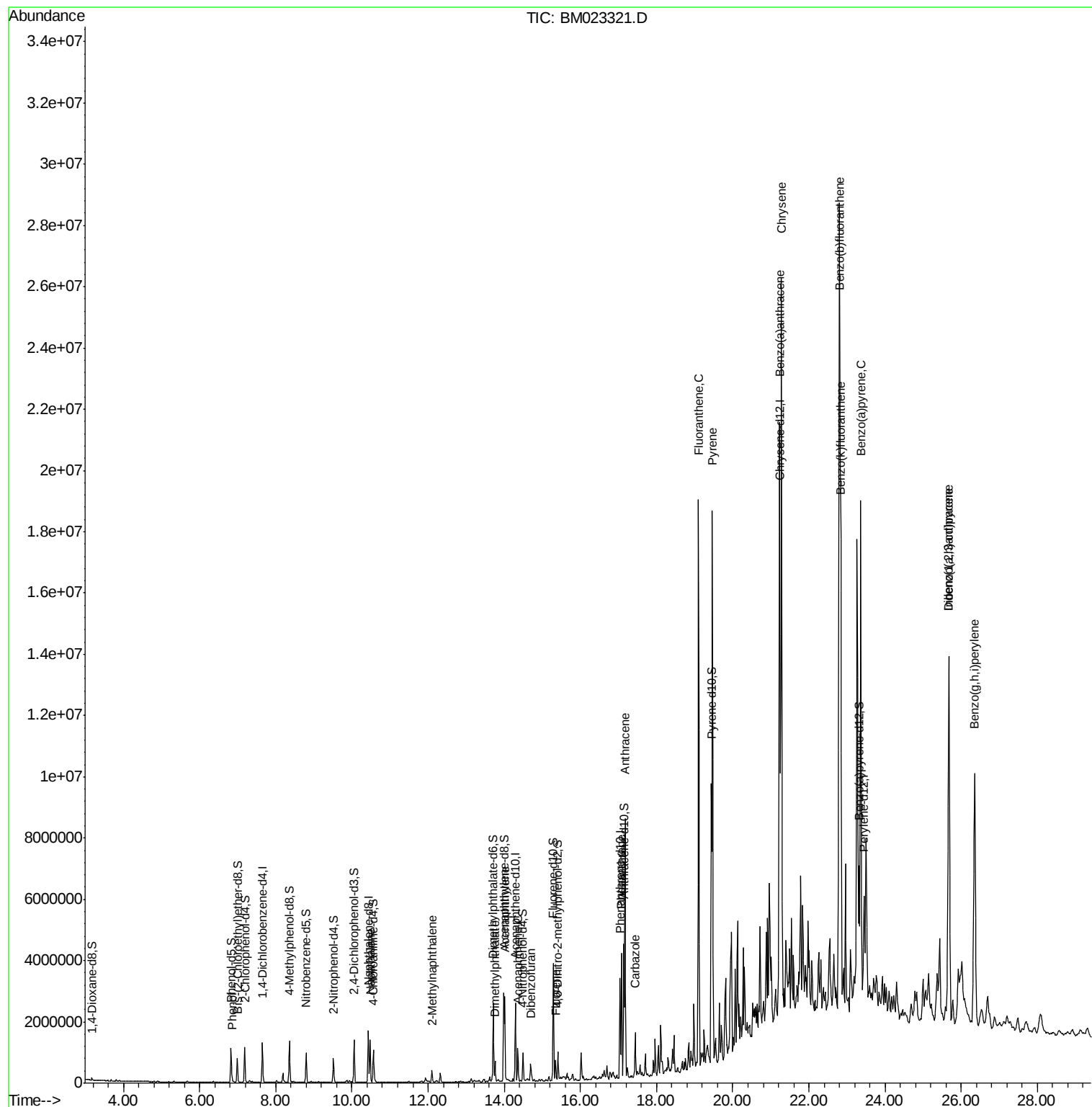
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023321.D
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Operator : JU
Sample : K5345-01
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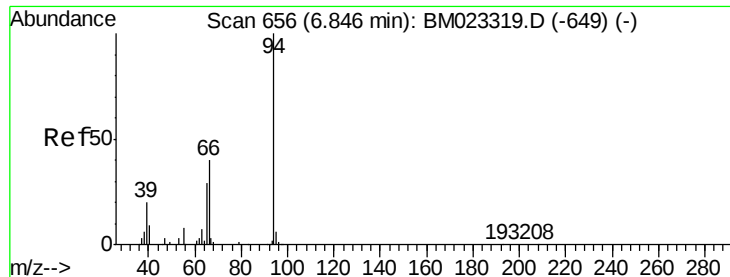
Instrument :
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#6

Phenol

Concen: 2.000 ng/ul

RT: 6.85 min Scan# 657

Delta R.T. 0.01 min

Lab File: BM023321.D

Acq: 22 Oct 2019 16:34

Instrument :

BNA_M

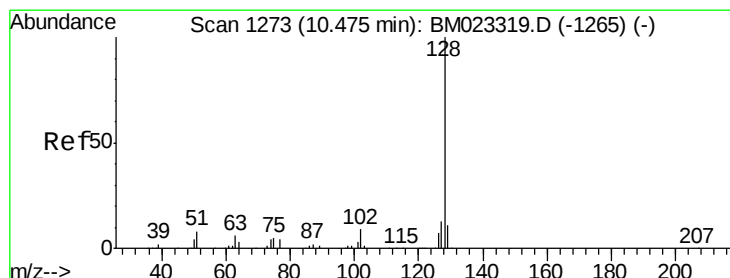
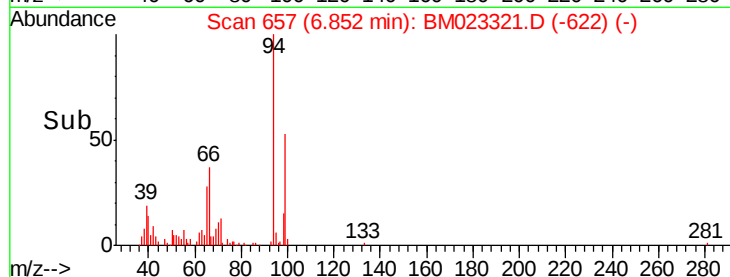
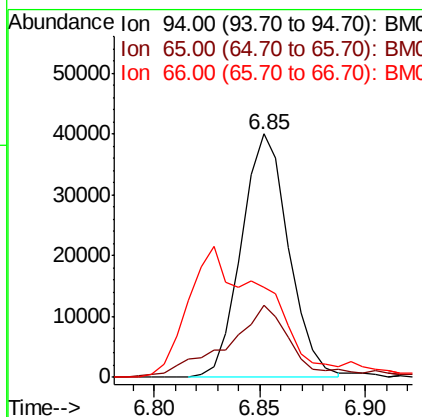
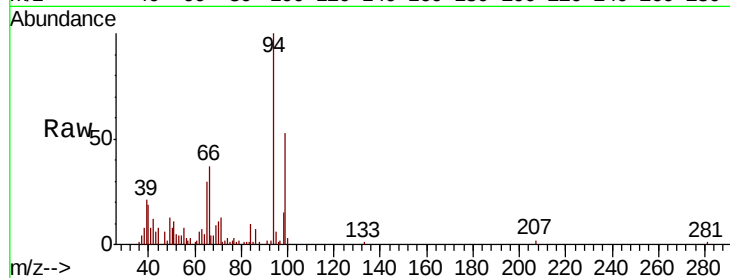
ClientSampled :

ETOJ6

Tot Ion:	94	Resp:	62276
Ion	Ratio	Lower	Upper
94	100		
65	29.5	23.2	34.8
66	36.9	32.9	49.3

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#28

Naphthalene

Concen: 15.523 ng/ul

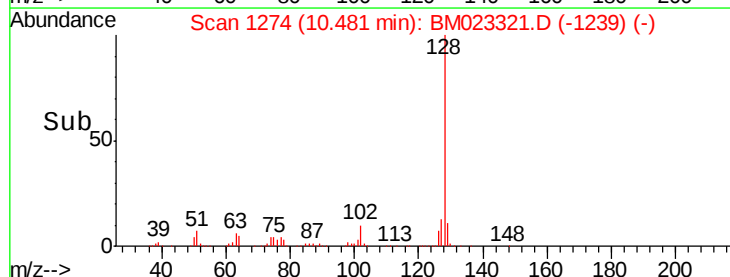
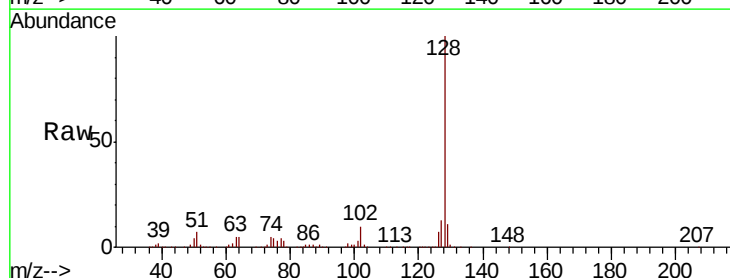
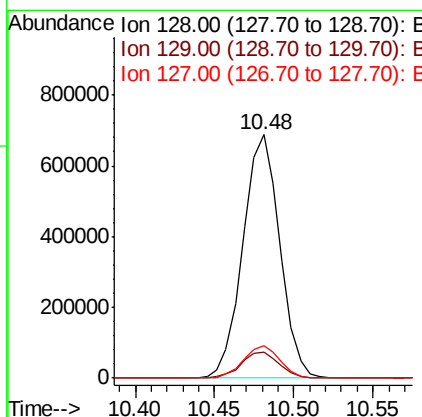
RT: 10.48 min Scan# 1274

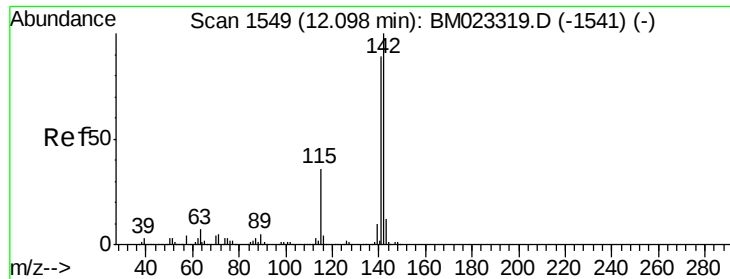
Delta R.T. 0.01 min

Lab File: BM023321.D

Acq: 22 Oct 2019 16:34

Tgt Ion:	128	Resp:	1109123
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.1	10.2	15.4





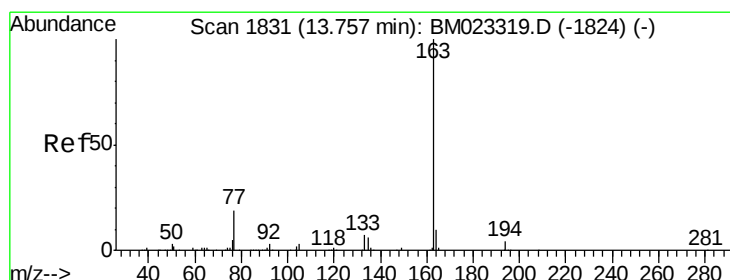
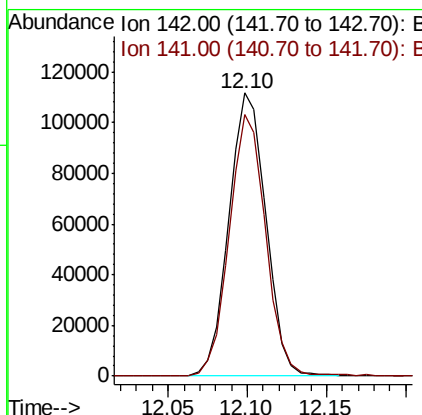
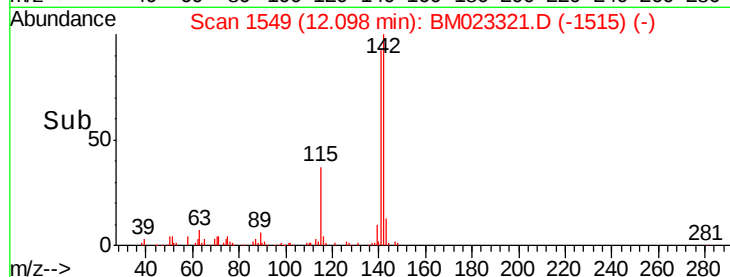
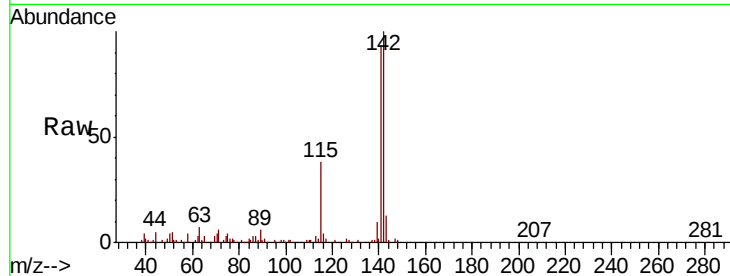
#34
2-Methylnaphthalene
Concen: 3.413 ng/ul
RT: 12.10 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BM023321.D
Acq: 22 Oct 2019 16:34

Instrument :
BNA_M
ClientSampleId :
ETOJ6

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.6	71.4	107.0

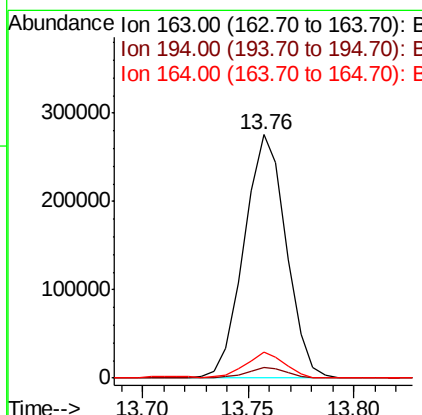
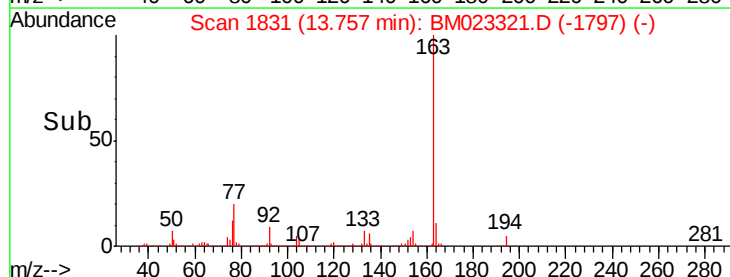
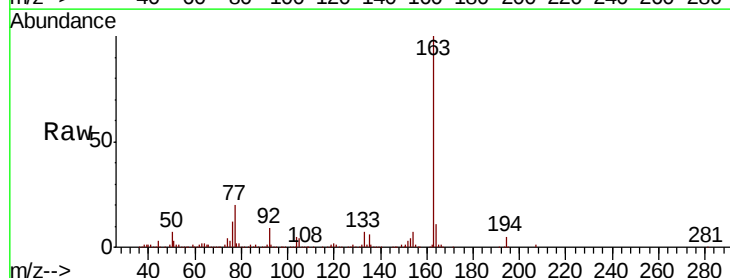
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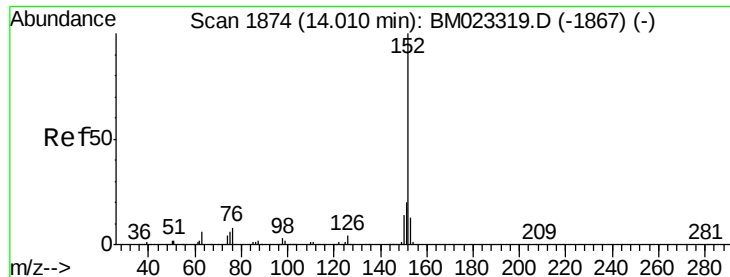
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#45
Dimethylphthalate
Concen: 5.804 ng/ul
RT: 13.76 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BM023321.D
Acq: 22 Oct 2019 16:34

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.4	5.2
164	10.8	7.8	11.6





#48

Acenaphthylene

Concen: 26.276 ng/ul

RT: 14.02 min Scan# 1875

Delta R.T. 0.01 min

Lab File: BM023321.D

Acq: 22 Oct 2019 16:34

Instrument :

BNA_M

ClientSampleId :

ETOJ6

Tot Ion:152 Resp: 2067412

Ion Ratio Lower Upper

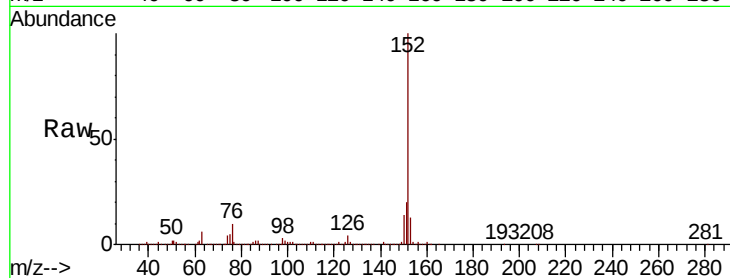
152 100

151 20.2 15.9 23.9

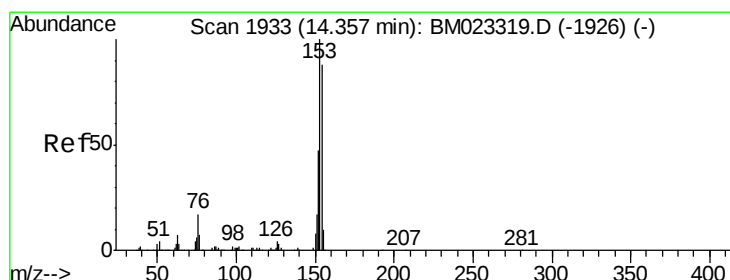
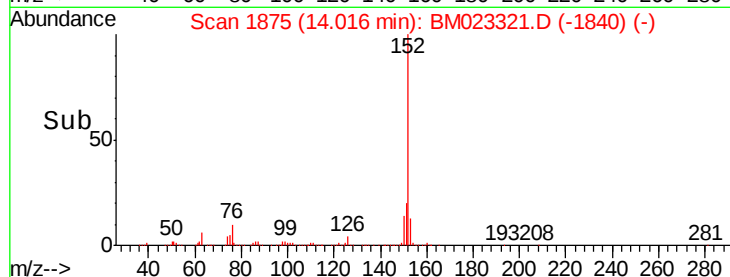
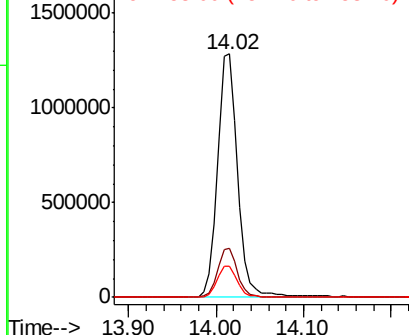
153 12.9 10.3 15.5

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Acenaphthene

Concen: 7.813 ng/ul

RT: 14.36 min Scan# 1933

Delta R.T. 0.00 min

Lab File: BM023321.D

Acq: 22 Oct 2019 16:34

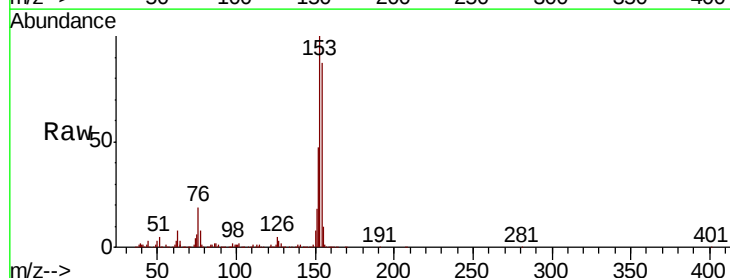
Tgt Ion:153 Resp: 428045

Ion Ratio Lower Upper

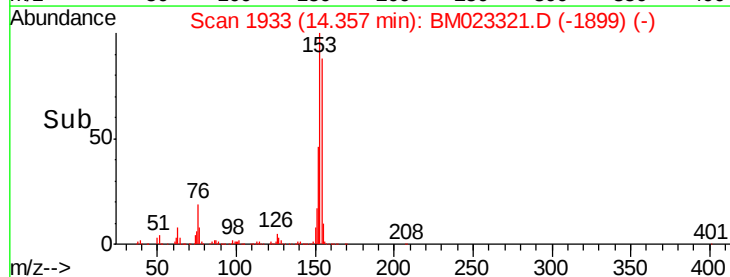
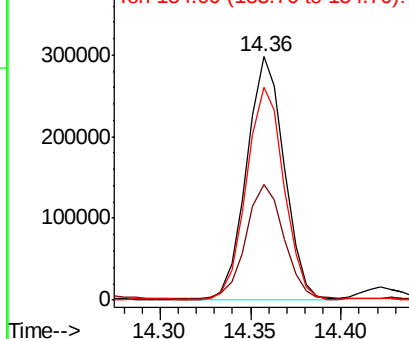
153 100

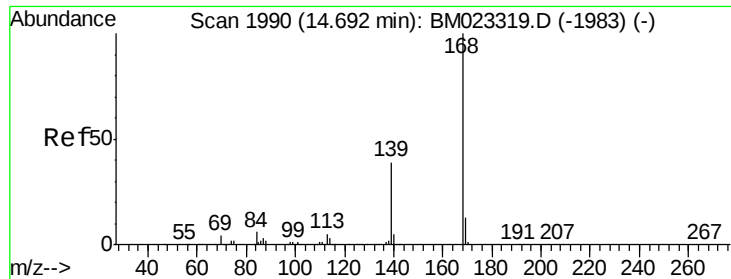
152 47.3 37.4 56.0

154 87.3 70.7 106.1



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





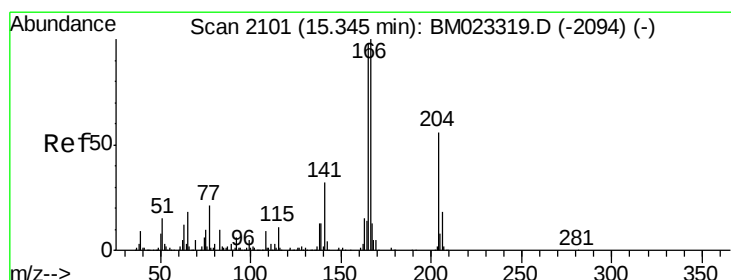
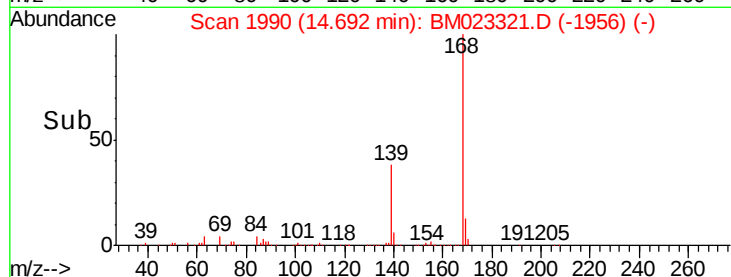
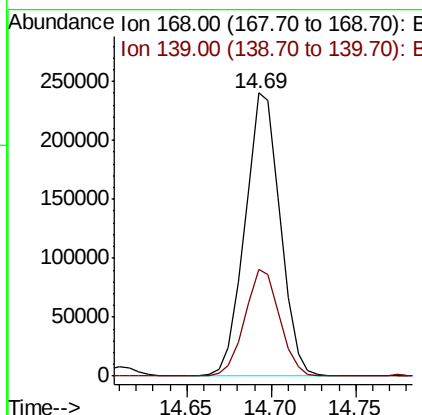
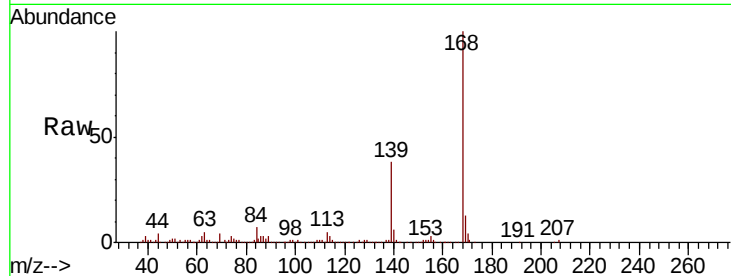
#54
Dibenzenofuran
Concen: 4.485 ng/ul
RT: 14.69 min Scan# 1990
Delta R.T. 0.00 min
Lab File: BM023321.D
Acq: 22 Oct 2019 16:34

Instrument :
BNA_M
ClientSampleId :
ETOJ6

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.9	31.0	46.4

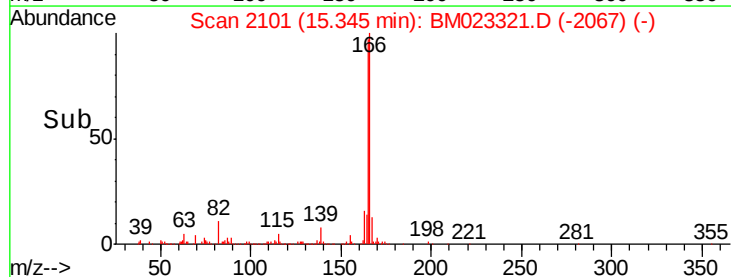
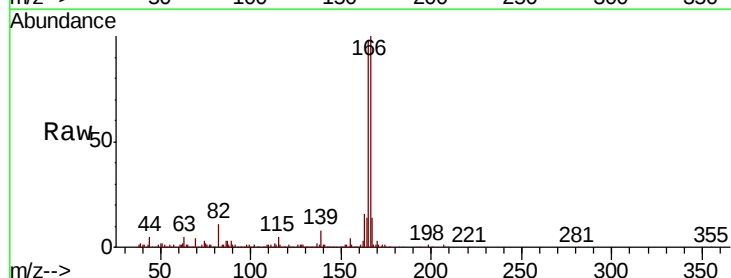
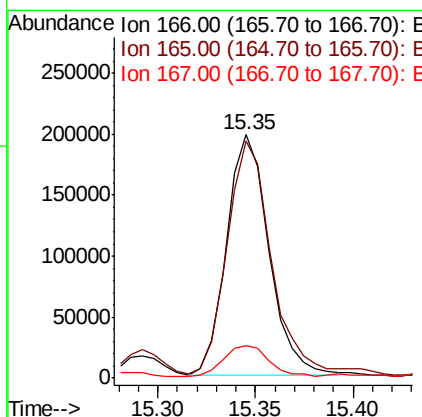
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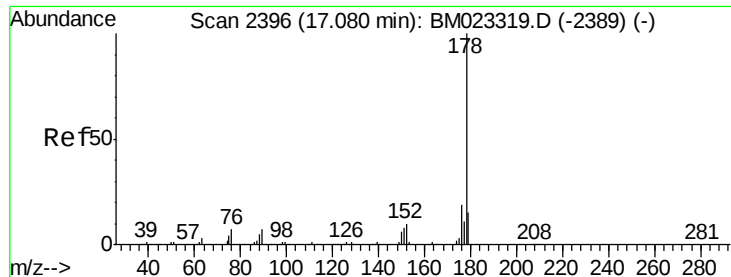
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#59
Fluorene
Concen: 4.634 ng/ul
RT: 15.35 min Scan# 2101
Delta R.T. 0.00 min
Lab File: BM023321.D
Acq: 22 Oct 2019 16:34

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.3	117.5
167	13.6	10.7	16.1





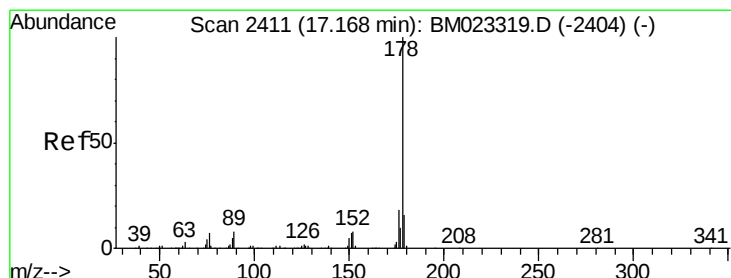
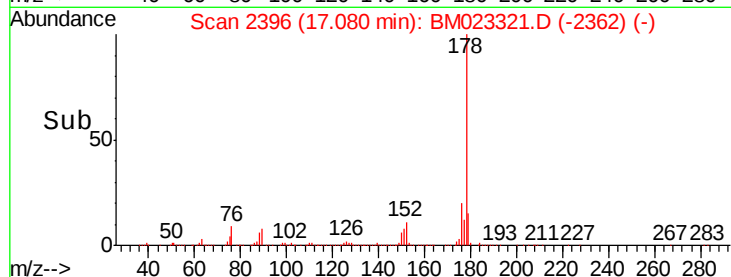
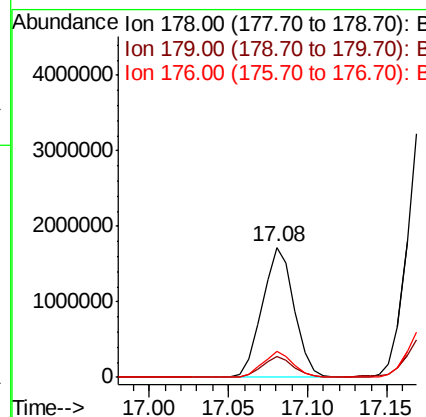
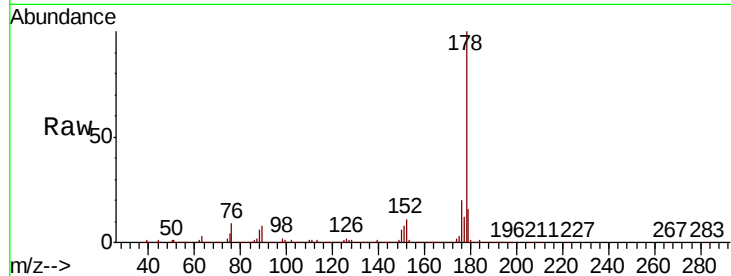
#70
Phenanthrene
Concen: 23.486 ng/ul
RT: 17.08 min Scan# 2396
Delta R.T. 0.00 min
Lab File: BM023321.D
Acq: 22 Oct 2019 16:34

Instrument :
BNA_M
ClientSampleId :
ETOJ6

Tot Ion:178 Resp: 2408463
Ion Ratio Lower Upper
178 100
179 15.6 11.7 17.5
176 19.7 15.0 22.4

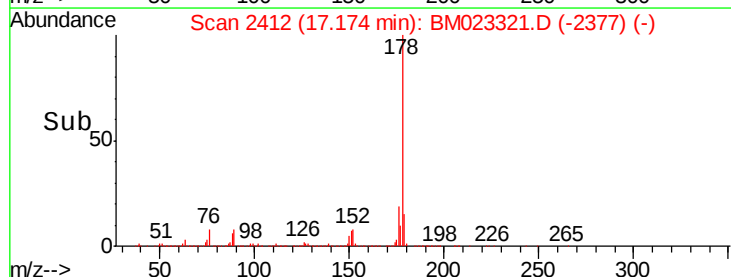
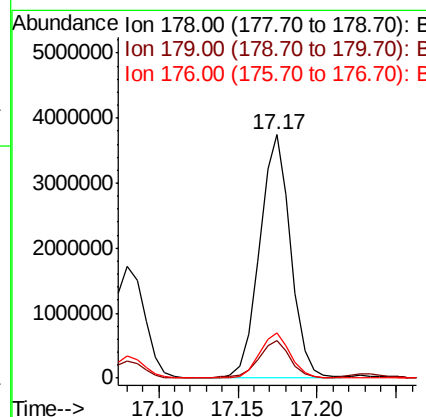
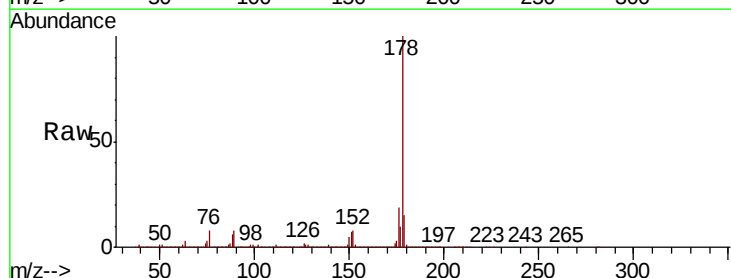
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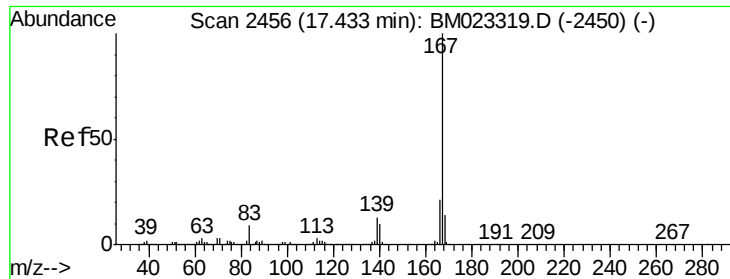
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#72
Anthracene
Concen: 47.909 ng/ul
RT: 17.17 min Scan# 2412
Delta R.T. 0.01 min
Lab File: BM023321.D
Acq: 22 Oct 2019 16:34

Tgt Ion:178 Resp: 5076919
Ion Ratio Lower Upper
178 100
179 15.5 12.5 18.7
176 18.6 14.8 22.2





#75

Carbazole

Concen: 9.021 ng/ul

RT: 17.44 min Scan# 2457

Delta R.T. 0.01 min

Lab File: BM023321.D

Acq: 22 Oct 2019 16:34

Instrument :

BNA_M

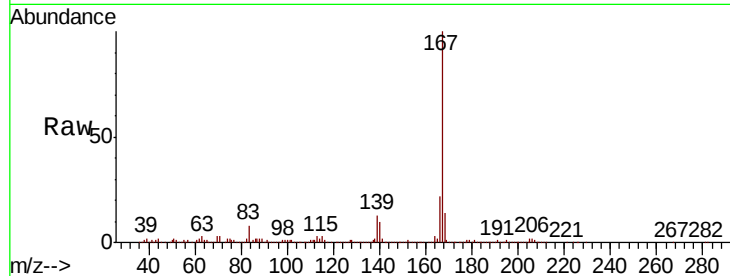
ClientSampleId :

ETOJ6

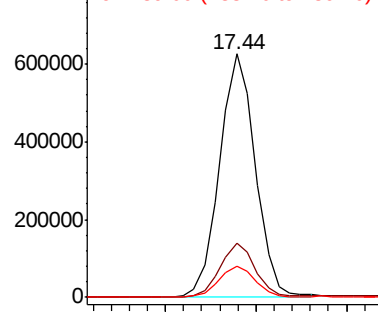
Tot Ion:	167	Resp:	854004
Ion Ratio	Lower	Upper	
167	100		
166	22.0	17.0	25.6
139	12.8	10.5	15.7

Manual Integrations
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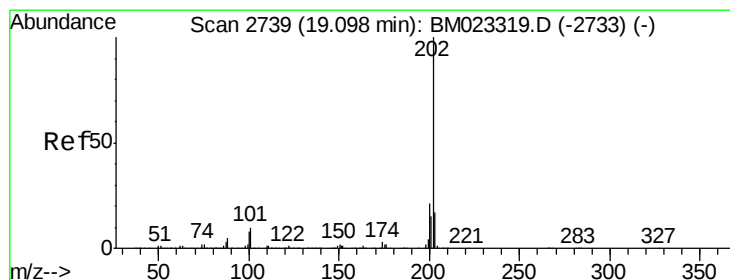
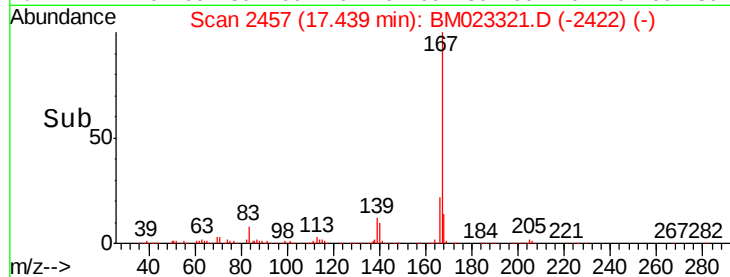
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



Time-->



#77

Fluoranthene

Concen: 93.468 ng/ul

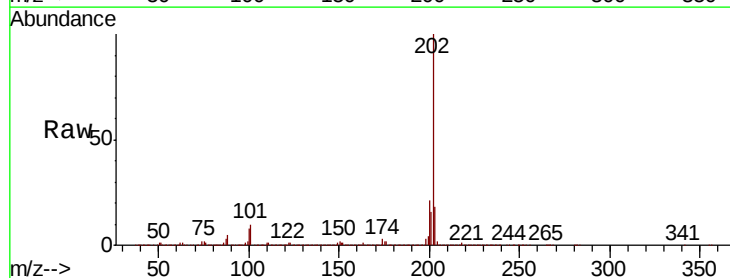
RT: 19.10 min Scan# 2740

Delta R.T. 0.01 min

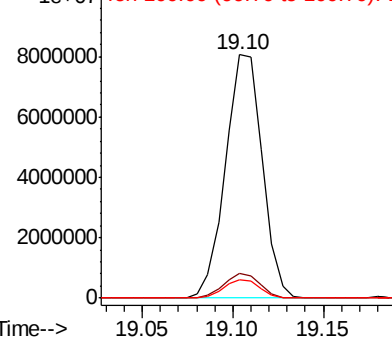
Lab File: BM023321.D

Acq: 22 Oct 2019 16:34

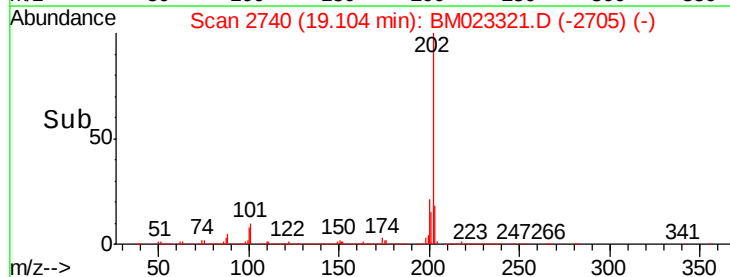
Tgt Ion:	202	Resp:	11399360
Ion Ratio	Lower	Upper	
202	100		
101	10.2	8.2	12.4
100	7.7	6.1	9.1

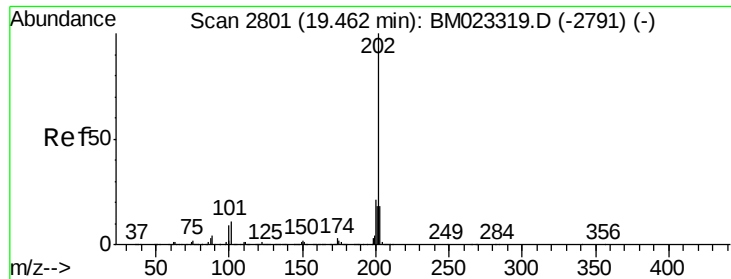


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



Time-->





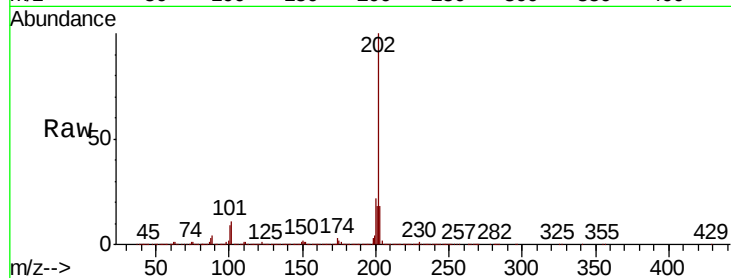
#80
Pvrene
Concen: 91.293 ng/ul
RT: 19.47 min Scan# 2803
Delta R.T. 0.01 min
Lab File: BM023321.D
Acq: 22 Oct 2019 16:34

Instrument :
BNA_M
ClientSampled :
ETOJ6

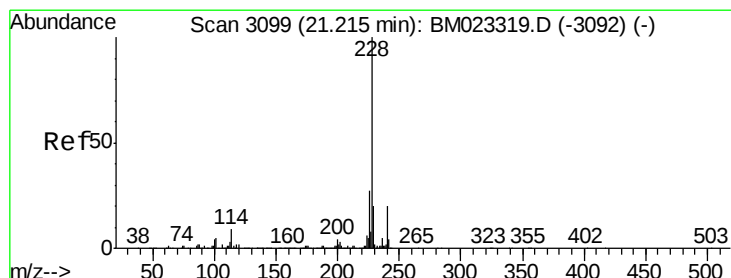
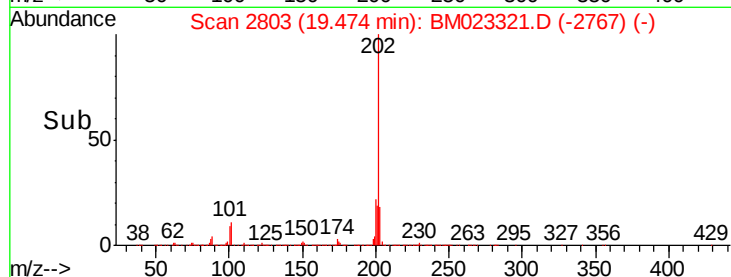
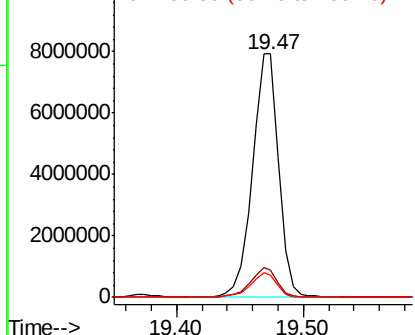
Tot Ion:202 Resp:11422267
Ion Ratio Lower Upper
202 100
101 11.1 9.0 13.6
100 9.2 7.5 11.3

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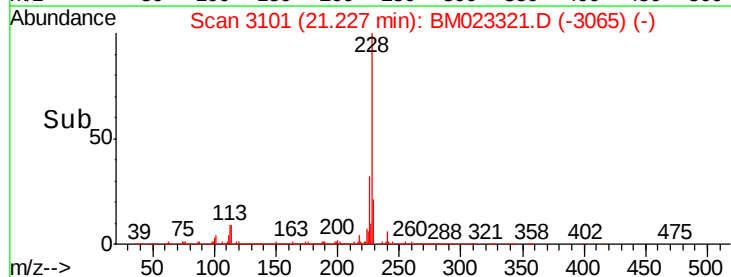
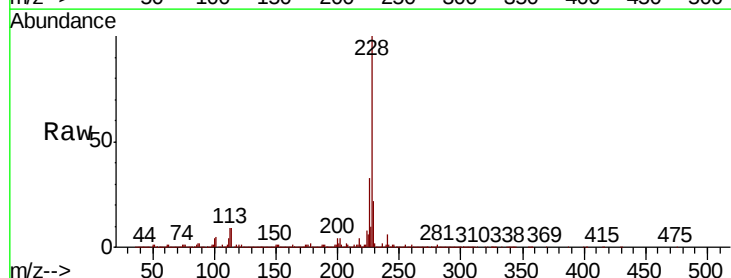
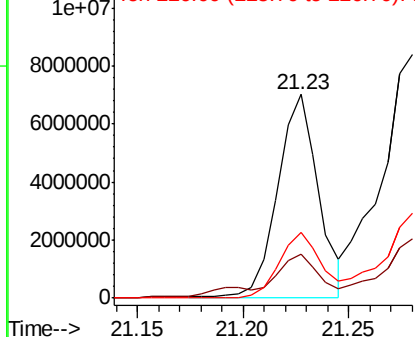
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

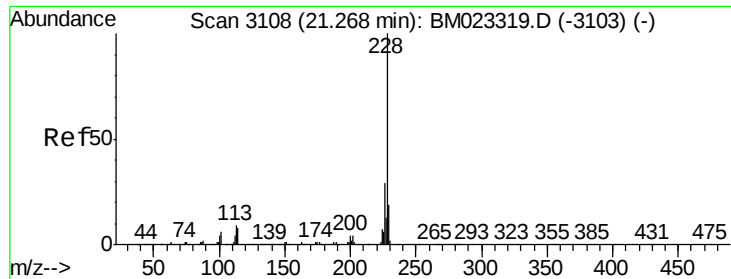


#83
Benzo(a)anthracene
Concen: 69.438 ng/ul
RT: 21.23 min Scan# 3101
Delta R.T. 0.01 min
Lab File: BM023321.D
Acq: 22 Oct 2019 16:34

Tgt Ion:228 Resp: 9396714
Ion Ratio Lower Upper
228 100
229 21.7 15.8 23.8
226 32.5 21.5 32.3#

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





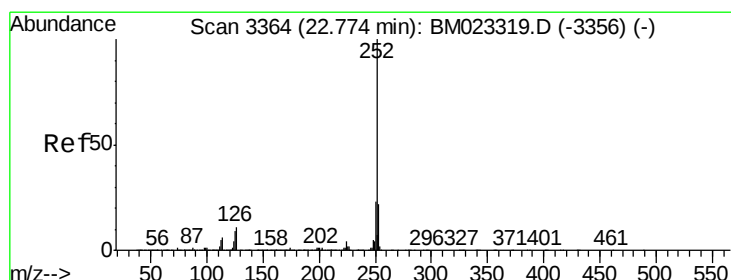
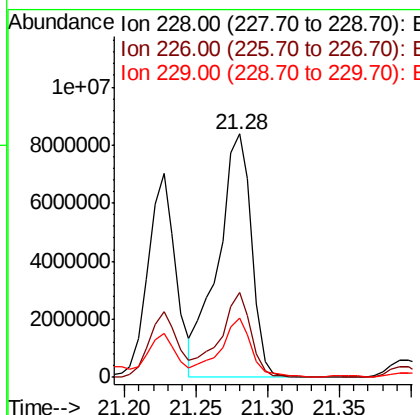
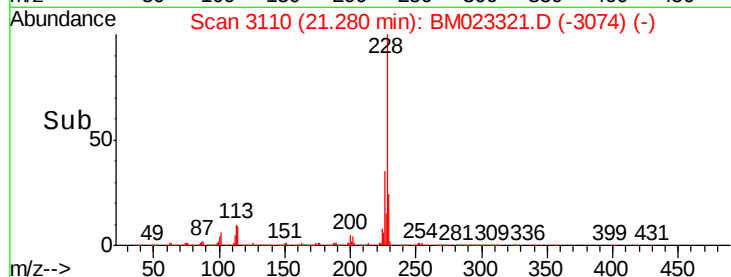
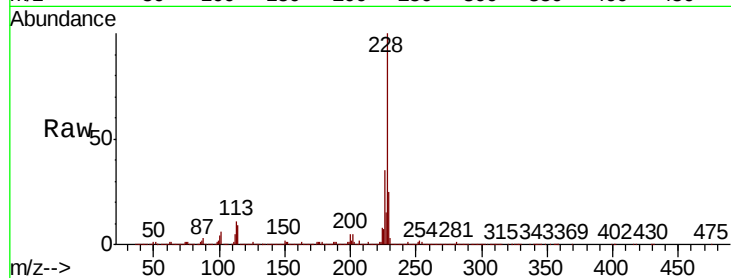
#85
 Chrysene
 Concen: 109.932 ng/ul m
 RT: 21.28 min Scan# 3110
 Delta R.T. 0.01 min
 Lab File: BM023321.D
 Acq: 22 Oct 2019 16:34

Instrument :
 BNA_M
 ClientSampleID :
 ETOJ6

Tot Ion:228 Resp:13813494
 Ion Ratio Lower Upper
 228 100
 226 35.0 23.4 35.0
 229 24.6 15.5 23.3#

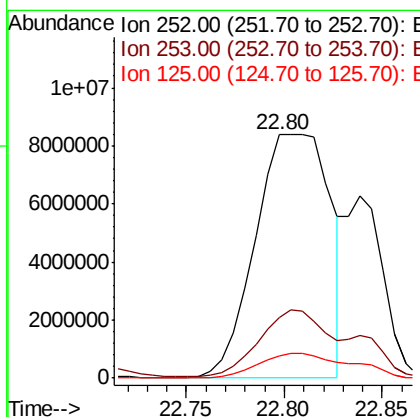
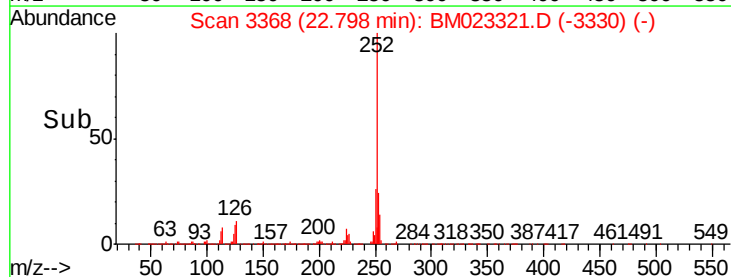
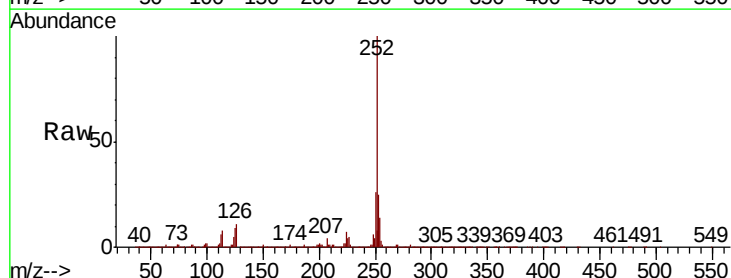
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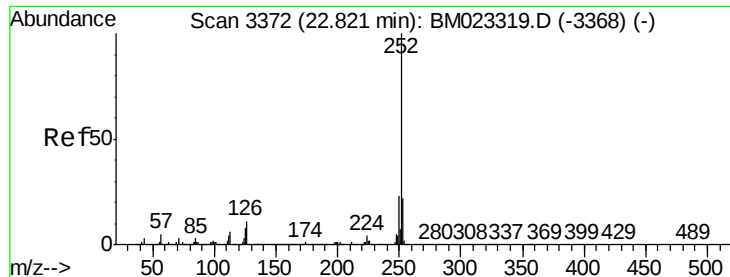
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#88
 Benzo(b)fluoranthene
 Concen: 143.987 ng/ul m
 RT: 22.80 min Scan# 3368
 Delta R.T. 0.02 min
 Lab File: BM023321.D
 Acq: 22 Oct 2019 16:34

Tgt Ion:252 Resp:22341855
 Ion Ratio Lower Upper
 252 100
 253 25.0 17.3 25.9
 125 9.0 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 55.943 ng/ul m

RT: 22.84 min Scan# 3375

Delta R.T. 0.02 min

Lab File: BM023321.D

Acq: 22 Oct 2019 16:34

Instrument :

BNA_M

ClientSampleId :

ETOJ6

Tot Ion:252 Resp: 8335041

Ion Ratio Lower Upper

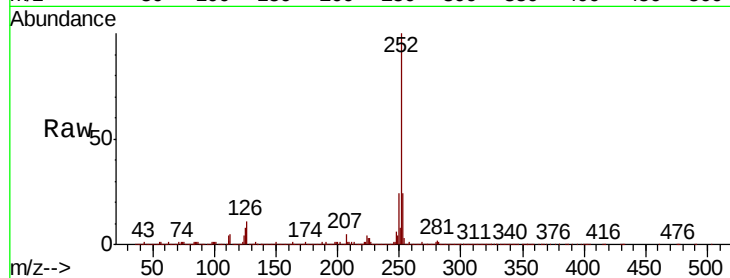
252 100

253 23.8 17.5 26.3

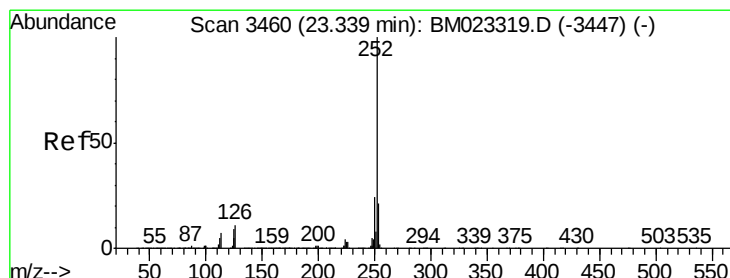
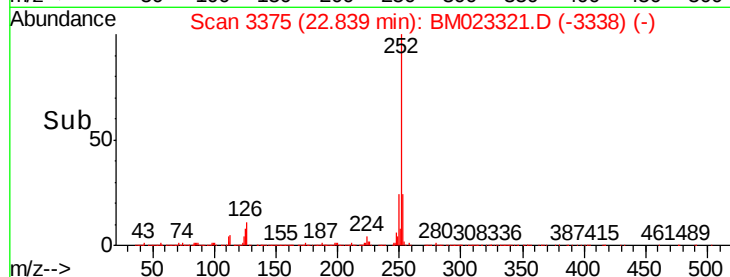
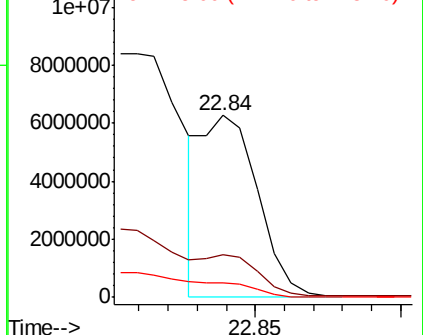
125 8.3 6.6 9.8

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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

Benzo(a)pyrene

Concen: 80.429 ng/ul

RT: 23.36 min Scan# 3464

Delta R.T. 0.02 min

Lab File: BM023321.D

Acq: 22 Oct 2019 16:34

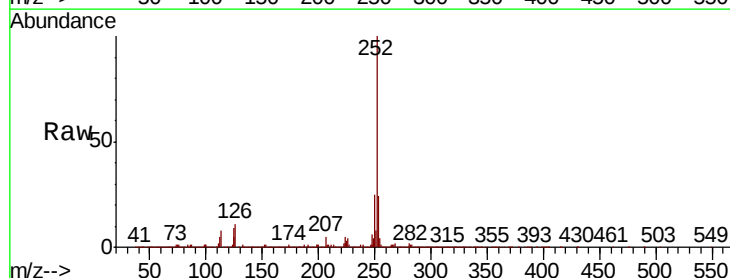
Tgt Ion:252 Resp:11973297

Ion Ratio Lower Upper

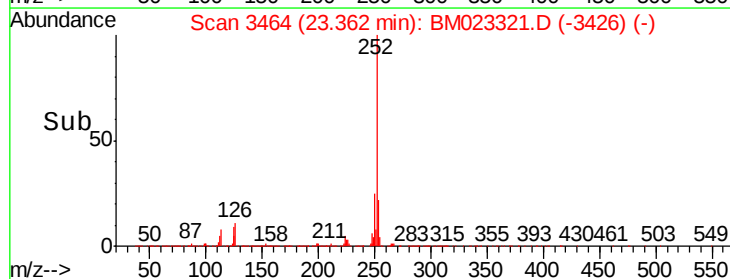
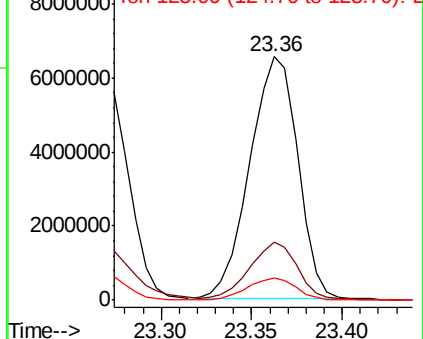
252 100

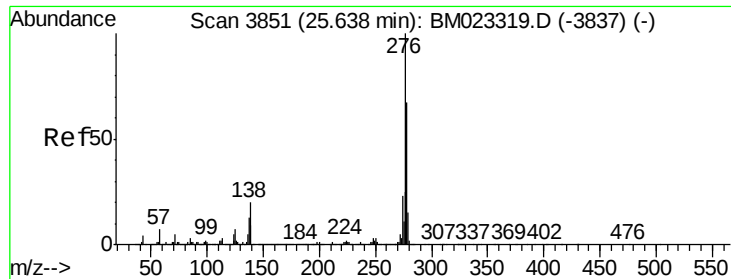
253 23.6 17.0 25.6

125 9.0 7.1 10.7



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





#92

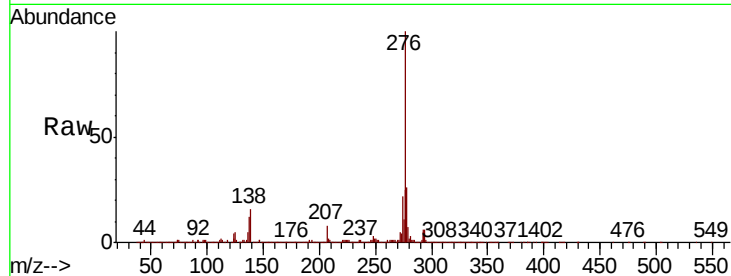
Indeno(1,2,3-cd)pyrene
Concen: 65.466 ng/ul m
RT: 25.68 min Scan# 3858
Delta R.T. 0.04 min
Lab File: BM023321.D
Acq: 22 Oct 2019 16:34

Instrument :
BNA_M
ClientSampled :
ETOJ6

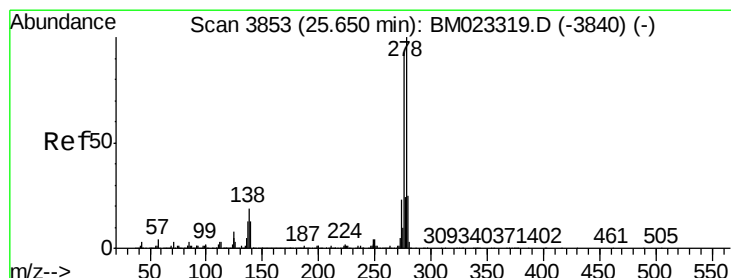
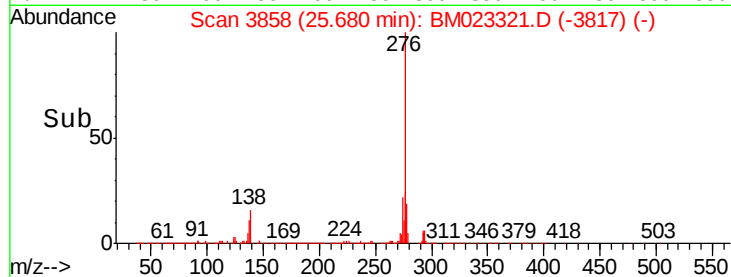
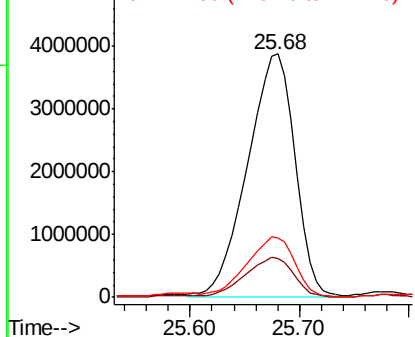
Tot Ion:276 Resp:11593815
Ion Ratio Lower Upper
276 100
138 16.0 15.8 23.6
277 24.6 19.8 29.8

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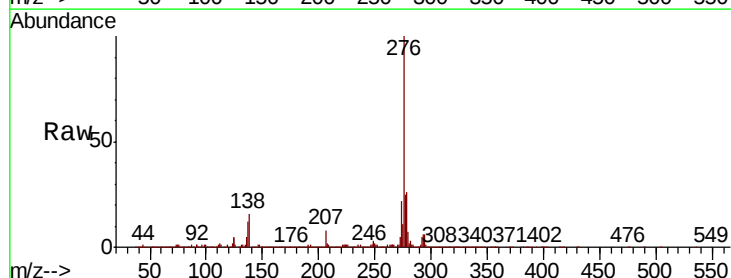
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



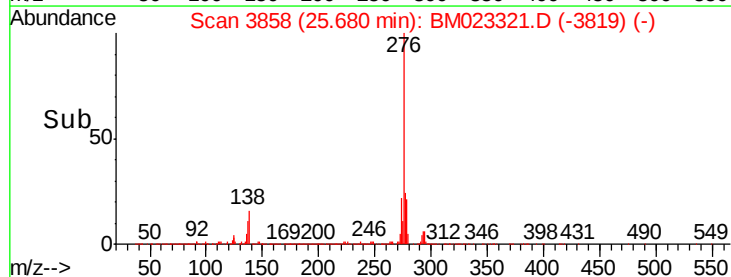
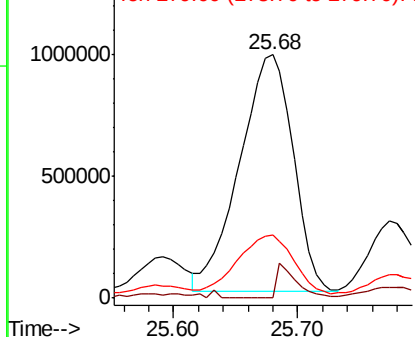
#93

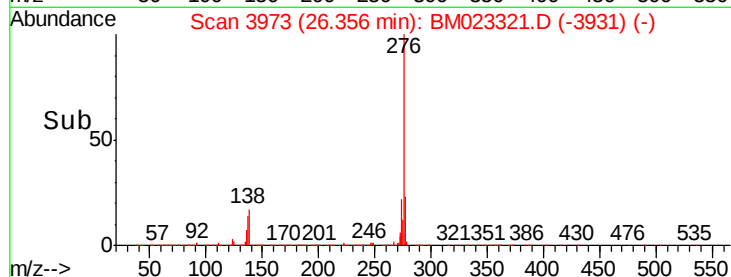
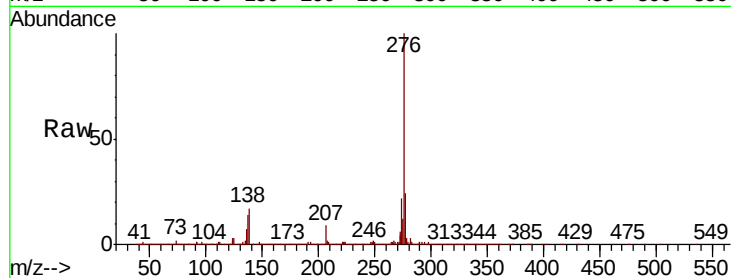
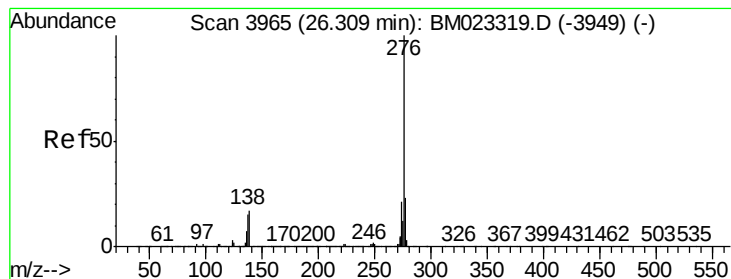
Dibenzo(a,h)anthracene
Concen: 19.830 ng/ul m
RT: 25.68 min Scan# 3858
Delta R.T. 0.03 min
Lab File: BM023321.D
Acq: 22 Oct 2019 16:34

Tgt Ion:278 Resp: 2936354
Ion Ratio Lower Upper
278 100
139 0.0 10.5 15.7#
279 25.7 19.7 29.5



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





#94

Benzo(a,h,i)perylene

Concen: 73.313 ng/ul m

RT: 26.36 min Scan# 3973

Delta R.T. 0.05 min

Lab File: BM023321.D

Acq: 22 Oct 2019 16:34

Instrument :

BNA_M

ClientSampleId :

ETOJ6

Tot Ion:276 Resp:10689926

Ion Ratio Lower Upper

276 100

138 17.3 13.9 20.9

277 24.2 18.7 28.1

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