

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
 Data File : BM023329.D
 Acq On : 22 Oct 2019 21:20
 Operator : JU
 Sample : K5354-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 BFB84

Manual Integrations
 APPROVED

mohammad
 10/24/2019 8:08:51 AM

Quant Time: Oct 23 02:59:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 23 01:39:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	405545	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1594324	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	994896	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	2074361	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	2192725	20.00	ng/ul	0.00
86) Perylene-d12	23.44	264	2714546	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.17	96	32037	3.48	ng/uL	0.00
5) Phenol-d5	6.82	99	646352	18.30	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	367849	18.41	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	527780	19.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	518101	18.26	ng/ul	0.00
19) Nitrobenzene-d5	8.79	128	256727	23.80	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	283873	27.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	548077	20.98	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	436621	13.74	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	1660461	21.78	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	1983249	22.18	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	228061	18.48	ng/ul	0.00
58) Fluorene-d10	15.29	176	1461782	22.50	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	164656	20.02	ng/ul	0.00
71) Anthracene-d10	17.14	188	2312012	23.11	ng/ul	0.00
79) Pyrene-d10	19.44	212	2559449	24.10	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.30	264	3206957	23.31	ng/ul	0.01

Target Compounds

					Ovalue
6) Phenol	6.85	94	65806	1.807	ng/ul 99
28) Naphthalene	10.47	128	167168	2.029	ng/ul 97
45) Dimethylphthalate	13.76	163	688719	9.025	ng/ul 100
48) Acenaphthylene	14.01	152	551928	6.037	ng/ul 99
50) Acenaphthene	14.36	153	92130	1.447	ng/ul 96
54) Dibenzofuran	14.69	168	92581	1.024	ng/ul 98
59) Fluorene	15.34	166	123057	1.659	ng/ul# 92
70) Phenanthrene	17.08	178	2912881	25.022	ng/ul 99
72) Anthracene	17.17	178	684210	5.688	ng/ul 100
75) Carbazole	17.44	167	172878	1.609	ng/ul 98
77) Fluoranthene	19.10	202	4905944	35.435	ng/ul 99
80) Pyrene	19.47	202	4832673	35.181	ng/ul 99
83) Benzo(a)anthracene	21.22	228	2817976	18.967	ng/ul 94
84) Bis(2-ethylhexyl)phthalate	21.17	149	79759	1.050	ng/ul# 98
85) Chrysene	21.27	228	2778230	20.139	ng/ul 97
88) Benzo(b)fluoranthene	22.79	252	3638707	22.108	ng/ul 97
89) Benzo(k)fluoranthene	22.82	252	1293928m	8.188	ng/ul
91) Benzo(a)pyrene	23.34	252	2916775	18.472	ng/ul 98
92) Indeno(1,2,3-cd)pyrene	25.65	276	2090146	11.127	ng/ul 97
93) Dibenz(a,h)anthracene	25.65	278	587990	3.744	ng/ul# 90
94) Benzo(a,h,i)perylene	26.33	276	2015431	13.031	ng/ul 99

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ALS Vial : 11 Sample Multiplier: 1

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

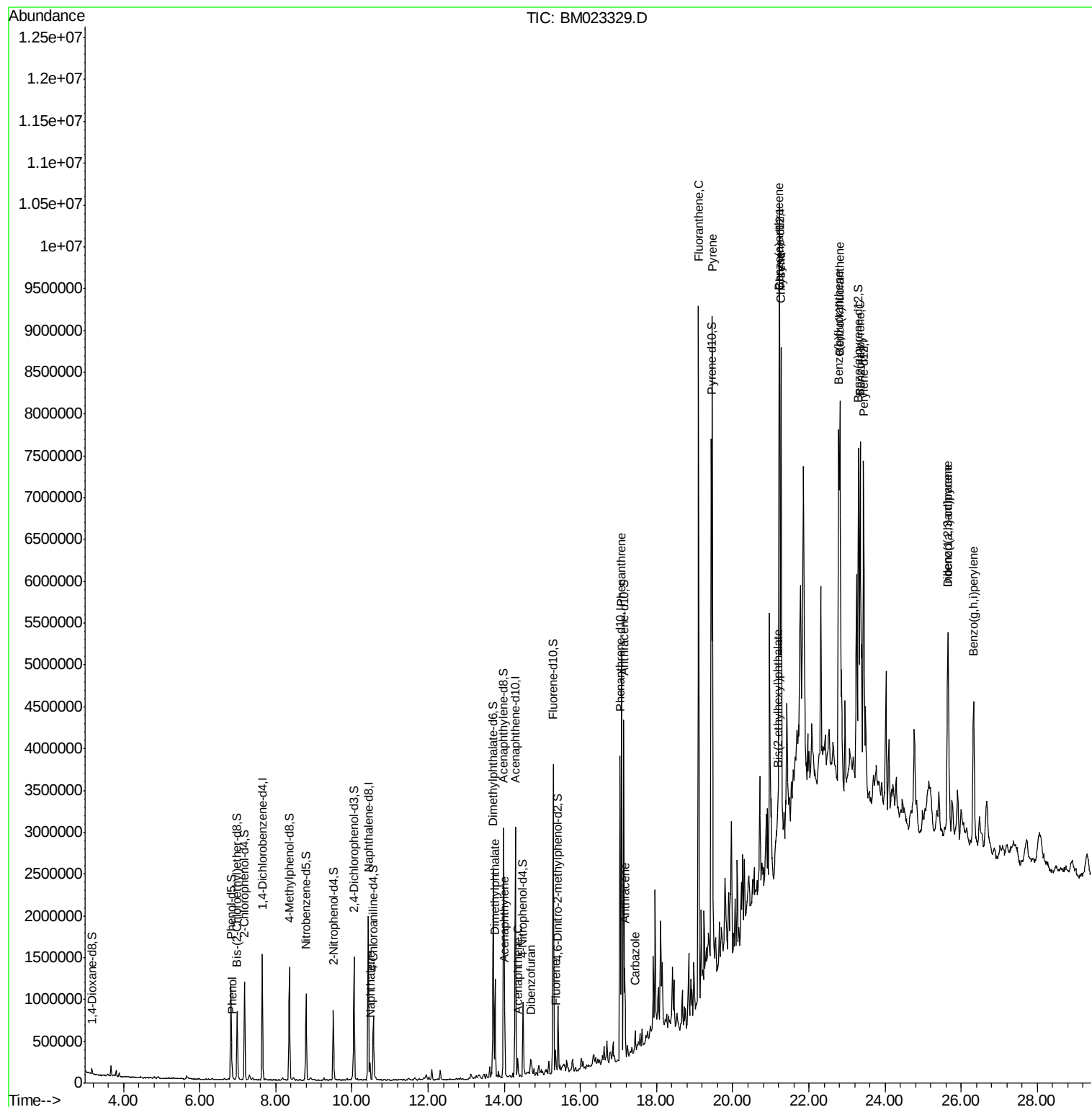
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
Data File : BM023329.D
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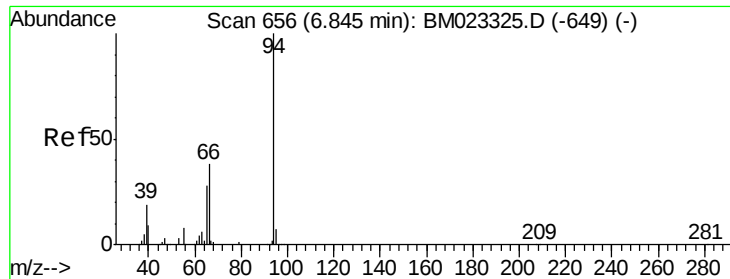
Instrument :
BNA_M
ClientSampled :
BFB84

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#6

Phenol

Concen: 1.807 ng/ul

RT: 6.85 min Scan# 657

Delta R.T. 0.01 min

Lab File: BM023329.D

Acq: 22 Oct 2019 21:20

Instrument :

BNA_M

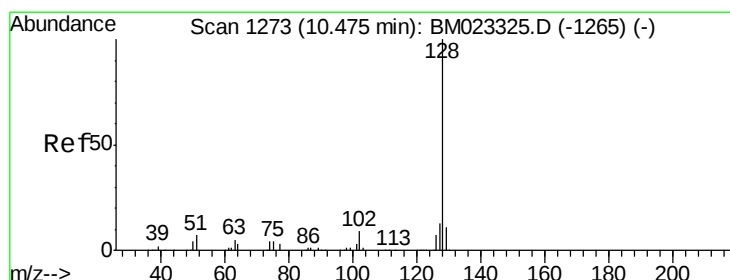
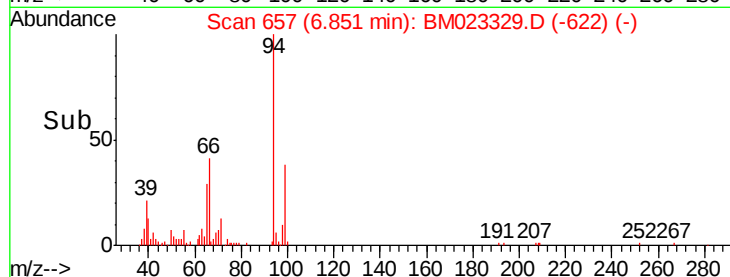
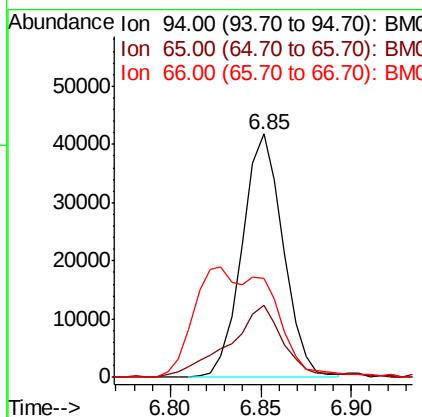
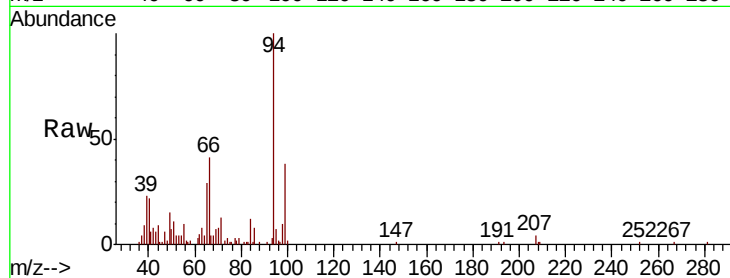
ClientSampleId :

BFB84

Tot Ion:	94	Resp:	65806
Ion	Ratio	Lower	Upper
94	100		
65	29.5	23.2	34.8
66	40.6	32.9	49.3

Manual Integrations
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#28

Naphthalene

Concen: 2.029 ng/ul

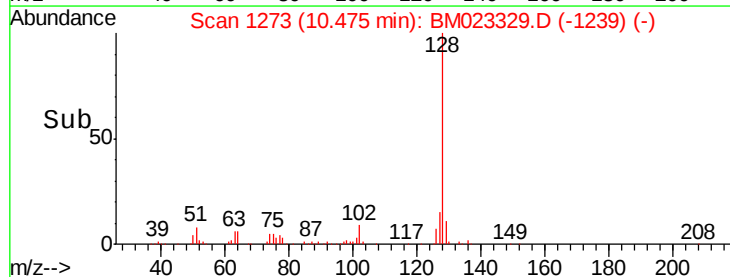
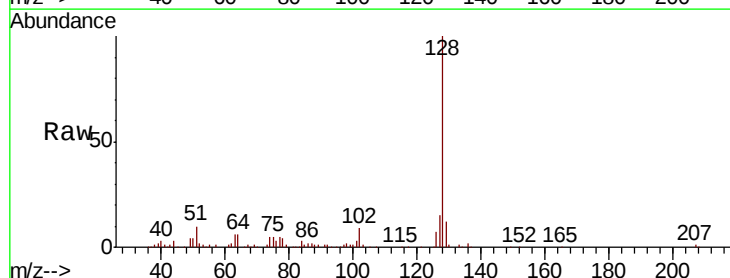
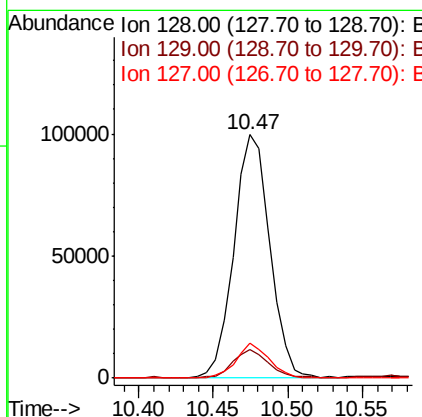
RT: 10.47 min Scan# 1273

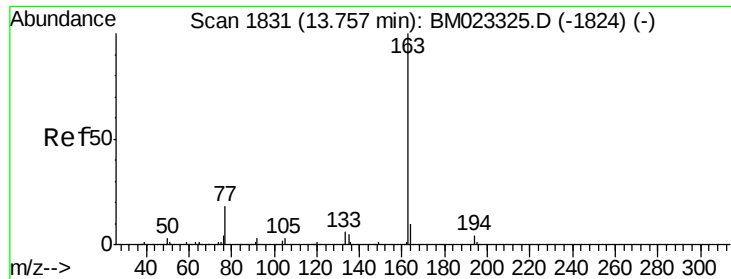
Delta R.T. 0.00 min

Lab File: BM023329.D

Acq: 22 Oct 2019 21:20

Tgt Ion:	128	Resp:	167168
Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.8	13.2
127	14.6	10.2	15.4





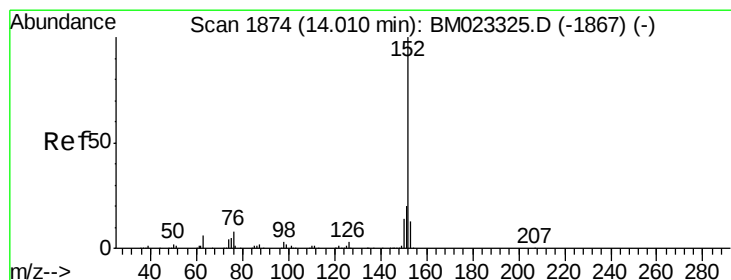
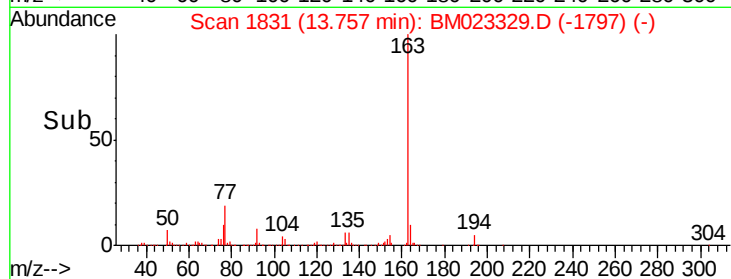
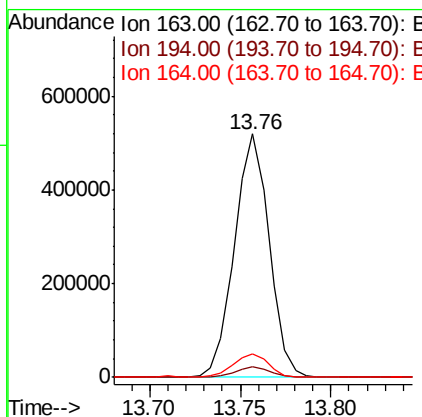
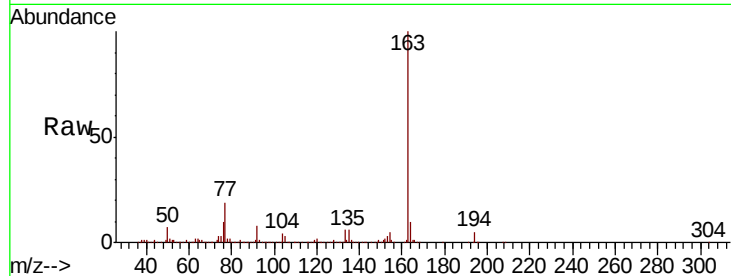
#45
Dimethylphthalate
Concen: 9.025 ng/ul
RT: 13.76 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BM023329.D
Acq: 22 Oct 2019 21:20

Instrument :
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BFB84

Tot Ion	Ratio	Resp	Lower	Upper
163	100	688719		
194	4.5		3.4	5.2
164	9.7		7.8	11.6

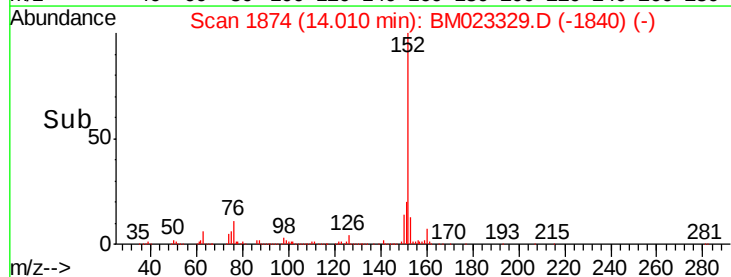
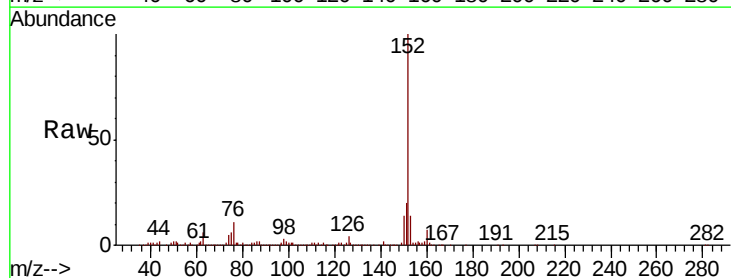
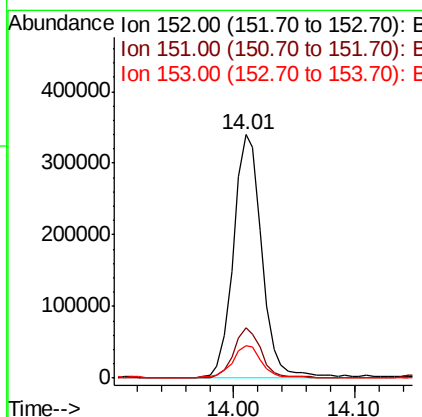
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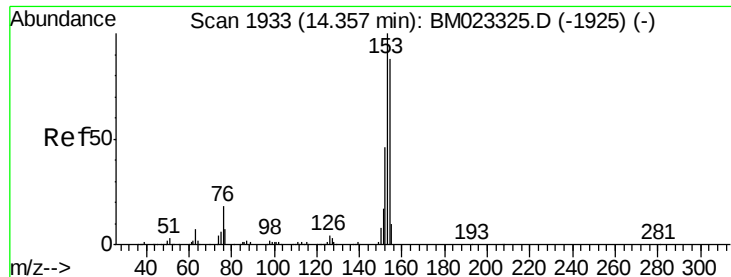
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#48
Acenaphthylene
Concen: 6.037 ng/ul
RT: 14.01 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM023329.D
Acq: 22 Oct 2019 21:20

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	551928		
151	20.4		15.9	23.9
153	13.5		10.3	15.5





#50

Acenaphthene

Concen: 1.447 ng/ul

RT: 14.36 min Scan# 1933

Delta R.T. 0.00 min

Lab File: BM023329.D

Acq: 22 Oct 2019 21:20

Instrument :

BNA_M

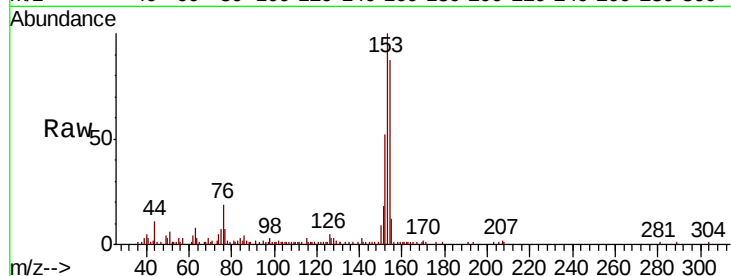
ClientSampleId :

BFB84

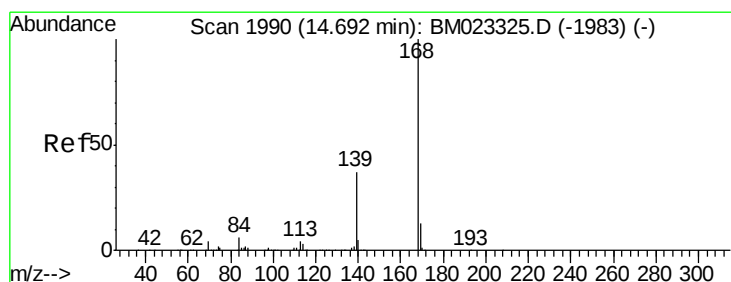
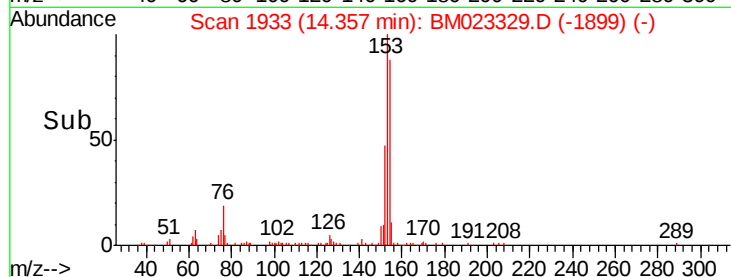
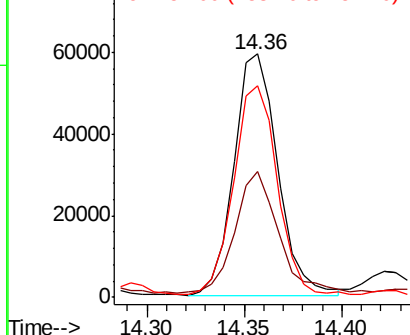
Tot Ion:	153	Resp:	92130
Ion	Ratio	Lower	Upper
153	100		
152	51.6	37.4	56.0
154	87.0	70.7	106.1

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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



#54

Dibenzofuran

Concen: 1.024 ng/ul

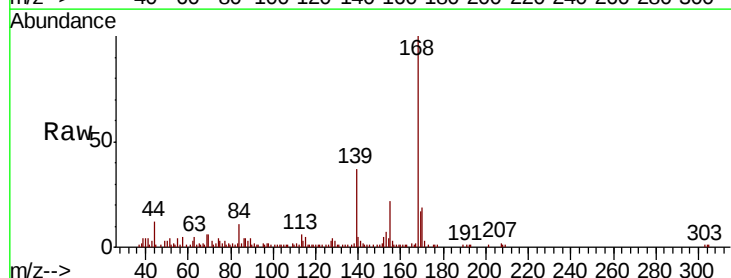
RT: 14.69 min Scan# 1990

Delta R.T. 0.00 min

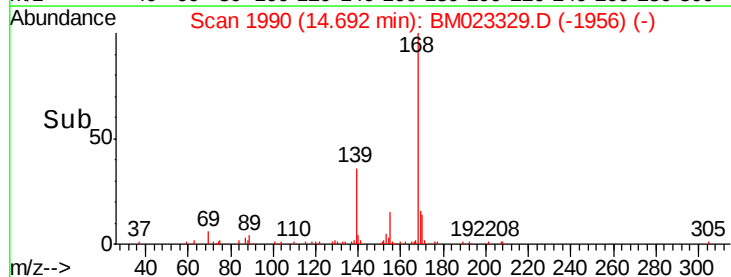
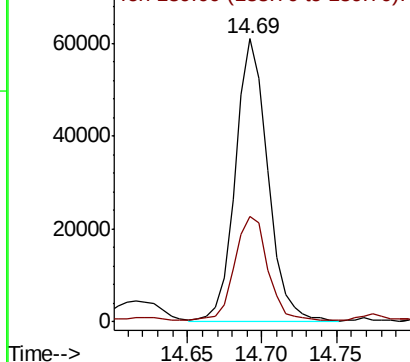
Lab File: BM023329.D

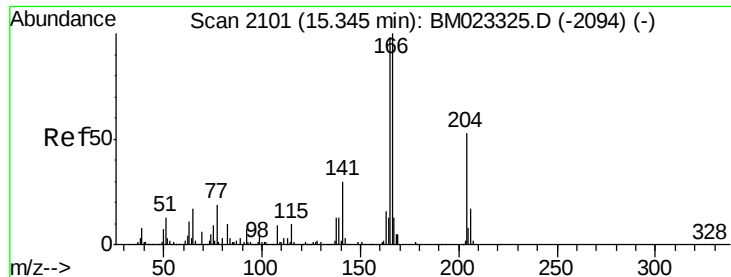
Acq: 22 Oct 2019 21:20

Tgt Ion:	168	Resp:	92581
Ion	Ratio	Lower	Upper
168	100		
139	37.3	31.0	46.4



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





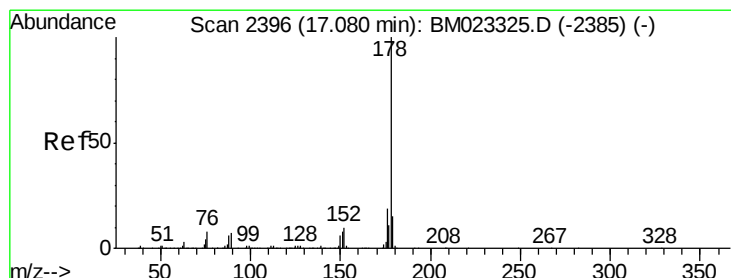
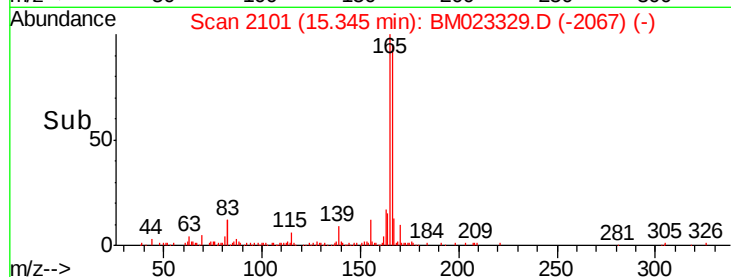
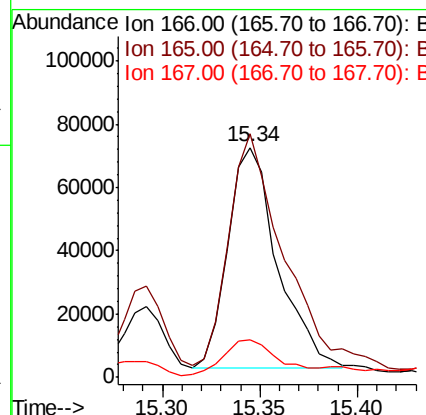
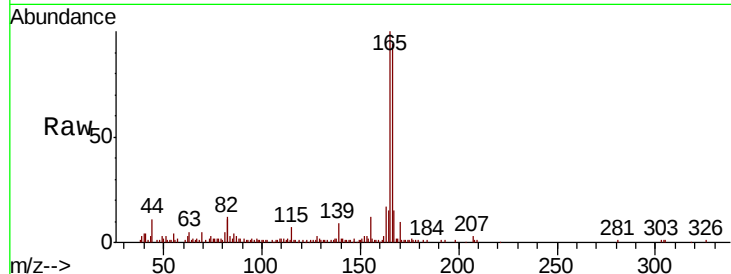
#59
 Fluorene
 Concen: 1.659 ng/ul
 RT: 15.34 min Scan# 2101
 Delta R.T. 0.00 min
 Lab File: BM023329.D
 Acq: 22 Oct 2019 21:20

Instrument :
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 ClientSampleId :
 BFB84

Tot Ion	Ratio	Lower	Upper
166	100		
165	105.9	78.3	117.5
167	16.4	10.7	16.1

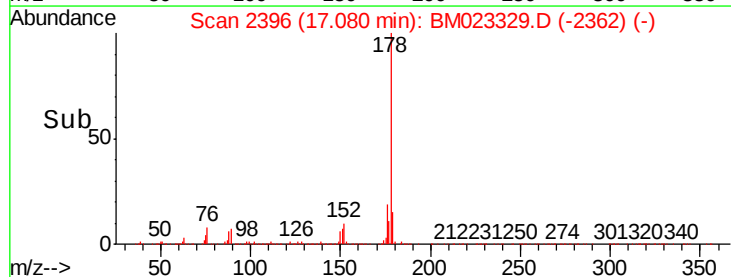
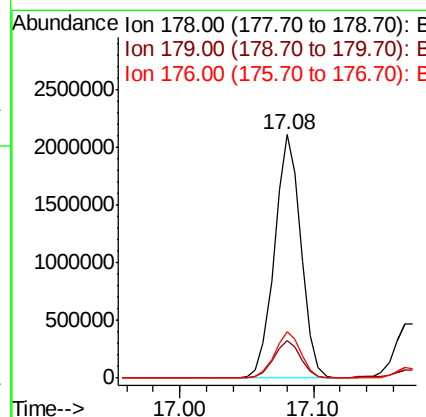
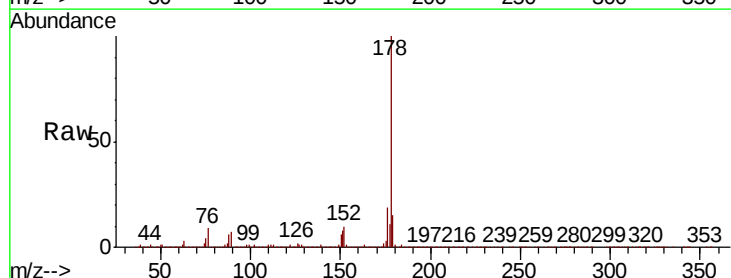
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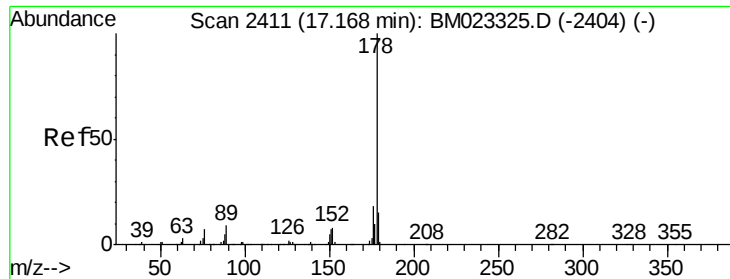
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#70
 Phenanthrene
 Concen: 25.022 ng/ul
 RT: 17.08 min Scan# 2396
 Delta R.T. 0.00 min
 Lab File: BM023329.D
 Acq: 22 Oct 2019 21:20

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	11.7	17.5
176	19.1	15.0	22.4





#72

Anthracene

Concen: 5.688 ng/ul

RT: 17.17 min Scan# 2411

Delta R.T. 0.00 min

Lab File: BM023329.D

Acq: 22 Oct 2019 21:20

Instrument :

BNA_M

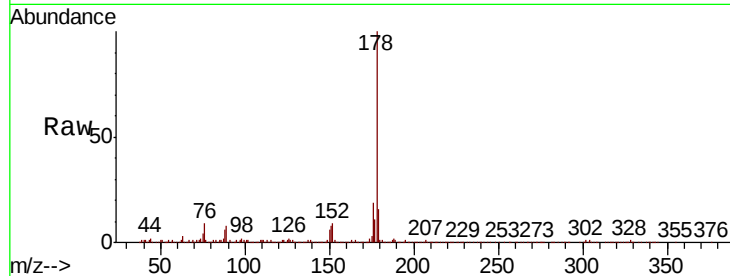
ClientSampleId :

BFB84

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.5	18.7
176	18.7	14.8	22.2

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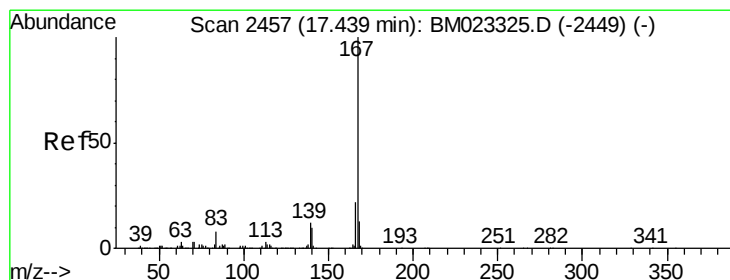
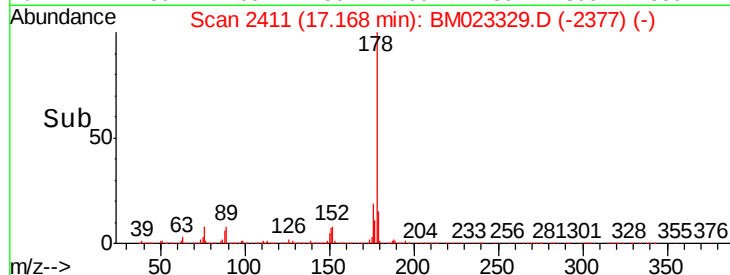
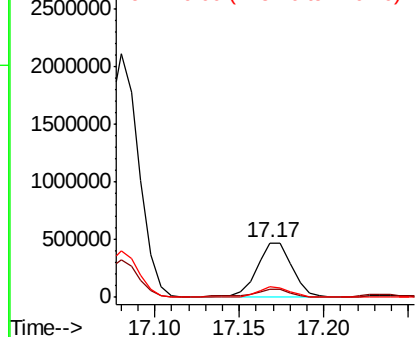


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#75

Carbazole

Concen: 1.609 ng/ul

RT: 17.44 min Scan# 2457

Delta R.T. 0.00 min

Lab File: BM023329.D

Acq: 22 Oct 2019 21:20

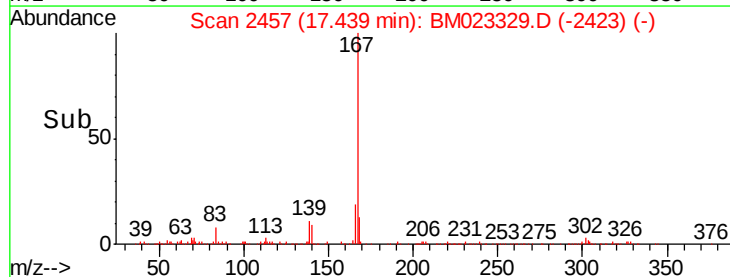
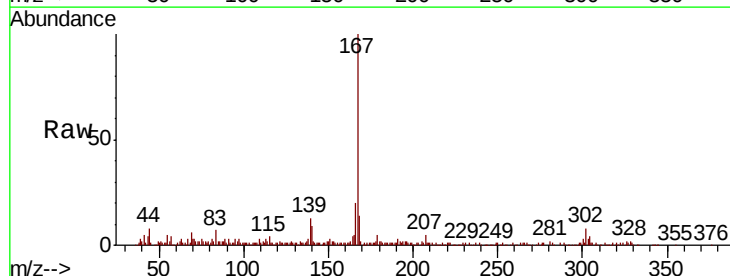
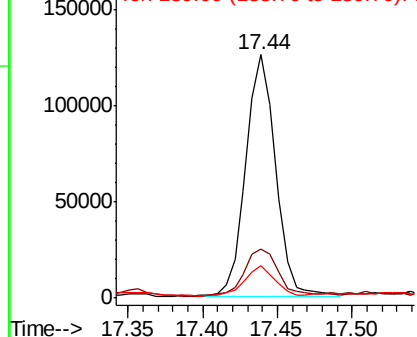
Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.1	17.0	25.6
139	13.2	10.5	15.7

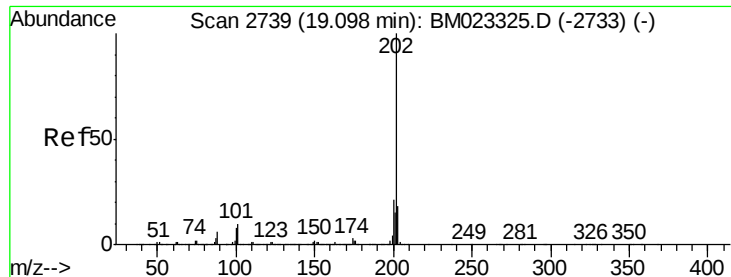
Abundance

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





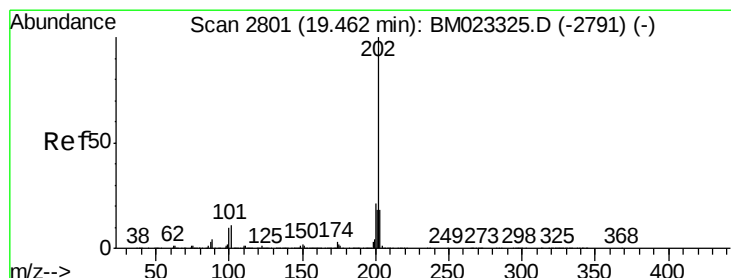
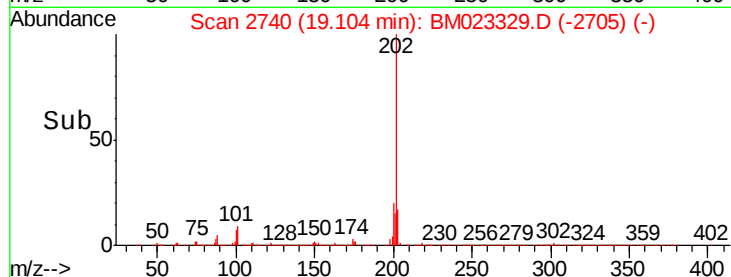
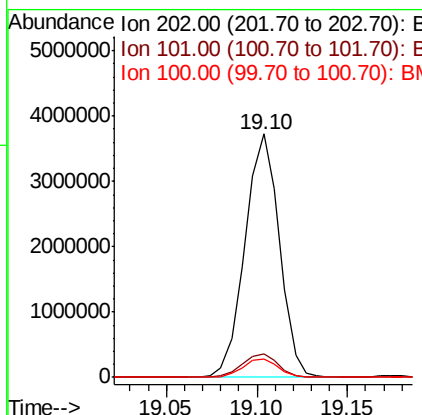
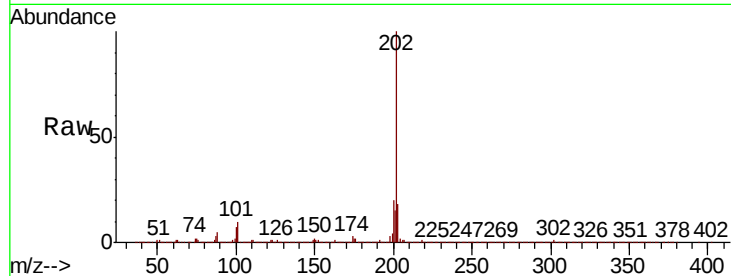
#77
 Fluoranthene
 Concen: 35.435 ng/ul
 RT: 19.10 min Scan# 2740
 Delta R.T. 0.01 min
 Lab File: BM023329.D
 Acq: 22 Oct 2019 21:20

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
202	100	4905944		
101	9.7		8.2	12.4
100	7.4		6.1	9.1

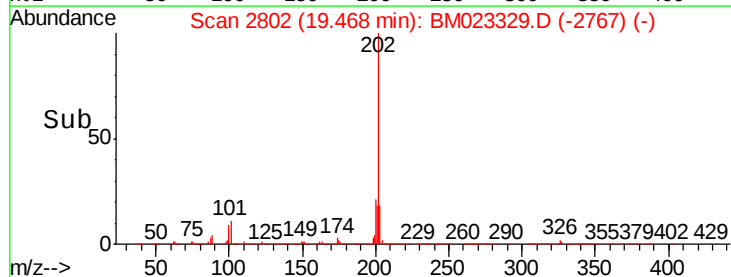
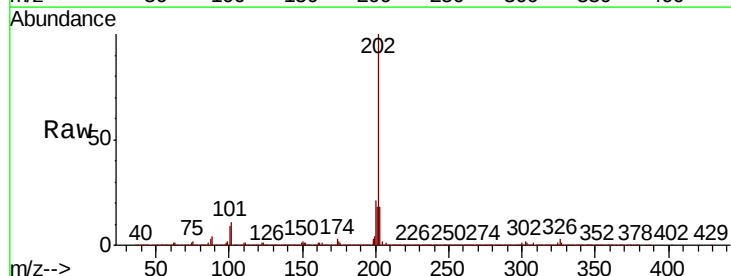
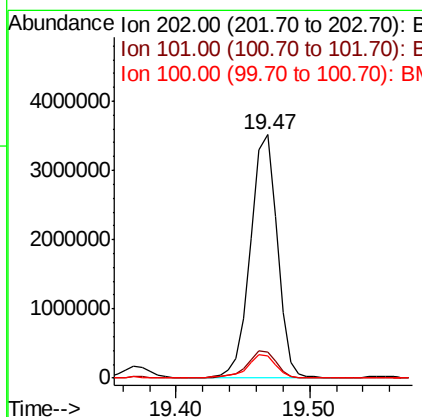
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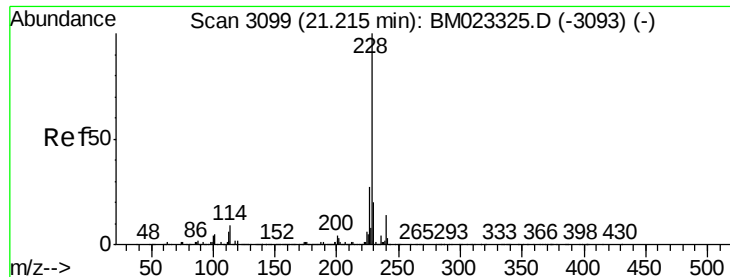
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#80
 Pyrene
 Concen: 35.181 ng/ul
 RT: 19.47 min Scan# 2802
 Delta R.T. 0.01 min
 Lab File: BM023329.D
 Acq: 22 Oct 2019 21:20

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	4832673		
101	10.9		9.0	13.6
100	9.0		7.5	11.3





#83

Benzo(a)anthracene

Concen: 18.967 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM023329.D

Acq: 22 Oct 2019 21:20

Instrument :

BNA_M

ClientSampleId :

BFB84

Tot Ion:228 Resp: 2817976

Ion Ratio Lower Upper

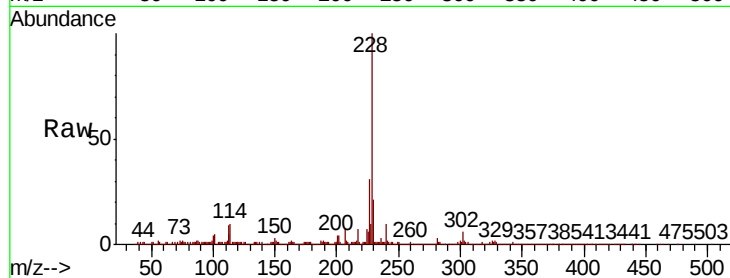
228 100

229 21.0 15.8 23.8

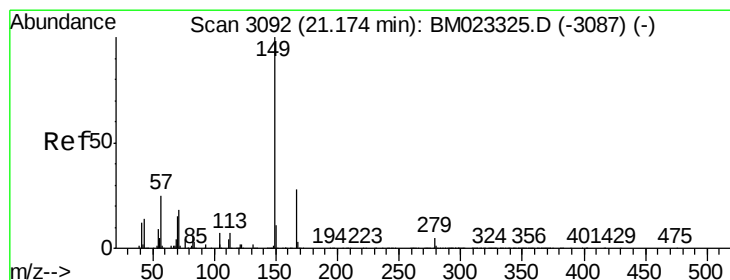
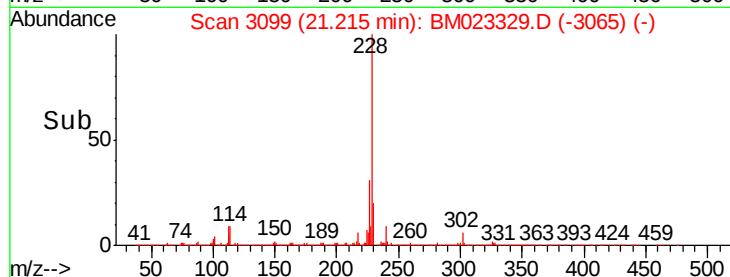
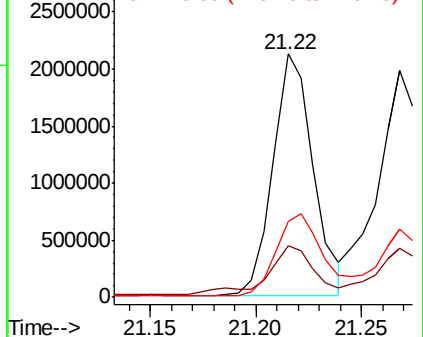
226 31.3 21.5 32.3

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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

Bis(2-ethylhexyl)phthalate

Concen: 1.050 ng/ul

RT: 21.17 min Scan# 3092

Delta R.T. 0.00 min

Lab File: BM023329.D

Acq: 22 Oct 2019 21:20

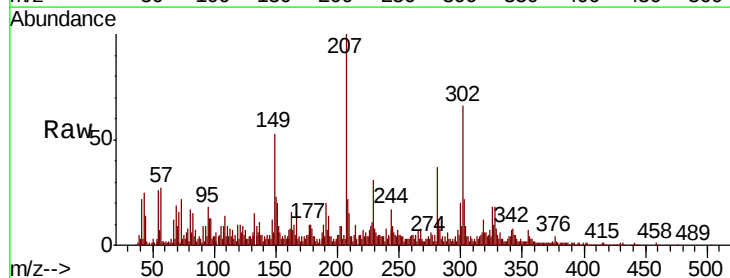
Tgt Ion:149 Resp: 79759

Ion Ratio Lower Upper

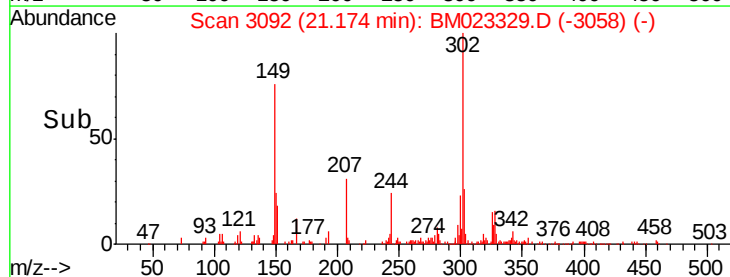
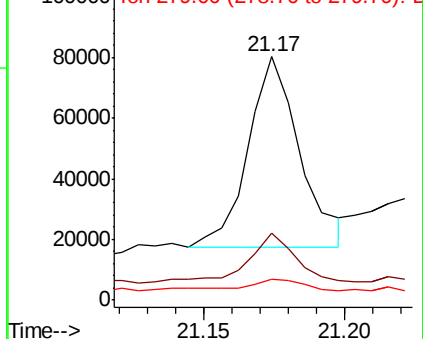
149 100

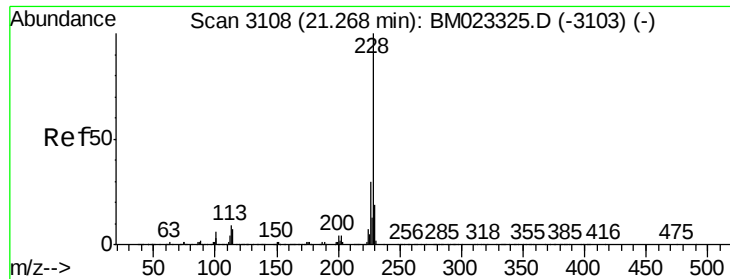
167 27.4 22.1 33.1

279 8.5 4.3 6.5#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





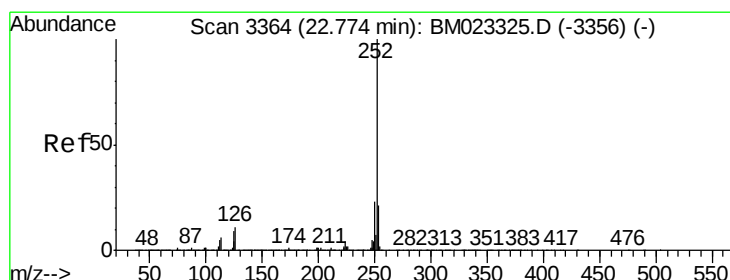
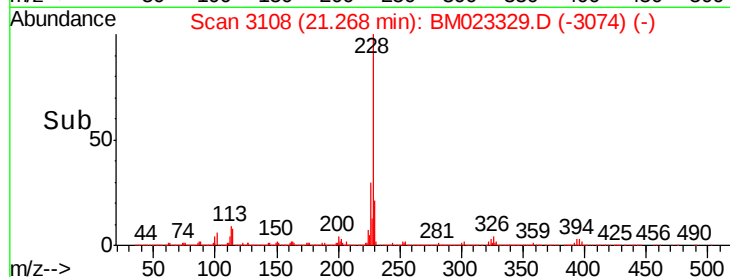
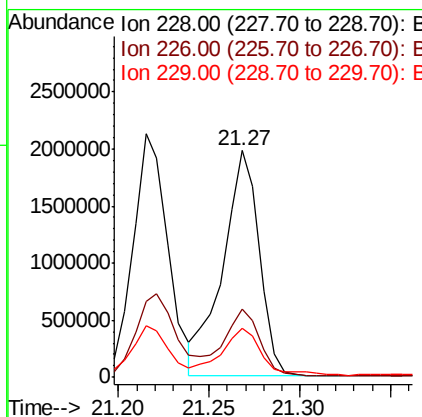
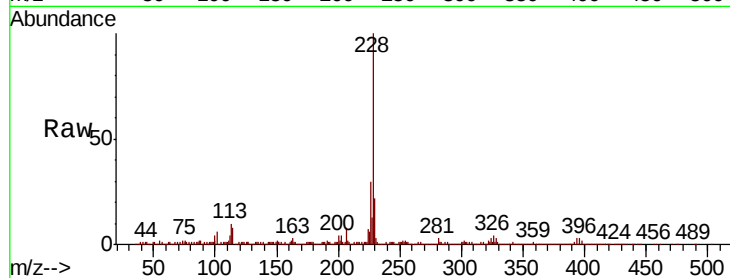
#85
Chrysene
Concen: 20.139 ng/ul
RT: 21.27 min Scan# 3108
Delta R.T. 0.00 min
Lab File: BM023329.D
Acq: 22 Oct 2019 21:20

Instrument :
BNA_M
ClientSampleId :
BFB84

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.4	35.0
229	21.8	15.5	23.3

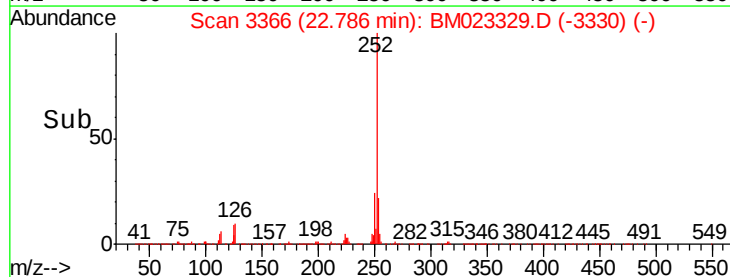
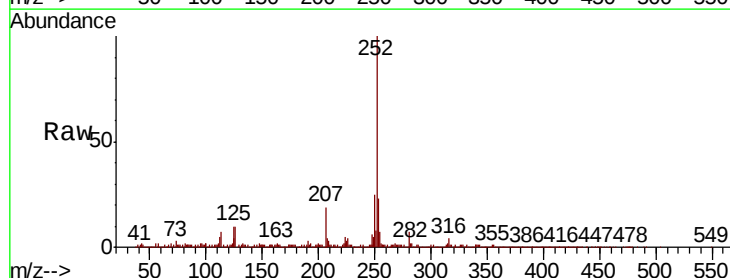
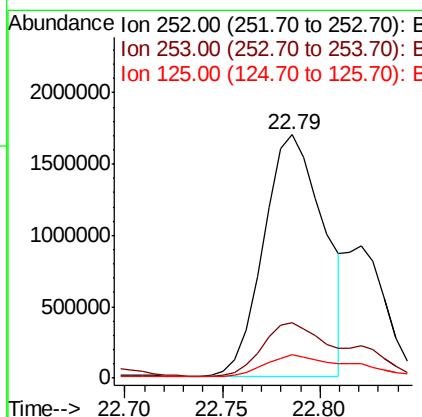
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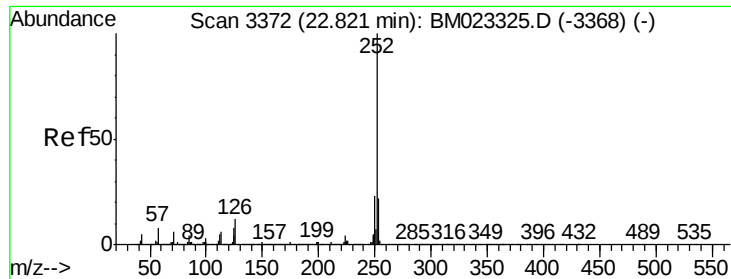
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#88
Benzo(b)fluoranthene
Concen: 22.108 ng/ul
RT: 22.79 min Scan# 3366
Delta R.T. 0.01 min
Lab File: BM023329.D
Acq: 22 Oct 2019 21:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.3	25.9
125	9.5	7.0	10.4





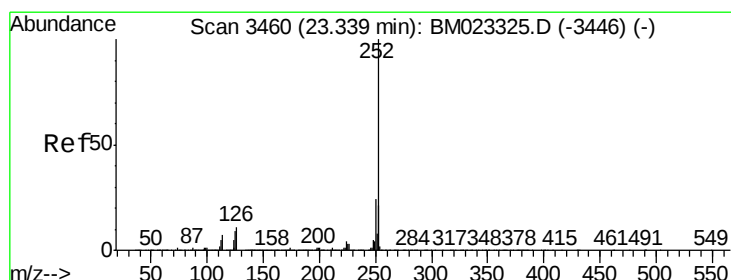
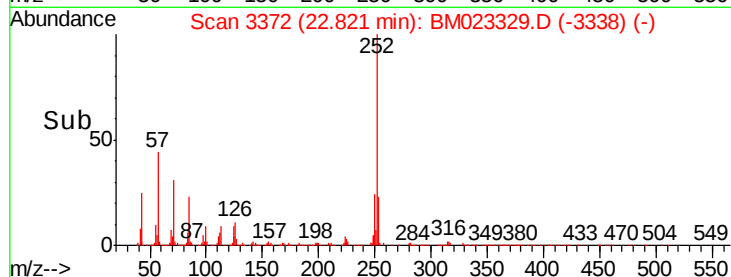
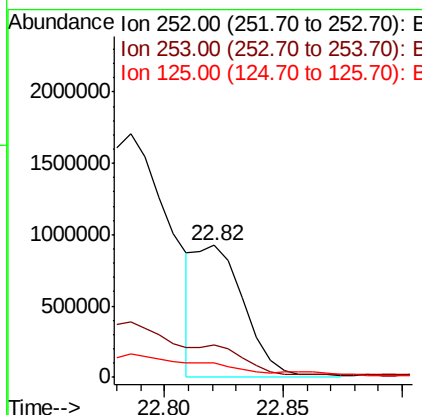
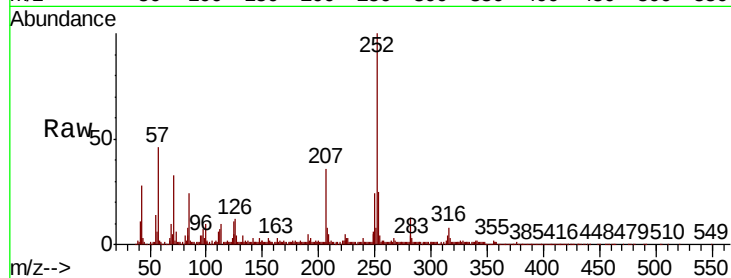
#89
Benzo(k)fluoranthene
Concen: 8.188 ng/ul m
RT: 22.82 min Scan# 3372
Delta R.T. 0.00 min
Lab File: BM023329.D
Acq: 22 Oct 2019 21:20

Instrument :
BNA_M
ClientSampleId :
BFB84

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.5	26.3
125	10.6	6.6	9.8

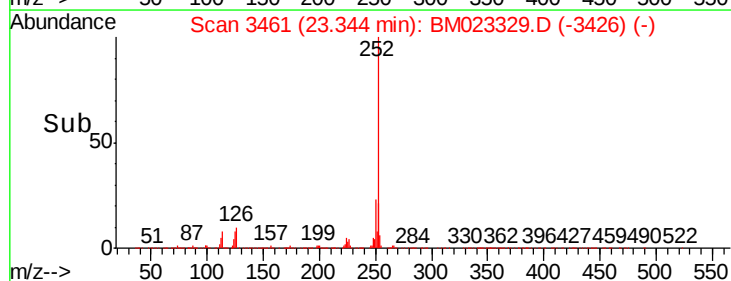
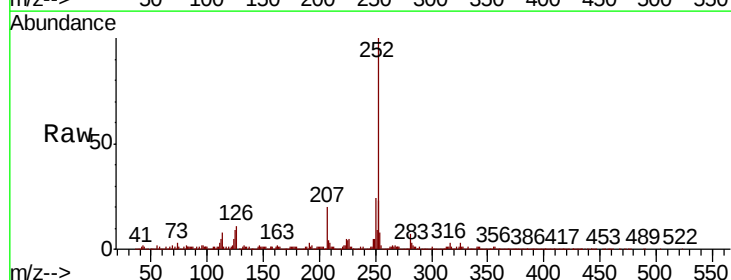
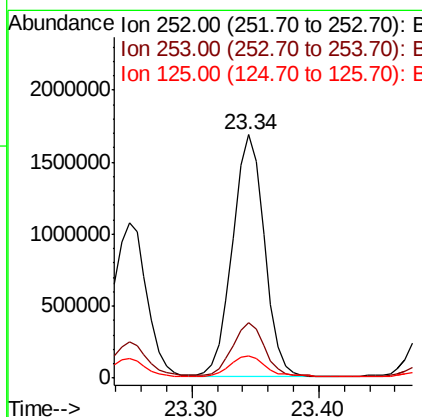
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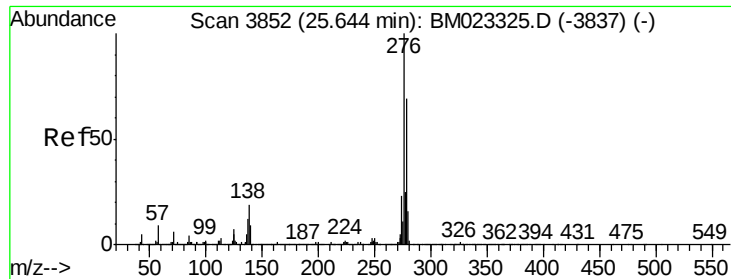
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#91
Benzo(a)pyrene
Concen: 18.472 ng/ul
RT: 23.34 min Scan# 3461
Delta R.T. 0.01 min
Lab File: BM023329.D
Acq: 22 Oct 2019 21:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	8.9	7.1	10.7





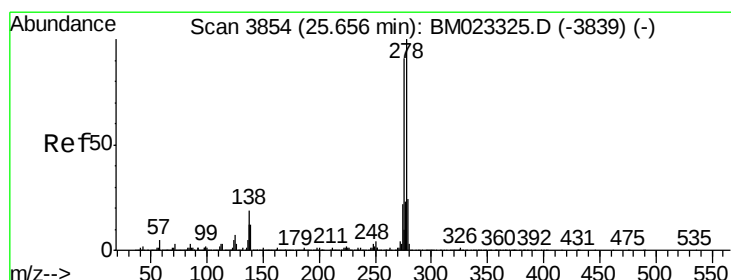
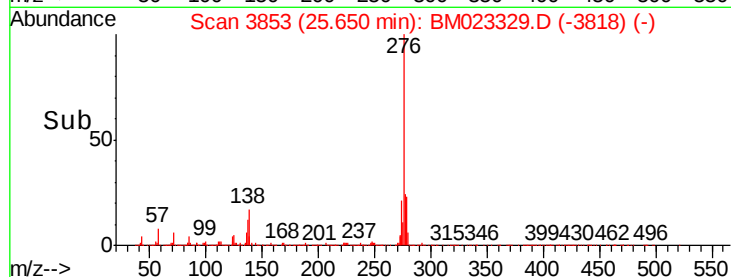
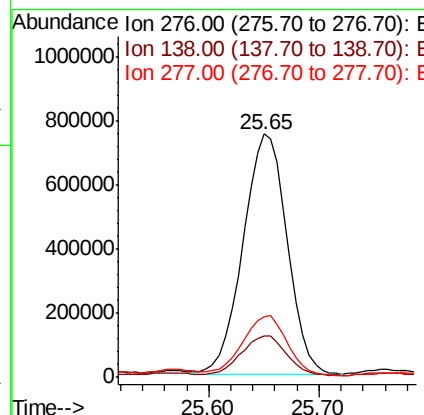
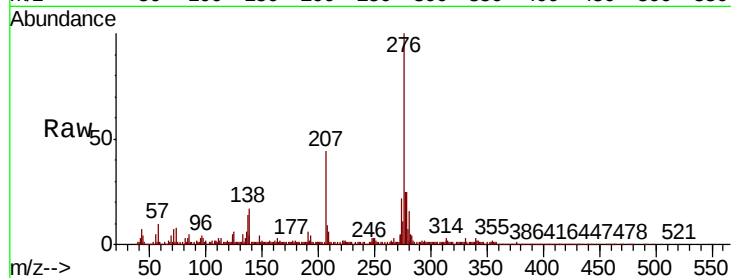
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 11.127 ng/ul
 RT: 25.65 min Scan# 3853
 Delta R.T. 0.01 min
 Lab File: BM023329.D
 Acq: 22 Oct 2019 21:20

Instrument :
 BNA_M
 ClientSampleId :
 BFB84

Tot Ion	Ratio	Lower	Upper
276	100		
138	17.0	15.8	23.6
277	24.7	19.8	29.8

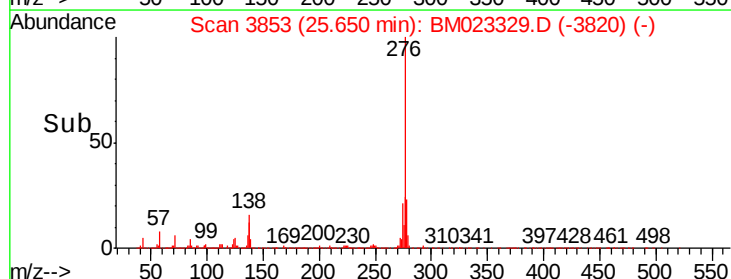
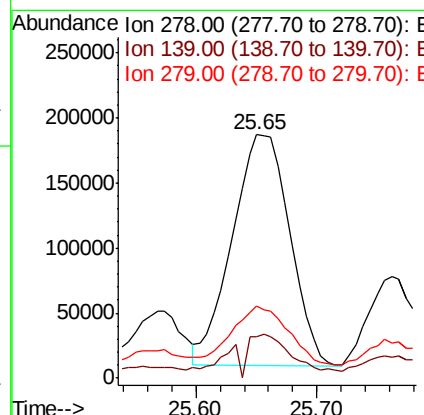
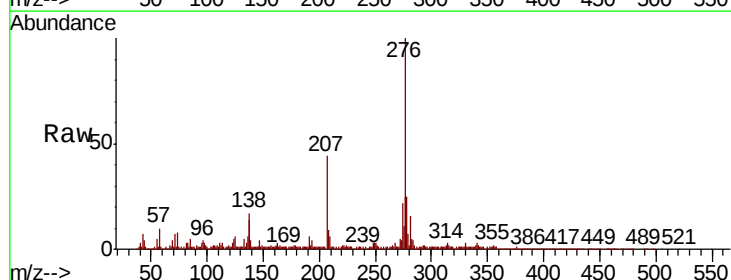
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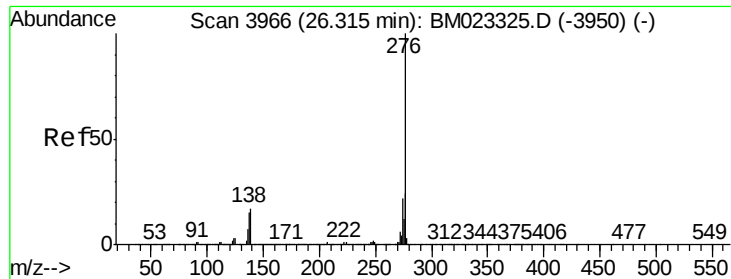
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#93
 Dibenzo(a,h)anthracene
 Concen: 3.744 ng/ul
 RT: 25.65 min Scan# 3853
 Delta R.T. -0.01 min
 Lab File: BM023329.D
 Acq: 22 Oct 2019 21:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.2	10.5	15.7#
279	29.7	19.7	29.5#





#94

Benzo(a,h,i)perylene

Concen: 13.031 ng/ul

RT: 26.33 min Scan# 3968

Delta R.T. 0.01 min

Lab File: BM023329.D

Acq: 22 Oct 2019 21:20

Instrument :

BNA_M

ClientSampleId :

BFB84

Tot Ion: 276 Resp: 2015431

Ion Ratio Lower Upper

276 100

138 16.9 13.9 20.9

277 23.6 18.7 28.1

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